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wcarr@hollandhart.com
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July 5, 2007

HAND-DELIVERED

Case 13961

Mark E. Fesmire, P. E.
Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
1220 Saint Francis Drive
Santa Fe, New Mexico 87505

Re: Application of Chevron USA Inc. for amendment of Division Order No. R-4442, as amended, to authorize a tertiary recovery project by the injection of carbon dioxide in its Vacuum Grayburg-San Andres Unit Area, approval of amendment of the Cooperative Water Injection Agreement between the Central Vacuum Unit and the Vacuum Grayburg-San Andres Unit, and qualification of the project for the Recovered Oil Tax Rate Pursuant to the Enhanced Oil Recovery Act, Lea County, New Mexico.

Dear Mr. Fesmire:

Enclosed is Chevron U.S.A. Inc.'s Application for Authorization to Inject (Division Form C-108) in the Vacuum Grayburg-San Andres Unit Area. Attached to our application, and incorporated herein, is the application filed by Texaco Exploration and Production Inc. on January 22, 2001 which sought the same approvals that Chevron is seeking with this application. The January 22, 2001 Form C-108 contains data that fully responds to all matters identified on Form C-108.

Chevron's application states that the information required by Sections VI, VIII, X, and XI of Form C-108 was previously filed with the original application. Mr. Scott M. Ingarm, Senior Staff Geologist and Project Manager for Chevron has reviewed the prior Texaco Form C-108. Mr. Ingram will appear and testify at the Examiner hearing that the information contained in the January 2001 Form C-108 application remains current and correct.

On June 26, 2007, Chevron filed its application in this case and requested that this matter be set for hearing before a Division Examiner on July 26, 2007 and provided a legal advertisement for this case and notice of this application by publication. This Form C-108 application is filed to comply with the provisions of Rule 701.

Very truly yours,

William F. Carr

Enclosures

cc: Paul R. Owen, Esq. (w/enclosures)
Counsel, MidContinent Business Unit

Holland & Hart LLP

Phone [505] 988-4421 Fax [505] 983-6043 www.hollandhart.com

110 North Guadalupe Suite 1 Santa Fe, NM 87501 Mailing Address P.O. Box 2208 Santa Fe, NM 87504-2208

Aspen Billings Boise Boulder Cheyenne Colorado Springs Denver Denver Tech Center Jackson Hole Salt Lake City Santa Fe Washington, D.C. ☐

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: X Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? Yes X No
- II. OPERATOR: Chevron U.S.A., Inc.
ADDRESS: 15 Smith Road, Midland, Tx. 79705
CONTACT PARTY: See attached listing PHONE: see attached
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes X No
If yes, give the Division order number authorizing the project:
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Scott M. Ingram TITLE: Project Manager
SIGNATURE: Scott M. Ingram DATE: 7/3/2007
E-MAIL ADDRESS: smin@chevron.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: original application, submitted January 22, 2001

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

**VGSAU C-108 Application
Operator & Contact Information**

Operator: Chevron, USA
15 Smith Road
Midland, Texas 79705

Contacts:

<u>Name</u>	<u>Function</u>	<u>Phone</u>
Paul Brown	Production Engineer	432-687-7351
Rex Marshall	Reservoir Engineer	432-687-7731
Kojo Lotsu	Reservoir Engineer/Flood Manager	432-687-7409
Scott Ingram	Project Manager/Geologist	432-687-7212
Matt Wasson	Geologist	432-687-7168

APPLICATION FOR AUTHORIZATION TO INJECT

PURPOSE: X Tertiary Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? Yes X No

II. OPERATOR: Texaco Exploration and Production Inc.

ADDRESS: PO BOX 3109; Midland, Texas 79702

CONTACT PARTY: Darrell J. Carriger Phone: (915) 688-2952

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____ Yes X No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: DARRELL CARRIGER TITLE: PRODUCTION ENGINEER

SIGNATURE: Darrell J. Carriger DATE: 1/22/2001

If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal:

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

VGSAU C-108 Application

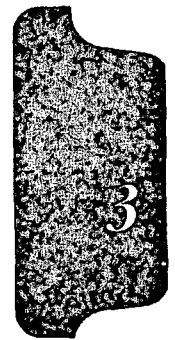
Operator Information

Operator:

**Texaco Exploration and Production Inc.
PO Box 3109
Midland, TX 79702**

Contact Party:

Darrell Carriger	(915) 688-2952
Steve Guillot	(915) 688-4577
Britton McQuien	(915) 688-4445
Bob Boomer	(915) 688-2964



VGSAU C-108 Application

Injection Well Information Schematics and Data Sheets

Injection Well Data Sheet

General Information:

Operator Texaco Inc.
Well Name Vacuum Grayburg San Andres Unit
Number 4
Well Location 220 FSL, 100 FWL
Footage Location M
Unit Letter 1
Section 18S
Township 34E
Range

Downhole Equip.

Tubing Size 2-3/8
Lining Material Fiberglass - Rice Duoline
Packer Type Guiberson G-6
Packer Depth 4474

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'

Glorieta at ~5800'

Surface Casing

Hole Size 11
Casing Size 8.625
Cemented with 300
Top of Cement 0
Method Det. Circ'd
Depth Set 353

Intermediate Casing

Hole Size NA
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

Production String

Cement Job 200 Cement (sx) 300 Yield 1.32

Production Casing

Hole Size 7.875
Casing Size 5.5
Cemented with 500
Top of Cement 2620
Method Det. Bond Log
Depth Set 4800

Injection Interval

Completion Type Cased

Annular Vol Cf/Lf 0.173249719

Yes X No

Oil Producer

Grayburg San Andres

Vacuum

TEXACO INC
VACUUM GRBG-SADR UN NO. 4
API# 30025243320000

0 - 353' Cement 300 sx
0 - 353' 8.625" OD Surface Casing

0 - 353' 11" OD Openhole

1111 - 4800' Cement 500 sx, toc?

220 FSL & 100 FHL
SEC 1, TWN 18 S, RANGE 34 E
ELEVATION: 3999 GR
COMPLETION DATE: 02-22-73

COMPLETION INTERVAL: 4525 - 4590 (SADR)
TRT: 6000 GALS ACID (4525 - 4590)
TRT: FRAC 20000 GALS 7000 LBS (4525 - 4590)
IP: 29 BOPD, 57 MCFD, 0 BWPD (PUMPING)

6/16/82 convert to inj

Update 3/92

0 - 4800' 5.5" OD Production Casing

4525 - 4590' Peris
4524 - 4777'

353 - 4800' 7.375" OD Openhole

KB ELEV: 4909'
PSTD: 4788'
TD: 4800'

Injection Well Data Sheet

General Information:

Operator
Well Name
Number
Well Location
Footage Location
Unit Letter
Section
Township
Range

Texaco Inc.
Vacuum Grayburg San Andres Unit
5
210 FSL, 1420 FWL
N
1
18S
34E

Downhole Equip.

Tubing Size
Lining Material
Packer Type
Packer Depth

2-3/8
Fiberglass - Rice Duoline
Guiberson G-6
4337

Surface Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

11
8 625
300
0
Circ'd
357

Intermediate Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

NA

Production String Cement Job

Cement (sx)
Yield

200
1.32

Production Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

7.875
4.5
650
1751
Calc'd
4800

Injection Interval Completion Type

4387-4742
Cased

Annular Vol Cf/Lf 0.227789719

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

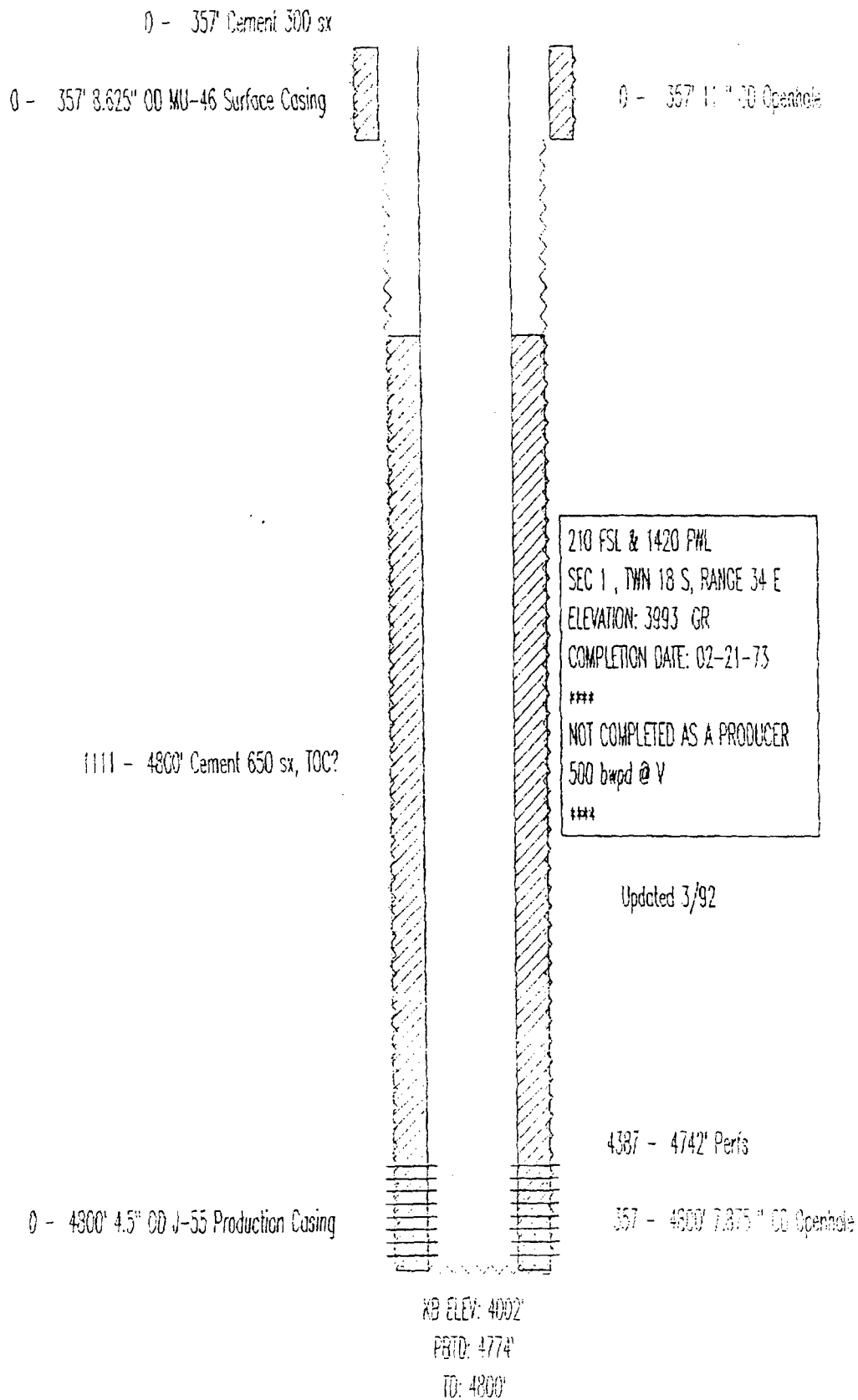
Yes X No
Water Injector
Grayburg San Andres
Vacuum

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'

Glorieta at ~5800'

TEXACO INC
VACUUM GRBG-SADR UN NO. W15
API# 30025243330000



Injection Well Data Sheet

General Information:

Operator
Well Name
Number
Well Location
Footage Location
Unit Letter
Section
Township
Range

Texaco Inc.
Vacuum Grayburg San Andres Unit
14
1500 FSL, 1500 FWL
K
2
18S
34E

Surface Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

11
8.625
300
0
Circ'd
356

Intermediate Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

NA
NA
NA
NA
NA
NA

Downhole Equip.

Tubing Size
Lining Material
Packer Type
Packer Depth

2-3/8
Fiberglass - Rice Duoline
Gulberson G-6
4462

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

Yes X No
Oil Producer
Grayburg San Andres
Vacuum

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'
Glorieta at ~5800'

Production String
Cement Job
Cement (sx)
Yield

300
200
1.32
2.51

Production Casing
Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

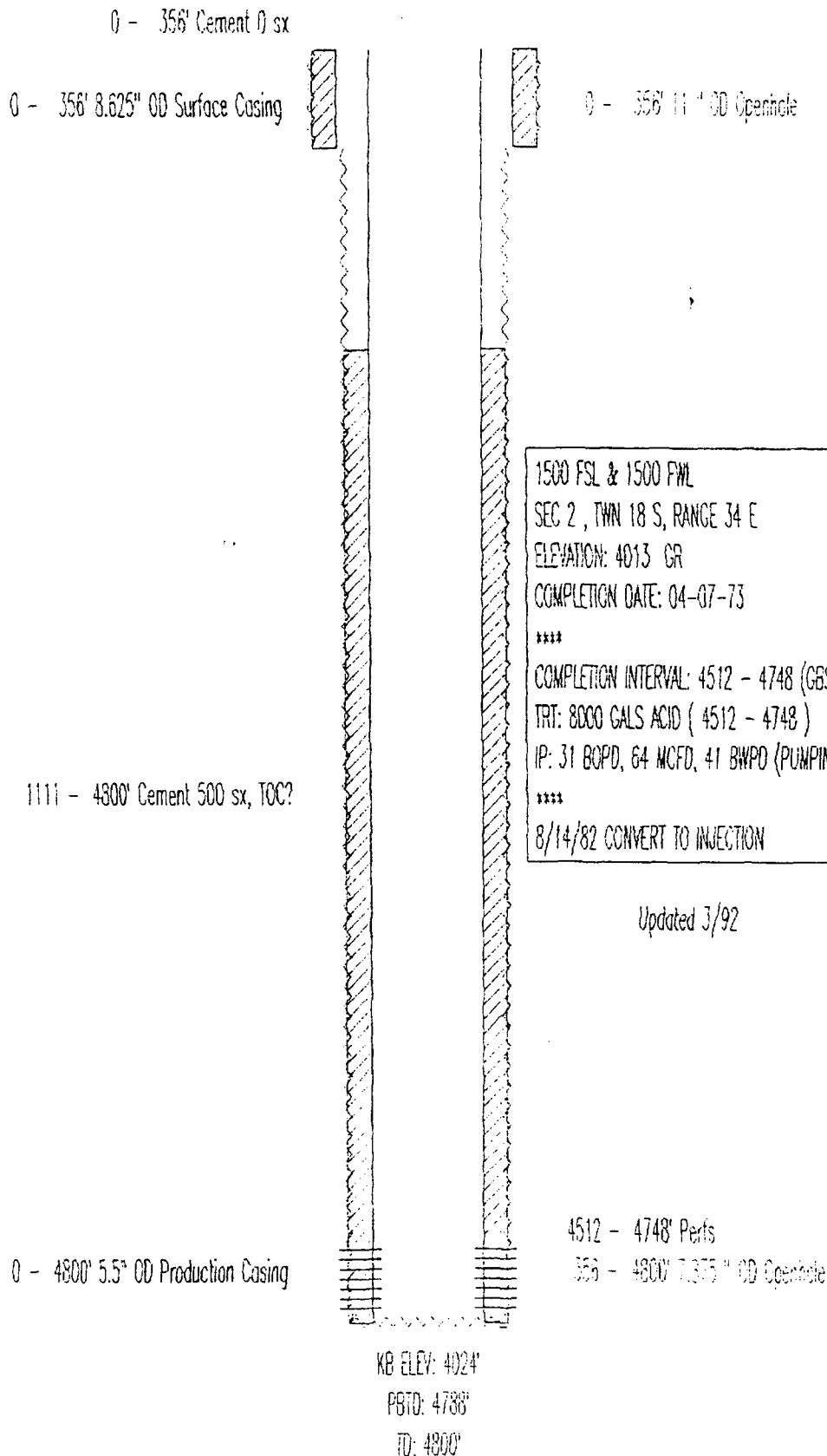
7.875
5.5
500
1878
Calc'd
4800

Injection Interval
Completion Type

4512-4748
Cased

Annular Vol Cfl/Lf 0.173249719

TEXACO INC
VACUUM GRBG-SADR UN NO. 14
API# 30025243590000



Injection Well Data Sheet

General Information:

Operator
Well Name
Number
Well Location
Footage Location
Unit Letter
Section
Township
Range

Texaco Inc.
Vacuum Grayburg San Andres Unit
15
1400 FSL, 2450 FEL
J
2
18S
34E

Surface Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

11
8.625
350
0
Circ'd
356

Intermediate Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

NA
7.875
4.5
650
1751
Calc'd
4800

Downhole Equip.

Tubing Size
Lining Material
Packer Type
Packer Depth

2-3/8
Fiberglass - Rice Duoline
Guiberson G-6
4482

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?

2. Name of the Injection Formation:

3. Name of Field or Pool (if applicable):

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'

Glorieta at ~5800'

Production String Cement Job

Cement (sx)
Yield

200
1.32

Production Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

7.875
4.5
650
1751
Calc'd
4800

Injection Interval

Completion Type

4531-4751
Cased

Annular Vol Cf/Lf 0.227789719

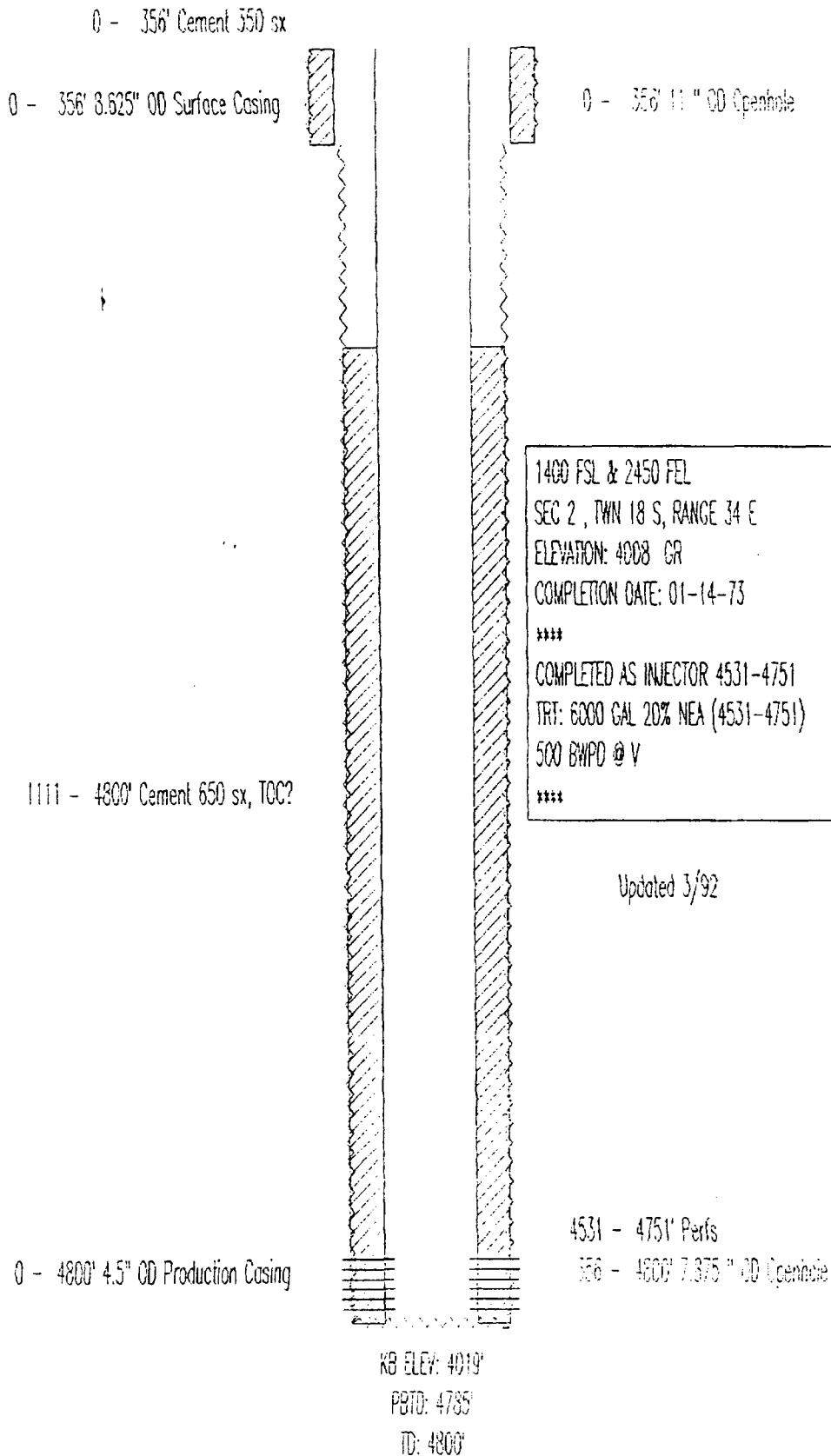
Yes X No

Water Injector

Grayburg San Andres

Vacuum

TEXACO INC
VACUUM GRBG-SADR UN NO. W115 -
API# 30025243280000



Injection Well Data Sheet

General Information:

Operator
Well Name
Number
Well Location
Footage Location
Unit Letter
Section
Township
Range

Texaco Inc.
Vacuum Grayburg San Andres Unit
16
1400 FSL, 1300 FEL
1
2
18S
34E

Downhole Equip.

Tubing Size
Lining Material
Packer Type
Packer Depth

2-3/8
Fiberglass - Rice Duoline
Gulberson G-6
4378

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'

Glorieta at ~5800'

Surface Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

11
8.625
300
0
Circ'd
353

Intermediate Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

NA

Production String Cement Job

Cement (sx)
Yield

200 1.32

Production Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

7.875
5.5
500
1879
Calc'd 100% Excess
4800

Injection Interval

Completion Type

Cased

Annual Vol Cff/Lf 0.173249719

Yes X No

Oil Producer

Grayburg San Andres

Vacuum

TEXACO INC
VACUUM GYBG-SADR UN NO. 16
API# 30025243080000

0 - 353' Cement 300 sx
0 - 353' 8.625" OD Surface Casing
0 - 353' 11" OD Openhole

1111 - 4800' Cement 500 sx, TOC?

0 - 4800' 5.5" OD Production Casing

1400 FSL & 1300 FEL
SEC 2, T11N 18 S, RANGE 34 E
ELEVATION: 4005 GR
COMPLETION DATE: 01-22-73

COMPLETION INTERVAL: 4428 - 4742 (GESA)
TRT: 6000 GALS ACID (4428 - 4742)
IP: 81 BOPD, 181 MCFD, 19 BHPD (PUMPING)

9/12/82 CONVERT TO INJECTION 920 BHPD @ 850 PSI

Updated 3/92

4428 - 4742' Perfs

353 - 4800' 7.875" OD Openhole

KB ELEV: 4015'

PBTD: 4757'

TD: 4800'

Injection Well Data Sheet

General Information:

Operator
Well Name
Number
Well Location
Footage Location
Unit Letter
Section
Township
Range

Texaco Inc.
Vacuum Grayburg San Andres Unit
17
1400 FSL, 10 FEL
1
2
18S
34E

Surface Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

11
8.625
350
0
Circ'd
364

Intermediate Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

NA
NA
NA
NA
NA
NA

Downhole Equip.

Tubing Size
Lining Material
Packer Type
Packer Depth

2-3/8
Fiberglass - Rice Duoline
Guiberson G-6
4336

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?

2. Name of the Injection Formation:

3. Name of Field or Pool (if applicable):

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Yates at ~2700'

Glorieta at ~5800'

Production String Cement Job

Cement (sx)
Yield

200
1.32

Production Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

7.875
4.5
650
1750
Calc'd
4800

Injection Interval

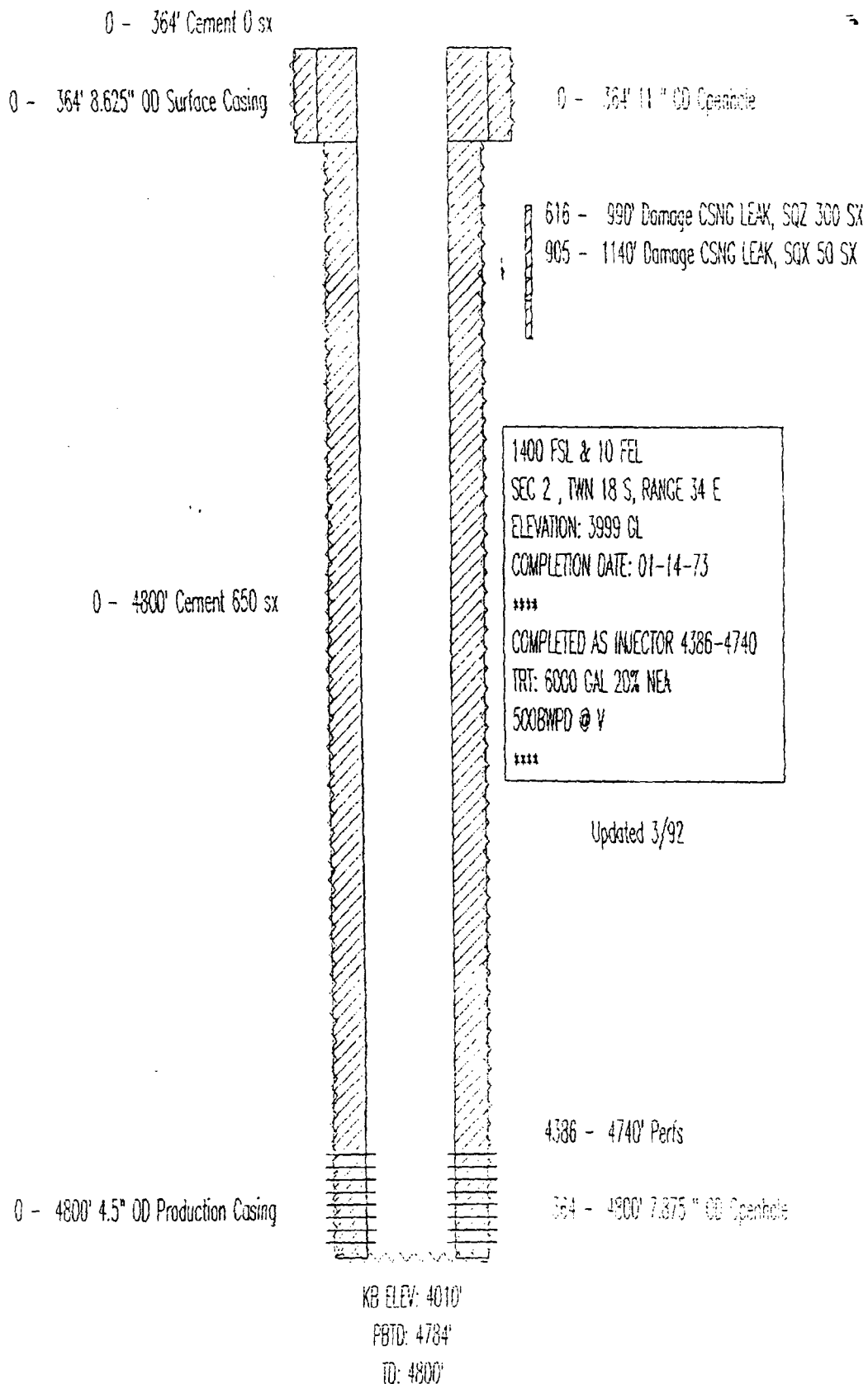
Completion Type

4386-4740
Cased

Annular Vol Cfl/Lf
0.227789719

Yes
X
No
Water Injection
Grayburg San Andres
Vacuum

TEXACO INC
VACUUM GRBG-SADR UN NO. W117
API# 30025243160000



Injection Well Data Sheet

General Information:

Operator Texaco Inc.
Well Name Vacuum Grayburg San Andres Unit
Number 18
Well Location 1330 FSL, 1330 FWL
Footage Location K
Unit Letter 1
Section 18S
Township 34E
Range

Downhole Equip.

Tubing Size 2-3/8
Lining Material Fiberglass - Rice Duoline
Packer Type Gulberson G-6
Packer Depth 4261

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.
No

Surface Casing

Hole Size 11
Casing Size 8.625
Cemented with 250
Top of Cement 0
Method Det. Circ'd
Depth Set 354

Intermediate Casing

Hole Size NA
Casing Size NA
Cemented with NA
Top of Cement NA
Method Det. NA
Depth Set NA

Production String

Cement Job 200
Yield 1.32

Production Casing

Hole Size 7.875
Casing Size 5.5
Cemented with 500
Top of Cement 1879
Method Det. Calc'd
Depth Set 4800

Injection Interval

Completion Type Cased

Annular Vol C/Lf 0.173249719

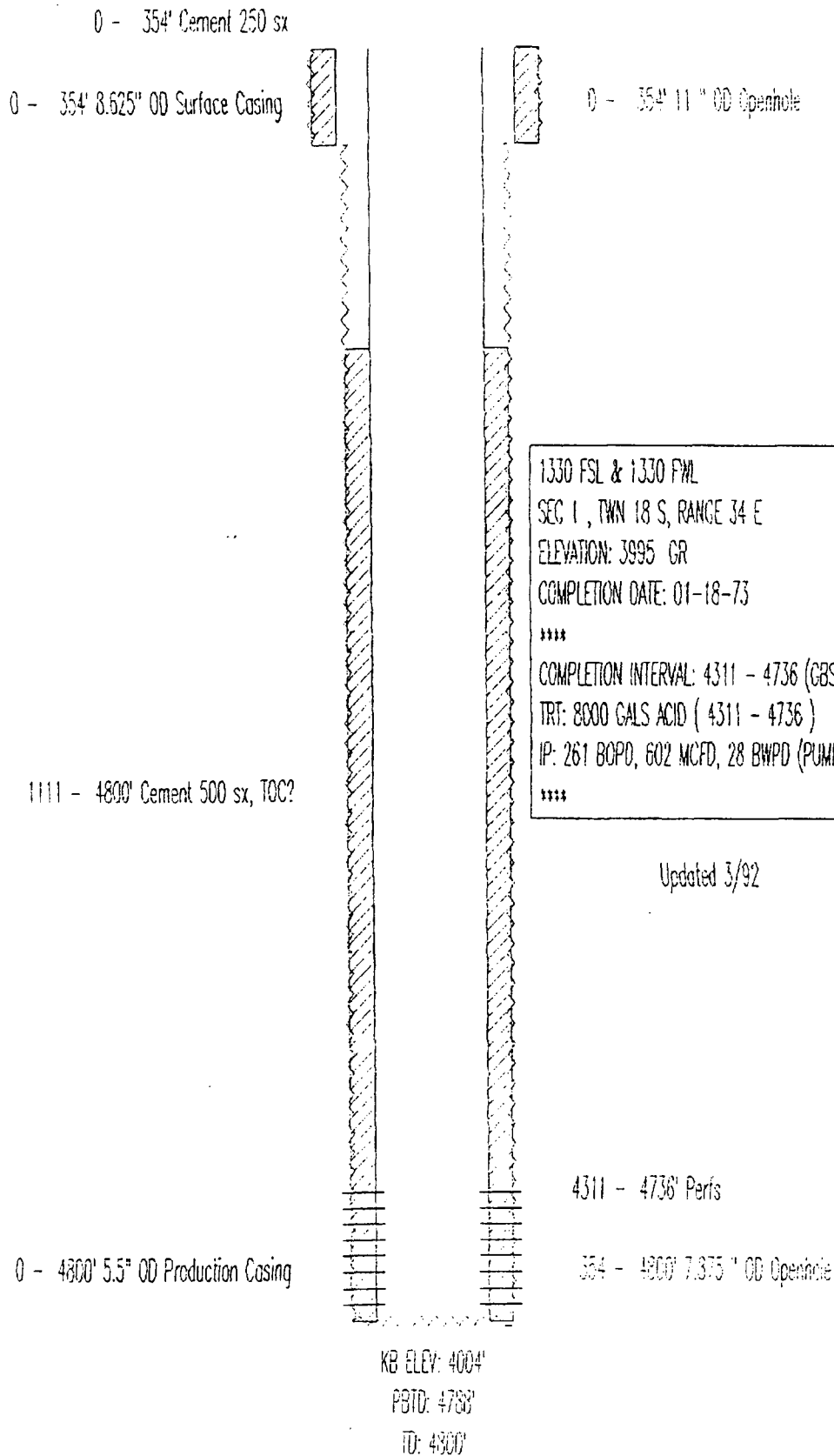
Yes X No

Oil Producer
Grayburg San Andres
Vacuum

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'
Glorieta at ~5800'

TEXACO INC
VACUUM GRBG-SADR UN NO. 18
API# 30025243170000



Injection Well Data Sheet

General Information:

Operator
Well Name
Number
Well Location
Footage Location
Unit Letter
Section
Township
Range

Texaco Inc.
Vacuum Grayburg San Andres Unit
19
1310 FSL, 2540 FWL
N
1
18S
34E

Downhole Equip.

Tubing Size
Lining Material
Packer Type
Packer Depth

2-7/8"
Fiberglass - Rice Duoline
Guiberson G-6
4327'

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?
 2. Name of the Injection Formation:
 3. Name of Field or Pool (if applicable):
 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.
- No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'

Glorieta at ~5800'

Surface Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

11
6.625
300
0
Circ'd
354

Intermediate Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

NA

Production String Cement Job

Cement (sx)
Yield

200
1.32

450
2.51

Production Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

7.875
4.5
650
1685
Calc'd
4735

Injection Interval

Completion Type

4377-4683
Cased

Annular Vol Cfl/Lf
0.227789719

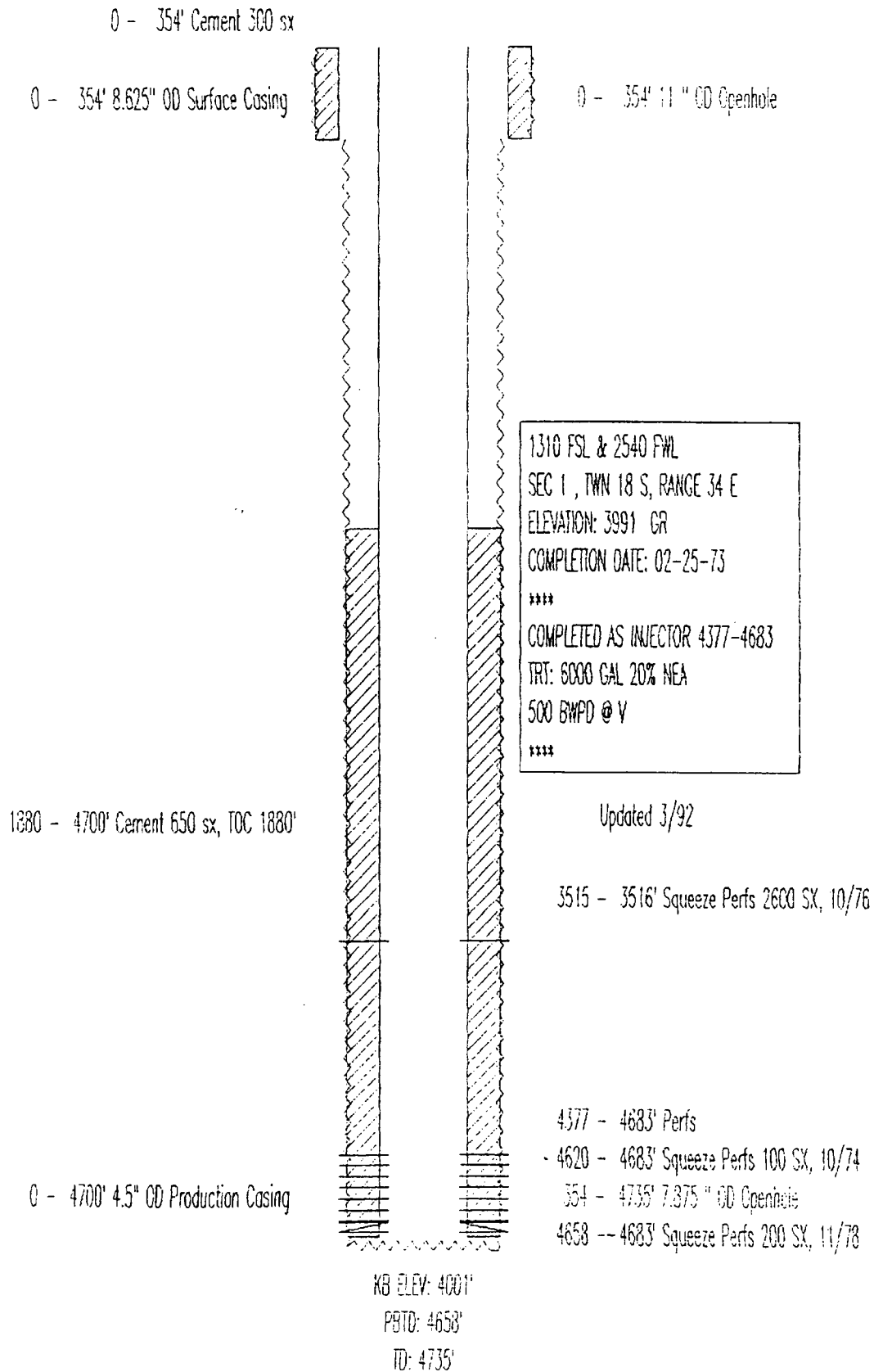
Yes
X
No

Water Injection

Grayburg San Andres

Vacuum

TEXACO INC
VACUUM GRBG-SADR UN NO. W119
API# 30025243310000



Injection Well Data Sheet

General Information:

Operator Texaco Inc.
 Well Name Vacuum Grayburg San Andres Unit
 Number 20
 Well Location
 Footage Location 1330 FSL, 1330 FEL
 Unit Letter J
 Section 1
 Township 18S
 Range 34E

Surface Casing

Hole Size 11
 Casing Size 8 625
 Cemented with 300
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 353

Intermediate Casing

Hole Size NA
 Casing Size
 Cemented with
 Top of Cement
 Method Det.
 Depth Set

Downhole Equip.

Tubing Size 2-3/8
 Lining Material Fiberglass - Rice Duoline
 Packer Type Guberson G-6
 Packer Depth 4353

Production String

Cement Job 200
 Cement (sx) 300
 Yield 1.32
 2.51

Production Casing

Hole Size 7.875
 Casing Size 5.5
 Cemented with 500
 Top of Cement 1879
 Method Det. Calc'd
 Depth Set 4800
 100% Excess

Injection Interval

Completion Type 4403-4699
 Cased

Annular Vol Cf/Lf 0.173249719

Additional Data:

1. Is this a new well drilled for injection?
 If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

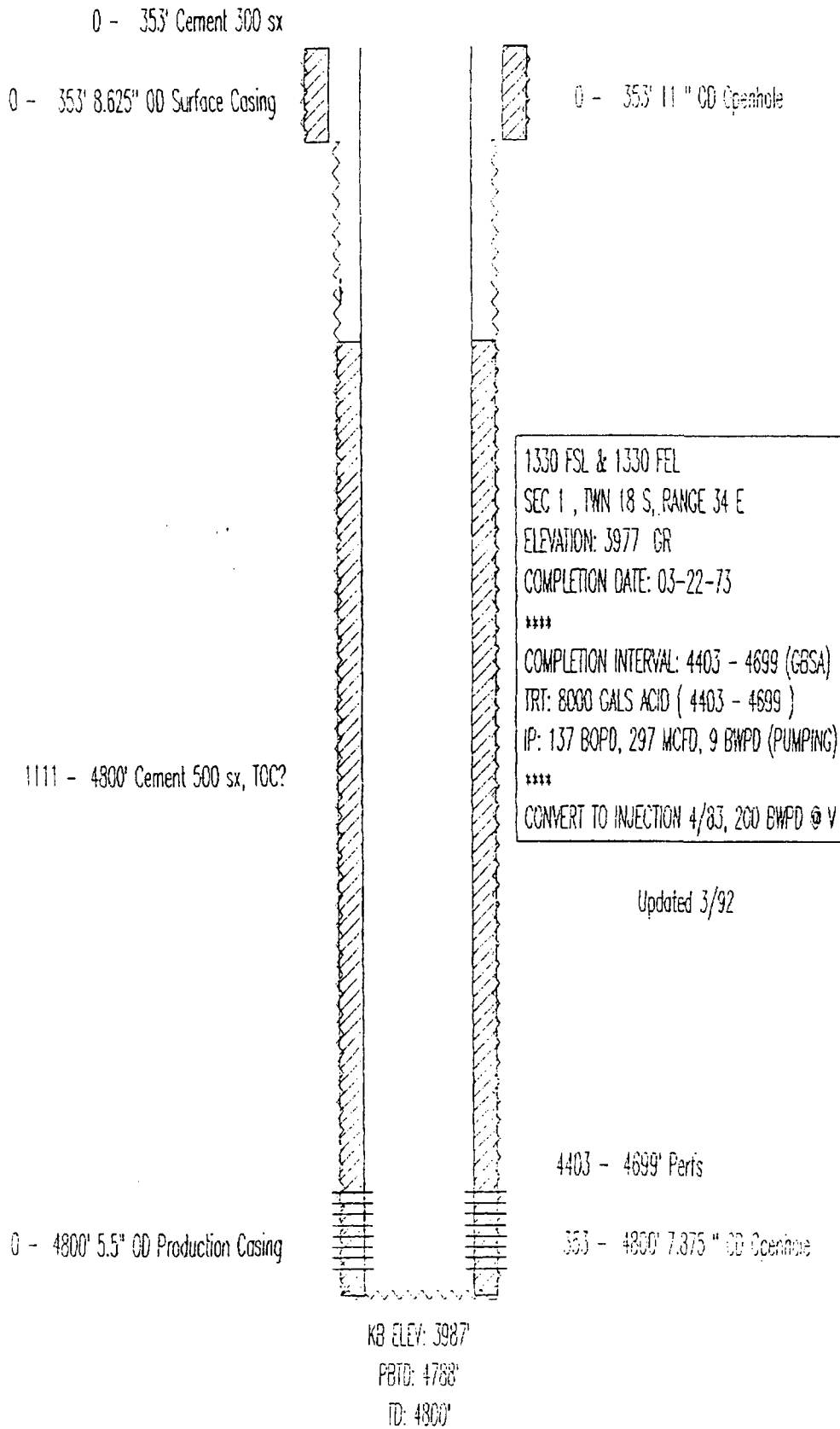
Yes X No
 Oil Producer
 Grayburg San Andres
 Vacuum

No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'
 Glorieta at ~5800'

TEXACO INC
VACUUM GRBG-SADR UN NO. 20
API# 30025243600000



Injection Well Data Sheet

General Information:

Operator
Well Name
Number
Well Location
Footage Location
Unit Letter
Section
Township
Range

Texaco Inc.
Vacuum Grayburg San Andres Unit
31
2630 FSL, 1330 FEL
J
2
18S
34E

Downhole Equip.

Tubing Size
Lining Material
Packer Type
Packer Depth

2-3/8
Fiberglass - Rice Duoline
Guiberson G-6
4326

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?

2. Name of the Injection Formation:

3. Name of Field or Pool (if applicable):

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'

Glorieta at ~5800'

Surface Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

11
8.625
210
0
Circ'd
360

Intermediate Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

NA

Production String

Cement Job
Cement (sx)
Yield

200
1.32

Production Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

7.875
4.5
650
1750
Calc'd
4800

100% Excess

Injection Interval

Completion Type

Cased/OH

Annular Vol Cf/lf 0.227789719

Yes X No

Oil Producer

Grayburg San Andres

Vacuum

TEXACO INC
VACUUM CRBG-SACR UN NO. W131
API# 30025243140000

0 - 360' Cement 210 sx
0 - 360' 8.625" OD Surface Casing
0 - 360' 11" OD Openhole

1111 - 4710' Cement 650 sx, TOC?

2630 FSL & 1330 FEL
SEC 2, T14N 18 S, RANGE 34 E
ELEVATION: 4005 GL
COMPLETION DATE: 01-14-73

COMPLETED AS INJECTOR 4376 - 4705
TRT: 6000 GAL 20% NEA
INITIAL INJ 500 BWPD @ V

Updated 3/92

0 - 4710' 4.5" OD Production Casing

4376 - 4705' Perfs INITIAL
4385 - 4615' Perfs ADDED 1/91
360 - 4750' 7.375" OD Openhole
4750 - 4800' 3.5" OD Openhole DRILLED OUT 1/91

KB ELEV: 4018'
TD: 4800'

Injection Well Data Sheet

General Information:

Operator Texaco Inc.
 Well Name Vacuum Grayburg San Andres Unit
 Number 32
 Well Location 2630 FSL, 30 FWL
 Footage Location L
 Unit Letter 1
 Section 18S
 Township 34E
 Range

Downhole Equip.

Tubing Size 2-3/8
 Lining Material Fiberglass - Rice Duoline
 Packer Type Guiberson G-6
 Packer Depth 4283

Additional Data:

1. Is this a new well drilled for injection?
 If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'

Glorieta at ~5800'

Surface Casing

Hole Size 11
 Casing Size 8.625
 Cemented with 300
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 353

Intermediate Casing

Hole Size NA
 Casing Size
 Cemented with
 Top of Cement
 Method Det.
 Depth Set

Production String

Cement Job 200 Cement (sx) 450 Yield 1.32

Production Casing

Hole Size 7.875
 Casing Size 4.5
 Cemented with 650
 Top of Cement 1750
 Method Det. Calc'd 100% Excess
 Depth Set 4800

Injection Interval

Completion Type Cased

Annular Vol Cf/Lf 0.227789719

Yes X No

Oil Producer

Grayburg San Andres

Vacuum

TEXACO INC
VACUUM GRBG-SADR UN NO. 32
API# 30025243300000

0 - 353' Cement 300 sx
0 - 353' 8.625" OD Surface Casing

0 - 4800' Cement 500 sx

0 - 4800' 5.5" OD Production Casing

330 - 330' Squeeze Perfs 525 SX
0 - 353' 11" OD Openhole

1185 - 1185' Squeeze Perfs 350 SX

1675 - 1675' Squeeze Perfs 750 SX

2630 FSL & 30 FML
SEC 1, TWN 18 S, RANGE 34 E
ELEVATION: 3999 GR
COMPLETION DATE: 01-28-73

COMPLETION INTERVAL: 4333 - 4750 (SADR)
TRT: 8000 GALS ACID (4333 - 4750)
IP: 207 BOPD, 493 MCFD, 19 BWPD (PUMPING)

CONVERTED TO INJECTION 9/27/82, 400 BWPD @ 0 PSI

Updated 3/92

4333 - 4750' Perfs
4403 - 4781' Perfs 9/90, 25FF 46 HOLES
353 - 4800' 7.375" OD Openhole

KB ELEV: 4012'
PSTD: 4789'
TD: 4800'

Injection Well Data Sheet

General Information:

Operator Texaco Inc.
Well Name Vacuum Grayburg San Andres Unit
Number 33
Well Location 2630 FNL, 1310 FWL
Footage Location E
Unit Letter 1
Section 18S
Township 34E
Range

Downhole Equip.

Tubing Size 2-3/8
Lining Material Fiberglass - Rice Duoline
Packer Type Guiberson G-6
Packer Depth 4224

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?

2. Name of the Injection Formation:

3. Name of Field or Pool (if applicable):

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Yates at ~2700'

Glorieta at ~5800'

Surface Casing

Hole Size 11
Casing Size 8.625
Cemented with 300
Top of Cement 0
Method Det. Circ'd
Depth Set 361

Intermediate Casing

Hole Size NA
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

Production String Cement Job

Cement (sx) 200 Yield 1.32
450 2.51

Production Casing

Hole Size 7.875
Casing Size 4.5
Cemented with 650
Top of Cement 1750
Method Det. Calc'd 100% Excess
Depth Set 4800

Injection Interval

4237-4722
Completion Type Cased

Annular Vol Cf/Lf 0.227789719

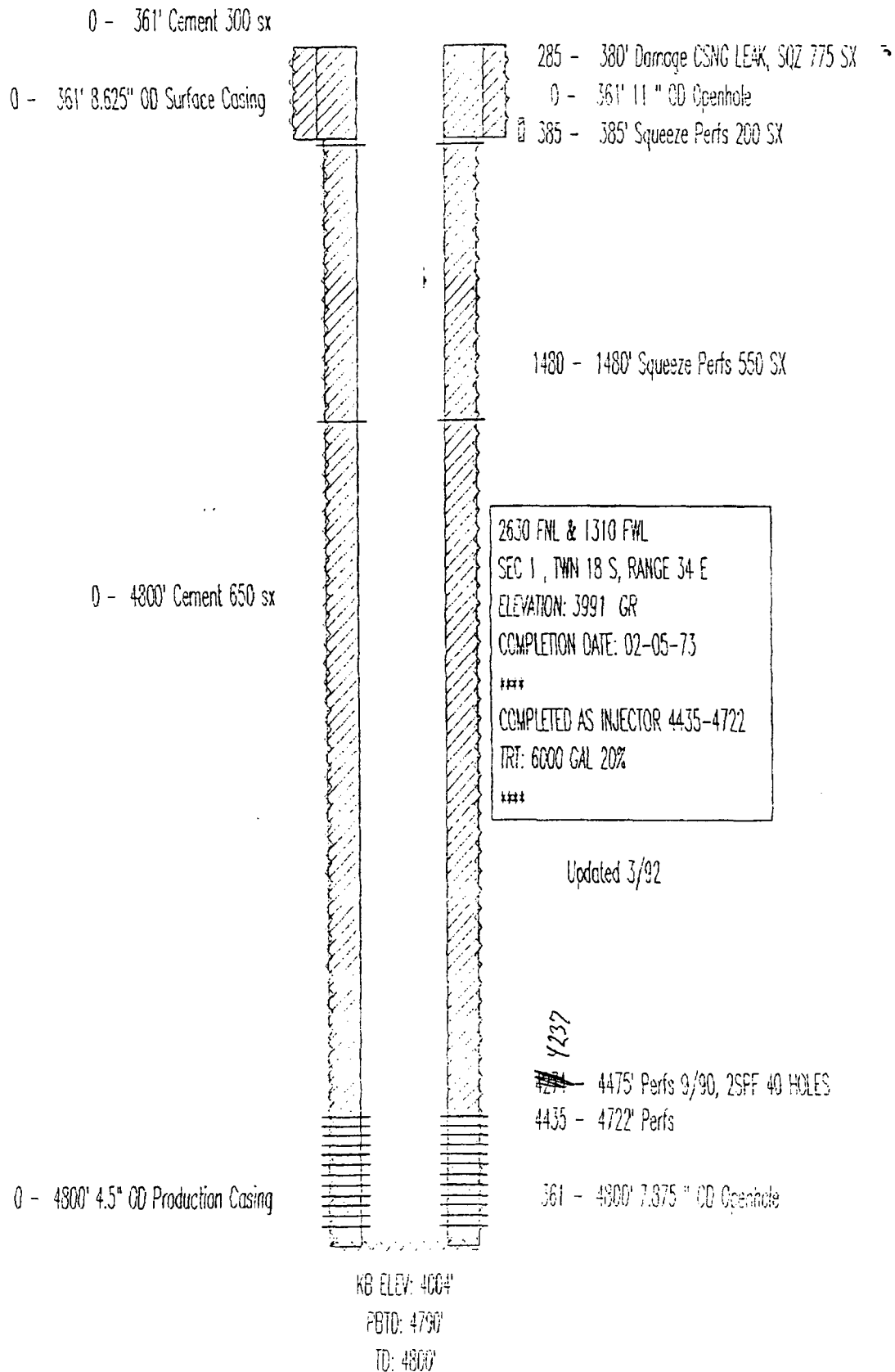
Yes X No

Water Injector

Grayburg San Andres

Vacuum

TEXACO INC
VACUUM GRBG-SADR UN NO. W133
API# 30025243230000



Injection Well Data Sheet

General Information:

Operator Texaco Inc.
Well Name Vacuum Grayburg San Andres Unit
Number 34
Well Location 2630 FSL, 2630 FEL
Footage Location J
Unit Letter 1
Section 18S
Township 34E
Range

Downhole Equip.

Tubing Size 2-3/8
Lining Material Fiberglass - Rice Duoline
Packer Type Guiberson G-6
Packer Depth 4192

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.
No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Yates at ~2700'
Glorieta at ~5800'

Surface Casing

Hole Size 11
Casing Size 8.625
Cemented with 210
Top of Cement 0
Method Det. Circ'd
Depth Set 352

Intermediate Casing

Hole Size NA
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

Production String

Cement Job 250 Cement (sx) 300 Yield 1.32

Production Casing

Hole Size 7.875
Casing Size 5.5
Cemented with 550
Top of Cement 1689
Method Det. Calc'd 100% Excess
Depth Set 4800

Injection Interval

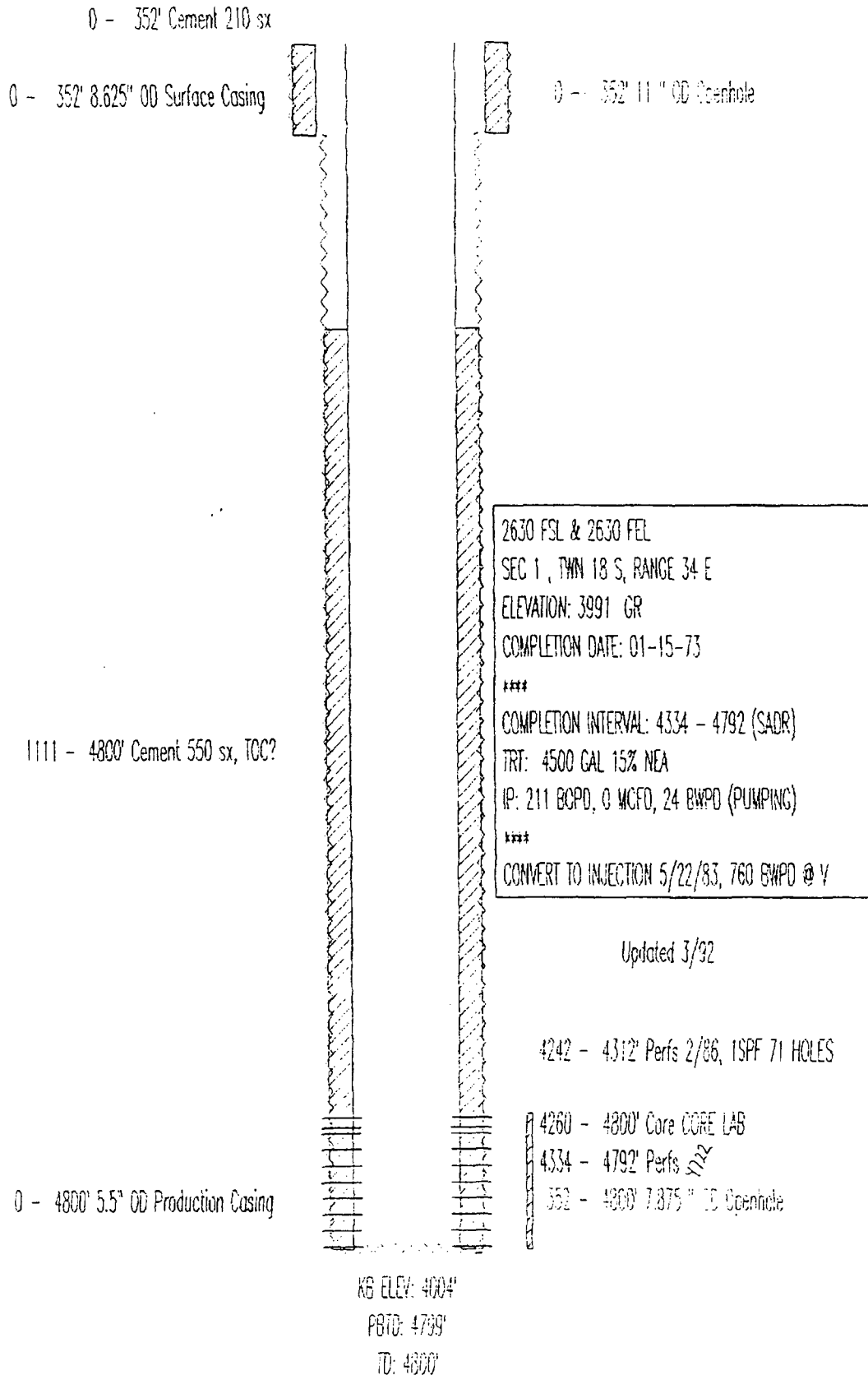
Completion Type 4242-4792
Cased

Annular Vol Cf/Lf 0.173249719

Yes X No

Oil Producer
Grayburg San Andres
Vacuum

TEXACO INC
VACUUM GRBG-SADR UN NO. 34
API# 30025243120000



Injection Well Data Sheet

General Information:

Operator Texaco Inc.
Well Name Vacuum Grayburg San Andres Unit
Number 35
Well Location
Footage Location 2630 FNL, 1330 FEL
Unit Letter G
Section 1
Township 18S
Range 34E

Downhole Equip.

Tubing Size 2-3/8
Lining Material Fiberglass - Rice Duoline
Packer Type Guiberson G-6
Packer Depth 4062

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'

Glorieta at ~5800'

Surface Casing

Hole Size 11
Casing Size 8.625
Cemented with 300
Top of Cement 0
Method Det. Circ'd
Depth Set 357

Intermediate Casing

Hole Size NA
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

Production String

Cement Job 200 Cement (sx) 450 Yield 1.32

Production Casing

Hole Size 7.875
Casing Size 4.5
Cemented with 650
Top of Cement 1750
Method Det. Calc'd 100% Excess
Depth Set 4800

Injection Interval

Completion Type Cased

Annular Vol Cf/Lf 0.227789719

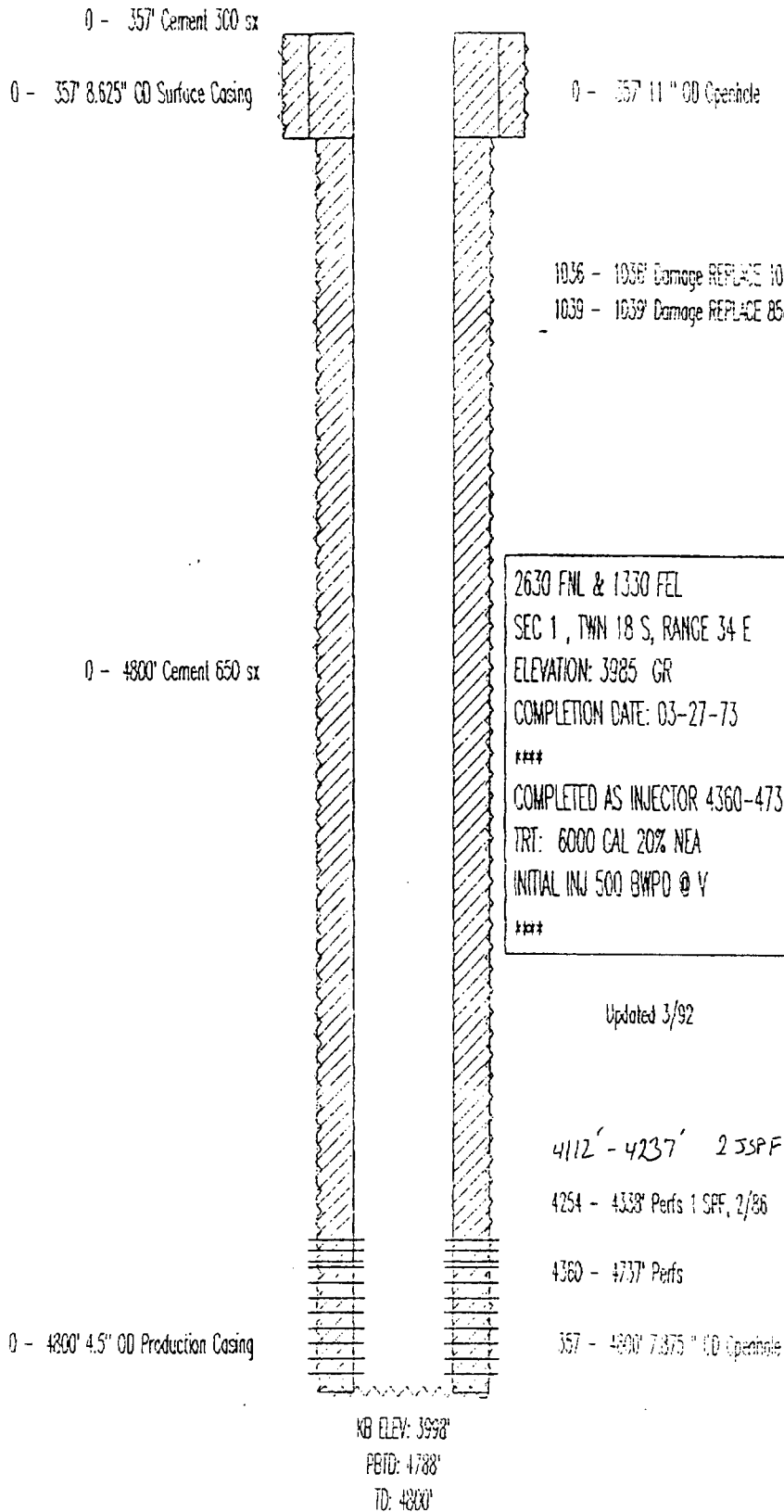
Yes X No

Water Injection

Grayburg San Andres

Vacuum

TEXACO INC
VACUUM GRBG-SADR UN NO. W135
API# 30025243610000



Injection Well Data Sheet

General Information:

Operator Phillips Petroleum
Well Name State 35
Number 37
Well Location
Footage Location 10 FSL, 1210 FEL
Unit Letter Phillips Petroleum
Section 35
Township 17S
Range 35E

Downhole Equip.

Tubing Size 2-7/8"
Lining Material Plastic Coating
Packer Type Elder Lokset
Packer Depth 4301

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'

Glorieta at ~5800'

Surface Casing

Hole Size 17.5
Casing Size 13.375
Cemented with 1650
Top of Cement 0
Method Det. Circ'd
Depth Set 1570

Intermediate Casing

Hole Size NA
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

Production String Cement Job

Production Casing
Hole Size 7.875
Casing Size 5.5
Cemented with 1300
Top of Cement 0
Method Det. Circ'd
Depth Set 4800

Injection Interval

Completion Type Cased

Annular Vol Cfl/Lf 0.173249719

X Yes No

Water Injection
Grayburg San Andres
Vacuum

PHILLIPS PETROLEUM
HALE #19
API# 3002528062

STATE 35 #37

0.0 - 1570.0' 13.375" OD SURF CSG
0.0 - 1570.0' CEMENT 1650 sx

0.0 - 1570.0' 17.5" OD HOLE

10 FSL & 1210 FEL
SEC 35, TWN 17 S, RANGE 35 E
ELEVATION: 4022 KB
SPUD DATE: 03-20-83
COMPLETION DATE: 07-23-83

0.0 - 4800.0' 5.5" OD PROD CSG
0.0 - 4800.0' CEMENT 1300 sx

0.0 - 4305.0' 2.875" OD TBG
4301.0 - 4306.0' PACKER ELDER LOKSET
4367.0 - 4710.0' PERFS
1570.0 - 4800.0' 7.875" OD HOLE

PBTD: 4728'
TD: 4800'

Injection Well Data Sheet

General Information:

Operator Texaco Inc.
 Well Name Vacuum Grayburg San Andres Unit
 Number 46
 Well Location 1405 FNL, 1230 FEL
 Footage Location H
 Unit Letter 2
 Section 18S
 Township 34E
 Range

Downhole Equip.

Tubing Size 2-3/8
 Lining Material Fiberglass - Rice Duoline
 Packer Type Guiberson G-6
 Packer Depth 4269

Additional Data:

1. Is this a new well drilled for injection?
 If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'

Glorieta at ~5800'

Surface Casing

Hole Size 11
 Casing Size 8.625
 Cemented with 300
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 356

Intermediate Casing

Hole Size NA
 Casing Size
 Cemented with
 Top of Cement
 Method Det.
 Depth Set

Production String

Cement Job 200 Yield 1.32

Production Casing

Hole Size 7.875
 Casing Size 5.5
 Cemented with 500
 Top of Cement 1879
 Method Det. Calc'd 100% Excess
 Depth Set 4800

Injection Interval

Completion Type Cased

Annular Vol Cf/Lf 0.173249719

Yes X No

Oil Producer

Grayburg San Andres

Vacuum

TEXACO INC
VACUUM GREB-SADR UN. NO. 46
API# 30025243640000

0 - 356' Cement 300 sx
0 - 356' 8.625" OD Surface Casing

0 - 356' 11" OD Openhole

1111 - 4800' Cement 300 sx, TOC?

0 - 4800' 5.5" OD Production Casing

1405 FNL & 1230 FEL
SEC 2, T11N 18 S, RANGE 34 E
ELEVATION: 4009 GR
COMPLETION DATE: 03-07-73

COMPLETION INTERVAL: 4319 - 4697 (GESA)
TRT: 8000 GALS ACID (4319 - 4697)
IP: 99 BOPD, 226 MCFD, 7 BHPD (PUMPING)

Updated 3/92

4319 - 4697' Perfs

4412 - 4785' Perfs 2 SPF 48 HOLES, 6/30

356 - 4800' 7.875" OD Openhole

KB ELEV: 4019'

PBTD: 4788'

TD: 4800'

Injection Well Data Sheet

General Information:

Operator Texaco Inc.
Well Name Vacuum Grayburg San Andres Unit
Number 47
Well Location _____
Footage Location 1330 FNL, 10 FEL
Unit Letter A
Section 2
Township 18S
Range 34E

Downhole Equip.

Tubing Size 2-3/8
Lining Material Fiberglass - Rice Duoline
Packer Type Guiberson G-6
Packer Depth 4311

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.
No

Surface Casing

Hole Size 11
Casing Size 8.625
Cemented with 300
Top of Cement 0
Method Det. Circ'd
Depth Set 355

Intermediate Casing

Hole Size NA
Casing Size _____
Cemented with _____
Top of Cement _____
Method Det. _____
Depth Set _____

Production String

Cement Job _____
Cement (sx) 200
Yield 1.32

Production Casing

Hole Size 7.875
Casing Size 4.5
Cemented with 600
Top of Cement 2026
Method Det. Calc'd
Depth Set 4800
Excess 100%

Injection Interval

Completion Type Cased

Annular Vol Cf/Lf 0.227789719

Yes X No _____

Water Injection

Grayburg San Andres

Vacuum

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'

Glorieta at ~5800'

TEXACO INC
VACUUM GRBG-SADR UN NO. W147
API# 30025243650000

0 - 355' Cement 300 sx
0 - 355' 8.625" OD Surface Casing

0 - 355' 11" OD Openhole

1111 - 4800' Cement 600 sx, TOC?

1330 FNL & 10 FEL
SEC 2, TWN 18 S, RANGE 34 E
ELEVATION: 4001 GR
COMPLETION DATE: 04-04-73

COMPLETED AS INJECTOR 4361-4739
TRT: 6000 GAL 20% NEA
INITIAL INJ 600 BHPD @ 0 PSI

Updated 3/92

0 - 4800' 4.5" OD Production Casing

4361 - 4739' Perfs
4403 - 4712' Perfs 2 SPF 32 HOLES, 6/90
355 - 4800' 7.875" OD Openhole

KB ELEV: 4011'
TD: 4800'

Injection Well Data Sheet

General Information:

Operator Texaco Inc.
 Well Name Vacuum Grayburg San Andres Unit
 Number 48
 Well Location 1330 FNL, 1330 FWL
 Footage Location F
 Unit Letter 1
 Section 18S
 Township 34E
 Range

Downhole Equip.

Tubing Size 2-3/8
 Lining Material Fiberglass - Rice Duoline
 Packer Type Guiberson G-6
 Packer Depth 4230

Surface Casing

Hole Size 11
 Casing Size 8.625
 Cemented with 200
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 355

Intermediate Casing

Hole Size NA
 Casing Size
 Cemented with
 Top of Cement
 Method Det.
 Depth Set

Production String

Cement Job 200 Yield 1.32
300 2.51

Production Casing

Hole Size 7.875
 Casing Size 5.5
 Cemented with 500
 Top of Cement 1879
 Method Det. Calc'd 100% Excess
 Depth Set 4800

Injection Interval

4280-4730
 Completion Type Cased

Annular Vol Cf/Lf 0.173249719

Additional Data:

1. Is this a new well drilled for injection?
 If no, for what purpose was the well originally drilled?

2. Name of the Injection Formation:

3. Name of Field or Pool (if applicable):

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'

Glorieta at ~5800'

Yes X No

Oil Producer

Grayburg San Andres

Vacuum

TEXACO INC
VACUUM GRBG-SADR UN NO. 48
API# 30025243220000

0 - 355' Cement 200 sx
0 - 355' 8.625" OD Surface Casing

0 - 355' 11" OD Openhole

1111 - 4800' Cement 500 sx, TOC?

1330 FNL & 1330 FWL
SEC 1, TWN 18 S, RANGE 34 E
ELEVATION: 3994 GR
COMPLETION DATE: 02-13-73

COMPLETION INTERVAL: 4389 - 4730 (SADR)
TRT: 8000 GALS ACID (4389 - 4730)
IP: 216 BOPD, 495 MCFD, 11 BWPD (PUMPING)

CONVERT TO INJECTION 1/26/83
INITIAL INJ 800 BWPD @ V

Updated 3/92

4280 - 4372' Perfs 2 SPF 26 HOLES, 8/87

4389 - 4730' Perfs

0 - 4800' 5.5" OD Production Casing

355 - 4800' 7.375" OD Openhole

KB ELEV: 4004'

PBTD: 4783'

TD: 4800'

Injection Well Data Sheet

General Information:

Operator Texaco Inc.
 Well Name Vacuum Grayburg San Andres Unit
 Number 49
 Well Location 1390 FNL, 2580 FWL
 Footage Location F
 Unit Letter 1
 Section 18S
 Township 34E
 Range

Downhole Equip.

Tubing Size 2-3/8
 Lining Material Fiberglass - Rice Duoline
 Packer Type Guiberson G-6
 Packer Depth 4234

Additional Data:

1. Is this a new well drilled for injection?
 If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.
 No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
 Yates at ~2700'

Glorieta at ~5800'

Surface Casing

Hole Size 11
 Casing Size 8.625
 Cemented with 300
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 358

Intermediate Casing

Hole Size NA
 Casing Size
 Cemented with
 Top of Cement
 Method Det.
 Depth Set

Production String
 Cement Job
 Cement (sx)
 Yield

200 1.32

300 2.51

Production Casing

Hole Size 7.875
 Casing Size 4.5
 Cemented with 500
 Top of Cement 2576
 Method Det. Calcd
 Depth Set 4800
 100% Excess

Injection Interval 4284-4731

Completion Type Cased

Annular Vol Cf/Lf 0.227789719

Yes X No

Water Injection

Grayburg San Andres

Vacuum

List all such perforated

intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

TEXACO INC
VACUUM GRBG-SADR UN NO. W149
API# 30025243290000

0 - 358' Cement 300 sx
0 - 358' 8.625" OD Surface Casing

0 - 358' 11" OD Openhole

1111 - 4800' Cement 500 sx, TOC?

1390 FNL & 2580 FWL
SEC 1, TWN 18 S, RANGE 34 E
ELEVATION: 3991 GR
COMPLETION DATE: 02-16-73

COMPLETED AS INJECTOR 4373-4731
TRT: 6000 GAL 20% NEA
INITIAL RATE 500 BWPD @ 0 PSI

Updated 3/92

0 - 4800' 4.5" OD Production Casing

4065 - 4067' Squeeze Perfs TEST FOR CHANNEL, 150 SX

4284 - 4360' Perfs 1 SPF, 2/86

4373 - 4731' Perfs

358 - 4800' 7.875" OD Openhole

KB ELEV: 4001'

PBTD: 4778'

TD: 4800'

Injection Well Data Sheet

General Information:

Operator Texaco Inc.
 Well Name Vacuum Grayburg San Andres Unit
 Number 50
 Well Location 1330 FNL, 1330 FEL
 Footage Location G
 Unit Letter 1
 Section 18S
 Township 34E
 Range

Downhole Equip.

Tubing Size 2-3/8
 Lining Material Fiberglass - Rice Duoline
 Packer Type Guiberson G-6
 Packer Depth 4270

Additional Data:

1. Is this a new well drilled for injection?
 If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.
 No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
 Yates at ~2700'
 Glorieta at ~5800'

Surface Casing

Hole Size 11
 Casing Size 8.625
 Cemented with 300
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 354

Intermediate Casing

Hole Size NA
 Casing Size
 Cemented with
 Top of Cement
 Method Det.
 Depth Set

Production String

Cement Job 200 Yield 1.32
300 2.51

Production Casing

Hole Size 7.875
 Casing Size 5.5
 Cemented with 500
 Top of Cement 1879
 Method Det. Calc'd 100% Excess
 Depth Set 4800

Injection Interval

Completion Type 4133-4743
Cased

Annular Vol Cf/Lf 0.173249719

Yes X No

Oil Producer
Grayburg San Andres
Vacuum

TEXACO INC
VACUUM GRBG-SADR UN NO. 50
API# 30025243660000

0 - 354' Cement 300 sx
0 - 354' 8.625" OD Surface Casing

0 - 354' 11" OD Openhole

1111 - 4800' Cement 500 sx, TOC?

1330 FNL & 1330 FEL
SEC 1, TWN 18 S, RANGE 34 E
ELEVATION: 3987 GR
COMPLETION DATE: 03-12-73

COMPLETION INTERVAL: 4389 - 4743 (SADR)
TRT: 8000 GALS ACID (4389 - 4743)
IP: 213 BOPD, 495 MCFD, 13 BHPD (PUMPING)

CONVERT TO INJECTION 4/11/83
INITIAL RATE 540 BHPD @ 0 PSI

Updated 3/92

4133' - 4245' (180 HOLES)

4320 - 4358' Perfs 1 SPF, 2/86

4389 - 4743' Perfs

0 - 4800' 5.5" OD Production Casing

354 - 4800' 7.375" OD Openhole

KB ELEV: 3997'

PBTD: 4788'

TD: 4800'

Injection Well Data Sheet

General Information:

Operator Texaco Inc.
Well Name Vacuum Grayburg San Andres Unit
Number 63
Well Location 50 FNL, 2630 FEL
Footage Location B
Unit Letter 2
Section 18S
Township 34E
Range

Downhole Equip.

Tubing Size 2-3/8
Lining Material Fiberglass - Rice Duoline
Packer Type Guiberson G-6
Packer Depth 4434

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.
No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Yates at ~2700'
Glorieta at ~5800'

Surface Casing

Hole Size 20
Casing Size 16
Cemented with 550
Top of Cement 0
Method Det. Circ'd
Depth Set 375

Intermediate Casing

Hole Size 14.75
Casing Size 11.75
Cemented with 950
Top of Cement 0
Method Det. Circ'd
Depth Set 1590

Production String

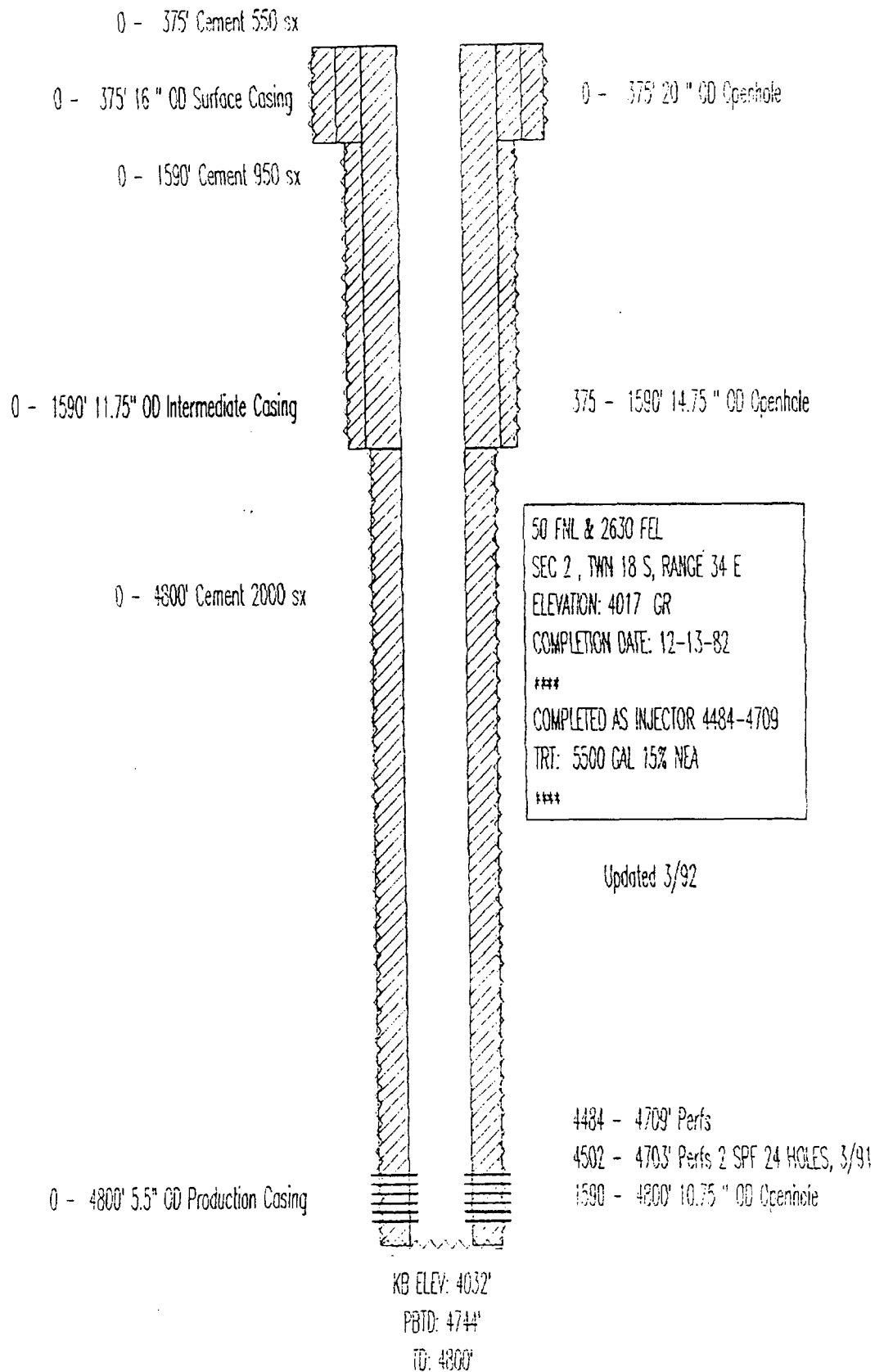
Cement Job Yield
Cement (sx) 10.75
Production Casing
Hole Size 5.5
Casing Size 2000
Cemented with 0
Top of Cement Circ'd
Method Det. Excess
Depth Set 4800

Injection Interval

Completion Type 4484-4709
Cased

Annular Vol Cf/Lf 0.465294375

TEXACO INC
VACUUM(GBSA)UNIT NO. W1-63
API# 30025279740000



Injection Well Data Sheet

General Information:

Operator Texaco Inc.
 Well Name Vacuum Grayburg San Andres Unit
 Number 122
 Well Location 1336 FNL, 660 FEL
 Footage Location H
 Unit Letter 1
 Section 18S
 Township 34E
 Range

Downhole Equip.

Tubing Size 2-7/8
 Lining Material Fiberglass - Rice Duoline
 Packer Type Gulberson G-6
 Packer Depth 4267

Additional Data:

1. Is this a new well drilled for injection?
 If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.
 No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
 Yates at ~2700'
 Glorieta at ~5800'

Surface Casing

Hole Size 23
 Casing Size 18.625
 Cemented with 750
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 400

Intermediate Casing

Hole Size 17.5
 Casing Size 13.375
 Cemented with 1500
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 1546

Production String

Cement Job Cement Yield
 Cement (sx)
 Production Casing
 Hole Size 12.25
 Casing Size 7
 Cemented with 2200
 Top of Cement 0
 Method Det. Circ'd Excess
 Depth Set 5000

Injection Interval

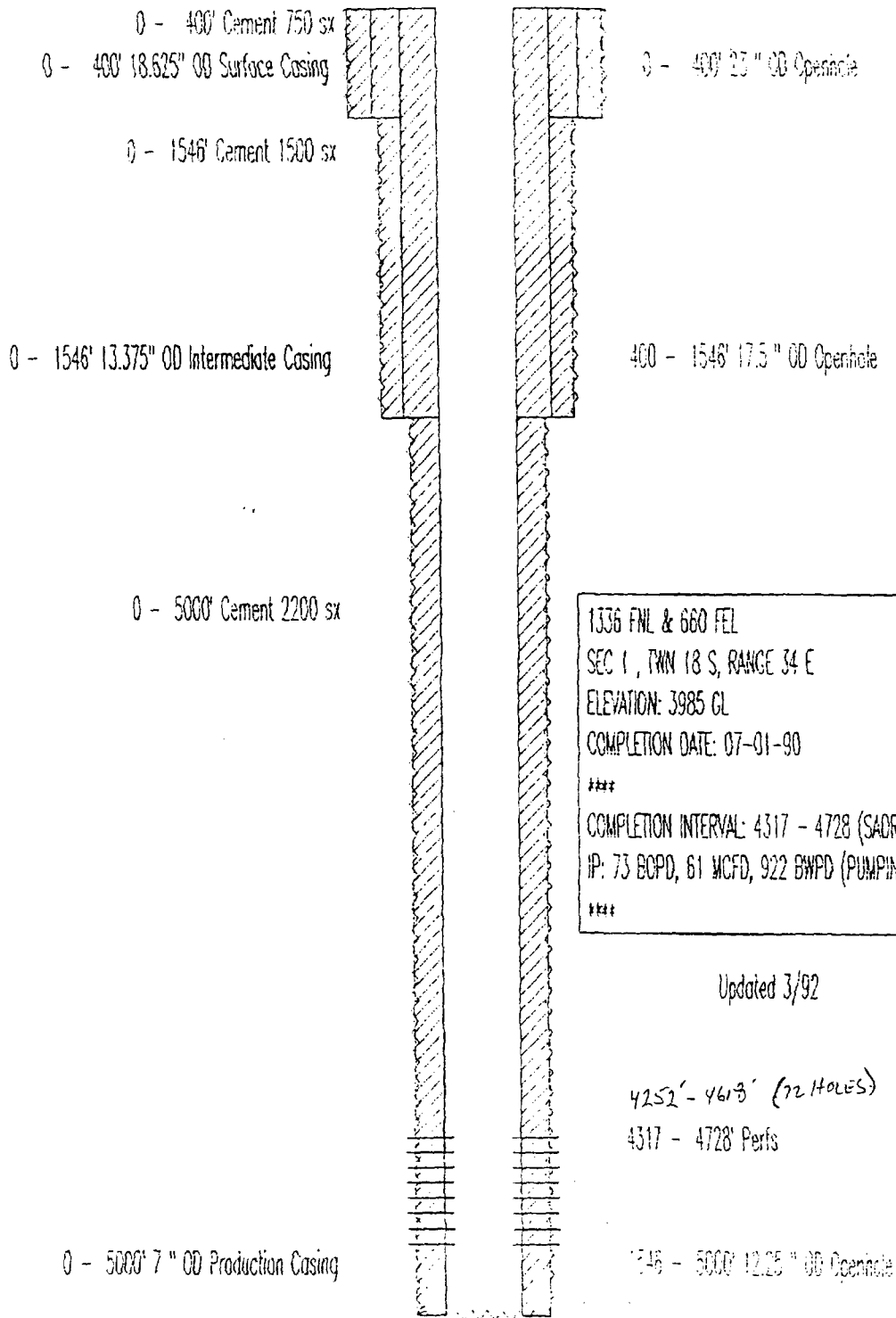
Completion Type Cased
 Injection Interval 4252-4728

Annular Vol Cf/Lf 0.551194875

Yes X No

Oil Producer
 Grayburg San Andres
 Vacuum

TEXACO PROD
VACUUM (GRAYBURG-SA) NO. 122
API# 30025307210000



K3 ELEV: 3996'
PBD: 4985'
TD: 5000'

Injection Well Data Sheet

General Information:

Operator
Well Name
Number
Well Location
Footage Location
Unit Letter
Section
Township
Range

Texaco Inc.
Vacuum Grayburg San Andres Unit
146
1324 FNL, 1980 FEL
B
2
18S
34E

Downhole Equip.

Tubing Size
Lining Material
Packer Type
Packer Depth

2-3/8
Fiberglass - Rice Duoline
Guiberson G-6
4313

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

Yes X No
Water Injection
Grayburg San Andres
Vacuum

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'
Glorieta at ~5800'

Surface Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

11
8.625
650
0
Circ'd
1570

Intermediate Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

NA

Production String Cement Job

Production Casing

Hole Size
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

7.875
5.5
1240
0
Circ'd
5000

Injection Interval

Completion Type

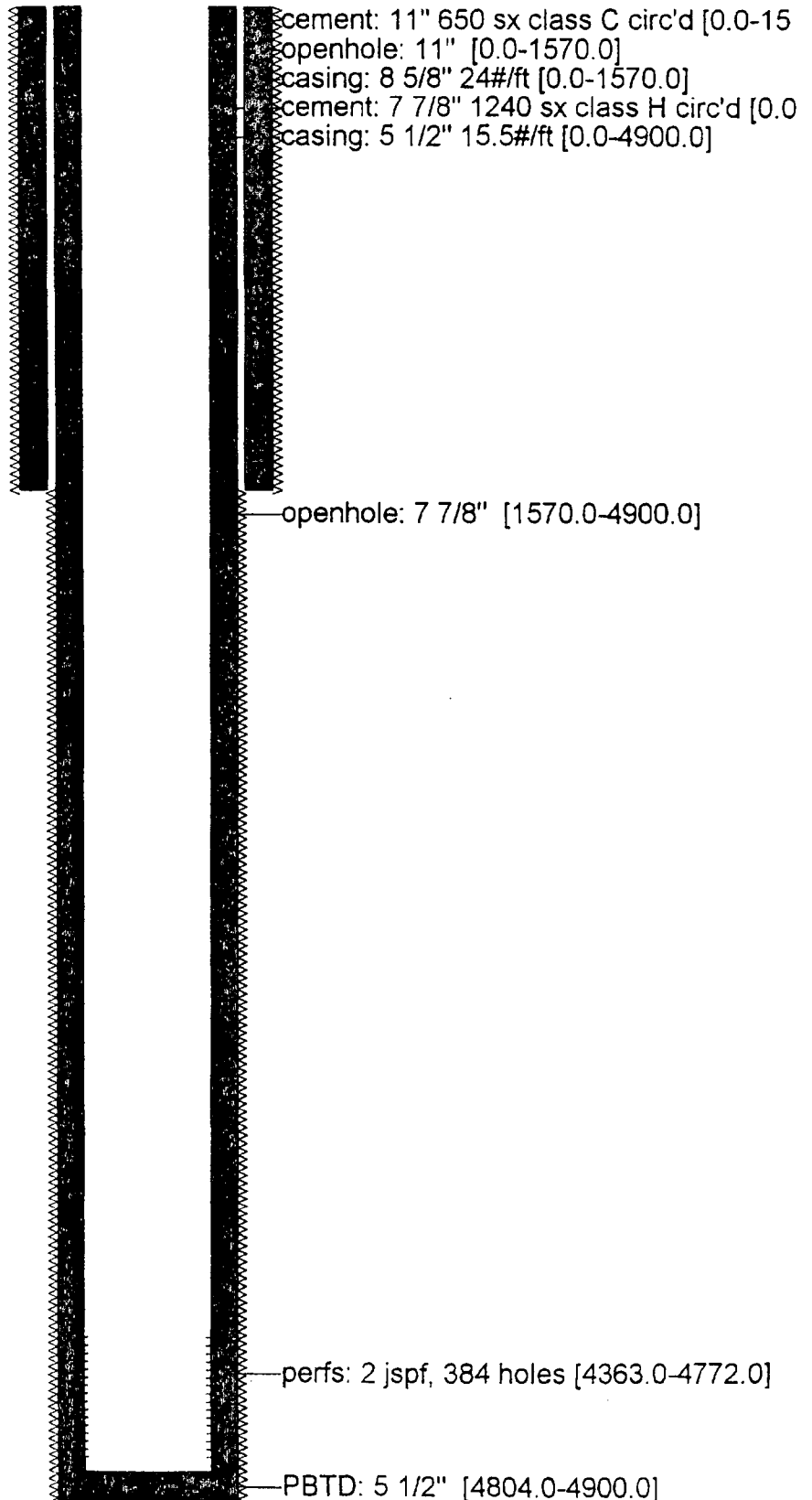
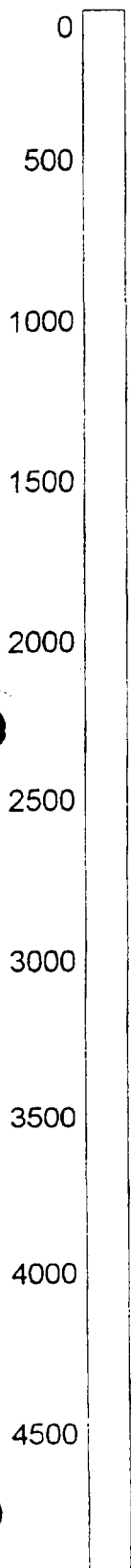
4363-4772
Cased

Cement (sx)

Yield

Annular Vol C/ILF 0.173249719

Excess



Injection Well Data Sheet

General Information:

Operator Texaco Inc.
Well Name Vacuum Grayburg San Andres Unit
Number 147
Well Location
Footage Location 1360 FNL, 660 FEL
Unit Letter H
Section 2
Township 18S
Range 34E

Downhole Equip.

Tubing Size 2-3/8
Lining Material Fiberglass - Rice Duoline
Packer Type Guiberson G-6
Packer Depth 4258

Additional Data:

1. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.
No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Yates at ~2700'

Glorieta at ~5800'

Surface Casing

Hole Size 11
Casing Size 8.625
Cemented with 650
Top of Cement 0
Method Det. Circ'd
Depth Set 1530

Intermediate Casing

Hole Size NA
Casing Size
Cemented with
Top of Cement
Method Det.
Depth Set

Production String Cement Job

Cement (sx) Yield

Production Casing

Hole Size 7.875
Casing Size 5.5
Cemented with 1400
Top of Cement 0
Method Det. Circ'd
Depth Set 4900

Injection Interval

4308-4720

Completion Type

Cased

Annular Vol Cf/Lf 0.173249719

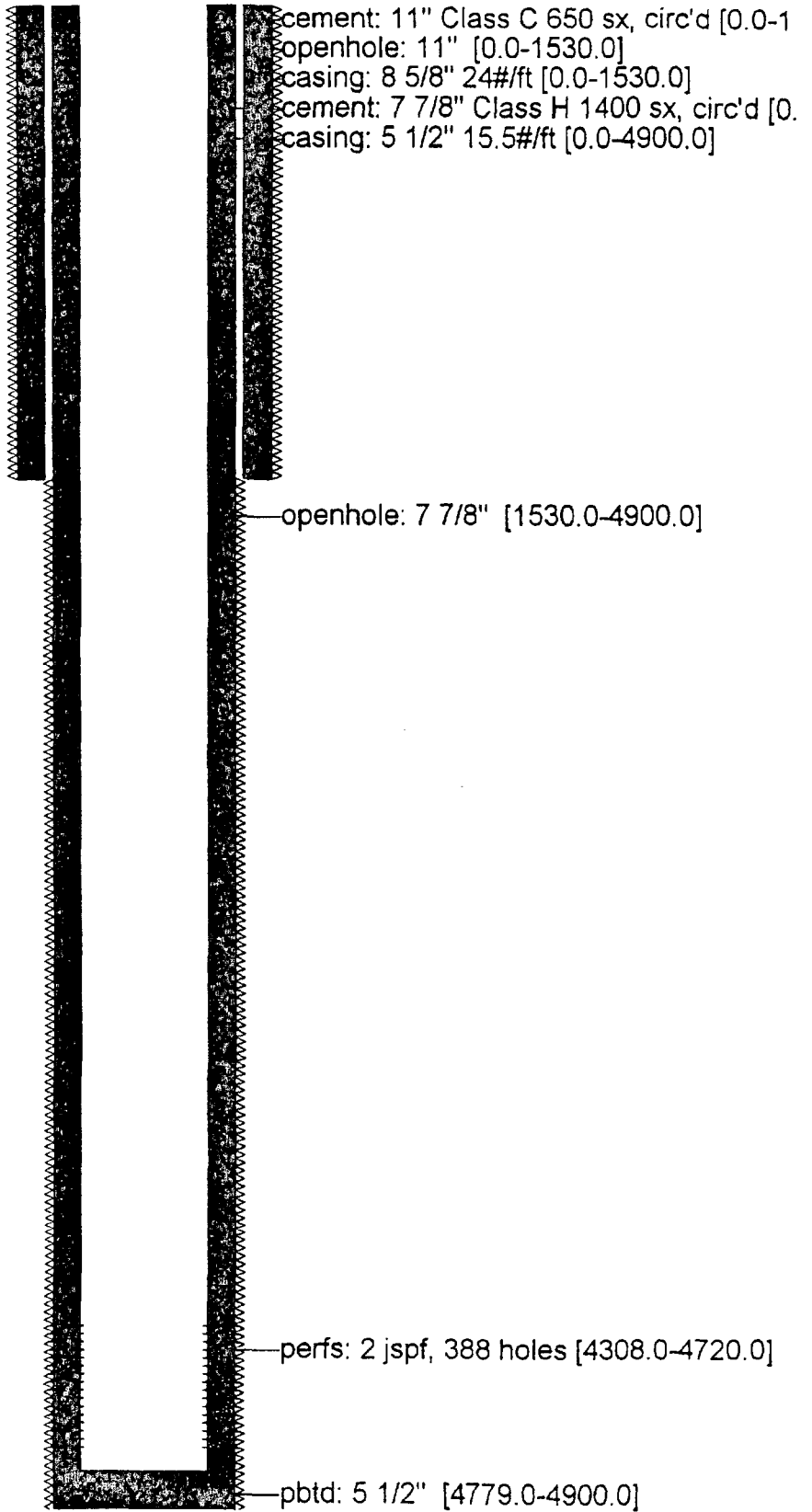
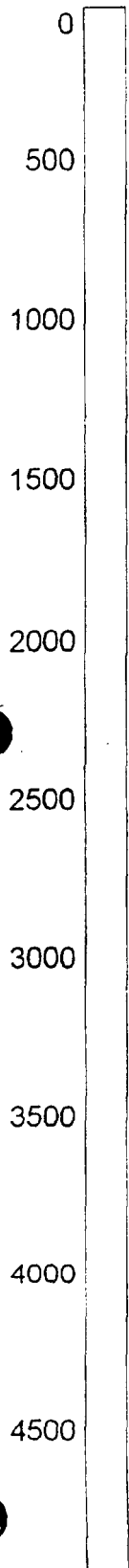
Yes X No

Water Injection

Grayburg San Andres

Vacuum

List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.



Injection Well Data Sheet

General Information:

Operator Texaco Inc.
 Well Name Vacuum Grayburg San Andres Unit
 Number 148
 Well Location 1330 FNL, 660 FWL
 Footage Location E
 Unit Letter 1
 Section 18S
 Township 34E
 Range

Surface Casing

Hole Size 12.25
 Casing Size 9.625
 Cemented with 1000
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 1553

Intermediate Casing

Hole Size NA
 Casing Size
 Cemented with
 Top of Cement
 Method Det.
 Depth Set

Downhole Equip.

Tubing Size 2-7/8
 Lining Material Fiberglass - Rice Duoline
 Packer Type Gulberson G-6
 Packer Depth 4270

Production String Cement Job

Production Casing
 Hole Size 8.5
 Casing Size 7
 Cemented with 1050
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 5000

Injection Interval Completion Type

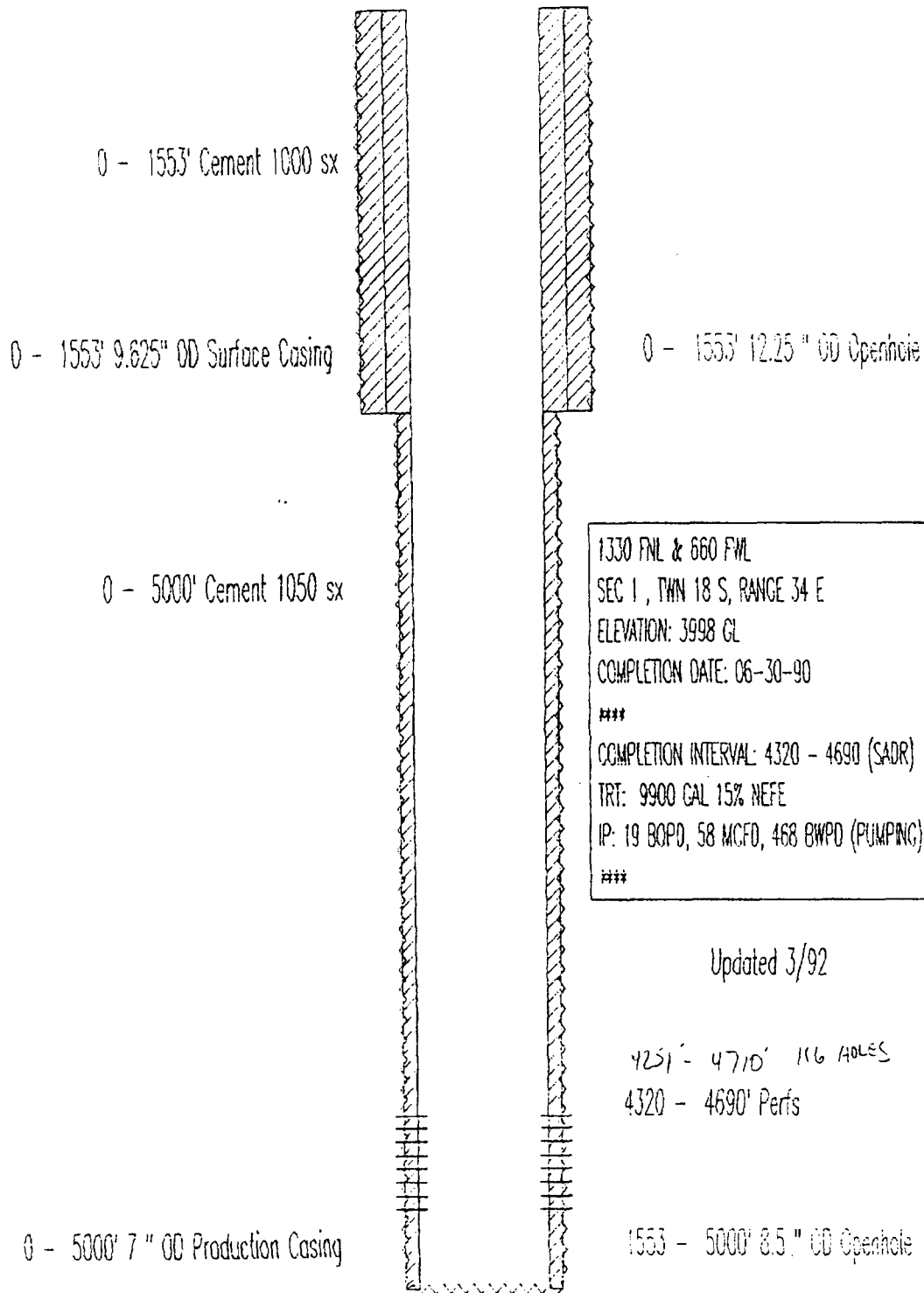
Injection Interval 4251-4710
 Completion Type Cased

Annular Vol Cfl/Lf 0.1268055

Additional Data:

- Is this a new well drilled for injection?
 If no, for what purpose was the well originally drilled?
 Yes X No
 Oil Producer
 Grayburg San Andres
 Vacuum
- Name of the Injection Formation:
- Name of Field or Pool (if applicable):
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.
 No
- Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
 Yates at ~2700'
 Glorieta at ~5800'

TEXACO INC
VACUUM (GRAYBURG-SA) NO. 148
API# 30025307990000



Injection Well Data Sheet

General Information:

Operator Texaco Inc.
 Well Name Vacuum Grayburg San Andres Unit
 Number 149
 Well Location 1330 FNL, 1980 FWL
 Footage Location F
 Unit Letter 1
 Section 18S
 Township 34E
 Range

Downhole Equip.

Tubing Size 2-7/8
 Lining Material Fiberglass - Rice Duoline
 Packer Type Guiberson G-6
 Packer Depth 4082

Surface Casing

Hole Size 17.5
 Casing Size 13.375
 Cemented with 1700
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 1550

Intermediate Casing

Hole Size 12.25
 Casing Size 9.625
 Cemented with 950
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 2800

Production String Cement Job

Cement (sx) Yield

Production Casing

Hole Size 8.5
 Casing Size 7
 Cemented with 950
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 5000
 Excess

Injection Interval

Completion Type 4132-4698
Cased

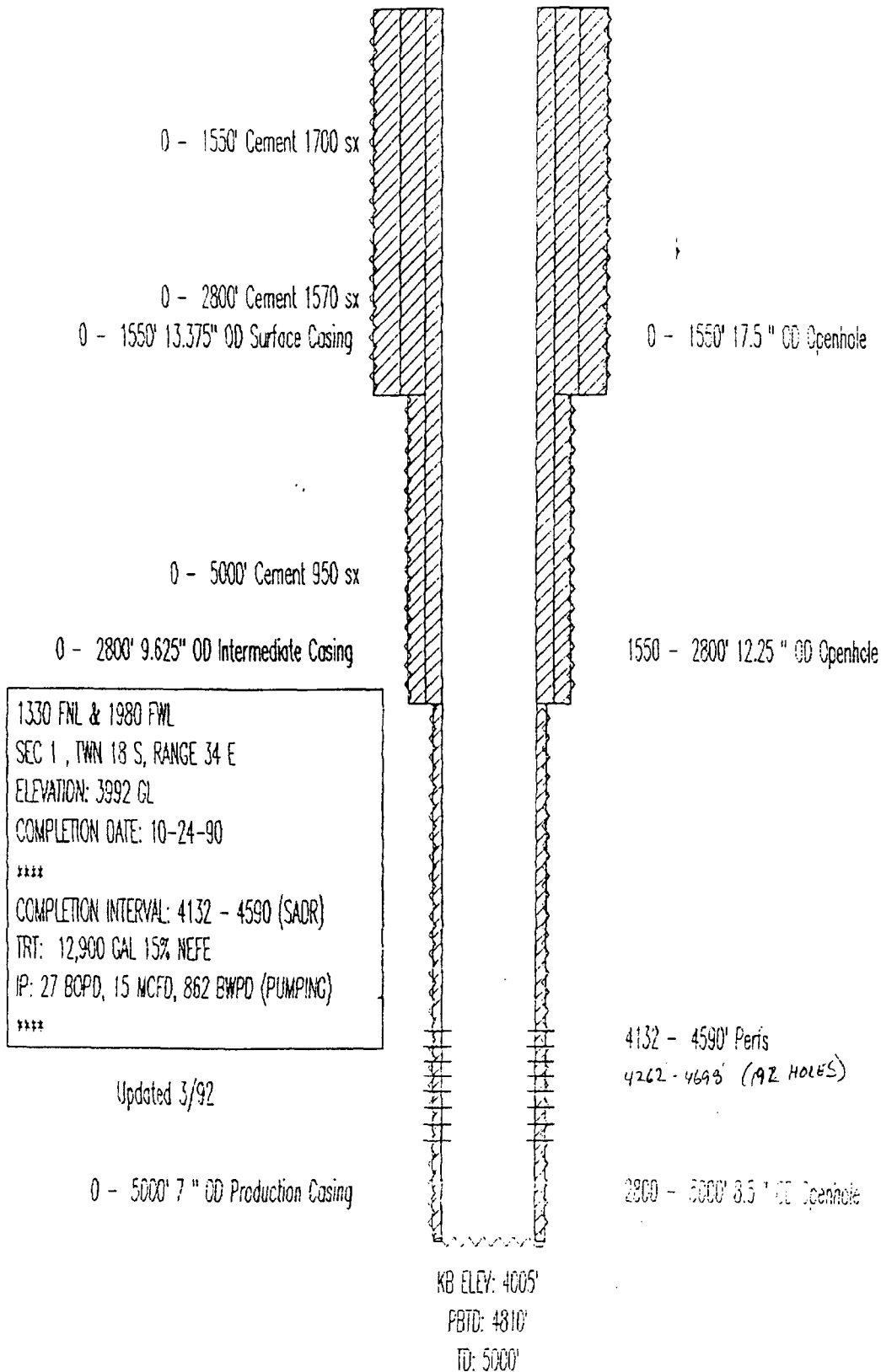
Annular Vol Cf/Lf 0.1268055

Additional Data:

1. Is this a new well drilled for injection?
 If no, for what purpose was the well originally drilled?
 Yes X No Oil Producer
Grayburg San Andres
Vacuum
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.
 No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
 Yates at ~2700'
 Glorieta at ~5800'

TEXACO INC
VACUUM (GRAYBURG-SA) NO. 149
API# 30025308470000



Injection Well Data Sheet

General Information:

Operator Texaco Inc.
 Well Name Vacuum Grayburg San Andres Unit
 Number 150
 Well Location 1390 FNL, 1980 FEL
 Footage Location G
 Unit Letter 1
 Section 18S
 Township 34E
 Range

Downhole Equip.

Tubing Size 2-7/8
 Lining Material Fiberglass - Rice Duoline
 Packer Type Guiberson G-6
 Packer Depth 4087

Additional Data:

1. Is this a new well drilled for injection?
 If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.
 No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
 Yates at ~2700'

Glorieta at ~5800'

Surface Casing

Hole Size 17.5
 Casing Size 13.375
 Cemented with 1700
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 1550

Intermediate Casing

Hole Size 12.25
 Casing Size 9.625
 Cemented with 1570
 Top of Cement 0
 Method Det. Circ'd
 Depth Set 2800

Production String Cement Job

Cement (sx) 8.75

Yield

Production Casing

Hole Size 8.75

Casing Size 7

Cemented with 850

Top of Cement 0

Method Det. Circ'd

Depth Set 5000

Excess

Injection Interval

Completion Type Cased

Annular Vol Cf/Lf 0.150325875

Yes X No

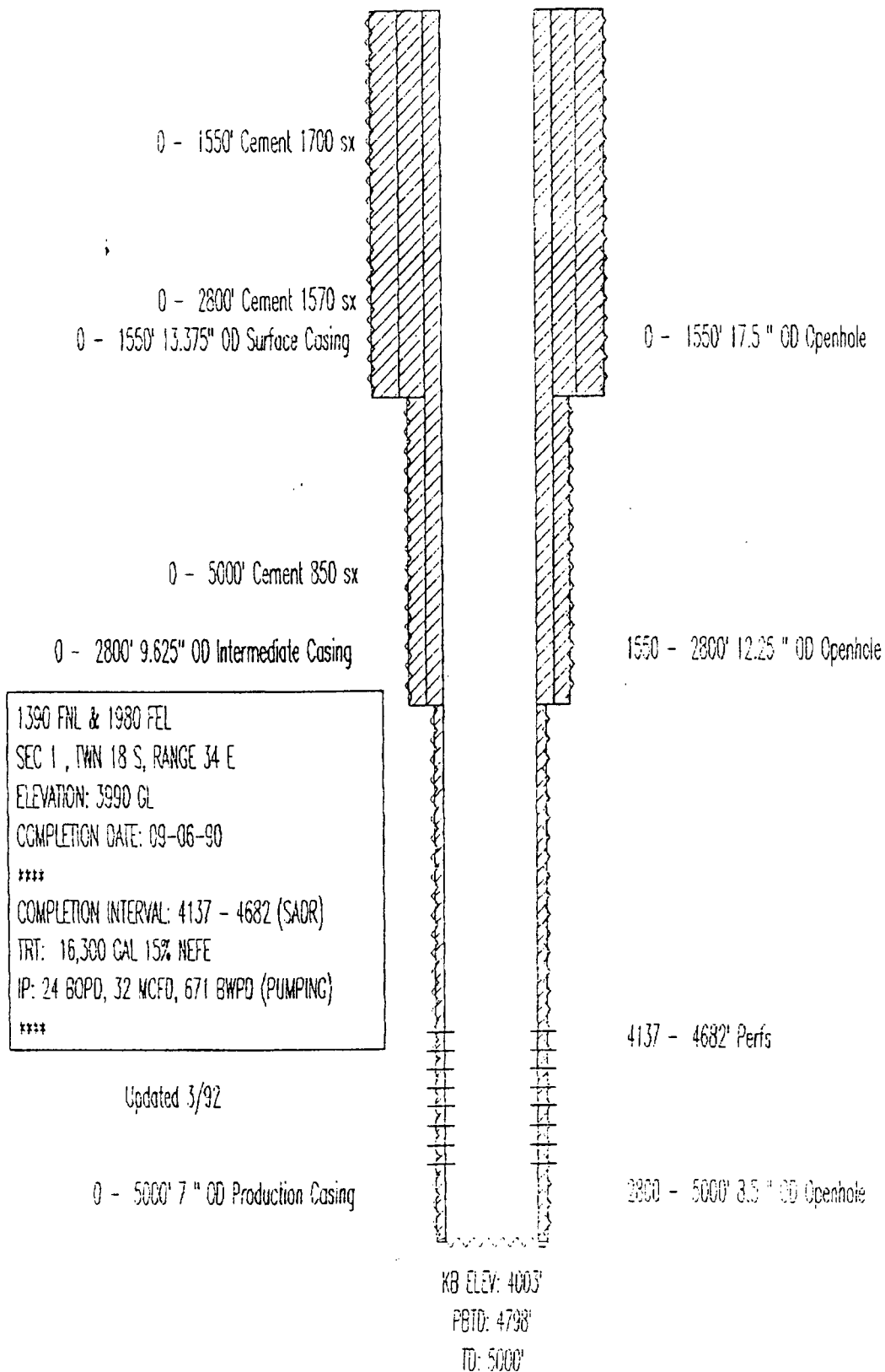
Oil Producer

Grayburg San Andres

Vacuum

List all such perforated intervals and give plugging detail, ie. Sacks of cement or plug(s) used.

TEXACO INC
VACUUM (GRAYBURG-SA) NO. 150
API# 30025309170000

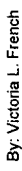


VGSAU C-108 Application

Area of Review Map

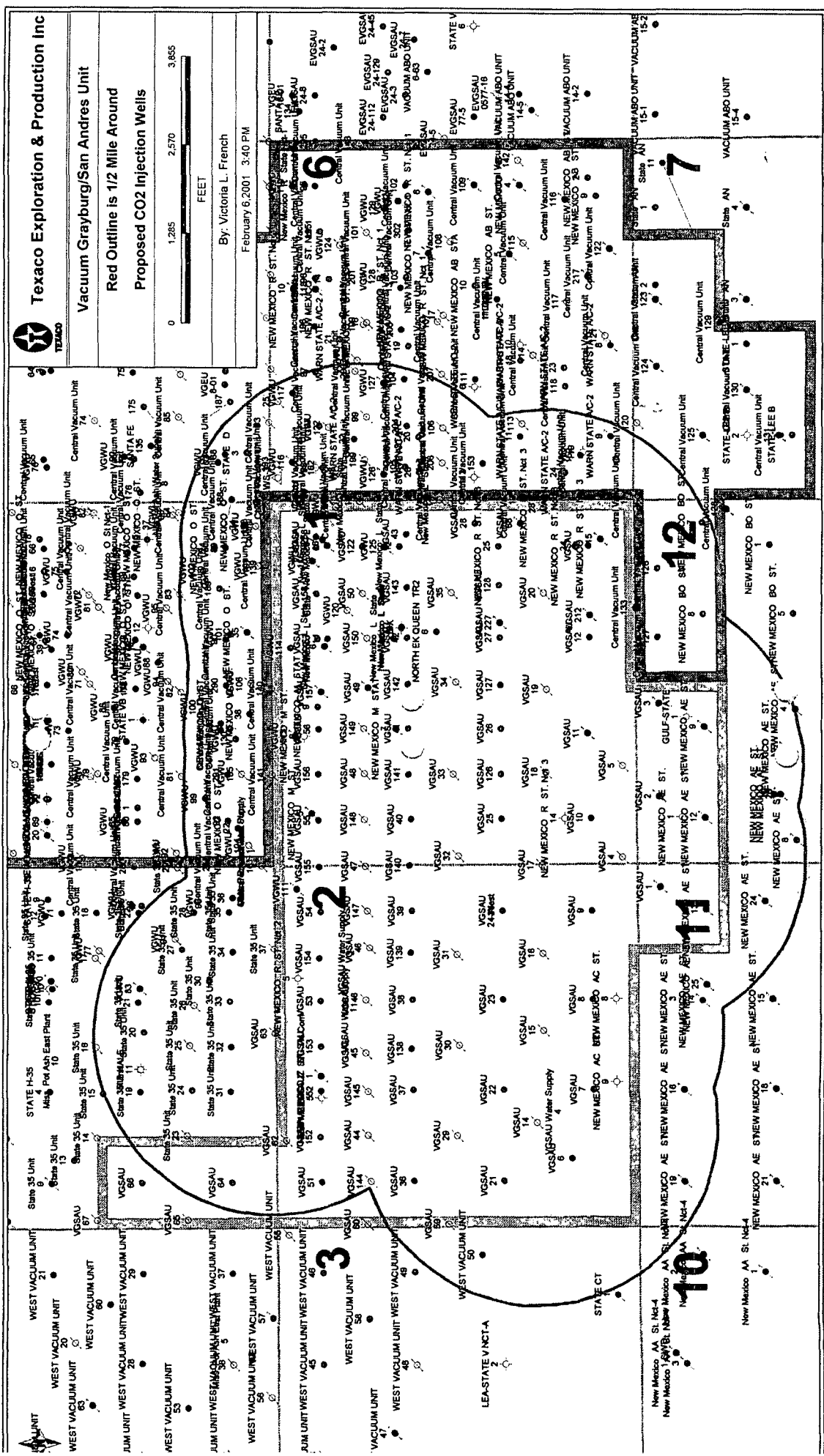


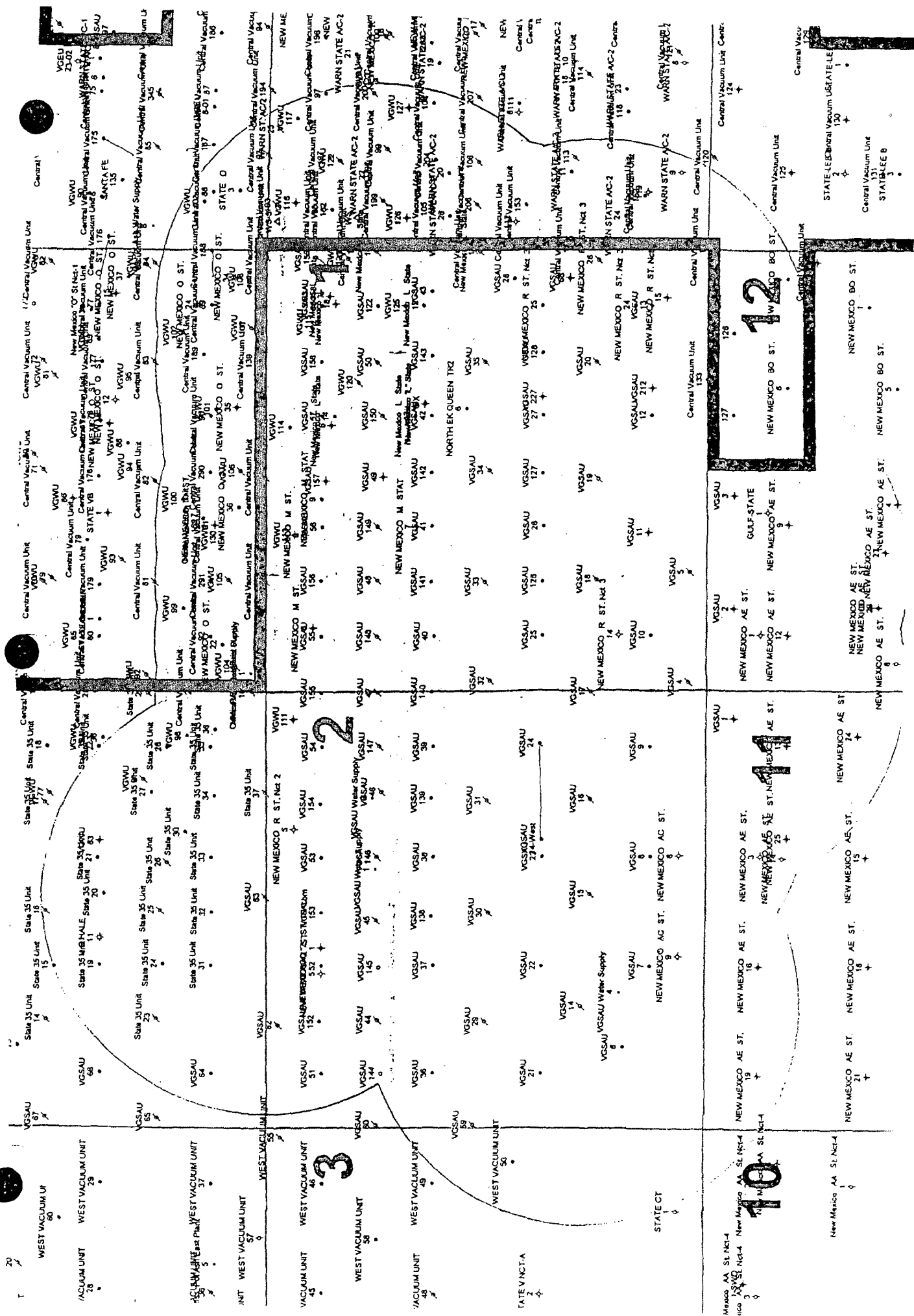
Proposed CO2 Injection Wells



February 6, 2001 3:40 PM

February 6, 2001 3:40 PM







VGSAU C-108 Application

Area of Review Wellbore Data and Schematics

VGSAU CO2 Injection Area of Review

#	API/IC	Lease Name	Well #	C-108	Operator	Formation At TD	Total Depth	Location	State	County	Status	Field	Spud Date	Footage
1	3002508535	CENTRAL VACUUM UNIT	88	Y	Texaco E & P Inc.	SAN ANDRES D	4800	31 17S 35E	NM	LEA	Oil	VACA DRAW	9/20/99	660 FSL 660 FWL
2	3002502241	CENTRAL VACUUM UNIT	89	Y	Texaco E & P Inc.	SAN ANDRES D	4710	36 17S 34E	NM	LEA	Oil	VACA DRAW	8/30/38	660 FSL 660 FEL
3	3002502244	CENTRAL VACUUM UNIT	90	Y	Texaco E & P Inc.	SAN ANDRES D	4710	36 17S 34E	NM	LEA	Oil	VACA DRAW	9/6/38	660 FSL 1980 FWL
4	3002502242	CENTRAL VACUUM UNIT	91	Y	Texaco E & P Inc.	Wolfcamp	4710	36 17S 34E	NM	LEA	PA	VACA DRAW	8/30/38	660 FSL 660 FWL
5	3002502243	CENTRAL VACUUM UNIT	92	Y	Texaco E & P Inc.	SAN ANDRES D	4710	36 17S 34E	NM	LEA	Oil	VACA DRAW	10/3/38	660 FSL 1980 FWL
6	3002525733	CENTRAL VACUUM UNIT	93	Y	Texaco E & P Inc.	SAN ANDRES D	4800	31 17S 35E	NM	LEA	W-INJ	VACA DRAW	3/31/79	10 FSL 1136 FWL
7	3002503076	CENTRAL VACUUM UNIT	97	Y	Texaco E & P Inc.	SAN ANDRES D	4725	6 18S 35E	NM	LEA	Oil	VACA DRAW	5/26/81	660 FNL 1810 FWL
8	3002503075	CENTRAL VACUUM UNIT	98	Y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4675	6 18S 35E	NM	LEA	PA	VACA DRAW	8/21/38	660 FNL 484 FWL
9	3002525710	CENTRAL VACUUM UNIT	99	Y	Texaco E & P Inc.	SAN ANDRES D	4800	6 18S 35E	NM	LEA	W-INJ	VACA DRAW	11/29/77	1408 FNL 1211 FWL
10	3002503078	CENTRAL VACUUM UNIT	104	Y	Texaco E & P Inc.	SAN ANDRES D	4726	6 18S 35E	NM	LEA	Oil	VACA DRAW	8/28/80	1728 FWL
11	3002503077	CENTRAL VACUUM UNIT	105	Y	Texaco E & P Inc.	SAN ANDRES D	4705	6 18S 35E	NM	LEA	Oil	VACA DRAW	6/30/81	1980 FNL 484 FWL
12	3002525796	CENTRAL VACUUM UNIT	106	Y	Texaco E & P Inc.	SAN ANDRES D	4800	6 18S 35E	NM	LEA	W-INJ	VACA DRAW	4/24/78	2520 FNL 1040 FWL
13	3002524754	CENTRAL VACUUM UNIT	111	Y	Texaco E & P Inc.	SAN ANDRES D	4720	6 18S 35E	NM	LEA	Oil	VACA DRAW	9/1/83	2310 FSL 1750 FWL
14	3002503079	CENTRAL VACUUM UNIT	112	Y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4694	6 18S 35E	NM	LEA	PA	VACA DRAW	2/16/40	2310 FSL 330 FWL
15	3002525798	CENTRAL VACUUM UNIT	113	Y	Texaco E & P Inc.	SAN ANDRES D	4800	6 18S 35E	NM	LEA	W-INJ	VACA DRAW	7/7/79	1620 FNL 1100 FWL
16	3002503081	CENTRAL VACUUM UNIT	119	Y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4683	6 18S 35E	NM	LEA	PA	VACA DRAW	8/5/44	660 FSL 660 FWL
17	3002502324	CENTRAL VACUUM UNIT	126	Y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4751	12 18S 34E	NM	LEA	Oil	VACA DRAW	7/31/44	330 FNL 990 FEL
18	3002502323	CENTRAL VACUUM UNIT	127	Y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4686	12 18S 34E	NM	LEA	Oil	VACA DRAW	5/25/44	330 FNL 1980 FEL
19	3002525680	CENTRAL VACUUM UNIT	128	Y	Texaco E & P Inc.	SAN ANDRES D	4800	12 18S 34E	NM	LEA	PA	VACA DRAW	9/24/79	1310 FNL 200 FEL
20	3002525994	CENTRAL VACUUM UNIT	133	Y	Texaco E & P Inc.	SAN ANDRES D	4800	12 18S 34E	NM	LEA	W-INJ	VACA DRAW	9/8/78	10 FNL 1550 FEL
21	3002525995	CENTRAL VACUUM UNIT	134	Y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4800	7 18S 35E	NM	LEA	W-INJ	VACA DRAW		40 FNL 40 FWL
22	3002525996	CENTRAL VACUUM UNIT	135	Y	Texaco E & P Inc.	SAN ANDRES D	4800	6 18S 35E	NM	LEA	W-INJ	VACA DRAW	10/3/78	1600 FSL 40 FWL
23	3002525997	CENTRAL VACUUM UNIT	136	Y	Texaco E & P Inc.	SAN ANDRES D	4800	6 18S 35E	NM	LEA	W-INJ	VACA DRAW	10/24/78	2450 FNL 40 FWL
24	3002525998	CENTRAL VACUUM UNIT	137	Y	Texaco E & P Inc.	SAN ANDRES D	4800	6 18S 35E	NM	LEA	W-INJ	VACA DRAW	11/7/78	1100 FNL 40 FWL
25	3002525999	CENTRAL VACUUM UNIT	138	Y	Texaco E & P Inc.	SAN ANDRES D	4800	36 17S 34E	NM	LEA	W-INJ	VACA DRAW	11/28/78	10 FSL 70 FEL
26	3002526078	CENTRAL VACUUM UNIT	139	Y	Texaco E & P Inc.	SAN ANDRES D	4844	36 17S 34E	NM	LEA	W-INJ	VACA DRAW	1/6/79	85 FSL 958 FEL
27	3002526800	CENTRAL VACUUM UNIT	140	Y	Texaco E & P Inc.	SAN ANDRES D	4800	36 17S 34E	NM	LEA	W-INJ	VACA DRAW	12/15/78	10 FSL 257.1 FWL
28	3002526801	CENTRAL VACUUM UNIT	141	Y	Texaco E & P Inc.	SAN ANDRES D	4800	36 17S 34E	NM	LEA	W-INJ	VACA DRAW	11/30/78	10 FSL 1310 FWL
29	3002526802	CENTRAL VACUUM UNIT	152	Y	Texaco E & P Inc.	SAN ANDRES D	4750	6 18S 35E	NM	LEA	Oil	VACA DRAW	6/13/80	760 FSL 660 FWL
30	3002527194	CENTRAL VACUUM UNIT	153	Y	Texaco E & P Inc.	SAN ANDRES D	4770	6 18S 35E	NM	LEA	Oil	VACA DRAW	12/27/80	2196 FSL 525 FWL
31	3002527971	CENTRAL VACUUM UNIT	161	Y	Texaco E & P Inc.	SAN ANDRES D	4800	36 17S 34E	NM	LEA	W-INJ	VACA DRAW	12/15/82	180 FSL 10 FWL
32	3002528182	CENTRAL VACUUM UNIT	162	Y	Texaco E & P Inc.	SAN ANDRES D	4800	6 18S 35E	NM	LEA	Oil	VACA DRAW	4/6/83	760 FNL 484 FWL
33	3002529765	CENTRAL VACUUM UNIT	169	Y	Texaco E & P Inc.	SAN ANDRES D	4710	36 17S 34E SE SW	NM	LEA	Oil	VACA DRAW	11/8/86	760 FSL 1980 FWL
34	3002533330	CENTRAL VACUUM UNIT	188	Y	Texaco E & P Inc.	SAN ANDRES D	4850	36 17S 34E	NM	LEA	Oil	VACA DRAW	5/18/96	650 FSL 318 FEL
35	3002533334	CENTRAL VACUUM UNIT	189	Y	Texaco E & P Inc.	SAN ANDRES D	4850	36 17S 34E	NM	LEA	Oil	VACA DRAW	4/23/86	751 FSL 1246 FEL
36	3002532800	CENTRAL VACUUM UNIT	193	Y	Texaco E & P Inc.	SAN ANDRES D	4850	6 18S 35E	NM	LEA	W-INJ	VACA DRAW	3/4/95	101 FNL 534 FWL
37	3002532791	CENTRAL VACUUM UNIT	197	Y	Texaco E & P Inc.	SAN ANDRES D	4850	6 18S 35E	NM	LEA	Oil	VACA DRAW	2/2/95	717 FNL 1093 FWL
38	3002532804	CENTRAL VACUUM UNIT	199	Y	Texaco E & P Inc.	SAN ANDRES D	4850	6 18S 35E	NM	LEA	W-INJ	VACA DRAW	3/8/95	1372 FNL 584 FWL
39	3002532805	CENTRAL VACUUM UNIT	200	Y	Texaco E & P Inc.	SAN ANDRES D	4850	6 18S 35E	NM	LEA	W-INJ	VACA DRAW	3/18/95	1301 FNL 1875 FWL
40	3002532792	CENTRAL VACUUM UNIT	204	Y	Texaco E & P Inc.	SAN ANDRES D	4850	6 18S 35E	NM	LEA	Oil	VACA DRAW	2/5/95	1994 FNL 1073 FWL
41	3002532808	CENTRAL VACUUM UNIT	206	Y	Texaco E & P Inc.	SAN ANDRES D	4850	6 18S 35E	NM	LEA	W-INJ	VACA DRAW	3/24/95	2509 FNL 536 FWL
42	3002531197	CENTRAL VACUUM UNIT	290	Y	Texaco E & P Inc.	SAN ANDRES D	4850	36 17S 34E SE SW	NM	LEA	Oil	VACA DRAW	5/29/91	670 FSL 2630 FWL
43	3002531195	CENTRAL VACUUM UNIT	291	Y	Texaco E & P Inc.	SAN ANDRES D	4850	36 17S 34E SE SW	NM	LEA	Oil	VACA DRAW	6/19/91	660 FSL 1330 FWL
44	3002534542	CENTRAL VACUUM UNIT	292	Y	Texaco E & P Inc.	SAN ANDRES	4850	36 17S 34E NW SW SW	NM	LEA	Oil	VACUUM	12/19/99	820 FSL 46 FWL
45	3002502376	GULF STATE	1	No data	CACTUS DRILLING CO		4866	12 18S 34E	NM	LEA	DR	VACA DRAW	4/28/57	660 FNL 1980 FWL
46	3002520779	M. E. Hale	11	Y	PHILLIPS PET ET AL		6225	35 17S 34E	NM	LEA	Other	VACA DRAW	1/1/66	1980 FSL 2310 FWL
47	3002520555	New Mexico AC State	8	Y	Texaco E & P Inc.		9025	2 18S 34E	NM	LEA	PA	VACA DRAW	17/64	330 FSL 1980 FEL
48	3002521055	New Mexico AC State	9	Y	Texaco E & P Inc.		9040	2 18S 34E	NM	LEA	PA	VACA DRAW	2/27/64	330 FSL 2100 FWL
49	3002502317	New Mexico AE State	1	Y	Bargo	GRAYBURG-SAN ANDRES	5194	12 18S 34E	NM	LEA	PA	VACA DRAW	2/4/42	660 FNL 660 FWL
50	3002502317	New Mexico AE State	3	Y	Bargo		4855	11 18S 34E	NM	LEA	PA	VACA DRAW	12/18/51	660 FNL 1987 FEL
51	3002520016	New Mexico AE State	4	Y	Bargo	ABO BACK REEF IABO REEF/	8900	12 18S 34E	NM	LEA	Oil	VACA DRAW	12/6/62	2310 FNL 2230 FWL
52	3002520292	New Mexico AE State	8	Y	Bargo		8950	12 18S 34E	NM	LEA	PA	VACA DRAW	5/3/63	2310 FNL 330 FWL
53	3002520165	New Mexico AE State	9	Y	Bargo		10192	12 18S 34E	NM	LEA	Oil	VACA DRAW	5/10/63	990 FNL 1980 FWL
54	3002520023	New Mexico AE State	10	Y	Bargo		8990	12 18S 34E	NM	LEA	PA	VACA DRAW	7/19/63	1980 FNL 990 FWL
55	3002520204	New Mexico AE State	12	Y	Bargo		8950	12 18S 34E	NM	LEA	PA	VACA DRAW	1/1/68	990 FNL 660 FWL
56	3002520310	New Mexico AE State	13	Y	Bargo		8970	11 18S 34E	NM	LEA	PA	VACA DRAW	7/26/63	990 FNL 660 FWL

VGSAU CO2 Injection Area of Review

#	API/IC	Lease Name	Well #	C-108	Operator	Formation At TD	Total Depth	Location	State	County	Status	Field	Spud Date	Footage
57	3002520360	New Mexico AE State	14	Y	Bargo		9050	11 18S 34E	NM	LEA	PA	VACA DRAW	10/14/63	990 FNL 1980 FWL
58	3002520509	New Mexico AE State	16	Y	Bargo		9040	11 18S 34E	NM	LEA	Oil	VACA DRAW	11/14/63	660 FNL 1980 FWL
59	3002520171	New Mexico AE State	19	Y	Bargo		9030	11 18S 34E	NM	LEA	PA		1/1/72	660 FNL 660 FWL
60	3002523961	New Mexico AE State	24	Y	Bargo	ABO /SH/	8900	11 18S 34E	NM	LEA	Oil	VACA DRAW	12/10/71	1850 FNL 550 FEL
61	3002525082	New Mexico AE State	25	Y	Bargo	ABO /SH/	9050	11 18S 34E	NM	LEA	Oil	VACA DRAW	9/2/75	990 FNL 1780 FEL
62	3002528271	New Mexico AE State	26	Y	Bargo	ABO /SH/	8850	12 18S 34E	NM	LEA	Oil	VACA DRAW	8/6/83	2080 FNL 990 FWL
63	3002533114	New Mexico AE State	27	Y	Bargo	ABO /SH/	9000	12 18S 34E	NM	LEA	Oil	WILDCAT	9/10/97	2170 FNL 1650 FWL
64	3002520514	New Mexico L State	6	Y	Texaco E & P Inc.	MISSISSIPPIAN LOWER	12255	1 18S 34E NW NE	NM	LEA	PA	VACA DRAW	2/5/71	770 FNL 2090 FEL
65	3002520937	New Mexico L State	7	Y	Texaco E & P Inc.	PADOOCK	6750	1 18S 34E	NM	LEA	PA	VACA DRAW	5/12/81	760 FNL 560 FEL
66	3002520938	New Mexico L State	8	Y	Texaco E & P Inc.		6800	1 18S 34E	NM	LEA	PA	VACA DRAW	4/18/64	1980 FNL 1865 FEL
67	3002531982	New Mexico L State	12	Y	Texaco E & P Inc.	DRINKARD	9273	1 18S 34E SE NE	NM	LEA	Oil	VACA DRAW	4/21/89	1880 FNL 660 FEL
68	3002532007	New Mexico L State	13	Y	Texaco E & P Inc.	DRINKARD /LM/	7990	1 18S 34E SW NE	NM	LEA	Oil	VACA DRAW	9/16/93	1780 FNL 1980 FEL
69	3002532008	New Mexico L State	14	Y	Texaco E & P Inc.	DRINKARD /LM/	7950	1 18S 34E NW NE	NM	LEA	Oil	VACA DRAW	10/4/93	810 FNL 1980 FEL
70	3002532871	New Mexico L State	16	Y	Texaco E & P Inc.	DRINKARD /LM/	8000	1 18S 34E	NM	LEA	W-INJ	VACA DRAW	3/31/95	1310 FNL 10 FEL
71	3002532872	New Mexico L State	17	Y	Texaco E & P Inc.	DRINKARD /LM/	8100	1 18S 34E	NM	LEA	PA	VACA DRAW	8/11/95	2560 FNL 10 FEL
72	3002533301	New Mexico L State	18	Y	Texaco E & P Inc.		6800	1 18S 34E SE NE NE	NM	LEA	TA	VACUUM	/ /	810 FNL 650 FEL
73	3002520940	New Mexico M State	6	Y	Texaco E & P Inc.		12220	1 18S 34E	NM	LEA	PA	VACA DRAW	3/16/64	460 FNL 1880 FWL
74	3002520494	New Mexico M State	7	Y	Texaco E & P Inc.	DEVONIAN	8100	1 18S 34E SE NW	NM	LEA	Oil	VACA DRAW	4/7/83	1800 FNL 1980 FWL
75	3002532016	New Mexico M State	9	Y	Texaco E & P Inc.	BLINEBRY	12082	1 18S 34E NE NW	NM	LEA	Oil	VACA DRAW	6/21/89	660 FNL 2310 FWL
76	3002520125	New Mexico O State NCT-1	17	Y	Texaco E & P Inc.	DEVONIAN	10300	36 17S 34E	NM	LEA	TAW	VACA DRAW	11/17/94	760 FSL 2080 FWL
77	3002520319	New Mexico O State NCT-1	22	Y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	6794	36 17S 34E	NM	LEA	PA		1/1/72	500 FSL 560 FWL
78	3002520946	New Mexico O State NCT-1	24	Y	Texaco E & P Inc.		8000	36 17S 34E SE	NM	LEA	PA	VACA DRAW	8/1/96	380 FSL 330 FEL
79	3002532271	New Mexico O State NCT-1	34	Y	Texaco E & P Inc.	DRINKARD /LM/	8100	36 17S 34E SW SE	NM	LEA	Oil	VACA DRAW	8/24/96	330 FSL 2210 FWL
80	3002532339	New Mexico O State NCT-1	36	Y	Texaco E & P Inc.	ABO /SH/	6250	2 18S 34E	NM	LEA	PA	VACA DRAW	3/17/65	330 FNL 1650 FEL
81	3002521424	New Mexico R State NCT-2	5	Y	Texaco E & P Inc.		10200	1 18S 34E	NM	LEA	PA	VACA DRAW	2/28/64	487 FSL 560 FEL
82	Unknown	New Mexico R State NCT-3	14	Y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	11964	1 18S 34E SE SE	NM	LEA	Oil	VACA DRAW	6/8/87	860 FSL 660 FEL
83	3002520950	New Mexico R State NCT-3	15	Y	Texaco E & P Inc.	DEVONIAN	8000	1 18S 34E NE SE	NM	LEA	Oil	VACA DRAW	4/1/93	1980 FSL 660 FEL
84	3002529925	New Mexico R State NCT-3	24	Y	Texaco E & P Inc.	DRINKARD /LM/	8100	1 18S 34E	NM	LEA	W-INJ	VACA DRAW	9/22/95	1310 FSL 110 FEL
85	3002531930	New Mexico R State NCT-3	25	Y	Texaco E & P Inc.	DRINKARD /LM/	9000	12 18S 34E	NM	LEA	Oil	VACA DRAW	3/5/63	995 FSL 330 FEL
86	3002532007	New Mexico R State NCT-3	28	Y	Texaco E & P Inc.	Wolfcamp	9025	12 18S 34E	NM	LEA	Oil	VACA DRAW	8/16/81	990 FNL 1648 FEL
87	3002520176	New Mexico State BO	7	Y	EXXON CORPORATION		4800	2 18S 34E NE NW	NM	LEA	Other	VACA DRAW	3/22/83	2630 FNL 1330 FWL
88	3002520530	New Mexico State BO	8	Y			5000	35 17S 34E	NM	LEA	Other	VACA DRAW	7/3/96	2527 FSL 1955 FWL
89	3002529888	New Mexico 2 State NCT-1	1	Y	Texaco E & P Inc.	Wolfcamp	4800	35 17S 34E	NM	LEA	Other	VACA DRAW	2/6/83	2630 FSL 2630 FWL
90	3002528057	State 35	14	Y	PHILLIPS PET ET AL	SAN ANDRES D	4800	35 17S 34E	NM	LEA	Other	VACA DRAW	2/23/83	2630 FSL 1330 FEL
91	3002533416	State 35	15	Y	PHILLIPS PET ET AL	SAN ANDRES D	4800	35 17S 34E	NM	LEA	Other	VACA DRAW	2/6/83	2630 FSL 2630 FWL
92	3002528058	State 35	16	Y	PHILLIPS PET ET AL	Wolfcamp	4800	35 17S 34E	NM	LEA	Other	VACA DRAW	2/23/83	2630 FSL 1330 FEL
93	3002528059	State 35	17	Y	PHILLIPS PET ET AL	Wolfcamp	4800	35 17S 34E	NM	LEA	Other	VACA DRAW	1/29/97	2600 FSL 660 FEL
94	3002533419	State 35	18	Y	PHILLIPS PET ET AL	SAN ANDRES D	5000	35 17S 34E	NM	LEA	Oil	VACA DRAW	1/1/71	1980 FSL 1980 FWL
95	3002502220	State 35	19	Y	PHILLIPS PET ET AL	SAN ANDRES D	4780	35 17S 34E	NM	LEA	Oil	VACA DRAW	8/5/96	1926 FSL 2430 FEL
96	3002533416	State 35	20	Y	PHILLIPS PET ET AL	SAN ANDRES D	5000	35 17S 34E	NM	LEA	Oil	VACA DRAW	4/13/39	1980 FSL 1980 FEL
97	3002502222	State 35	21	Y	PHILLIPS PET ET AL	GRAYBURG-SAN ANDRES	4699	35 17S 34E	NM	LEA	Oil	VACA DRAW	6/24/70	1980 FSL 660 FEL
98	3002502219	State 35	22	Y	PHILLIPS PET ET AL	SAN ANDRES D	4650	35 17S 34E	NM	LEA	Oil	VACA DRAW	3/6/83	1310 FSL 1310 FWL
99	3002528060	State 35	23	Y	PHILLIPS PET ET AL	SAN ANDRES D	4800	35 17S 34E	NM	LEA	Other	VACA DRAW	7/21/89	1225 FSL 2000 FWL
100	3002530614	State 35	24	Y	PHILLIPS PET ET AL	LOVINGTON	4800	35 17S 34E SE SW	NM	LEA	Oil	VACA DRAW	4/5/83	1260 FSL 2630 FEL
101	3002528055	State 35	25	Y	PHILLIPS PET ET AL	SAN ANDRES D	4800	35 17S 34E	NM	LEA	Oil	VACA DRAW	7/8/89	1194 FSL 2040 FEL
102	3002530615	State 35	26	Y	PHILLIPS PET ET AL	SAN ANDRES D	4800	35 17S 34E SW SE	NM	LEA	Oil	VACA DRAW	3/31/83	1360 FSL 1210 FEL
103	3002528056	State 35	27	Y	PHILLIPS PET ET AL	SAN ANDRES D	4830	35 17S 34E	NM	LEA	Oil	VACA DRAW	6/24/96	1170 FSL 660 FEL
104	3002533417	State 35	28	Y	PHILLIPS PET ET AL	SAN ANDRES D	5000	35 17S 34E	NM	LEA	Other	VACA DRAW	2/1/83	1410 FSL 10 FEL
105	3002528061	State 35	29	Y	PHILLIPS PET ET AL	Wolfcamp	4803	35 17S 34E	NM	LEA	Oil	VACA DRAW	1/1/69	560 FSL 1680 FEL
106	3002520782	State 35	30	Y	PHILLIPS PET ET AL		6200	35 17S 34E	NM	LEA	Oil	VACA DRAW	1/1/71	660 FSL 1980 FWL
107	3002508455	State 35	31	Y	PHILLIPS PET ET AL		4780	35 17S 34E	NM	LEA	Oil	VACA DRAW	6/24/89	650 FSL 2630 FWL
108	3002530616	State 35	32	Y	PHILLIPS PET ET AL	LOVINGTON	4800	35 17S 34E SE SW	NM	LEA	Oil	VACA DRAW	12/21/39	660 FSL 1980 FWL
109	3002502223	State 35	33	Y	PHILLIPS PET ET AL	GRAYBURG-SAN ANDRES	4714	35 17S 34E SE	NM	LEA	Oil	VACA DRAW	6/20/89	620 FSL 1250 FEL
110	3002502221	State 35	34	Y	PHILLIPS PET ET AL	LOVINGTON	4800	35 17S 34E SE	NM	LEA	Oil	VACA DRAW	11/2/38	660 FSL 660 FEL
111	3002502221	State 35	35	Y	PHILLIPS PET ET AL	GRAYBURG-SAN ANDRES	4562	35 17S 34E	NM	LEA	Oil	VACA DRAW	10/24/83	660 FSL 960 FEL
112	3002520780	State 35	36	Y	PHILLIPS PET ET AL	Wolfcamp	10400	35 17S 34E	NM	LEA	Other	VACA DRAW	3/20/83	10 FSL 1210 FEL
113	3002528062	State 35	37	Y	PHILLIPS PET ET AL	SAN ANDRES D	4800	35 17S 34E	NM	LEA	Oil	VACA DRAW	2/15/98	1934 FSL 560 FEL
114	3002534277	State 35	38	Y	PHILLIPS PET ET AL	SAN ANDRES D	5000	35 17S 34E NE SE	NM	LEA	Oil	VACA DRAW		

VGSAU CO2 Injection Area of Review

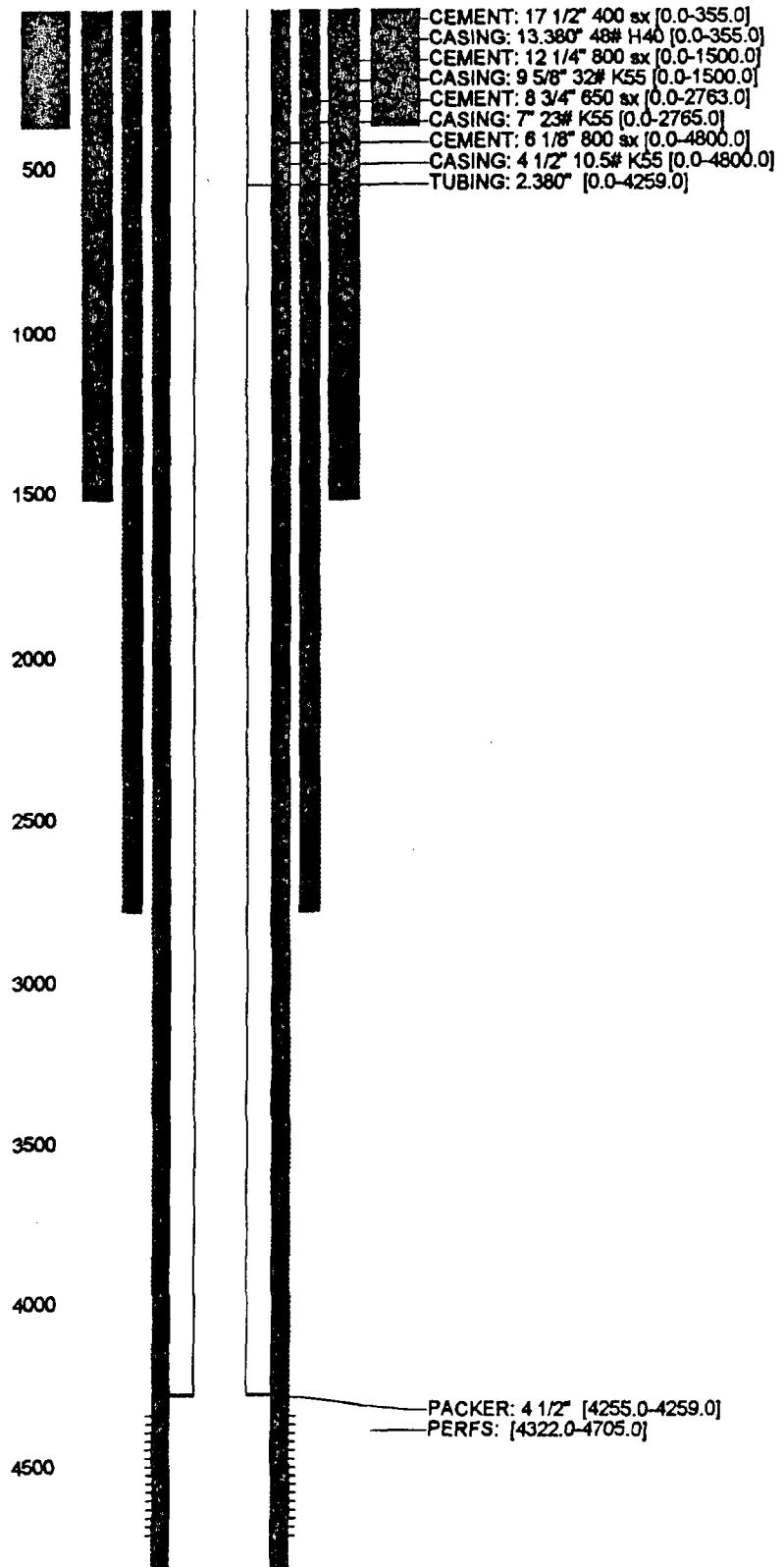
#	API/IC	Lease Name	Well #	C-108	Operator	Formation At TD	Total Depth	Location	State	County	Status	Field	Spud Date	Footage
115	3002532298	STATE D	3	Y	SHELL WESTERN E&P INC	DRINKARD LM/	9049	31 17S 35E SW SW	NM	LEA	OIL	VACA DRAW	11/23/93	330 FSL 695 FWL
116	3002502270	STATE Z NCT-1	5	Y	Texaco E & P Inc		9500	2 18S 34E	NM	LEA	PA	VACA DRAW	7/14/61	660 FNL 1880 FWL
117	3002531872	Vacuum Glorieta West Unit	77	Y	Texaco E & P Inc	PADOOCK	8315	35 17S 34E NE SE	NM	LEA	WINJ	VACA DRAW	6/10/93	2569 FSL 1226 FWL
118	3002520781	Vacuum Glorieta West Unit	83	Y	Texaco E & P Inc	PADOOCK	10500	35 17S 34E	NM	LEA	OIL	VACA DRAW		1980 FSL 1785 FWL
119	3002520778	Vacuum Glorieta West Unit	84	Y	Texaco E & P Inc	PADOOCK	6727	35 17S 34E	NM	LEA	OIL	VACA DRAW	5/25/98	2080 FSL 560 FWL
120	3002531873	Vacuum Glorieta West Unit	91	Y	Texaco E & P Inc	PADOOCK	6315	35 17S 34E NE SE	NM	LEA	WINJ	VACA DRAW	6/19/93	1459 FSL 1048 FWL
121	3002532263	Vacuum Glorieta West Unit	98	Y	Texaco E & P Inc	GLORIETA /SD/	6873	36 17S 34E SE	NM	LEA	OIL	VACA DRAW	6/27/99	937 FSL 532 FWL
122	3002529819	Vacuum Glorieta West Unit	99	Y	Texaco E & P Inc	GLORIETA /SD/	6709	36 17S 34E SW SW	NM	LEA	OIL	VACA DRAW	27/99	990 FSL 990 FWL
123	3002530476	Vacuum Glorieta West Unit	100	Y	Texaco E & P Inc	GLORIETA /SD/	6270	36 17S 34E SE SW	NM	LEA	OIL	VACA DRAW	3/30/89	990 FSL 2310 FWL
124	3002520237	Vacuum Glorieta West Unit	101	Y	Texaco E & P Inc	GLORIETA /SD/	6800	36 17S 34E	NM	LEA	PA	VACA DRAW	11/72	600 FSL 1900 FWL
125	3002530126	Vacuum Glorieta West Unit	102	Y	Texaco E & P Inc	GLORIETA /SD/	6290	36 17S 34E SE SE	NM	LEA	OIL	VACA DRAW	11/6/97	990 FSL 990 FWL
126	3002531858	Vacuum Glorieta West Unit	103	Y	Texaco E & P Inc		6245	36 17S 34E SW SW	NM	LEA	WINJ	VACA DRAW	3/22/93	361 FSL 300 FWL
127	3002531858	Vacuum Glorieta West Unit	104	Y	Texaco E & P Inc	PADOOCK	6231	36 17S 34E SE SW	NM	LEA	WINJ	VACA DRAW	4/24/93	453 FSL 1340 FWL
128	3002531880	Vacuum Glorieta West Unit	105	Y	Texaco E & P Inc	PADOOCK	6280	36 17S 34E SW SE	NM	LEA	WINJ	VACA DRAW	5/5/93	310 FSL 2630 FWL
129	3002531874	Vacuum Glorieta West Unit	106	Y	Texaco E & P Inc	PADOOCK	6390	36 17S 34E SE SE	NM	LEA	WINJ	VACA DRAW	5/14/93	183 FSL 931 FWL
130	3002531884	Vacuum Glorieta West Unit	107	Y	Texaco E & P Inc	PADOOCK	6325	36 17S 34E SE SE	NM	LEA	WINJ	VACA DRAW	5/31/93	213 FSL 351 FWL
131	3002531875	Vacuum Glorieta West Unit	108	Y	Texaco E & P Inc	PADOOCK	6850	2 18S 34E	NM	LEA	PA	VACA DRAW	9/11/64	330 FNL 330 FWL
132	3002521111	Vacuum Glorieta West Unit	111	Y	Texaco E & P Inc	GLORIETA /SD/	12215	1 18S 34E	NM	LEA	PA	VACA DRAW	11/6/68	560 FNL 760 FWL
133	3002520515	Vacuum Glorieta West Unit	112	Y	Texaco E & P Inc		6250	1 18S 34E	NM	LEA	PA	VACA DRAW	7/3/95	330 FNL 1880 FWL
134	3002521107	Vacuum Glorieta West Unit	113	Y	Texaco E & P Inc	GLORIETA /SD/	7471	1 18S 34E NW NE	NM	LEA	OIL	VACA DRAW	11/15/97	280 FNL 2080 FWL
135	3002531132	Vacuum Glorieta West Unit	114	Y	Texaco E & P Inc	GLORIETA /SD/	7459	1 18S 34E NE NE	NM	LEA	OIL	VACA DRAW	12/6/97	604 FNL 856 FWL
136	3002531131	Vacuum Glorieta West Unit	115	Y	Texaco E & P Inc	GLORIETA /SD/	6507	6 18S 35E NW NW NW	NM	LEA	OIL	VACUUM	10/3/99	330 FNL 560 FWL
137	3002520753	Vacuum Glorieta West Unit	116	Y	Texaco E & P Inc	PADOOCK	6321	1 18S 34E NW NE	NM	LEA	WINJ	VACA DRAW	6/30/93	1102 FNL 1575 FWL
138	3002520754	Vacuum Glorieta West Unit	117	Y	Texaco E & P Inc	PADOOCK	6373	1 18S 34E NW NE	NM	LEA	WINJ	VACA DRAW	8/21/93	845 FNL 1061 FWL
139	3002531859	Vacuum Glorieta West Unit	120	Y	Texaco E & P Inc	PADOOCK	6850	6 18S 35E NW NW	NM	LEA	PA	VACA DRAW	10/21/64	1660 FNL 960 FWL
140	3002531876	Vacuum Glorieta West Unit	121	Y	Texaco E & P Inc		6185	1 18S 34E	NM	LEA	PA	VACA DRAW	11/15/99	1660 FNL 380 FWL
141	3002531877	Vacuum Glorieta West Unit	122	Y	Texaco E & P Inc	PADOOCK	6373	1 18S 34E NW NE	NM	LEA	WINJ	VACA DRAW	8/21/93	845 FNL 1061 FWL
142	3002520839	Vacuum Glorieta West Unit	125	Y	Texaco E & P Inc		6185	1 18S 34E	NM	LEA	PA	VACA DRAW	11/15/99	1660 FNL 380 FWL
143	3002521031	Vacuum Glorieta West Unit	126	Y	Texaco E & P Inc		6185	1 18S 34E	NM	LEA	PA	VACA DRAW	11/15/99	1660 FNL 380 FWL
144	3002521952	Vacuum Glorieta West Unit	127	Y	Texaco E & P Inc		6185	1 18S 34E	NM	LEA	PA	VACA DRAW	11/15/99	1660 FNL 380 FWL
145	3002520046	Vacuum Glorieta West Unit	130	Y	Texaco E & P Inc		6185	1 18S 34E	NM	LEA	PA	VACA DRAW	11/15/99	1660 FNL 380 FWL
146	3002532338	Vacuum Glorieta West Unit	133	Y	Texaco E & P Inc	GLORIETA /SD/	6853	36 17S 34E SE SW SE	NM	LEA	PA	VACA DRAW	2/23/92	519 FSL 1835 FWL
147	3002521634	Vacuum Grayburg San Andres Unit	1	Y	Texaco E & P Inc		4740	11 18S 34E	NM	LEA	PA	VACA DRAW	21/11/66	330 FNL 330 FWL
148	3002521421	Vacuum Grayburg San Andres Unit	2	Y	Texaco E & P Inc		4705	12 18S 34E	NM	LEA	PA	VACA DRAW	9/17/65	330 FNL 985 FWL
149	3002502326	Vacuum Grayburg San Andres Unit	3	Y	Texaco E & P Inc		4685	12 18S 34E	NM	LEA	PA	VACA DRAW	6/25/44	330 FNL 2310 FWL
150	3002524332	Vacuum Grayburg San Andres Unit	4	Y	Texaco E & P Inc	SAN ANDRES D	4800	1 18S 34E	NM	LEA	OIL	VACA DRAW	11/773	220 FSL 100 FWL
151	3002524333	Vacuum Grayburg San Andres Unit	5	Y	Texaco E & P Inc	SAN ANDRES D	4800	1 18S 34E	NM	LEA	INJ	VACA DRAW	23/73	210 FSL 1420 FWL
152	3002521420	Vacuum Grayburg San Andres Unit	6	Y	Texaco E & P Inc	GRAYBURG-SAN ANDRES	4695	2 18S 34E	NM	LEA	OIL	VACA DRAW	11/172	990 FSL 990 FWL
153	3002502277	Vacuum Grayburg San Andres Unit	7	Y	Texaco E & P Inc		4710	2 18S 34E	NM	LEA	OIL	VACA DRAW	9/25/51	660 FSL 1987 FWL
154	3002502275	Vacuum Grayburg San Andres Unit	8	Y	Texaco E & P Inc	GRAYBURG-SAN ANDRES	4715	2 18S 34E	NM	LEA	OIL	VACA DRAW	12/23/41	660 FSL 1980 FWL
155	3002502274	Vacuum Grayburg San Andres Unit	9	Y	Texaco E & P Inc	GRAYBURG-SAN ANDRES	4710	2 18S 34E	NM	LEA	OIL	VACA DRAW	11/14/41	660 FSL 660 FWL
156	3002502258	Vacuum Grayburg San Andres Unit	10	Y	Texaco E & P Inc	GRAYBURG-SAN ANDRES	4698	1 18S 34E	NM	LEA	OIL	VACA DRAW	7/18/41	660 FSL 660 FWL
157	3002502257	Vacuum Grayburg San Andres Unit	11	Y	Texaco E & P Inc	GRAYBURG-SAN ANDRES	4698	1 18S 34E	NM	LEA	OIL	VACA DRAW	6/12/41	660 FSL 1980 FWL
158	3002502259	Vacuum Grayburg San Andres Unit	12	Y	Texaco E & P Inc	GRAYBURG-SAN ANDRES	4690	1 18S 34E	NM	LEA	OIL	VACA DRAW	8/31/43	660 FSL 1980 FWL
159	3002502260	Vacuum Grayburg San Andres Unit	13	Y	Texaco E & P Inc	GRAYBURG-SAN ANDRES	4680	1 18S 34E	NM	LEA	OIL	VACA DRAW	10/12/43	660 FSL 660 FWL
160	3002524359	Vacuum Grayburg San Andres Unit	14	Y	Texaco E & P Inc	SAN ANDRES D	4800	2 18S 34E	NM	LEA	OIL	VACA DRAW	31/473	1500 FSL 1500 FWL
161	3002524328	Vacuum Grayburg San Andres Unit	15	Y	Texaco E & P Inc	SAN ANDRES D	4800	2 18S 34E	NM	LEA	INJ	VACA DRAW	12/30/72	1400 FSL 2450 FWL
162	3002524308	Vacuum Grayburg San Andres Unit	16	Y	Texaco E & P Inc	SAN ANDRES D	4800	2 18S 34E	NM	LEA	OIL	VACA DRAW	14/73	1400 FSL 1300 FWL
163	3002524316	Vacuum Grayburg San Andres Unit	17	Y	Texaco E & P Inc	SAN ANDRES D	4800	2 18S 34E	NM	LEA	INJ	VACA DRAW	12/21/72	1400 FSL 10 FWL
164	3002524317	Vacuum Grayburg San Andres Unit	18	Y	Texaco E & P Inc	SAN ANDRES D	4800	1 18S 34E	NM	LEA	OIL	VACA DRAW	12/28/72	1330 FSL 1330 FWL
165	3002524360	Vacuum Grayburg San Andres Unit	19	Y	Texaco E & P Inc	SAN ANDRES D	4735	1 18S 34E	NM	LEA	INJ	VACA DRAW	2/6/73	1310 FSL 2540 FWL
166	3002502273	Vacuum Grayburg San Andres Unit	20	Y	Texaco E & P Inc	GRAYBURG-SAN ANDRES	4800	1 18S 34E	NM	LEA	OIL	VACA DRAW	3/5/73	1330 FSL 1330 FWL
167	3002502276	Vacuum Grayburg San Andres Unit	21	Y	Texaco E & P Inc	GRAYBURG-SAN ANDRES	4700	2 18S 34E	NM	LEA	OIL	VACA DRAW	10/15/44	1990 FSL 660 FWL
168	3002502272	Vacuum Grayburg San Andres Unit	22	Y	Texaco E & P Inc	SAN ANDRES D	4710	2 18S 34E	NM	LEA	OIL	VACA DRAW	12/11/98	1980 FSL 1980 FWL
169	3002502272	Vacuum Grayburg San Andres Unit	23	Y	Texaco E & P Inc	GRAYBURG-SAN ANDRES	4710	2 18S 34E	NM	LEA	OIL	VACA DRAW	10/29/40	1980 FSL 1980 FWL
170	3002502271	Vacuum Grayburg San Andres Unit	24	Y	Texaco E & P Inc	GRAYBURG-SAN ANDRES	4710	2 18S 34E	NM	LEA	OIL	VACA DRAW	8/16/40	1980 FSL 660 FWL
171	3002502256	Vacuum Grayburg San Andres Unit	25	Y	Texaco E & P Inc	GRAYBURG-SAN ANDRES	4710	1 18S 34E	NM	LEA	OIL	VACA DRAW	6/7/40	1980 FSL 1980 FWL
172	3002502255	Vacuum Grayburg San Andres Unit	26	Y	Texaco E & P Inc	GRAYBURG-SAN ANDRES	4710	1 18S 34E	NM	LEA	OIL	VACA DRAW	6/7/40	1980 FSL 1980 FWL

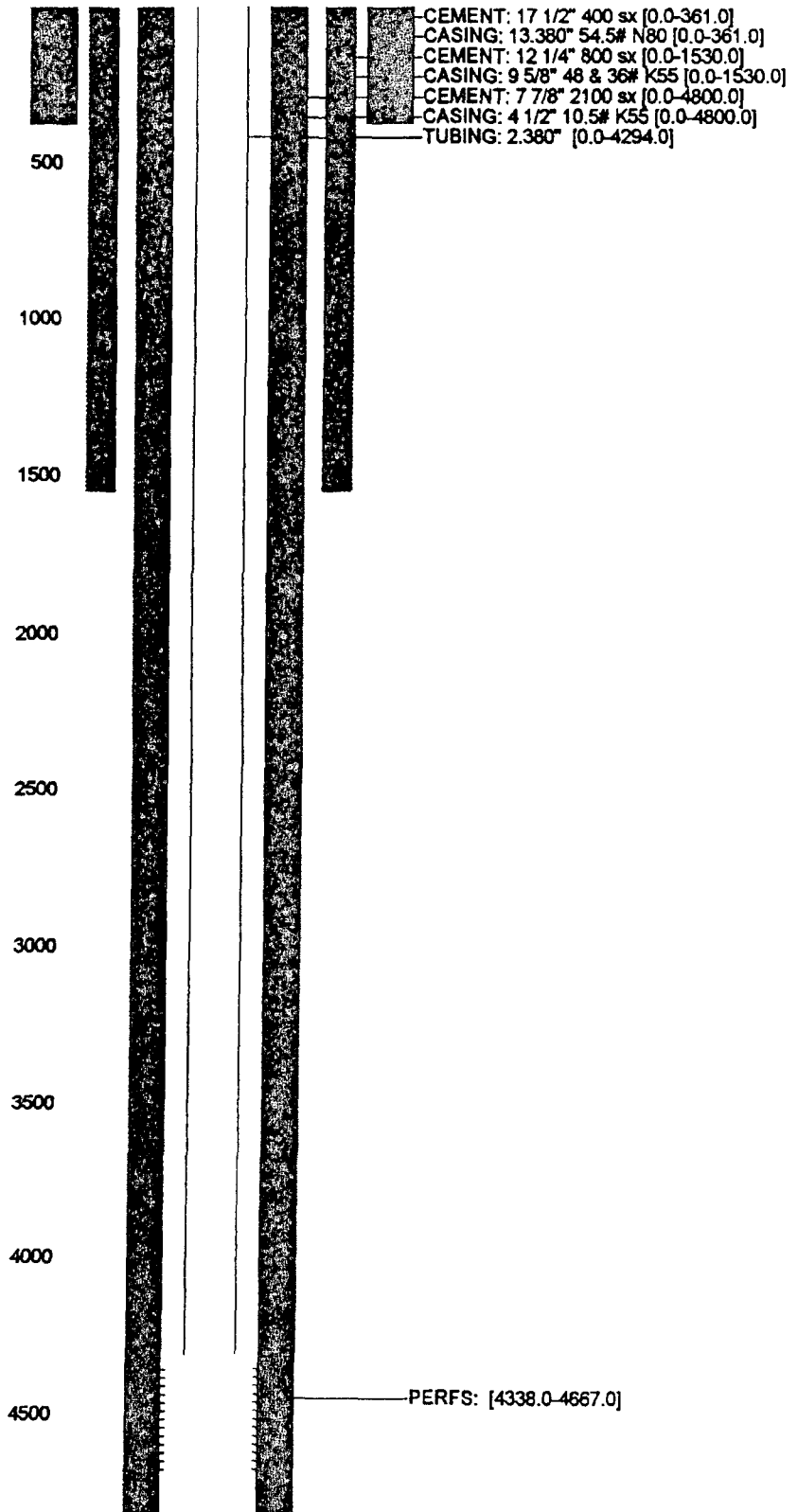
VGSAU CO2 Injection Area of Review

#	API#	Lease Name	Well #	C-108	Operator	Formation At TD	Depth	Location	State	County	Status	Field	Spud Date	Footage
173	3002502254	Vacuum Grayburg San Andres Unit	27	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4710	1 18S 34E	NM	LEA	Oil	VACA DRAW	5/13/40	1980 FSL 1980 FEL
174	3002502253	Vacuum Grayburg San Andres Unit	28	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4710	1 18S 34E	NM	LEA	Oil	VACA DRAW	4/14/40	2310 FSL 330 FEL
175	3002524313	Vacuum Grayburg San Andres Unit	29	y	Texaco E & P Inc.	SAN ANDRES D	4800	2 18S 34E	NM	LEA	INJ	VACA DRAW	12/17/42	2630 FSL 1310 FWL
176	3002524307	Vacuum Grayburg San Andres Unit	30	y	Texaco E & P Inc.	SAN ANDRES D	4800	2 18S 34E	NM	LEA	Oil	VACA DRAW	1/13/73	2630 FSL 2630 FWL
177	3002524314	Vacuum Grayburg San Andres Unit	31	y	Texaco E & P Inc.	SAN ANDRES D	4750	2 18S 34E	NM	LEA	INJ	VACA DRAW	12/67/72	2630 FSL 1330 FEL
178	3002524330	Vacuum Grayburg San Andres Unit	32	y	Texaco E & P Inc.	SAN ANDRES D	4800	1 18S 34E	NM	LEA	Oil	VACA DRAW	18/73	2630 FSL 30 FWL
179	3002524323	Vacuum Grayburg San Andres Unit	33	y	Texaco E & P Inc.	SAN ANDRES D	4800	1 18S 34E	NM	LEA	W-INJW	VACA DRAW	4/18/86	2630 FSL 1310 FWL
180	3002524312	Vacuum Grayburg San Andres Unit	34	y	Texaco E & P Inc.	SAN ANDRES D	4800	1 18S 34E	NM	LEA	Oil	VACA DRAW	12/57/72	2630 FSL 2630 FEL
181	3002524361	Vacuum Grayburg San Andres Unit	35	y	Texaco E & P Inc.	SAN ANDRES D	4800	1 18S 34E	NM	LEA	W-INJW	VACA DRAW	5/20/96	2630 FSL 1330 FEL
182	3002502269	Vacuum Grayburg San Andres Unit	36	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4710	2 18S 34E	NM	LEA	Oil	VACA DRAW	9/29/40	1980 FNL 660 FWL
183	3002502268	Vacuum Grayburg San Andres Unit	37	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4710	2 18S 34E	NM	LEA	Oil	VACA DRAW	9/1/40	1980 FNL 1980 FWL
184	3002502265	Vacuum Grayburg San Andres Unit	38	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4710	2 18S 34E	NM	LEA	Oil	VACA DRAW	8/6/40	1980 FNL 1980 FEL
185	3002502284	Vacuum Grayburg San Andres Unit	39	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4710	2 18S 34E	NM	LEA	Oil	VACA DRAW	7/4/40	1980 FNL 660 FEL
186	3002502252	Vacuum Grayburg San Andres Unit	40	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4710	1 18S 34E	NM	LEA	Oil	VACA DRAW	6/7/40	1980 FNL 660 FWL
187	3002502249	Vacuum Grayburg San Andres Unit	41	y	Texaco E & P Inc.	SAN ANDRES D	4710	1 18S 34E	NM	LEA	Oil	VACA DRAW	4/18/99	1980 FNL 1980 FWL
188	3002502245	Vacuum Grayburg San Andres Unit	42	y	Texaco E & P Inc.	SAN ANDRES D	4690	1 18S 34E	NM	LEA	Oil	VACA DRAW	2/1/83	1980 FNL 1980 FEL
189	3002502247	Vacuum Grayburg San Andres Unit	43	y	Texaco E & P Inc.	SAN ANDRES D	4710	1 18S 34E	NM	LEA	Oil	VACA DRAW	9/30/38	1980 FNL 484 FEL
190	3002524362	Vacuum Grayburg San Andres Unit	44	y	Texaco E & P Inc.	SAN ANDRES D	4800	2 18S 34E	NM	LEA	Oil	VACA DRAW	3/3/73	1330 FNL 1330 FWL
191	3002524363	Vacuum Grayburg San Andres Unit	45	y	Texaco E & P Inc.	SAN ANDRES D	4800	2 18S 34E	NM	LEA	INJ	VACA DRAW	3/24/73	1310 FNL 2530 FWL
192	3002524364	Vacuum Grayburg San Andres Unit	46	y	Texaco E & P Inc.	SAN ANDRES D	4800	2 18S 34E	NM	LEA	W-INJW	VACA DRAW	3/29/86	1405 FNL 1230 FEL
193	3002524365	Vacuum Grayburg San Andres Unit	47	y	Texaco E & P Inc.	SAN ANDRES D	4800	2 18S 34E	NM	LEA	INJ	VACA DRAW	3/24/73	1330 FNL 1330 FWL
194	3002524322	Vacuum Grayburg San Andres Unit	48	y	Texaco E & P Inc.	SAN ANDRES D	4800	1 18S 34E	NM	LEA	Oil	VACA DRAW	2/3/73	1330 FNL 1330 FWL
195	3002524329	Vacuum Grayburg San Andres Unit	49	y	Texaco E & P Inc.	SAN ANDRES D	4800	1 18S 34E	NM	LEA	INJ	VACA DRAW	2/3/73	1330 FNL 2580 FWL
196	3002524366	Vacuum Grayburg San Andres Unit	50	y	Texaco E & P Inc.	SAN ANDRES D	4800	1 18S 34E	NM	LEA	W-INJW	VACA DRAW	4/9/86	1330 FNL 1330 FEL
197	3002502266	Vacuum Grayburg San Andres Unit	51	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4700	2 18S 34E	NM	LEA	Oil	VACA DRAW	4/24/39	660 FNL 660 FWL
198	3002502267	Vacuum Grayburg San Andres Unit	52	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4700	2 18S 34E	NM	LEA	Oil	VACA DRAW	8/7/39	660 FNL 1980 FWL
199	3002502262	Vacuum Grayburg San Andres Unit	53	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4710	2 18S 34E	NM	LEA	Oil	VACA DRAW	10/11/39	660 FNL 1980 FEL
200	3002502250	Vacuum Grayburg San Andres Unit	54	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4710	2 18S 34E	NM	LEA	Oil	VACA DRAW	10/7/39	660 FNL 660 FEL
201	3002502250	Vacuum Grayburg San Andres Unit	55	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4710	1 18S 34E	NM	LEA	Oil	VACA DRAW	10/9/39	660 FNL 660 FWL
202	3002502251	Vacuum Grayburg San Andres Unit	56	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4710	1 18S 34E	NM	LEA	Oil	VACA DRAW	3/17/40	660 FNL 1980 FWL
203	3002502248	Vacuum Grayburg San Andres Unit	57	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4710	1 18S 34E	NM	LEA	Oil	VACA DRAW	1/13/40	660 FNL 1980 FEL
204	3002502246	Vacuum Grayburg San Andres Unit	58	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4710	1 18S 34E	NM	LEA	Oil	VACA DRAW	10/18/38	660 FNL 660 FEL
205	3002526281	Vacuum Grayburg San Andres Unit	59	y	Texaco E & P Inc.	SAN ANDRES D	4800	2 18S 34E	NM	LEA	PA	VACA DRAW	8/1/84	2500 FNL 40 FWL
206	3002526282	Vacuum Grayburg San Andres Unit	60	y	Texaco E & P Inc.	SAN ANDRES D	4800	2 18S 34E	NM	LEA	W-INJ	VACA DRAW	4/3/79	1320 FNL 40 FWL
207	3002527973	Vacuum Grayburg San Andres Unit	62	y	Texaco E & P Inc.	SAN ANDRES D	4800	2 18S 34E	NM	LEA	W-INJ	VACA DRAW	11/30/82	65 FNL 1330 FWL
208	3002527974	Vacuum Grayburg San Andres Unit	63	y	Texaco E & P Inc.	SAN ANDRES D	4800	2 18S 34E	NM	LEA	W-INJ	VACA DRAW	12/3/82	50 FNL 2630 FEL
209	3002502227	Vacuum Grayburg San Andres Unit	64	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4675	35 17S 34E	NM	LEA	Oil	VACA DRAW	3/14/39	660 FSL 660 FWL
210	3002521110	Vacuum Grayburg San Andres Unit	68	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	8800	1 18S 34E	NM	LEA	PA	VACA DRAW	1/1/72	1655 FSL 330 FEL
211	3002530721	Vacuum Grayburg San Andres Unit	122	y	Texaco E & P Inc.	SAN ANDRES D	5000	1 18S 34E SE NE	NM	LEA	Oil	VACA DRAW	3/23/98	1336 FSL 660 FEL
212	3002532026	Vacuum Grayburg San Andres Unit	126	y	Texaco E & P Inc.	SAN ANDRES D	4900	1 18S 34E NW SW	NM	LEA	Oil	VACA DRAW	7/13/93	1980 FSL 1308 FWL
213	3002532027	Vacuum Grayburg San Andres Unit	127	y	Texaco E & P Inc.	SAN ANDRES D	4900	1 18S 34E NE SW	NM	LEA	Oil	VACA DRAW	7/24/93	1980 FSL 2625 FWL
214	3002532028	Vacuum Grayburg San Andres Unit	128	y	Texaco E & P Inc.	SAN ANDRES D	4900	1 18S 34E NE SE	NM	LEA	Oil	VACA DRAW	6/15/95	1980 FSL 1220 FEL
215	3002530754	Vacuum Grayburg San Andres Unit	138	y	Texaco E & P Inc.	SAN ANDRES D	5000	2 18S 34E	NM	LEA	Oil	VACA DRAW	8/9/95	1980 FNL 2563 FWL
216	3002530755	Vacuum Grayburg San Andres Unit	139	y	Texaco E & P Inc.	SAN ANDRES D	5000	2 18S 34E SE NE	NM	LEA	Oil	VACA DRAW	12/2/84	1980 FNL 1282 FEL
217	3002530756	Vacuum Grayburg San Andres Unit	140	y	Texaco E & P Inc.	SAN ANDRES D	5000	2 18S 34E SE NE	NM	LEA	Oil	VACA DRAW	6/23/95	1980 FNL 10 FEL
218	3002530797	Vacuum Grayburg San Andres Unit	141	y	Texaco E & P Inc.	SAN ANDRES D	5000	1 18S 34E SW NW	NM	LEA	Oil	VACA DRAW	4/7/90	1980 FNL 1309 FWL
219	3002530843	Vacuum Grayburg San Andres Unit	142	y	Texaco E & P Inc.	SAN ANDRES D	6004	1 18S 34E SE NW	NM	LEA	Oil	VACA DRAW	9/6/90	1980 FNL 2628 FWL
220	3002530844	Vacuum Grayburg San Andres Unit	143	y	Texaco E & P Inc.	SAN ANDRES D	5000	1 18S 34E SE NW	NM	LEA	Oil	VACA DRAW	8/21/90	1980 FNL 1250 FEL
221	3002530846	Vacuum Grayburg San Andres Unit	146	y	Texaco E & P Inc.	SAN ANDRES D	5000	2 18S 34E SE NE	NM	LEA	Oil	VACA DRAW	8/12/93	1324 FNL 1980 FEL
222	3002530798	Vacuum Grayburg San Andres Unit	147	y	Texaco E & P Inc.	SAN ANDRES D	4900	1 18S 34E SE NE	NM	LEA	W-INJ	VACA DRAW	8/21/93	1360 FNL 660 FEL
223	3002530799	Vacuum Grayburg San Andres Unit	148	y	Texaco E & P Inc.	SAN ANDRES D	5000	1 18S 34E SW NW	NM	LEA	Oil	VACA DRAW	5/14/90	1330 FNL 660 FWL
224	3002530847	Vacuum Grayburg San Andres Unit	149	y	Texaco E & P Inc.	SAN ANDRES D	5000	1 18S 34E SE NW	NM	LEA	Oil	VACA DRAW	9/21/90	1330 FNL 1980 FWL
225	3002530917	Vacuum Grayburg San Andres Unit	150	y	Texaco E & P Inc.	SAN ANDRES D	5000	1 18S 34E SW NE	NM	LEA	Oil	VACA DRAW	8/2/90	1350 FNL 1980 FEL
226	3002530803	Vacuum Grayburg San Andres Unit	152	y	Texaco E & P Inc.	SAN ANDRES D	5000	2 18S 34E NW NW	NM	LEA	Oil	VACA DRAW	3/28/90	660 FNL 1310 FWL
227	3002530802	Vacuum Grayburg San Andres Unit	153	y	Texaco E & P Inc.	SAN ANDRES D	5000	2 18S 34E NE NW	NM	LEA	Oil	VACA DRAW	4/19/90	660 FNL 2630 FWL
228	3002530801	Vacuum Grayburg San Andres Unit	154	y	Texaco E & P Inc.	SAN ANDRES D	5000	2 18S 34E NW NE	NM	LEA	Oil	VACA DRAW	4/27/90	660 FNL 1331 FEL
229	3002530800	Vacuum Grayburg San Andres Unit	155	y	Texaco E & P Inc.	SAN ANDRES D	5000	2 18S 34E NE NE	NM	LEA	Oil	VACA DRAW	5/6/90	660 FNL 10 FEL
230	3002530851	Vacuum Grayburg San Andres Unit	156	y	Texaco E & P Inc.	SAN ANDRES D	5000	1 18S 34E NE NW	NM	LEA	Oil	VACA DRAW	10/9/90	660 FNL 1330 FWL

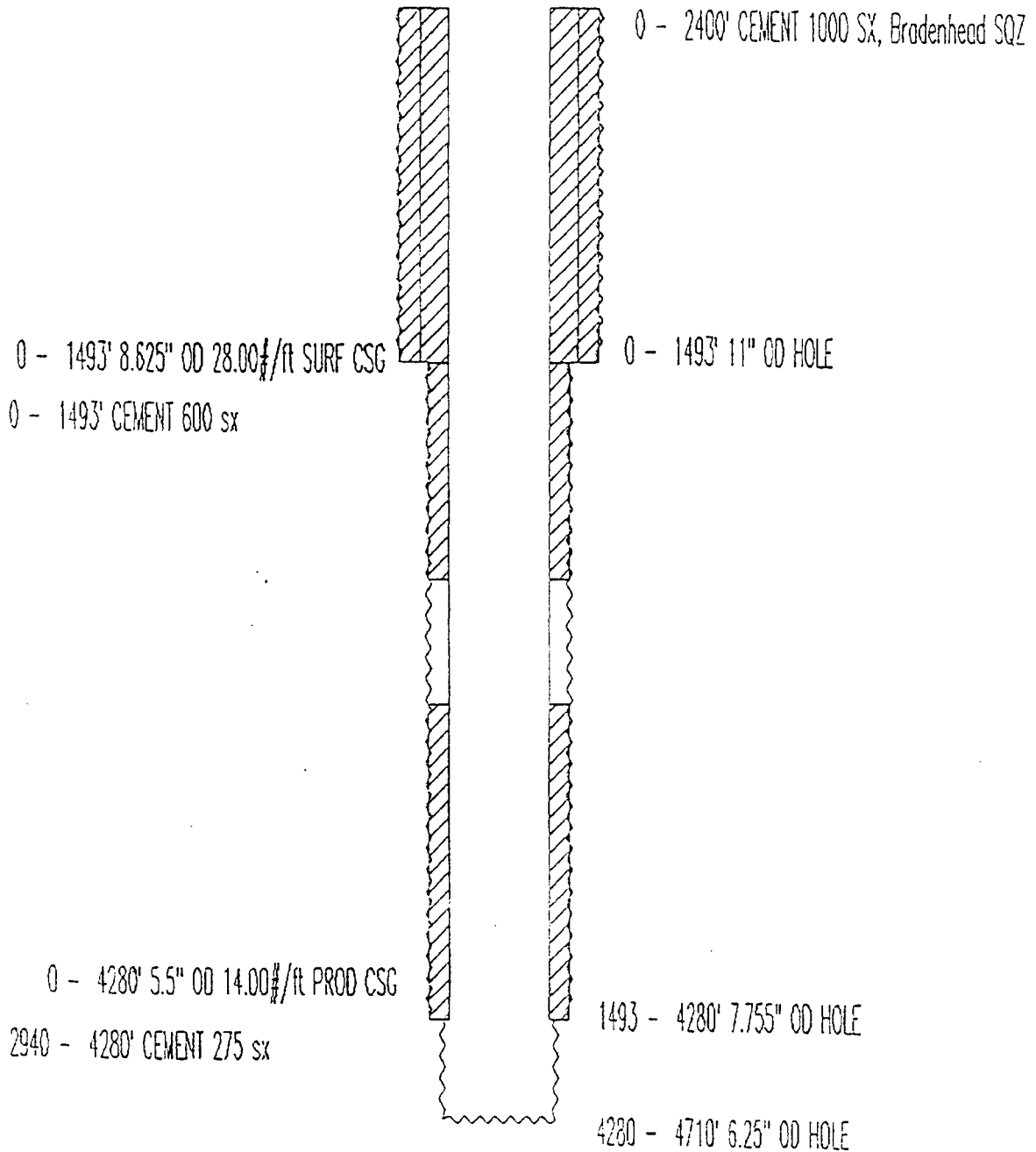
VGSAU CO2 Injection Area of Review

#	API/C	Lease Name	Well #	C-108	Operator	Formation At TD	Total Depth	Location	State	County	Status	Field	Spud Date	Footage
231	3002530717	Vacuum Grayburg San Andres Unit	157	y	Texaco E & P Inc.	SAN ANDRES D	5000	1 18S 34E NE NW	NM	LEA	Oil	VACA DRAW	6/27/90	710 FNL 2530 FWL
232	3002530718	Vacuum Grayburg San Andres Unit	158	y	Texaco E & P Inc.	SAN ANDRES D	5000	1 18S 34E NW NE	NM	LEA	Oil	VACA DRAW	6/11/90	660 FNL 1330 FEL
233	3002533464	Vacuum Grayburg San Andres Unit	159	y	Texaco E & P Inc.	SAN ANDRES D	4850	1 18S 34E	NM	LEA	Oil	VACA DRAW	6/16/96	907 FNL 350 FEL
234	3002532004	Vacuum Grayburg San Andres Unit	212	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	8900	1 18S 34E SW SE	NM	LEA	Oil	VACA DRAW	9/5/97	660 FSL 1650 FEL
235	3002531983	Vacuum Grayburg San Andres Unit	227	y	Texaco E & P Inc.	DRINKARD A/M	8000	1 18S 34E NW SE	NM	LEA	Oil	VACA DRAW	3/31/99	1980 FSL 1755 FEL
236	3002532009	Vacuum Grayburg San Andres Unit	258	y	Texaco E & P Inc.	SAN ANDRES D	7950	1 18S 34E NE NE	NM	LEA	Oil	VACA DRAW	5/3/99	860 FNL 510 FEL
237	3002503083	WARN STATE AC-2	9	y	MARATHON OIL COMPANY	ABO /SH/	8771	6 18S 35E SW SW	NM	LEA	Oil	VACA DRAW	3/30/93	330 FSL 913 FWL
238	3002520031	WARN STATE AC-2	11	y	MARATHON OIL COMPANY	ABO /SH/	8793	6 18S 35E NW SW	NM	LEA	Oil	VACA DRAW	10/6/92	1650 FSL 910 FWL
239	3002531934	WARN STATE AC-2	20	y	MARATHON OIL COMPANY	ABO /SH/	8166	6 18S 35E NW NW	NM	LEA	Oil	VACA DRAW	5/15/93	2160 FNL 910 FWL
240	3002532034	WARN STATE AC-2	22	y	MARATHON OIL COMPANY	ABO /SH/	8138	6 18S 35E NW NW	NM	LEA	Oil	VACA DRAW	7/15/93	1219 FNL 890 FWL
241	3002532189	WARN STATE AC-2	24	y	MARATHON OIL COMPANY	ABO /SH/	8170	6 18S 35E SW SW	NM	LEA	Oil	VACA DRAW	8/26/93	990 FSL 400 FWL
242	3002533139	WARN STATE AC-2	25	y	MARATHON OIL COMPANY	ABO /SH/	8150	6 18S 35E	NM	LEA	W-INJ	VACA DRAW	1/13/98	113 FNL 1429 FWL
243	3002533541	WARN STATE AC-2	26	y	MARATHON OIL COMPANY	MORROW LOWER	11500	6 18S 35E	NM	LEA	Oil	VACA DRAW	9/16/98	2180 FNL 400 FWL
244	3002502280	West Vacuum Unit	50	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4822		NM	LEA	W-INJ	VACA DRAW		2310 FSL 410 FEL





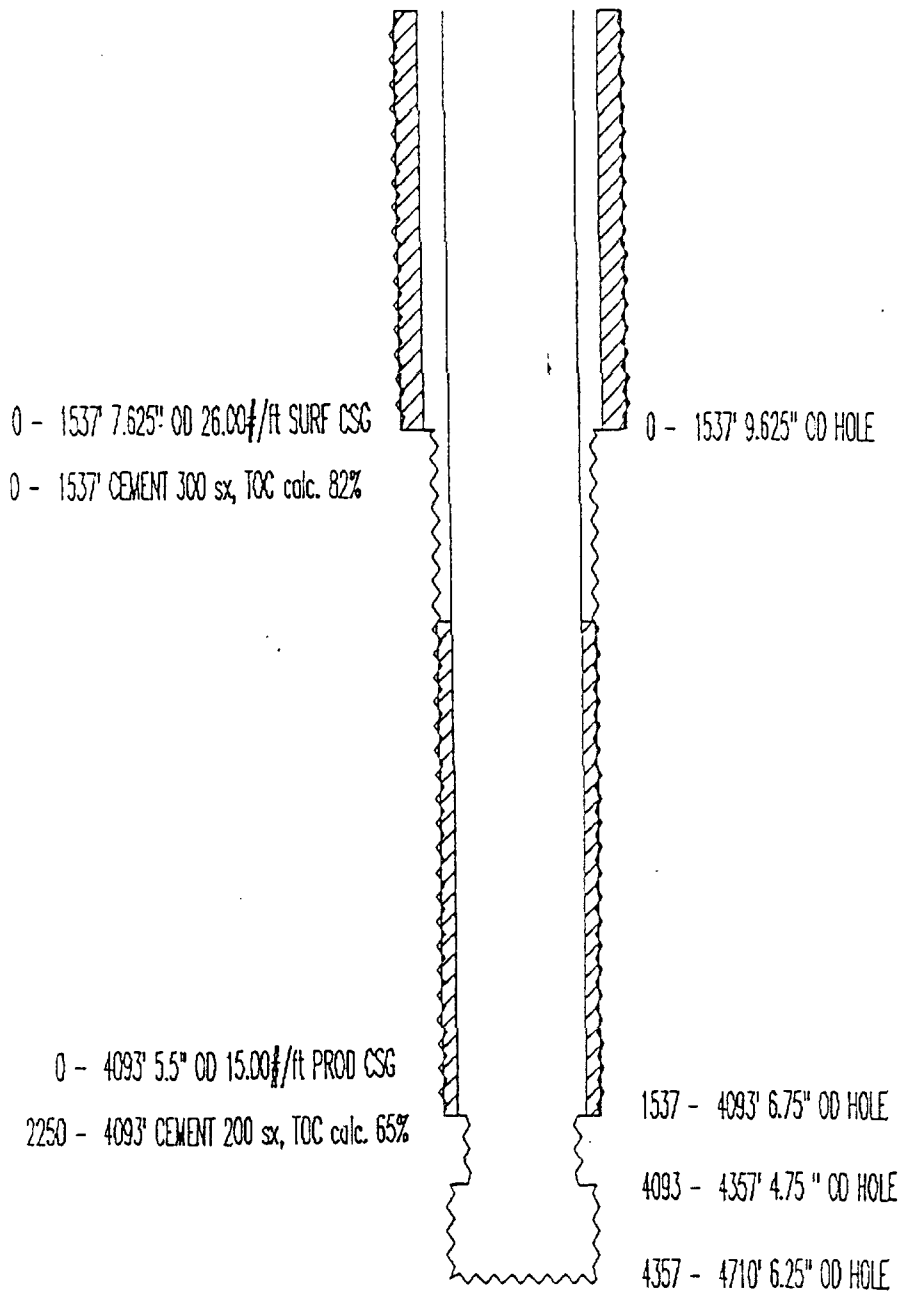
TEXACO
CENTRAL VACUUM UNIT No. 88
API# 30025203390000



660 FSL & 660 FHL
SEC 31, T4N 17 S, RANGE 35 E
ELEVATION: 3992 GL
COMPLETION DATE: 08-16-38

COMPLETION INTERVAL: 4280 - 4710 (GESA)
Former Shell "D" State No. 2

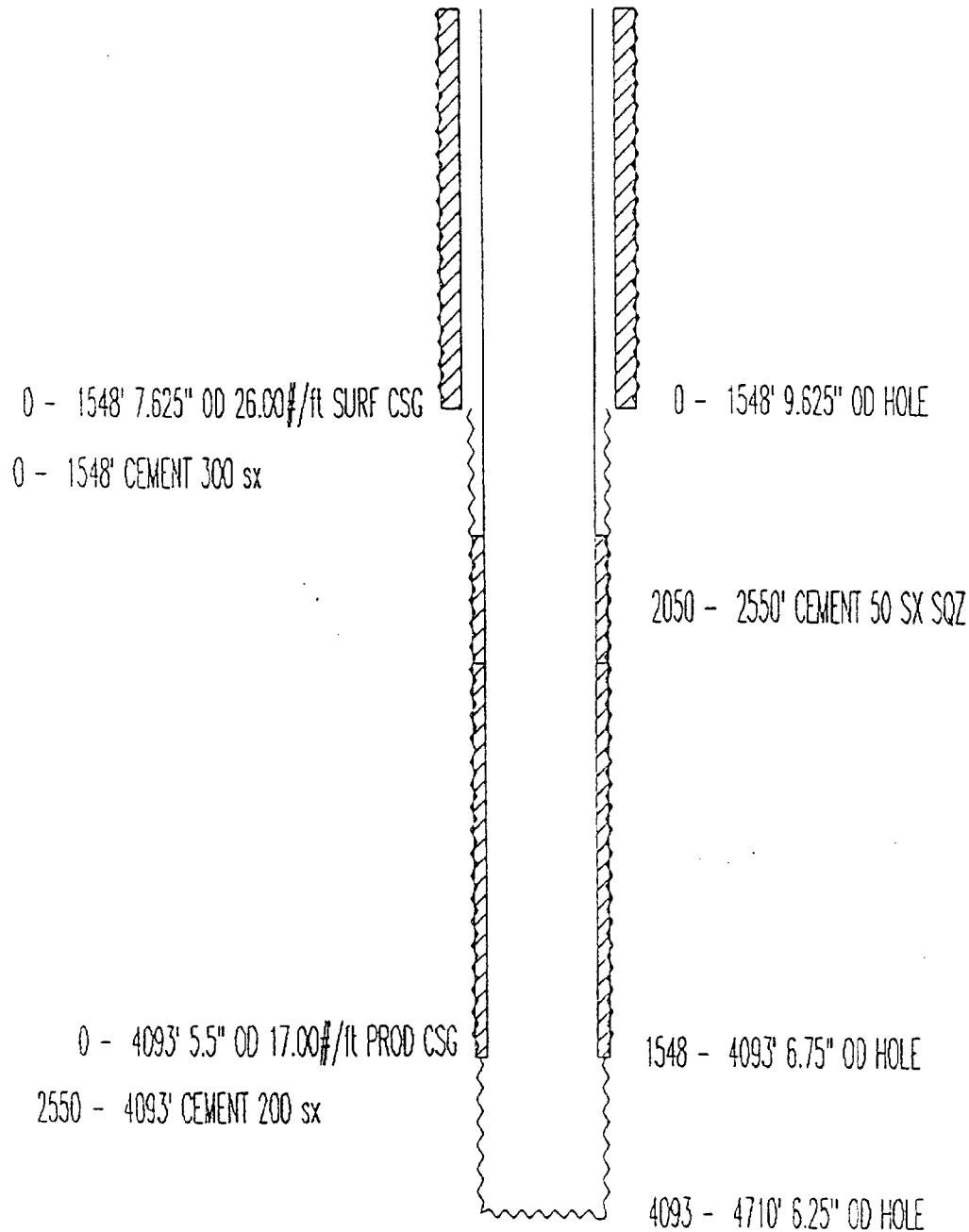
TEXACO INC
CENTRAL VACUUM UNIT No. 89
API# 30025022410000



660 FSL & 660 FEL
SEC 36 , T11N 17 S, RANGE 34 E
ELEVATION: 3996 ES
COMPLETION DATE: 09-27-38

COMPLETION INTERVAL: 4099 - 4710 (CBSA)
Former Texaco NM "O" State NCT-1 #7

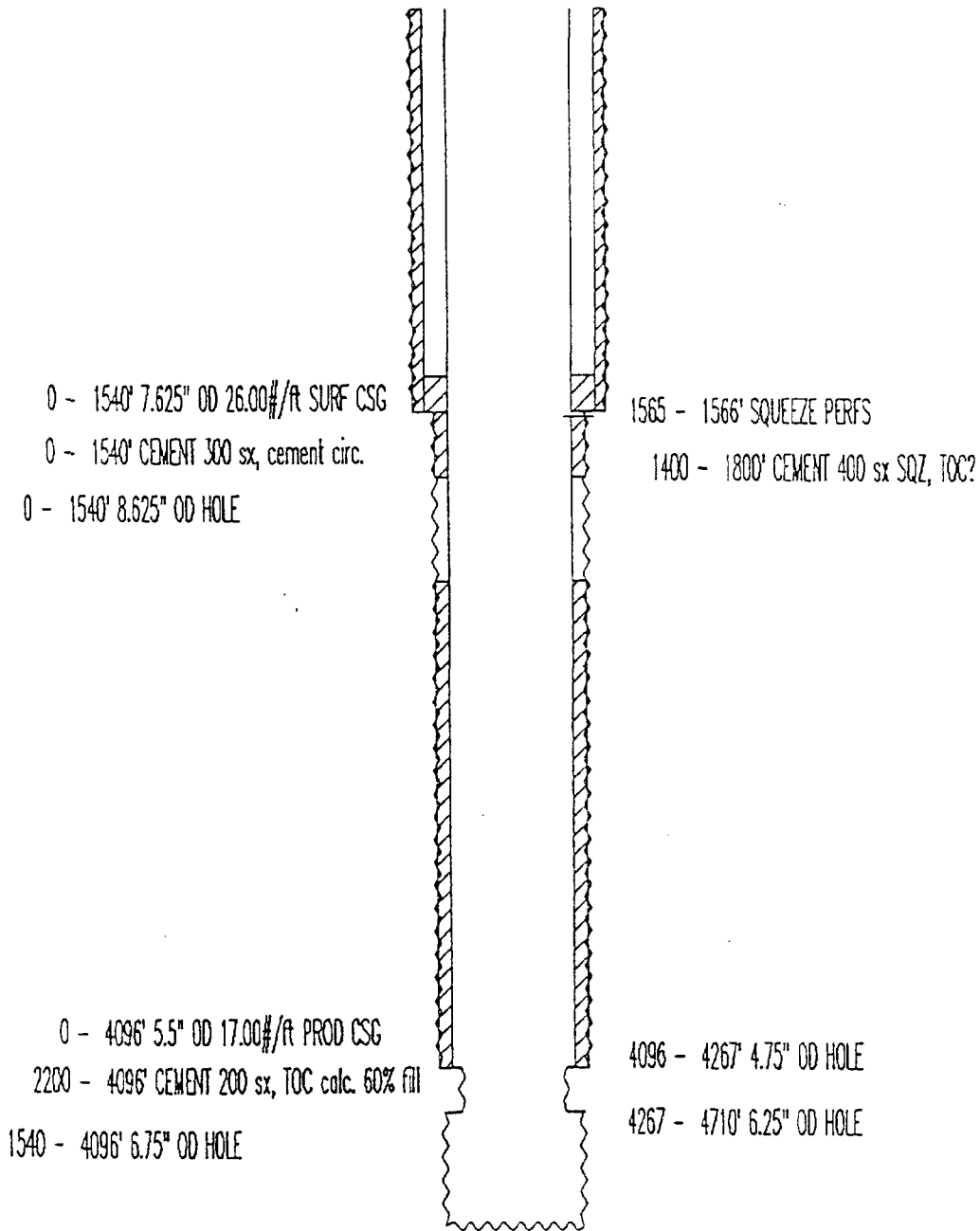
TEXACO INC
CENTRAL VACUUM UNIT No. 90
API# 3002502244



660 FSL & 1980 FEL
SEC 36, T1N 17 S, RANGE 34 E
ELEVATION: 3991 ES
COMPLETION DATE: 11-19-39

COMPLETION INTERVAL: 4093 - 4710 (GBSA)
Former Texaco NW "O" State NCT-1 #10

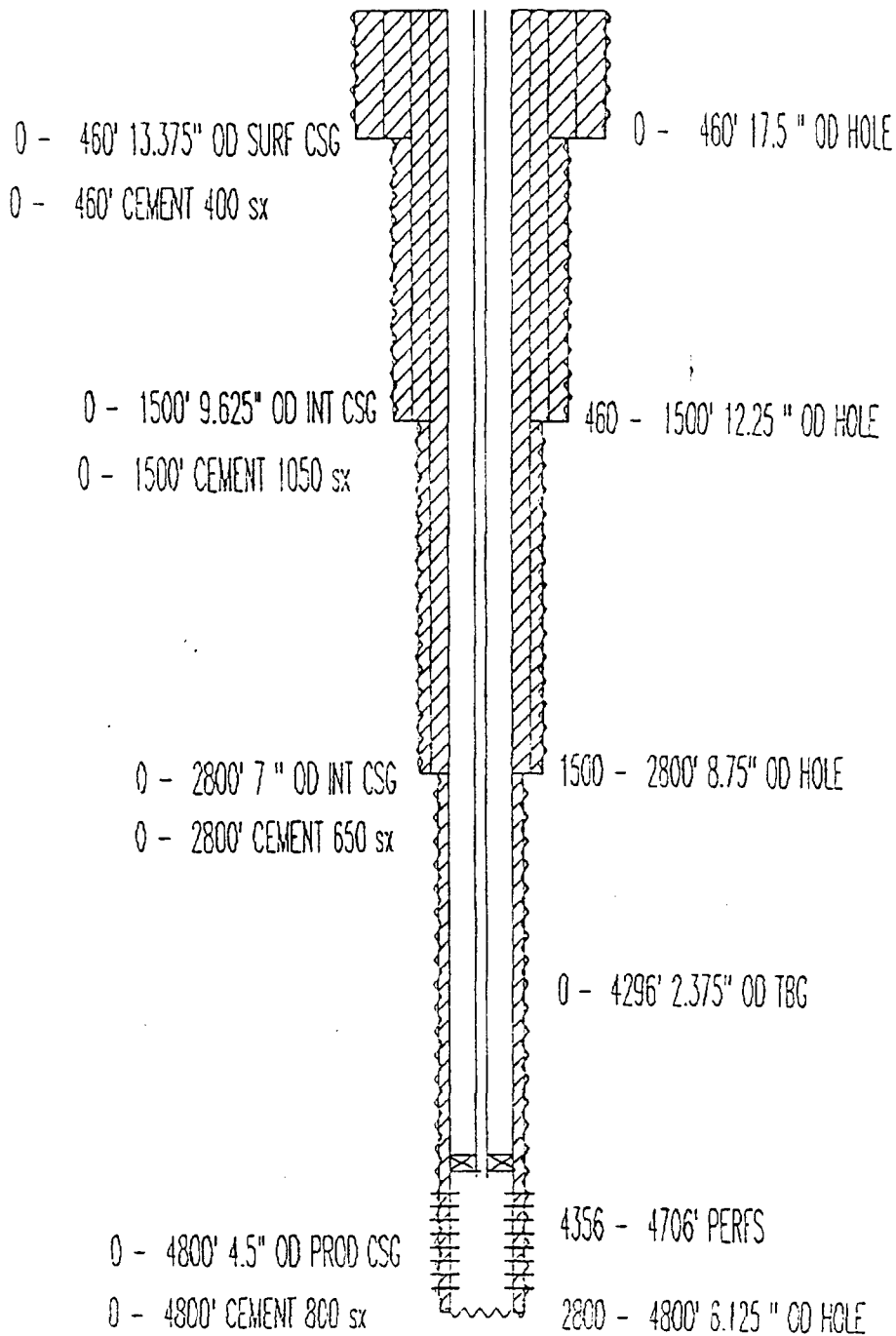
TEXACO E&P INC
CENTRAL VACUUM UNIT No. 92
API# 30 025 02242



660 FSL & 660 FWL
SEC 36 , T1N 17 S, RANGE 34 E
ELEVATION: 3991 GL
COMPLETION DATE: 10-04-36

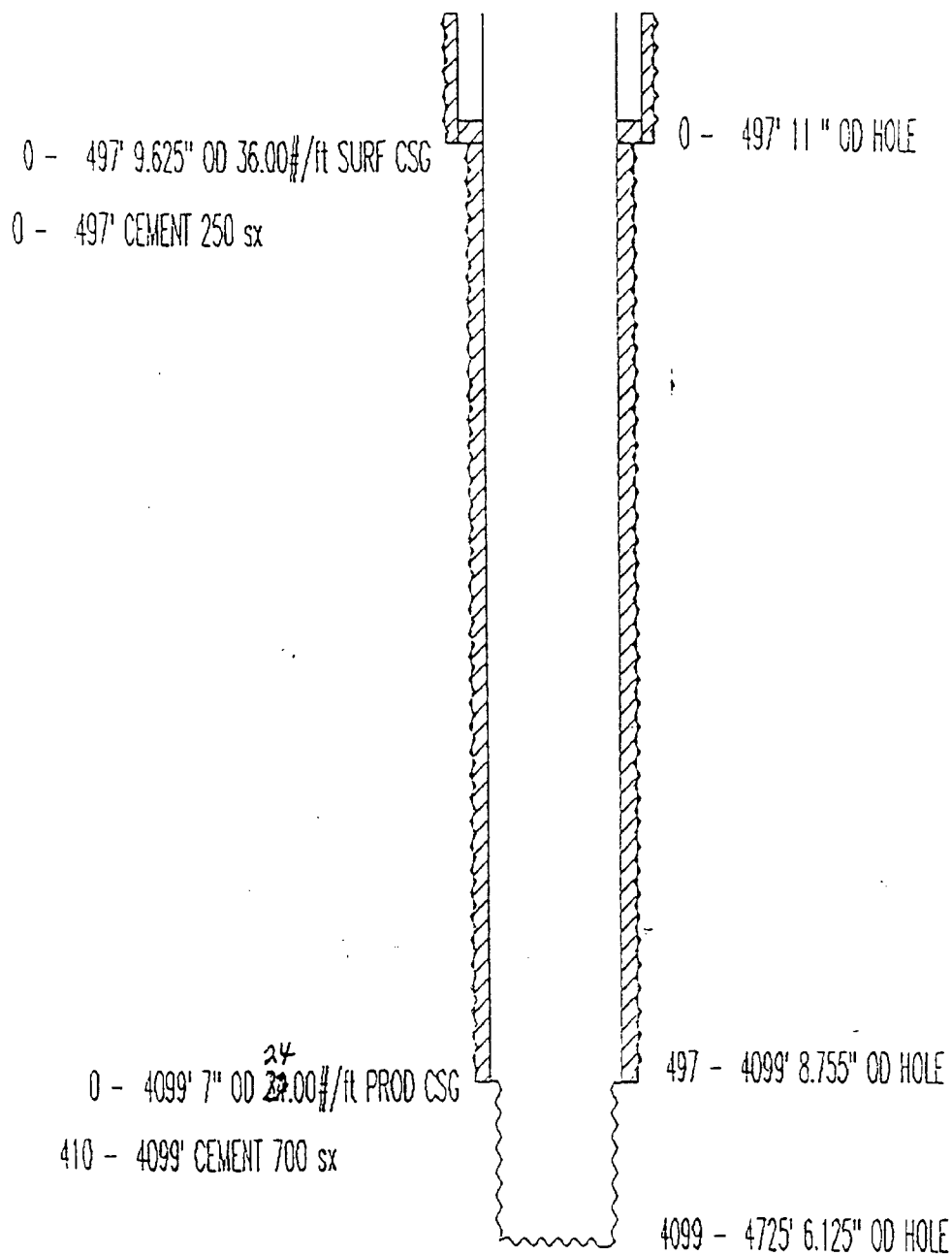
COMPLETION INTERVAL: 4096 - 4710 (GESA)
Former Texaco NW "O" State NCT-1 / 8

HEAD OFF HW
CENTRAL VACUUM U NO. 93 WTW
API# 30025257330000



10 FSL & 1136 FWL
SEC 31, T4N 17 S, RANGE 35 E
ELEVATION: 3982 GR
COMPLETION DATE: 05-02-79

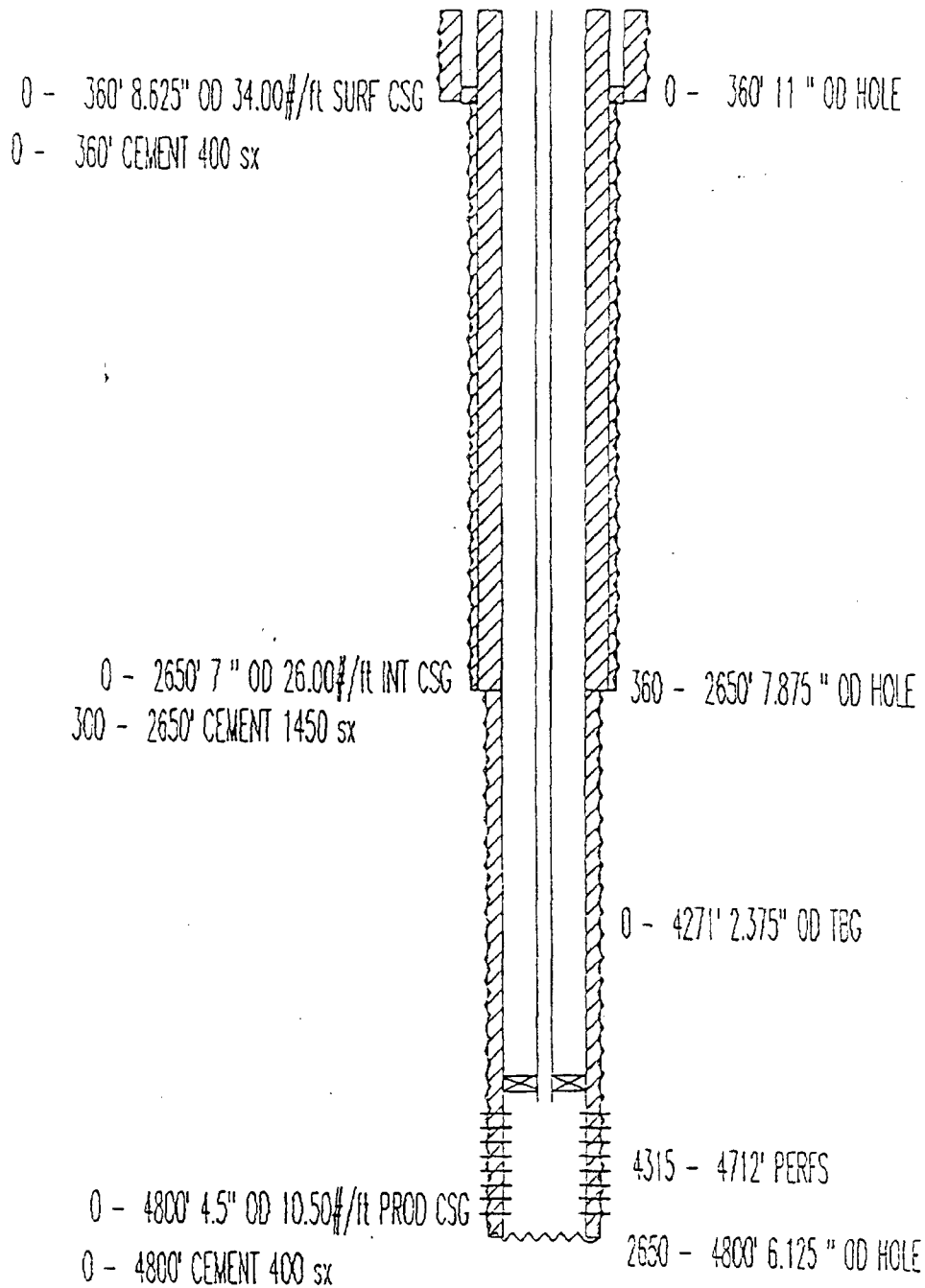
TEXACO EXPL. INC.
CENTRAL VACUUM UNIT No. 97
API# 30 025 03076



660 FNL & 1810 FNL
SEC 6, TWN 18 S, RANGE 35 E
ELEVATION: 3588 ES
COMPLETION DATE: 11-11-38

COMPLETION INTERVAL: 4099 - 4725 (GCSA)
Former Marathon Main State A/C-2 f2

TEXACO E&P INC
CENTRAL VACUUM U NO. 99 WW
API# 30025257100000



1408 FNL & 1211 FNL
SEC 6, T4N 18 S, RANGE 35 E
ELEVATION: 3981 CR
COMPLETION DATE: 02-12-73

LEASO EXPLOR
CENTRAL VACUUM UNIT No. 104
API# 3002503078

0 - 942' CEMENT 450 SX

0 - 480' 9.625" OD 19.50#/ft SURF CSG

0 - 480' CEMENT 200 sx

0 - 480' 11" OD HOLE

1980 FNL & 1728 FNL

SEC 6, T4N 18 S, RANGE 35 E

ELEVATION: 3977 GR

COMPLETION DATE: 10-11-39

COMPLETION INTERVAL: 4110 - 4650 ()

IP: 1080 BOPD, 500 MCFD, 0 BWPD (FLOWING)

Former Warm State A/C-2 #4

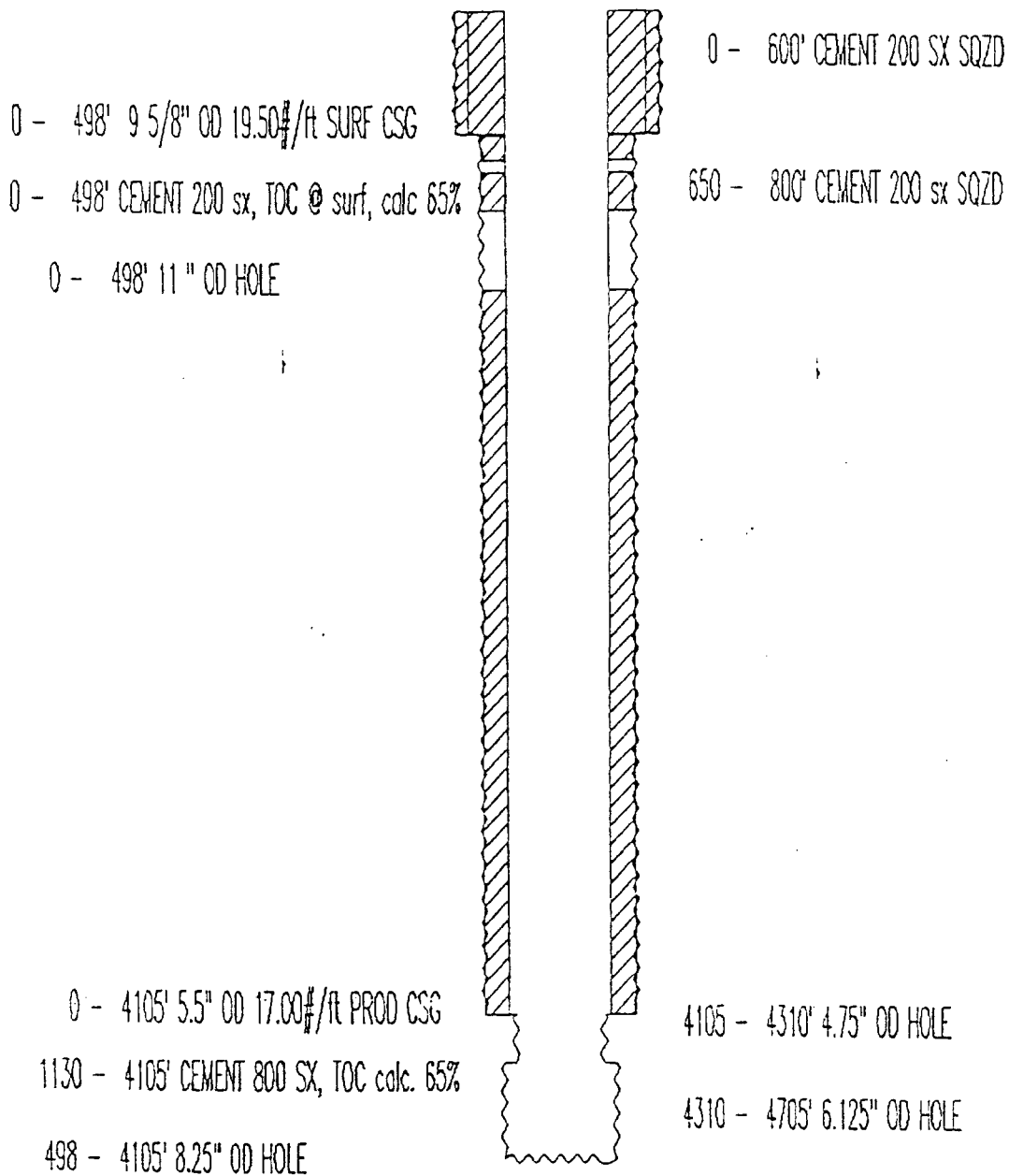
0 - 4085' 5.5" OD 17.00#/ft PROD CSG

1015 - 4085' CEMENT 800 sx

480 - 4085' 8.25" OD HOLE

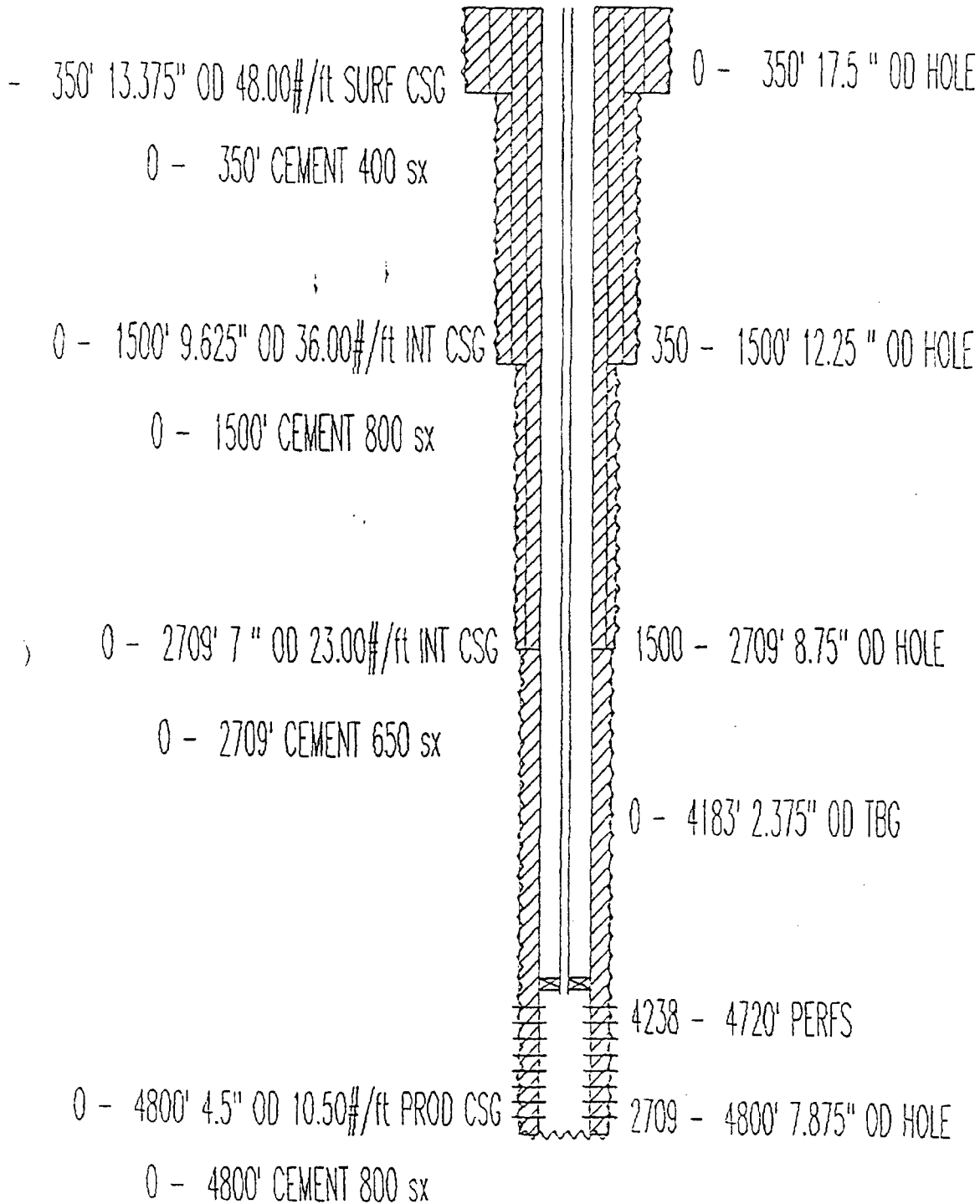
4085 - 4717' 4.75" OD HOLE

TEACU EXP INC
CENTRAL VACUUM UNIT No. 105
API# 3002503077



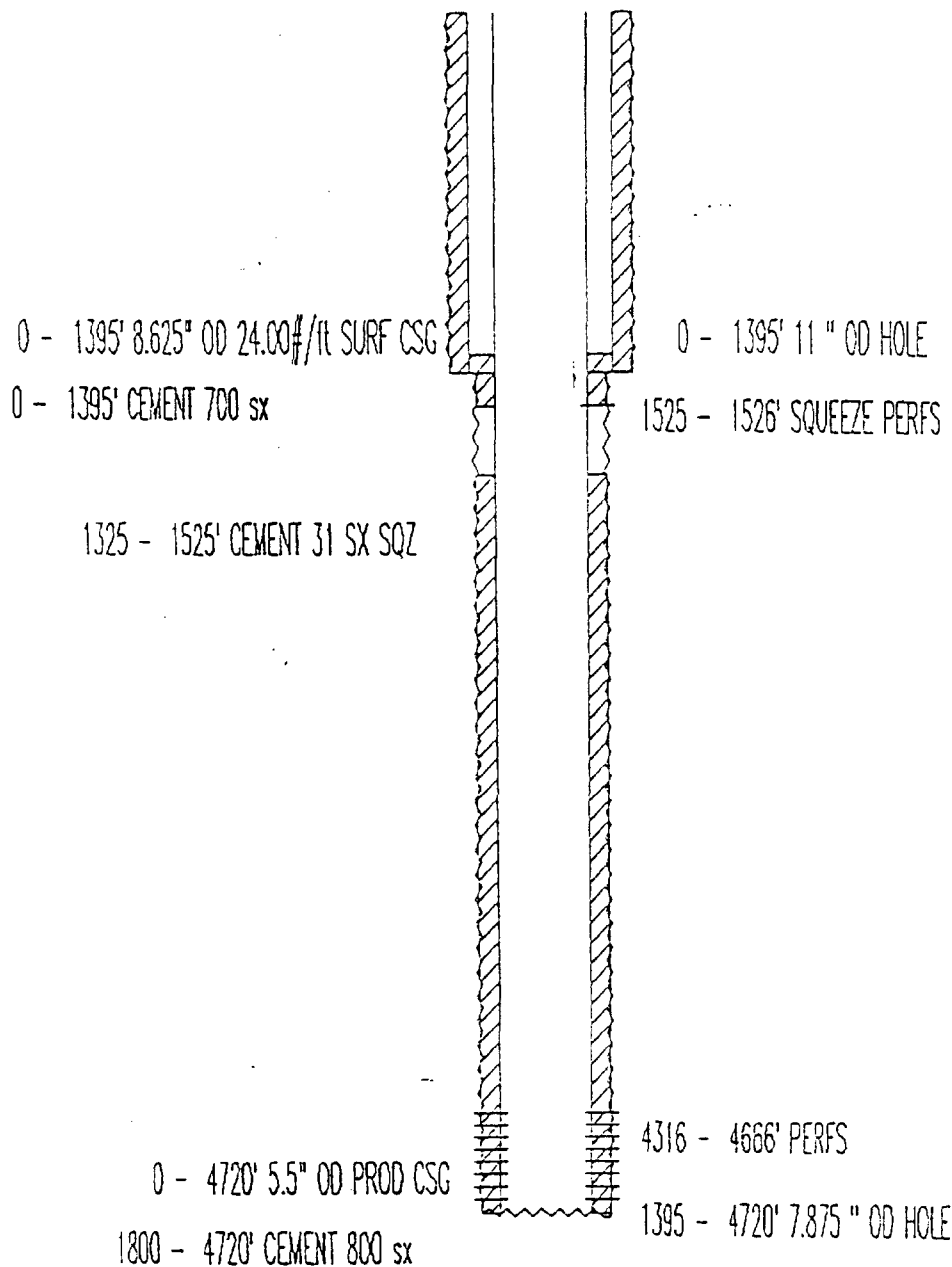
1980 FNL & 484 FNL
SEC 6, T11N 18 S, RANGE 35 E
ELEVATION: 3981 ES
COMPLETION DATE: 09-12-39
COMPLETION INTERVAL: 4105 - 4705 (C8SA)
FORMER WYOM STATE A/C-2 73

TEXACO INC
CENTRAL VACUUM U NO. WI-106
API# 3002525796



2520 FNL & 1040 FNL
SEC 6, T4N 18 S, RANGE 35 E
ELEVATION: 3972 GR
COMPLETION DATE: 02-28-78

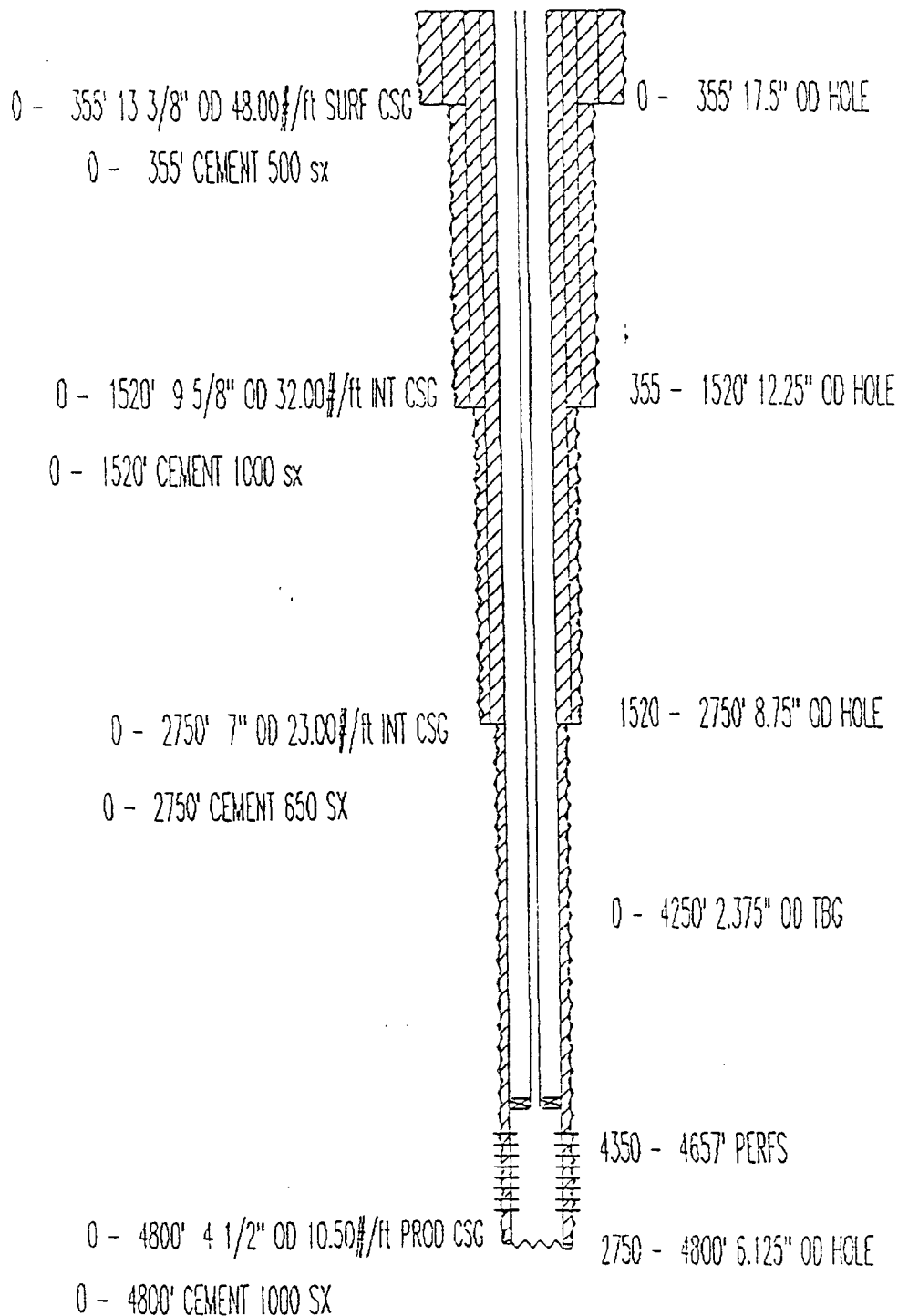
LEACU EXP INC.
CENTRAL VACUUM U. No. 111
API# 3002524754



2310 FSL & 1750 FWL
SEC 6, T14N 18 S, RANGE 35 E
ELEVATION: 3979 GR
COMPLETION DATE: 06-07-74

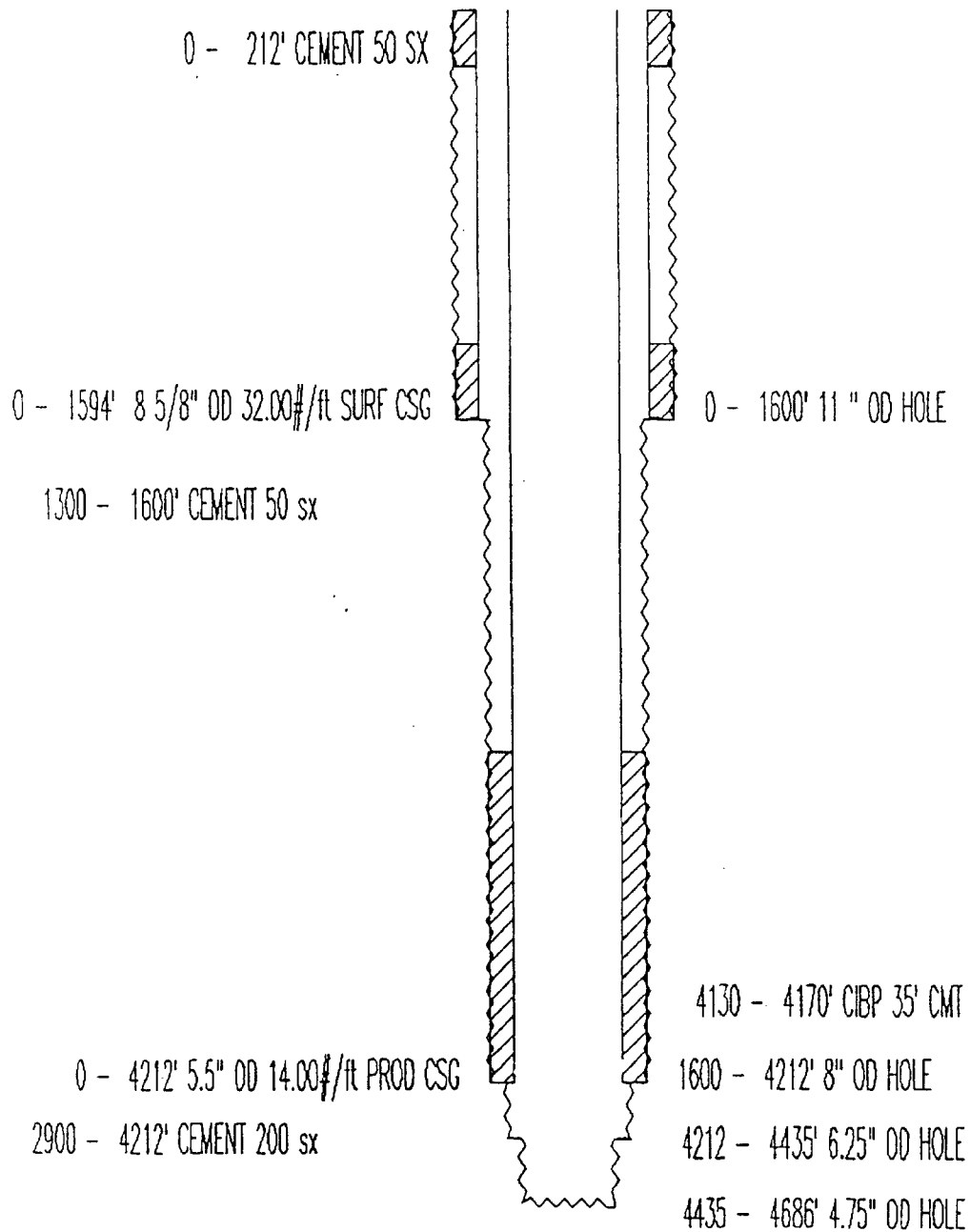
COMPLETION INTERVAL: 4447 - 4604 (SADR)
Former Marathon Worn State A/C-2 #17

TEXACO INC
CENTRAL VACUUM U. No. 113 WNW
API# 300252528



1620 FSL & 1100 F#1
SEC 6, T4N 18 S, RANGE 35 E
ELEVATION: 3983 GR
COMPLETION DATE: 08-01-79

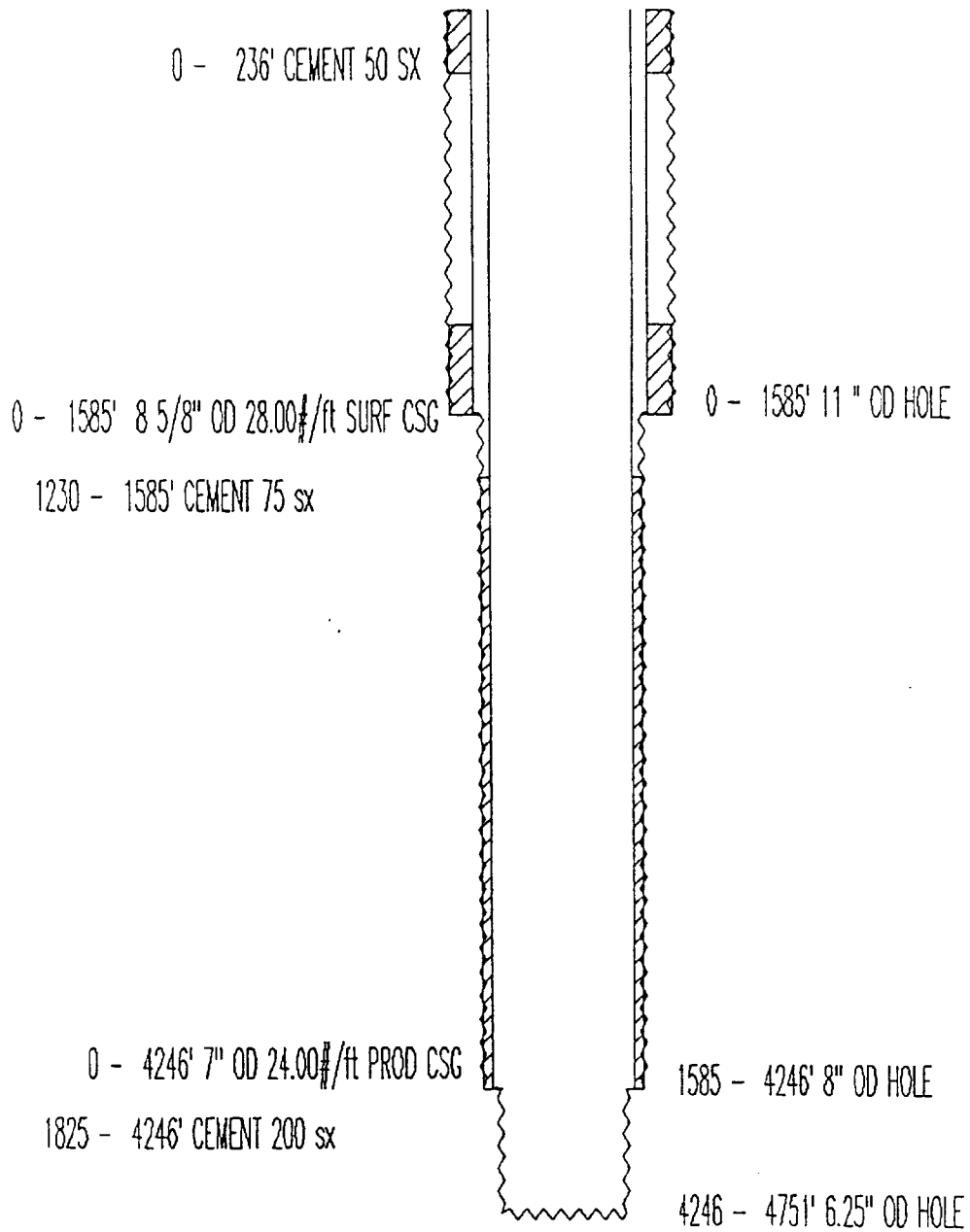
TEXACO E&P INC.
CENTRAL VACUUM UNIT No. 127
API# 30025023230000



330 FNL & 1980 FEL
SEC 12, TWN 18 S, RANGE 34 E
ELEVATION: 3989 ES
COMPLETION DATE: 08-15-44

COMPLETION INTERVAL: 4212 - 4686 ()
Former Sohio Humble-State No. 1

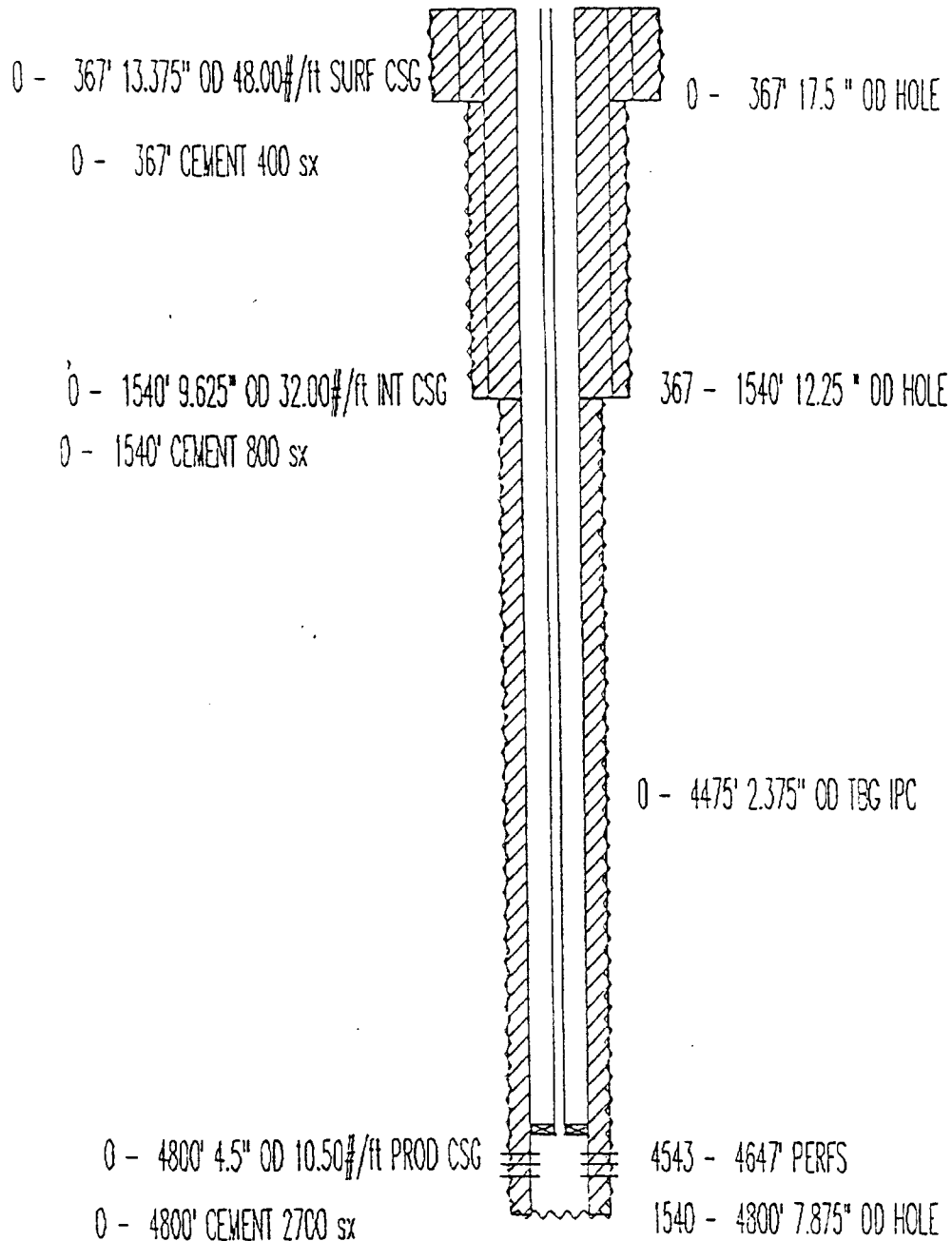
TEXACO E&P INC.
CENTRAL VACUUM UNIT No. 126
API# 3002502324



330 FNL & 990 FEL
SEC 12, T11N 18 S, RANGE 34 E
ELEVATION: 3988 ES
COMPLETION DATE: 11-11-44

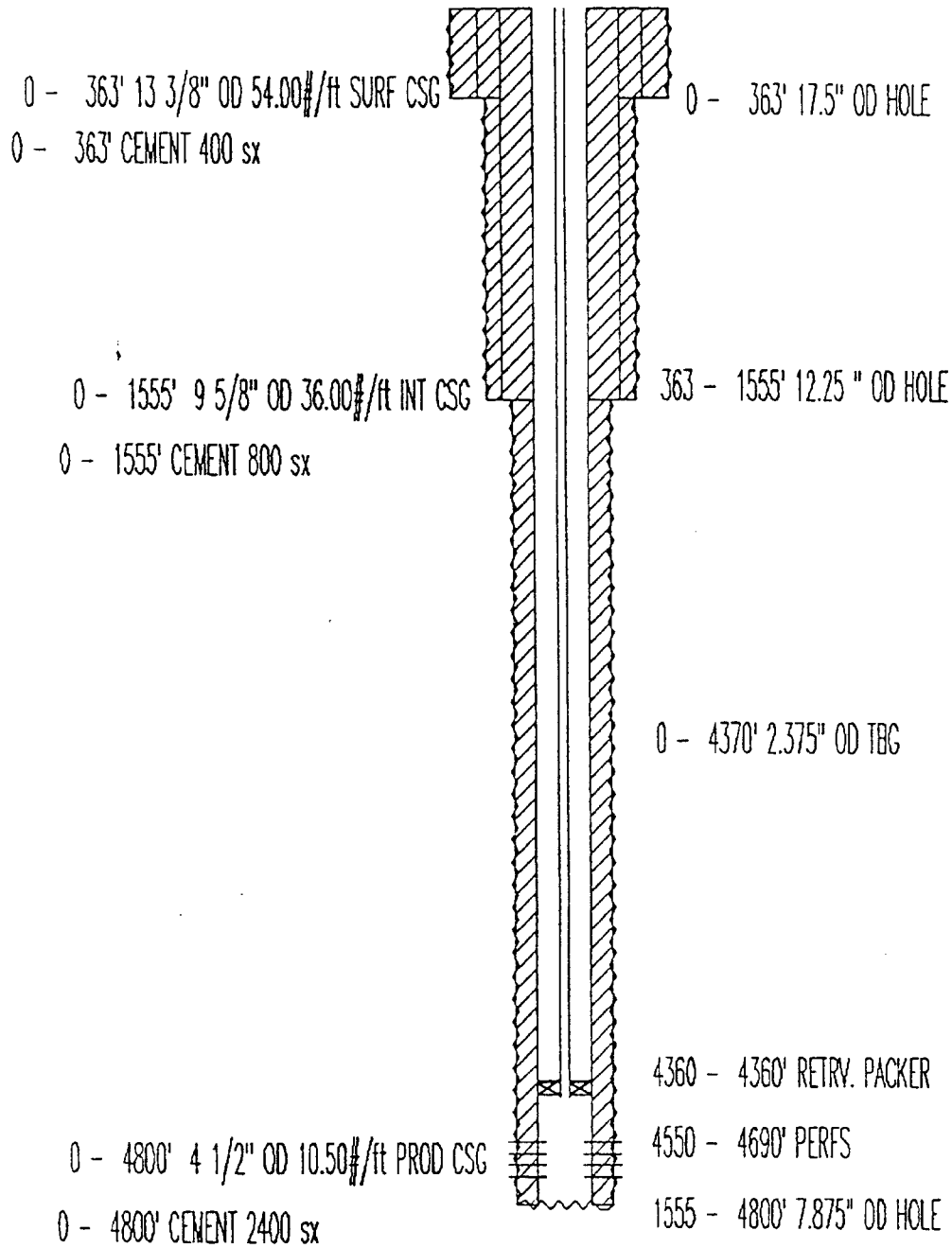
COMPLETION INTERVAL: 4246 - 4751 (GBSA)
Former Sohio Humble-Slate No. 2

TEACO INC
CENTRAL VACUUM U NO. 133 WIW
API# 30025259940000



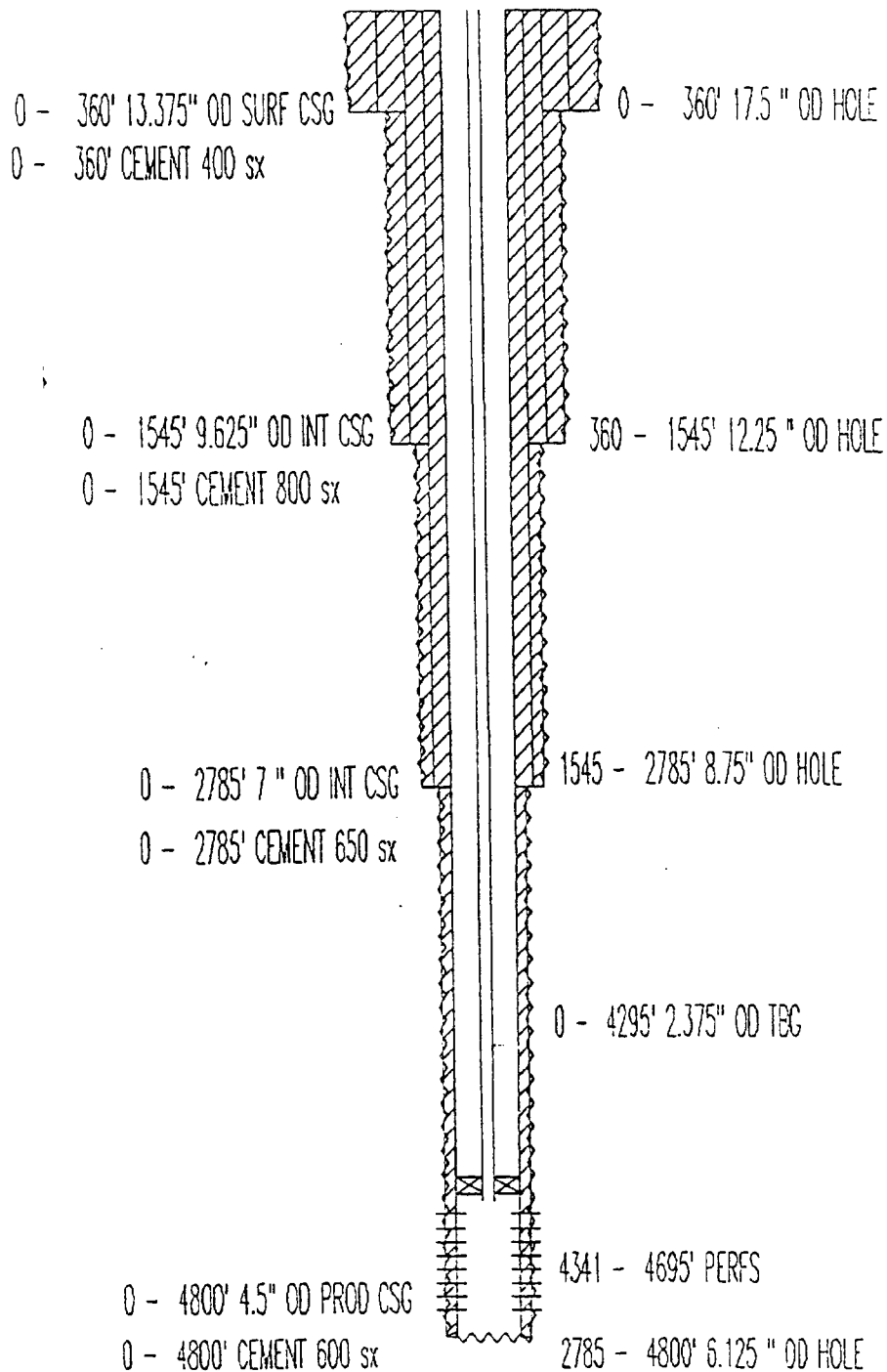
10 FNL & 1550 FEL
SEC 12, T4N 18 S, RANGE 34 E
ELEVATION: 3984 GR
COMPLETION DATE: 10-04-78

TEXACO E&P INC
CENTRAL VACUUM U NO. 134 WIW
API# 30025259950000



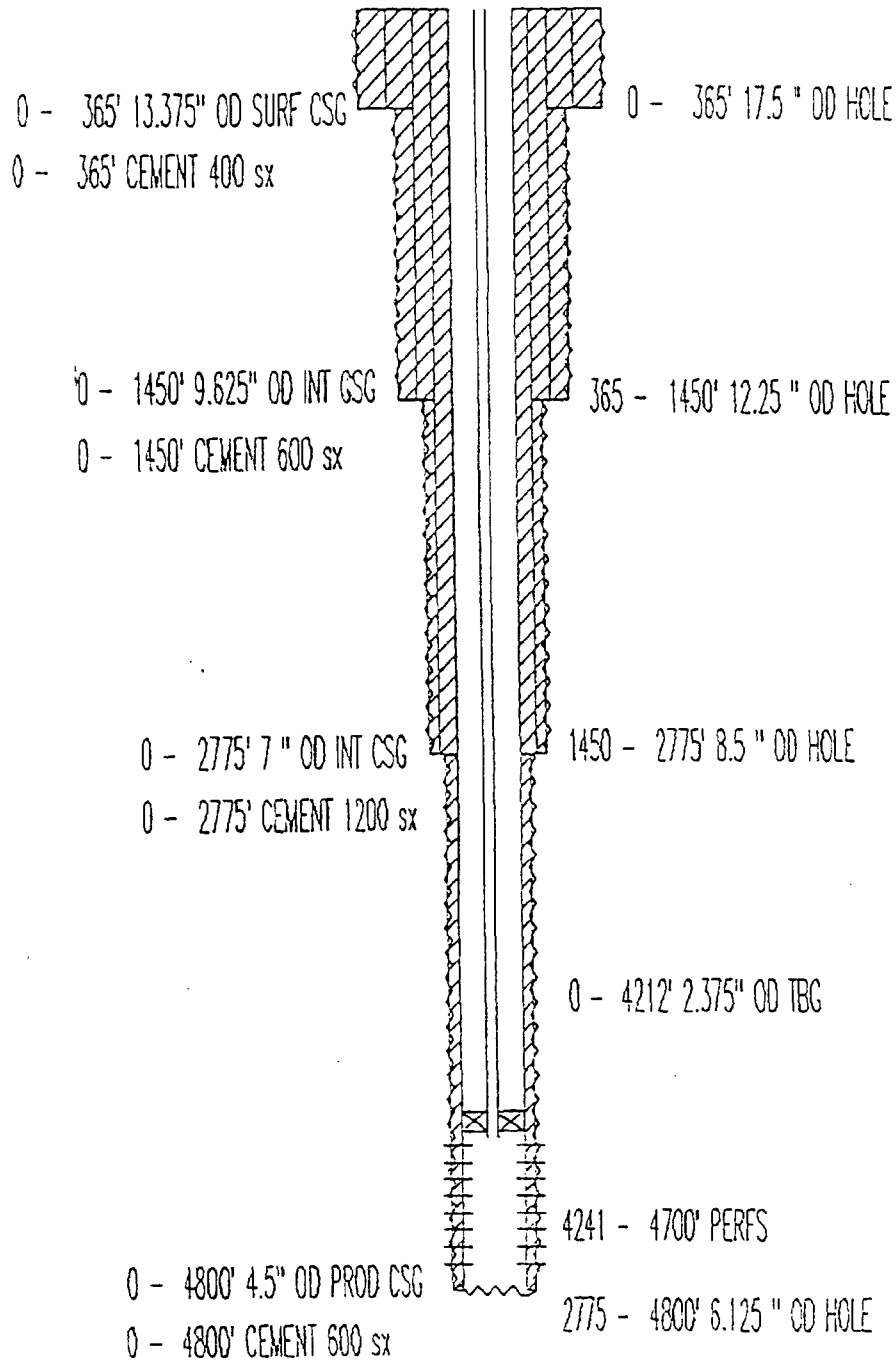
40 FNL & 40 FNL
SEC 7, T14N 18 S, RANGE 35 E
ELEVATION: 3982 GR
COMPLETION DATE: 12-15-78

TEARLO EXT INC
CENTRAL VACUUM U NO. 135 WIW
API# 30025259960000



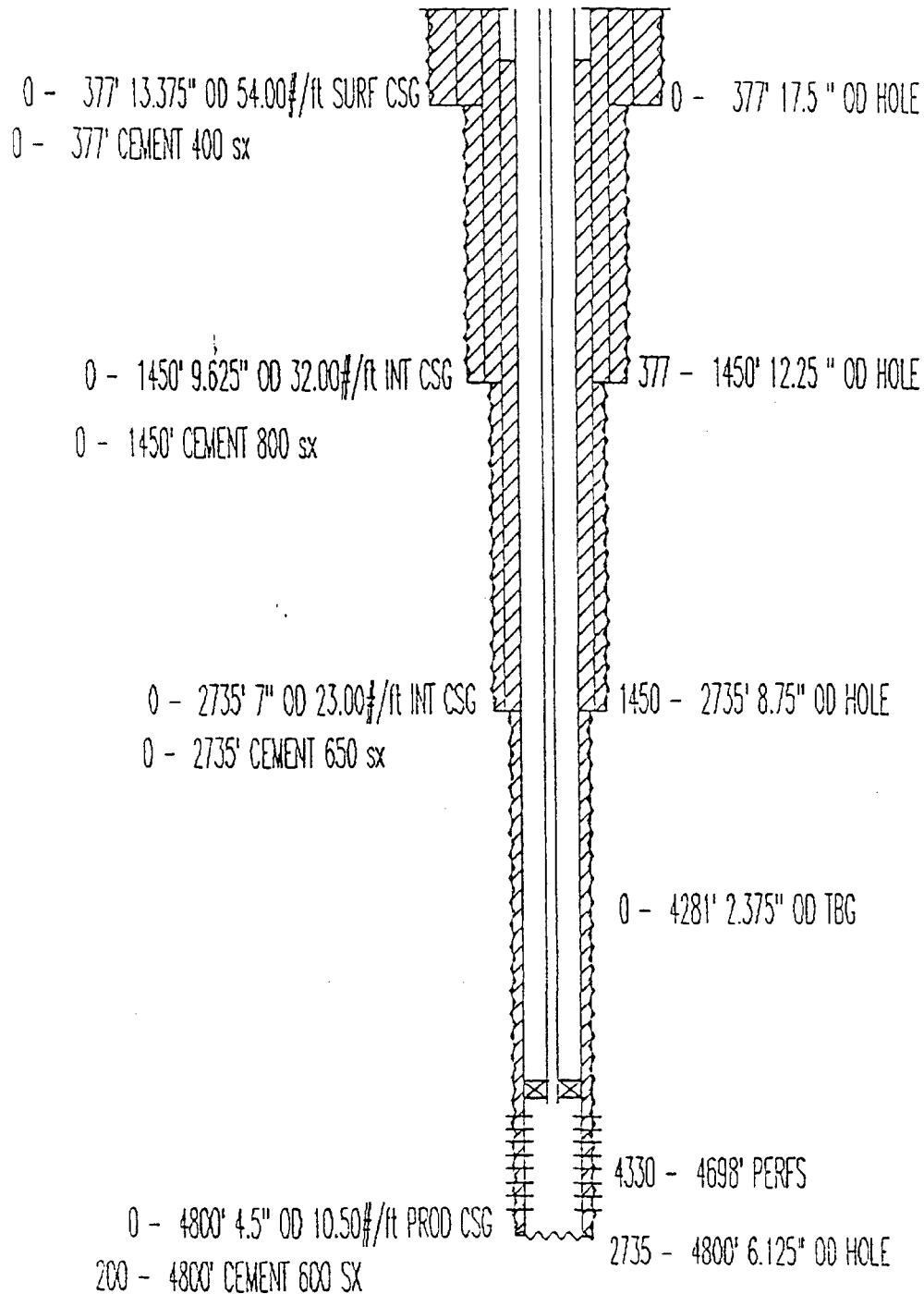
1600 FSL & 40 FWL
SEC 6, T4N 18 S, RANGE 35 E
ELEVATION: 3984 GR
COMPLETION DATE: 12-16-78

LEASCO E&P INC
CENTRAL VACUUM U NO. 136 WIW
API# 3002525997



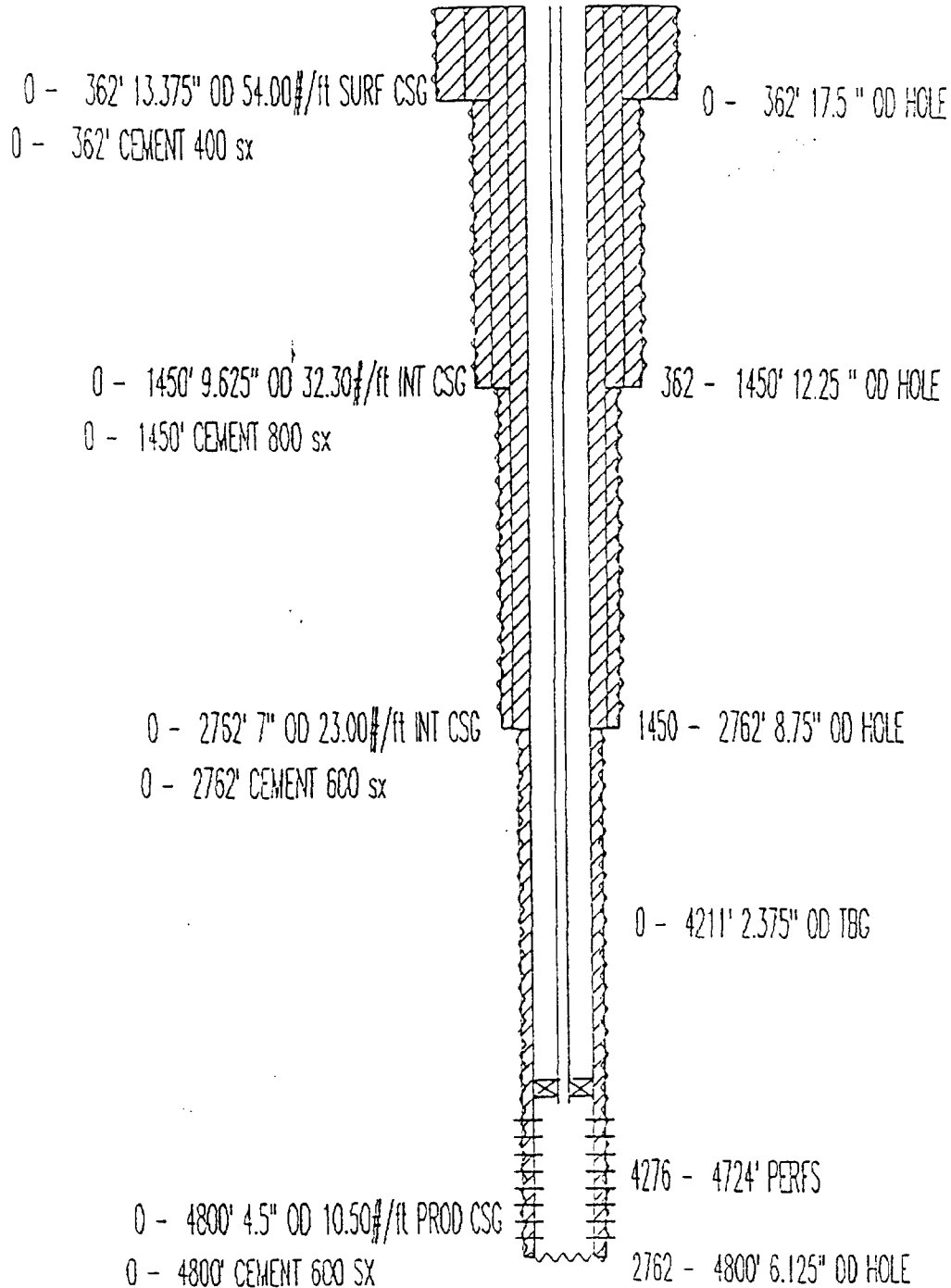
2450 FNL & 40 FNL
SEC 6, T4N 18 S, RANGE 35 E
ELEVATION: 3979 CR
COMPLETION DATE: 12-19-78

TEXACO L&P INC
CENTRAL VACUUM U NO. 137 W/W
API# 3002525998



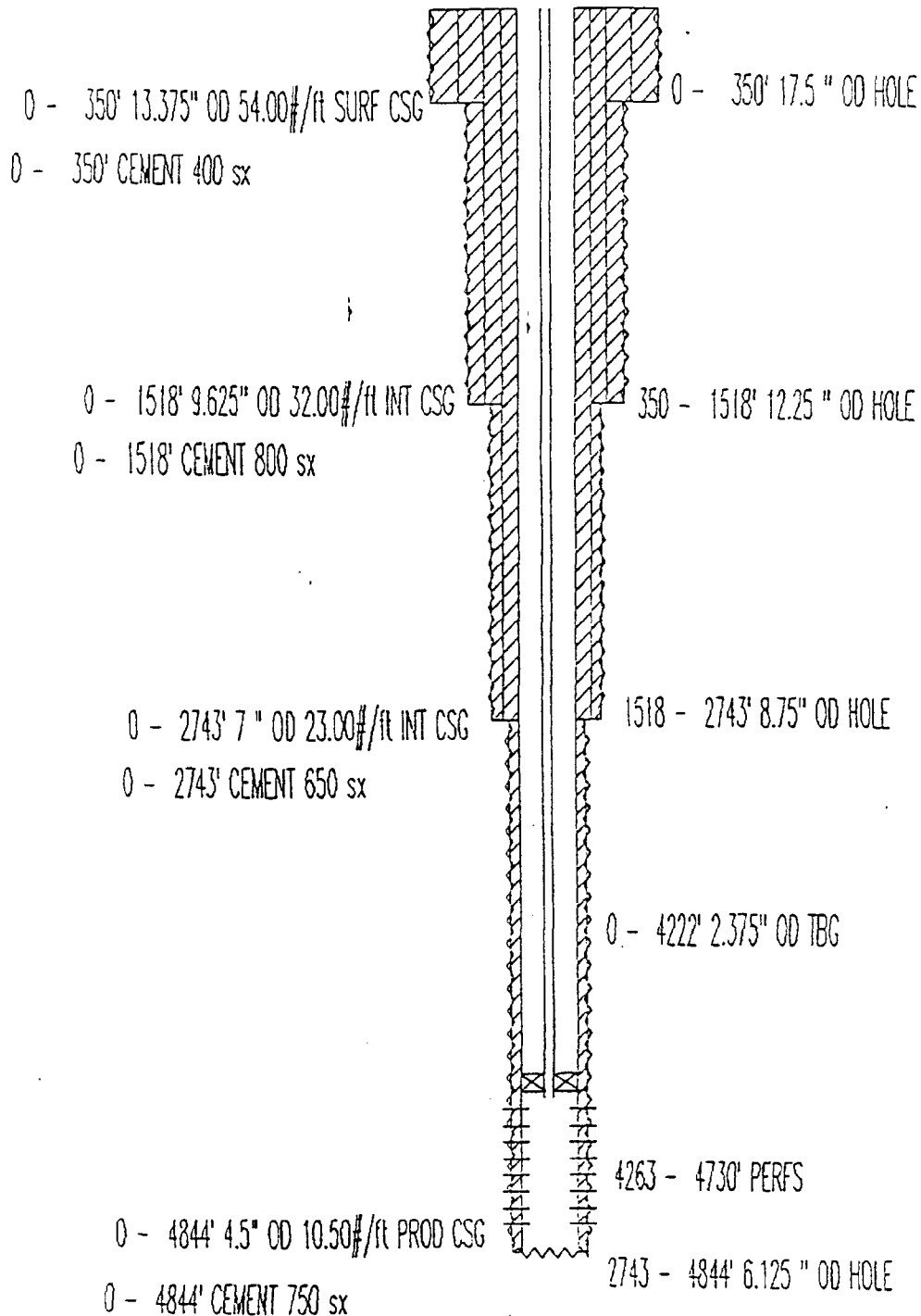
1100 FNL & 40 FNL
SEC 6, T14N 18 S, RANGE 35 E
ELEVATION: 3985 GR
COMPLETION DATE: 12-23-78

TEARCO LOG INC.
CENTRAL VACUUM U NO. 138 WNW
API# 3002525999



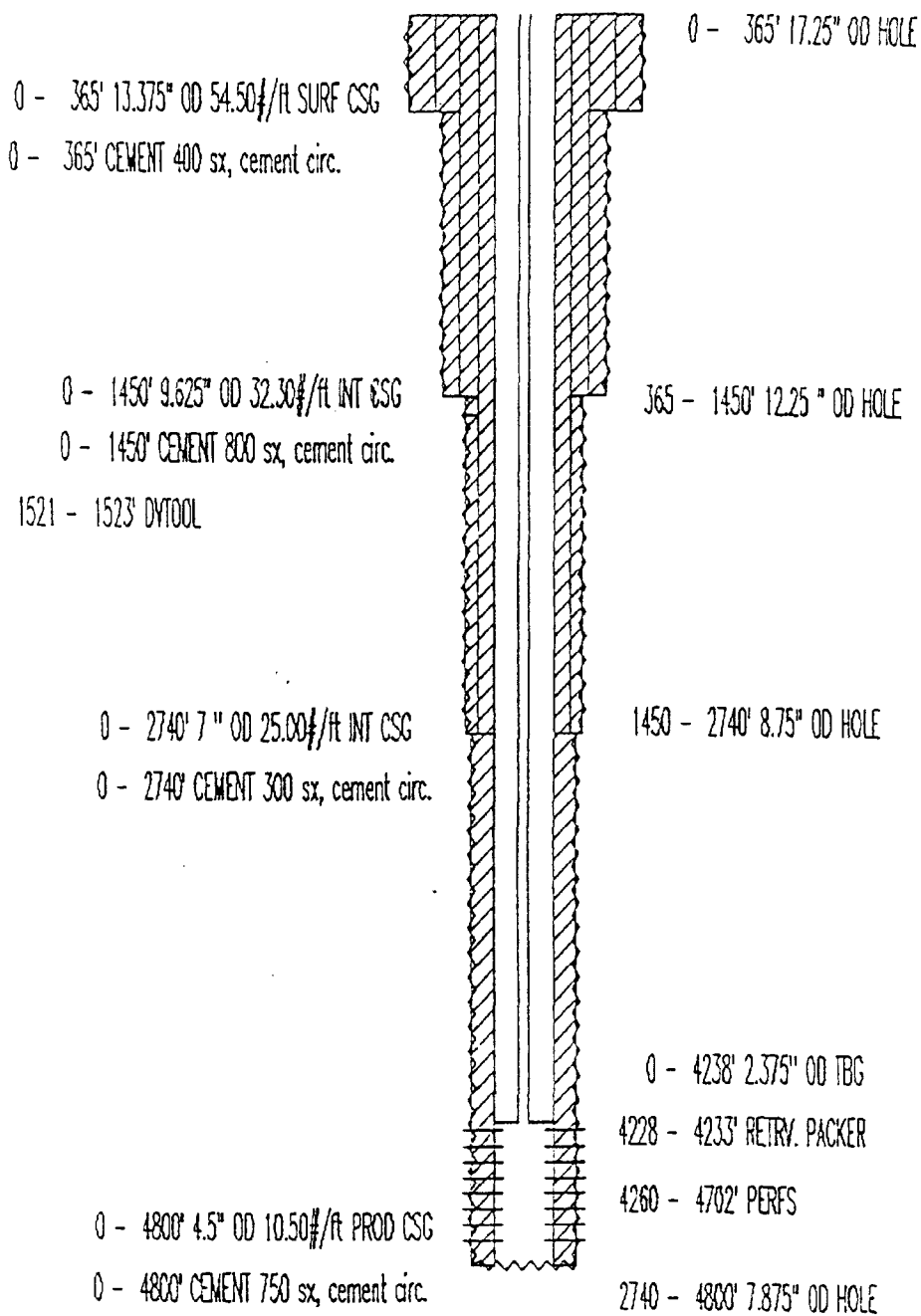
10 FSL & 70 FEL
SEC 36, T1N 17 S, RANGE 34 E
ELEVATION: 3986 OR
COMPLETION DATE: 12-30-78

TEXACO E&P INC
CENTRAL VACUUM U NO. 139 WIW
API# 3002526078



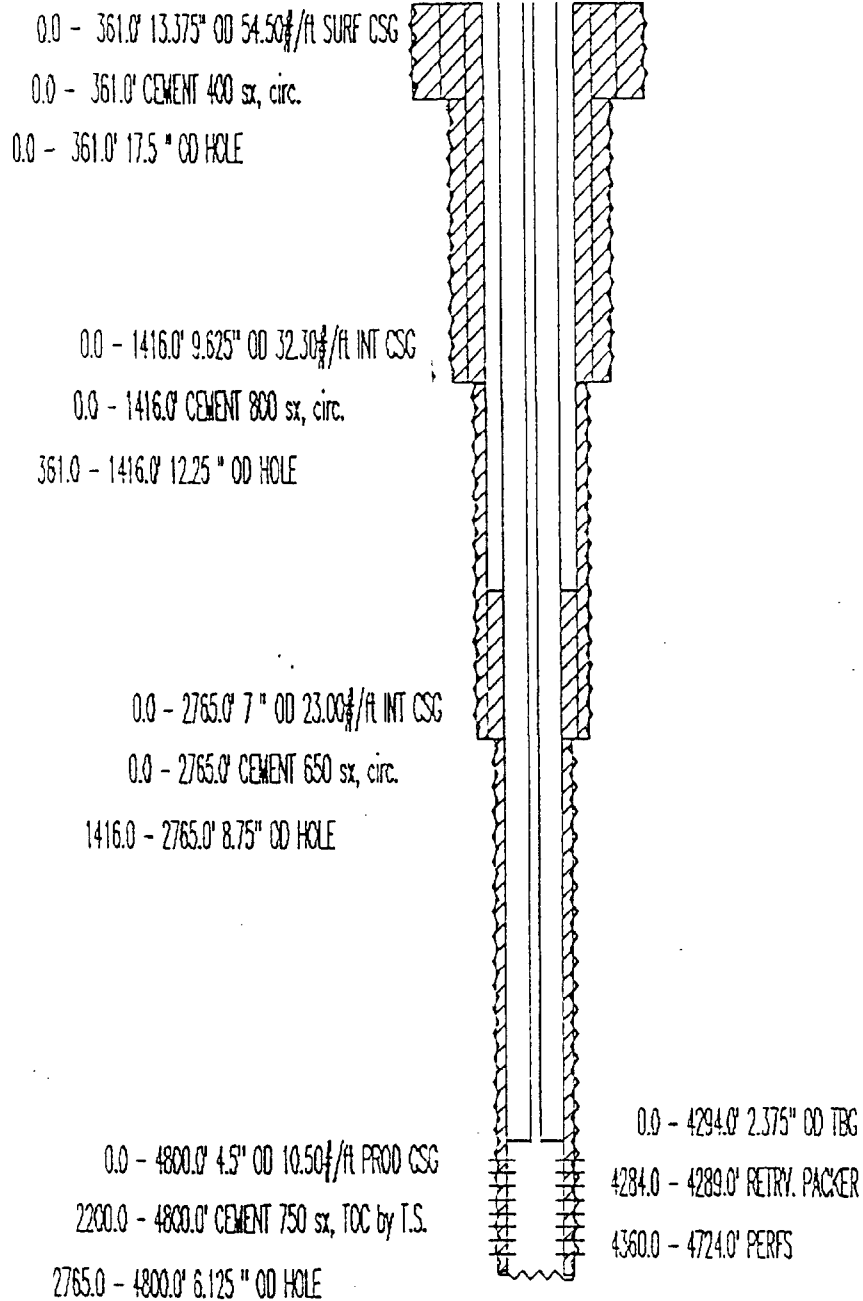
85 FSL & 958 FEL
SEC 36, T1N 17 S, RANGE 34 E
ELEVATION: 3986 GR
COMPLETION DATE: 02-17-79

CENTRAL VACUUM UN NO. 140 WIW
API# 30 025 26000



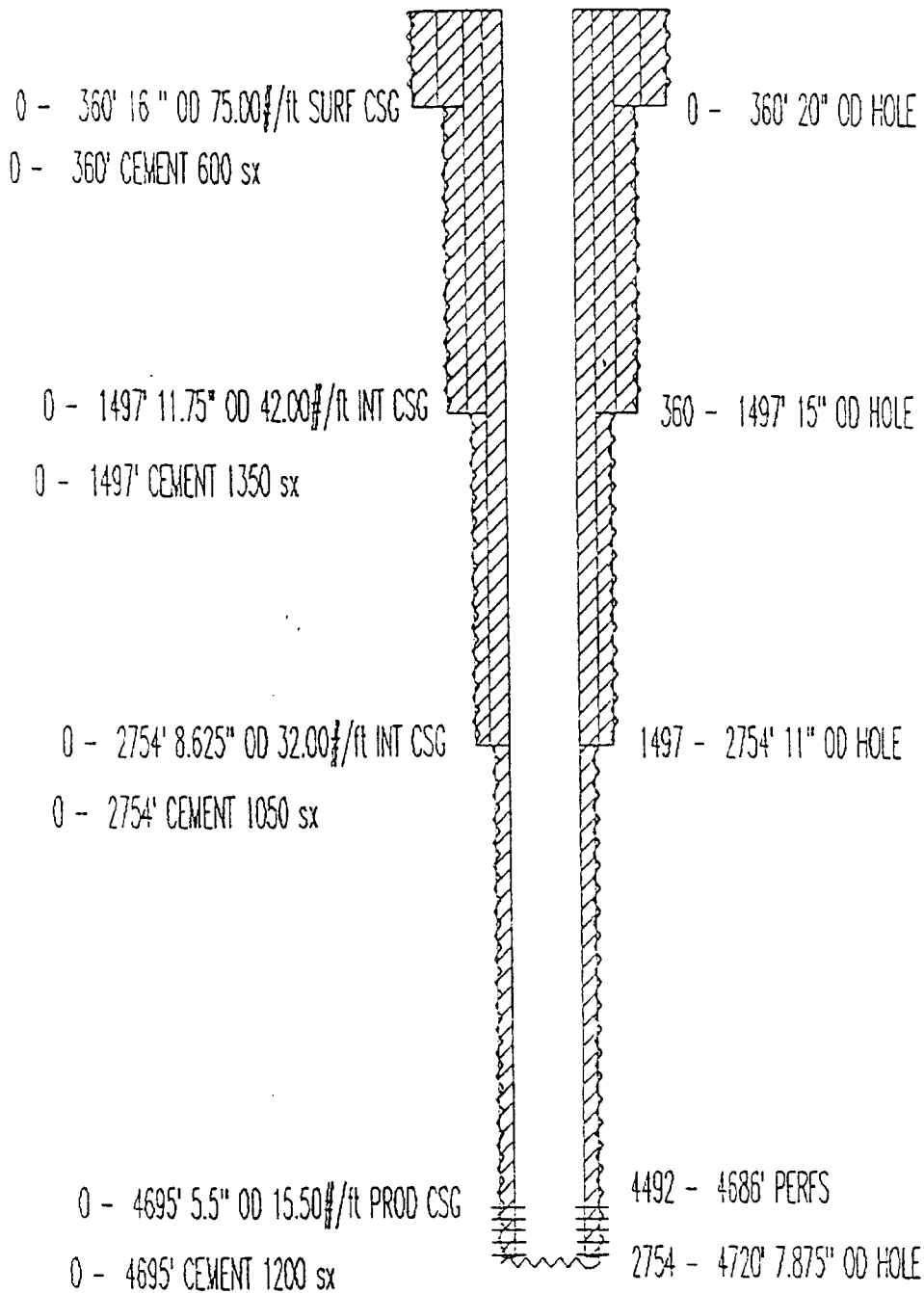
10 FSL & 2571 FWL
SEC 36, T14N 17 S, RANGE 34 E
ELEVATION: 3988 GR
COMPLETION DATE: 02-07-79
COMPLETION INTERVAL: 4260'-4702'

FLANDERS CORP. INC.
CENTRAL VACUUM UN NO. 141 WIW
API# 30 025 26001



10 FSL & 1310 FHL
SEC 36, T1N 17 S, RANGE 34 E
ELEVATION: 3992 GR
COMPLETION DATE: 01-18-79
COMPLETION INTERVAL: 4360'-4724'

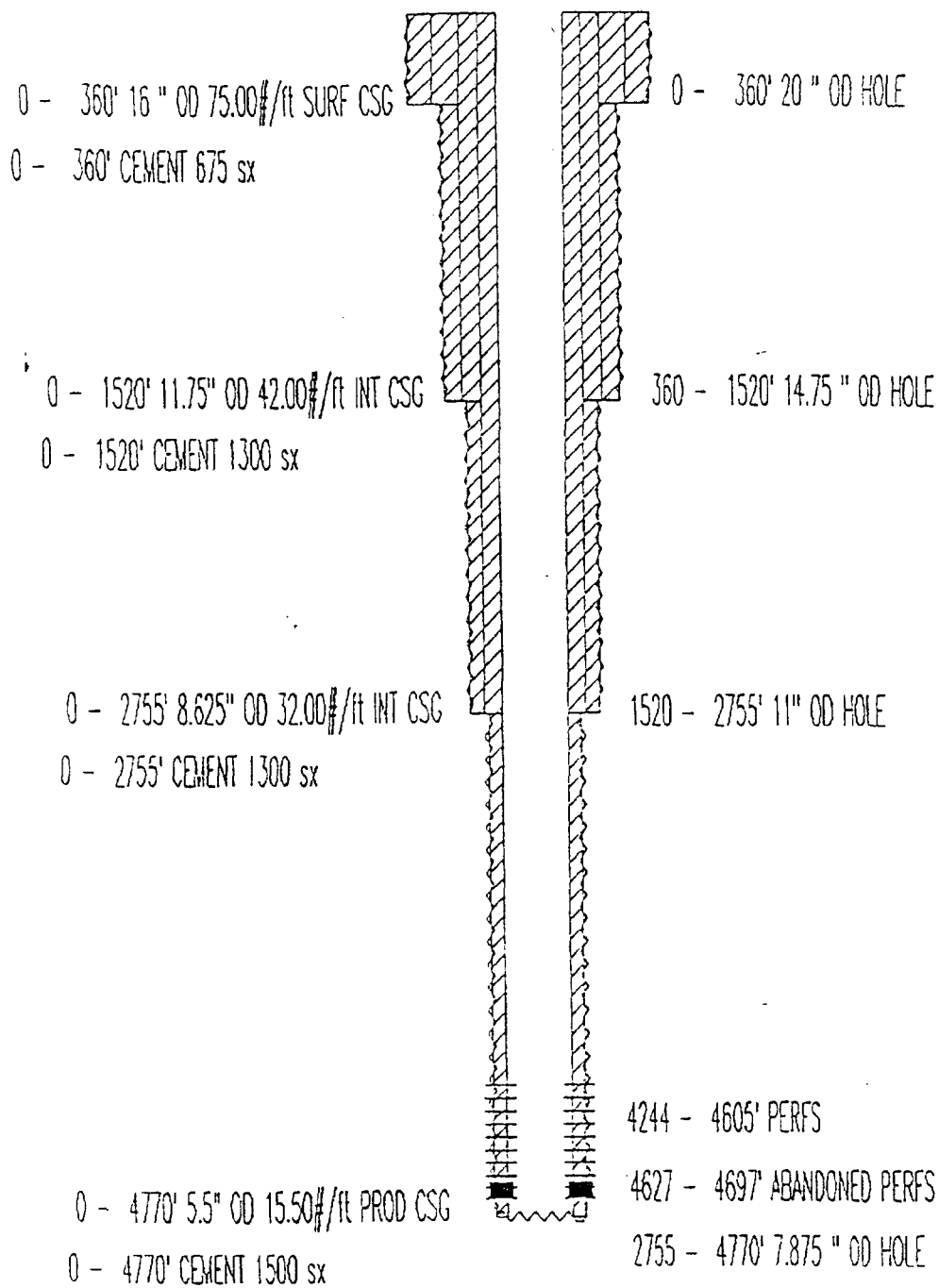
TEXACO INC
CENTRAL VACUUM UNIT NO. 152
API# 30025268200000



760 FSL & 660 FHL
SEC 6, T1N 18 S, RANGE 35 E
ELEVATION: 3992 GR
COMPLETION DATE: 08-04-80

COMPLETION INTERVAL: 4492 - 4720 (GCSA)

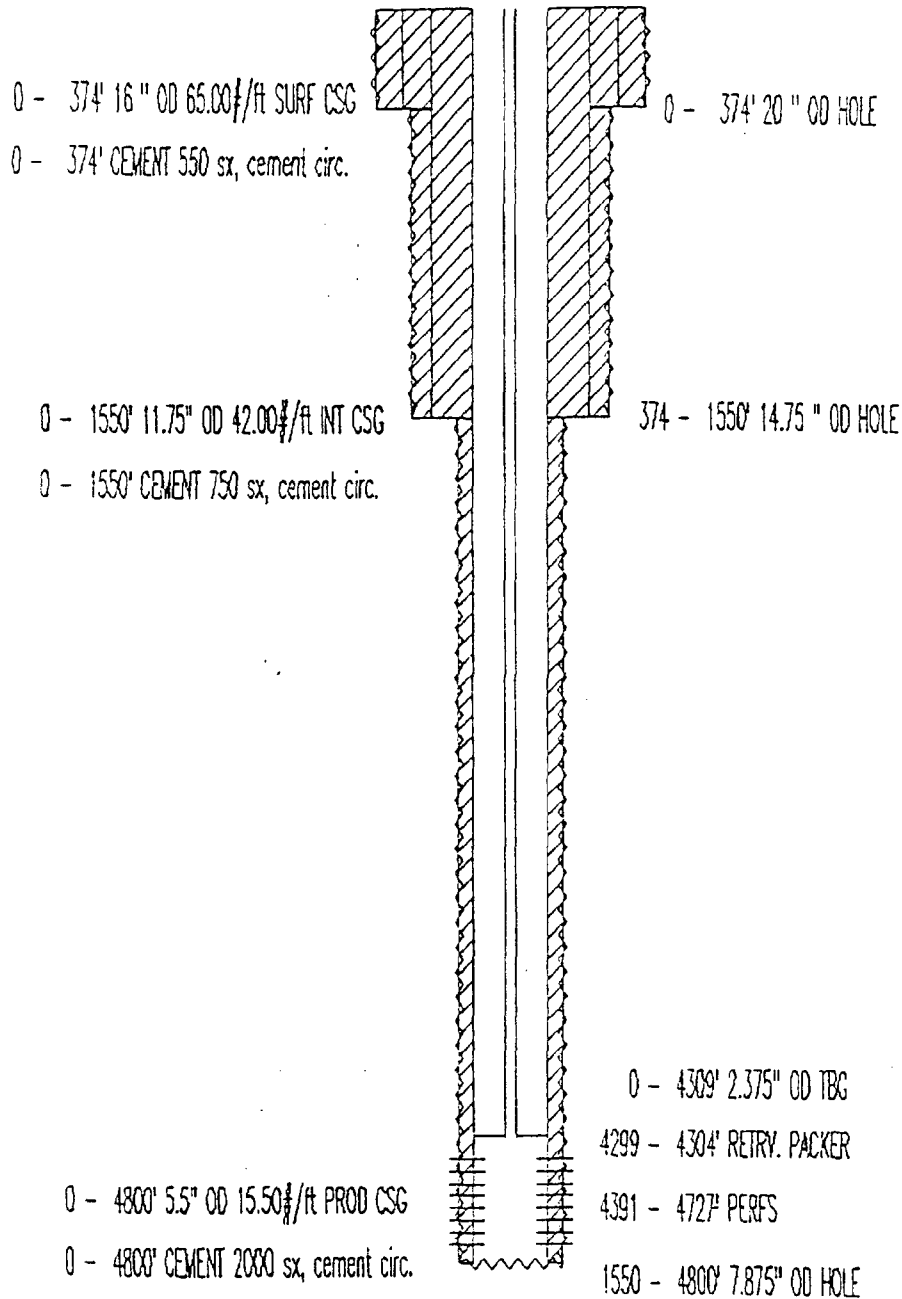
TEXACO INC
CENTRAL VACUM UT NO. 153
API# 30025271940000



2196 FSL & 525 FHL
SEC 6, T4N 18 S, RANGE 35 E
ELEVATION: 3982 GR
COMPLETION DATE: 03-03-81

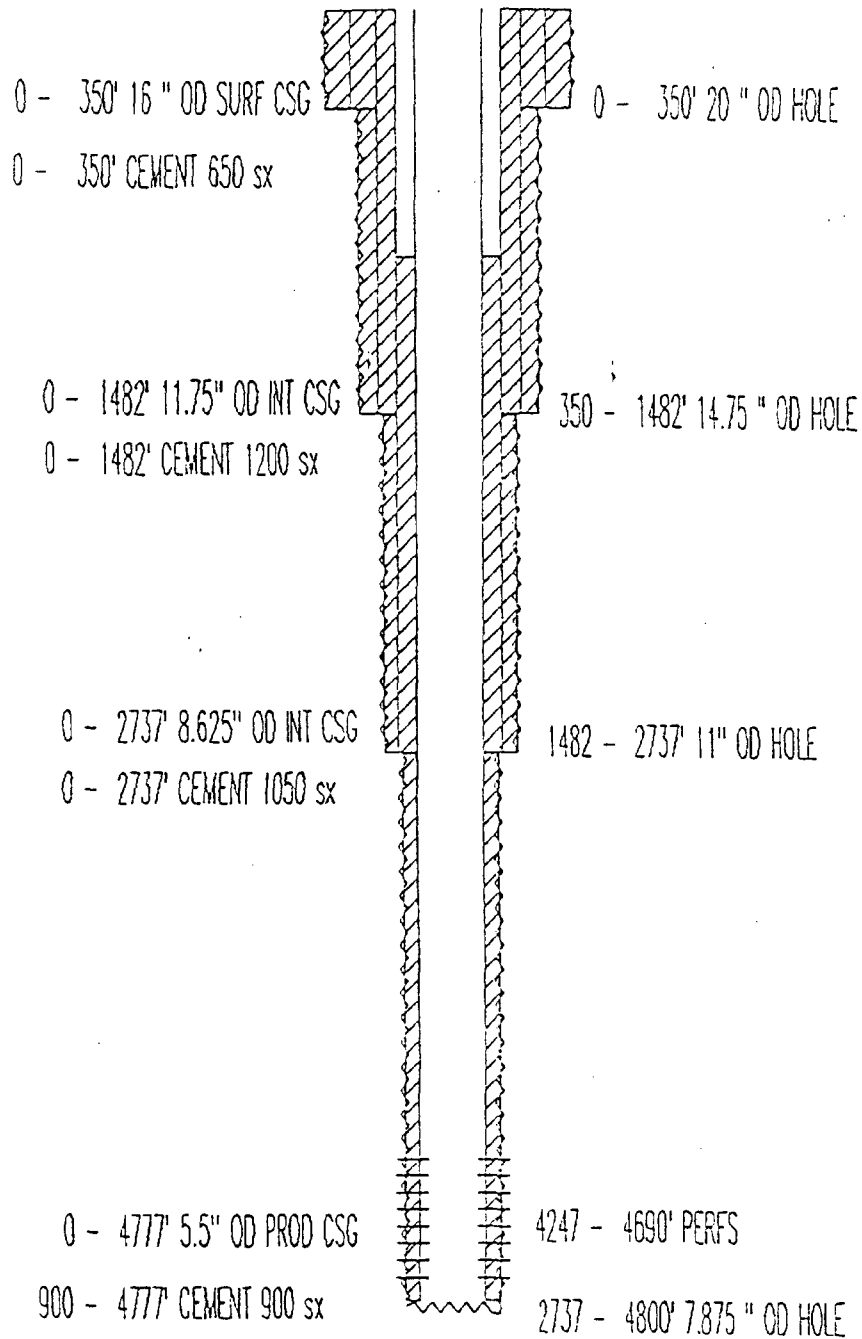
COMPLETION INTERVAL: 4353 - 4697 (SADR)

PLANT LOG NO.
CENTRAL VACUUM UN NO. 161 WIW
API# 30025279710000



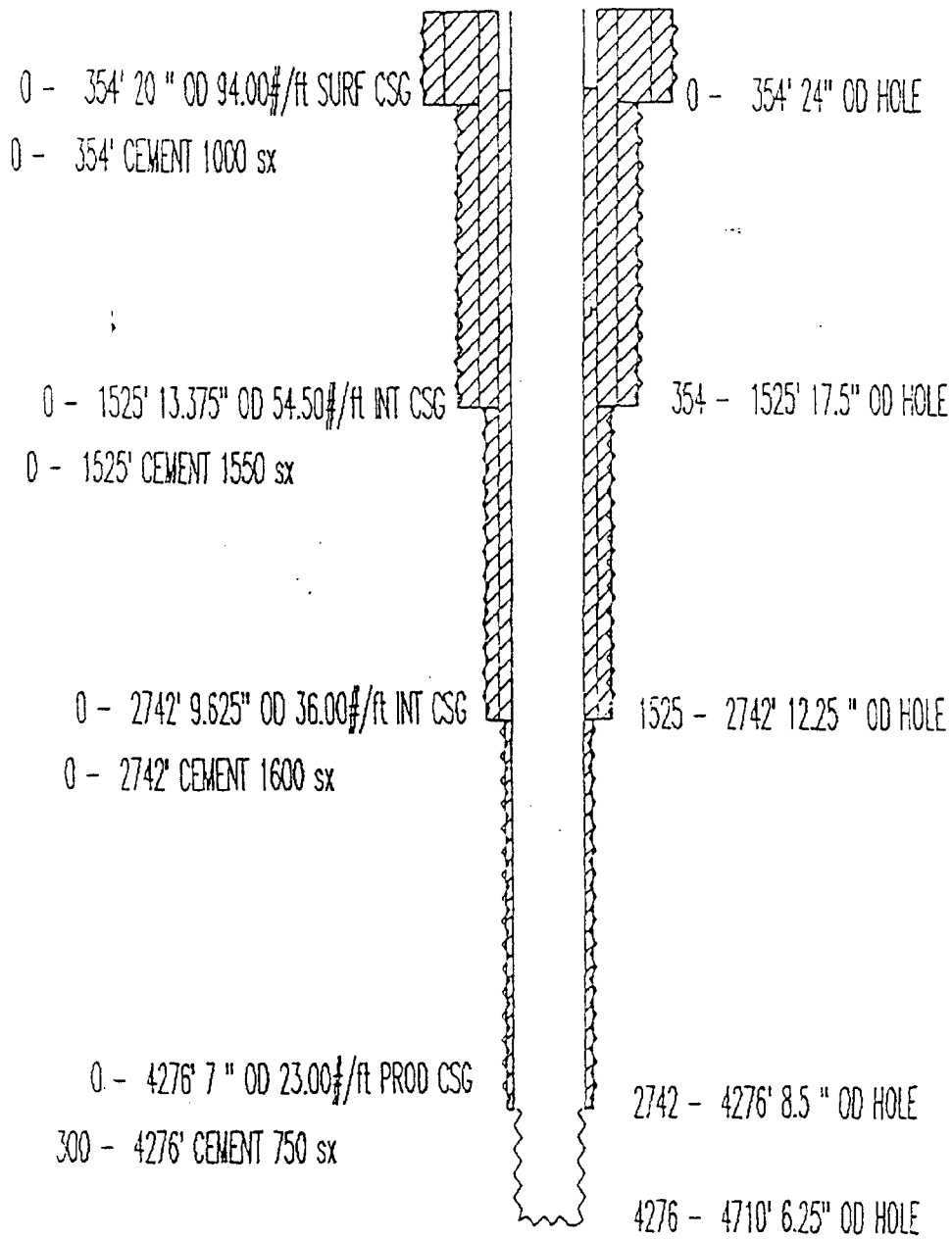
180 FSL & 10 FWL
SEC 36, T1N 17 S, RANGE 34 E
ELEVATION: 4004 GR
COMPLETION DATE: 01-11-83
COMPLETION INTERVAL: 4391'-4727'

TEXACO INC
CENTRAL VACUUM UNIT NO. 162
API# 30025281820000



760 FNL & 484 FNL
SEC 6, T4N 18. S, RANGE 35 E
ELEVATION: 3984 CR
COMPLETION DATE: 09-07-83
:::
COMPLETION INTERVAL: 4247 - 4690 (CESA)

TEXACO E&P INC.
CENTRAL VACUUM UNIT NO. 169
API# 30 025 29765



760 FSL & 1980 FHL
SEC 36, T1N 17 S, RANGE 34 E
ELEVATION: 4007 KB
COMPLETION DATE: 12-10-86

COMPLETION INTERVAL: 4276 - 4710 (GESA)
Replacement well for CVU No. 91

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-33330
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lea	B-155-1

WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____				7. Lease Name or Unit Agreement Name CENTRAL VACUUM UNIT	
b. Type of Completion: NEW WELL ☒ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☒ OTHER _____					
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.				8. Well No. 188	
3. Address of Operator 205 E. Bender, HOBBS, NM 88240				9. Pool Name or Wildcat VACUUM GRAYBURG SAN ANDRES	
4. Well Location Unit Letter <u>P</u> : <u>650</u> Feet From The <u>SOUTH</u> Line and <u>318</u> Feet From The <u>EAST</u> Line Section <u>36</u> Township <u>17-S</u> Range <u>34-E</u> NMPM <u>LEA</u> COUNTY					
10. Date Spudded 5/18/96		11. Date T.D. Reached 5/25/96		12. Date Compl. (Ready to Prod.) 5/31/96	
13. Elevations (DF & RKB, RT, GR, etc.) 3970' GR		14. Elev. Csghead 3970'			
15. Total Depth 4850'		16. Plug Back T.D. 4850'		17. If Mult. Compl. How Many Zones? -	
18. Intervals Drilled By C-4850'		Rotary Tools C-4850'		Cable Tools -	
19. Producing Interval(s), of this completion - Top, Bottom, Name 4342'-4704' (VACUUM GRAYBURG SAN ANDRES)				20. Was Directional Survey Made YES	
21. Type Electric and Other Logs Run CNL/DLL/MSFL/FEQL/GR/CCL				22. Was Well Cored NO	
23. CASING RECORD (Report all Strings set in well)					
CASING SIZE		WEIGHT LB./FT.		DEPTH SET	
3/8"		24#		1556'	
5 1/2"		15.5#		4850'	
24. LINER RECORD					
SIZE		TOP		BOTTOM	
25. TUBING RECORD					
SIZE		DEPTH SET		PACKER SET	
2 3/8"		4547'		-	
26. Perforation record (interval, size, and number) 4342'-4704'					
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
4342'-4704'		ACID - 25,000 GALS 15% NEFE HCL			
4342'-4704'		SCALE AQUEEZE W/ 220 GALS TH-756			
		MIXED W/ 30 BBLs FRESH WATER			
28. PRODUCTION					
Date First Production 5/31/96		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING-SUBMERSIBLE PUMP			Well Status (Prod. or Shut-in) PROD
Date of Test 6/17/96		Hours tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 48
					Gas - MCF 25
					Water - Bbl. 1275
					Gas - Oil Ratio 521
Flow Tubing Press.		Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF
					Water - Bbl.
					Oil Gravity - API -(Corr.) 38.6
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD					Test Witnessed By ODIS HENLEY
30. List Attachment DEVIATION SURVEY					
I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.					
SIGNATURE		TITLE		DATE	
Monte C. Duncan		Engr Asst		6/18/96	
TYPE OR PRINT NAME				Telephone No.	
				397-0413	

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-33334
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lea	8-155-1

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐				7. Lease Name or Unit Agreement Name CENTRAL VACUUM UNIT	
b. Type of Completion: NEW WELL ☒ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER ☐					
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.				8. Well No. 189	
3. Address of Operator 205 E. Bender, HOBBS, NM 88240				9. Pool Name or Wildcat VACUUM GRAYBURG SAN ANDRES	
4. Well Location Unit Letter <u>P</u> : <u>751</u> Feet From The <u>SOUTH</u> Line and <u>1245</u> Feet From The <u>EAST</u> Line Section <u>36</u> Township <u>17-S</u> Range <u>34-E</u> NMPM <u>LEA</u> COUNTY					
10. Date Spudded 4/23/96	11. Date T.D. Reached 4/30/96	12. Date Compl. (Ready to Prod.) 5/6/96	13. Elevations (DF & RK3, RT, GR, etc.) 3988' GR	14. Elev. Csghead 3989'	
15. Total Depth 4850'	16. Plug Back T.D. 4850'	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By 0-4850'	Rotary Tools Cable Tools	
19. Producing Interval(s), of this completion - Top, Bottom, Name 4280' - 4658' (VACUUM GRAYBURG SAN ANDRES)				20. Was Directional Survey Made YES	
21. Type Electric and Other Logs Run CNL/SDL-GR/DLL/MSFL/GR-CLL/CBL				22. Was Well Cored NO	

23. CASING RECORD (Report all Strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
11/8"	24#	1550'	11"	CL-C 800 SX, CIRC 87	
5 1/2"	15.5#	4850'	7 7/8"	CL-H 950 SX, CIRC 115	

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	4396'	
26. Perforation record (interval, size, and number) 4280'-4658'				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.			
				DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED			
				4280'-4398' ACID - 6000 GALS 15% HEFE HCL			
				4428'-4658' ACID - 9000 GALS 15% HEFE HCL			

28. PRODUCTION							
Date First Production 5/6/96		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING				Well Status (Prod. or Shut-in) PROD.	
Date of Test 5/28/96	Hours tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 52	Gas - MCF 30	Water - Bbl. 476	Gas - Oil Ratio 577
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Carr.) 38.6	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD						Test Witnessed By ODIS HENLEY	

30. List Attachment DEVIATION SURVEY							
I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNATURE		TITLE Engr Asst		DATE		5/29/96	
TYPE OR PRINT NAME		Monte C. Duncan		Telephone No.		397-0418	

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

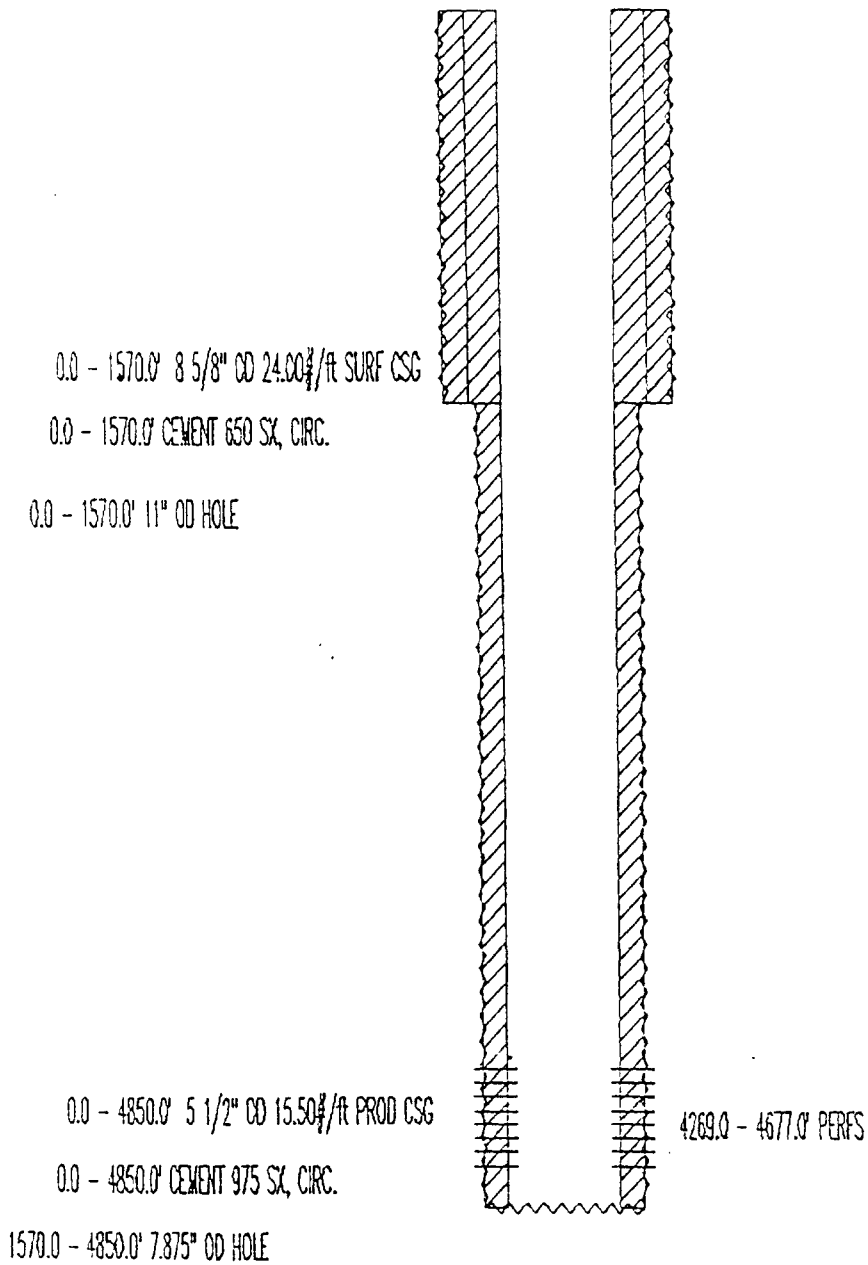
P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-32800
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	B-1113-1

WELL COMPLETION OR RECOMPLETION REPORT AND LOG							
1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER <u>INJECTION</u>						7. Lease Name or Unit Agreement Name CENTRAL VACUUM UNIT	
b. Type of Completion: NEW WELL ☒ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER							
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.						8. Well No. 193	
3. Address of Operator P.O. BOX 730, HOBBS, NM 88240						9. Pool Name or Wildcat VACUUM GRAYBURG SAN ANDRES	
4. Well Location Unit Letter <u>D</u> <u>101</u> Feet From The <u>NORTH</u> Line and <u>534</u> Feet From The <u>WEST</u> Line Section <u>6</u> Township <u>18-S</u> Range <u>35-E</u> NMPM <u>LEA</u> COUNTY							
10. Date Spudded 3/4/95		11. Date T.D. Reached 3/9/95		12. Date Compl. (Ready to Prod.) 3/24/95		13. Elevations (DF & RKB, RT, GR, etc.) 3985' GR	
14. Elev. Csghead 3985'		15. Total Depth 4850'		16. Plug Back T.D. 4754'		17. If Mult. Compl. How Many Zones?	
18. Intervals Drilled By		Rotary Tools 0-4800'		Cable Tools -		19. Producing Interval(s), of this completion - Top, Bottom, Name 4279'-4662' VACUUM GRAYBURG SAN ANDRES	
20. Was Directional Survey Made YES						21. Type Electric and Other Logs Run DLL-MSFL, LONG SPACED SONIC, SDL-DSN-GR	
22. Was Well Cored NO						23. CASING RECORD (Report all Strings set in well)	
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE	
8		24#		1527'		11	
5 1/2		15.5#		4850'		7 7/8	
24. LINER RECORD				25. TUBING RECORD			
SIZE		TOP		BOTTOM		SACKS CEMENT	
						SCREEN	
						2 3/8"	
						4230'	
						4233'	
26. Perforation record (interval, size, and number) 4279'-4281', 4295'-4299', 4302'-4304', 4306'-4308', 4335'-4370', 4373'-4381', 4385'-4386', 4391'-4393', 4399'-4406', 4413'-4429', 4451'-4453', 4497'-4516', 4522'-4537', 4540'-4546', 4548'-4549', 4551'-4563', 4565'-4570', 4581'-4583', 4595'-4600', 4605'-4610', 4614'-4640', 4642'-4646', 4648'-4662' (390 HOLES)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.			
				DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED	
				4279'-4662'		ACID - 20000 GALS 15% HCL NEFE	
28. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - size and type pump)					Well Status (Prod. or Shut-in) SHUT-IN
Date of Test		Hours tested		Choke Size		Prod'n For Test Period	
Oil - Bbl.		Gas - MCF		Water - Bbl.		Gas - Oil Ratio	
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.	
Gas - MCF		Water - Bbl.		Oil Gravity - API (Corr.)			
29. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By HOLLICE CLAY	
30. List Attachments							
I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNATURE				TITLE <u>Engr Asst</u>		DATE <u>4/10/95</u>	
TYPE OR PRINT NAME				<u>Monte C. Duncan</u>		Telephone No. <u>397-0418</u>	

TEXACO E&P INC.
CENTRAL VACUUM UNIT No. 197
30 025 32791



717 FNL & 1093 FNL
SEC 6, T-18-S, R-35-E
ELEV: 3982' GR
COMPLETED 2-21-95
COMPLETION INTERVAL: 4269'-4677' (GESA)

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-32804
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	8-1113-1

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER <u>INJECTION</u>		7. Lease Name or Unit Agreement Name CENTRAL VACUUM UNIT	
b. Type of Completion: NEW WELL ☒ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER			
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.		8. Well No. 199	
3. Address of Operator P.O. BOX 730, HOBBS, NM 88240		9. Pool Name or Wildcat VACUUM GRAYBURG SAN ANDRES	
4. Well Location Unit Letter <u>E</u> : <u>1372</u> Feet From The <u>NORTH</u> Line and <u>584</u> Feet From The <u>WEST</u> Line Section <u>6</u> Township <u>18-S</u> Range <u>35-E</u> NMPM <u>LEA</u> COUNTY			
10. Date Spudded 3/8/95	11. Date T.D. Reached 3/14/95	12. Date Compl. (Ready to Prod.) 3/24/95	13. Elevations (DF & RKB, RT, GR, etc.) 3972' GR
14. Elev. Csghead 3972'			
15. Total Depth 4850'	16. Plug Back T.D. 4782'	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0-4850'
19. Producing Interval(s), of this completion - Top, Bottom, Name 4238'-4406' VACUUM GRAYBURG SAN ANDRES			20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run SDL-OSN-DLL-MSFL			22. Was Well Cored NO

CASING RECORD (Report all Strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
8	24#	1560'	11	CL-C 860 SX, CIRC 93	
5 1/2	15.5#	4850'	7 7/8	CK-H 863 SX, CIRC 0	

24. LINER RECORD

25. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	4200'	4203'

26. Perforation record (Interval, size, and number)

4238'-4240', 4243'-4248', 4253'-4268', 4271'-4277', 4309'-4322', 4348'-4360', 4363'-4369', 4394'-4395', 4397'-4401', 4404'-4406' (90 HOLES)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

4238'-4406' ACID - 19000 GAL 15% HCL NEFE

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - size and type pump)				Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By HOLLICE CLAY	

30. List Attachments DEVIATION SURVEY

I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNATURE _____ TITLE Engr Asst DATE 4/10/95
TYPE OR PRINT NAME Monte C. Duncan Telephone No. 397-0418

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-32805
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	8-1113-1

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER INJECTION ☐				7. Lease Name or Unit Agreement Name CENTRAL VACUUM UNIT	
b. Type of Completion: NEW WELL ☒ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER ☐					
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.				8. Well No. 200	
3. Address of Operator P.O. BOX 730, HOBBS, NM 88240				9. Pool Name or Wildcat VACUUM GRAYBURG SAN ANDRES	
4. Well Location Unit Letter <u>C</u> : <u>1301</u> Feet From The <u>NORTH</u> Line and <u>1875</u> Feet From The <u>WEST</u> Line Section <u>6</u> Township <u>18-S</u> Range <u>35-E</u> NMPM <u>LEA</u> COUNTY					
10. Date Spudded 3/18/95	11. Date T.D. Reached 3/23/95	12. Date Compl. (Ready to Prod.) 4/7/95	13. Elevations (DF & RKB, RT, GR, etc.) 3975' GR	14. Elev. Csghead 3975'	
15. Total Depth 4850'	16. Plug Back T.D. 4785'	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools C-4850'	Cable Tools -
19. Producing Interval(s), of this completion - Top, Bottom, Name 4253'-4661' VACUUM GRAYBURG SAN ANDRES					20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run SDL-DSN-DLL-MSFL, DIPOLESONIC-CAST					22. Was Well Cored NO

CASING RECORD (Report all Strings set in well)

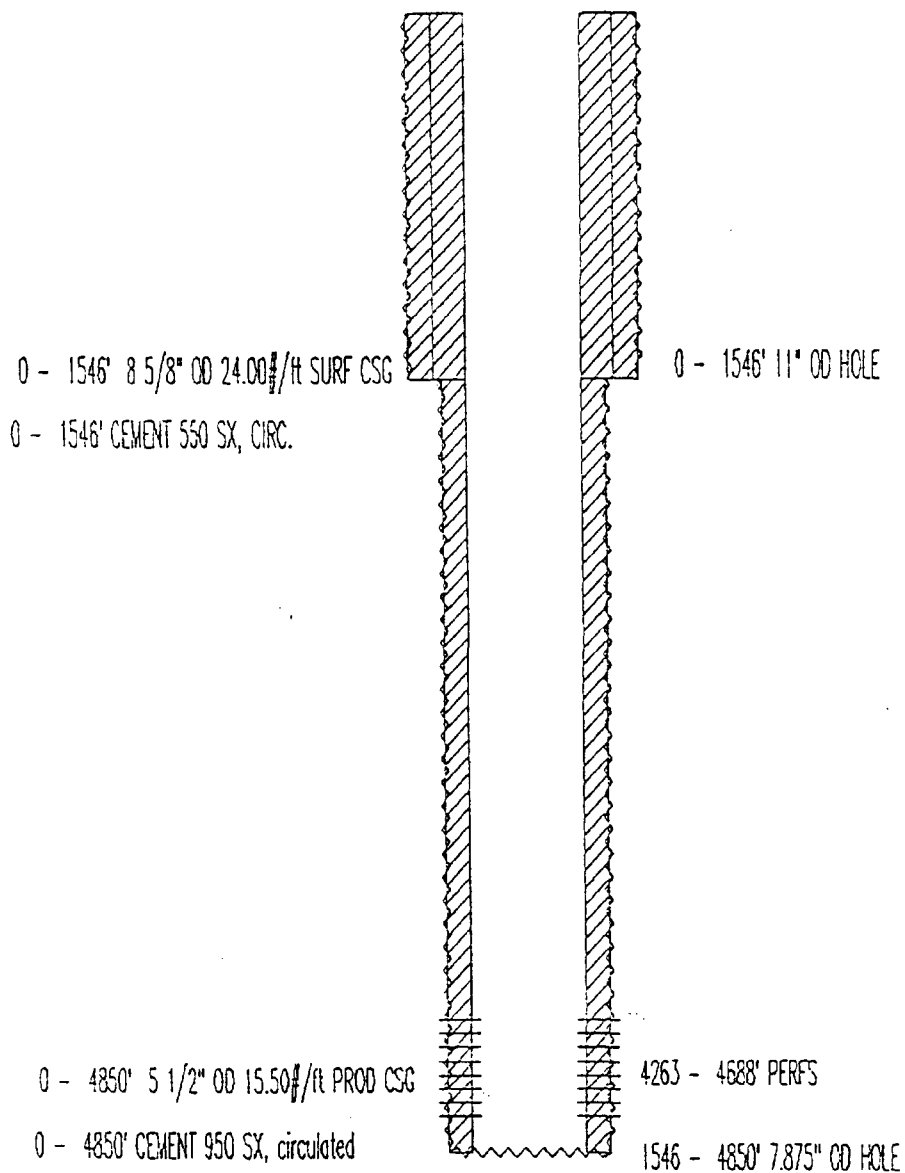
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
8	24#	1524'	11	CL-C 525 SX, CIRC 127	
5 1/2	15.5#	4850'	7 7/8	CL-H 812 SX, CIRC 61	

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	4198'	4201'
26. Perforation record (interval, size, and number) 4253'-59', 4262'-65', 4268'-70', 4273'-76', 4277'-78', 4308'-14', 4315'-18', 4319'-20', 4322'-24', 4340'-44', 4348'-53', 4356'-62', 4370'-80', 4383'-85', 4387'-92', 4394'-95', 4397'-4401', 4403'-05', 4407'-18', 4426'-31', 4441'-51', 4454'-69', 4488'-89', 4491'-99', 4506'-18', 4521'-27', 4529'-36', 4538'-43', 4548'-54', 4557'-58', 4566'-68', 4571'-80', 4584'-88', 4590'-93', 4596'-98', 4600'-4602', 4604'-05', 4608'-10', 4623'-25', 4636'-37', 4640'-61' (404 HOLES)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 4253'-4661' AMOUNT AND KIND MATERIAL USED ACID - 20,000 GALS 15% HCL NEFE			

28. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - size and type pump)				Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By HOLUCE CLAY	

30. List Attachments DEVIATION SURVEY							
I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNATURE		TITLE Engr Asst		DATE 4/24/95			
TYPE OR PRINT NAME		Monte C. Duncan		Telephone No.		397-0413	

TEXACO E&P INC.
CENTRAL VACUUM UNIT No. 204
30 025 32792



1994 FNL & 1073 FNL
SEC 6, T-18-S, R-35-E
ELEV: 3969' GR
COMPLETED 2-19-95
COMPLETION INTERVAL: 4221'-4702' (GSSA)

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

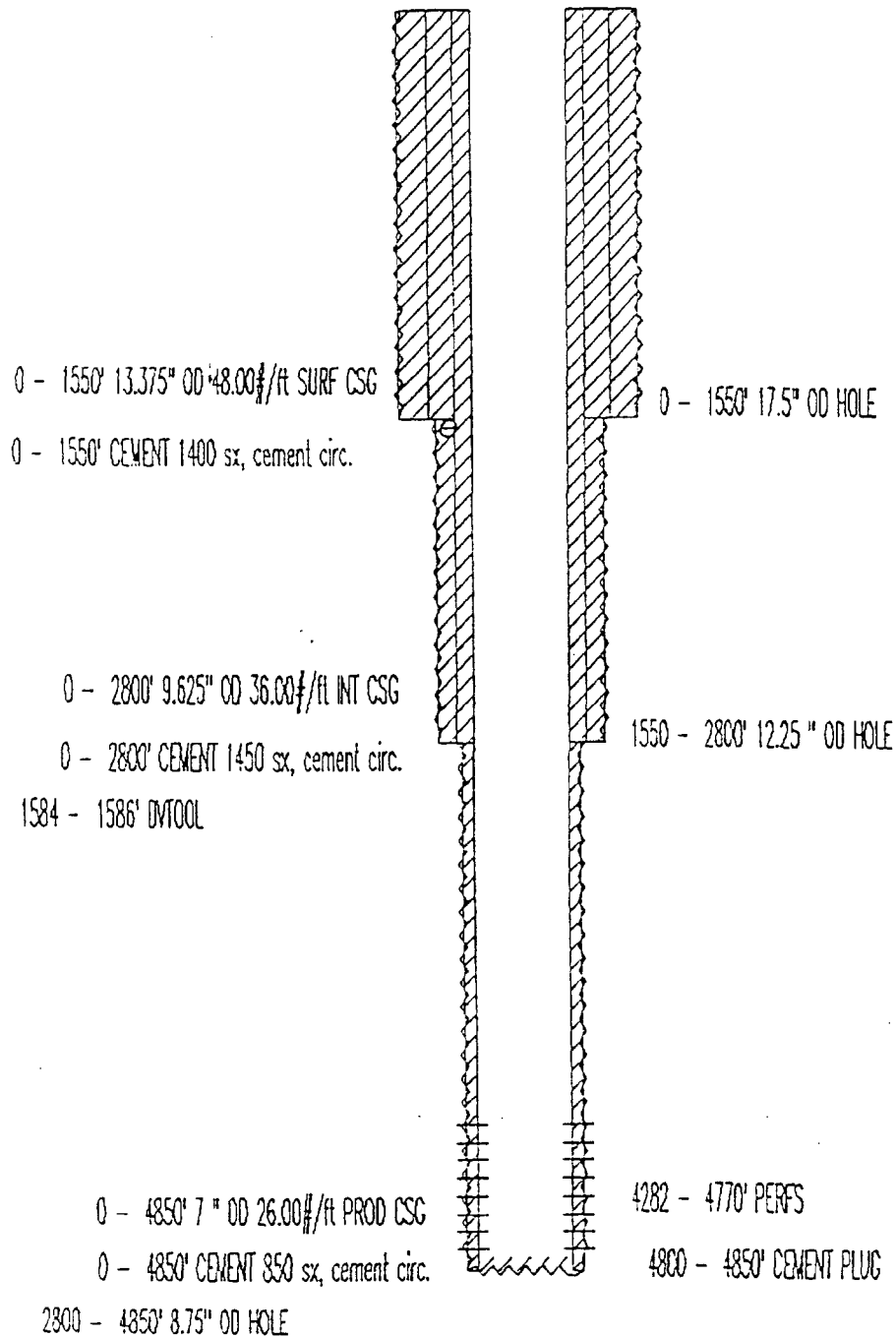
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-32808	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil / Gas Lease B-1113-1	
7. Lease Name or Unit Agreement Name CENTRAL VACUUM UNIT	
8. Well No. 206	
9. Pool Name or Wildcat VACUUM GRAYBURG SAN ANDRES	
10. Date Spudded 3/24/95	
11. Date T.D. Reached 3/29/95	
12. Date Compl. (Ready to Prod.) 4/7/95	
13. Elevations (DF & RKB, RT, GR, etc.) 3974' GR	
14. Elev. Csghead 3974'	
15. Total Depth 4850'	
16. Plug Back T.D. 4750'	
17. If Mult. Compl. How Many Zones?	
18. Intervals Drilled By 0-4850'	
19. Producing Interval(s), of this completion - Top, Bottom, Name 4221'-4718' VACUUM GRAYBURG SAN ANDRES	
20. Was Directional Survey Made YES -	
21. Type Electric and Other Logs Run GR-DLL-MSFL, DR-SDL-DSN-LSS, LSS.	
22. Was Well Cored NO	
23. CASING RECORD (Report all Strings set in well)	
24. LINER RECORD	
25. TUBING RECORD	
26. Perforation record (interval, size, and number)	
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
28. PRODUCTION	
29. Disposition of Gas (Sold, used for fuel, vented, etc.)	
30. List Attachments DEVIATION SURVEY	

I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNATURE _____ TITLE Engr Asst DATE 4/24/95
TYPE OR PRINT NAME Monte C. Duncan Telephone No. 397-0418

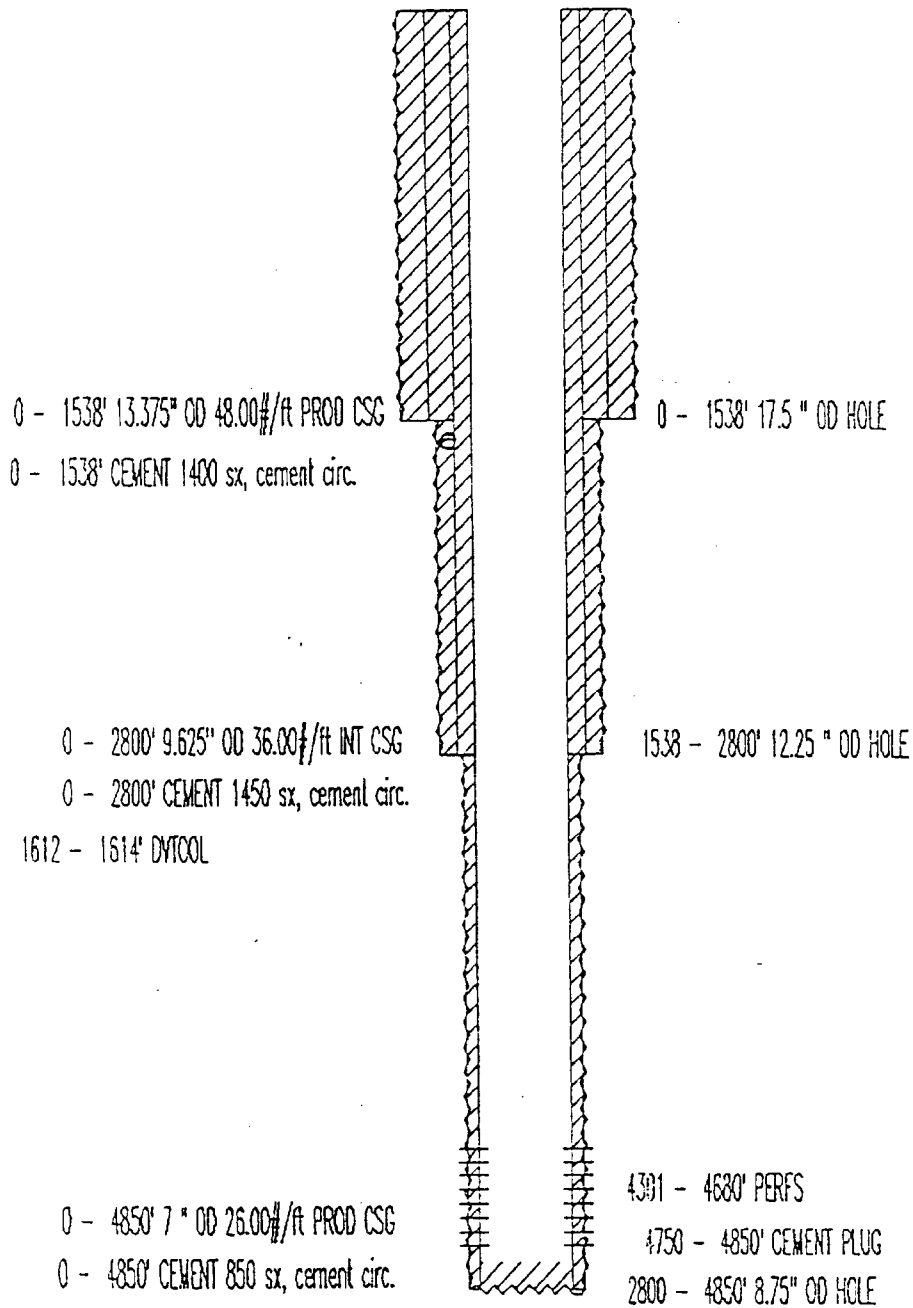
TEXACO E&P INC.
CENTRAL VACUUM UNIT NO. 290
API# 30 025 31197



670 FSL & 2630 FHL
SEC 36, T14N 17 S, RANGE 34 E
ELEVATION: 4009 KB
COMPLETION DATE: 07-29-91

COMPLETION INTERVAL: 4282 - 4770 (GBSA)

TEXACO E&P INC.
CENTRAL VACUUM UNIT NO. 221
API# 30 025 31195



660 FSL & 1330 FHL
SEC 36, TWN 17 S, RANGE 34 E
ELEVATION: 3999 GL
COMPLETION DATE: 07-30-91

COMPLETION INTERVAL: 4301 - 4680 (GESA)

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

J. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-34542
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	
7. Lease Name or Unit Agreement Name	CENTRAL VACUUM UNIT
8. Well No.	292
9. Pool Name or Wildcat	VACUUM GRAYBURG SAN ANDRES

WELL COMPLETION OR RECOMPLETION REPORT AND LOG															
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐															
b. Type of Completion: NEW WELL ☒ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER ☐															
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.															
3. Address of Operator 205 E. Bender, HOBBS, NM 88240															
4. Well Location Unit Letter <u>M</u> : <u>820</u> Feet From The <u>SOUTH</u> Line and <u>46</u> Feet From The <u>WEST</u> Line Section <u>36</u> Township <u>17S</u> Range <u>34E</u> NMPM <u>LEA</u> COUNTY															
10. Date Spudded 12/18/99		11. Date T.D. Reached 12/24/99		12. Date Compl. (Ready to Prod.) 1/8/00		13. Elevations (DF & RKB, RT, GR, etc.) 4004'		14. Elev. Csghead							
15. Total Depth 4850'		16. Plug Back T.D. 4759'		17. If Mult. Compl. How Many Zones?		18. Intervals Drilled By		19. Rotary Tools Cable Tools							
19. Producing Interval(s), of this completion - Top, Bottom, Name 4342-4716 GRAYBURG SAN ANDRES								20. Was Directional Survey Made YES							
21. Type Electric and Other Logs Run PLATFORM EXPRESS, DASGR, CORR LOG								22. Was Well Cored NO							
23. CASING RECORD (Report all Strings set in well)															
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENT RECORD		AMOUNT PULLED					
5/8"		28#		1574'		11"		550 SX		CIRC'D					
5 1/2"		15.5#		4850'		7 7/8"		850 SX		CIRC'D					
24. LINER RECORD										25. TUBING RECORD					
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE		DEPTH SET		PACKER SET	
26. Perforation record (interval, size, and number) 4342-4716' 2 JSPF, 120 DEG PHASING, 22.7 GM										27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 4342-4716' AMOUNT AND KIND MATERIAL USED 18000 GALS 15% HCL					
28. PRODUCTION															
Date First Production 1/13/00		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING CENTRILIFT PUMP						Well Status (Prod. or Shut-in) PROD							
Date of Test 1-18-00		Hours tested 24 HRS		Choke Size		Prod'n For Test Period		Oil - Bbl. 75		Gas - MCF 73		Water - Bbl. 1025		Gas - Oil Ratio	
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.		Oil Gravity - API -(Corr.)			
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD										Test Witnessed By					
30. List Attachments DEVIATIONS, SURVEY															
1. I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.															
SIGNATURE <u>J. Denise Leake</u> TITLE <u>Engineering Assistant</u>										DATE <u>2/10/00</u>					
TYPE OR PRINT NAME <u>J. Denise Leake</u>										Telephone No. <u>397-0405</u>					

VGSAU C-108 Application

Area of Review - New Mexico AE State

Operator	Lease Name	Well #	API #	S.T.R	Location	County	Surface Casing		Intermediate Casing		Production Casing		Top of Cement	Comp Date	Record of Completion		Status	Total Depth	
							Size (in)	Depth (ft)	Size (in)	Depth (ft)	Size (in)	Depth (ft)			Original	Current			
Bargo Petroleum	New Mexico AE State	4	300252001600000	12 185 34E	2310 FNL 2230 FWL	Lea	8-5/8	3135	5-1/2	4580	550	2-7/8	8900	1250	4560	m 1/25/63	8742 8852	idle	8900
Bargo Petroleum	New Mexico AE State	9	300252016500000	12 185 34E	990 FNL 1980 FWL	Lea	11-3/4	367	8-5/8	3150	1650	2-7/8	9179	1700	4470	c 7/27/63	8058-8870	idle	9179
Bargo Petroleum	New Mexico AE State	16	300252059900000	11 185 34E	860 FNL 1980 FWL	Lea	11-3/4	370	8-5/8	3320	1620	2-7/8	9040	1550	4734	c 1/20/64	8470 8693	idle	9040
Bargo Petroleum	New Mexico AE State	24	3002523398100000	11 185 34E	1850 FNL 550 FEL	Lea			8-5/8	1810	850	5-1/2	8900	860	4887	c 2/17/72	8344 8614	idle	8900
Bargo Petroleum	New Mexico AE State	25	300252508700000	11 185 34E	990 FNL 1780 FEL	Lea	13-3/8	40	8-5/8	1760	200	5-1/2	9050	1400	2504	c 10/20/75	8434 8663	idle	9050
Bargo Petroleum	New Mexico AE State	26	300252827100000	12 185 34E	2080 FNL 960 FWL	Lea	13-3/8	350	8-5/8	3139	1750	5-1/2	8850	1300	2773	c 10/26/83	8327-8820	idle	8850
Bargo Petroleum	New Mexico AE State	27	300253111400001	12 185 34E	2170 FNL 1650 FWL	Lea	8-5/8	1668	5-1/2	8218	2815	4	8005-8735	55	8005	m 3/18/58	8484-8630	idle	9000

circd

VGSAU C-108 Application

Area of Review - Other

Operator	Lease Name	Well #	API #	S.T.R.	Location Footages	County	Surface Casing		Intermediate Casing		Production Casing		Top of Cement	Comp Date	Record of Completion		Status	Total Depth		
							Size (in)	Depth (ft)	Cmnt (s+)	Size (in)	Depth (ft)	Cmnt (s+)			Size (in)	Depth (ft)			Cmnt (s+)	Original
CACTUS DRILLING CO EXXON CORPORATION HUMBLE OIL & REFIN CO Ory	GULF STATE	1	3002502376	12 185 34E	600 FNL 1860 FWL	Lea					No Data Available at District Office									
	New Mexico State BO	8	300250530	12 185 34E	580 FNL 1648 FLL	Lea	13-3/8	306	325	8-5/8	3398	650	4 1/2	9025	1150	2850	in	6/24/81	6415-8711	9025
	New Mexico State BO	7	3002520176	12 185 34E	695 FNL 330 FEL	Lea	13-3/8	302	325	8-5/8	3403	650	4-1/2	8896	1200	2100	m	4/21/83	8343-8544	9000
	State D	3	3002532288	31 175 35E	330 FSL 695 FWL	Lea	13-3/8	1463	1055	8-5/8	3200	815	5-1/2	8049	1010	0	in	1/9/94	7525-7844	Prod 8049

VGSAU C-108 Application

Area of Review - State 35 lease

Operator	Lease Name	Well #	API #	S-T-R	Location Footages	County	Surface Casing		Intermediate Casing		Production Casing		Top of Cement	Date Drilled	Record of Completion		Status	Total Depth
							Size (in)	Depth (ft)	Size (in)	Depth (ft)	Size (in)	Depth (ft)			Original	Current		
Phillips Petroleum	State 35	22	3002502219	35 17S 34E	1980 FSL 660 FEL	Lea	13-3/8	250	200	9-5/8	1572	250	7	4289	400	4324-4566	Prod	4650
Phillips Petroleum	State 35	19	3002502220	35 17S 34E	1980 FSL 1980 FWL	Lea	9-5/8	1536	875	7	4170	400	4-1/2	4778	160	4412-4664	Prod	4780
Phillips Petroleum	State 35	35	3002502221	35 17S 34E	660 FSL 660 FEL	Lea	9-5/8	1491	875				7	4096	400	4099-4721	Prod	4721
Phillips Petroleum	State 35	31	3002508455	35 17S 34E	660 FSL 1980 FWL	Lea	9-5/8	1595	900	7	4145	400	4-1/2	4744	160	4415-4651	Prod	4744
Phillips Petroleum	State 35	21	3002502222	35 17S 34E	1980 FSL 1980 FEL	Lea	9-5/8	1544	900				7	4098	400	4098-4699	Prod	4699
Phillips Petroleum	State 35	33	3002502223	35 17S 34E	660 FSL 1980 FEL	Lea	9-5/8	1523	623				7	4089	400	4089-4721	Prod	4721
Phillips Petroleum	State 35	36	3002520780	35 17S 34E	660 FSL 560 FEL	Lea	13-3/8	320	350	9-5/8	3250	400	4-1/2	10359 2-7/8 6-2/8 together	1197	9546-10044 5896-6110 4360-4670	Prod	10400
Phillips Petroleum	State 35	30	3002520782	35 17S 34E	960 FSL 1980 FEL	Lea	8-5/8	1600	700				4-1/2	8200	800	3004-3090 5944-6148 4385-4672	Prod	6200
Phillips Petroleum	M E Hale	11	3002520779	35 17S 34E	1880 FSL 2310 FWL	Lea	8-5/8	1595	750				4-1/2	6225	800	2997-3100 5014-5233 6060-6083	TA	6225
Phillips Petroleum	State 35	25	3002528055	35 17S 34E	1260 FSL 2630 FEL	Lea	10-3/4	1570	1100				7	4800	2000	4356-4700	Inj	4800
Phillips Petroleum	State 35	27	3002528056	35 17S 34E	1360 FSL 1210 FEL	Lea	10-3/4	1572	1100				7	4830	1795	4367-4690	Inj	4830
Phillips Petroleum	State 35	14	3002528057	35 17S 34E	2630 FSL 1330 FWL	Lea	8-5/8	1582	900				5-1/2	4800	1200	4457-4719	Inj	4830
Phillips Petroleum	State 35	16	3002528058	35 17S 34E	2630 FSL 2630 FWL	Lea	8-5/8	379	400				5-1/2	4800	1500	4422-4736	Inj	4800
Phillips Petroleum	State 35	17	3002528059	35 17S 34E	2630 FSL 1330 FEL	Lea	8-5/8	360	400				5-1/2	4900	1200	4389-4704	Inj	4800
Phillips Petroleum	State 35	23	3002528060	35 17S 34E	1310 FSL 1310 FWL	Lea	8-5/8	1571	1000				5-1/2	4800	1000	4410-4745	Inj	4800
Phillips Petroleum	State 35	29	3002528061	35 17S 34E	1410 FSL 10 FEL	Lea	13-3/8	1551	1600				5-1/2	4803	720	4320-4654	Inj	4803
Phillips Petroleum	State 35	37	3002528062	35 17S 34E	10 FSL 1210 FEL	Lea	13-3/8	1570	1650				5-1/2	4800	1300	4367-4710	Inj	4800
Phillips Petroleum	State 35	24	3002530614	35 17S 34E	1225 FSL 2000 FWL	Lea	13-3/8	1610	1500				5-1/2	4800	2000	4387-4680	Prod	4800
Phillips Petroleum	State 35	26	3002530615	35 17S 34E	1184 FSL 2040 FEL	Lea	13-3/8	1547	1500				5-1/2	4800	2160	4354-4645	Inj	4800
Phillips Petroleum	State 35	32	3002530616	35 17S 34E	650 FSL 2630 FWL	Lea	13-3/8	1608	1500				5-1/2	4800	2000	4411-4603	Prod	4800
Phillips Petroleum	State 35	34	3002530617	35 17S 34E	620 FSL 1250 FEL	Lea	13-3/8	1587	1500				5-1/2	4800	2000	4390-4566	Prod	4800
Phillips Petroleum	State 35	20	3002533416	35 17S 34E	1826 FSL 2430 FEL	Lea	8-5/8	1599	850				5-1/2	5000	1050	4410-4742	Prod	5000
Phillips Petroleum	State 35	28	3002533417	35 17S 34E	1170 FSL 660 FEL	Lea	8-7/8	1620	850				5-1/2	5000	1150	4373-4476	Prod	5000
Phillips Petroleum	State 35	15	3002533418	35 17S 34E	2527 FSL 1955 FWL	Lea	8-7/8	1575	800				5-1/2	5000	1650	4459-4788	Prod	5000
Phillips Petroleum	State 35	38	3002534277	35 17S 34E	1934 FSL 560 FEL	Lea	8-5/8	1602	450				5-1/2	4995	750	4329-4710	Prod	5000
Phillips Petroleum	State 35	18	3002533419	35 17S 34E	2600 FSL 660 FEL	Lea	8-5/8	1575	850				5-1/2	5000	625	4370-4420	Prod	5000

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-105
WELL FILE Revised 1-1-89

WELL API NO.

30-025-31872

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

B-2317-A

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER

2. Name of Operator
TEXACO EXPLORATION AND PRODUCTION INC.

8. Well No.
77

3. Address of Operator
P. O. Box 3109, Midland, Texas 79702

9. Pool name or Wildcat
VACUUM GLORIETA

4. Well Location

Unit Letter I: 2569 Feet From The SOUTH Line and 1226 Feet From The EAST Line

Section 35

Township 17-SOUTH

Range 34-EAST

NMPM LEA

County

10. Date Spudded
06-10-93

11. Date T.D. Reached
06-18-93

12. Date Compl. (Ready to Prod.)
06-25-93

13. Elevations (DF & RKB, RT, GR, etc.)
GR-4010', KB-4024'

14. Elev. Casinghead
4010'

15. Total Depth
6315'

16. Plug Back T.D.
6248'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools
0 - 6315'

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name
5911' - 6020'; GLORIETA

20. Was Directional Survey Made
YES

1. Type Electric and Other Logs Run
GR-DLL-MSFL, GR-DSN-SDL-CAL

22. Was Well Cored
NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1550'	11	CL-C 650 SX, CIRC. 58 SXS	
5 1/2	15.5# & 17#	6315'	7 7/8	CL-H 2480 SX, TOC @ 1990'	
				BY T.S., TOP OUT W/ 600	
				SX CL-H	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	5848'	5848'

26. Perforation record (interval, size, and number)
5911-5918, 5949-5968, 5985-6000, 6015-6020; 2 JSPF, 92 HOLES.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5911' - 6020'	ACID - 2000 GAL, 15% HCL

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas/Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

9. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By
EDDIE WELBORN

30. List Attachments

DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

Signature

C.P. Basham / SON

Printed Name

C.P. BASHAM

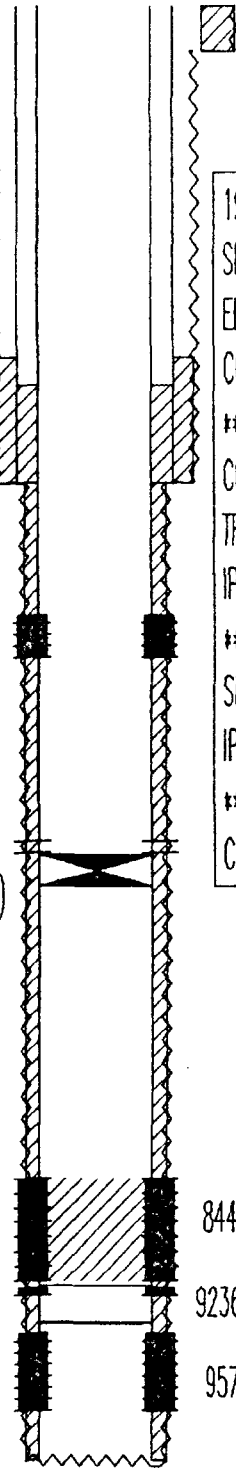
Title DRLG. OPER. MGR.

Date 06-29-93

UGWU #82

PHILLIPS
M E HALE NO. 9
API# 30025207810000

0 - 323' Cement 350 sx
0 - 323' 17.5" OD Openhole
0 - 323' 13.375" OD Surface Casing
323 - 3400' 12.25" OD Openhole
2500 - 3400' Cement 400 sx (CALC)
2700 - 10497' Cement 1090 sx (CALC)
0 - 3400' 9.625" OD Intermediate Casing
4353 - 4654' Abandoned Perfs
5914 - 6054' Perfs
6070 - 6299' CIBP (CMT CAP)
3400 - 10500' 8.75" OD Openhole
8444 - 9178' Cement Plug
9215 - 9220' Retainer
9500 - 9505' Packer
0 - 10497' 7" OD Production Casing



TD: 10500'

1980 FSL & 1785 FEL
SEC 35, TWN 17 S, RANGE 34 E
ELEVATION: 4013 GR
COMPLETION DATE: 06-10-64

COMPLETION INTERVAL: 5982 - 6004 (GLRT)
TRT: 1000 GALS ACID (5982 - 6004)
IP: 164 BOPD, 0 MCFD, 28 BWPD (FLOWING)

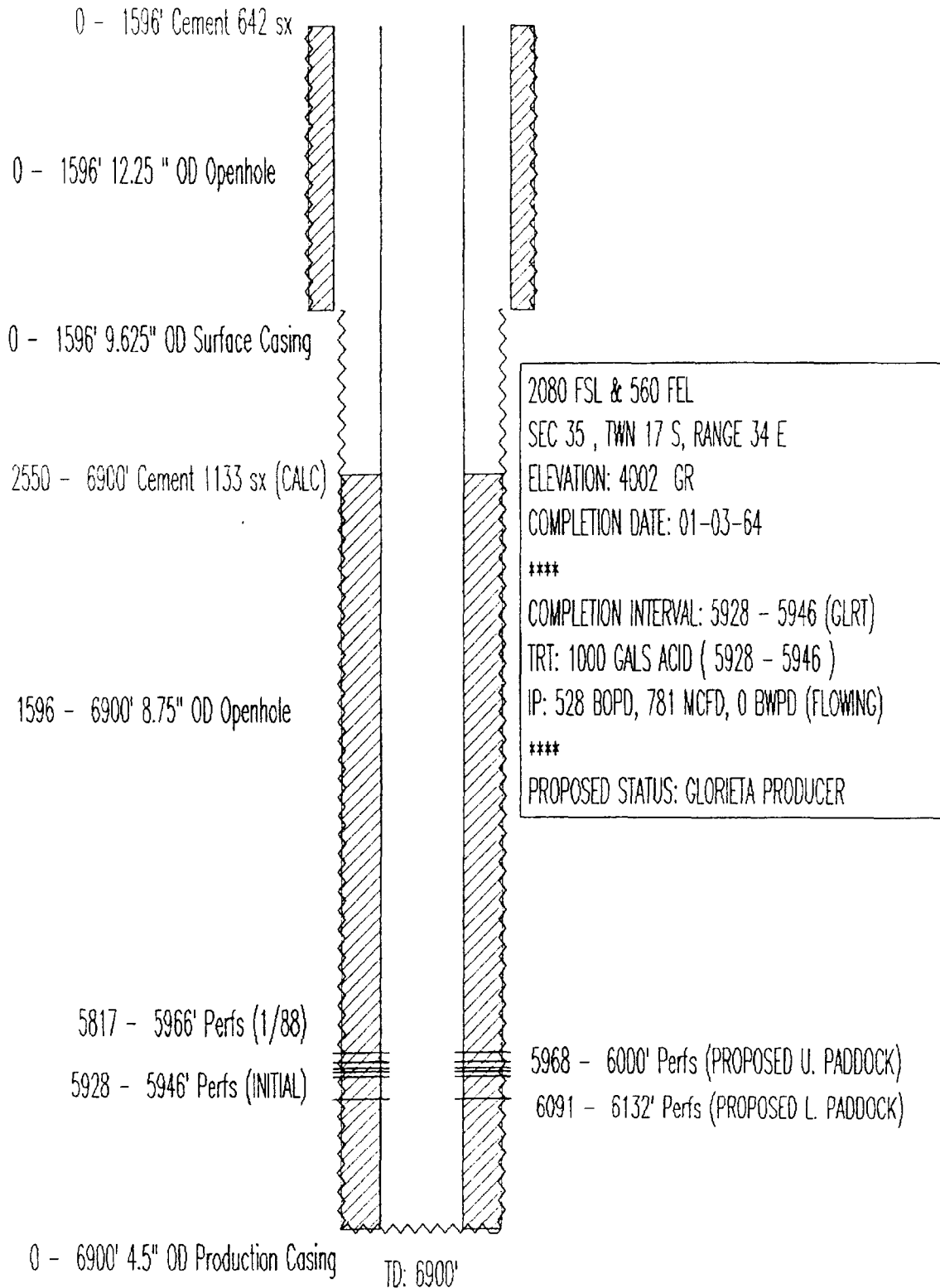
SECOND CMPL INTRVL: 9572 - 10134 (WFMP)
IP: 59 BOPD, 0 MCFD, 13 BWPD (PUMPING)

CURRENT STATUS: GLORIETA PRODUCER

8444 - 9178' Abandoned Perfs
9236 - 9294' Abandoned Perfs
9572 - 10134' Abandoned Perfs

VACUUM GLORIETA WEST UNIT 84
FORMER: PHILLIPS ME HALE #7
API# 3002520778

"PROPOSED WELLBORE DIAGRAM"



Submit to Appropriate
District Office
State Lease - 6 copies
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DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

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DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Mining and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

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

WELL API NO.	30 025 20778
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	B-2317

WELL COMPLETION OR RECOMPLETION REPORT AND LOG															
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER <u>HORIZONTAL LATERAL</u>					7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT										
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER															
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.					8. Well No. 84										
3. Address of Operator 205 E. Bender, HOBBS, NM. 88240					9. Pool Name or Wildcat VACUUM GLORIETA										
4. Well Location Unit Letter <u>I</u> <u>L</u> <u>560</u> Feet From The <u>EAST</u> Line and <u>2088</u> Feet From The <u>SOUTH</u> Line Section <u>35</u> Township <u>17S</u> Range <u>34E</u> NMPM <u>340</u> LEA COUNTY															
10. Date Spudded 6/25/98		11. Date T.D. Reached 7/5/98		12. Date Compl. (Ready to Prod.) 7/8/98		13. Elevations (DF & RKB, RT, GR, etc.) 4002'		14. Elev. Csghead							
15. Total Depth 6727'		16. Plug Back T.D. 6727'		17. If Mult. Compl. How Many Zones?		18. Intervals Drilled By		Rotary Tools Cable Tools							
19. Producing Interval(s), of this completion - Top, Bottom, Name 5804'-6727' O.H. UPPER PADDOCK								20. Was Directional Survey Made YES							
21. Type Electric and Other Logs Run CSG INSP LOG								22. Was Well Cored NO							
23. CASING RECORD (Report all Strings set in well)															
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENT RECORD		AMOUNT PULLED					
						No change									
24. LINER RECORD										25. TUBING RECORD					
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE		DEPTH SET		PACKER SET	
										2 3/8"		6712'			
26. Perforation record (interval, size, and number) 5804-6727' O.H.										27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
										DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
										5804-6727'		1000 GALS 15% HCL			
28. PRODUCTION															
Date First Production 7/15/98		Production Method (Flowing, gas lift, pumping - size and type pump) SUB PUMP								Well Status (Prod. or Shut-in) PROD					
Date of Test 7-21-98		Hours tested 24 HRS		Choke Size		Prod'n For Test Period		Oil - Bbl. 315		Gas - MCF 62		Water - Bbl. 516		Gas - Oil Ratio 193	
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.		Oil Gravity - API (Corr.)			
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD										Test Witnessed By					
30. List Attachment															
I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.															
SIGNATURE <u>J. Denise Leake</u>										TITLE <u>Engineering Assistant</u>		DATE <u>7/31/98</u>			
TYPE OR PRINT NAME <u>J. Denise Leake</u>										Telephone No. <u>397-0405</u>					



Lateral: 0		Proposed Direction: 90				Dog Leg Severity per: 100 feet		
Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100	0.39	224.72	100.00	-0.24	-0.24	-0.24	0.39	
200	0.16	247.72	200.00	-0.53	-0.61	-0.61	0.25	
300	0.09	321.02	300.00	-0.53	-0.79	-0.79	0.16	
400	0.27	161.45	400.00	-0.69	-0.76	-0.76	0.36	
500	0.01	71.42	500.00	-0.91	-0.68	-0.68	0.27	
600	0.12	183.95	600.00	-1.01	-0.68	-0.68	0.12	
700	0.19	156.68	700.00	-1.27	-0.62	-0.62	0.10	
800	0.21	143.62	800.00	-1.57	-0.44	-0.44	0.05	
900	0.12	89.54	900.00	-1.71	-0.23	-0.23	0.17	
1000	0.08	66.10	1000.00	-1.69	-0.06	-0.06	0.06	
1100	0.30	45.33	1100.00	-1.47	0.19	0.19	0.23	
1200	0.30	76.02	1199.99	-1.23	0.63	0.63	0.16	
1300	0.37	330.16	1299.99	-0.88	0.72	0.72	0.54	
1400	0.58	129.32	1399.99	-0.92	0.95	0.95	0.94	
1500	0.64	106.34	1499.99	-1.40	1.88	1.88	0.25	
1600	0.28	94.93	1599.98	-1.58	2.66	2.66	0.37	
1700	0.43	91.14	1699.98	-1.61	3.28	3.28	0.15	
1800	0.43	88.22	1799.98	-1.60	4.03	4.03	0.02	
1900	0.45	71.07	1899.98	-1.46	4.77	4.77	0.13	
2000	0.37	91.96	1999.97	-1.35	5.47	5.47	0.17	
2100	0.77	74.44	2099.97	-1.18	6.44	6.44	0.43	
2200	0.31	76.93	2199.96	-0.94	7.35	7.35	0.46	
2300	0.57	88.54	2299.96	-0.86	8.11	8.11	0.27	
2400	0.70	79.30	2399.95	-0.74	9.21	9.21	0.17	
2500	0.83	16.03	2499.95	0.07	10.01	10.01	0.81	
2600	0.66	3.60	2599.94	1.34	10.24	10.24	0.23	
2700	0.95	353.68	2699.93	2.74	10.19	10.19	0.32	
2800	1.06	359.32	2799.91	4.49	10.09	10.09	0.15	
2900	1.27	355.99	2899.89	6.52	10.00	10.00	0.22	
3000	0.73	7.74	2999.88	8.26	10.01	10.01	0.57	
3100	0.82	359.49	3099.87	9.60	10.09	10.09	0.14	
3200	0.70	347.91	3199.86	10.92	9.95	9.95	0.19	
3300	0.64	19.38	3299.85	12.04	10.01	10.01	0.37	
3400	0.70	18.15	3399.85	13.15	10.38	10.38	0.06	
3500	0.56	358.84	3499.84	14.22	10.56	10.56	0.25	
3600	0.51	2.83	3599.84	15.15	10.58	10.58	0.06	
3700	0.65	20.26	3699.83	16.13	10.80	10.80	0.22	
3800	0.60	7.81	3799.82	17.18	11.06	11.06	0.14	
3900	0.51	54.67	3899.82	17.95	11.50	11.50	0.45	
4000	0.66	47.45	3999.81	18.60	12.28	12.28	0.17	
4100	0.74	74.59	4099.81	19.16	13.33	13.33	0.34	
4200	0.70	71.06	4199.80	19.53	14.53	14.53	0.06	
4300	0.59	69.81	4299.79	19.91	15.59	15.59	0.11	
4400	0.64	90.12	4399.79	20.09	16.63	16.63	0.22	
4500	1.05	78.01	4499.78	20.27	18.09	18.09	0.45	
4600	1.23	72.29	4599.76	20.79	20.01	20.01	0.21	
4700	1.47	70.04	4699.73	21.56	22.24	22.24	0.25	
4800	1.27	75.81	4799.70	22.26	24.52	24.52	0.24	
4900	1.02	53.86	4899.68	23.06	26.31	26.31	0.50	
5000	1.30	56.56	4999.66	24.21	27.97	27.97	0.29	
5100	1.14	70.77	5099.64	25.16	29.86	29.86	0.34	



5200	0.87	77.69	5199.62	25.65	31.54	31.54	0.30	
5300	1.16	77.15	5299.61	26.04	33.27	33.27	0.29	
5400	0.79	78.17	5399.59	26.41	34.93	34.93	0.37	
5500	1.00	64.36	5499.58	26.93	36.39	36.39	0.30	
5600	0.44	36.88	5599.57	27.61	37.41	37.41	0.64	
5700	0.75	7.79	5699.57	28.57	37.73	37.73	0.42	
5718	0.53	31.47	5717.57	28.75	37.79	37.79	1.89	GYRO
5804	3.70	90.00	5803.50	29.09	40.77	40.77	4.02	
5819	11.80	89.60	5818.35	29.10	42.79	42.79	54.00	
5835	19.60	89.10	5833.74	29.16	47.12	47.12	48.76	
5851	26.40	93.80	5848.46	28.96	53.36	53.36	43.99	
5867	34.20	93.60	5862.27	28.45	61.41	61.41	48.75	
5882	41.00	92.50	5874.14	27.97	70.54	70.54	45.55	STEER
5899	49.50	87.80	5886.10	27.97	82.60	82.60	53.69	
5914	56.20	90.10	5895.16	28.18	94.54	94.54	46.30	
5930	63.00	92.40	5903.25	27.87	108.33	108.33	44.27	STEER
5961	75.20	91.50	5914.29	26.89	137.22	137.22	39.45	
5992	82.00	90.50	5920.41	26.37	167.59	167.59	22.16	
6023	83.40	89.90	5924.35	26.26	198.33	198.33	4.91	
6055	80.40	90.50	5928.86	26.15	230.01	230.01	9.56	
6086	81.30	89.80	5933.79	26.07	260.62	260.62	3.66	
6118	86.00	90.60	5937.33	25.96	292.41	292.41	14.90	
6149	91.20	92.50	5938.09	25.12	323.38	323.38	17.86	
6181	91.10	93.70	5937.44	23.39	355.32	355.32	3.76	
6213	91.20	92.90	5936.80	21.55	387.26	387.26	2.52	
6244	90.30	91.90	5936.40	20.25	418.23	418.23	4.34	
6276	92.20	91.30	5935.70	19.36	450.21	450.21	6.23	
6307	93.40	92.60	5934.18	18.30	481.15	481.15	5.70	
6339	93.30	92.30	5932.31	16.94	513.07	513.07	0.99	
6370	92.30	94.10	5930.80	15.21	543.98	543.98	6.64	
6402	91.80	94.70	5929.65	12.76	575.87	575.87	2.44	
6433	89.70	95.70	5929.25	9.95	606.74	606.74	7.50	
6464	88.00	93.10	5929.87	7.57	637.64	637.64	10.02	
6496	88.30	90.00	5930.90	6.70	669.60	669.60	9.73	
6527	90.00	89.60	5931.36	6.81	700.60	700.60	5.63	
6558	93.10	89.60	5930.52	7.03	731.58	731.58	10.00	
6590	94.60	89.20	5928.38	7.36	763.51	763.51	4.85	
6621	95.30	90.00	5925.70	7.58	794.39	794.39	3.42	
6652	92.00	90.50	5923.73	7.44	825.32	825.32	10.77	
6684	88.60	89.50	5923.56	7.44	857.32	857.32	11.07	
6705	89.10	90.00	5923.98	7.53	878.31	878.31	3.37	STEER
6727	89.10	90.00	5924.33	7.53	900.31	900.31	0.00	PROJECT

Lateral: 1		Proposed Direction: 90				Dog Leg Severity per: 100 feet		
Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
5718	0.53	31.47	5717.56	28.75	37.79	37.79	0.00	GYRO

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30 025 20778
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	B-2317
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	84
9. Pool Name or Wildcat	VACUUM GLORIETA
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	4002'

SUNDRY NOTICES AND REPORTS ON WELL
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER HORIZONTAL LATERAL

2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator 205 E. Bender, HOBBS, NM 88240

4. Well Location
Unit Letter I Feet From The EAST Line and 2080 Feet From The SOUTH Line
Section 35 Township 17S Range 34E NMPM LEA COUNTY

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: HORIZONTAL LATERAL ☒

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6-25-98: MIRU.
6-26-98: TOH W/2 3/8" TBG. SLM @ 5629'. TIH W/CSG SCRAPER & BIT. TIH W/GAUGE RING W/JNK BSKT TO 6000' FOR CCL LOG. TIH W/CIBP & SET @ 5806'. TIH W/2 3/8" TBG TO 5629'.
6-27-98: TIH W/5 JTS TO 5796'. TOH W/TBG. LD 160 JTS. SET PKR. PMP DN TBG. PKR @ 310'. RUN CSG INSP LOG FR 5806-4700' & 1300-1000'.
6-28-98: NDBOP. INSTL NEW SEAL. PSI TEST CSG, BOPS & FLANGES. NO LEAKS.
6-30-98: RU DRLG OPERATIONS. UNLOAD DP W/CONNECTIONS. HU FLOWLINE. TIH W/MILLS. TOH W/DP. TIH W/WHIPSTOCK.
7-01-98: RU WIRELINE EQPT FOR GYRO. RU GYRO. TOH W/DP. TIH W/CSG MILL.
7-02-98: DRILLING. TD @ 6727' @ 12:45 AM 7-05-98.
7-06-98: LD RBP. TIH & SET RBP @ 5000'. PRESS TEST TO 500 PSI-OK. LDDP. RIG DOWN.
7-09-98: UNLOAD 2 3/8" TBG. PU RETR HEAD & TIH TO 5000'. REL RBP @ 5000'. PU 2 JTS 2 3/8" TBG & PKR.
7-10-98: TIH W/TBG. RAN PKR & SET @ 5758.78'. RE-ENTRY GUIDE @ 5832.40' KB. NU TREE & PSI TEST CSG TO 700#.
7-14-98: INSTL SENSOR ON COIL TBG. TIH W/TBG TO 6712'. CIRC 1000 GALS 15% HCL ACR FORM. CIRC OUT ACID.
7-15-98: OPEN WELL ON 8/64 CHOKE & FLOW WELL TO TEST TANK.
7-16-98: REL PKR & PULL TBG.
7-18-98: FLOW TBG TO TANK UNTIL DIED. ND FRAC TREE. REL PKR. TOH & LD PKR. TIH W/15 STD KILL STRING.
7-19-98: TIH W/12 STDS & SET RBP @ 750'. NDBOP & DRLG FLANGE. NU TBG HD & BOP. TIH & REL RBP. TIH W/SUB PUMPS & MOTOR ON 2 3/8" TBG. SET PUMP @ 5736'. NDBOP. NU WELL. CONNECT ELEC & NU TO FLOW LINE. WELL ON PUMP @ 6:00 PM.
7-21-98: ON 24 HR OPT. PUMPED 315 BO, 516 BW, & 62 MCF.
FINAL REPORT

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 7/31/98

TYPE OR PRINT NAME

J. Denise Leake

Telephone No. 397-0405

(This space for State Use)

ORIGINAL FILED BY OCM/10/11/98

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Hobbs

WELL FILE

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

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

WELL API NO.

30-025-31873

5. Indicate Type of Lease

STATE ☒FEE ☐

6. State Oil & Gas Lease No.

B-2317-1-A

7. Lease Name or Unit Agreement Name

VACUUM GLORIETA WEST UNIT

8. Well No.

91

9. Pool name or Wildcat

VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF RESVR ☐OTHER ☐

2. Name of Operator

TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator

P. O. Box 3109, Midland, Texas 79702

4. Well Location

Unit Letter 1 : 1459 Feet From The SOUTH Line and 1048 Feet From The EAST Line

Section 35

Township 17-SOUTH

Range 34-EAST

NMPM LEA

County

10. Date Spudded

06-19-93

11. Date T.D. Reached

06-28-93

12. Date Compl. (Ready to Prod.)

07-07-93

13. Elevations (DF & RKB, RT, GR, etc.)

GR-4010', KB-4024'

14. Elev. Casinghead

4010'

15. Total Depth

6315'

16. Plug Back T.D.

6186'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

0 - 6315'

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

5874' - 6009'; GLORIETA

20. Was Directional Survey Made

YES

21. Type Electric and Other Logs Run

GR-DLL-MSFL, GR-DSN-SDL-CAL

22. Was Well Cored

NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1545'	11	CL-C 650 SX, CIRC. 167 SX	
5 1/2	15.5# & 17#	6315'	7 7/8	CL-H 1900 SX, CIRC. 150 SX	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	5817'	5817'

26. Perforation record (interval, size, and number)

5874-5878, 5881-5888, 5918-5926, 5951-5990, 5996-6009; 2 JSPF, 142 HOLES

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5874' - 6009'	ACID - 3000 GAL, 15% HCL

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
						SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By
RANDY TRAMMEL

30. List Attachments

DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

C. P. Basham / SDH

Printed

Name C. P. BASHAM

Title DRLG. OPER. MGR.

Date 07-08-93

Hobbs Area / Monte

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

Submit to Appropriate
District Office
State Leases - 6 copies
Fee Leases - 5 copies

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL AP NO.

30-025-32263

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.
B-2317

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

1b. Type of Completion:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESER ☐ OTHER ☐

2. Name of Operator

TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator

P. O. Box 3109, Midland, Texas 79702

8. Well No.

98

9. Pool name or Wildcat

VACUUM GLORIETA

4. Well Location

Unit Letter P : 937 Feet From The SOUTH Line and 532 Feet From The EAST Line

Section 35

Township 17-SOUTH

Range 34-EAST

NMPM LEA

County

10. Date Spudded

01-15-94

11. Date T.D. Reached

01-23-94

12. Date Compl. (Ready to Prod.)

02-04-94

13. Elevations (DF& RKB, RT, GR, etc.)

GR-4007', KB-4021'

14. Elev. Casinghead

4007'

15. Total Depth

6269'

16. Plug Back T.D.

6135'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

0 - 6269'

Cable Tools

19. Producing interval(s), of this completion - Top, Bottom, Name

5876' - 5988'; GLORIETA

20. Was Directional Survey Made

YES

21. Type Electric and Other Logs Run

GR-DLL-MSFL-CSL-CAL, GR-SDL-DSN-CSNG-CAL, GR-CCL

22. Was Well Cored

NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1500'	11	CL-C 650 SX, CIRC. 96 SX	
5 1/2	15.5#	6269'	7 7/8	CL-H 1925 SX, CIRC. 39 SX	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD	SIZE	DEPTH SET	PACKER SET
					2 7/8	6014'		

26. Perforation record (interval, size, and number)

5876-5884, 5898-5904, 5932-5988; 2 JSPF, 140 HOLES.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

5876' - 5988' ACID: 6000 GAL., 15% HCL

28. PRODUCTION

Date First Production

02-06-94

Production Method (Flowing, gas lift, pumping - Size and type pump)

PUMPING - 2.5 X 1.5 X 24

Well Status (Prod. or Shut-in)

PRODUCING

Date of Test

02-08-94

Hours Tested

24

Choke Size

Prod'n For Test Period

Oil - Bbl.

155

Gas - MCF

33

Water - Bbl.

40

Gas - Oil Ratio

213.2

Flow Tubing Press.

Casing Pressure

Calculated 24-Hour Rate

Oil - Bbl.

Gas - MCF

Water - Bbl.

Oil Gravity - API - (Corr.)

38.40

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

30. List Attachments

DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

C.P. Basham / SDH

Printed Name

C.P. BASHAM

Title DRLG. OPER. MGR.

Date 02-11-94

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	3002532263
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	98
9. Pool Name or Wildcat	VACUUM GLORIETA

SUNDRY NOTICES AND REPORTS ON WELL
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:	OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. Name of Operator	TEXACO EXPLORATION & PRODUCTION INC.
3. Address of Operator	205 E. Bender, HOBBS, NM 88240
4. Well Location	Unit Letter <u>P</u> : <u>937</u> Feet From The <u>SOUTH</u> Line and <u>532</u> Feet From The <u>EAST</u> Line Section <u>35</u> Township <u>17-S</u> Range <u>34-E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	4007'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☒ Lateral Horizontal

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

5-21-99: CONSTRUCT RESERVE PIT. MOVE PUMP JACK.
5-22-99: BLEED CSG & TBG DN. PUMP 30 BBLS FW DN CSG & TBG. NUBOP. TEST TO 1000 PSI.-OK.TIH W/BIT, CSG SCRAPER & TBG. TAG BTM @ 6110'. WRK CSG SCRAPER FR 5700-6110'.
5-23-99: KILL W/10 BFW. RU WL & TIH W/JNK BASKET & GAUGE RING. TIH W/PROF NIP, TBG & PKR. PKR @ 5869'. TIH W/GYRO TOOL. TIH W/TBG & TAG PKR @ 5867'.
5-25-99: NUBOP & FLOWLINE. TEST BOP TO 1000 PSI-OK. TAG TIW PKR @ 5862'.
5-26-99: TIH W/WHIPSTOCK. TIH W/MILLS & ILL 5829-5835'. TIH W/BHA. BREAK CIRC. RU WL TRUCK. TIH W/GYRO ASSEMBLY.DRLG CURVE 5839-5843'.
5-27-99: SLIDE DRILL 5843-5858,5890,6002,6005,6075,6085,6110'.
5-28-99: SLIDE DRILL 6110-6125,5142,6162,6173,6220,6236,6245,6251,6319-6345. MADE CHANGE IN TARGETS @ 6236'.
5-29-99: SLIDE DRILL 6345-6363,6371. SHUT DOWN DRILLING TO SIDTRACT-OUT OF ZONE. TOH W/DP. PU SWIVAL.SLIDE DRILL 6040-6042,6046,6062,6079,6089,6142,6173,6205,6236,6249,6273.
5-30-99: SLIDE DRILL FR 6273-6283,6299.TOH W/BHA #2. CHANGE OUT MOTOR. TIH W/BHA #3. ROTARY DRILL FR 6299-6385.
5-31-99: ROTARY DRILL 6385-6425,6430,6450. DRILL 50 MORE FEET & CIRC SAMPLES. TORARY DRILL FR 6450-6500,6520,6583.
6-01-99: SLIDE DRILL FR 6583-6588,6615,6620,6710. TIH W/DP TO TOP OF WHIPSTOCK. LATCH INTO WHIPSTOCK & JAR ON WHIPSYOCXK. LD COLLAR, WHIPSTOCK. LATCH IN ASSEMBLY. TIH W/BHA & DP. TRY TO STING INTO TIW PKR SET @ 5862'. ABLE TO ONLY GET TO 5857'.
6-02-99: RU SWIVEL. WSH FILL OFF TOP OF PKR. CIRC HLE CLN W/SWEEP. TOP OF WHIPSTOCK @ 5809'. BTM @ 5818'. START CUTTING WINDOW. MILL WINDOW TO 5818'. TIH W/GYRO.
6-03-99: TIME DRILL 2 FT/HR 5824-5826'. SLIDE DRILL 5826-5830',5860,5940.
6-04-99: TIME DRILL 5850-5853'. SLIDE DRILL TO 5861. TIME DRILL 5817-5820,5824. SLIDE DRILL TO 5830',5861,6017.
6-06-99: SLIDE DRILL 6017-6037'. TIH W/BHA #5. SLIDE DRILL 142 FT, ROTARY DRILL 714 FT.
6-06-99: CIRC HLE @ TD, 6873' TVD. PU RBP & RIH @ 5750'. TEST TO 1000 PSI. NDFL. CHANGE OUT BOPS. REL RIG.
6-10-99: UNLOAD & RACK 2 7/8" TBG. PU RBP RETR HEAD, STRAP & PU TABG. TAG RBP W/186 JTS @ 5750'. REL PLUG. PU PKR. TIH W/30 STANDS OF TBG.

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 7/26/99

PE OR PRINT NAME

J. Denise Leake

Telephone No. 397-0405

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

6-11-99: OPEN WELL UP. TIH W/TBG TO 5768'. SET PKR. TEST PKR & PIPE RAMS TO 500 PSI-OK.

6-12-99: REL PKR. REM SN. PU RE-ENTRY GUIDE, TBG & PKR. TIH W/TBG. PSA 5769'. BTM OF RE-ENTRY GUIDE @ 5826'. BTM OF WINDOW @ 5818'. RIG DOWN SERVICE UNIT.

6-15-99: MIRU COIL TBG UNIT. UNABLE TO GET PAST 5863'. PULL BACK TO RE-ENTRY GUIDE @ 5826'. UNABLE TO GET PAST 5863'. (THE 1ST QUITTING POINT OF 1ST LATERAL). OPEN PKR BYPASS. PSA 5738'. BTM OF REENTRY GUIDE @ 5795'. BTM OF UPPER WINDOW @ 5818'. TOP @ 5809'. RU COIL TBG UNIT. TIH W/COIL TBG TO 5850'. C/O TO 6869'. FOAM FR BTM W/70 QUALITY FOAM & START ACID JOB. ACIDIZE W/16,860 GALS 15% HCL & 300 BBLS 2% KCL WTR.

6-16-99: ACIDIZE W/COIL TBG STAGES 4-9 W/15% ACID. RIG DOWN COIL TBG.

6-17-99: RU SWAB. FL @ 2200'. END FL @ 3300'.

6-18-99: REL PKR. TIH W/HOOK, BMPR SUBS, JARS & DC'S. LATCH ON WHIPSTOCK & JAR FEE. TIH W/OVERSHOT, GRAPPLE, BS, JARS, DC'S. CAUGHT FISH.

6-19-99: TIH W/SHORT CATCH OVERSHOT, JARS, DC'S. CATCH FSH & START JARRING W/20 K OVER. FSH REL. TIH W/PROD STRING.

6-20-99: TIH W/BENT SUB, PKR, TBG. SET PKR & INSTL TREE ON BOP. RIG DOWN SERVICE UNIT. PKR SET @ 5823'.

6-22-99: ACIDIZE W/21000 GALS 15% HCL & 20000 GALS WF130. FLSH TO BTM PERF SUB W/63 BBLS 2%. WELL ON VAC.

6-23-99: RU TO SWAB. FL @ 4000'. END FL @ 4200'.

6-24-99: ND FRAC TREE. REL PKR. TIH W/MA, PERF SUB, SN, & TBG.

6-25-99: TAG TIW PKR @ 5864'. PULL UP TO 1ST COLLAR & SET TA W/16K TENSION. NDBOP. NU TBG FLANGE & CHANGE OVER TO RUN RDS. INSTL ROD BOP. TIH W/GAS ANCHOR, PUMP, RDS. TEST TBG & PUMP SEAT W/25 BW.

6-26-99: RU PUMP UNIT. PUMPING.

7-09-99: MIRUSU. BLOW DN GAS FR CSG. UNSEAT PUMP. PUMP FW DN TBG. REL TA. NUBOP.

7-10-99: TIH W/PUMP, CABLE, & TBG. STRIP OFF BOP. LAND TBG IN NEW WH. RIG DOWN SU.

7-14-99: ON 24 HR OPT. PUMPED 216 BO, 523 BW, & 63 MCF.

FINAL REPORT

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	3002532263
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lea	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG															
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____					7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT										
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER ☐ HORIZONTAL															
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.					8. Well No. 98										
3. Address of Operator 205 E. Bender, HOBBS, NM 88240					9. Pool Name or Wildcat VACUUM GLORIETA										
4. Well Location Unit Letter <u>P</u> : <u>937</u> Feet From The <u>SOUTH</u> Line and <u>532</u> Feet From The <u>EAST</u> Line Section <u>35</u> Township <u>17-S</u> Range <u>34-E</u> NMPM <u>LEA</u> COUNTY															
10. Date Spudded 5/21/99		11. Date T.D. Reached 6/6/99		12. Date Compl. (Ready to Prod.) 6/15/99		13. Elevations (DF & RKB, RT, GR, etc.) 4007'		14. Elev. Csghead							
15. Total Depth 6873'		16. Plug Back T.D.		17. If Mult. Compl. How Many Zones?		18. Intervals Drilled By		Rotary Tools Cable Tools							
19. Producing Interval(s), of this completion - Top, Bottom, Name OPEN HOLE - BOTH LATERALS								20. Was Directional Survey Made YES							
21. Type Electric and Other Logs Run								22. Was Well Cored NO							
23. CASING RECORD (Report all Strings set in well)															
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENT RECORD		AMOUNT PULLED					
						NO CHANGE									
24. LINER RECORD										25. TUBING RECORD					
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE		DEPTH SET		PACKER SET	
										2 7/8"		MD 5832'			
26. Perforation record (interval, size, and number) Open Hole-Both Laterals										27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
										DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
										OPEN HOLE		16860 gals 15% HCL			
												21000 gals 15% HCL			
												20000 gals WF130			
28. PRODUCTION															
Date First Production 6/27/99		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING 2 1/2"x2"x24'								Well Status (Prod. or Shut-in) PROD.					
Date of Test 7-14-99		Hours tested 24 hrs.		Choke Size		Prod'n For Test Period		Oil - Bbl. 216		Gas - MCF 63		Water - Bbl. 523		Gas - Oil Ratio	
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.		Oil Gravity - API -(Corr.)			
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD										Test Witnessed By					
30. List Attachment DIRECTIONAL SURVEY															
hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.															
SIGNATURE <u>J. Denise Leake</u> TITLE <u>Engineering Assistant</u> DATE <u>7/26/99</u>															
TYPE OR PRINT NAME <u>J. Denise Leake</u> Telephone No. <u>397-0405</u>															

SCIENTIFIC DRILLING
HORIZONTAL SURVEY PROGRAM
MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E & P, INC. WELL: VGWU #98 LOCATION: LEA COUNTY, NEW MEXICO JOB NO:						START: 5/26/99 FINISH: INFORMATION PROVIDED BY: DIRECTIONAL COORDINATOR: Lamb, Hoffman					
DIP1 = -1.72 deg = 88.28 deg TARGET1 = 5.960 ft TVD VS1 = 474 ft						MAG DECLINATION TRUE					
DIP2 = -1.72 deg = 88.28 deg TARGET2 = 5.975 ft TVD VS2 = 948 ft						DIRECTION: 161.50					
SVY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	TRUE VERTICAL DEPTH	VERTICAL SECTION	DLS/100	CENTER LINE ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)	QUAD FORMAT
TIE	5829	1.2	77.6	5827.4	5.8	0.0	118.5	-109.7	29.3	105.9	N 77.6 E
1	5883	25.2	144.8	5879.6	17.1	45.9	66.6	-113.6	19.9	113.2	S 35.2 E
2	5893	29.8	144.8	5888.5	21.5	46.0	57.9	-115.0	16.1	115.8	S 35.2 E
3	5903	34.6	144.4	5897.0	26.6	48.0	49.6	-116.5	11.8	118.9	S 35.6 E
4	5913	39.4	144.4	5905.0	32.3	48.0	41.8	-118.3	6.9	122.4	S 35.6 E
5	5923	44.1	143.7	5912.4	38.7	47.2	34.5	-120.3	1.5	126.3	S 36.3 E
6	5933	49.0	143.0	5919.3	45.6	49.3	27.8	-122.6	-4.3	130.7	S 37.0 E
7	5943	53.7	142.0	5925.5	53.0	47.6	21.8	-125.1	-10.5	135.4	S 38.0 E
8	5953	58.3	142.0	5931.1	60.8	46.0	16.5	-127.9	-17.1	140.5	S 38.0 E
9	5963	62.9	142.0	5936.0	69.0	46.0	11.8	-130.8	-23.9	145.9	S 38.0 E
10	5968	74.5	140.6	5945.1	80.8	46.7	3.4	-138.8	-42.1	160.4	S 39.4 E
11	5998	78.5	140.6	5947.4	99.9	40.0	1.3	-142.3	-49.6	166.6	S 39.4 E
	6018	82.9	141.3	5950.7	118.4	22.3	-1.3	-149.2	-64.9	179.0	S 38.7 E
	6028	84.8	141.6	5951.7	127.7	18.2	-2.1	-152.6	-72.7	185.2	S 38.4 E
14	6048	88.1	142.7	5953.0	146.5	17.4	-2.8	-159.2	-88.4	197.5	S 37.3 E
15	6072	89.2	143.0	5953.5	169.3	4.8	-2.7	-166.9	-107.6	212.0	S 37.0 E
16	6105	89.1	145.1	5954.0	200.7	6.4	-2.2	-176.8	-134.3	231.4	S 34.9 E
17	6135	88.5	148.0	5954.7	229.7	9.9	-2.0	-184.5	-159.3	247.9	S 32.0 E
18	6167	88.3	151.5	5955.5	261.0	11.0	-1.9	-191.0	-186.9	264.0	S 28.5 E
19	6198	88.4	156.0	5956.4	291.7	14.5	-1.9	-195.2	-214.7	277.7	S 24.0 E
20	6230	88.4	159.6	5957.3	323.6	11.2	-1.9	-197.3	-244.3	289.8	S 20.4 E
21	6261	90.0	162.7	5957.8	354.6	11.3	-1.4	-197.5	-273.6	299.8	S 17.3 E
22	6293	90.5	167.6	5957.6	386.6	15.4	-0.3	-185.4	-304.6	308.0	S 12.4 E
23	6325	90.7	172.6	5957.3	418.2	15.4	1.0	-190.7	-336.1	313.5	S 7.4 E
24	6334	90.2	174.0	5957.2	427.0	16.5	1.4	-188.8	-345.0	314.5	S 6.0 E
BIT	6371	90.2	181.0	5957.1	462.5	18.9	2.6	-178.6	-382.0	316.2	S 1.0 W

ORIGINAL LATERAL-L1

SCIENTIFIC DRILLING
HORIZONTAL SURVEY PROGRAM
MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E & P, INC. WELL: VGWU #98 SIDETRACK LOCATION: LEA COUNTY, NEW MEXICO JOB NO: 32D0599111						START: 5/26/99 FILE: FINISH: INFORMATION PROVIDED BY: DIRECTIONAL COORDINATOR: Lamb, Hoffman					
DIP1 = -1.00 deg = 89.00 deg TARGET1 = 5.972 ft TVD VS1 = 1.038 ft						MAG DECLINATION TRUE					
DIP2 = -1.00 deg = 89.00 deg TARGET2 = 5.972 ft TVD VS2 = 1.038 ft						DIRECTION: 141.92					
SVY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	TRUE VERTICAL DEPTH	CENTER LINE VERTICAL SECTION	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)	QUAD FORMAT
11	5998	78.5	140.6	5947.4	141.8	40.0	8.9	-100.6	-49.6	166.6	S 39.4 E
12	6018	82.9	141.3	5950.7	161.5	22.3	6.0	-100.9	-64.9	179.0	S 38.7 E
13	6028	84.8	141.6	5951.7	171.5	19.2	5.1	-101.0	-72.7	185.2	S 38.4 E
14	6040	86.8	142.3	5952.6	183.4	17.4	4.5	-101.0	-82.1	192.6	S 37.7 E
15	6052	86.6	138.8	5953.3	195.4	28.8	4.0	-101.3	-91.3	200.2	S 41.2 E
16	6062	87.0	138.1	5953.9	205.4	8.1	3.6	-101.9	-98.8	206.9	S 41.9 E
17	6072	87.5	137.4	5954.3	215.3	8.6	3.3	-102.6	-106.2	213.6	S 42.6 E
18	6105	89.5	138.5	5955.2	248.2	6.9	3.0	-104.9	-130.7	235.7	S 41.5 E
19	6136	91.6	143.4	5954.9	279.2	17.2	3.8	-105.4	-154.8	255.2	S 36.6 E
20	6168	91.8	144.4	5954.0	311.2	3.2	5.4	-104.3	-180.6	274.0	S 35.6 E
21	6199	88.4	149.4	5953.9	342.1	19.5	5.9	-101.6	-206.6	291.0	S 30.6 E
	6231	89.9	149.0	5954.4	373.8	4.9	6.0	-97.6	-234.1	307.3	S 31.0 E
	6261	91.0	148.7	5954.1	403.6	3.8	6.8	-94.0	-259.7	322.9	S 31.3 E
24	6294	89.2	148.3	5954.1	436.4	5.6	7.4	-90.2	-287.9	340.1	S 31.7 E
25	6325	89.6	149.0	5954.4	467.1	2.6	7.6	-86.5	-314.3	356.2	S 31.0 E
26	6357	89.9	149.7	5954.6	498.9	2.4	8.0	-82.4	-341.9	372.5	S 30.3 E
27	6387	90.1	150.8	5954.6	528.5	3.7	8.6	-78.1	-367.9	387.4	S 29.2 E
28	6411	90.0	151.1	5954.5	552.3	1.3	9.0	-74.3	-388.9	399.1	S 28.9 E
29	6450	89.0	149.7	5954.9	590.8	4.4	9.3	-68.5	-422.8	418.3	S 30.3 E
30	6483	89.6	150.1	5955.3	623.5	2.2	9.5	-64.0	-451.3	434.9	S 29.9 E
31	6515	86.2	149.7	5956.4	655.2	10.7	8.9	-59.5	-479.0	450.9	S 30.3 E
32	6545	84.8	148.7	5958.8	684.8	5.7	7.0	-55.7	-504.7	466.2	S 31.3 E
33	6577	84.5	147.6	5961.8	716.5	3.5	4.6	-52.3	-531.8	483.1	S 32.4 E
34	6608	86.1	147.3	5964.3	747.3	5.3	2.6	-49.3	-557.8	499.7	S 32.7 E
35	6640	87.1	146.9	5966.2	779.1	3.4	1.3	-46.4	-584.6	517.0	S 33.1 E
36	6671	86.9	145.1	5967.8	809.9	5.8	0.2	-44.2	-610.3	534.3	S 34.9 E
BIT	6710	86.9	145.1	5970.0	848.8	0.0	-1.3	-42.0	-642.2	556.6	S 34.9 E

SIDETRACK OFF OF L1

SCIENTIFIC DRILLING
HORIZONTAL SURVEY PROGRAM
MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E & P, INC.						START: 5/2/99		FILE: NORTH LATERAL			
WELL: VGWU #98 N. LATERAL						FINISH:					
LOCATION: LEA COUNTY, NEW MEXICO						INFORMATION PROVIDED BY:					
JOB NO: 32D0599111						DIRECTIONAL COORDINATOR:		Lamb, Hoffman			
DIP1 = 0.00 deg = 90.00 deg						MAG DECLINATION					
TARGET1 = 5,950 ft TVD											
VS1 = 171 ft						TRUE					
DIP2 = 0.00 deg = 90.00 deg											
TARGET2 = 5,948 ft TVD						DIRECTION: 0.00					
VS2 = 500 ft											
TRUE CENTER LINE											
SVY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)	QUAD FORMAT
THE	5809	1.2	77.9	5807.4	29.2	0.0	142.6	105.5	29.2	105.5	N 77.9 E
1	5863	22.2	117.0	5860.0	24.6	39.5	90.0	115.2	24.6	115.2	S 63.0 E
2	5873	26.2	106.8	5869.1	23.1	57.7	80.9	119.0	23.1	119.0	S 73.2 E
3	5883	30.5	102.6	5877.9	21.9	47.4	72.1	123.6	21.9	123.6	S 77.4 E
4	5893	34.7	102.3	5886.3	20.8	42.0	63.7	128.9	20.8	128.9	S 77.7 E
5	5903	38.9	102.3	5894.4	19.5	42.0	55.6	134.7	19.5	134.7	S 77.7 E
BIT	5940	54.4	102.3	5919.7	13.8	41.9	30.3	160.9	13.8	160.9	S 77.7 E

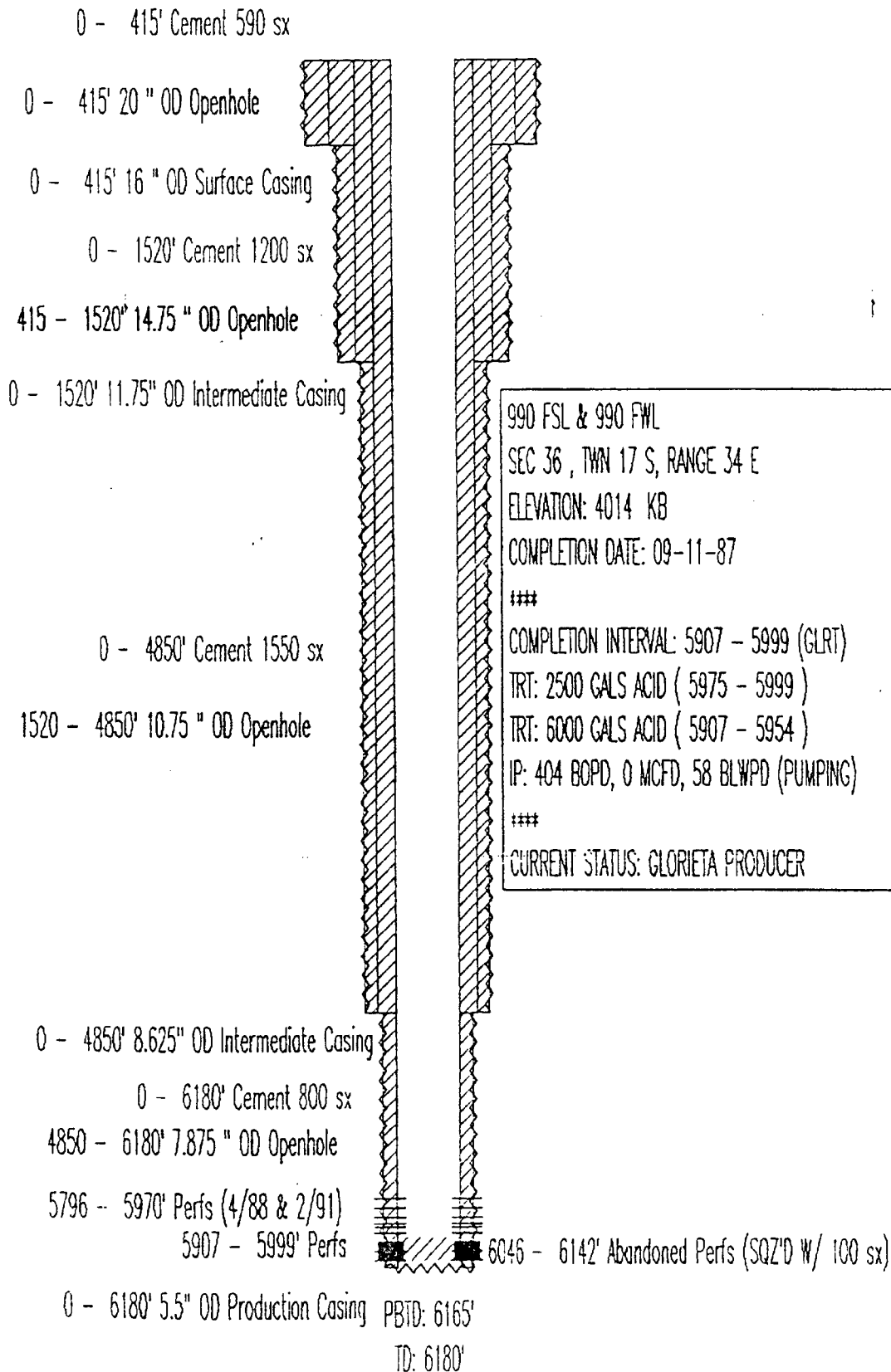
● SECOND LATERAL - L2
MECHANICAL FAILURE
ON ORIENTATION

SCIENTIFIC DRILLING
HORIZONTAL SURVEY PROGRAM
MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E & P, INC. WELL: VGWU #98 N. LATERAL SIDETRACK #2 LOCATION: LEA COUNTY, NEW MEXICO JOB NO: 32D0599111						START: 5/2/99 FINISH: INFORMATION PROVIDED BY: DIRECTIONAL COORDINATOR: Lamb, Hoffman			FILE: NORTH LATERAL		
DIP1 = 0.00 deg = 90.00 deg TARGET1 = 5,943 ft TVD VS1 = 1,000 ft DIP2 = 0.00 deg = 90.00 deg TARGET2 = 5,943 ft TVD VS2 = 1,000 ft						MAG DECLINATION TRUE DIRECTION: 0.00					
WY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	CENTER LINE ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)	QUAD FORMAT
ME	5809	1.2	77.9	5807.4	29.2	0.0	135.8	105.5	29.2	105.5	N 77.9 E
1	5887	30.4	2.4	5881.8	49.6	38.6	61.2	107.1	49.6	107.1	N 2.4 E
2	5917	42.7	3.1	5905.8	67.4	41.0	37.2	108.0	67.4	108.0	N 3.1 E
3	5949	55.4	3.8	5926.7	91.4	39.7	16.3	109.5	91.4	109.5	N 3.8 E
4	5980	67.7	2.8	5941.5	118.6	39.8	1.5	111.0	118.6	111.0	N 2.8 E
5	5990	71.8	2.8	5944.9	128.0	41.0	-1.9	111.5	128.0	111.5	N 2.8 E
6	6000	75.7	2.4	5947.7	137.8	39.2	-4.7	111.9	137.8	111.9	N 2.4 E
7	6009	79.1	3.5	5949.7	146.3	39.6	-6.7	112.4	146.3	112.4	N 3.5 E
8	6042	89.2	2.4	5953.1	179.1	30.8	-10.1	114.1	179.1	114.1	N 2.4 E
9	6073	88.5	357.1	5953.7	210.1	17.2	-10.7	113.9	210.1	113.9	N 2.9 W
10	6104	90.3	352.9	5954.0	240.9	14.7	-11.0	111.2	240.9	111.2	N 7.1 W
	6136	92.0	351.5	5953.4	272.6	6.9	-10.4	106.9	272.6	106.9	N 8.5 W
	6168	91.4	351.5	5952.4	304.3	1.9	-9.4	102.1	304.3	102.1	N 8.5 W
13	6199	90.6	351.5	5951.9	334.9	2.6	-8.9	97.6	334.9	97.6	N 8.5 W
14	6231	91.3	350.5	5951.3	366.5	3.8	-8.3	92.6	366.5	92.6	N 9.5 W
15	6262	92.7	351.2	5950.3	397.1	5.0	-7.3	87.6	397.1	87.6	N 8.8 W
16	6293	93.4	350.8	5948.6	427.7	2.6	-5.6	82.8	427.7	82.8	N 9.2 W
17	6325	93.9	350.1	5946.6	459.2	2.7	-3.6	77.5	459.2	77.5	N 9.9 W
18	6357	94.0	349.4	5944.4	490.6	2.2	-1.4	71.8	490.6	71.8	N 10.6 W
19	6388	91.4	349.4	5942.9	521.0	8.4	0.1	66.1	521.0	66.1	N 10.6 W
20	6420	91.3	349.4	5942.2	552.5	0.3	0.8	60.2	552.5	60.2	N 10.6 W
21	6452	91.6	349.0	5941.3	583.9	1.6	1.7	54.2	583.9	54.2	N 11.0 W
22	6484	89.5	349.8	5941.0	615.3	7.0	2.0	48.4	615.3	48.4	N 10.2 W
23	6515	90.4	349.4	5941.1	645.8	3.2	1.9	42.8	645.8	42.8	N 10.6 W
24	6546	91.4	349.8	5940.6	676.3	3.5	2.4	37.2	676.3	37.2	N 10.2 W
25	6578	90.7	353.3	5940.0	707.9	11.2	3.0	32.5	707.9	32.5	N 6.7 W
26	6609	92.2	353.3	5939.2	738.7	4.8	3.8	28.8	738.7	28.8	N 6.7 W
27	6641	88.6	351.9	5939.0	770.5	12.1	4.0	24.7	770.5	24.7	N 8.1 W
28	6673	85.6	351.9	5940.6	802.1	9.4	2.4	20.2	802.1	20.2	N 8.1 W
29	6704	86.3	351.9	5942.8	832.7	2.3	0.2	15.9	832.7	15.9	N 8.1 W
30	6736	87.1	352.2	5944.6	864.3	2.7	-1.6	11.4	864.3	11.4	N 7.8 W
31	6768	87.7	351.2	5946.1	896.0	3.6	-3.1	6.8	896.0	6.8	N 8.8 W
32	6799	88.4	351.9	5947.1	926.6	3.2	-4.1	2.3	926.6	2.3	N 8.1 W
33	6831	88.9	351.9	5947.9	958.3	1.6	-4.9	-2.2	958.3	-2.2	N 8.1 W
BIT	6873	88.9	351.9	5948.7	1000.0	0.0	-5.7	-8.2	1000.0	-8.2	N 8.1 W

● SIDETRACK OFF OF LZ

TEXACO
 NM O STATE NCT-1 NO. 26
 API# 30025299190000



DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30 025 29919
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	41487
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	99
9. Pool Name or Wildcat	VACUUM GLORIETA
10. Elevation (Show whether DF, RKB, RT, GR, etc.) GL = 3998'	

SUNDRY NOTICES AND REPORTS ON WELL
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator
205 E. Bender, HOBBS, NM 88240

4. Well Location
Unit Letter M : 990 Feet From The SOUTH Line and 990 Feet From The WEST Line
Section 36 Township 17S Range 34E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.) GL = 3998'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: Horizontal Lateral ☒

2. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

2-07-99: MIRU. PULL SUB PUMP & LD. TIH W/CSG SCRAPER TO 5863'.
2-09-99: SET WHIPSTOCK PKR W/PROF NIP @ 5779'. TIH W/PKR & SET @ 5700'. CIRC HLE W/FW. INSTL 3000 PSI GATE VALVE ON WH. TEST TO 2000 PSI. LD TBG.
2-11-99: MIRU KEY RIG. BUILD RESERVE PIT & LINE PIT. UNLOAD & RACK DP. NUBOP.
2-12-99: TIH W/2 7/8" DP & RETR HEAD. REL RBP. FLOW TO PIT. RUN GYRO SURVEY FR SURF TO TIW PKR. AZIMUTH SETTING @ 160 DEG. TIH W/STRING MILL TO PKR LUG @ 5779' STRING MILL & TAPER MILL. TIH W/WHIPSTOCK ASSEMBLY TO 5779'. MILL FR 5766-5768'. TIH W/2ND SET OF MILLS.
2-13-99: MILL 5772-5777. TIH W/BIT #1 @ 5766'. REAM 5766-5777'. SLIDE DRIL 5777-5791, 5794, 5807.
2-14-99: SLIDE DRIL 5807-5850, 5900, 5908, 5963.
2-15-99: TIH TO 5763'. SLIDE DRIL 5963-5988, 5997, 6046, 6093'.
2-16-99: ROTARY DRL 6093-6141. SLIDE DRIL 6141-6147. ROT DRIL 6147-6173. SLIDE DRIL 6173-6179. ROT DRIL 6179-6299. SLIDE DRIL 6299-6311. ROT DRIL 6311-6362. ROTATE DRIL 6362-6458. SLIDE DRIL 6458-6468. ROT DRIL 6521. SLIDE-6529, ROT 6553, SLIDE 6560, ROT 6646, ROT 6709. TD CALLED @ 6709'.
2-17-99: CIRC WELL W/10 PPG BRINE. MONITOR FOR FLOW. CIRC MUD. DISPL 130 BBLS MUD.
2-18-99: PU PKR, PROF NIP & DP. PSA 5701'. TEST CSG & PKR. WELL FLOWING UP TBG. TIH W/RBP & SET @ 948'. PSI TEST RBP TO 1000 PSI INSTL BOP STACK.
2-19-99: RIG DOWN.
2-23-99: MIRU SERV UNIT. UNLOAD TBG. OPEN BYPASS @ 948'. FLOWING.
2-24-99: INSTL CHECK VALVE IN TBG STRING. REL RBP. SET RBP @ 5695'.
2-25-99: CIRC 125 BBL MUD. REL RBP. TIH W/PKR RETR TOOL. LATCH ONTO & REL PKR. RESET @ 5685'.
2-26-99: NDBOP. NUWH. RIG DOWN SERVICE UNIT. TIH W/PRONG GUID. TAG @ 5661'. WRK DN TO 5671'. PU BAILER. DUMP 2.5 GAL AMMINE DN TBG.
2-27-99: MIRU ELECTRIC LINE. TIH W/CCL. SHOOT FOUR HLES IN PKR. FLOW WELL TO PIT.
3-18-99: CIRC W/10# BRINE, TIH W/SUB PUMP EQPT ON TBG TO 5642'. TIH W/KILL STRING TO 2350'.

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 6/4/99

TYPE OR PRINT NAME J. Denise Leake Telephone No. 397-0405

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

3-19-99: CIRC /2 3000' W/10# BRINE. TIH W/SUB EQPT . NDBOP.
NUWH. WELL PUMP UP @ 2:30 PM. WELL ON TEST.
4-08-99: MIRU PUMP TRUCK. KILL W/10# BRINE. NDWH. NUBOP.
TOH W/TBG, & PMP. TIH W/SUB, TBG, PKR, SN TO 4033'.
4-09-99: PSA 5562'. LOAD & TEST CSG TO 500 PSI.
4-10-99: RU COIL TBG UNIT. TIH W/DSP TOOL. TAG FLUID @
1000'. JET TO 5400'.
4-11-99: TIH W/DSP TOOL. TBG @ 6000'. CIRC HLE. TIH TO 6716'.
PULL TOOL TO 6703'. CLOSE ANNULUS. ACIDIZE UPPER
PADDOCK LATERAL 5766-6709 W/14,700 GALS 15% NEFE.
4-12-99: OPEN WELL TO FRAC TANK.
4-13-99: FLOW TO FRAC TANK. RU PUMP TRUCK. KILL W/50 BBLS
10# BRINE. REL PKR.
4-14-99: CIRC @ 4010'. PSA 250'. CHANGE OUT MANUAL BOP TO
HYD BOP. REL PKR. PSA 35'. PUMP 70 BBLS 10# BRINE.
4-15-99: FLOWING.
4-16-99: KILL W/100 BBLS. REL PKR & TIH W/TBG. PSA 5502'. TP @
5751'. LOAD & TEST CSG & PKR TO 500 PSI-OK. NDBOP. NUWH.
RU SWAB. HOOK UP FLOWLINE & WELL FLOWING. PULL
WHIPSTOCK.
4-28-99: RU REV EQPT. KILL WELL. NDWH. NUBOP. REL PKR @
5502'. TIH W/MILL ON TBG TO 5750'. PULL WHIPSTOCK.
4-29-99: TIH W/WHIPSTOCK HOOK, JARS, DC'S & TBG TO 5765'.
LATCH ONTO & PULL WHIPSTOCK. TIH W/KILL STRING TO 2500'.
4-30-99: PU SUB EQPT & TIH TO 2460'. CIRC & KILLW ELL. TIH TO
3720'.
5-01-99: TIH W/MOTOR, SEPR, PUMP & TBG. MOTOR @ 5678'. ON
PUMP @ 4:30 PM. ON TEST.
5-06-99: ON 24 HR OPT. PUMPED 474 BO, 1064 BW, & 131 MCF.
FINAL REPORT

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30 025 29919
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lea	41487

WELL COMPLETION OR RECOMPLETION REPORT AND LOG							
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____				7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT			
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER ☐ Horizontal							
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.				8. Well No. 99			
3. Address of Operator 205 E. Bender, HOBBS, NM 88240				9. Pool Name or Wildcat VACUUM GLORIETA			
4. Well Location Unit Letter M 990 Feet From The SOUTH Line and 990 Feet From The WEST Line Section 36 Township 17S Range 34E NMPM LEA COUNTY							
10. Date Spudded 2/7/99	11. Date T.D. Reached 2/16/99	12. Date Compl. (Ready to Prod.) 4/11/99	13. Elevations (DF & RKB, RT, GR, etc.) GL = 3998'		14. Elev. Csghead		
15. Total Depth 6709'	16. Plug Back T.D.	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools		
19. Producing Interval(s), of this completion - Top, Bottom, Name 5766-6708' Upper Paddock Lateral					20. Was Directional Survey Made yes		
21. Type Electric and Other Logs Run CCL					22. Was Well Cored no		
23. CASING RECORD (Report all Strings set in well)							
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED		
			No change				
24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	5685' MD	
26. Perforation record (interval, size, and number) 5766-6709'				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.			
				DEPTH INTERVAL			
				AMOUNT AND KIND MATERIAL USED			
				5766-6709'			
				14,700 GALS 15% NEFE			
28. PRODUCTION							
Date First Production 5/2/99		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING (Sub-pump 1400 BPD(4"x27.7)				Well Status (Prod. or Shut-in) Prod	
Date of Test 5-06-99	Hours tested 24 hrs	Choke Size	Prod'n For Test Period	Oil - Bbl. 474	Gas - MCF 131	Water - Bbl. 1064	Gas - Oil Ratio 276
Flow Tubing Press.	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD						Test Witnessed By	
30. List Attachment							
I, I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNATURE <i>J. Denise Leake</i>				TITLE Engineering Assistant		DATE 6/22/99	
TYPE OR PRINT NAME J. Denise Leake				Telephone No. 397-0405			



Lateral: 0		Proposed Direction: 270				Dog Leg Severity per: 100			feet
Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool	
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GYRO	
100	0.17	135.35	100.00	-0.11	0.10	-0.10	0.17		
200	0.12	123.52	200.00	-0.27	0.30	-0.30	0.06		
300	0.14	137.39	300.00	-0.42	0.47	-0.47	0.04		
400	0.18	129.49	400.00	-0.61	0.67	-0.67	0.05		
500	0.20	126.05	500.00	-0.81	0.93	-0.93	0.02		
600	0.23	116.78	600.00	-1.00	1.25	-1.25	0.05		
700	0.26	119.58	700.00	-1.20	1.63	-1.63	0.03		
800	0.27	116.66	800.00	-1.42	2.04	-2.04	0.02		
900	0.29	127.24	899.99	-1.68	2.45	-2.45	0.06		
1000	0.33	133.68	999.99	-2.03	2.86	-2.86	0.05	GYRO	
1100	0.31	136.85	1099.99	-2.43	3.25	-3.25	0.03		
1200	0.29	157.14	1199.99	-2.86	3.54	-3.54	0.11		
1300	0.22	157.19	1299.99	-3.27	3.71	-3.71	0.07		
1400	0.29	162.56	1399.99	-3.69	3.86	-3.86	0.07		
1500	0.32	176.88	1499.99	-4.21	3.95	-3.95	0.08		
1600	0.31	176.46	1599.99	-4.76	3.98	-3.98	0.01		
1700	0.32	176.89	1699.98	-5.31	4.01	-4.01	0.01		
1800	0.31	167.70	1799.98	-5.85	4.09	-4.09	0.05		
1900	0.30	161.86	1899.98	-6.36	4.22	-4.22	0.03		
2000	0.29	156.05	1999.98	-6.84	4.41	-4.41	0.03	GYRO	
2100	0.27	143.60	2099.98	-7.26	4.65	-4.65	0.06		
2200	0.26	134.96	2199.98	-7.61	4.95	-4.95	0.04		
2300	0.25	88.35	2299.98	-7.77	5.33	-5.33	0.20		
2400	0.40	68.88	2399.97	-7.64	5.87	-5.87	0.18		
2500	0.87	55.42	2499.97	-7.08	6.83	-6.83	0.49		
2600	1.03	56.63	2599.95	-6.15	8.20	-8.20	0.16		
2700	1.05	55.35	2699.94	-5.14	9.71	-9.71	0.03		
2800	1.07	55.65	2799.92	-4.09	11.23	-11.23	0.02		
2900	0.87	59.80	2899.91	-3.18	12.66	-12.66	0.21		
3000	0.62	61.96	2999.90	-2.55	13.79	-13.79	0.25	GYRO	
3100	0.53	74.14	3099.89	-2.17	14.71	-14.71	0.15		
3200	0.37	88.16	3199.89	-2.03	15.48	-15.48	0.19		
3300	0.33	111.92	3299.89	-2.13	16.07	-16.07	0.15		
3400	0.40	91.29	3399.89	-2.24	16.69	-16.69	0.15		
3500	0.32	90.52	3499.88	-2.25	17.31	-17.31	0.08		
3600	0.33	90.58	3599.88	-2.26	17.88	-17.88	0.01		
3700	0.28	90.64	3699.88	-2.26	18.41	-18.41	0.05		
3800	0.27	85.91	3799.88	-2.25	18.89	-18.89	0.02		
3900	0.33	79.08	3899.88	-2.18	19.41	-19.41	0.07		
4000	0.33	83.19	3999.88	-2.09	19.98	-19.98	0.02	GYRO	
4100	0.32	76.56	4099.88	-1.99	20.54	-20.54	0.04		
4200	0.25	66.81	4199.87	-1.84	21.01	-21.01	0.08		
4300	0.24	73.73	4299.87	-1.69	21.41	-21.41	0.03		
4400	0.23	82.46	4399.87	-1.61	21.81	-21.81	0.04		
4500	0.11	111.20	4499.87	-1.62	22.10	-22.10	0.14		
4600	0.31	155.59	4599.87	-1.90	22.30	-22.30	0.24		
4700	0.72	198.27	4699.87	-2.74	22.22	-22.22	0.54		
4800	0.87	197.24	4799.86	-4.06	21.79	-21.79	0.15		
4900	1.09	211.59	4899.84	-5.60	21.07	-21.07	0.33		
5000	2.07	209.70	4999.80	-7.98	19.68	-19.68	0.98	GYRO	
5100	1.92	216.64	5099.74	-10.89	17.78	-17.78	0.28		



5200	1.81	223.68	5199.69	-13.38	15.69	-15.69	0.25	
5300	1.69	226.20	5299.64	-15.54	13.54	-13.54	0.14	
5400	1.56	224.24	5399.60	-17.54	11.52	-11.52	0.14	
5500	1.17	224.30	5499.58	-19.24	9.86	-9.86	0.39	
5600	0.47	223.33	5599.56	-20.27	8.87	-8.87	0.70	
5700	0.41	218.81	5699.56	-20.85	8.36	-8.36	0.07	
5770	0.40	207.00	5769.56	-21.26	8.09	-8.09	0.12	GYRO
5793	6.80	268.30	5792.50	-21.37	6.69	-6.69	28.77	
5822	15.30	265.50	5820.94	-21.72	1.15	-1.15	29.36	
5854	26.40	262.00	5850.80	-23.05	-10.14	10.14	34.89	
5886	38.20	262.20	5877.80	-25.39	-27.04	27.04	36.88	GYRO
5918	54.50	267.50	5899.82	-27.32	-50.02	50.02	52.29	
5933	65.00	269.70	5907.37	-27.62	-62.96	62.96	71.13	GYRO
5948	76.30	270.60	5912.33	-27.58	-77.09	77.09	75.54	
5979	86.90	276.90	5916.86	-25.55	-107.63	107.63	39.65	
6011	86.90	277.60	5918.59	-21.52	-139.33	139.33	2.18	
6043	87.30	277.40	5920.21	-17.35	-171.01	171.01	1.40	GYRO
6074	88.50	274.90	5921.34	-14.03	-201.81	201.81	8.94	
6106	87.60	272.90	5922.43	-11.85	-233.72	233.72	6.85	
6138	87.80	272.50	5923.72	-10.35	-265.65	265.65	1.40	
6170	86.60	271.80	5925.28	-9.15	-297.59	297.59	4.34	
6201	85.80	271.50	5927.33	-8.26	-328.51	328.51	2.76	
6236	86.60	271.50	5929.65	-7.34	-363.42	363.42	2.29	
6264	86.90	271.40	5931.24	-6.64	-391.37	391.37	1.13	
6296	87.50	271.20	5932.80	-5.91	-423.32	423.32	1.98	
6327	89.30	270.90	5933.67	-5.34	-454.30	454.30	5.89	
6359	89.80	270.80	5933.92	-4.87	-486.30	486.30	1.59	
6391	90.60	270.60	5933.81	-4.48	-518.30	518.30	2.58	
6423	91.10	270.50	5933.33	-4.17	-550.29	550.29	1.59	
6454	91.60	270.70	5932.60	-3.85	-581.28	581.28	1.74	
6486	89.70	270.80	5932.24	-3.43	-613.27	613.27	5.95	
6518	90.00	270.60	5932.32	-3.04	-645.27	645.27	1.13	GYRO
6549	88.50	270.10	5932.73	-2.85	-676.27	676.27	5.10	
6580	86.90	270.00	5933.97	-2.82	-707.24	707.24	5.17	
6611	87.20	269.90	5935.57	-2.85	-738.20	738.20	1.02	
6643	87.70	269.90	5936.99	-2.90	-770.17	770.17	1.56	
6674	88.40	269.90	5938.05	-2.96	-801.15	801.15	2.26	
6709	89.20	269.90	5938.78	-3.02	-836.14	836.14	2.29	GYRO

TEXACO
NM O STATE NCT-1 NO. 29
API# 30025304760000

VCW 4 #100

0 - 425' Cement 700 sx
0 - 425' 20 " OD Openhole
0 - 425' 16 " OD Surface Casing
0 - 1571' Cement 1250 sx
425 - 1571' 14.75 " OD Openhole
0 - 1571' 11.75" OD Intermediate Casing
0 - 4843' Cement 1850 sx
1571 - 4843' 10.75 " OD Openhole

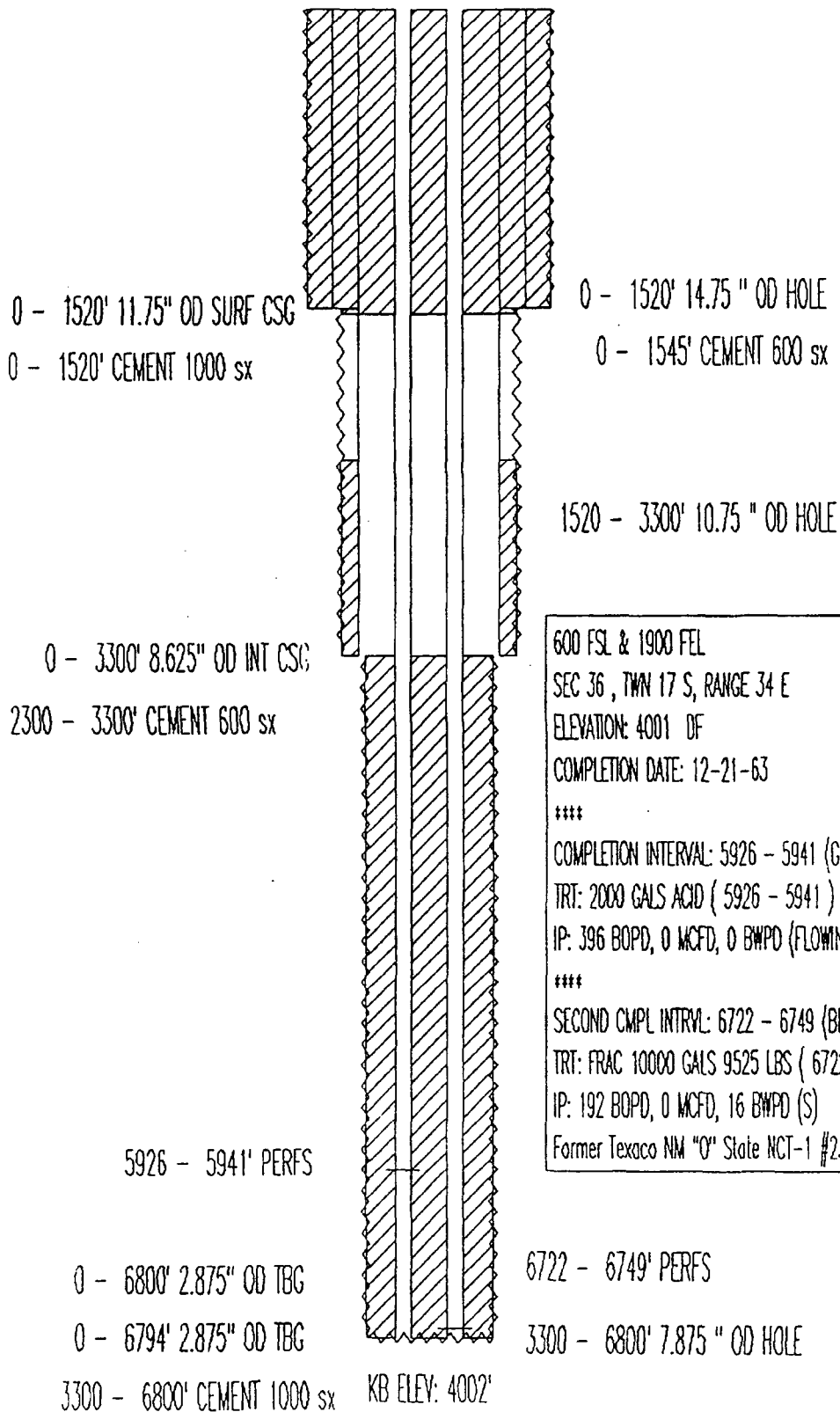
0 - 4843' 8.625" OD Intermediate Casing
0 - 6270' Cement 900 sx
4843 - 6270' 7.875 " OD Openhole
5791 - 5970' Perfs (2/91)
6103 - 6132' Perfs
0 - 6270' 5.5" OD Production Casing
PBTD: 6180'
TD: 6270'

990 FSL & 2310 FWL
SEC 36 , TWN 17 S, RANGE 34 E
ELEVATION: 3999 KB
COMPLETION DATE: 05-04-89

COMPLETION INTERVAL: 6103 - 6132 (PDC)
IP: 198 BOPD, 202 MCFD, 10 BHPD (PUMPING)

CURRENT STATUS: GLORIETA PRODUCER

TEXACO INC
VGWU No. 101
API# 202370000



600 FSL & 1900 FEL
SEC 36 , T14N 17 S, RANGE 34 E
ELEVATION: 4001 DF
COMPLETION DATE: 12-21-63

COMPLETION INTERVAL: 5926 - 5941 (GLRT)
TRT: 2000 GALS ACID (5926 - 5941)
IP: 396 BOPD, 0 MCFD, 0 BWPD (FLOWING)

SECOND CMPL INTRVL: 6722 - 6749 (BLBR)
TRT: FRAC 10000 GALS 9525 LBS (6722 - 6749)
IP: 192 BOPD, 0 MCFD, 16 BWPD (S)
Former Texaco NM "O" State NCT-1 #23

CURRENT WELLBORE

TEXACO PROD
VACUUM GLORIETA WEST UNIT 102
API# 301260000

0 - 405' 16" OD SURF CSG
0 - 405' CEMENT 600 sx

0 - 1547' 11.75" OD H-40 INT CSG
0 - 1547' CEMENT 1200 sx

0 - 4840' 8.625" OD S-80,K-55 INT CSG
0 - 4840' CEMENT 1400 sx

6059 - 6065' CIBP
0 - 6290' 5.5" OD J-55 PROD CSG
0 - 6290' CEMENT 950 sx

KB ELEV: 4004'

0 - 405' 20" OD HOLE

405 - 1547' 14.75" OD HOLE

990 FSL & 990 FEL

SEC 36, TWN 17 S, RANGE 34 E

ELEVATION: 4004 KB

COMPLETION DATE: 12-21-87

COMPLETION INTERVAL: 6118 - 6217 (GLRT)

IP: 70 BOPD, 68 MCFD, 316 BHPD (PUMPING)

1547 - 4840' 10.75" OD HOLE

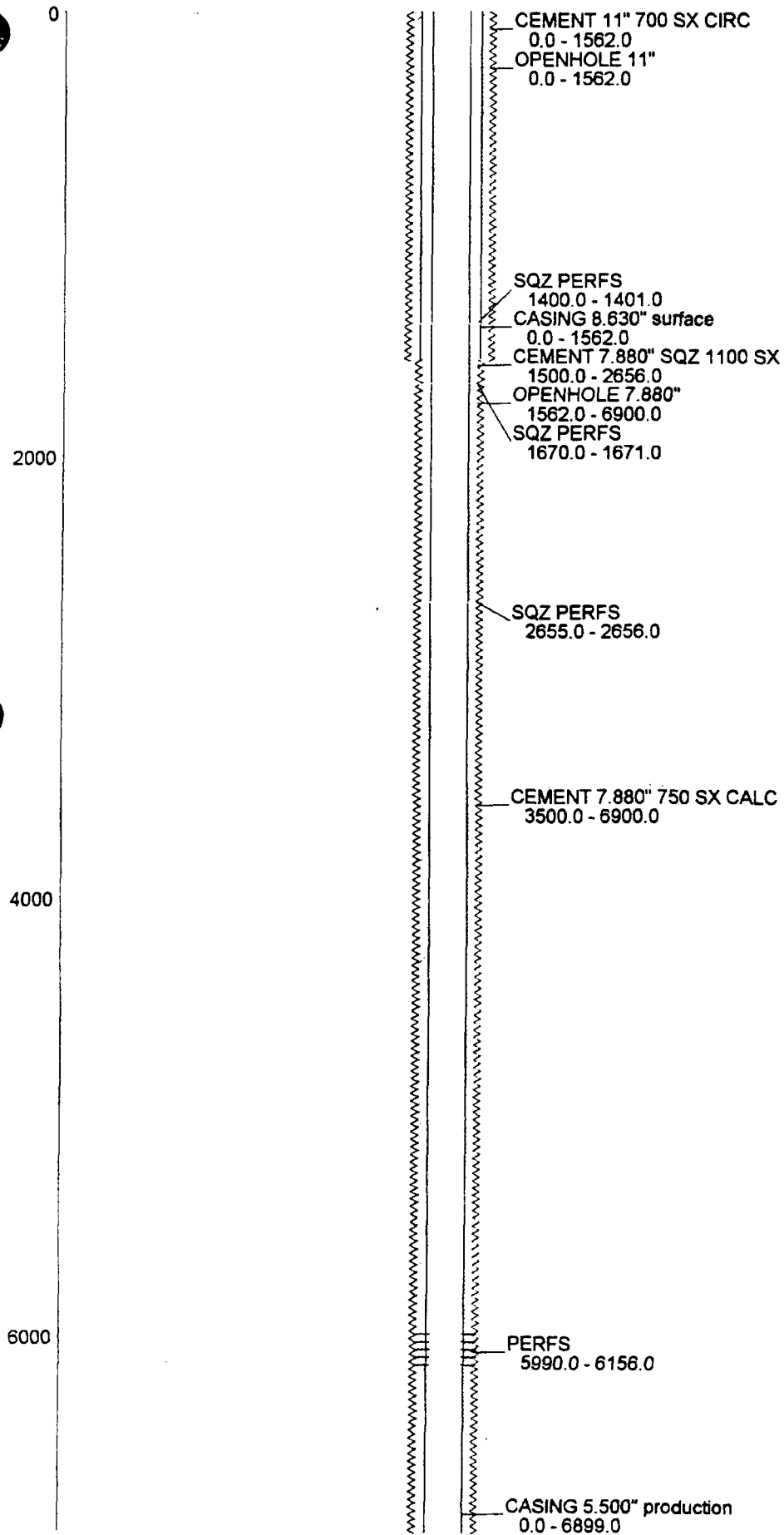
5936 - 5992' PERFS CURRENT

6118 - 6217' ABANDONED PERFS ABANDONED

4840 - 6290' 7.875" OD HOLE

Name: 103 ID: 3002520339 Type: Date: 19971022
KB: 3994.0 TD: 6900.0 PBTD: 0.0 Comp Date: 0

VGWU NO. 103



DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	3002520339
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	STATE D
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	103
9. Pool Name or Wildcat	VACUUM GLORIETA
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3988'	

SUNDRY NOTICES AND REPORTS ON WELL
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator
205 E. Bender, HOBBS, NM 88240

4. Well Location
Unit Letter M : 760 Feet From The SOUTH Line and 560 Feet From The WEST Line
Section 31 Township 17S Range 35E NMPM LEA COUNTY

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1-3-98: MIRU. INSTL BOP. TIH W/BIT & CSG SCRAPER.
1-4-98: TIH W/BIT & CSG TO 6000'. SET CIBP @ 5902'. TIH W/TBG. CIRC HLE W/FW. TEST PLUG TO 500 PSI.
1-5-98 THRU 1-7-98: INSTL VALVES BELOW THE BOP.
1-16-98: TIH W/DP & TAG BP @ 5902'. CIRC CLN. TIH W/WHIPSTOCK. SURVEY IN HLE & ORIENT WINDOW.
1-17-98: TIH W/GYRO & ORIENT TO 286 DEG. SLIDE DRILL FR 5898-5901, 5901-5903, 5903-5905, 5905-5915, 5915-5925.
1-18-98: RUN GYRO W/TOOL FACE @ 279 DEG. SLIDE DRILL FR 5925-5935, 5991, 6038, 6051, 6129, 6145'.
1-20-98: ROTARY DRILL & SLIDE DRILL. CIRC 130 BBLS 10 PPG BRINE TO KEEP WELL DEAD. TIH W/RBP & SET @ 5565'. TEST TO 500#-OK. RR @ 9:00 PM.
1-25-98: NDBOP. NU MANUAL BOP. TIH W/RETR TOOL & PI 170 JTS 2 7/8" TBG. LATCH ONTO RBP @ 5565'. REL RBP. CSG PRESS TO 150#.
CIRC CSG W/FW TO KILL WELL-UNSUCCESSFUL. BLED WELL TO VAC TRUCK & CIRC W/10# BRINE. TIH W/TBG TO 4653'.
1-27-98: BLED WELL DOWN FLOWLINE. CIRC HLE W/130 BBLS 10# BRINE. STILL FLOWING. SI TBG. PMP 50 BBLS BRINE INTO FORM @ 1000#.
BLED DN. TIH W/MOTOR, SEAL, GAS SEPERATOR, PMP & TBG. NDBOP. NUWH. INSTL FLOWLINE. HU ELEG.
1-29 THRU 2-5-98: TESTING
2-21-98: CHANGE RAMS IN BOP. TIH W/MOTORS, SEAL, GAS SEPERATOR, PMP, & TBG. NDBOP. NUWH. WELL PUMP UP @ 2 PM.
2-27-98: ON 24 HR OPT. PUMPING 639 BO, 158 BW, & 79 MCF.
FINAL REPORT

AZIMUTH = 265

MD = 6998

SOUTH = 78'

WEST = 1196'

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant

DATE 3/4/98

TYPE OR PRINT NAME J. Denise Leake

Telephone No. 397-0405

(This space for State Use)

ORIGINAL SIGNED BY
GARY WINK
FIELD REP. #

MAR 24 1998

APPROVED BY _____ TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-105 -
Revised 1-1-89

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DESIGN ☐ PLUG BACK ☐ DEEP REPAIR ☐ OTHER ☐

2. Name of Operator
TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator
P. O. Box 3109, Midland, Texas 79702

4. Well Location

Unit Letter - M : 361 Feet From The SOUTH Line and 300 Feet From The WEST Line

Section - 36 Township 17-SOUTH Range 34-EAST NMPM LEA County

10. Date Spudded 03-22-93 11. Date T.D. Reached 03-30-93 12. Date Compl. (Ready to Prod.) 04-07-93 13. Elevations (DF & RKB, RT, GR, etc.) GR-4003', KB-4017' 14. Elev. Casinghead 4003'

15. Total Depth 6245' 16. Plug Back T.D. 6208' 17. If Multiple Compl. How Many Zones? 1 18. Intervals Drilled By Rotary Tools 0-6245' Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 5944' - 5983': GLORIETA 20. Was Directional Survey Made YES

21. Type Electric and Other Logs Run GR-DLL-MSFL, GR-DSN-SDL, GR-CCL 22. Was Well Cored NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1500'	11	850 SX. CIRC. 147 SACKS	
5 1/2	15.5# & 17#	6245'	7 7/8	1390 SX. CIRC. 69 SACKS	
				DV TOOL @ 4978'	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	5883'	5883'

26. Perforation record (interval, size, and number) <u>5944' - 5983'. 2 JSPF: 78 HOLES</u>				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
<u>5944-5983</u>		<u>ACID - 2000 GAL 15% HCL</u>			

28. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
						SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Conv.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.)							

30. List Attachments

DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C. P. Basham / cwh

Printed Name C. P. BASHAM

Title DRLG. OPER. MGR. Date 04-09-93

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-105
Revised 1-1-89

WELL API NO.
30-025-31880

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-155-6

7. Lease Name or Unit Agreement Name
VACUUM GLORIETA WEST UNIT

8. Well No.
105

9. Pool name or Wildcat
VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER

2. Name of Operator
TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator
P. O. Box 3109, Midland, Texas 79702

4. Well Location

Unit Letter N : 453 Feet From The SOUTH Line and 1340 Feet From The WEST Line

Section 36 Township 17-SOUTH Range 34-EAST NMPM LEA County

10. Date Spudded
04-24-93

11. Date T.D. Reached
05-04-93

12. Date Compl. (Ready to Prod.)
05-20-93

13. Elevations (DF & RKB, RT, GR, etc.)
GR-3999', KB-4013'

14. Elev. Casinghead
3999'

15. Total Depth
6231'

16. Plug Back T.D.
6149'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By Rotary Tools
0 - 6231'

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name
5901' - 6102'; GLORIETA

20. Was Directional Survey Made
YES

21. Type Electric and Other Logs Run
GR-DLL-MSFL, GR-DSN-SDL-CAL

22. Was Well Cored
NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4	42#	1500'	14 3/4	CL-C 840 SXS, CIRC. 80 SX	
5 1/2	15.5# & 17#	6231'	7 7/8	CL-H 1750 SXS, CIRC. 20 SX	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD	SIZE	DEPTH SET	PACKER SET
					2 3/8	5815'	5815'	

26. Perforation record (interval, size, and number)
5901-5960, 5968-5990, 6066-6102; 2 JSPP,
234 HOLES.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5901' - 6102'	ACID - 5800 GAL, 15 % HCL

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity	API - (Corr.)
						Texaco	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By
DANNY SULLIVAN

30. List Attachments

DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C.P. Basham Printed Name C.P. BASHAM Title DRLG. OPER. MGR. Date 05-24-93

Hobb S

Submit to Appropriate
District Office
State Leases - 6 copies
Fee Leases - 5 copies

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-105

Revised 1-1-89

WELL FILE
WELL NAME NO. 30-025-03 1874

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-155-6

7. Lease Name or Unit Agreement Name
VACUUM GLORIETA WEST UNIT

8. Well No.
106

9. Pool name or Wildcat
VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP REVEAL ☐ OTHER

2. Name of Operator
TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator
P. O. Box 3109, Midland, Texas 79702

4. Well Location
Unit Letter 0 : 310 Feet From The SOUTH Line and 2630 Feet From The EAST Line
Section 36 Township 17-SOUTH Range 34-EAST NMPM LEA County

10. Date Spudded 05-05-93 11. Date T.D. Reached 05-12-93 12. Date Compl. (Ready to Prod.) 06-05-93 13. Elevations (DF & RKB, RT, GR, etc.) GR-3992', KB-4006' 14. Elev. Casinghead 3992'

15. Total Depth 6280' 16. Plug Back T.D. 6210' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools 0-6280' Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name
5933' - 6143': GLORIETA 20. Was Directional Survey Made YES

21. Type Electric and Other Logs Run GR-DSN, GR-CCL 22. Was Well Cored NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4	42#	1480'	14 3/4	840 SX. CRC. 39 SACKS	
5 1/2	15.5# & 17#	6280'	7 7/8	1850 SX. TOC @ 500' BY TEMP. SURVEY	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 3/8	5851'
						5851'

26. Perforation record (interval, size, and number)
5933'- 6143'. 2 JSPF: 252 HOLES

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
5933-6143 ACID - 5000 GAL 15% HCL

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in)	
							SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)		

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By:
RANDY TRAMMEL

30. List Attachments

DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C. P. Basham / cwt Printed Name C. P. BASHAM Title DRLG. OPER. MGR. Date 06-11-93

Hobbs Area

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-105
Revised 1-1-89

WELL API NO.
30-025-31884

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-155-6

7. Lease Name or Unit Agreement Name
VACUUM GLORIETA WEST UNIT

8. Well No.
107

9. Pool name or Wildcat
VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESER ☐ OTHER

2. Name of Operator
TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator
P. O. Box 3109, Midland, Texas 79702

4. Well Location
Unit Letter P : 183 Feet From The SOUTH Line and 931 Feet From The EAST Line
Section 36 Township 17-SOUTH Range 34-EAST NMPM LEA County

10. Date Spudded 05-14-93 11. Date T.D. Reached 05-28-93 12. Date Compl. (Ready to Prod.) 06-19-93 13. Elevations (DF& RKB, RT, GR, etc.) GR-3998', KB-4012' 14. Elev. Casinghead 3998'

15. Total Depth 6390' 16. Plug Back T.D. 6340' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools Cable Tools 0 - 6390'

19. Producing Interval(s), of this completion - Top, Bottom, Name 6006' - 6212'; GLORIETA 20. Was Directional Survey Made YES

21. Type Electric and Other Logs Run GR-DSN-CCL 22. Was Well Cored NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1470'	11	CL-C 650 SXS, CIRC. 64 SX	
5 1/2	15.5# & 17#	6390'	7 7/8	CL-H 1278 SX, CIRC. 193 SX	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	5934'	5934'

26. Perforation record (interval, size, and number)
6006-6072, 6123-6146, 6196-6212; 2 JSPF, 210 HOLES.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
6006' - 6212' ACID - 4500 GAL, 15 % HCL

PRODUCTION

28. Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By HARVEY STEPHENS

30. List Attachments
DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C.P. Basham / SDH Printed Name C.P. BASHAM Title DRLG. OPER. MGR. Date 06-22-93

Hobbs

WELL FILE

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
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

State of New Mexico Energy, Minerals and Natural Resources Department

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

Form C-105
Revised 1-1-89

WELL API NO. 30-025-31875	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No. B-155-6	
7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT	
8. Well No. 108	
9. Pool name or Wildcat VACUUM GLORIETA	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG				
1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER <u>WATER INJECTION</u>				
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIPP RESVR ☐ OTHER ☐				
2. Name of Operator TEXACO EXPLORATION AND PRODUCTION INC.				
3. Address of Operator P. O. Box 3109, Midland, Texas 79702				
4. Well Location Unit Letter <u>P</u> : <u>213</u> Feet From The <u>SOUTH</u> Line and <u>351</u> Feet From The <u>EAST</u> Line Section <u>36</u> Township <u>17-SOUTH</u> Range <u>34-EAST</u> NMPM LEA County				
10. Date Spudded 05-31-93	11. Date T.D. Reached 06-10-93	12. Date Compl. (Ready to Prod.) 06-20-93	13. Elevations (DF& RKB, RT, GR, etc.) GR-3986', KB-4000'	14. Elev. Casinghead 3986'
15. Total Depth 6325'	16. Plug Back T.D. 6169'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0 - 6325'	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 5957' - 6164'; GLORIETA				20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run GR-DLL-MSFL, GR-DSN-SDL-CAL				22. Was Well Cored NO

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1475'	11	CL-C 650 SXS, CIRC. 65 SX	
5 1/2	15.5# & 17#	6325'	7 7/8	CL-H 1200 SX, CIRC. 156 SX	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	5869'	5869'

26. Perforation record (interval, size, and number) 5957-6016, 6073-6100, 6147-6164; 2 JSPF, 206 HOLES.				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 5957' - 6164' AMOUNT AND KIND OF MATERIAL USED ACID - 4500 GAL, 915 % HCL			

28. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)					
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By HARVEY STEPHENS
--	--------------------------------------

30. List Attachments DEVIATION SURVEY
--

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C.P. Basham/SCA Printed Name C.P. BASHAM Title DRLG. OPER. MGR. Date 06-22-93

Directional Survey Report

Diamondback Directional

Well ID: 9819416075

Well Name: VGWU #108

Page 1

Plane of Vertical Section: 251 degrees UPPER LATERAL

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates N-S	E-W	Vertical Section	Dog Leg Severity
** Tieln	5800.00	2.68	270.17	5797.52	N 44.02	W 71.38	53.16	
MWD	5849.00	10.40	247.00	5846.17	N 42.29	W 76.61	58.66	16.34
MWD	5864.00	17.40	247.00	5860.72	N 40.89	W 79.92	62.25	46.67
MWD	5879.00	24.50	246.30	5874.72	N 38.76	W 84.84	67.60	47.36
MWD	5894.00	31.50	245.00	5887.96	N 35.85	W 91.25	74.60	46.84
MWD	5909.00	38.70	242.90	5900.22	N 32.05	W 98.98	83.16	48.66
MWD	5924.00	46.10	242.90	5911.29	N 27.44	W 107.98	93.16	49.33
MWD	5939.00	53.30	244.30	5920.99	N 22.37	W 118.22	104.50	48.52
MWD	5974.00	70.70	245.40	5937.36	N 9.31	W 146.10	135.11	49.79
MWD	6006.00	76.90	244.30	5946.28	S 3.75	W 173.90	165.65	19.65
MWD	6037.00	81.50	241.80	5952.09	S 17.55	W 201.03	195.79	16.82
MWD	6067.00	86.00	241.10	5955.35	S 31.80	W 227.22	225.19	15.18
MWD	6098.00	86.00	241.80	5957.51	S 46.58	W 254.38	255.69	2.25
MWD	6130.00	86.20	241.50	5959.69	S 61.74	W 282.48	287.19	1.12
MWD	6162.00	86.40	242.60	5961.76	S 76.71	W 310.69	318.74	3.49
MWD	6194.00	89.90	243.60	5962.79	S 91.17	W 339.21	350.41	11.37
MWD	6225.00	92.60	244.70	5962.11	S 104.69	W 367.09	381.18	9.40
MWD	6257.00	91.80	245.00	5960.88	S 118.28	W 396.04	412.97	2.67
MWD	6288.00	89.70	245.00	5960.48	S 131.38	W 424.13	443.80	6.77
MWD	6320.00	89.90	245.00	5960.59	S 144.90	W 453.13	475.62	0.63
MWD	6352.00	90.10	245.70	5960.59	S 158.25	W 482.22	507.46	2.28
MWD	6383.00	88.70	245.70	5960.92	S 171.00	W 510.47	538.33	4.52
MWD	6408.00	88.90	246.40	5961.44	S 181.15	W 533.31	563.23	2.91
PRO	6445.00	88.90	246.40	5962.15	S 195.96	W 567.21	600.10	0.00

Calculations using Minimum Curvature Method

Printed: 07:56 24-Jun-98

End of Report

Directional Survey Report**Diamondback Directional**

Well ID: 9819416078

Well Name: VGWU #108

Page 1

Plane of Vertical Section: 74 degrees

LOWER LATERAL

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates N-S	E-W	Vertical Section	Dog Leg Severity
TieIn	5868.00	2.18	268.84	5868.46	N 44.40	W 74.25	-59.14	
MWD	5887.00	9.30	73.50	5884.39	N 44.91	W 73.18	-57.98	62.14
MWD	5905.00	21.80	70.50	5901.70	N 46.45	W 68.62	-53.16	69.57
MWD	5923.00	34.50	67.50	5917.54	N 49.53	W 60.72	-44.72	70.97
MWD	5938.00	44.90	66.80	5929.06	N 53.25	W 51.91	-35.22	69.40
MWD	5958.00	58.80	71.00	5941.39	N 58.84	W 37.26	-19.59	71.41
MWD	5974.00	68.30	74.50	5948.51	N 63.07	W 23.59	-5.29	62.51
MWD	6004.00	78.50	83.80	5957.09	N 68.46	E 4.58	23.27	44.70
MWD	6036.00	80.80	83.60	5962.84	N 71.97	E 35.86	54.30	7.19
MWD	6067.00	85.20	82.20	5966.61	N 75.77	E 66.38	84.70	14.88
MWD	6099.00	85.50	82.20	5969.21	N 80.10	E 97.98	116.26	0.94
MWD	6131.00	85.70	82.20	5971.66	N 84.43	E 129.59	147.84	0.62
MWD	6162.00	85.30	81.50	5974.09	N 88.81	E 160.18	178.48	2.59
MWD	6194.00	85.90	81.50	5976.55	N 93.52	E 191.74	210.09	1.87
MWD	6226.00	88.30	82.20	5978.17	N 98.05	E 223.37	241.75	7.81
MWD	6257.00	88.00	82.90	5979.17	N 102.07	E 254.09	272.39	2.46
MWD	6289.00	87.40	82.90	5980.45	N 106.02	E 285.82	303.98	1.87
MWD	6321.00	87.30	83.60	5981.93	N 109.78	E 317.57	335.53	2.21
MWD	6352.00	87.10	82.90	5983.45	N 113.42	E 348.32	366.09	2.35
MWD	6384.00	86.70	80.00	5985.18	N 118.17	E 379.91	397.77	9.14
MWD	6416.00	86.20	79.40	5987.16	N 123.88	E 411.33	429.55	2.44
MWD	6447.00	85.50	79.40	5989.40	N 129.57	E 441.73	460.33	2.28
MWD	6478.00	85.50	79.40	5991.84	N 135.25	E 472.10	491.09	0.00
MWD	6509.00	86.40	78.00	5994.02	N 141.31	E 502.42	521.91	5.36
MWD	6541.00	86.00	78.00	5996.15	N 147.95	E 533.66	553.76	1.25
PRO	6588.00	86.00	78.00	5999.42	N 157.70	E 579.52	600.54	0.00

Calculations using Minimum Curvature Method

Printed: 15:01 21-Jun-98

End of Report

SURFACE CASING
10 3/4" 32#, 40#
H. 40
CEMENT CIRC'D

TDC =
1835 82
TEMP SURV.

INT CASING 7 5/8"
26.4 #/ft J-55

CEMENTED w/ 800 SX
TDC = 1835'

TDC = 3342'

PROD LINER
4 1/2" 9.5 #/ft
J-55

OPENHOLE 15"

1485'

OPENHOLE 9 7/8"

3400'

OPENHOLE = 6 3/4"

PTDF 5962'-6092'
5791'-5920'

PBTD = 6216'

TD = 6248'

0.0 - 2100.0 CEMENT
0.0 - 1492.0 CEMENT
0.0 - 1492.0' 13.375" OD SURF CSG

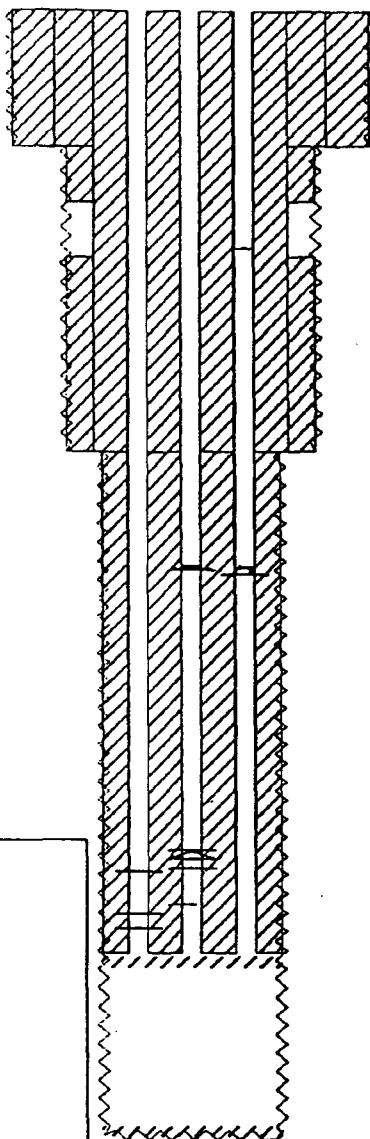
2700.0 - 4788.0' CEMENT
0.0 - 4788.0' 9.625" OD INT CSG
0.0 - 10226.0' CEMENT

9700.0 - 9701.0' ABANDONED PERFS

60 FNL & 760 FWL
EC 1, TWN 18 S, RANGE 34 E
ELEVATION: 4010 ES
COMPLETION DATE: 11-16-63

COMPLETION INTERVAL: 9938 - 9960 (WFMP)
IP: 284 BOPD, 0 MCFD, 20 BWPD (FLOWING)

SECOND CMPL INTRVL: 6076 - 6094 (GLRT)
IP: 40 BOPD, 0 MCFD, 160 BWPD (S)



KB ELEV: 4010'
TD: 12215'

0.0 - 1492.0' 17.5 " OD HOLE

2600.0 - 2610.0' FISH

6025.0 - 6035.0' FISH

1492.0 - 4788.0' 12.25 " OD HOLE

0.0 - 9473.0' 2.875" OD TBG

0.0 - 10202.0' 2.875" OD TBG

0.0 - 10226.0' 2.875" OD TBG

6044.0 - 6046.0' ABANDONED PERFS

6076.0 - 6094.0' SQUEEZE PERFS

6000.0 - 6005.0' PLUG

6000.0 - 6094.0' CEMENT PLUG

9068.0 - 9214.0' SQUEEZE PERFS

9283.0 - 9310.0' SQUEEZE PERFS

9337.0 - 9349.0' PERFS

9770.0 - 9800.0' PERFS

9938.0 - 9960.0' PERFS

10265.0 - 10365.0' CEMENT PLUG

4788.0 - 12215.0' 8.75" OD HOLE

12115.0 - 12215.0' CEMENT PLUG

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-105
Revised 1-1-89

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		7. Lease Name or Unit Agreement Name NEW MEXICO-L-STATE	
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐			
2. Name of Operator TEXACO PRODUCING INC.		8. Well No. 10	
3. Address of Operator P. O. Box 3109, Midland, Texas 79702		9. Pool name or Wildcat VACUUM GLORIETA	
4. Well Location Unit Letter B : 280 Feet From The NORTH Line and 2080 Feet From The EAST Line Section 1 Township 18-SOUTH Range 34-EAST NMPM LEA County			
10. Date Spudded 04-18-91	11. Date T.D. Reached 05-03-91	12. Date Compl. (Ready to Prod.) 05-21-91	13. Elevations (DFA at RKB, RT, GR, etc.) GR-3993', KB-4'008'
14. Elev. Casinghead 3993'			
15. Total Depth 6300'	16. Plug Back T.D. 6200'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0-6300'
19. Producing Interval(s), of this completion - Top, Bottom, Name 6017' - 6132'; GLORIETA			20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run GR-MSFL-DLL-CAL, GR-LDT-CNL, GR-SONIC			22. Was Well Cored NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4	42#	1550'	14 3/4	1400 SX, CIRC. 300 SX.	
8 5/8	32#	3000'	11	1050 SX, CIRC. 130 SX.	
				D.V. TOOL @ 1583'	
5 1/2	15.5#	6300'	7 7/8	1375 SX, CIRC. 264 SX.	
				D.V. TOOL @ 5018'	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD	SIZE	DEPTH SET	PACKER SET
					2 7/8	6162'		

26. Perforation record (interval, size, and number)
6017-19', 6023-27', 6056-60', 6064-67', 52 HOLES
6083-86', 6094-96', 6102-04', 6109-14', 6120-24',
6128-32', 80 HOLES

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6017' - 6067'	ACID - 3200 GAL 15% NEFE
6083' - 6132'	ACID - 3200 GAL 15% NEFE

28. PRODUCTION

Date First Production 05-15-91		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING, 2.5 X 1.5 X 24				Well Status (Prod. or Shut-in) PRODUCING	
Date of Test 05-29-91	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 102	Gas - MCF 45	Water - Bbl. 98	Gas - Oil Ratio 441
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 29.8	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
OLD

Test Witnessed By
RANDY LOCKLAR

List Attachments

VIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C. P. Basham / SDH Printed Name C. P. BASHAM Title DRLG. OPNS. MGR. Date 06-05-91

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-31132

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil / Gas Lease No.

B-2146

7. Lease Name or Unit Agreement Name

VACUUM GLORIETA WEST UNIT

8. Well No.

114

9. Pool Name or Wildcat

VACUUM GLORIETA

SUNDRY NOTICES AND REPORTS ON WELL
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator

TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator

205 E. Bender, HOBBS, NM 88240

4. Well Location

Unit Letter B : 280 Feet From The NORTH Line and 2080 Feet From The EAST Line

Section 1 Township 18S Range 34E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3993' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒

ALTERING CASING ☐

COMMENCE DRILLING OPERATION ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

11-15-97: MIRU. TIH W/BP & SET @ 5869'.

11-16-97: TEST CSG TO 1100 PSI-OK. ND BOP.

11-19-97: NU & TEST BOP.

11-20-97: TIH & TAG CIBP @ 5870'.

11-22-97: TIH W/3 DEG WHIPSTOCK. MILLING

11-23 THRU 11-28-97: DRILLING. REL RIG 11-28-97.

12-03-97: TIH W/RETR TOOL. LATCH & REL RBP @ 5207'. TIH W/PKR & TBG. PSA 5737'.

12-04 THRU 12-06-97: SWABBING

12-07-97: RAN PMP. REM BOP. RDP. ON PRODUCTION @ 3:30 PM. PUMPING & TESTING.

12-15-97: NDWH. NUBOP. TIH W/PKR & SET @ 5756'. LOAD & TEST CSG TO 500#-OK.

12-16-97: ACIDIZE

12-17-97: TIH W/DSP TOOL ON TBG TO END OF LATERAL @ 7471'. PULL TO 7370'. ACIDIZE 7370-6070' W/30,000 GALS 15% NEFE HCL

12-18-97: UNSET PKR.

12-19-97: TIH W/MOTORS, SEPERATOR, PUMP. NDBOP. NUWH. INSTL FLOW LINE. WELL PUMPED UP @ 3 PM.

12-24-97: ON 24 HR OPT. PUMPED 242 BO, 1148 BW, & 48 MCF.

FINAL REPORT

MD = 7471

7211074 = 297

TVN = 5912

667' NUBOP

1244 WEST

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant

DATE 3/9/98

TYPE OR PRINT NAME J. Denise Leake

Telephone No. 397-0405

(This space for State Use) ORIGINAL SIGNED BY CHRIS WILLIAMS
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

DATE 12-13-1998

Submit to appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico

Minerals and Natural Resources Department

Form C-105

Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30 025 31131

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil / Gas Lea

B-1733-1

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:

NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER ☐ DIRECTIONAL DRILL

2. Name of Operator

TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator

205 E. Bender, HOBBS, NM 88240

7. Lease Name or Unit Agreement Name

VACUUM GLORIETA WEST UNIT

8. Well No.

115

9. Pool Name or Wildcat

VACUUM GLORIETA

4. Well Location

SHL Unit Letter A 604 Feet From The NORTH Line and 856 Feet From The EAST Line
BHL Section 1 Township 18S Range 34E 443 443
175 352 NMPM LEA COUNTY

10. Date Spudded
12/6/97

11. Date T.D. Reached
12/15/97

12. Date Compl. (Ready to Prod.)
12/24/97

13. Elevations (DF & RKB, RT, GR, etc.)
3986 GL

14. Elev. Csghead

15. Total Depth
7459'

16. Plug Back T.D.

17. If Mult. Compl. How Many Zones?

18. Intervals
Drilled By

Rotary Tools

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name
5848-5860' WINDOW

20. Was Directional Survey Made
YES

21. Type Electric and Other Logs Run
GR-CCL

22. Was Well Cored
NO

CASING RECORD (Report all Strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
14 3/4"	42#	1550'	14 3/4"	1400 SX, CIRC 300 SX	
8 5/8"	32#	3000'	11"	1050 SX, CIRC 315 SX	
5 1/2"	15.5#	6300'	7 7/8"	1375 SX, CIRC 90 SX	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	5799'	

25. TUBING RECORD

26. Perforation record (interval, size, and number)
5848-5860 WINDOW

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

28. PRODUCTION

Date First Production 12/24/97		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING (SUB PUMP)					Well Status (Prod. or Shut-in) PROD	
Date of Test 1-31-98	Hours tested 24 HRS	Choke Size	Prod'n For Test Period	Oil - Bbl. 450	Gas - MCF 41	Water - Bbl. 290	Gas - Oil Ratio	
Flow Tubing Press.		Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
SOLD

Test Witnessed By

30. List Attachment

I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNATURE

J. Denise Leake

TITLE Engineering Assistant

DATE

7/14/98

TYPE OR PRINT NAME

J. Denise Leake

Telephone No.

397-0405

Hobbs and Manager

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-105
Revised 1-1-89

WELL FILE

WELL API NO.
30-025-31131

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-1733-1

7. Lease Name or Unit Agreement Name
NEW MEXICO-L-STATE

8. Well No.
11

9. Pool name or Wildcat
VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIPP RESVR ☐ OTHER ☐

2. Name of Operator
TEXACO E & P INC.

3. Address of Operator
P. O. Box 3109, Midland, Texas 79702

4. Well Location
Unit Letter A : 604 Feet From The NORTH Line and 856 Feet From The EAST Line

Section 1 Township 18-SOUTH Range 34-EAST NMPM LEA County

10. Date Spudded 03-28-91 11. Date T.D. Reached 04-15-91 12. Date Compl. (Ready to Prod.) 06-11-91 13. Elevations (DF & RKB, RT, GR, etc.) GR-3986', KB-4001' 14. Elev. Casinghead 3986'

15. Total Depth 6300' 16. Plug Back T.D. 6250' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools 0-6300' Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 5956' - 6192'; GLORIETA 20. Was Directional Survey Made YES

21. Type Electric and Other Logs Run GR-MSFL-DLL-CAL, GR-LDT-CNL, GR-SONIC 22. Was Well Cored NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4	42#	1550'	14 3/4	1400 SX, CIRC. 300 SX.	
8 5/8	32#	3000'	11	1050 SX, CIRC. 315 SX.	
				D.V. TOOL @ 1565'	
5 1/2	15.5#	6300'	7 7/8	1375 SX, CIRC. 90 SX	
				D.V. TOOL @ 4983'	

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	6198'	

26. Perforation record (interval, size, and number) SEE ATTACHED SUNDRY NOTICE		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED	
5956' - 5970'		ACID - 2200 GAL 15% NEFE	
5984' - 6092'		ACID - 4700 GAL 15% NEFE	
6145' - 6192'		ACID - 4200 GAL 15% NEFE	

28. PRODUCTION							
Date First Production 05-08-91		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING, 2.5 X 1.5 X 24					
Date of Test 06-28-91	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 58	Gas - MCF 100	Well Status (Prod. or Shut in) PRODUCING	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio 1224	
						Oil Gravity - API - (Comp) 32.5	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD Test Witnessed By D. E. WELLS

30. List Attachments
DEVIATION SURVEY, SUNDRY NOTICE

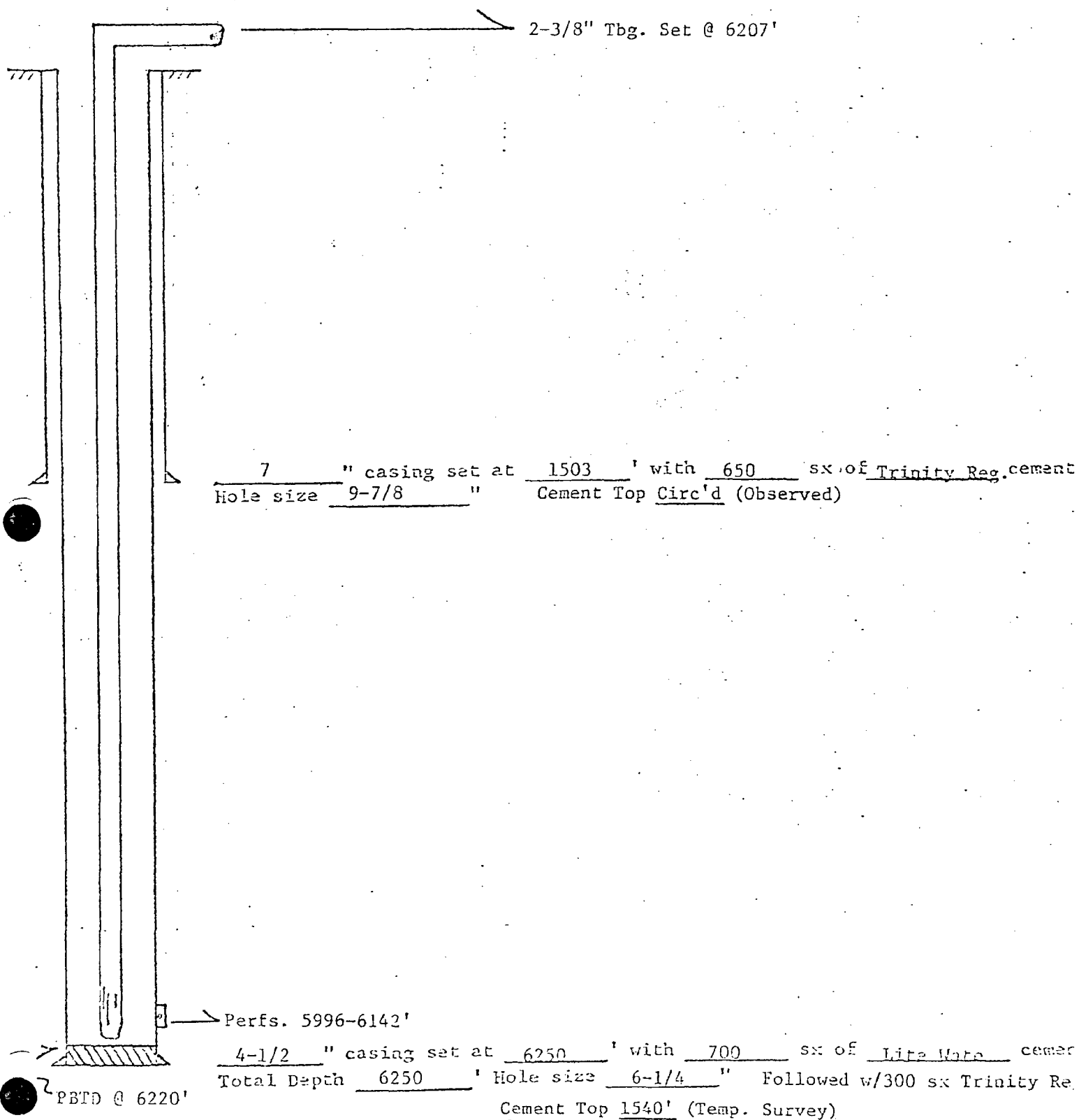
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C. P. Basham / DOK Printed Name C. P. BASHAM Title DRLG. OPNS. MGR. Date 07-12-91

VCWU #116

32

FIELD	VACUUM GLORIETA	OPERATOR	MARATHON OIL COMPANY	DATE	6/28/76
LEASE	WARN. STATE a/c 2	WELL NO	12	LOCATION	Sec. 6-T18S-R35E



OIL CONSERVATION DIVISION

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

DISTRICT II

Box 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 API NO.	3002520753
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	B-1113

WELL COMPLETION OR RECOMPLETION REPORT AND LOG				
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐			7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT	
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER ☐ HORIZONTAL ☐			8. Well No. 116	
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.			9. Pool Name or Wildcat VACUUM GLORIETA	
3. Address of Operator 205 E. Bender, HOBBS, NM 88240				
4. Well Location <u>BHLE D, 435 FNL, 1018' FWL</u> Unit Letter <u>D</u> : <u>330</u> Feet From The <u>NORTH</u> Line and <u>500</u> Feet From The <u>WEST</u> Line Section <u>6</u> Township <u>18S</u> Range <u>35E</u> NMPM <u>LEA</u> COUNTY				
10. Date Spudded 10/03/1999	11. Date T.D. Reached 10/12/1999	12. Date Compl. (Ready to Prod.) 10/19/1999	13. Elevations (DF & RKB, RT, GR, etc.)	14. Elev. Csghead
15. Total Depth 6507'	16. Plug Back T.D.	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools Cable Tools
19. Producing Intervals, of this completion - Top, Bottom, Name 5908-6507 O.H. GLORIETA				20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run CCL STRIP				22. Was Well Cored NO

23. CASING RECORD (Report all Strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
			NO CHANGE		
24. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
26. Perforation record (interval, size, and number) 5908-6507 O.H.				27. ACID SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
				DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
				5908-6507	25000 GALS 15% HCL
					20000 WF130 PAD

28. PRODUCTION						
Date First Production 10/22/1999		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING SUB PUMP 2-3.38"			Well Status (Prod. or Shut-in) PROD	
Date of Test 10-26-99	Hours tested 24 HRS.	Choke Size	Prod'n For Test Period	Oil - Bbl. 78	Water - Bbl. 74	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD					Test Witnessed By	
30. List Attachment						
31. I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.						
SIGNATURE <u>J. Denise Leake</u>			TITLE <u>Engineering Assistant</u>		DATE <u>11/23/1999</u>	
PRINT NAME <u>J. Denise Leake</u>			Telephone No. <u>397-0405</u>			

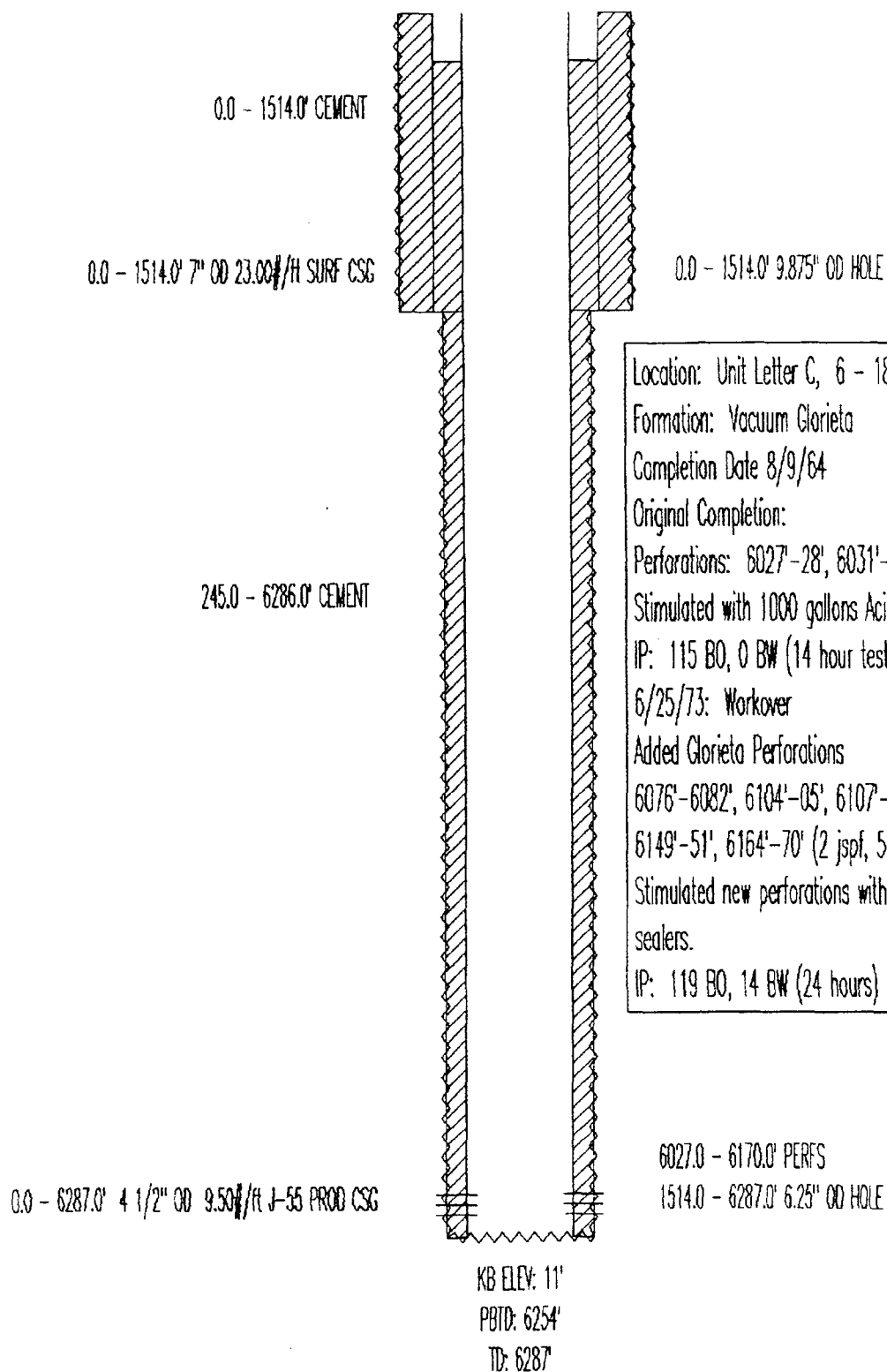


Lateral: 0		Proposed Direction: 99.8				Dog Leg Severity per: 100 feet		
Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
5903	1.20	347.30	5902.40	11.40	-9.20	-11.01	0.00	
5945	18.70	115.80	5943.68	8.87	-3.18	-4.64	46.35	
5955	24.20	116.10	5952.99	7.27	0.11	-1.13	55.01	
5965	30.00	117.20	5961.89	5.23	4.18	3.23	58.21	
5975	36.70	116.00	5970.24	2.77	9.09	8.49	67.32	
5985	43.80	113.20	5977.86	0.10	14.97	14.73	73.25	
5995	50.70	110.50	5984.65	-2.63	21.78	21.91	71.78	
6008	59.70	107.30	5992.06	-6.06	31.87	32.44	72.11	
6039	80.00	101.40	6002.69	-13.14	59.93	61.29	67.84	
6068	85.60	100.10	6006.33	-18.50	88.18	90.05	19.82	
6100	88.00	100.10	6008.11	-24.11	119.64	121.99	7.50	
6131	87.90	99.40	6009.22	-29.35	150.17	152.97	2.28	
6162	88.30	100.10	6010.25	-34.60	180.70	183.96	2.60	
6194	87.90	100.70	6011.31	-40.37	212.16	215.94	2.25	
6225	87.70	101.10	6012.50	-46.23	242.58	246.91	1.44	
6256	88.80	101.20	6013.45	-52.22	272.98	277.88	3.56	
6287	88.40	102.80	6014.20	-58.67	303.29	308.85	5.32	
6319	88.10	102.30	6015.18	-65.62	334.51	340.80	1.82	
6349	88.20	102.20	6016.15	-71.98	363.81	370.76	0.47	
6380	87.80	102.50	6017.23	-78.60	394.08	401.71	1.61	
6412	88.50	102.40	6018.26	-85.50	425.31	433.66	2.21	
6443	89.00	102.00	6018.94	-92.05	455.60	464.62	2.07	
6474	88.10	101.10	6019.73	-98.25	485.96	495.60	4.11	
6507	88.10	101.10	6020.82	-104.60	518.33	528.57	0.00	

DJC

Vacuum Glorieta West Un 117
Current Wellbore Diagram

1-16-97



Location: Unit Letter C, 6 - 18S - 35E

Formation: Vacuum Glorieta

Completion Date 8/9/64

Original Completion:

Perforations: 6027'-28', 6031'-32', 6038'-39'

Stimulated with 1000 gallons Acid

IP: 115 BO, 0 BW (14 hour test, flowing)

6/25/73: Workover

Added Glorieta Perforations

6076'-6082', 6104'-05', 6107'-09', 6131'-32', 6135'-43',
6149'-51', 6164'-70' (2 jspl, 52 holes)

Stimulated new perforations with 3900 g 20% acid + 75 ball
sealers.

IP: 119 BO, 14 BW (24 hours)

Hobbs

WELL FILE

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

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

OIL CONSERVATION DIVISION

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

WELL API NO.

30-025-31859

5. Indicate Type of Lease

STATE ☒FEE ☐

6. State Oil & Gas Lease No.

B-1733-2

7. Lease Name or Unit Agreement Name

VACUUM GLORIETA WEST UNIT

8. Well No.

120

9. Pool name or Wildcat

VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DFF RESVR ☐ OTHER ☐

2. Name of Operator

TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator

P. O. Box 3109, Midland, Texas 79702

4. Well Location

Unit Letter B : 1102 Feet From The NORTH Line and 1575 Feet From The EAST Line

Section 1

Township 18-SOUTH

Range 34-EAST

NMPM LEA

County

10. Date Spudded

06-30-93

11. Date T.D. Reached

07-08-93

12. Date Compl. (Ready to Prod.)

07-23-93

13. Elevations (DF & RKB, RT, GR, etc.)

GR-3988', KB-4002'

14. Elev. Casinghead

3988'

15. Total Depth

6321'

16. Plug Back T.D.

6266'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By Rotary Tools

0 - 6321'

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

6083' - 6188'; GLORIETA

20. Was Directional Survey Made

YES

21. Type Electric and Other Logs Run

GR-DLL-MSFL, GR-DSN-SDL

22. Was Well Cored

NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1470'	11	CL-C 650 SXS, CIRC. 23 SX	
5 1/2	15.5# & 17#	6321'	7 7/8	CL-H 1460 SXS, TOC @ 475'	
				BY T.S.	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	6014'	6014'

26. Perforation record (interval, size, and number)

6083-6113, 6120-6133, 6137-6164, 6176-6188;
2 JSPF, 164 HOLES.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6083' - 6188'	ACID - 3300 GAL, 15% HCL

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)		

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By
RANDY TRAMMEL

30. List Attachments

DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C.P. Basham / SDH Printed Name C.P. BASHAM

Title DRLG. OPER. MGR. Date 07-26-93

Holish Cross/Monte Duncan

WELL FILE

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

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

WELL API NO. 30-025-31876
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-1733-2

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION	7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐	
2. Name of Operator TEXACO EXPLORATION AND PRODUCTION INC.	8. Well No. 121
3. Address of Operator P. O. Box 3109, Midland, Texas 79702	9. Pool name or Wildcat VACUUM GLORIETA

4. Well Location Unit Letter <u>A</u> : <u>964</u> Feet From The <u>NORTH</u> Line and <u>90</u> Feet From The <u>EAST</u> Line Section <u>1</u> Township <u>18-SOUTH</u> Range <u>34-EAST</u> NMPM LEA County
--

10. Date Spudded 07-10-93	11. Date T.D. Reached 07-24-93	12. Date Compl. (Ready to Prod.) 08-08-93	13. Elevations (DFA & RKB, RT, GR, etc.) GR-3986', KB-4000'	14. Elev. Casinghead 3986'
15. Total Depth 6343'	16. Plug Back T.D. 6298'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0 - 6343'	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 5996' - 6238'; GLORIETA				20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run GR-DLL-MSFL, GR-DSN-SDL-CSNG, GR-CCL-FULL WAVE SONIC				22. Was Well Cored YES

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1450'	11	CL-C 650 SX, CIRC. 97 SX	
5 1/2	15.5# & 17#	6343'	7 7/8	CL-H 1600 SX, CIRC. 50 SX	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	5913'	5913'

26. Perforation record (interval, size, and number) 5996-6019, 6024-6082, 6094-6126, 6170-6238; 2 JSPF, 362 HOLES.	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 5996' - 6238' AMOUNT AND KIND MATERIAL USED ACID - 7000 GAL, 15% HCL
--	---

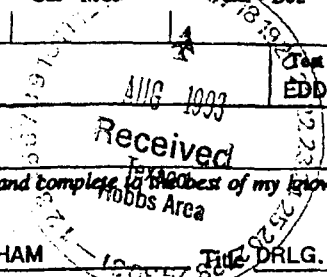
PRODUCTION

28. Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By EDDIE WELBORN
--	------------------------------------

30. List Attachments DEVIATION SURVEY
--

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief	
Signature <u>C. P. Basham</u>	Printed Name <u>C. P. BASHAM</u> Title <u>DRLG. OPER. MGR.</u> Date <u>08-12-93</u>



SCIENTIFIC DRILLING

HORIZONTAL SURVEY PROGRAM

MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E. & P., INC

START: 5/28/00

WELL: VGWU #121

UPPER LATERAL (WEST)

FINISH: 5/30/00

LOCATION: LEA COUNTY, NEW MEXICO

INFORMATION PROVIDED BY: SDI

JOB NO: 32D0500182

HORIZONTAL COORDINATOR: B. LAMB - RD BRUSENHAN

DIP1 = 0.00 deg = 90.00 deg

DIP2 = 0.00 deg = 90.00 deg

TARGET1 = 6,010 ft TVD

VS1 = 119 ft

TARGET2 = 6,010 ft TVD

VS2 = 1,000 ft

DATE: 5/30/00 TIME: 11:40 AM DECLINATION= 9.36 DIRECTION 260.00

TIE	5900	2.35	262.71	5898.6	2.1	0.0	0.0	49.3	111.4	-27.9	-29.1	2.9
1	5950	35.00	261.80	5945.3	18.0	65.3	65.3	37.8	64.7	-28.6	-31.3	-12.7
2	5960	40.50	259.40	5953.2	24.1	56.9	55.0	35.4	56.8	-28.6	-32.3	-18.8
3	5973	47.30	262.50	5962.6	33.1	54.8	52.3	32.0	47.4	-28.4	-33.7	-27.7
4	5993	58.80	264.60	5974.6	49.0	58.1	57.5	23.4	35.4	-27.4	-35.5	-43.5
5	6013	68.60	264.60	5983.4	68.9	49.0	49.0	14.9	26.6	-26.0	-37.2	-61.4
6	6033	72.70	264.60	5990.1	85.7	20.5	20.5	13.0	19.9	-24.5	-39.0	-80.1
7	6053	76.20	263.60	5995.4	104.9	18.2	17.5	11.4	14.6	-23.1	-41.0	-99.3
8	6073	78.80	263.60	5999.8	124.4	13.0	13.0	10.7	10.2	-21.9	-43.1	-118.7
9	6093	79.90	263.30	6003.5	144.0	5.7	5.5	13.6	6.5	-20.7	-45.4	-138.2
10	6103	81.10	262.50	6005.1	153.9	14.4	12.0	14.1	4.9	-20.2	-46.6	-148.0
11	6131	84.80	261.50	6008.5	181.6	13.7	13.2	16.2	1.5	-19.2	-50.5	-175.5
12	6162	89.40	261.10	6010.1	212.6	14.9	14.8	-2.7	-0.1	-18.5	-55.1	-206.1
13	6194	90.80	261.10	6010.1	244.6	4.4	4.4	-9.4	-0.1	-17.9	-60.1	-237.7
14	6225	91.00	261.80	6009.6	275.5	2.3	0.6	2.0	0.4	-17.1	-64.7	-268.4
15	6257	88.50	261.50	6009.7	307.5	7.9	-7.8	6.8	0.3	-16.2	-69.4	-300.0
16	6289	87.80	260.80	6010.7	339.5	3.1	-2.2	-5.7	-0.7	-15.6	-74.3	-331.6
17	6320	88.50	261.10	6011.7	370.5	2.5	2.3	-1.1	-1.7	-15.0	-79.1	-362.2
18	6352	90.60	261.10	6012.0	402.5	6.6	6.6	-0.2	-2.0	-14.4	-84.1	-393.9
19	6383	90.30	260.80	6011.8	433.5	1.4	-1.0	0.0	-1.8	-13.9	-89.0	-424.5
20	6415	93.10	261.50	6010.8	465.4	9.0	8.7	-10.4	-0.8	-13.3	-93.9	-456.1
21	6447	94.10	261.80	6008.8	497.4	3.3	3.1	12.2	1.2	-12.3	-98.5	-487.7
22	6478	95.00	262.20	6006.3	528.3	3.2	2.9	6.0	3.7	-11.3	-102.8	-518.3
23	6510	95.00	262.20	6003.5	560.1	0.0	0.0	3.4	6.5	-10.0	-107.2	-549.9
24	6541	91.10	261.10	6001.9	591.0	13.1	-12.6	0.1	8.1	-9.2	-111.7	-580.5
25	6573	91.00	260.80	6001.3	623.0	1.0	-0.3	0.1	8.7	-8.6	-116.7	-612.1
26	6605	90.80	260.40	6000.8	655.0	1.4	-0.6	0.1	9.2	-8.3	-121.9	-643.6
27	6636	91.10	260.40	6000.3	686.0	1.0	1.0	0.1	9.7	-8.1	-127.1	-674.2

SCIENTIFIC DRILLING

HORIZONTAL SURVEY PROGRAM
MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO & P., INC

WELL: VGWU #121

UPPER LATERAL (WEST)

LOCATION: LEA COUNTY, NEW MEXICO

JOB NO: 32D0500182

START: 5/28/00

FINISH: 5/30/00

INFORMATION PROVIDED BY: SDI

HORIZONTAL COORDINATOR: B. LAMB - RD BRUSENHAN

DIP1 = 0.00 deg = 90.00 deg

TARGET1 = 6,010 ft TVD

VS1 = 119 ft

DIP2 = 0.00 deg = 90.00

TARGET2 = 8,010 ft TVD

VS2 = 1,000 ft

DATE: 5/30/00 TIME: 11:40 AM DECLINATION=

9.36 DIRECTION 260.00

TRUE

CENTER

SVY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	ACTUAL BUR	BUR REQ'D	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)
28	6668	91.50	260.80	5999.6	718.0	1.8	1.3	0.2	10.4	-7.7	-132.3	-705.8
29	6700	92.80	261.50	5998.4	750.0	4.1	3.4	0.5	11.6	-7.1	-137.2	-737.4
30	6732	94.30	261.50	5996.5	781.9	5.3	5.3	1.2	13.5	-6.3	-141.9	-769.0
BIT	6770	94.30	261.50	5993.6	819.8	0.0	0.0	1.0	16.4	-5.3	-147.5	-806.4

SCIENTIFIC DRILLING

HORIZONTAL SURVEY PROGRAM

MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E. & P., INC.

WELL: VGUJ #121

LOWER LATERAL (EAST)

LOCATION: LEA COUNTY, NEW MEXICO

JOB NO: 32D0500182

START: 5/24/00

FINISH: 5/6/00

INFORMATION PROVIDED BY: SDI

HORIZONTAL COORDINATOR: B. LAMB - RD BRUSENHAN

DIP1 = -0.86 deg = 89.14 deg

TARGET1 = 6.015 ft TVD

VS1 = 81 ft

DIP2 = -0.86 deg = 89.14 deg

TARGET2 = 6.025 ft TVD

VS2 = 750 ft

DATE: 5/29/00 TIME: 10:01 AM DECLINATION =

9.36 DIRECTION: 80.00

MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	ACTUAL BUR	BUR REQ'D	CENTER		RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)
								ABOVE(+) BELOW(-)	BELOW(-)			
5927	2.58	264.60	5925.6	-3.3	0.2	0.0	61.1	88.1	29.2	-29.3	1.8	
5968	26.60	75.80	5965.3	5.1	71.1	58.6	63.5	48.6	28.4	-27.1	10.0	
5978	34.80	75.80	5973.9	10.2	82.0	82.0	59.6	40.1	28.0	-25.8	14.9	
5988	42.20	75.80	5981.7	16.4	74.0	74.0	56.2	32.4	27.6	-24.3	20.9	
5993	46.10	75.80	5985.3	19.9	78.0	78.0	53.5	28.8	27.3	-23.5	24.3	
6010	58.90	76.50	5995.6	33.3	75.4	75.3	41.7	18.7	26.4	-20.2	37.4	
6030	72.70	76.90	6003.8	51.5	69.0	69.0	21.7	10.8	25.4	-16.1	55.1	
6040	74.80	77.60	6006.6	61.1	22.0	21.0	22.0	8.1	24.9	-13.9	64.5	
6050	76.20	77.90	6009.1	70.7	14.3	14.0	25.2	5.8	24.5	-11.9	73.9	
6060	77.60	78.30	6011.3	80.5	14.5	14.0	31.7	3.7	24.2	-9.9	83.4	
6070	79.00	78.70	6013.4	90.2	14.5	14.0	50.5	1.8	24.0	-7.9	93.0	
6080	80.60	79.00	6015.1	100.1	16.3	16.0	427.2	0.1	23.8	-6.0	102.7	
6090	82.30	79.00	6016.6	110.0	17.0	17.0	-34.3	-1.2	23.6	-4.1	112.4	
6100	83.80	79.30	6017.8	119.9	15.3	15.0	-11.1	-2.3	23.4	-2.3	122.1	
6135	88.30	79.70	6020.2	154.8	12.9	12.9	-0.1	-4.1	23.1	4.1	156.5	
6167	89.00	79.30	6021.0	186.8	2.5	2.2	0.0	-4.4	22.9	9.9	187.9	
6199	90.40	78.30	6021.2	218.8	5.4	4.4	-0.3	-4.1	22.2	16.1	219.3	
6231	91.10	78.30	6020.8	250.8	2.2	2.2	-1.0	-3.2	21.2	22.6	250.6	
6262	91.10	78.30	6020.2	281.8	0.0	0.0	-1.6	-2.1	20.3	28.9	281.0	
6294	92.00	78.70	6019.3	313.7	3.1	2.8	-9.0	-0.8	19.5	35.3	312.3	
6325	92.20	79.00	6018.2	344.7	1.2	0.6	10.1	0.8	18.9	41.3	342.7	
6357	92.00	79.70	6017.0	376.7	2.3	-0.6	2.9	2.5	18.5	47.2	374.2	
6388	91.00	77.60	6016.2	407.7	7.5	-3.2	0.8	3.7	17.8	53.3	404.5	
6420	89.60	77.20	6016.0	439.6	4.6	-4.4	0.0	4.4	16.3	60.3	435.8	
6452	86.90	76.20	6017.0	471.6	9.0	-8.4	1.1	3.9	14.5	67.6	466.9	
6484	86.00	76.20	6019.0	503.4	2.8	-2.8	3.6	2.4	12.4	75.2	497.9	
6514	89.60	78.30	6020.1	533.4	13.9	12.0	0.1	1.7	10.9	81.9	527.1	
6546	91.00	77.60	6019.9	565.3	4.9	4.4	1.3	2.3	9.8	88.5	558.4	

SCIENTIFIC DRILLING

HORIZONTAL SURVEY PROGRAM

MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: **TEXACO E. & P., INC**WELL: **VGWU #121**

LOWER LATERAL (EAST)

LOCATION: **LEA COUNTY, NEW MEXICO**JOB NO: **32D0500182**START: **5/24/00**FINISH: **5/6/00**INFORMATION PROVIDED BY: **SDI**HORIZONTAL COORDINATOR: **B. LAMB - RD BRUSENHAN**DIP1 = -0.86 deg = 89.14 deg
TARGET1 = 6.015 ft TVD
VS1 = 81 ftDIP2 = -0.86 deg = 89.14
TARGET2 = 6.025 ft TVD
VS2 = 750 ftDATE: **5/29/00** TIME: **10:01 AM** DECLINATION =9.36 | DIRECTION: **80.00**

TRUE

CENTER

SVY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	ACTUAL BUR	BUR REQ'D	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)
27	6578	93.30	77.60	6018.7	597.3	7.2	7.2	3.8	4.0	8.4	95.4	589.7
28	6610	94.30	77.20	6016.6	629.2	3.4	3.1	3.5	6.6	7.0	102.4	620.8
29	6642	94.50	77.20	6014.2	661.0	0.6	0.6	2.6	9.5	5.4	109.4	651.9
30	6673	94.80	76.50	6011.7	691.9	2.4	1.0	2.2	12.5	3.7	116.5	682.0
31	6694	95.40	75.80	6009.8	712.8	4.4	2.9	2.3	14.7	2.3	121.5	702.3
TD	6731	95.40	75.80	6006.3	749.5	0.0	0.0	1.8	18.7	-0.4	130.5	738.1

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-105
Revised 1-1-89

WELL API NO.
30-025-31877

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-1113-1

7. Lease Name or Unit Agreement Name
VACUUM GLORIETA WEST UNIT

8. Well No.
122

9. Pool name or Wildcat
VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER

2. Name of Operator
TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator
P. O. Box 3109, Midland, Texas 79702

4. Well Location
Unit Letter D : 845 Feet From The NORTH Line and 1061 Feet From The WEST Line
Section 6 Township 18-SOUTH Range 35-EAST NMPM LEA County

10. Date Spudded 08-21-93 11. Date T.D. Reached 08-28-93 12. Date Compl. (Ready to Prod.) 09-16-93 13. Elevations (DF& RKB, RT, GR, etc.) GR-3983', KB-3997' 14. Elev. Casinghead 3983'

15. Total Depth 6373' 16. Plug Back T.D. 6256' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools 0 - 6373' Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name
6033' - 6251'; GLORIETA

20. Was Directional Survey Made
YES

1. Type Electric and Other Logs Run
GR-DLL-MSFL, GR-DSN-SDL

22. Was Well Cored
NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1440'	11	CL-C 650 SX, CIRC. 129 SX	
5 1/2	15.5# & 17#	6373'	7 7/8	CL-H 1780 SX, CIRC. 158 SX	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	5973'	5973'

26. Perforation record (interval, size, and number)
6033-6053, 6061-6079, 6155-6167, 6218-6224, 6232-6251; 2 JSPF, 130 HOLES.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6033' - 6251'	ACID - 2600 GAL, 15% HCL

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)		

9. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By
RANDY TRAMMEL

30. List Attachments

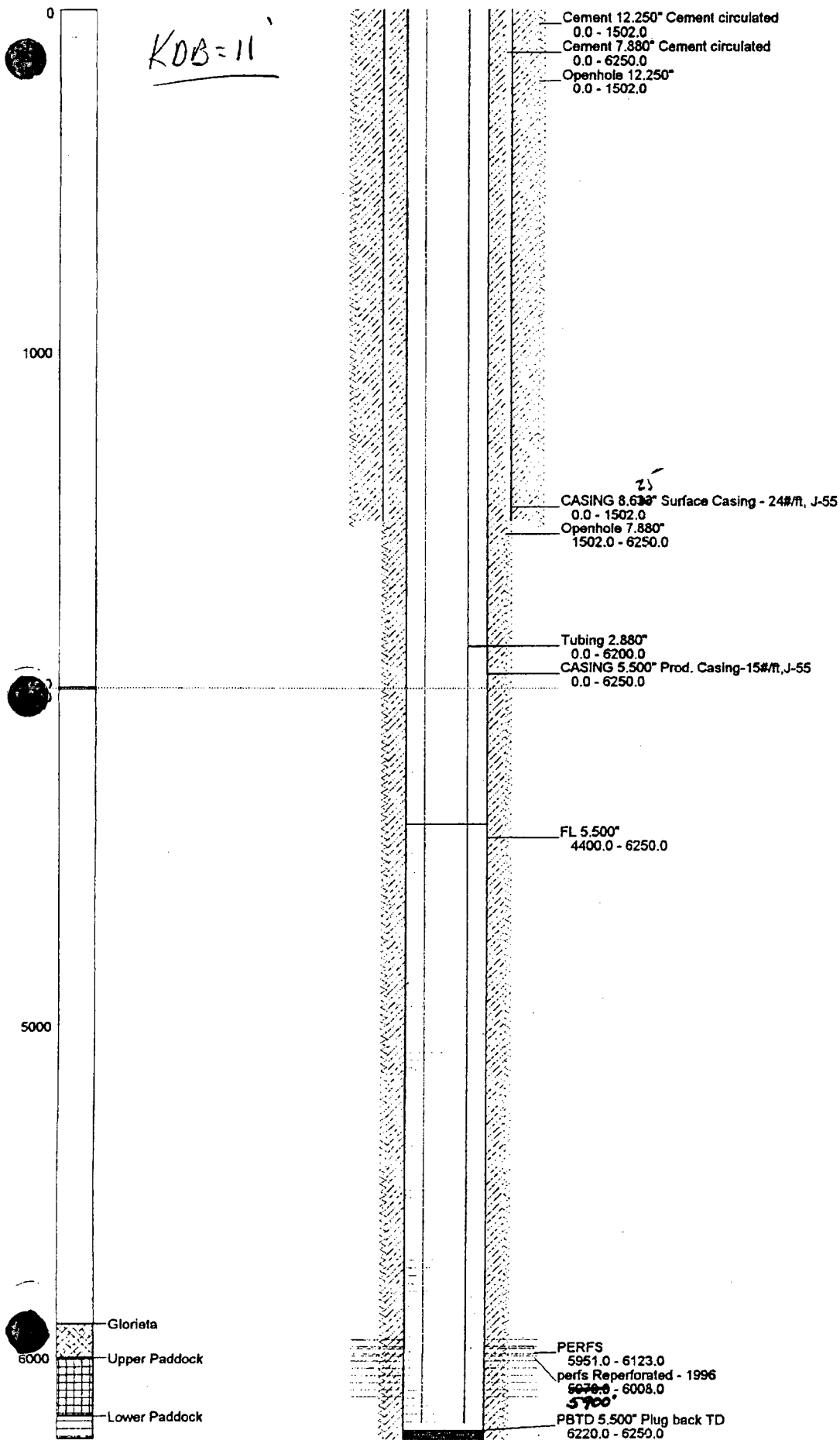
DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C. P. Basham / JON Printed Name C. P. BASHAM

Title DRLG. OPER. MGR. Date 09-23-93

Name: 126 ID: 3002521031 Type: SIO Date: 19971216
KB: 4023.0 TD: 6300.0 PBTD: 6135.0 Comp Date: 0



Submit 3 copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I

Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

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

WELL API NO.

30-025-21031

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil / Gas Lease No.

B-1113

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT
(FORM C-101) FOR SUCH PROPOSALS.

7. Lease Name or Unit Agreement Name

VACUUM GLORIETA WEST UNIT

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER Horizontal

2. Name of Operator
TEXACO EXPLORATION & PRODUCTION INC.

8. Well No.

126

3. Address of Operator
205 E. Bender, HOBBS, NM 88240

9. Pool Name or Wildcat

VACUUM GLORIETA

4. Well Location

Unit Letter E : 1660 Feet From The NORTH Line and 380 Feet From The WEST Line

Section 6 Township 18S Range 35E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒

ALTERING CASING ☐

COMMENCE DRILLING OPERATION ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

Horizontal ☒

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

10-07-99: MIRU. NDWH. NUBOP. RU SPOOLER. RU KILL TRUCK PMJP FW DN ANNULUS. TIH W/BIT & CSG SCRAPER TO 5915'.

10-09-99: SET CMT RET @ 5890'. TEST ANNULUS TO 500 PSI. TEST TBG TO 2500 PSI. PUMP 1250 SX CL H.

10-10-99: TIH W/10 STNDS TBG. PUMP 200 SX CL H. TEST CSG TO 850 PSI. TIH W/BIT. TAG CMT RET.

10-11-99: TIH W/GAUGE RING. TAG RET @ 5890'. TIH & SET PKR @ 5887'.

10-15-99: MIRU RIG #119. NUBOP. TEST TO 1000 PSI. PU WHIPSTOCK. MILL 5866-5867', 5867-5872'. REAM 5870-5872', MILL 5872-5874'.

10-17-99: MILL 5874-5875. SLIDE DRILL 5875-5882, 5882-5887, 5887-5918, 5918-5928.

10-18-99: DRILL 5928-6054, 6054-6090.

10-19-99: DRILL 6090-6114, 6170, 6180, 6223, 6241, 6296, 6308, 6391, 6401, 6455, 6462, 6486, 6496, 6565, 6575, 6739, 6746, 6770, 6785, 6895, 6900, 6990, 6995, 7021, 7026, 7085, 7100, 7164, 7182, 7200.

10-21-99: ROTATE 7200-7209 TD @ 6:30 TIH W/OVERSHOT, GRAPPLE, JARS, DC'S. CATCH WHIPSTOCK. JAR FREE. TIH W/SUB.

10-22-99: TIH & LATCH INTO PKR. MILKL 5833-5834, 5837, 5838. TIH W/MILL #4.

10-23-99: MILL 5858-5839, 5844, 5852, 5853, 5856. COULD NOT GET BIT TO KICK OFF. DRILL DN BESIDE CSG. TIH W/NEW BIT & RUN GYRO. DRILL 5841-5852.

10-25-99: SLIDE DRILL 5852-53, 5885, 5916. REL GYRO. SLIDE FR 5916-6042, 6073, 6156, 6199, 6209, 6263, 6275, 6295, 6305, 6358, 6373, 6429, 6439, 6570, 6580, 6642, 6650, 6695, 6705, 6737, 6769, 6775, 6916. TD HLE @ 1300 HRS 10-26-99. TIH W/RBP SET @ 5495'. TEST TO 500 PSI. NDBOP. NU RENTAL BOP.

10-28-99: NDBOP. RIG REL

10-29-99: MIRUSU. TIH TO 5618'. RBP @ 5695'. REL RBP. TIH W/MOTOR, SEAL SSS, GAS SEPR, PUMP, TBG. NDBOP STACK.

11-07-99: NDWH. NUBOP. PULL SUB PUMP. PU BENT SUB, TBG, PKR. TIH W/SUB, PKR, TBG. TOP PKR @ 5744'. RDSU.

11-09-99: MIRU COIL TBG UNIT. STIM LOWER LATERAL W/20,000 GALS 15% HCL.

11-11-99: RU KILL TRUCK. OPEN PKR BYPASS. CIRC 125 BBLs 10# BRINE DN BACKSIDE. LD PKR. TIH W/RBP TO 5836'.

11-12-99: SET RBP BELOW UPPER WINDOW. TIH W/BHA. PSA 5734'.

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

SIGNATURE

J. Denise Leake

TITLE

Engineering Assistant

DATE

12/9/99

PE OR PRINT NAME

J. Denise Leake

Telephone No.

397-0405

APPROVED

CONDITIONS OF APPROVAL IF ANY:

TITLE

DATE

11-13-99: RU COIL TBG UNIT. TEST BOP. STIM HORIZONTAL PATH IN 8 STGSM FR 6840-6040
W/ACID. RD COIL TBG UNIT.

11-14-99: FLOW WELL TO TEST TANK.

11-16-99: OPEN PKR BYPASS. CIRC 30 BBL\$ BRINE DN TBG. REL PKR. TIH W/RETR HEAD TO
TOP OF RBP @ 5845'. REL RBP.

11-17-99: RU KILL TRUCK. PUMP 20 BBL\$ BRINE DN TBG. CHANGE OUT BOP RAMS. TIH
W/TBG & MOTOR, GAS SEPR, PUMP, . SET PUMP @ 5776'.

11-22-99: ON 24 HR OPT. PUMPED 737 BO, 269 BW, & 90 MCF.
FINAL REPORT



Lateral: 0		Proposed Direction: 104.8				Dog Leg Severity per: 100 feet		
Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GYRO
100	0.72	218.14	100.00	-0.49	-0.39	-0.25	0.72	
200	0.63	232.92	199.99	-1.32	-1.21	-0.84	0.20	
300	0.54	236.64	299.99	-1.91	-2.05	-1.49	0.10	
400	0.46	238.14	399.98	-2.38	-2.78	-2.08	0.08	
500	0.14	206.25	499.98	-2.70	-3.18	-2.38	0.35	
600	0.29	107.71	599.98	-2.89	-2.99	-2.15	0.34	
700	0.32	106.34	699.98	-3.04	-2.48	-1.62	0.03	
800	0.28	106.25	799.98	-3.19	-1.98	-1.10	0.04	
900	0.29	96.78	899.98	-3.29	-1.49	-0.60	0.05	
1000	0.18	110.54	999.97	-3.38	-1.09	-0.20	0.12	
1100	0.14	129.42	1099.97	-3.51	-0.85	0.07	0.07	
1200	0.26	173.52	1199.97	-3.81	-0.73	0.27	0.19	
1300	0.34	154.09	1299.97	-4.30	-0.58	0.54	0.13	
1400	0.26	151.81	1399.97	-4.77	-0.34	0.89	0.08	
1500	0.30	139.40	1499.97	-5.17	-0.06	1.26	0.07	
1600	0.46	132.16	1599.97	-5.64	0.41	1.83	0.17	
1700	0.59	119.76	1699.96	-6.16	1.15	2.69	0.17	
1800	0.58	121.74	1799.96	-6.68	2.03	3.67	0.02	
1900	0.63	130.70	1899.95	-7.31	2.87	4.65	0.11	
2000	0.80	109.31	1999.94	-7.90	3.95	5.84	0.31	
2100	0.98	89.00	2099.93	-8.11	5.46	7.36	0.36	
2200	1.22	83.08	2199.91	-7.97	7.38	9.17	0.27	
2300	1.98	60.13	2299.88	-6.98	9.93	11.39	0.98	
2400	2.38	52.22	2399.80	-4.85	13.07	13.88	0.50	
2500	2.39	56.31	2499.72	-2.42	16.45	16.52	0.17	
2600	2.50	57.98	2599.63	-0.11	20.03	19.39	0.13	
2700	2.52	57.57	2699.53	2.23	23.73	22.38	0.03	
2800	2.25	59.94	2799.44	4.39	27.29	25.26	0.29	
2900	2.17	58.44	2899.37	6.36	30.60	27.96	0.10	
3000	1.58	48.41	2999.32	8.27	33.25	30.03	0.67	
3100	1.22	55.59	3099.29	9.79	35.16	31.49	0.40	
3200	0.85	58.81	3199.27	10.77	36.67	32.70	0.37	
3300	0.52	113.66	3299.26	10.97	37.72	33.66	0.70	
3400	0.55	137.36	3399.26	10.44	38.46	34.52	0.22	
3500	0.68	179.91	3499.25	9.49	38.79	35.07	0.46	
3600	0.78	173.86	3599.24	8.22	38.86	35.47	0.13	
3700	0.96	187.15	3699.23	6.71	38.83	35.82	0.27	
3800	0.94	179.85	3799.22	5.06	38.73	36.15	0.12	
3900	0.94	196.62	3899.21	3.46	38.49	36.33	0.27	
4000	0.97	193.49	3999.19	1.85	38.06	36.33	0.06	
4100	0.94	209.35	4099.18	0.31	37.46	36.14	0.27	
4200	1.02	193.44	4199.16	-1.27	36.85	35.95	0.28	
4300	1.02	205.83	4299.15	-2.94	36.26	35.81	0.22	
4400	1.28	208.46	4399.13	-4.72	35.34	35.37	0.27	
4500	1.26	227.03	4499.10	-6.45	34.00	34.52	0.41	
4600	1.91	236.60	4599.07	-8.12	31.81	32.82	0.70	
4700	2.15	248.55	4699.00	-9.72	28.67	30.20	0.49	
4800	2.83	248.80	4798.91	-11.30	24.62	26.69	0.68	
4900	3.16	257.26	4898.77	-12.80	19.63	22.25	0.55	
5000	3.23	256.26	4998.62	-14.08	14.21	17.33	0.09	
5100	3.26	255.43	5098.46	-15.46	8.72	12.38	0.06	



5200	3.38	261.29	5198.29	-16.62	3.05	7.20	0.36	
5300	3.14	261.36	5298.13	-17.48	-2.57	1.98	0.24	
5400	3.13	259.55	5397.98	-18.39	-7.96	-3.00	0.10	
5500	2.64	263.90	5497.85	-19.13	-12.94	-7.62	0.54	
5600	2.19	258.28	5597.76	-19.76	-17.10	-11.48	0.51	
5700	2.27	258.39	5697.69	-20.55	-20.91	-14.97	0.08	
5800	2.05	253.16	5797.61	-21.47	-24.56	-18.26	0.30	
5889	2.47	249.07	5886.55	-22.61	-27.88	-21.18	0.51	GYRO
Lateral: 1 Proposed Direction: 104.8 Dog Leg Severity per: 100 feet								
Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
5868	2.40	250.00	5865.60	-22.30	-27.00	-20.41	0.00	GYRO TIE
5920	20.00	100.80	5916.64	-24.36	-19.19	-12.33	42.49	
5930	24.40	100.50	5925.90	-25.06	-15.48	-8.56	44.01	
5940	28.40	98.70	5934.86	-25.80	-11.10	-4.14	40.79	
5950	32.00	96.60	5943.50	-26.46	-6.11	0.85	37.51	
5960	36.00	95.20	5951.79	-27.03	-0.55	6.37	40.76	
5970	40.20	94.20	5959.65	-27.54	5.60	12.45	42.45	
5980	44.30	93.80	5967.05	-28.00	12.31	19.05	41.09	
5990	48.50	93.80	5973.95	-28.48	19.53	26.16	42.00	
6000	52.80	94.50	5980.29	-29.05	27.24	33.76	43.34	
6015	59.20	96.30	5988.67	-30.22	39.61	46.02	43.81	
6038	66.70	100.80	5999.13	-33.29	59.84	66.36	36.96	MWD
6070	76.70	103.30	6009.16	-39.64	89.51	96.67	32.12	
6102	83.70	103.30	6014.61	-46.89	120.18	128.17	21.88	
6134	86.80	102.90	6017.26	-54.12	151.24	160.04	9.77	
6165	85.30	102.90	6019.39	-61.02	181.38	190.95	4.84	
6197	86.70	105.10	6021.63	-68.75	212.35	222.87	8.13	
6229	85.80	105.80	6023.72	-77.25	243.13	254.80	3.56	
6260	87.60	106.10	6025.50	-85.76	272.88	285.74	5.89	
6292	87.40	105.80	6026.90	-94.54	303.62	317.70	1.13	
6328	89.30	103.70	6027.94	-103.70	338.42	353.68	7.86	
6355	89.80	102.60	6028.15	-109.85	364.71	380.67	4.48	
6387	90.40	102.60	6028.09	-116.83	395.94	412.65	1.88	
6419	89.80	104.30	6028.04	-124.27	427.06	444.63	5.63	MWD
6450	90.80	104.30	6027.87	-131.93	457.10	475.63	3.23	
6482	88.60	103.30	6028.04	-139.56	488.17	507.63	7.55	
6514	86.10	103.70	6029.52	-147.02	519.25	539.58	7.91	
6545	85.90	104.30	6031.68	-154.50	549.26	570.50	2.04	
6577	87.50	103.30	6033.52	-162.12	580.28	602.44	5.89	
6607	88.50	102.60	6034.57	-168.84	609.50	632.41	4.07	
6639	88.20	102.20	6035.49	-175.71	640.74	664.37	1.56	
6671	87.80	101.20	6036.61	-182.19	672.06	696.30	3.36	
6703	88.30	100.50	6037.70	-188.21	703.46	728.20	2.69	
6734	89.30	100.50	6038.35	-193.86	733.94	759.11	3.23	MWD
6766	89.30	100.50	6038.74	-199.69	765.40	791.02	0.00	
6796	87.50	105.10	6039.58	-206.33	794.63	820.98	16.46	
6828	87.80	105.40	6040.89	-214.74	825.48	852.95	1.33	
6859	88.50	106.10	6041.89	-223.15	855.30	883.93	3.19	
6890	89.00	106.10	6042.57	-231.75	885.08	914.91	1.61	
6922	88.20	105.40	6043.35	-240.43	915.87	946.90	3.32	
6954	88.70	105.10	6044.21	-248.85	946.73	978.89	1.82	
6985	89.40	105.40	6044.73	-257.00	976.63	1009.88	2.46	
7017	87.10	105.40	6045.70	-265.49	1007.47	1041.86	7.19	
7049	84.60	106.10	6048.02	-274.15	1038.18	1073.77	8.11	

TEXACO

Denver Region

VGWU #126

Estimate: 695043

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SURVEY REPORT

Proprietary Information of Texaco Inc.



7081	84.90	105.80	6050.95	-282.91	1068.82	1105.63	1.32	
7112	87.70	103.70	6052.95	-290.78	1098.73	1136.56	11.28	
7143	87.40	102.60	6054.27	-297.83	1128.89	1167.52	3.67	MWD
7173	89.20	102.30	6055.16	-304.30	1158.17	1197.48	6.08	
7209	91.50	102.30	6054.94	-311.96	1193.34	1233.44	6.39	

Lateral: 2

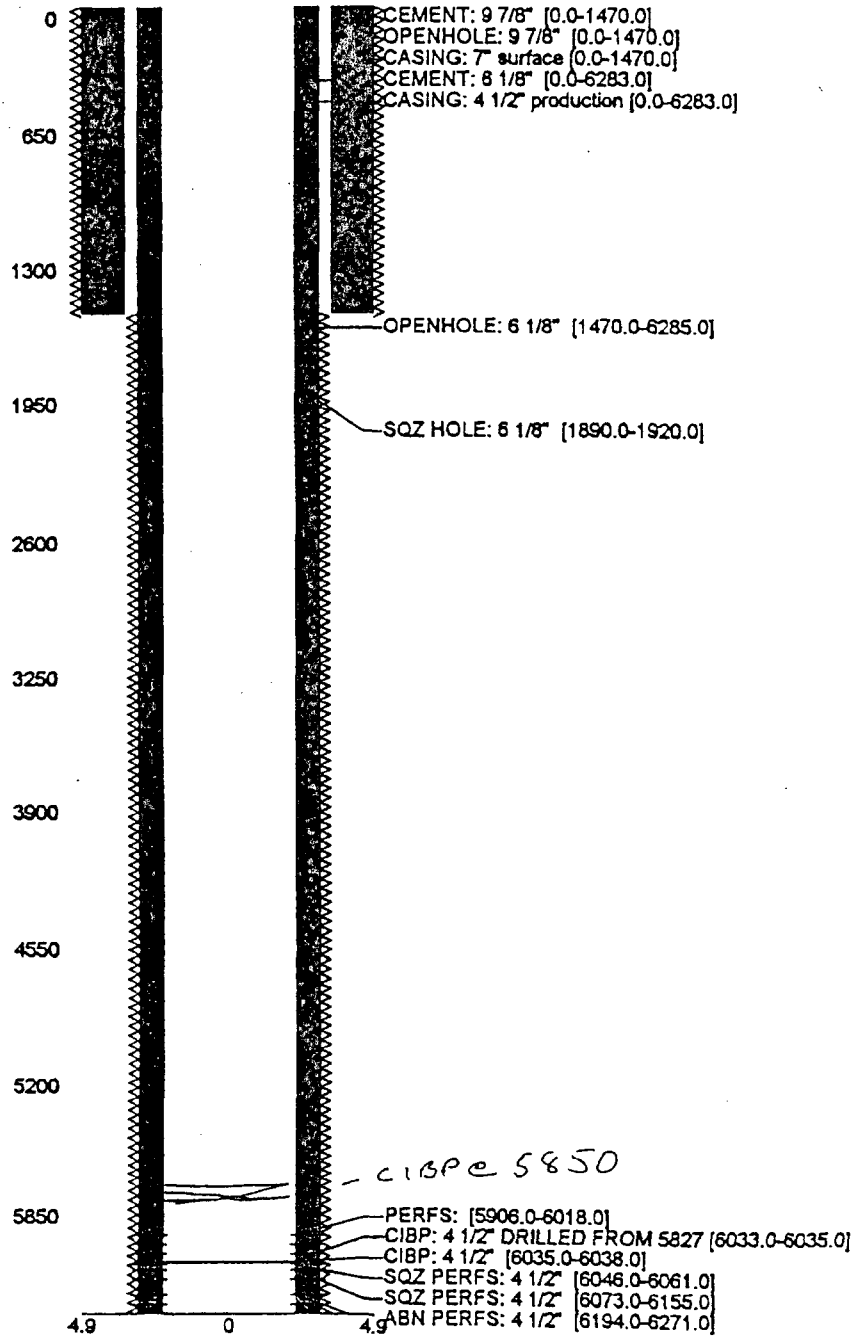
Proposed Direction: 246.4

Dog Leg Severity per: 100 feet

Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
5834	2.20	251.40	5831.60	-21.90	-25.80	32.41	0.00	MWD
5920	25.20	247.10	5914.59	-29.66	-44.48	52.63	26.75	
5930	28.80	243.60	5923.50	-31.56	-48.60	57.17	39.34	
5940	32.30	241.10	5932.11	-33.92	-53.10	62.24	37.23	
5950	36.20	239.40	5940.38	-36.71	-57.98	67.83	40.15	
5960	40.40	238.30	5948.22	-39.92	-63.28	73.97	42.55	
5970	44.20	238.60	5955.62	-43.44	-69.02	80.64	38.05	
5980	48.50	239.00	5962.52	-47.19	-75.21	87.81	43.10	
5990	52.10	239.00	5968.91	-51.15	-81.80	95.44	36.00	
6000	55.80	239.00	5974.79	-55.31	-88.73	103.45	37.00	
6034	67.10	238.30	5991.01	-70.84	-114.19	133.00	33.28	
6065	74.10	239.40	6001.31	-85.95	-139.20	161.97	22.83	
6096	80.20	240.40	6008.20	-101.09	-165.34	191.98	19.93	
6128	84.90	244.30	6012.35	-115.81	-193.43	223.62	19.02	
6160	88.10	247.40	6014.30	-128.87	-222.57	255.55	13.91	
6192	89.40	247.10	6015.00	-141.24	-252.07	287.54	4.17	
6224	92.20	247.80	6014.55	-153.51	-281.62	319.52	9.02	
6256	93.60	248.10	6012.93	-165.51	-311.24	351.47	4.47	
6287	91.70	247.80	6011.50	-177.13	-339.94	382.42	6.20	
6319	90.80	248.10	6010.80	-189.14	-369.59	414.40	2.96	
6351	90.90	248.80	6010.33	-200.89	-399.35	446.38	2.21	
6382	88.80	249.60	6010.41	-211.90	-428.33	477.34	7.25	
6414	89.90	250.60	6010.77	-222.79	-458.42	509.27	4.65	
6445	91.90	249.60	6010.28	-233.34	-487.56	540.20	7.21	
6477	92.40	249.60	6009.08	-244.49	-517.53	572.13	1.56	
6509	92.80	250.30	6007.63	-255.45	-547.56	604.03	2.52	
6541	93.00	250.90	6006.01	-266.06	-577.71	635.91	1.97	
6572	92.10	250.30	6004.63	-276.35	-606.92	666.79	3.49	
6603	92.10	250.30	6003.50	-286.79	-636.08	697.70	0.00	
6635	92.90	250.30	6002.10	-297.57	-666.18	729.60	2.50	
6666	92.10	249.20	6000.75	-308.29	-695.24	760.51	4.38	
6698	91.10	248.10	5999.86	-319.94	-725.03	792.47	4.64	
6730	91.40	247.10	5999.16	-332.13	-754.61	824.46	3.26	
6761	90.90	247.40	5998.54	-344.11	-783.19	855.45	1.88	
6792	89.30	247.80	5998.48	-355.92	-811.85	886.44	5.32	
6823	88.70	247.80	5999.02	-367.64	-840.55	917.43	1.94	
6855	88.00	248.10	5999.94	-379.64	-870.19	949.40	2.38	
6877	87.40	248.40	6000.83	-387.79	-890.61	971.37	3.05	
6916	87.40	248.40	6002.60	-402.13	-926.83	1010.31	0.00	MWD

VGLWU #127

Name: 127 ID: 3002521292 Type: Oil Date: 1/19/00



DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-21292
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	B-1113
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	127
9. Pool Name or Wildcat	VACUUM GLORIETA
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3976' GL

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT
(FORM C-101) FOR SUCH PROPOSALS.

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator
205 E. Bender, HOBBS, NM 88240

4. Well Location BHL: G, 6, 188, 35E, 1576' N, 2885' W
Unit Letter F : 1650 Feet From The NORTH Line and 1650 Feet From The WEST Line
Section 6 Township 18S Range 35E NMPM LEA COUNTY

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

TEMPORARILY ABANDON ☐

PULL OR ALTER CASING ☐

OTHER: ☐

PLUG AND ABANDON ☐

CHANGE PLANS ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒

COMMENCE DRILLING OPERATION ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

ALTERING CASING ☐

PLUG AND ABANDONMENT ☐

SPUD HORIZONTAL ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

9-08-00: MIRU. TAKE OFF COLLAR, INSTL SCREW ON FLANGE. NUBOP. PU TBG W/BIT & TAG CIBP @ 5814'.

9-09-00: TIH W/SANDLINE DRILL & TAG CIBP @ 5870'. UNABLE TO KNOCK CIBP OUT.

9-10-00: HIT CIBP. TOH & RECVR RUBBER & METAL. PU BIT, DC'S & TIH ON 2 3/8" TBG. TAG CIBP. TIH W/CMT RET & SET @ 5888'.

9-11-00: MIX & PUMP 150 SX CL H, FOLLOWED BY 100 SX CL H NEAT. SQZ PERFS W/42 BBLS CMT. REV 10 BBLS CMT TO TRUCK. TOH W/TBG.

9-15-00: MIRU KEY RIG #118. TIH W/188 JTS DP & MILLS. TAG CIBP @ 5887'. TIH W/WHIPSTOCK TO 5875'. TIH W/SDI GYRO FOR SURVEY. SET WHIPSTOCK W/85 DEG ORIENTATION ON BTM.

9-16-00: SET WHIP @ 85 DEG AZIMUTH. MILL FR 5878-79, 5881. DRILL FR 5885, 91, 5916, 6007-

40, 6134, 65, 97, 6228, 48, 60, 67, 91, 94, 6353, 66, 6447, 57, 6500, 11, 60, 6638, 44, 6791, 96, 5916, 7134.

9-20-00: TIH W/BOX TAP, BMPR SUB, JARS & DC'S. LATCH ONTO WHIP & JAR LOOSE. TIH W/RBP. SET @ 5783'. NDBOP. ND FLOWLINE. INSTL RENTAL BOP. RIG DOWN & RELEASE @ 2000 HRS ON 9/19/00.

9-22-00: UNLOAD TBG & HYDRIL. TALLY ALL PIPE. TIH W/2 3/8" TBG. TIH TO 5700'. RBP @ 5783'.

9-23-00: TOH & LD RBP. TIH W/SUBS & TBG. PKR SET @ 5775.67. TEST TO 1000 PSI-OK.

9-28-00: STIMULATE GLORIETA: 40,000 GALS WF 130 @ 15 BPM. FLSH W/3000 GALS WF 130. FLOW BACK AFTER STIMULATION.

9-29-00: MIRU WORKOVER RIG. KILL W/40 BBLS 10# BW. OPEN BYPASS. UNSET PKR. NDTREE. TIH W/KILL STRING TO 1900'.

9-30-00: TIH W/2 3/8" TBG, CHECK VALVE, PUMP, NDBOP. INSTL FLOW TREE & CONNECT TO FLOWLINE. TEST PUMP-OK. RIG DOWN & REL.

10-01/10-02-00: PUMPING AND TESTING

10-03-00: ON 24 HR OPT. PUMPED 464 BO, 89 BW, 248 MCF.

TOP OF WINDOW: 5878, BOTTOM OF WINDOW: 5882'

FINAL REPORT

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

SIGNATURE

J. Denise Leake

TITLE Engineering Assistant

DATE 11/17/00

TYPE OR PRINT NAME

J. Denise Leake

Telephone No. 397-0405

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

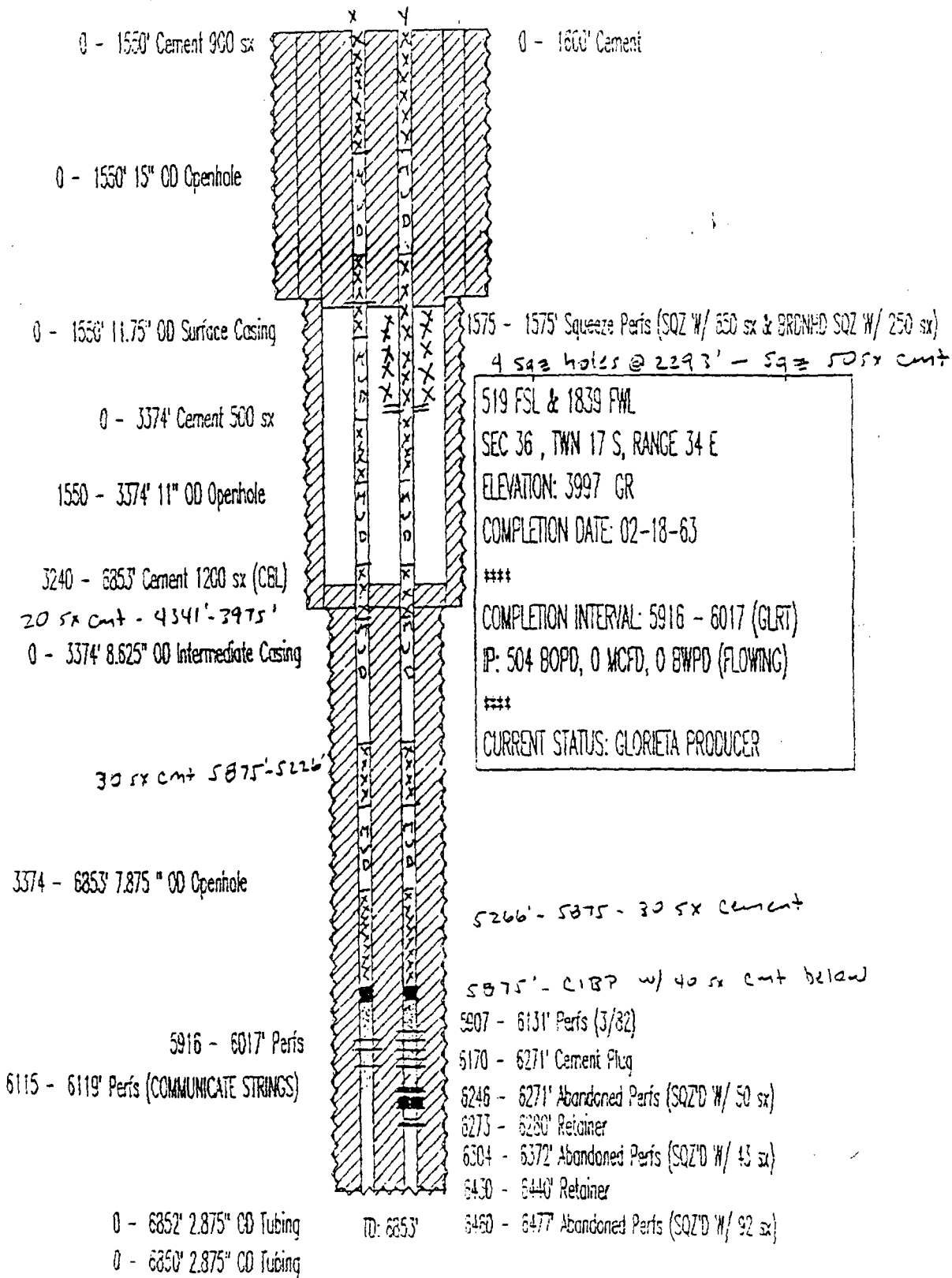
Form C-105
Revised 1-1-89

WELL API NO.	30-025-21292
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	B-1113

WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐			7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT		
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER HORIZONTAL ☐					
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.			8. Well No. 127		
3. Address of Operator 205 E. Bender, HOBBS, NM 88240			9. Pool Name or Wildcat VACUUM GLORIETA		
4. Well Location <i>BHL: 1546' N, 2885' W</i> Unit Letter <u>F</u> : <u>1650</u> Feet From The <u>NORTH</u> Line and <u>1650</u> Feet From The <u>WEST</u> Line Section <u>6</u> Township <u>18S</u> Range <u>35E</u> NMPM <u>LEA</u> COUNTY					
10. Date Spudded 9/8/00	11. Date T.D. Reached 9/19/00	12. Date Compl. (Ready to Prod.) 9/28/00	13. Elevations (DF & RKB, RT, GR, etc.) 3976' GL	14. Elev. Csghead	
15. Total Depth 7134'	16. Plug Back T.D.	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools Cable Tools		
19. Producing Interval(s), of this completion - Top, Bottom, Name 5878-5882' VACUUM GLORIETA			20. Was Directional Survey Made YES		
21. Type Electric and Other Logs Run NONE			22. Was Well Cored NO		
23. CASING RECORD (Report all Strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
			NO CHANGE		
24. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	PACKER SET
				2 3/8"	5768'
26. Perforation record (interval, size, and number) 5878-5882'			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 5878-5882' 20000 gals hcl acid & 23000 gals wf 130		
28. PRODUCTION					
Date First Production 10/1/00	Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING 15.48 FT X 3.00" OD				Well Status (Prod. or Shut-in) PROD
Date of Test 10-03-00	Hours tested 24 HRS	Choke Size	Prod'n For Test Period	Oil - Bbl. 464	Gas - MCF 248
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl. 89
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD				Test Witnessed By	
30. List Attachments SURVEY					
31. I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.					
SIGNATURE <i>J. Denise Leake</i>		TITLE Engineering Assistant		DATE 11/17/00	
TYPE OR PRINT NAME J. Denise Leake				Telephone No. 397-0405	

TEXACO
 NM O STATE NCT-1 NO. 13
 API# 30025200460000
 P + A 5/29/98

Vacuum Glorieta West Unit
 No. 130



VGWU #133

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-32338
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lea	548570

WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐				7. Lease Name or Unit Agreement Name NEW MEXICO O STATE NCT-1	
b. Type of Completion: NEW WELL ☐ WORKOVER ☒ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER ☐ DHC-1315					
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.				8. Well No. 35	
3. Address of Operator 205 E. Bender, HOBBS, NM 88240				9. Pool Name or Wildcat DHC - 1315 VACUUM BLINEBRY/VACUUM DRINKARD	
4. Well Location Unit Letter O : 355 Feet From The SOUTH Line and 1875 Feet From The EAST Line Section 36 Township 17S Range 34E NMPM LEA COUNTY					
10. Date Spudded 2/28/94	11. Date T.D. Reached 3/13/94	12. Date Compl. (Ready to Prod.) 10/1/96	13. Elevations (DF & RKB, RT, GR, etc.) 3991' GL, KB-4005'	14. Elev. Csghead 3991'	
15. Total Depth 8100'	16. Plug Back T.D. 7980'	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools 0-8100'	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 6404'-7124' VAC BLINEBRY; 7486'-7751' VAC DRINKARD					20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run GR-DLL-MSFL, GR-SONIC, GR-SDL-DSN-CSNG, GR-CCL					22. Was Well Cored NO

23. CASING RECORD (Report all Strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
5/8"	24#	1460'	11"	650 SX, CIR 148 SX	
5 1/2"	15.5 & 17#	8100'	7 7/8"	2025 SX, CIR 289 SX	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 7/8"	7791'

26. Perforation record (interval, size, and number) 6404'-7124' (VACUUM BLINEBRY) 7486'-7751' (VACUUM DRINKARD)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	6404'-7124'	ACID: 4000 GALS 15% HCL
	6404'-7124'	FRAC: 24000 G 50 QUAL CO2 FOAM HCL & 42200 G 50 QUAL CO2 FOAM WF-140

28. PRODUCTION							
Date First Production 10/1/96		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING 2 1/2" X 1 3/4" X 24"				Well Status (Prod. or Shut-in) PROD.	
Date of Test 10/15/96	Hours tested 24 HOURS	Choke Size OPEN	Prod'n For Test Period	Oil - Bbl. 1	Gas - MCF 11	Water - Bbl. 282	Gas - Oil Ratio 11,000
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.) 39.4	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD						Test Witnessed By MINCHEW	

30. List Attachment

1. I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.			
SIGNATURE	<i>Monte C. Duncan</i>	TITLE	Engr Asst
TYPE OR PRINT NAME		Monte C. Duncan	DATE
			12/2/96
		Telephone No.	397-0418

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

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

WELL API NO.	30-025-32338
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	133
9. Pool Name or Wildcat	VACUUM GLORIETA
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

SUNDRY NOTICES AND REPORTS ON WELL
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator 205 E. Bender, HOBBS, NM 88240

4. Well Location
Unit Letter O Feet From The SOUTH Line and 1875 Feet From The EAST Line
Section 36 Township 17S Range 34E NMPM LEA COUNTY

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: Recomplete to Vacuum Glorieta ☒

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1-28-99: MIRU. NDWH. NUBOP. TIH W/BIT & CSG SCRAPER. PU TBG & RAN BIT TO 7411'.
1-29-99: TIH W/CIBP & SET @ 7350'. TIH W/BAILER & CAP W/35' CMT. TIH W/LOG TOOLS. RAN GR/CCL FR 6500-5000'.
2-01-99: TIH W/2ND CIBP & SET @ 6350'. TIH W/TBG OPEN ENDED TO 6308'. MIRU PUMP TRUCK. CIRC W/140 BBLs 2% KCL WATER. TEST CIBP & CSG TO 500 PSI. CHART FOR 30 MIN FOR NMOC-OK. RIG DOWN PUMP TRUCK. TIH W/PERF GUN & PERF CSG IN GLORIETA W/2 JSPF @ 120 DEG PHASING FR 6020-28, 6034-40, 6042-50, 5990-6020, 5951-82' - IN 3 RUNS.
2-02-99: TIH W/PERF GUN & PERF 5920-51' W/2 JSPF @ 120 DEG PHASING. TOTAL INTERVAL 5920-6050'. TIH W/BAILER & CAP CIBP @ 6350' W/35' CMT. NEW PBTD @ 6315'. TIH W/PKR, SN, & TBG TO 5852'. SET PKR. RIG UP PUMP TRUCK & PSI CSG TO 700 PSI-OK.
2-03-99: ACIDIZE GLORIETA PERFS 5920-6050' W/5880 GALS 15% NEFE HCL ACID. RIG UP SWAB. FL @ 500' FR SURF. END FL @ 3000'.
2-04-99: SWAB. FL @ 2500'. END FL @ 3000'. REL PKR. TIH W/OPMA, PERF SUB, SN, TBG, TAC. SET @ 14' KB. OPMA @ 6212'. S @ 6176'. TAC @ 5854'. NDOBOP. SET TAC. NUWH.
2-05-99: TIH W/GAS ANCHOR, PUMP, K-BARS, RODS. SPACE WELL OUT. LOAD & TEST TO 500 PSI-OK. RIG DOWN.
3-07-99: ON 24 HR OPT. PUMPED 148 BO, 395, BW, & 26 MCF. GOR-175. API GRAV-38.6@60.
PERFS: 5920-6050' VACUUM GLORIETA
FINAL REPORT

(FORMERLY CALLED THE NEW MEXICO O STATE NCT-1 #35) C-104 FILED REQUESTING NAME CHANGE

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 3/15/99

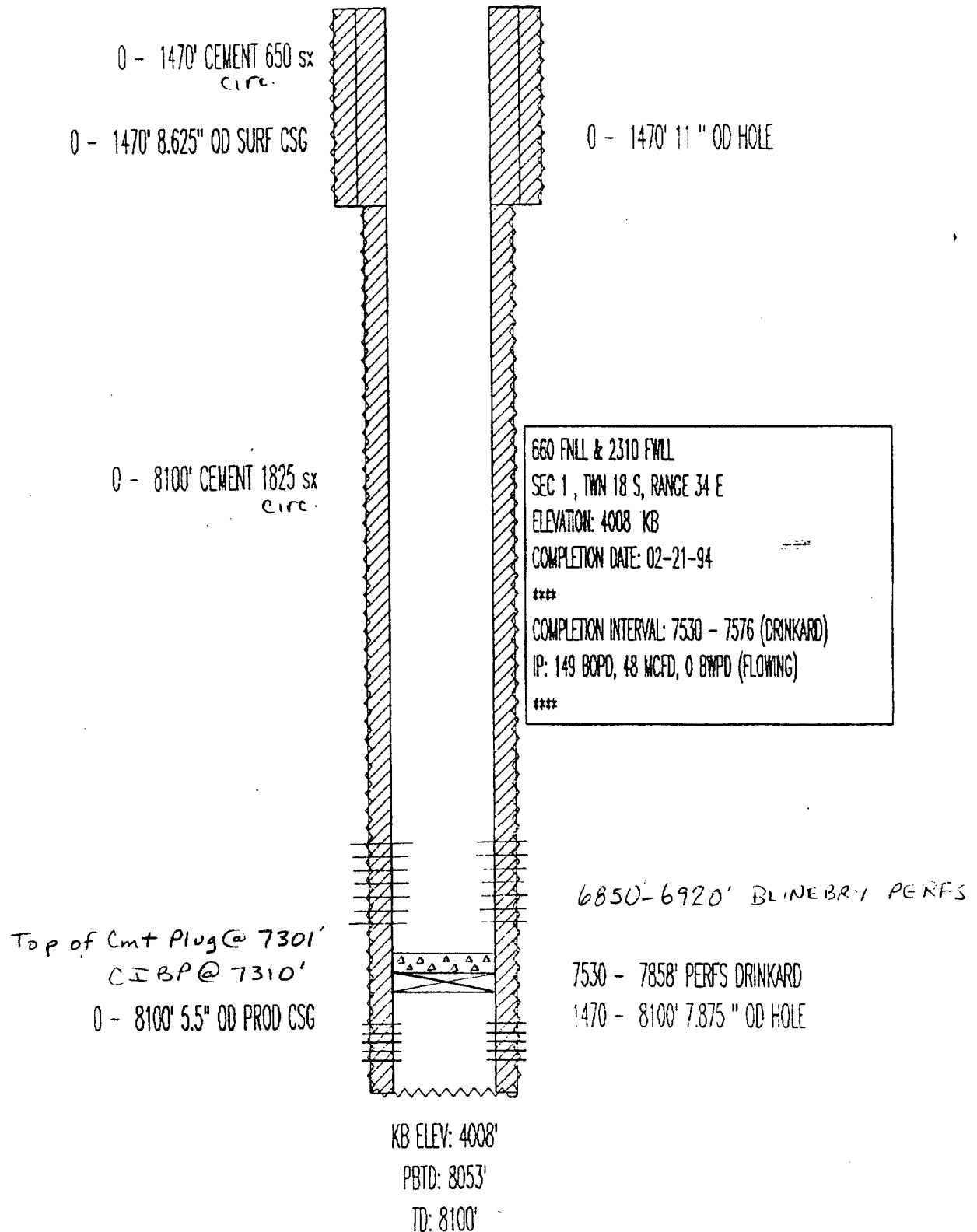
TYPE OR PRINT NAME J. Denise Leake Telephone No. 397-0405

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

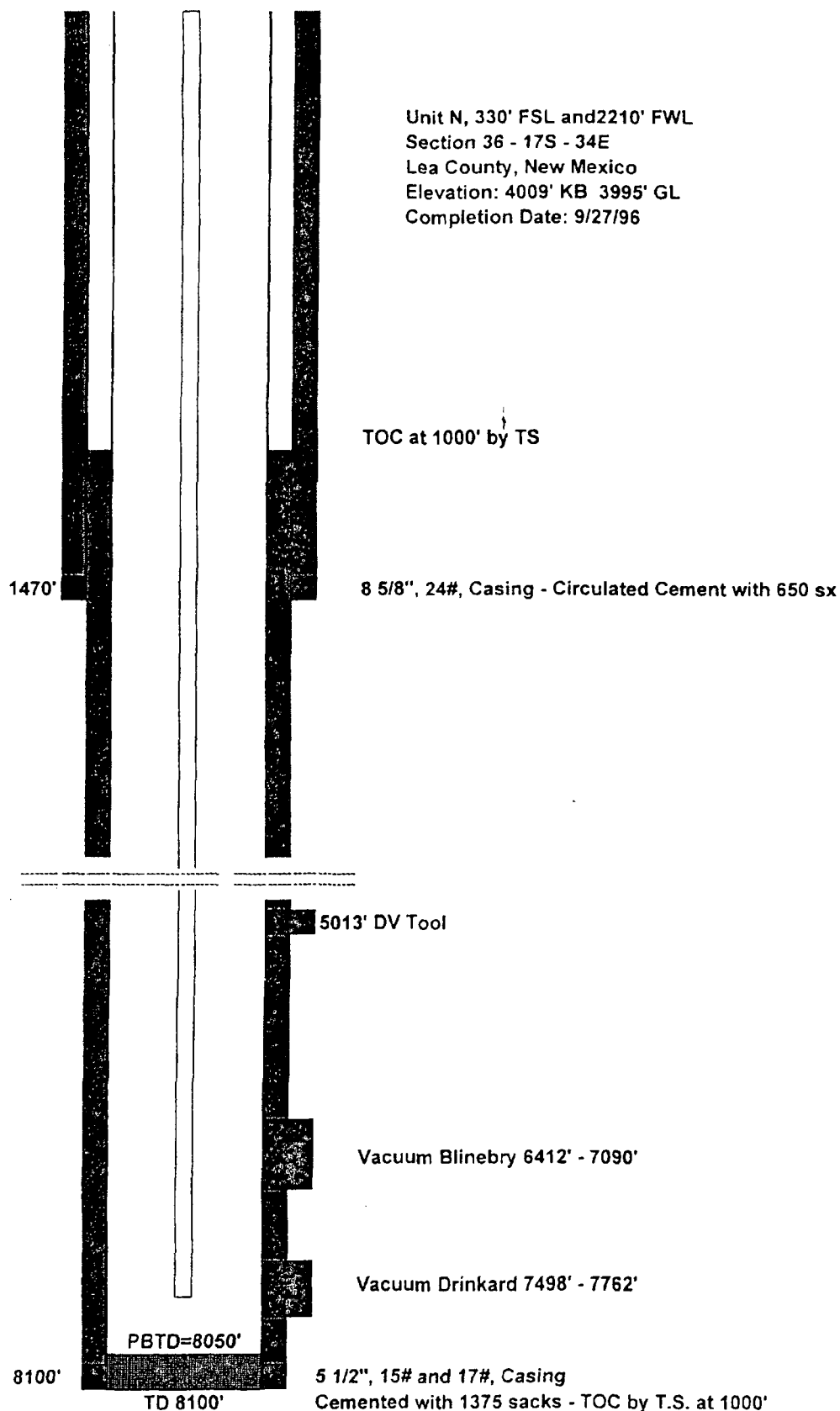
CONDITIONS OF APPROVAL, IF ANY:

TEXACO EXPL & PROD
NEW MEXICO "M" STATE NO. 9
API# 3002532016

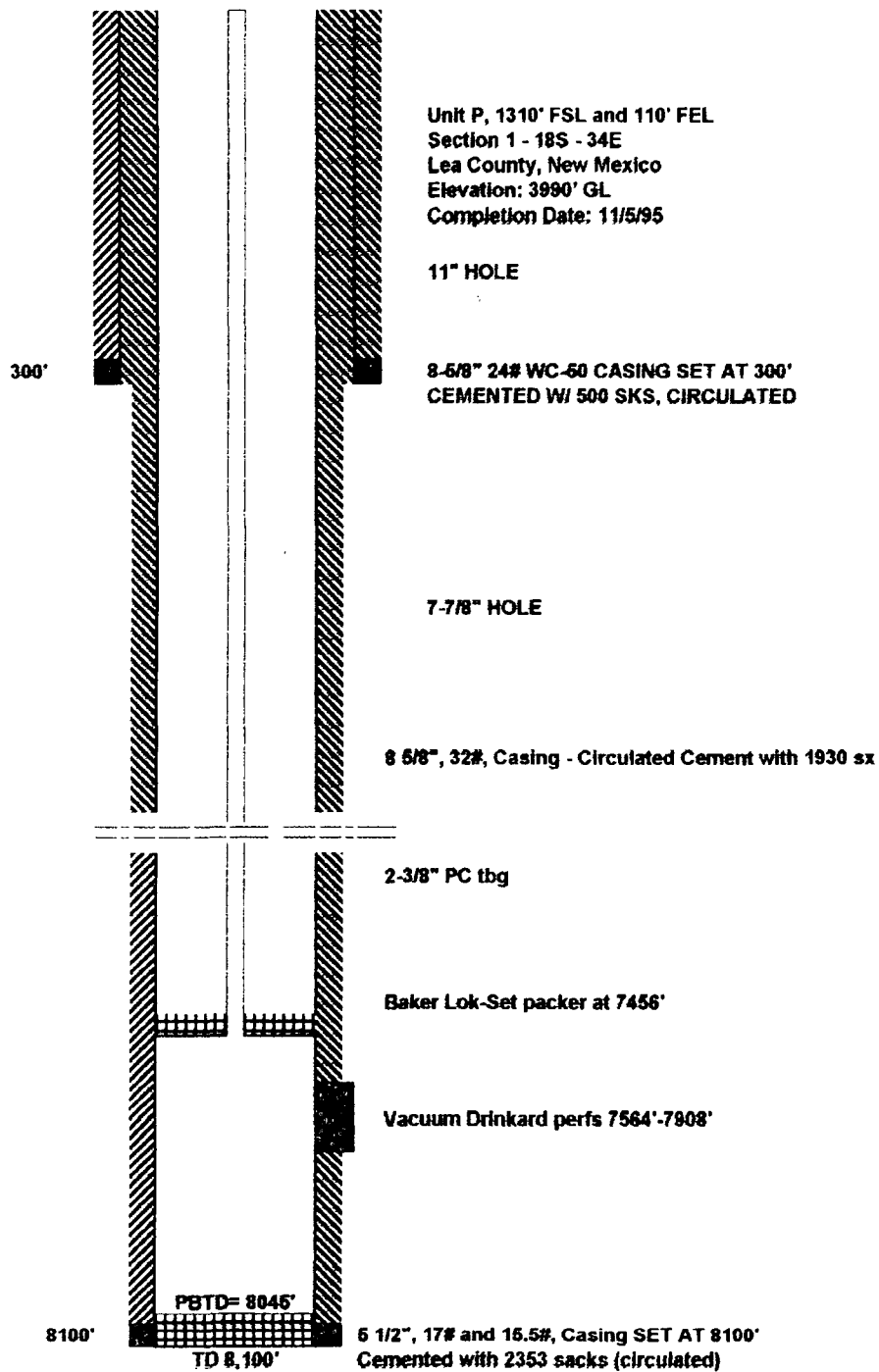


Texaco, Inc.
New Mexico O NCT-1 #36
API #3002532339

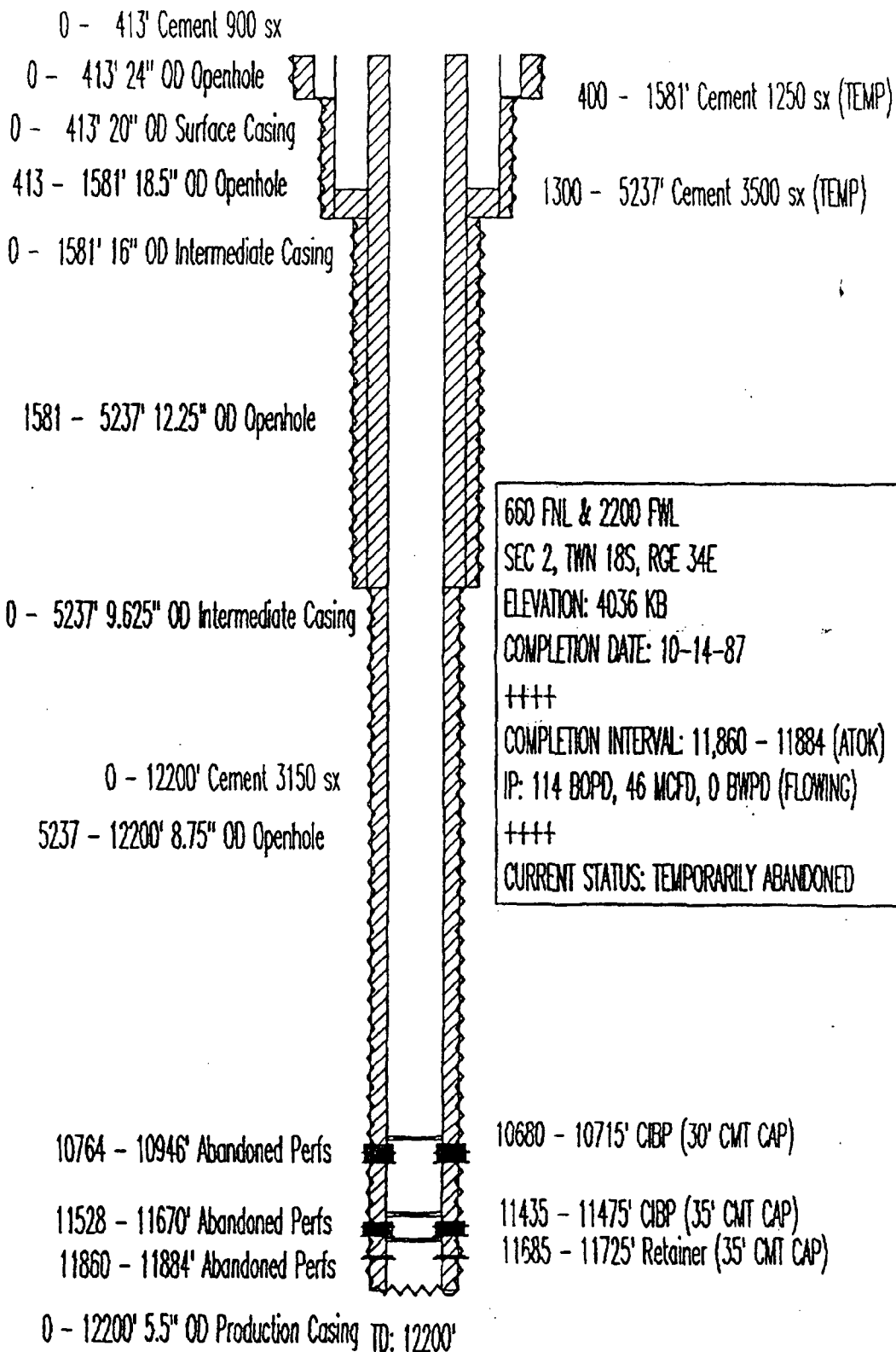
Unit N, 330' FSL and 2210' FWL
Section 36 - 17S - 34E
Lea County, New Mexico
Elevation: 4009' KB 3995' GL
Completion Date: 9/27/96



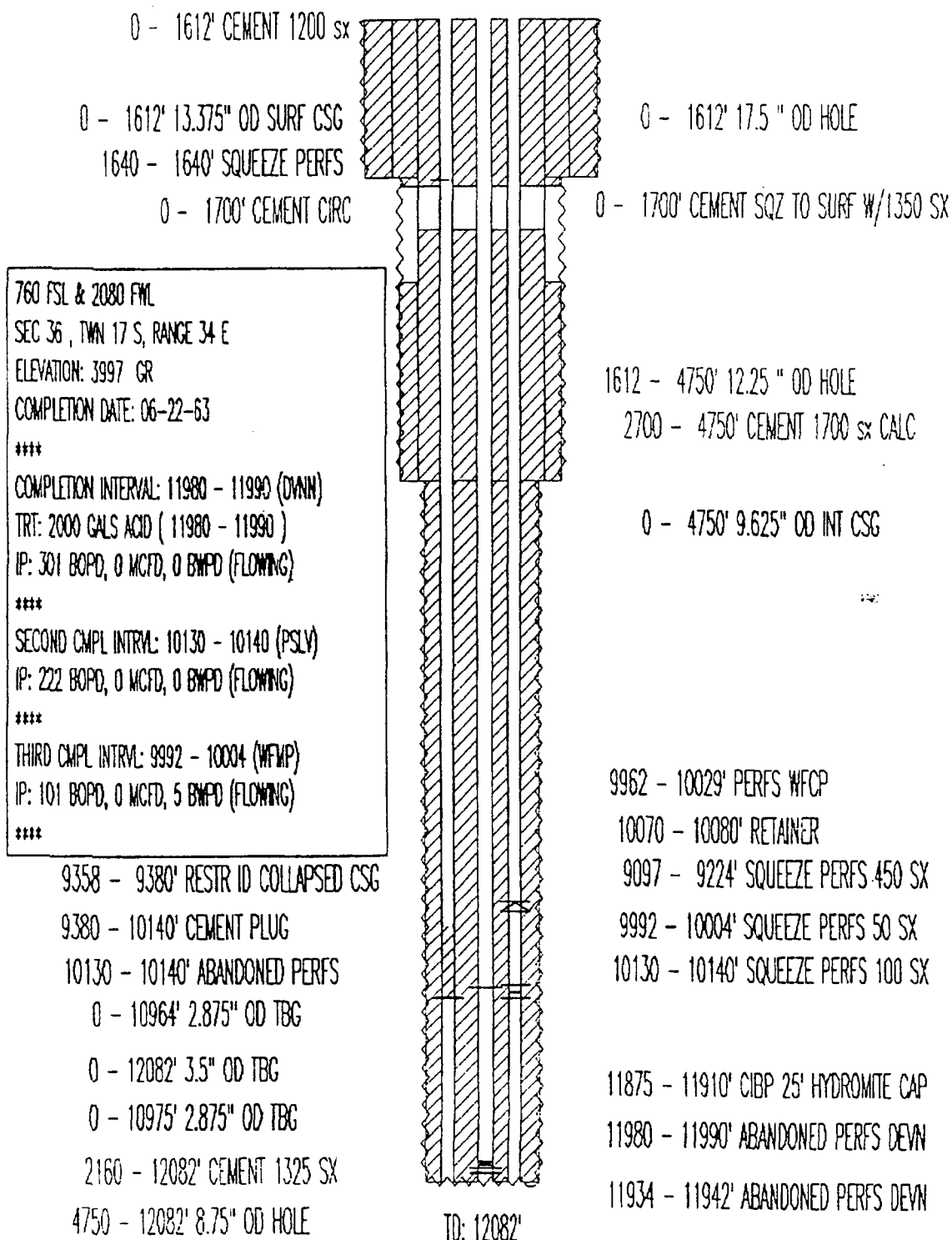
Texaco, Inc.
New Mexico R NCT-3 #28
API #3002532005



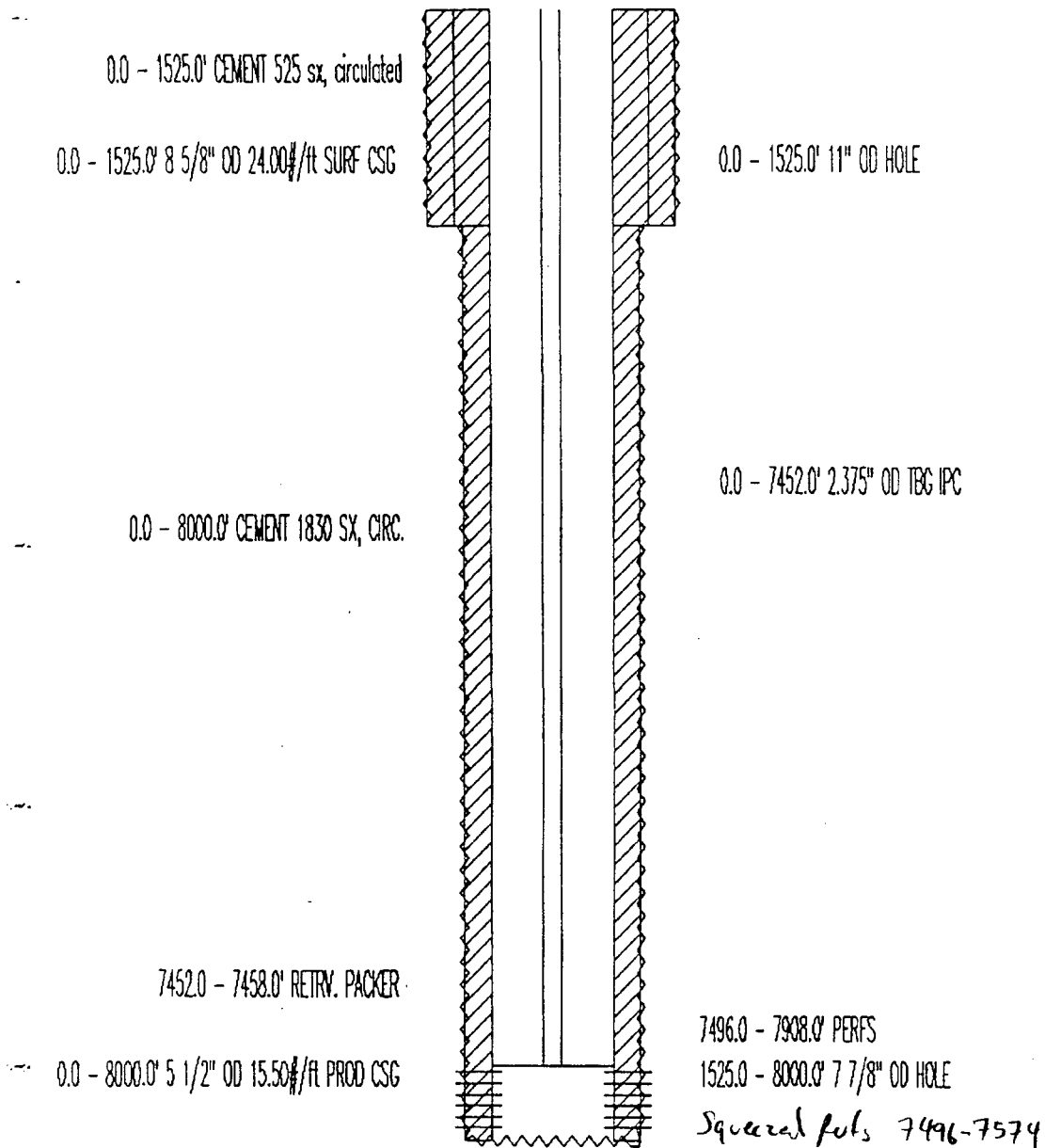
TEXACO
NM Z STATE TN COM NO. 1
30025299880000



TEXACO E & P INC.
N.M. "O" ST. NCT-1 NO. 17
API# 3002520125



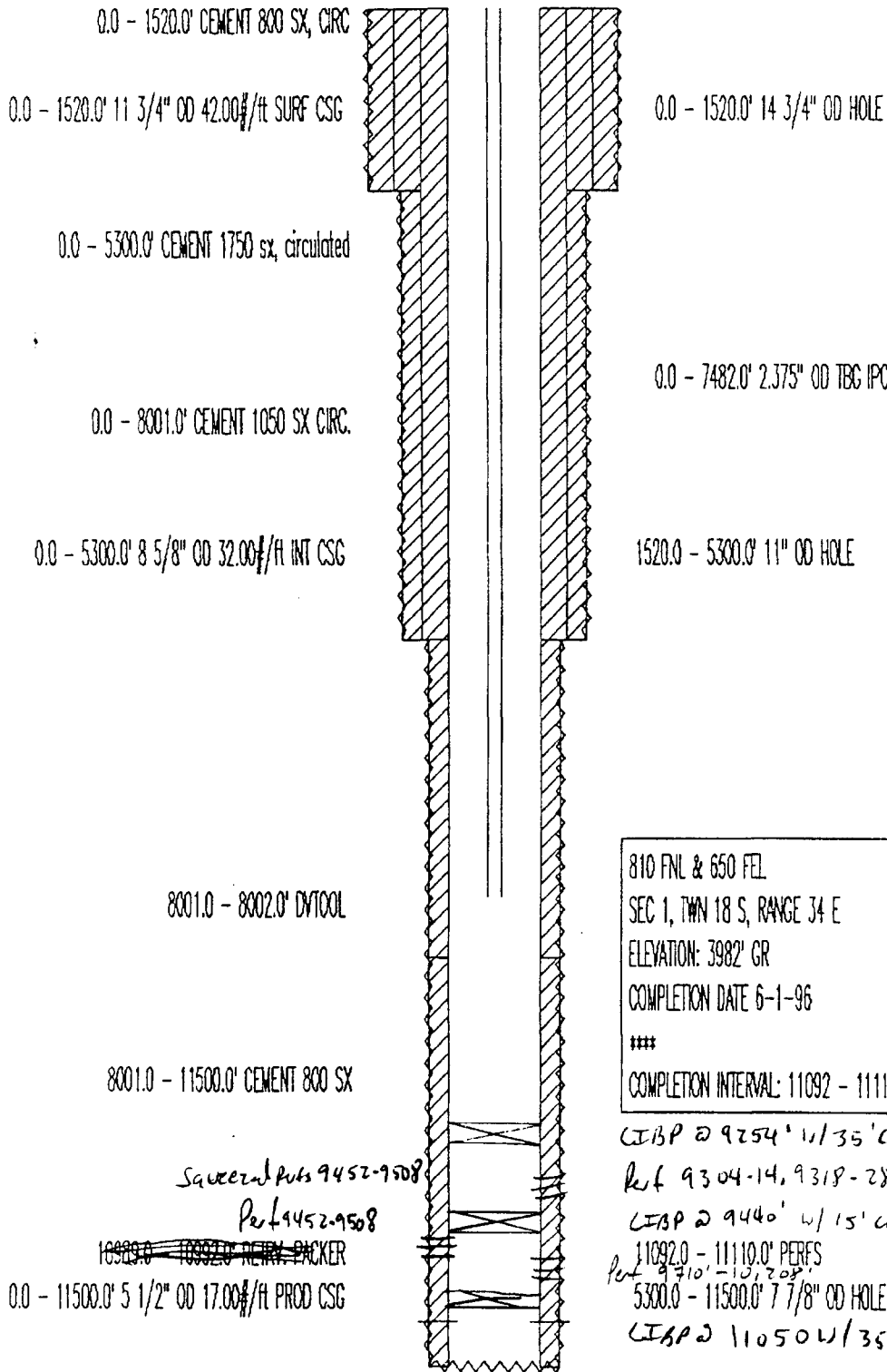
TEXACO E&P INC.
NM "L" NO. 16
API# 30 025 32871



1310 FNL & 10 FEL
SEC 1, TWN 18 S, RANGE 34 E
ELEVATION: 3984' GR
COMPLETION DATE 3-31-95

COMPLETION INTERVAL: 7496 - 7908 (DRINKARD)

TEXACO E&P INC.
NM "L" NO. 18
API# 30 025 33301



TEXACO
NEW MEXICO R STATE NO. 24
API# 30025299250000

"CURRENT WELLBORE DIAGRAM"

0 - 407' Cement 1000 sx
0 - 407' 30" OD Openhole
0 - 407' 26" OD Surface Casing
407 - 1565' 24" OD Openhole
0 - 1565' Cement 2150 sx
0 - 1565' 20" OD Intermediate Casing
1565 - 2744' 17.5" OD Openhole

2744 - 5000' 12.25" OD Openhole
0 - 5000' Cement 3700 sx
0 - 5000' 9.625" OD Intermediate Casing

0 - 11100' Cement 2050 sx
5000 - 11100' 8.75" OD Openhole

0 - 11100' 7.0" OD Intermediate Casing
10779 - 11676' Cement 175 sx
10779 - 11676' 5" OD Liner
11100 - 11994' 6.125" OD Openhole

TD: 11994'

860 FSL & 660 FEL
SEC 1, TWN 18 S, RANGE 34 E
ELEVATION: 4011 KB
COMPLETION DATE: 11-04-91

DRY HOLE

Pumping Drilled Well

CURRENT STATUS: ~~TEMPORARILY ABANDONED~~

Ref 7752-62 w/ 8 sep

Pub 2 sep 7638-60, 7669-83, 7700-14, 7724-48, +

CIBP @ 8000'

7754-62

7802-7900

10115 - 10150' CIBP (35' CMT CAP)

10192 - 10263' Abandoned Perfs

11060 - 11100' CIBP (40' CMT CAP)

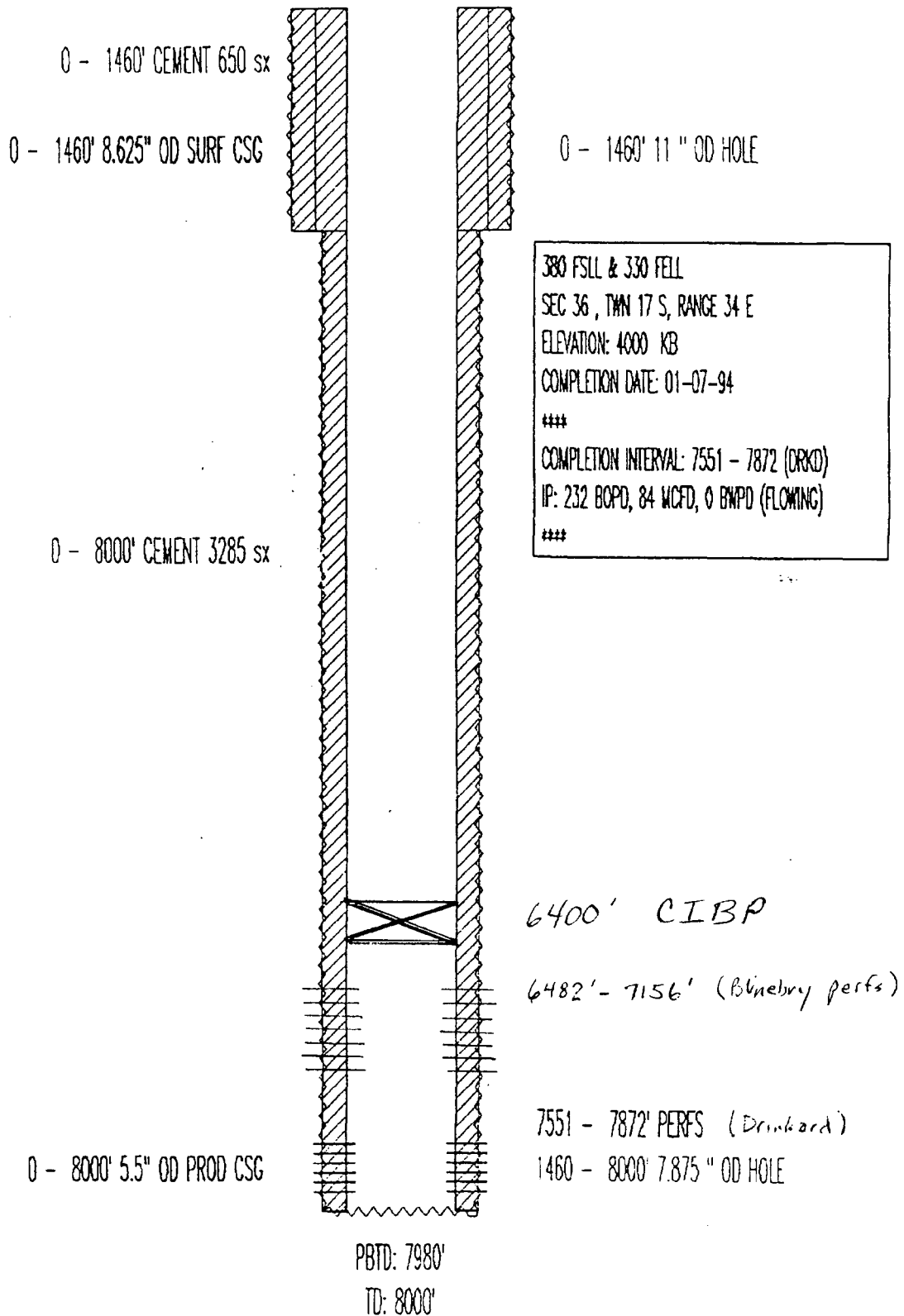
11192 - 11238' Abandoned Perfs

11610 - 11660' CIBP (40' CMT CAP)

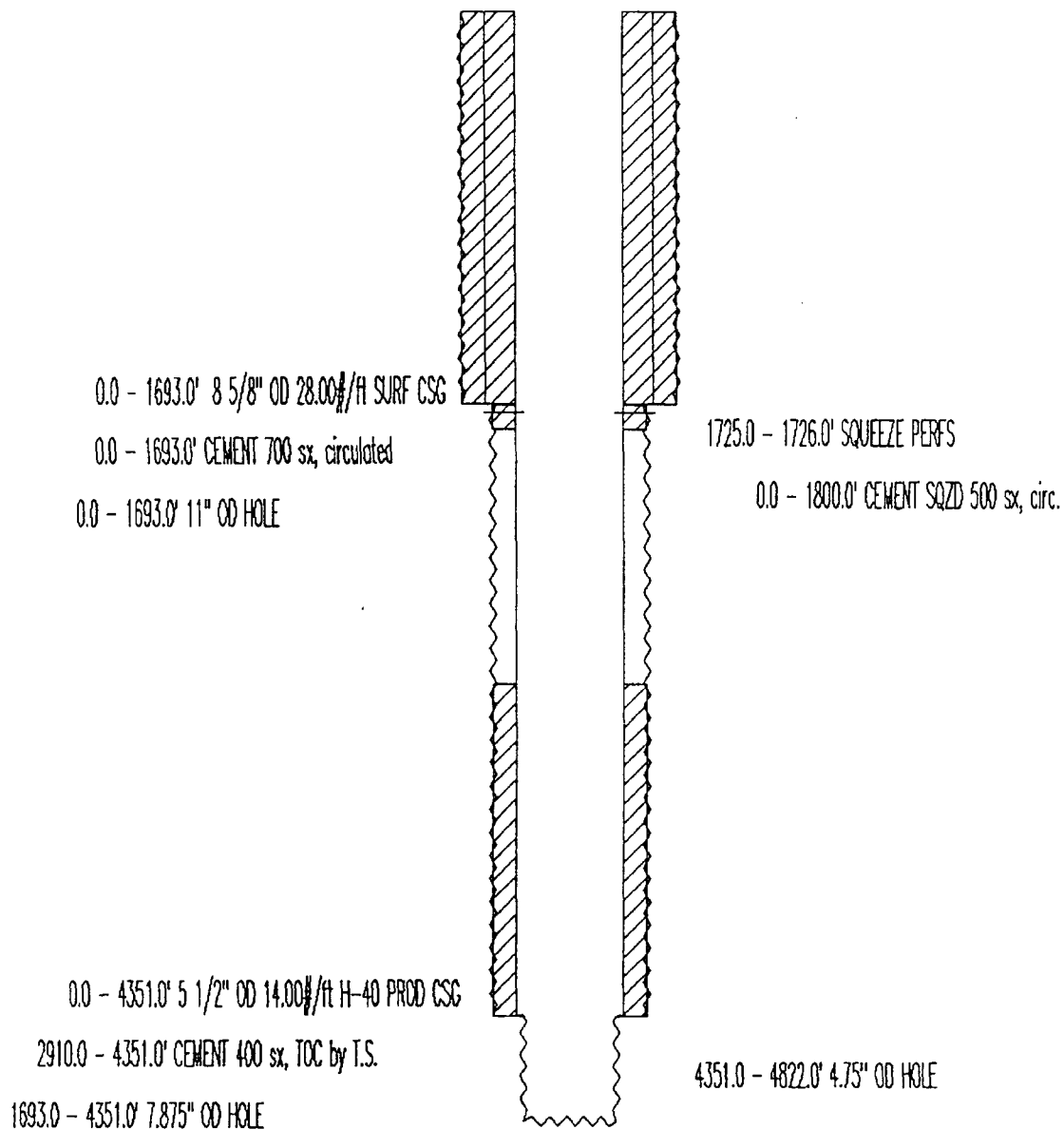
11812 - 11994' Cement Plug

DRINKARD-BLINEBRY
SHUT-IN

TEXACO EXPL & PROD
NEW MEXICO "O" STATE NO. 34
API# 3002532271



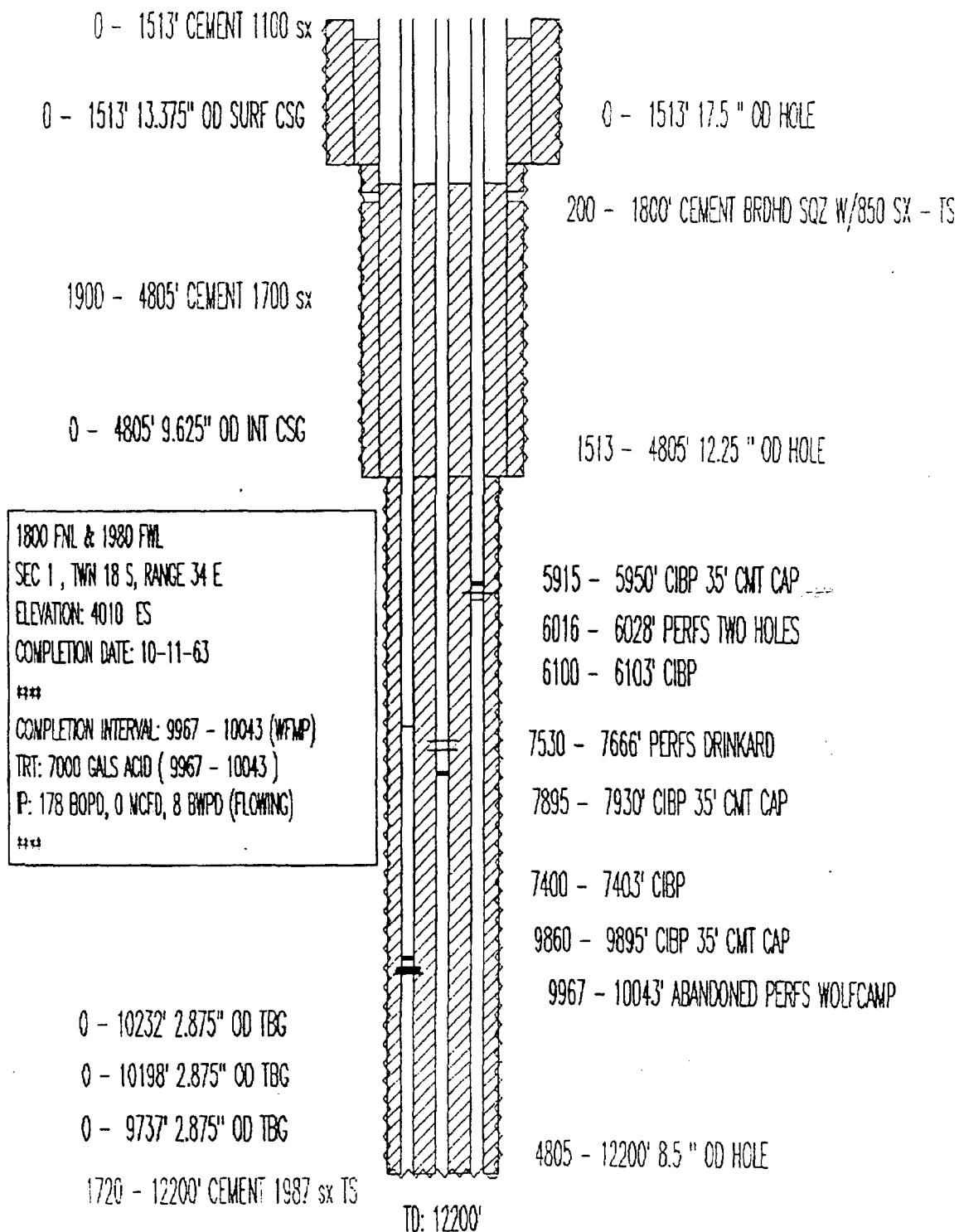
TEXACO E&P INC
WEST VACUUM UNIT No. 50
API# 30 025 02280



2310 FSL & 410 FEL
SEC 3, TWN 18 S, RANGE 34 E
ELEVATION: 4025' GL
COMPLETION DATE: 2-13-52
COMPLETION INTERVAL: 4351 - 4822 (GBSA)
Former Gulf Oil - Lea State "V" No. 1

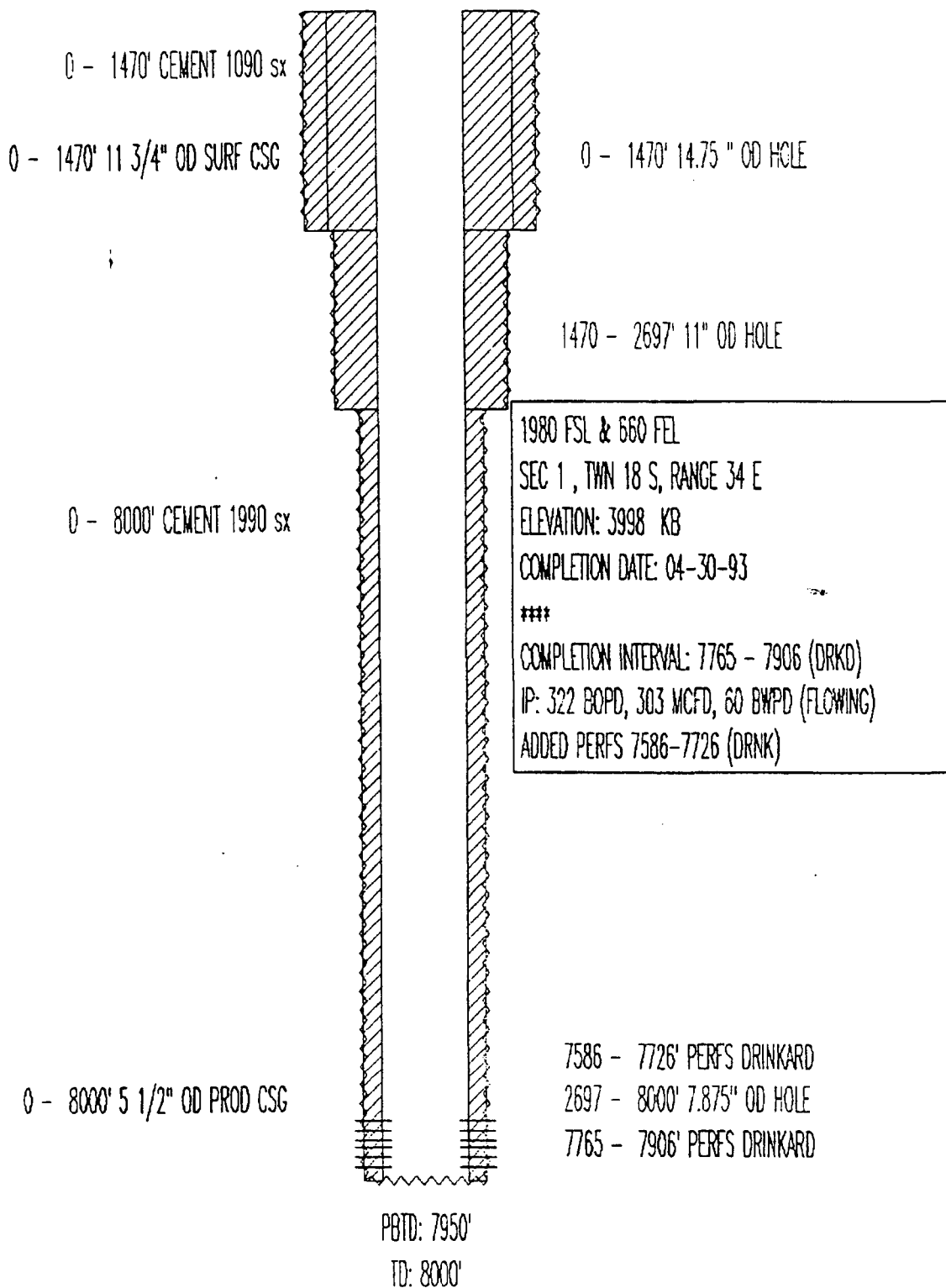
PRODUCING
DRINKARD

TEXACO INC
NEW MEXICO "M" ST. NO. 7
API# 3002520494



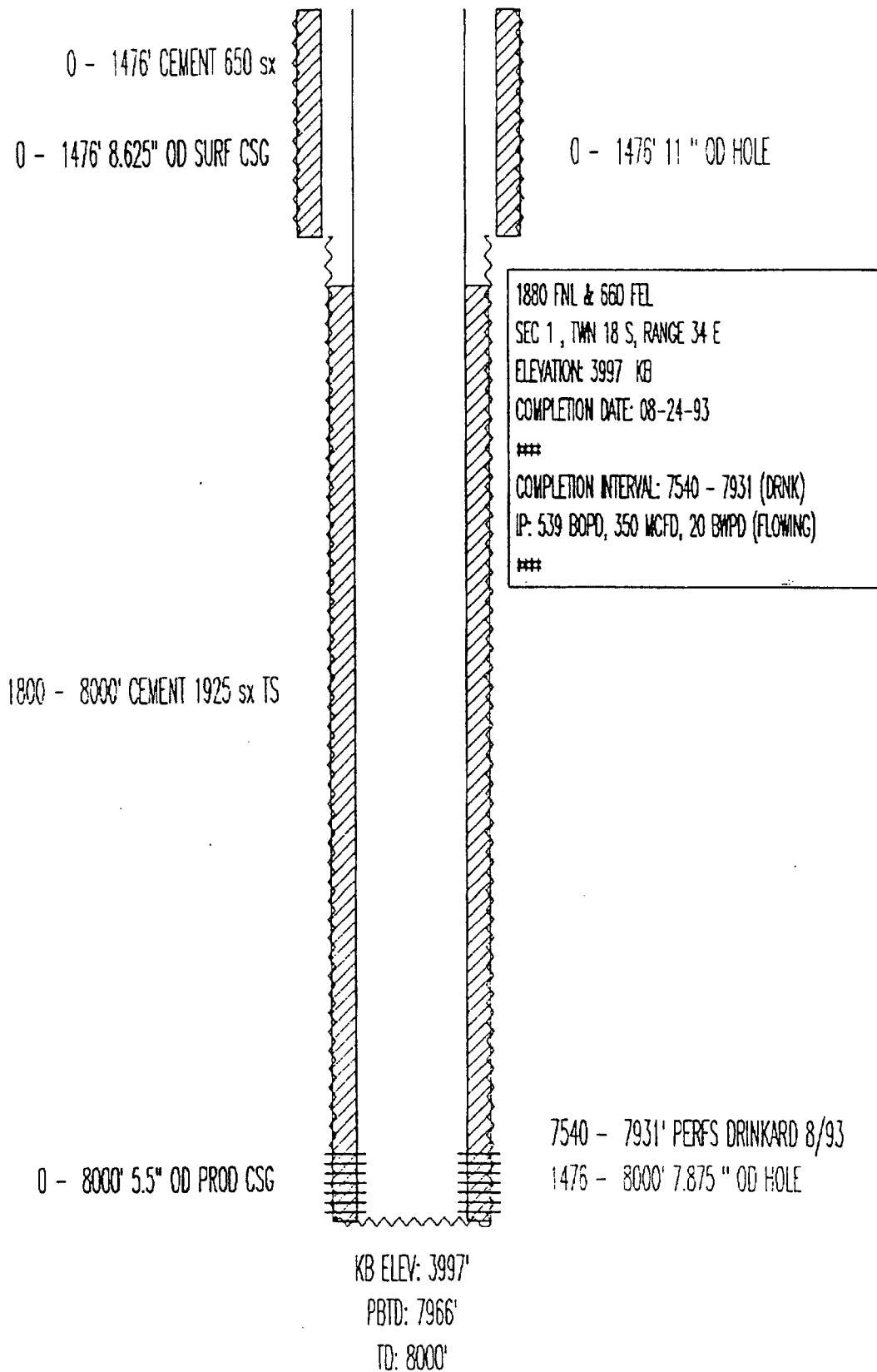
PRODUCING
DRINKARD

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NEW MEXICO "R" ST. NCT-3 NO. 25
API# 3002531930



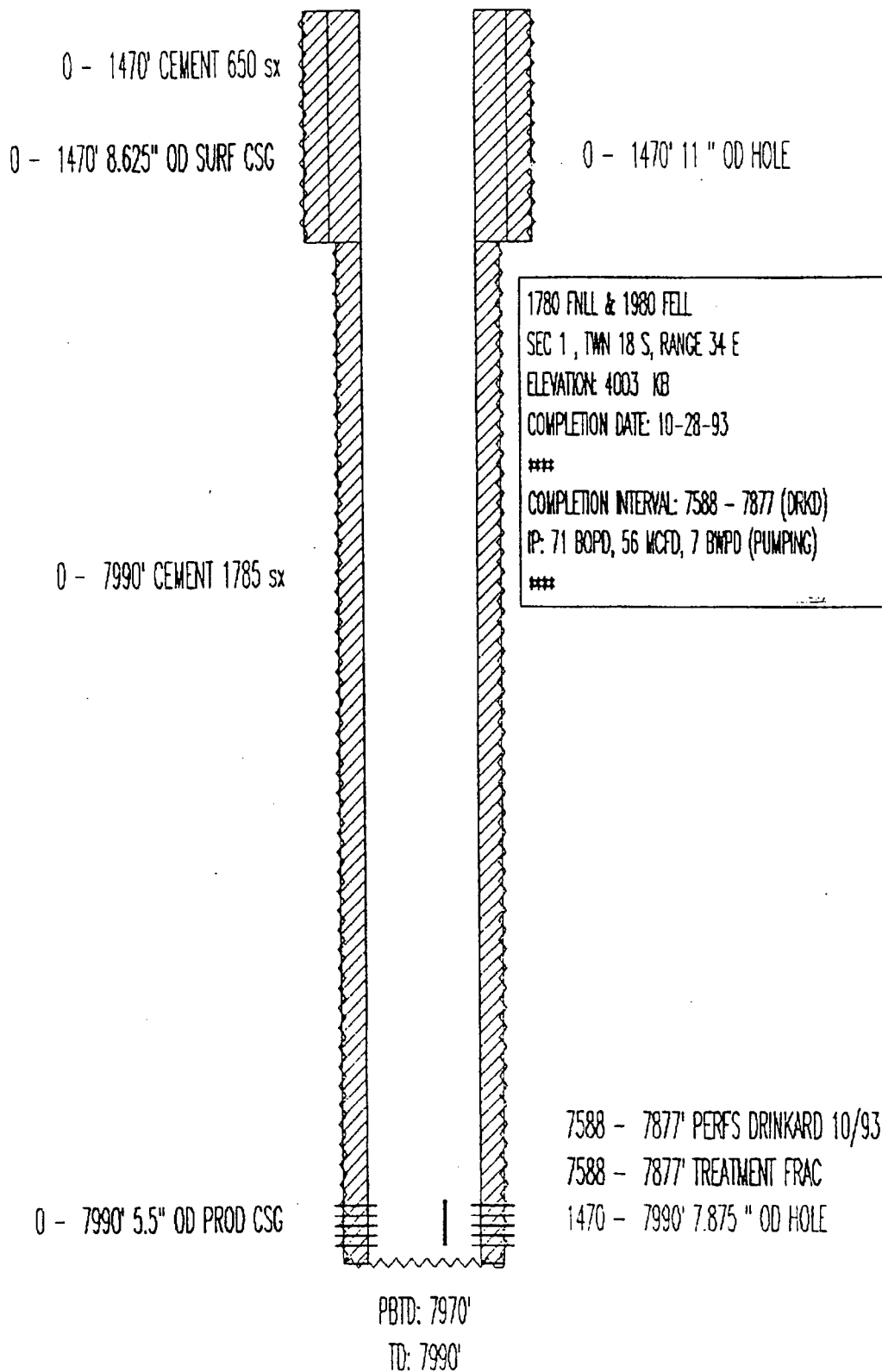
PRODUCING
DRINKARD

TEXACO EXPL & PROD
NEW MEXICO "L" STATE NO. 12
API# 3002531992



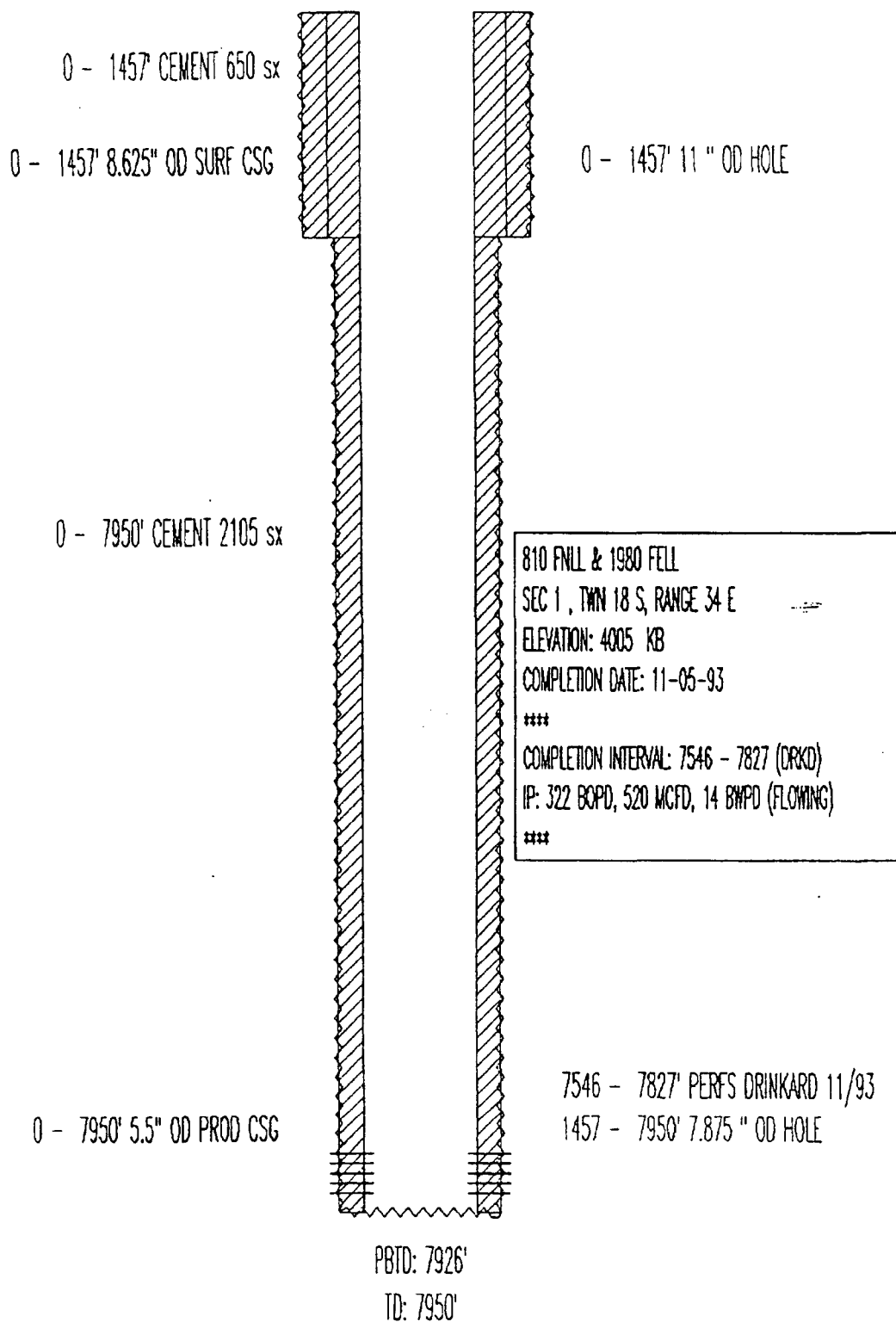
PRODUCING
DRINKARD

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API# 3002532007

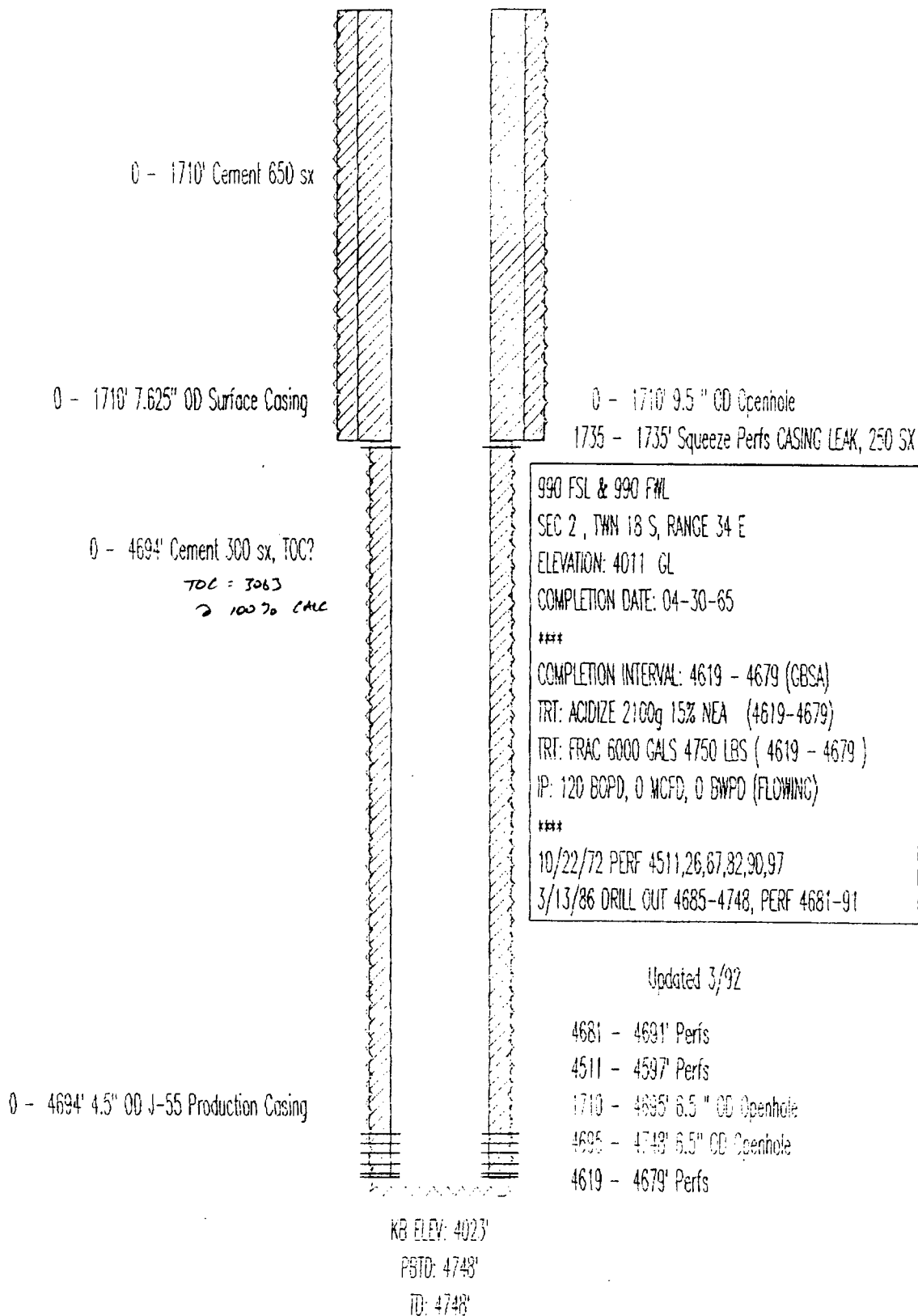


PRODUCING
DRINKARD

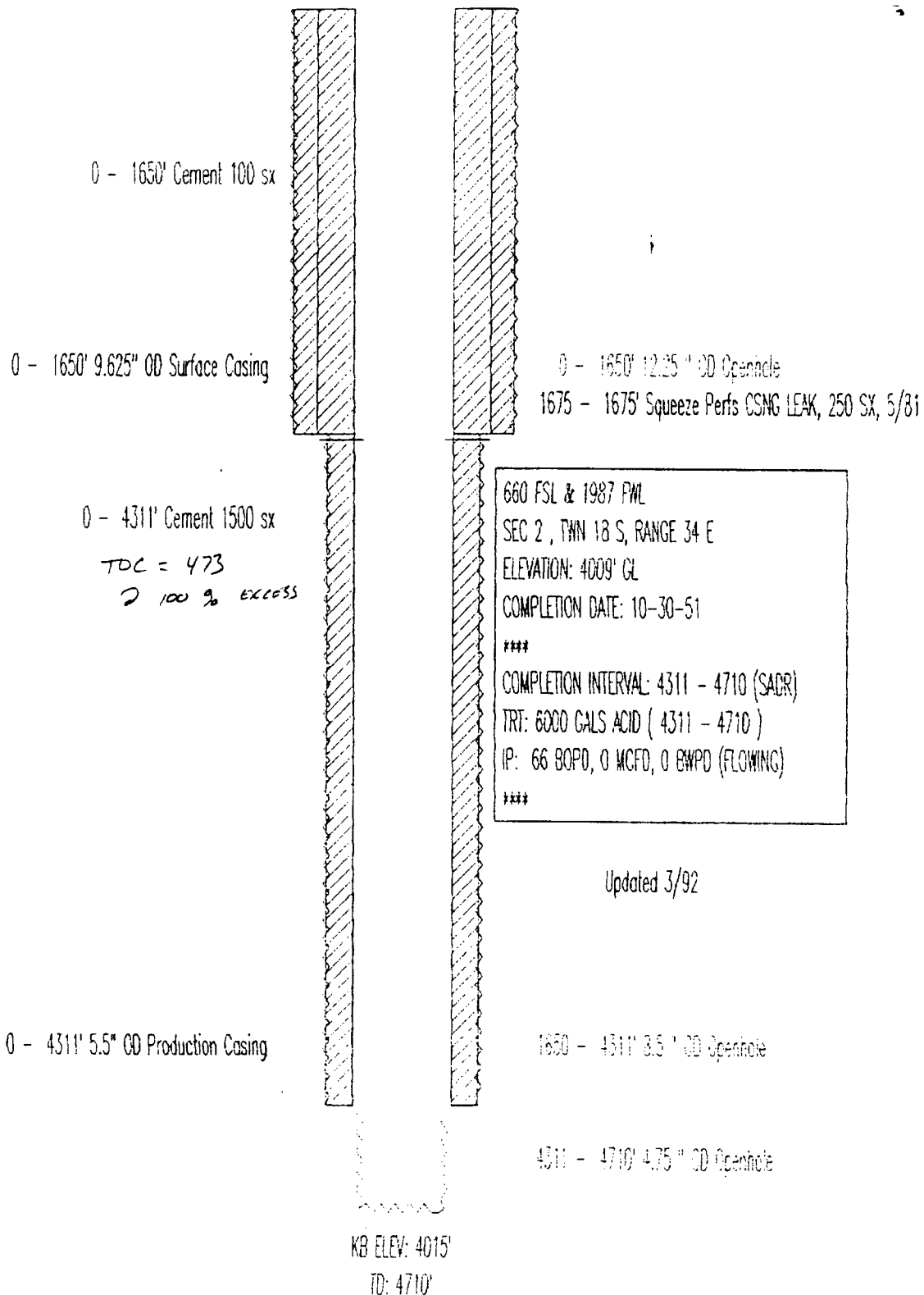
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NEW MEXICO "L" STATE NO. 14
API# 3002532008



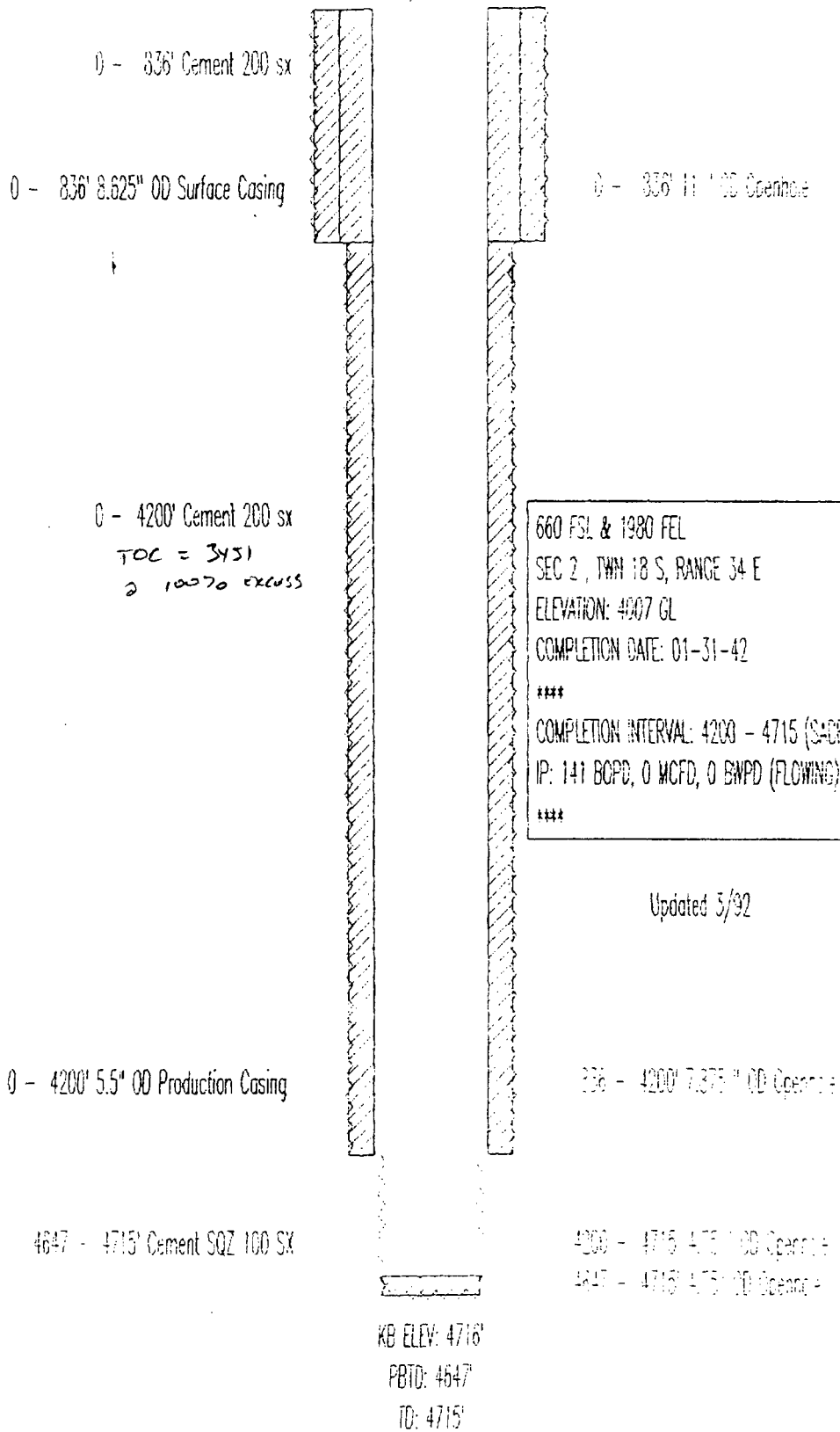
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VACUUM GRBG-SADR UN NO. 6
API# 30025214200000



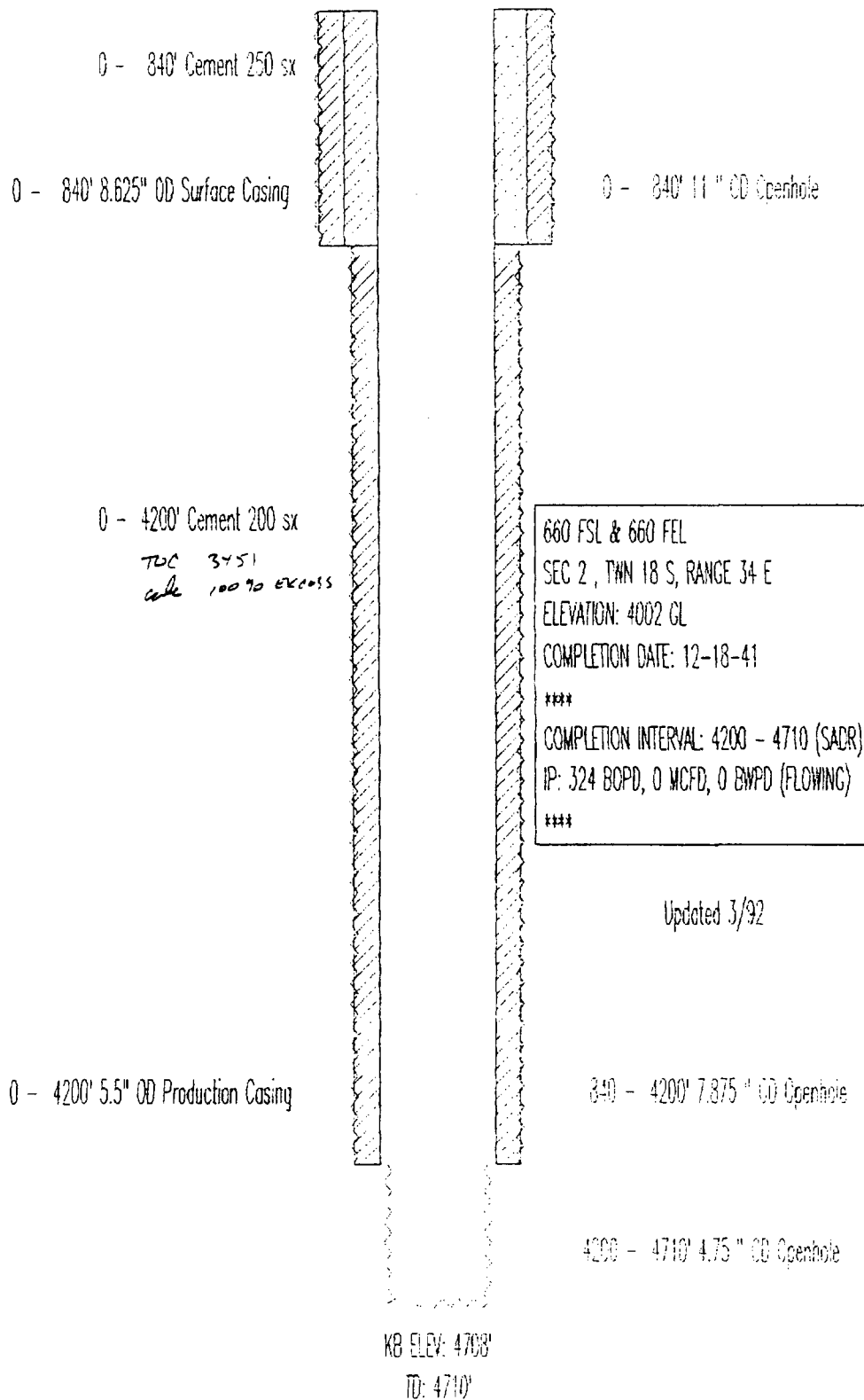
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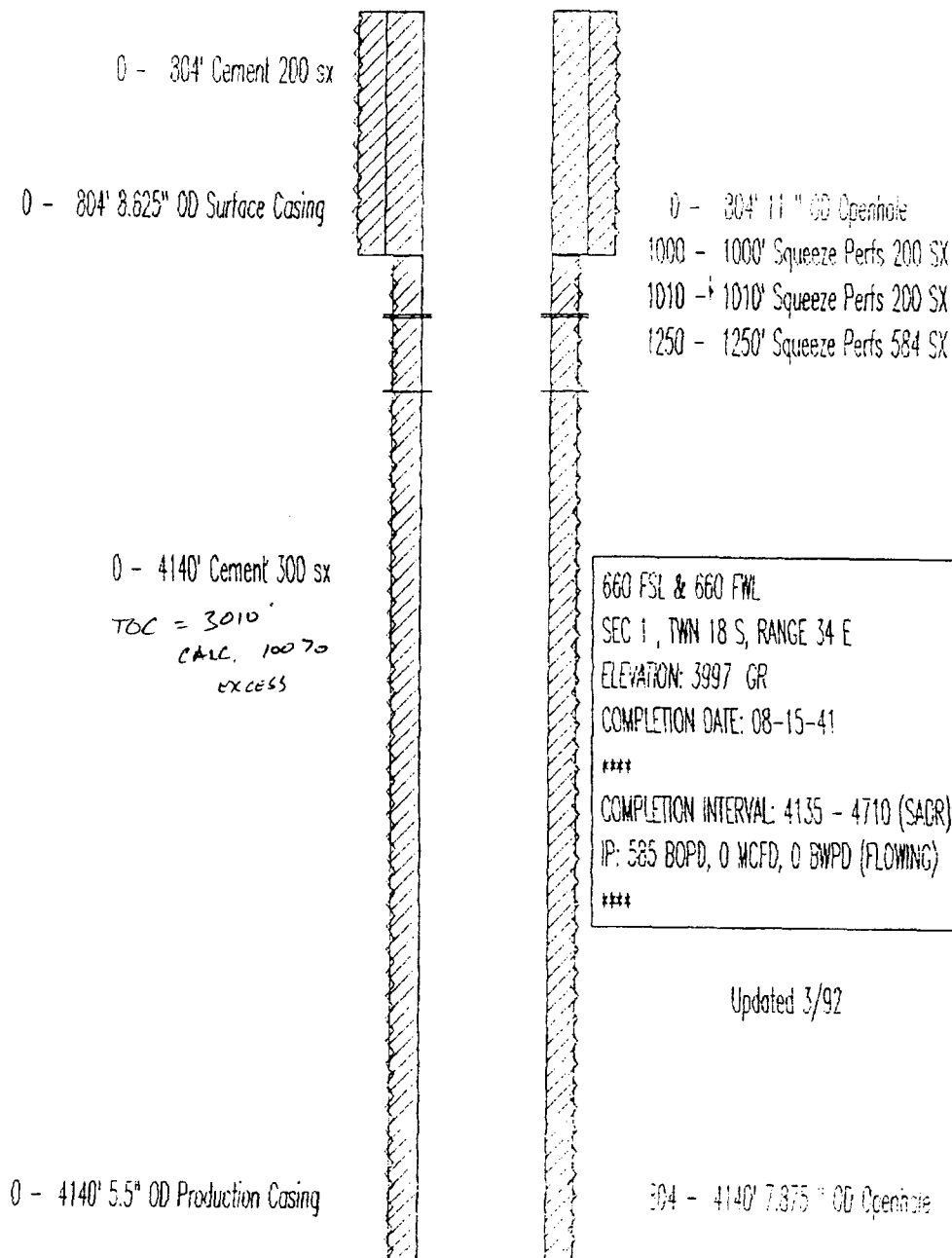
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API# 30025991250000



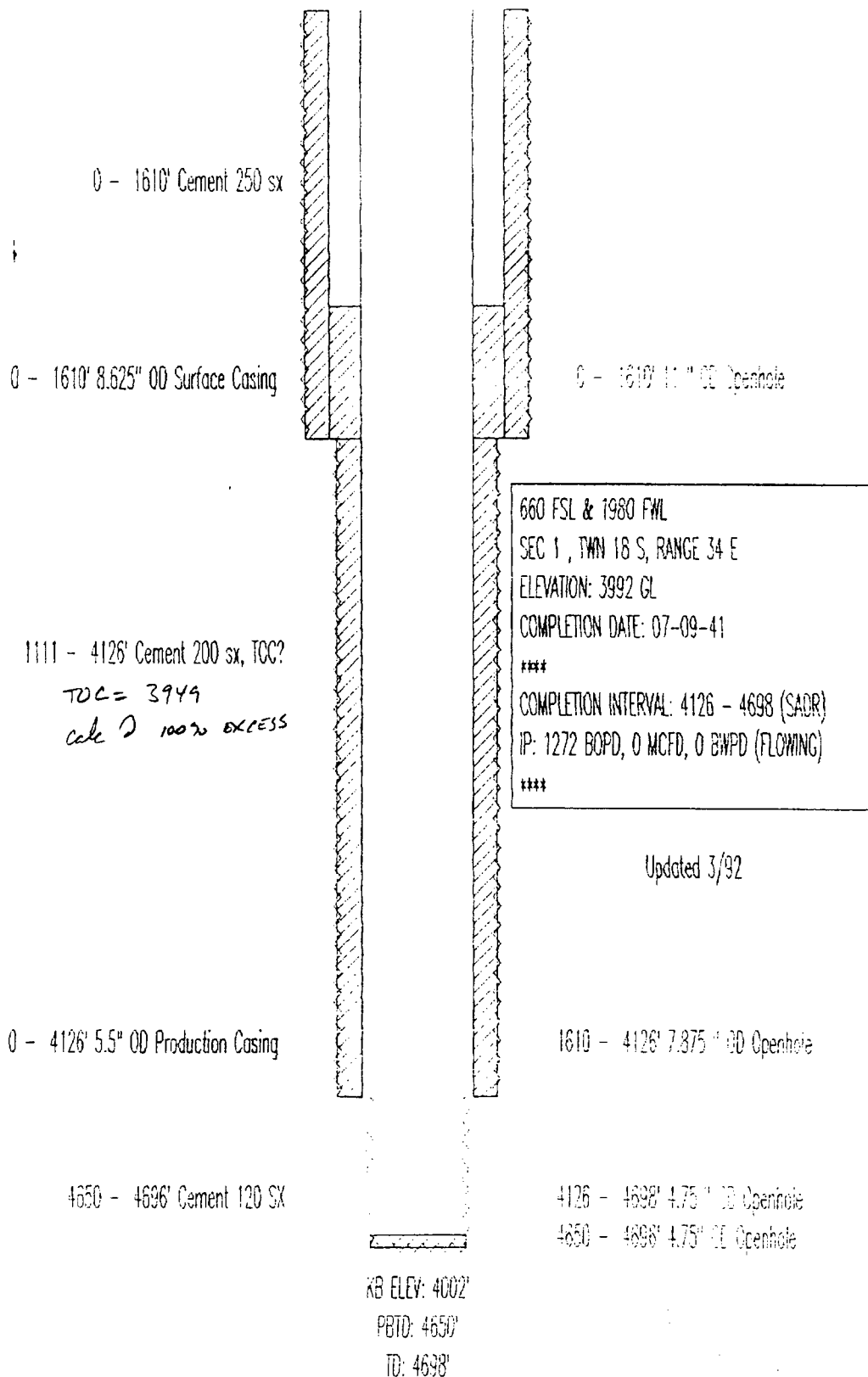
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VACUUM CRBG-SADR UN NO. 9
API# 30025022740000



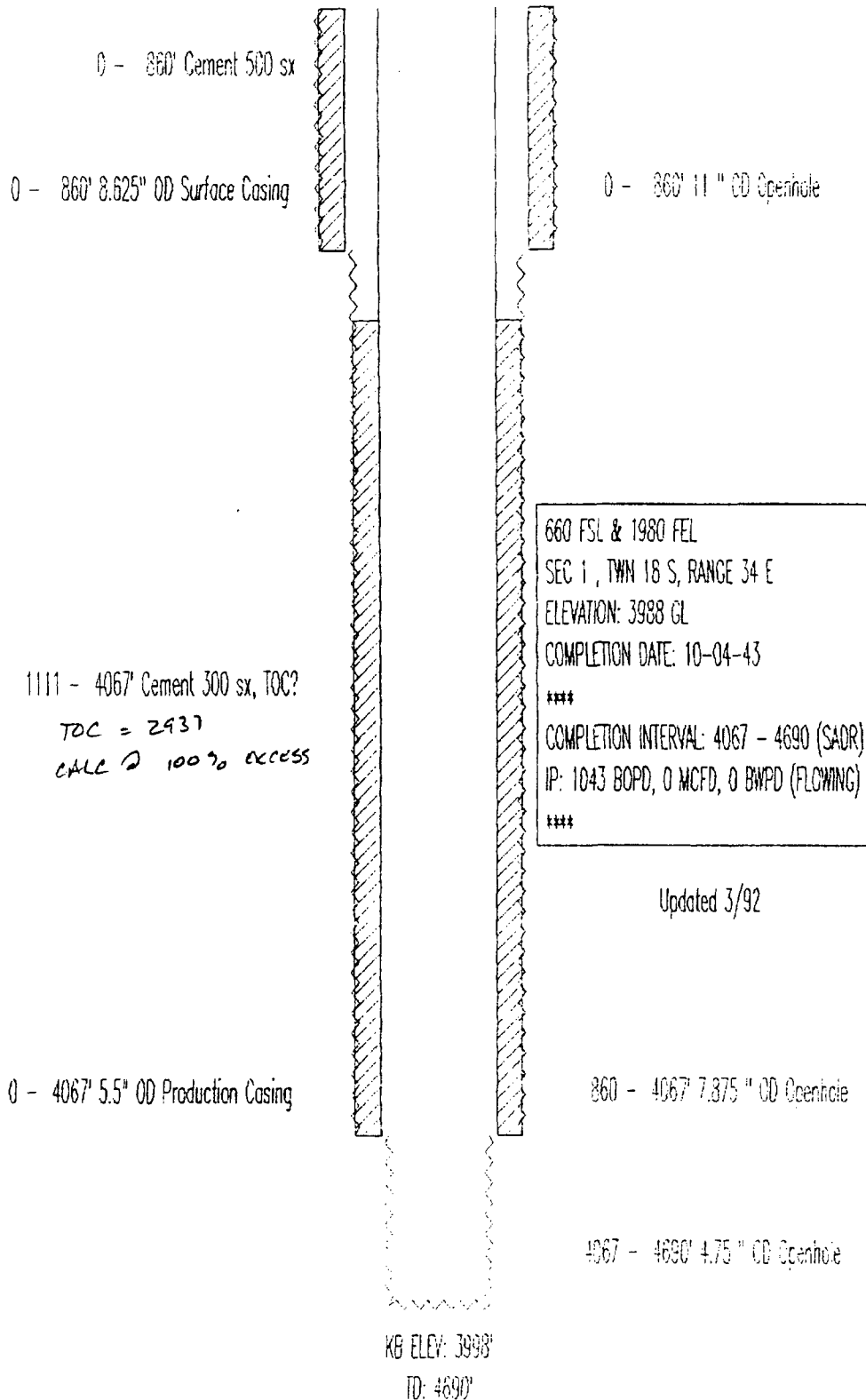
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VACUUM GRBG-SADR UN NO. 10
API# 30025022580000



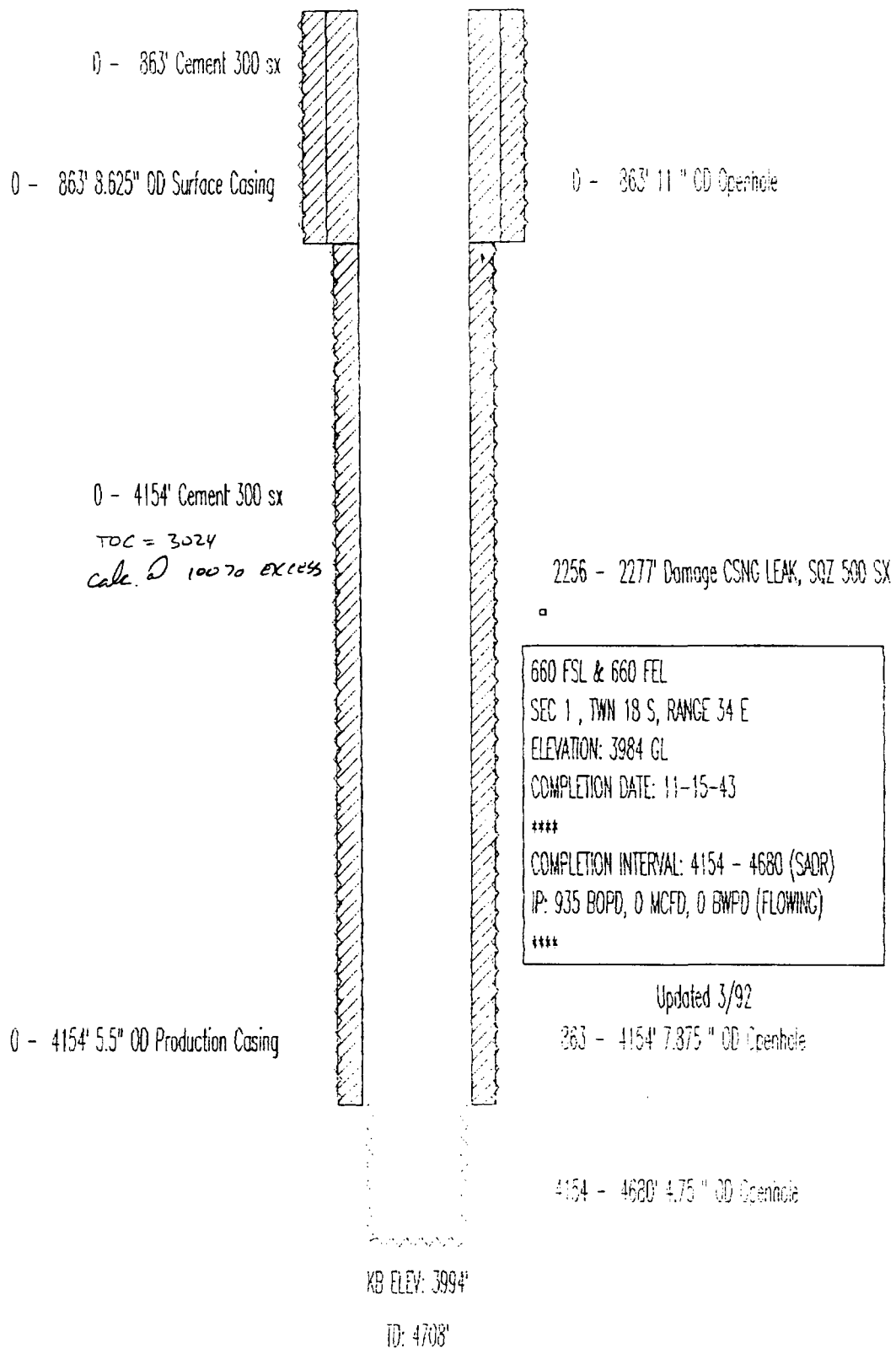
TEXACO INC
VACUUM GRBG-SADR UN NO. 11
API# 30025022570000



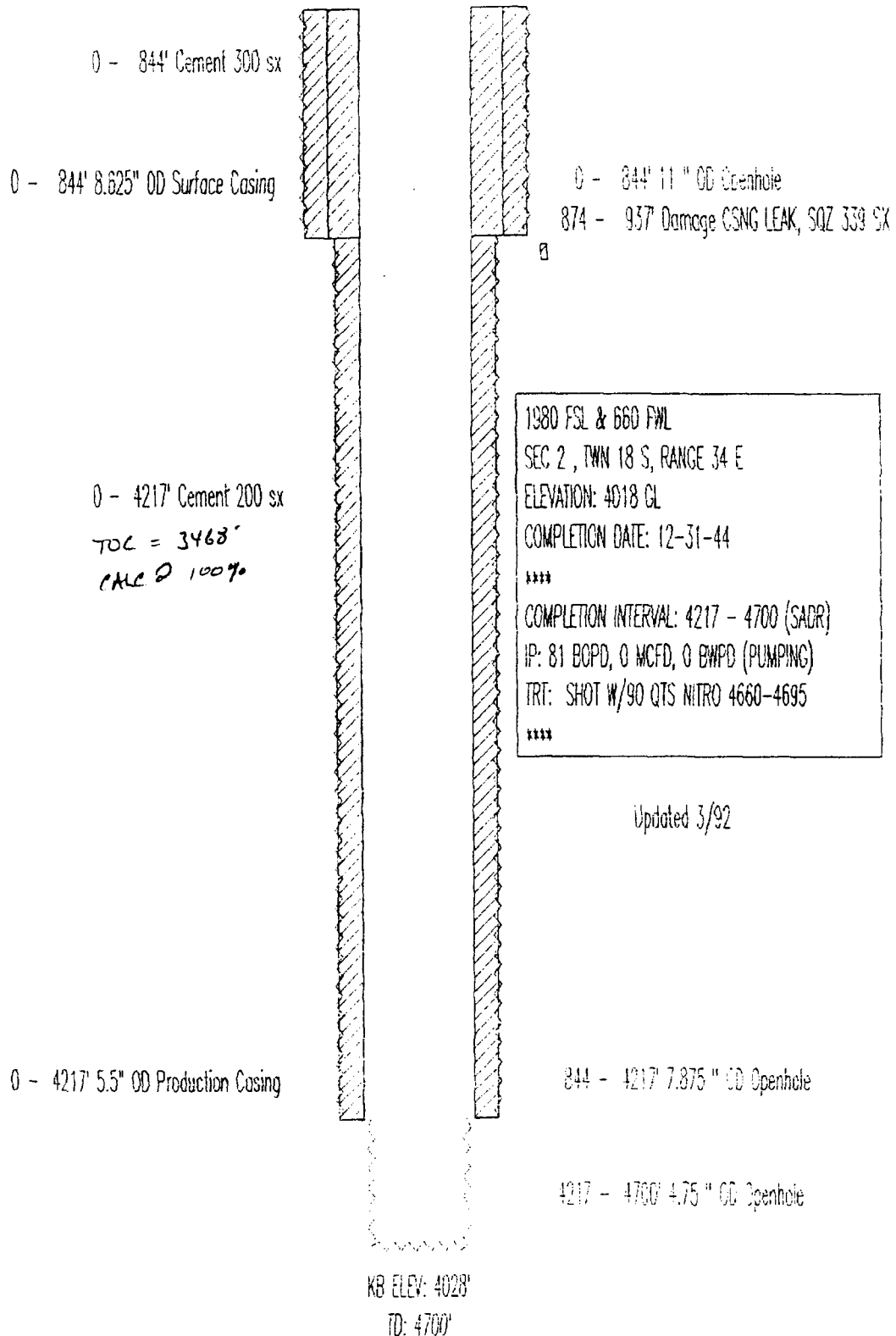
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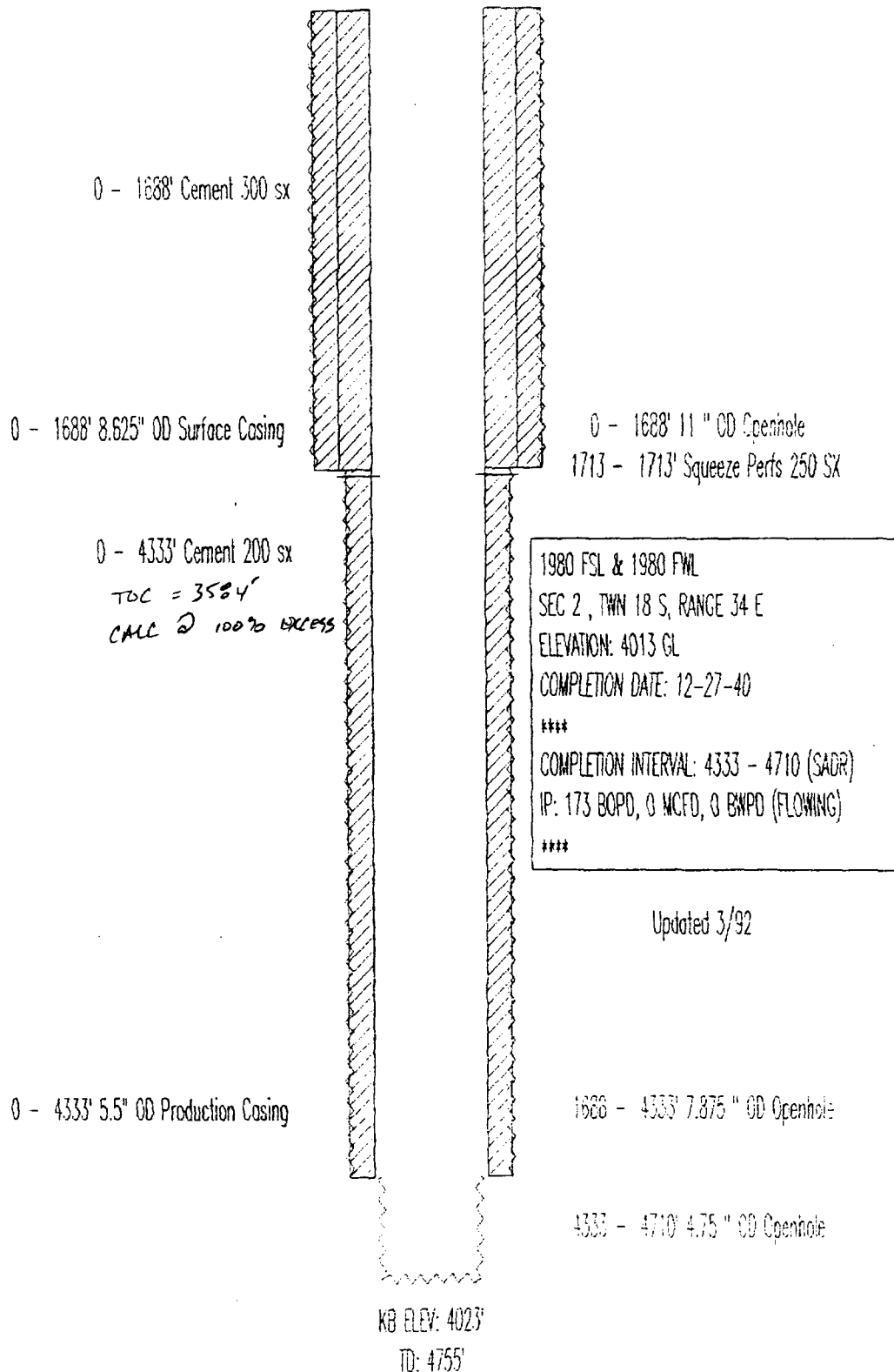
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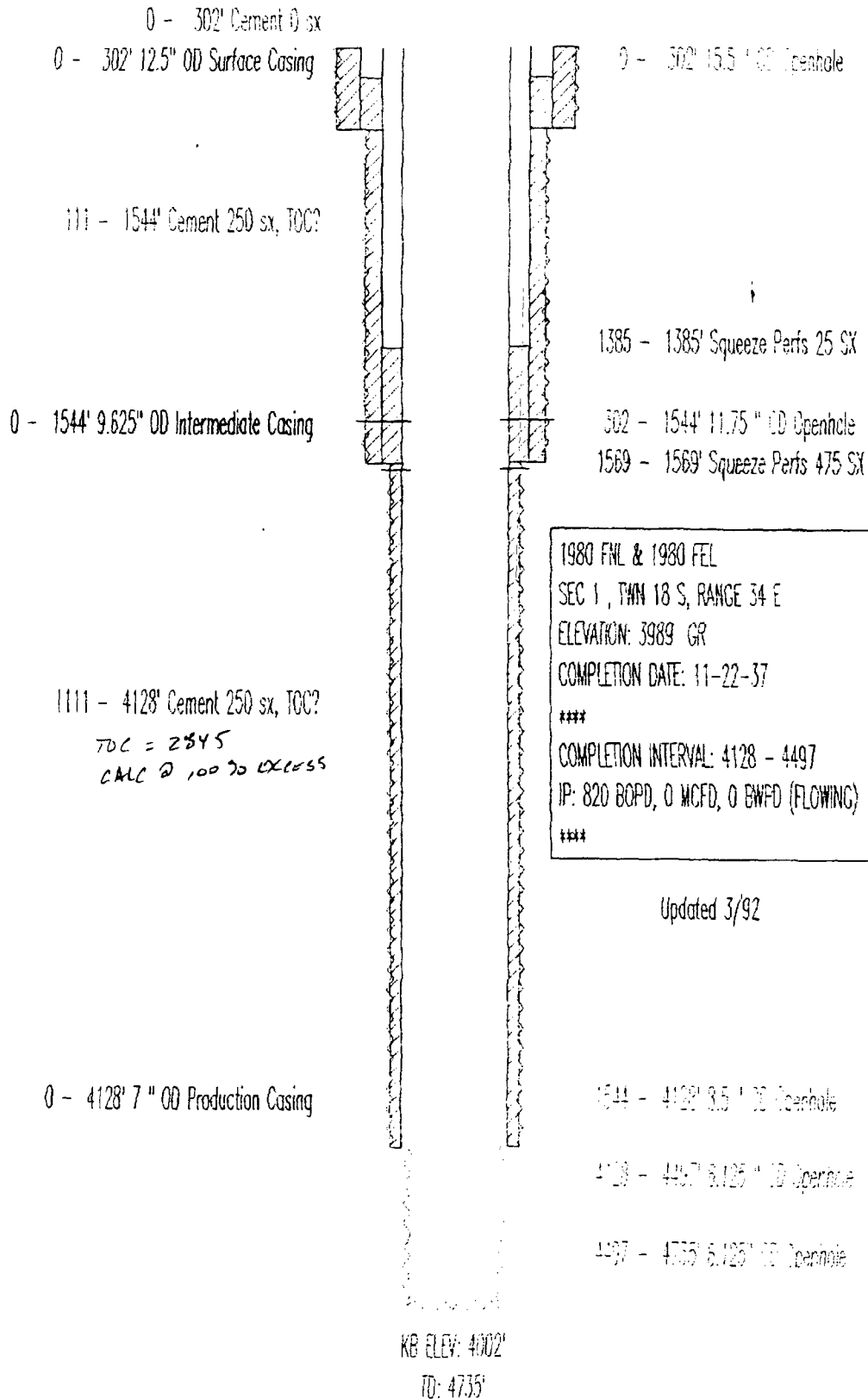
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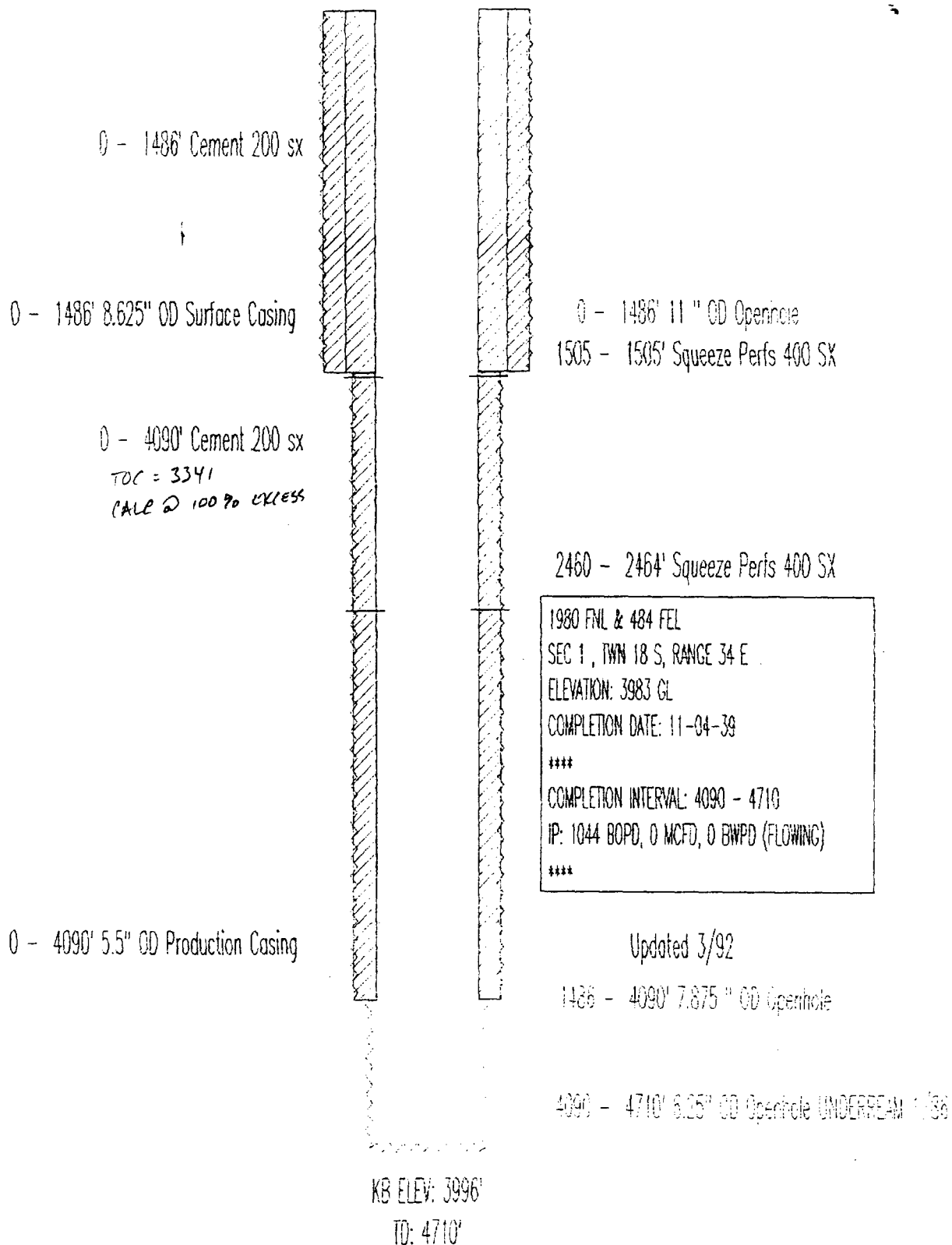
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API# 30025022730000



TEXACO INC
VACUUM GRBG-SADR UN NO. 42
API# 30025216340000



TEXACO INC
VACUUM GRBG-SADR UN NO. 43
API# 30025990330000



TEXACO INC
VACUUM GRBG-SADR UN NO. 44
API# 30025243620000

0 - 356' Cement 300 sx
0 - 356' 8.625" OD Surface Casing

0 - 356' 11" OD Openhole

1111 - 4800' Cement 500 sx, TOC?

TOF = 2908

CALC @ 100% EXCESS

0 - 4800' 5.5" OD Production Casing

1330 FNL & 1330 FWL
SEC 2, TWN 18 S, RANGE 34 E
ELEVATION: 4019 GR
COMPLETION DATE: 03-19-73

COMPLETION INTERVAL: 4443 - 4732 (GBSA)
TRT: 8000 GALS ACID (4443 - 4732)
IP: 59 BOPD, 133 MCFD, 4 BWPD (PUMPING)

CONVERT TO INJECTION 8/82, 720 BWPD @ V

Updated 3/92

4443 - 4732' Perfs

356 - 4800' 7.675" OD Cement

KB ELEV: 4029'

PBID: 4788'

ID: 4800'

TEXACO INC
VACUUM GRBG-SADR UN NO. W145
API# 30025243630000

0 - 356' Cement 300 sx
0 - 356' 8.625" OD Surface Casing

0 - 356' 11" OD Openhole

1111 - 4800' Cement 400 sx, TOC?

TOC = 3651
CALC @ 100% EXCESS

0 - 4800' 4.5" OD Production Casing

1310 FNL & 2530 FNL
SEC 2, TWN 18 S, RANGE 34 E
ELEVATION: 4016 GR
COMPLETION DATE: 04-05-73

COMPLETED AS INJECTOR 4433-4756 (SADR)

TRT: 6000 GAL 20% NEA

INITIAL INJ 500 BWPD @ V

Updated 3/92

4433 - 4455' Squeeze Perfs 200 SX

4455 - 4756' Perfs

4484 - 4740' Perfs 2SPF 44 HOLES, 6/90

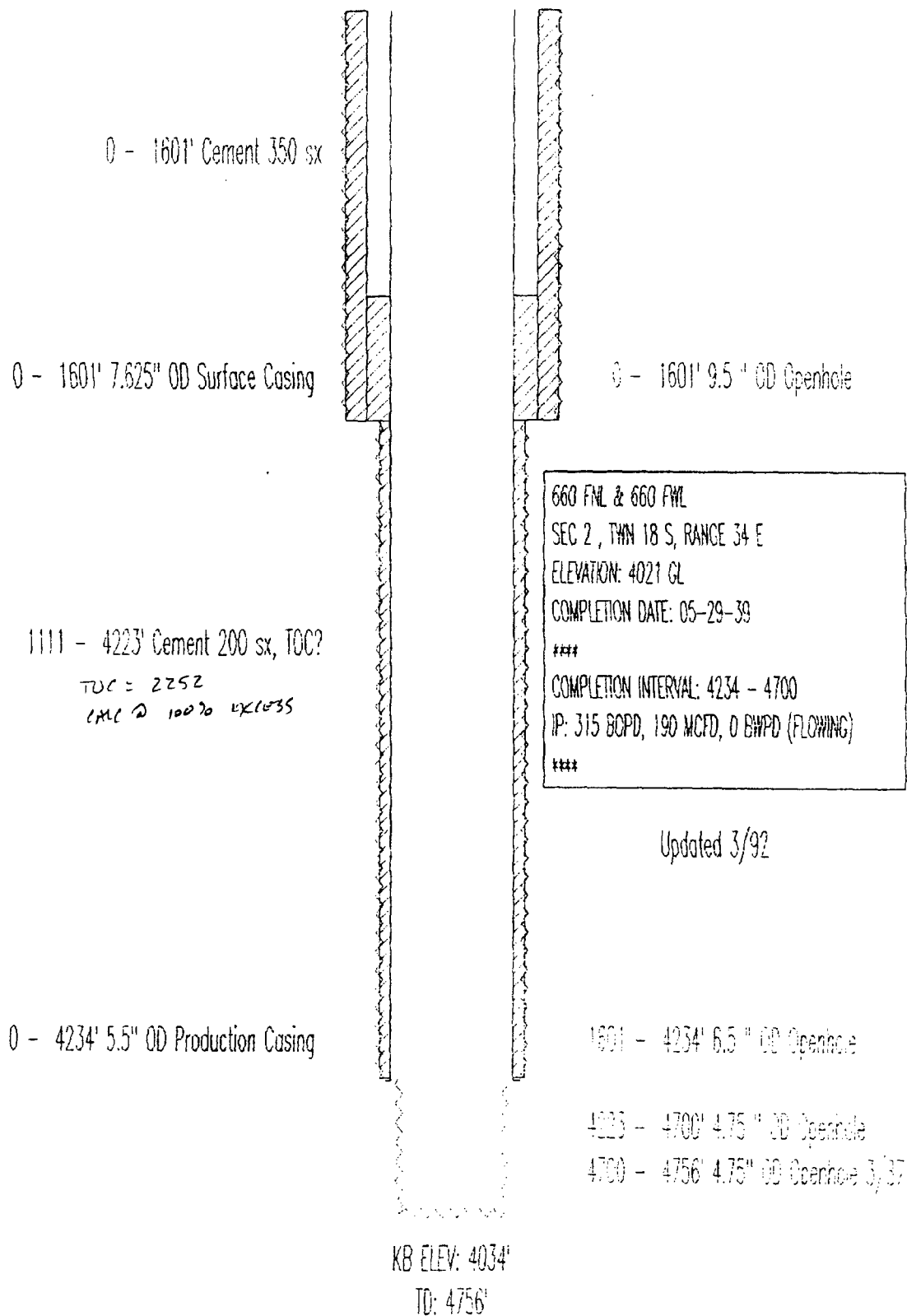
358 - 4800' 7.375" OD Openhole

KB ELEV: 4026'

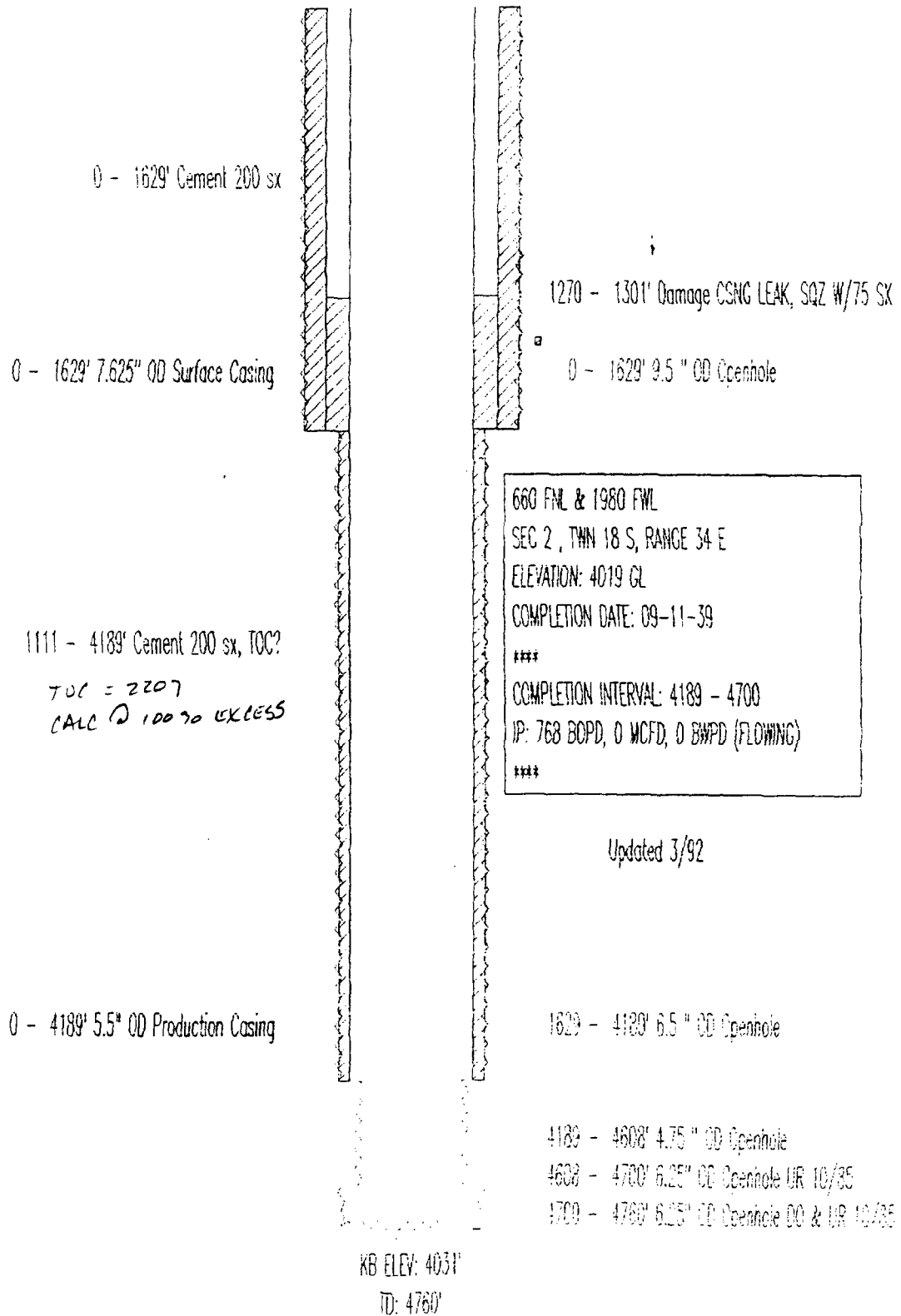
PBTD: 4790'

TD: 4800'

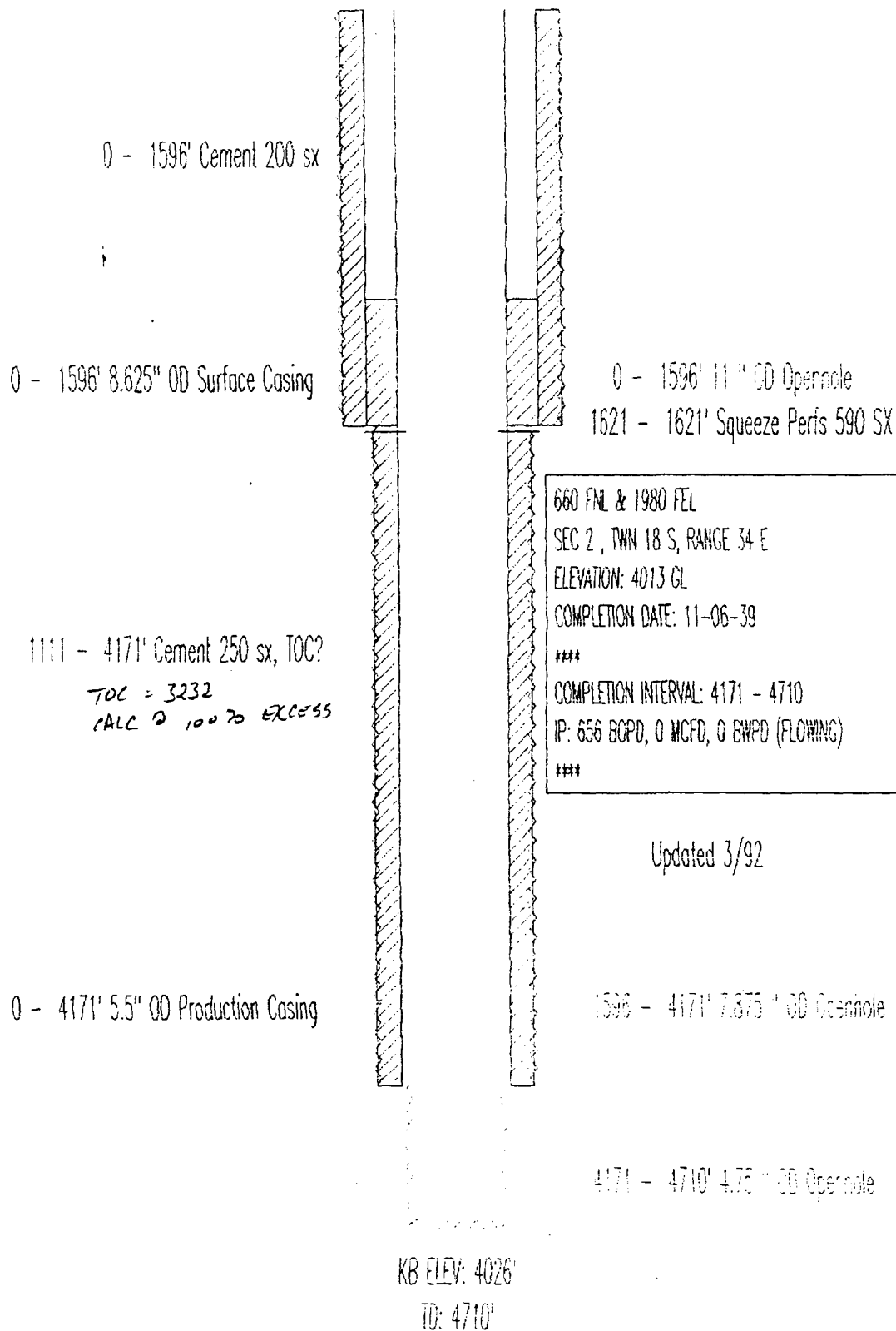
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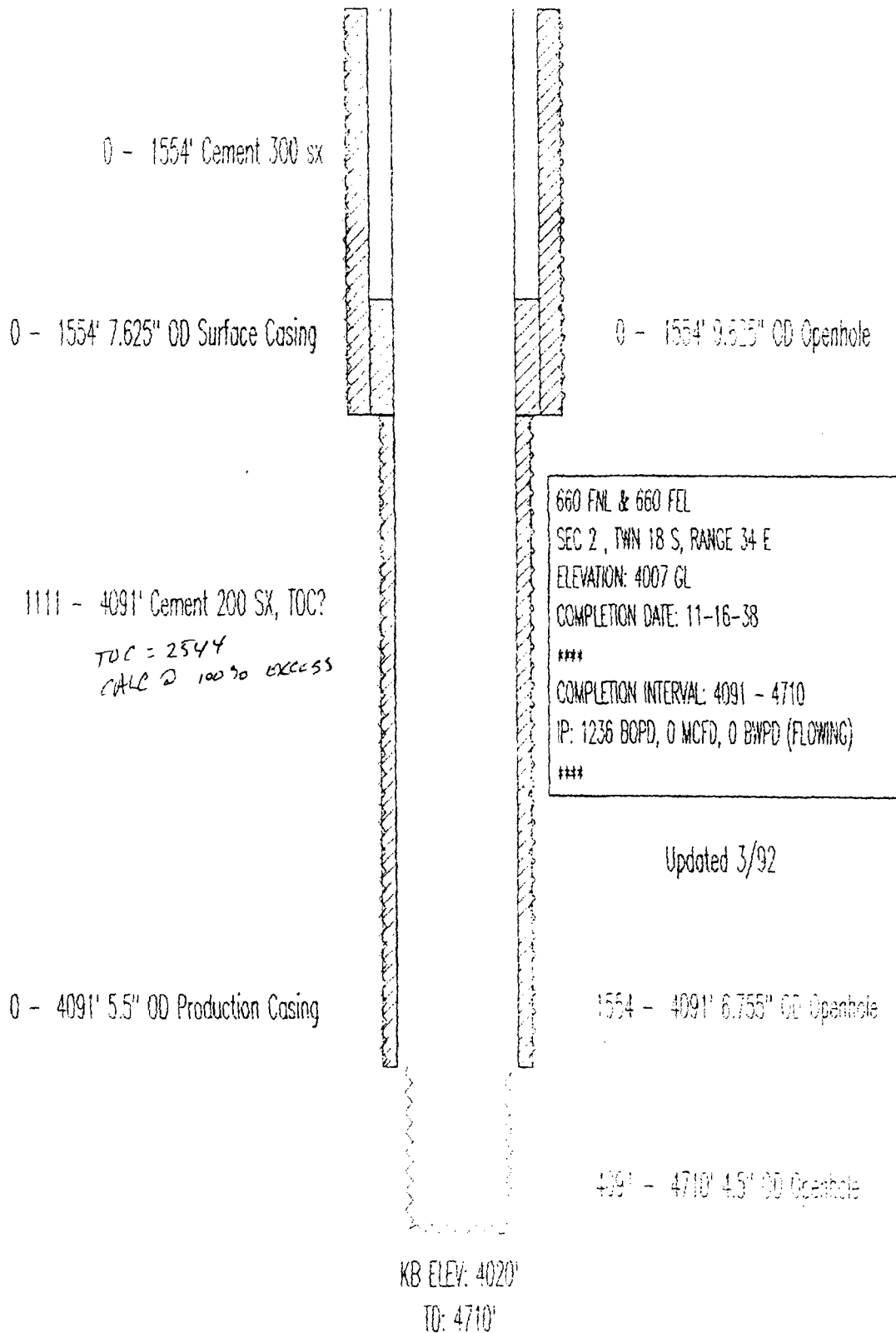
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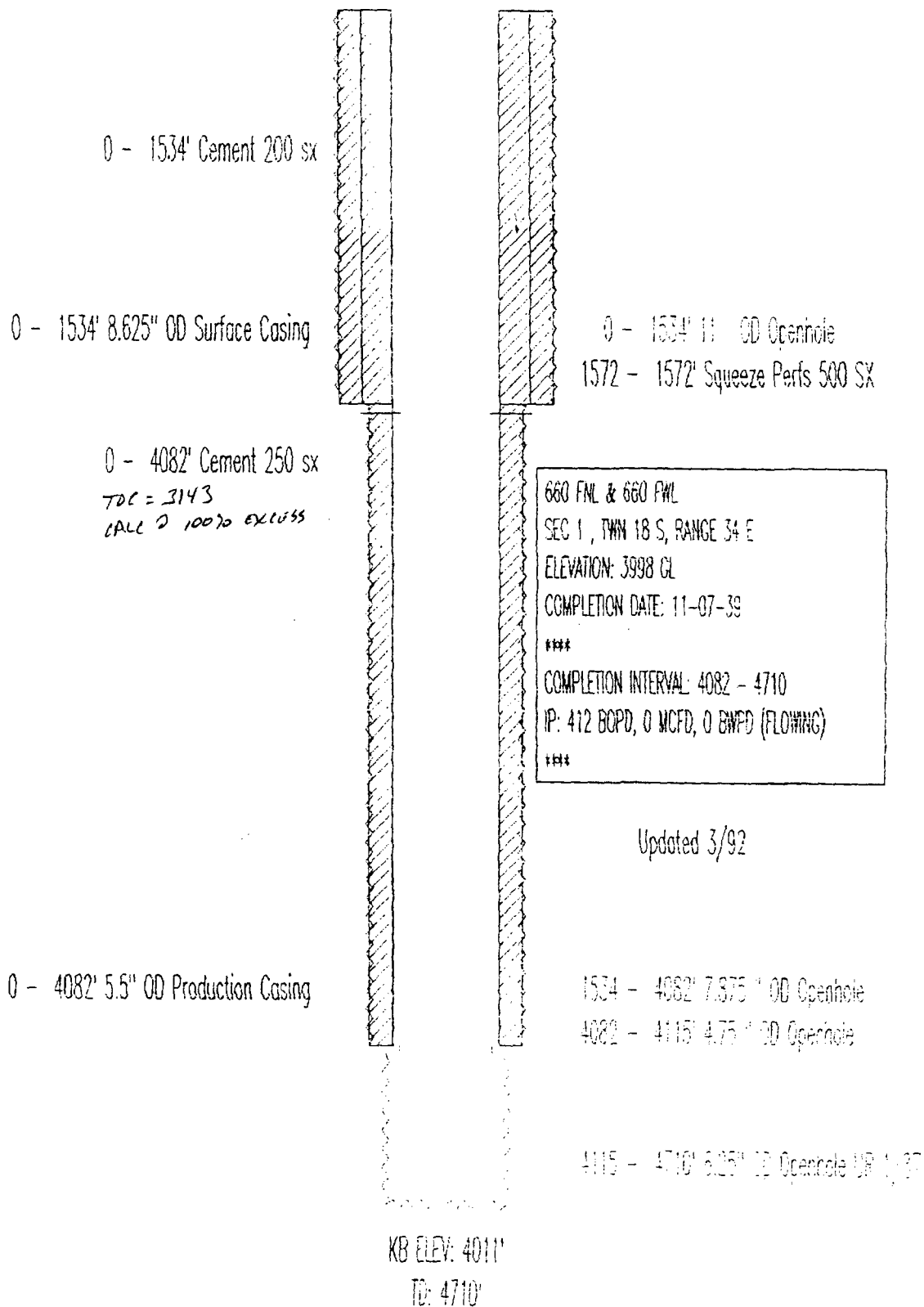
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- VACUUM GRBG-SADR UN NO. 53
API# 30025022620000



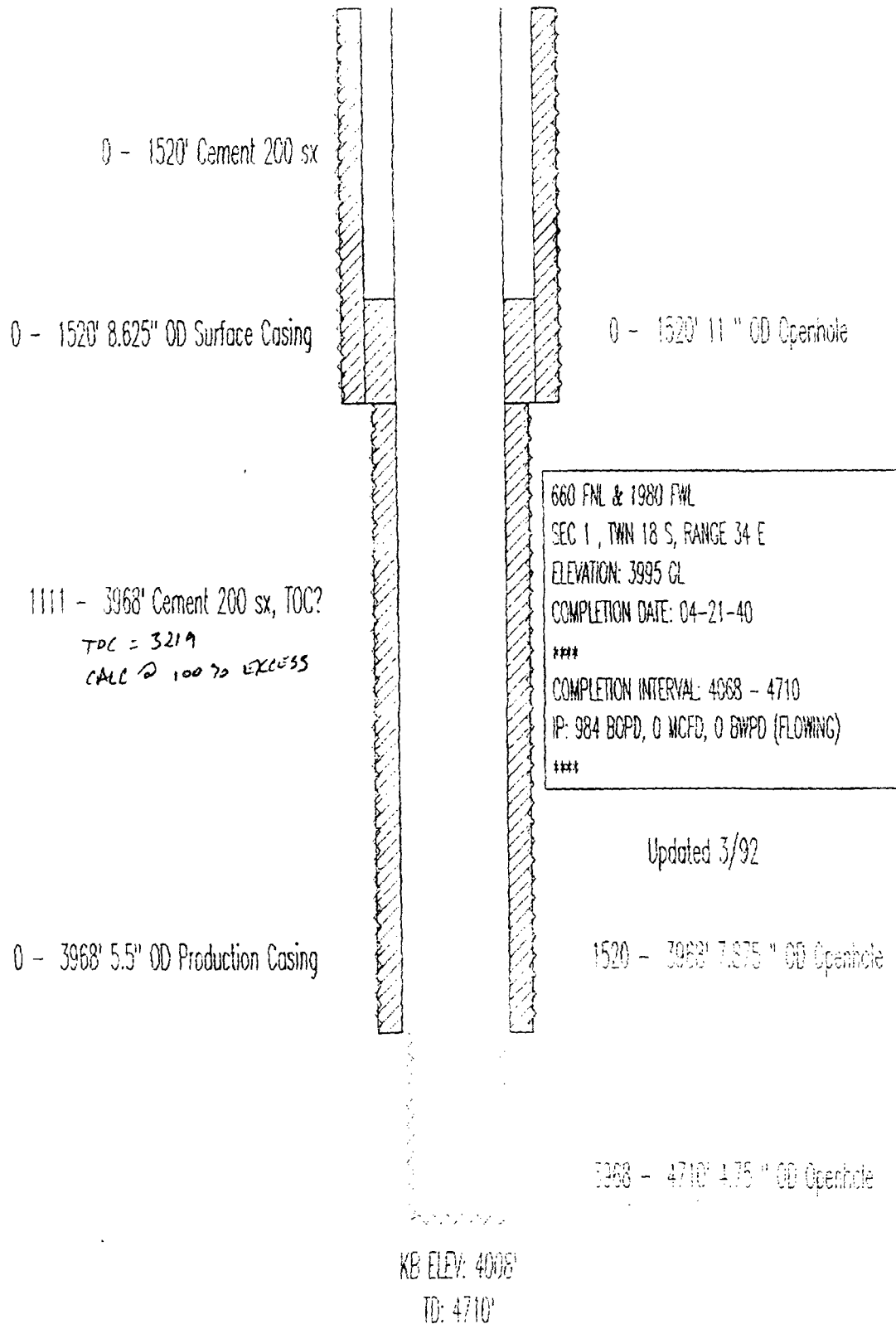
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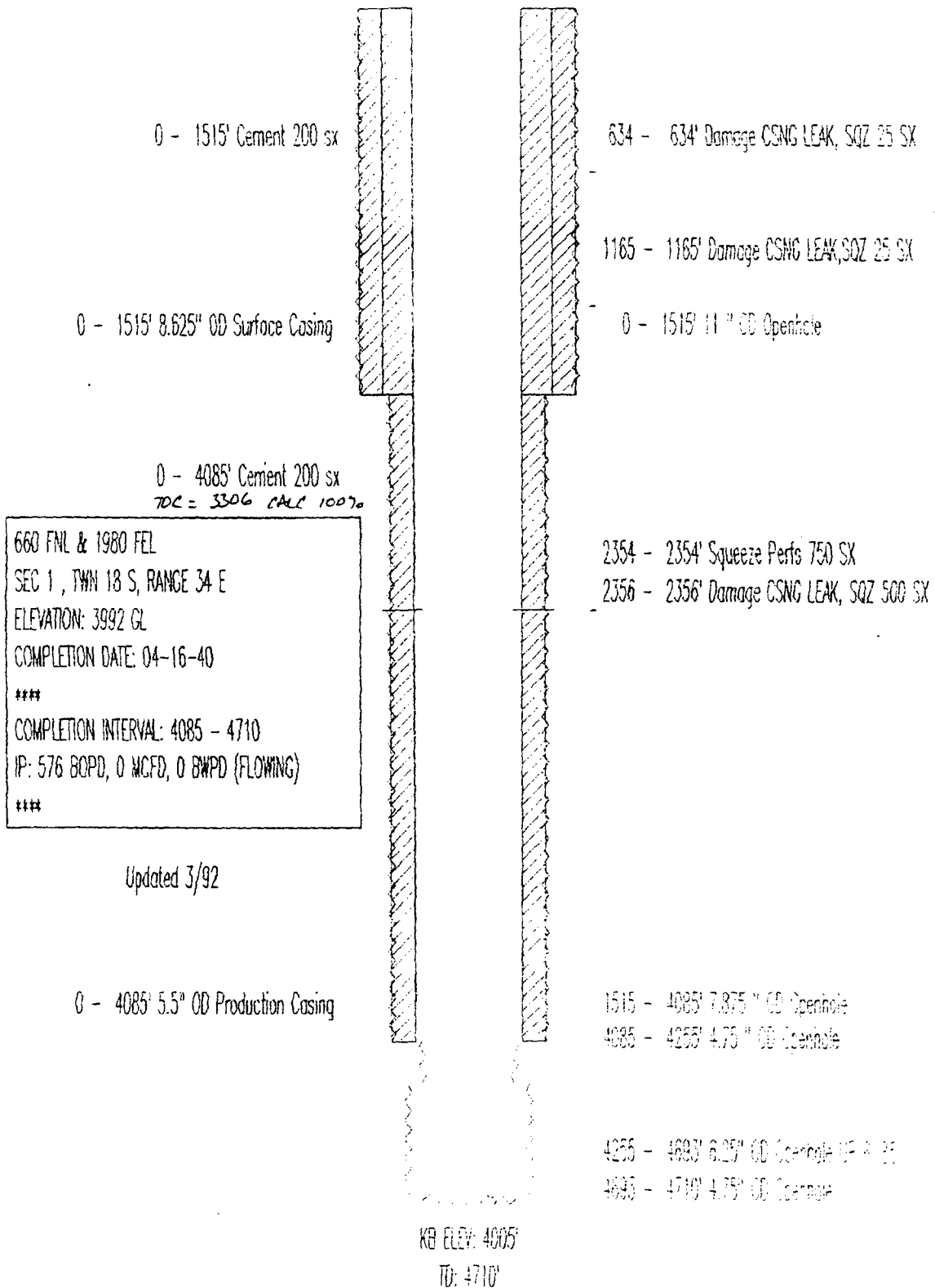
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VACUUM GRBG-SADR UN NO. 55
API# 30025022500000



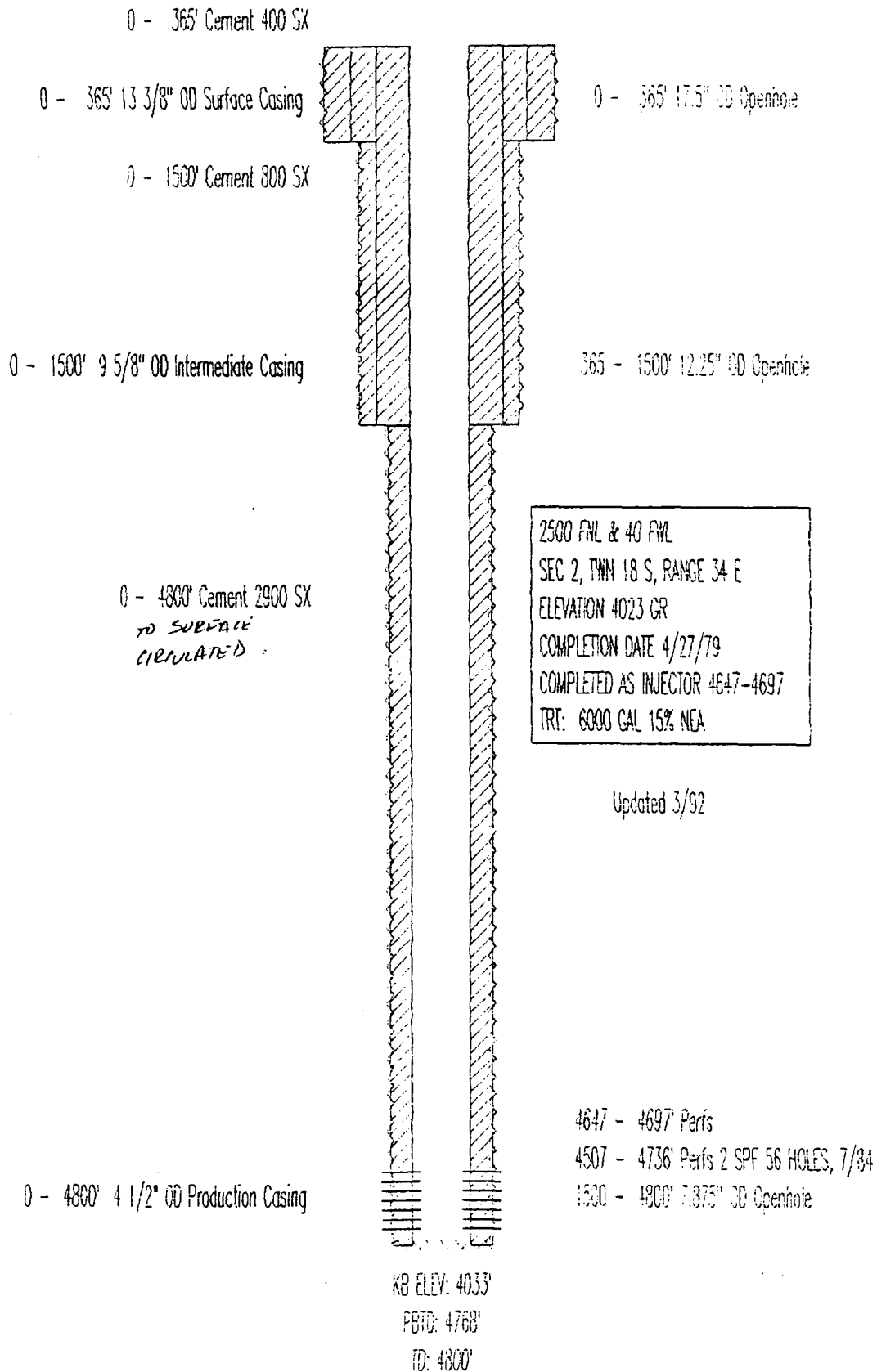
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API# 30025022510000



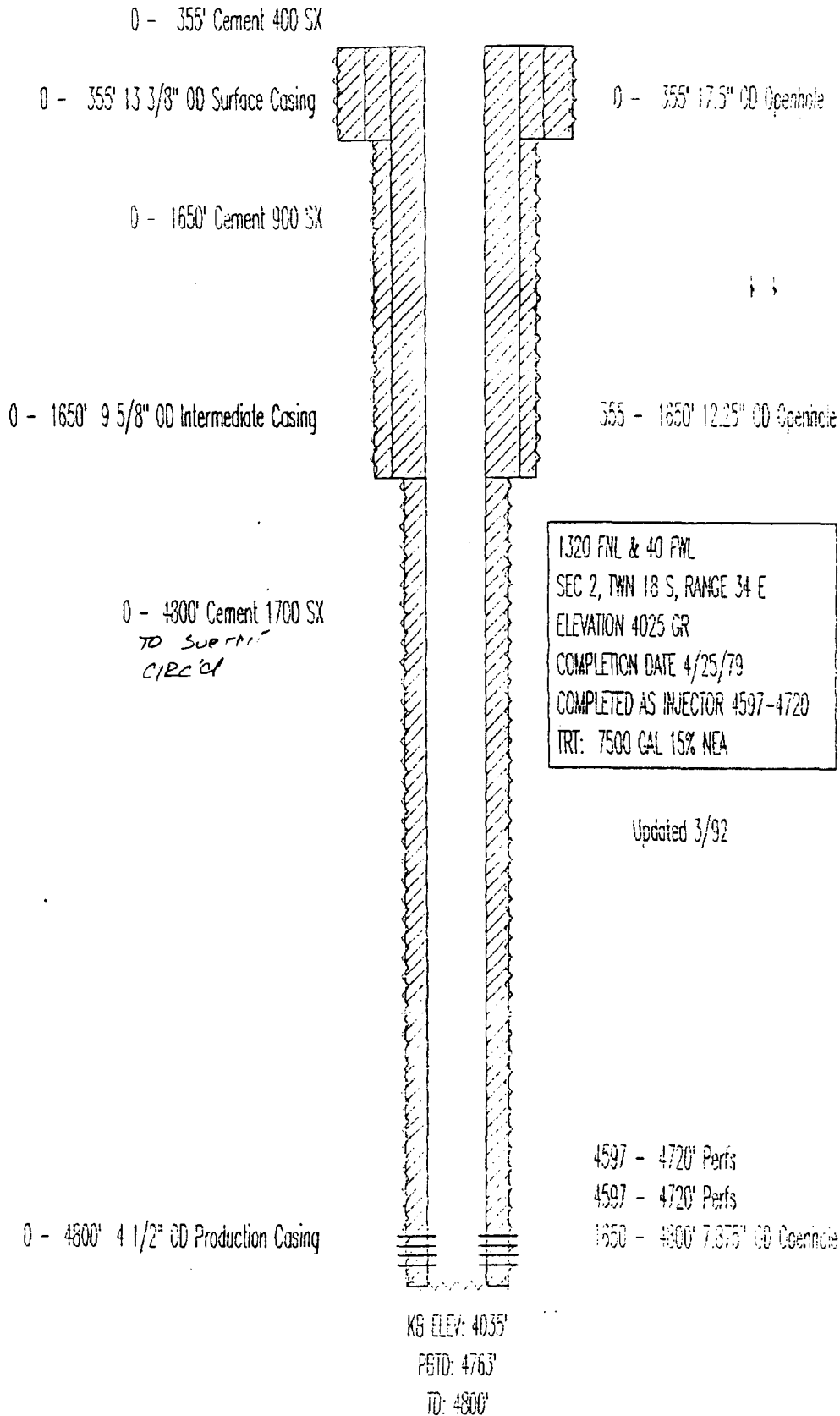
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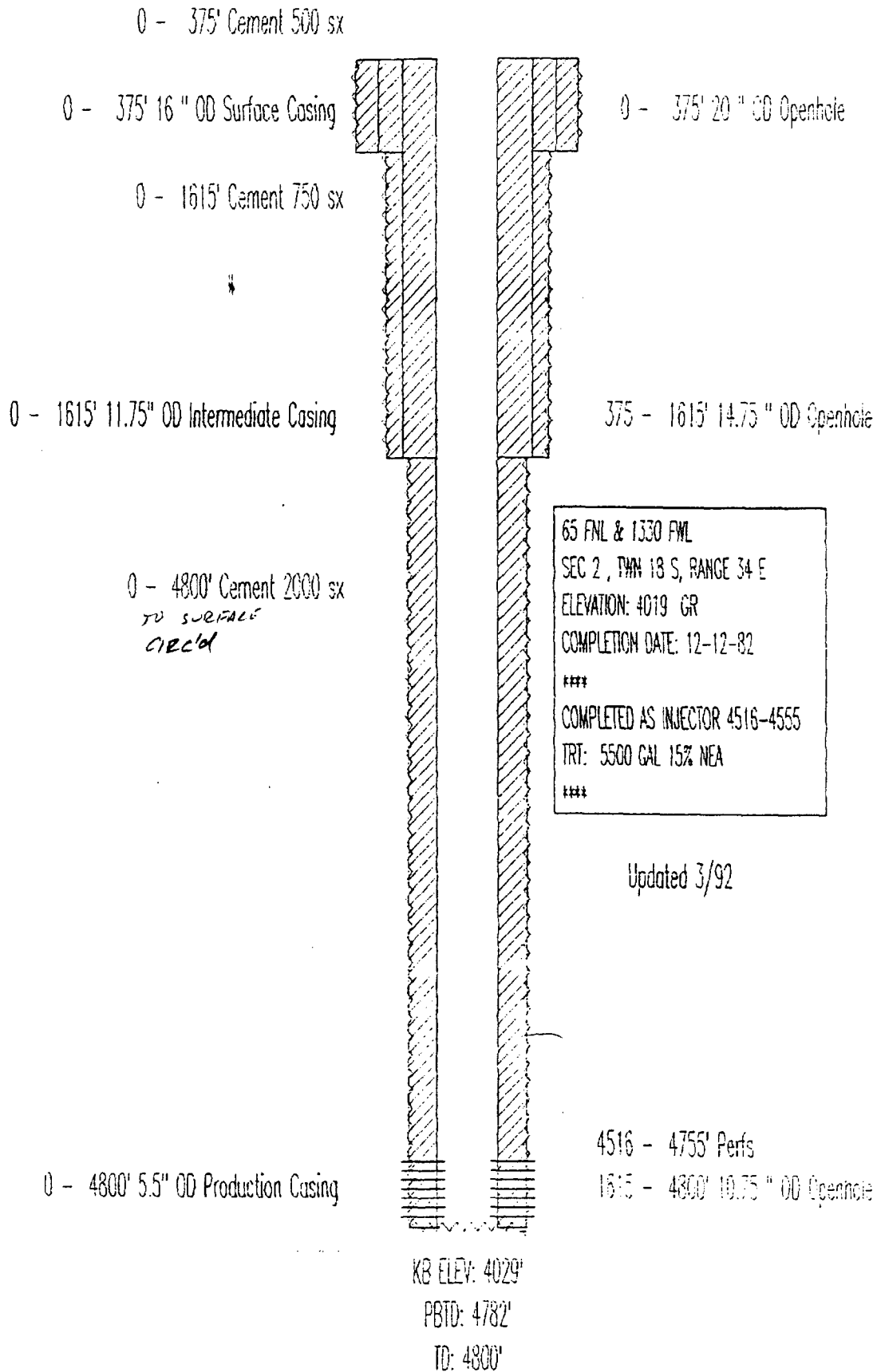
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VACUUM GRBG-SADR UN NO. 59
API# 30025262810000



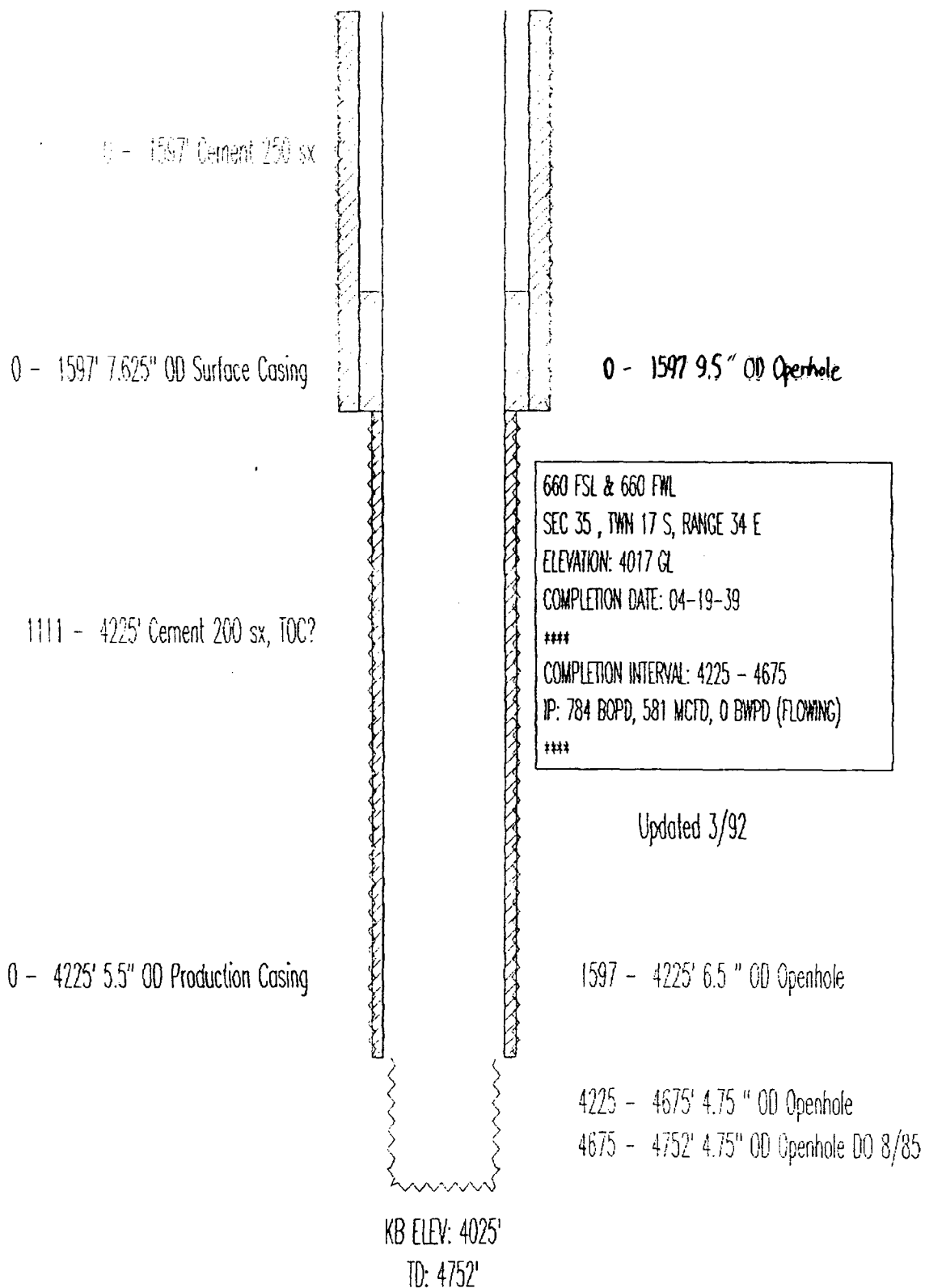
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VACUUM GRBC-SADR UN NO. 60
API# 30025262820000



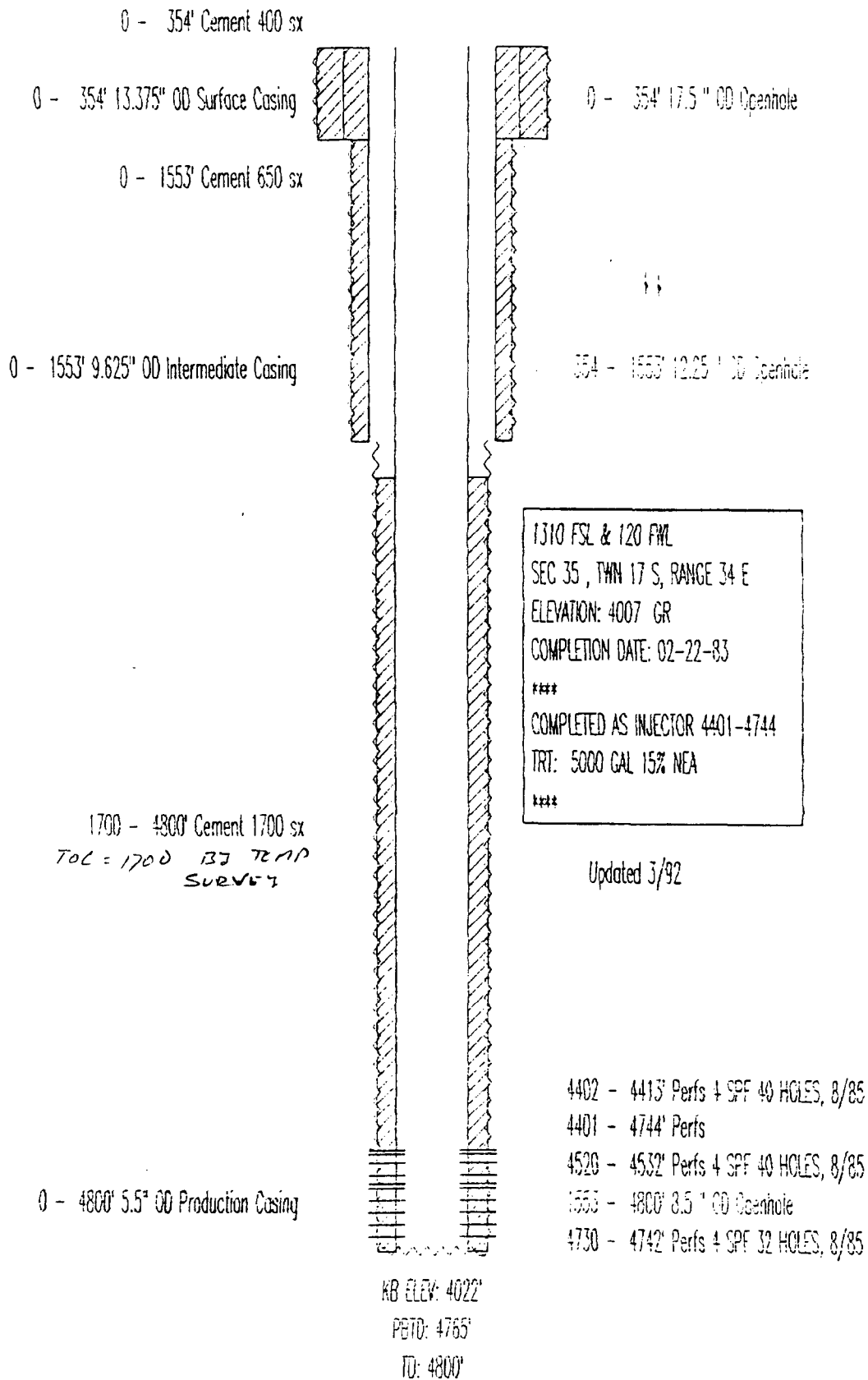
TEXACO INC
VACUUM (GESA) UNIT NO. W1-62
API# 30025279730000



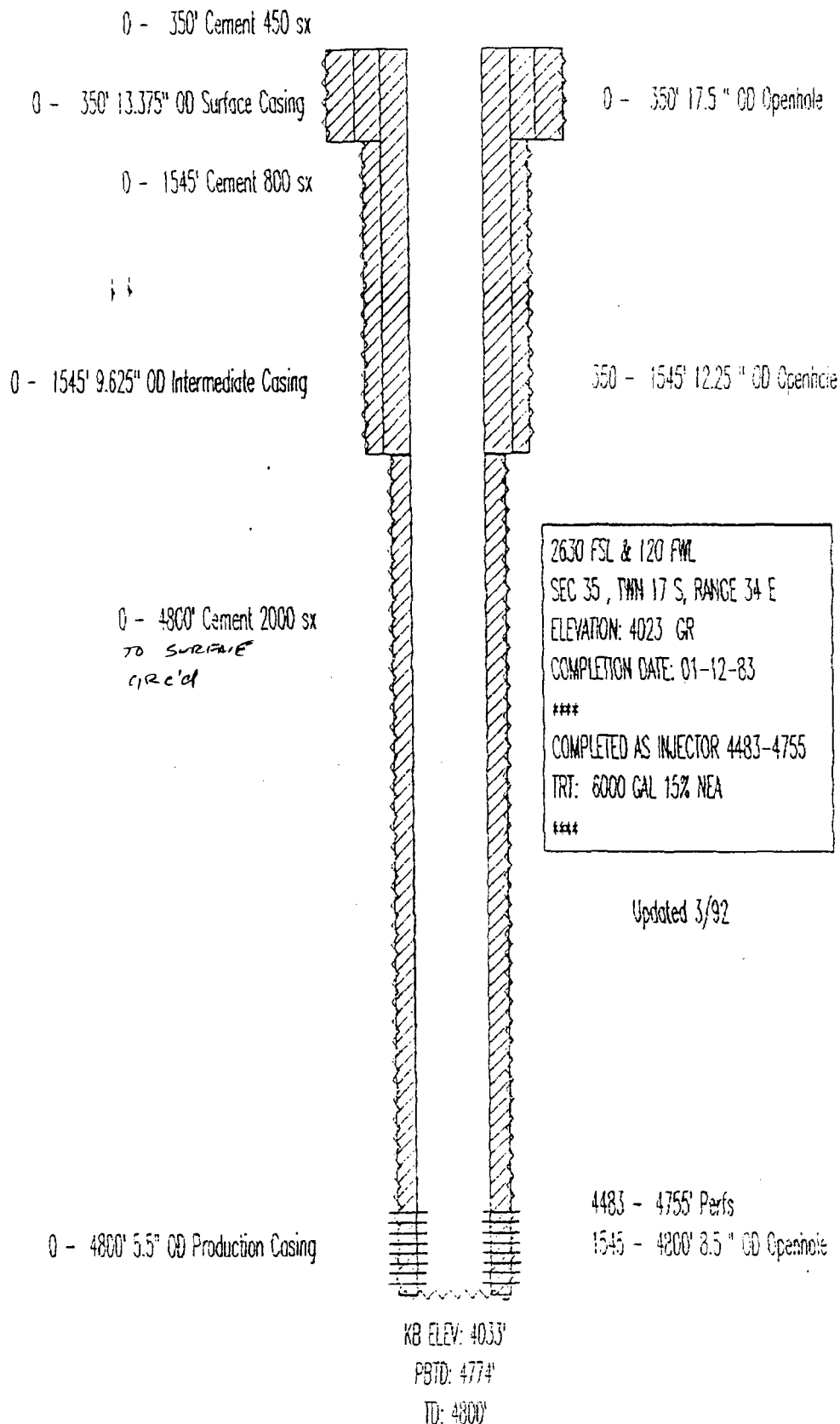
TEXACO INC
VACUUM GRBG-SADR UN NO. 64
API# 30025022270000



TEXACO INC
VACUUM (GBSA) UNIT NO. WI-65
API# 30025279750000



TEXACO INC
VACUUM (GBSA) UNIT NO. WI-67
API# 30025279760000



Hobbs Area / Monte Duncan

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

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

WELL API NO. 30-025-32026
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-1306-1

WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐					
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR ☐ OTHER ☐					
2. Name of Operator TEXACO EXPLORATION AND PRODUCTION INC.					
3. Address of Operator P. O. Box 3109, Midland, Texas 79702					
4. Well Location Unit Letter <u>L</u> ; 1980 Feet From The <u>SOUTH</u> Line and <u>1308</u> Feet From The <u>WEST</u> Line Section <u>1</u> Township <u>18-SOUTH</u> Range <u>34-EAST</u> NMPM LEA County					
10. Date Spudded 07-13-93	11. Date T.D. Reached 07-23-93	12. Date Compl. (Ready to Prod.) 08-19-93	13. Elevations (DFA RKB, RT, GR, etc.) GR-3995', KB-4008'	14. Elev. Casinghead 3995'	
15. Total Depth 4900'	16. Plug Back T.D. 4814'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0 - 4900'	19. Producing Interval(s), of this completion - Top, Bottom, Name 4257' - 4728'; SAN ANDRES	
20. Was Directional Survey Made YES				21. Type Electric and Other Logs Run GR-DLL-MSFL, GR-DSN-CAL-FDC	
22. Was Well Cored NO					

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1500'	11	CL-C 650 SX CIR. 74 SX	
5 1/2	15.5#	4900'	7 7/8	CL-H 1300 SX CIR. 71 SX	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	4706'	
26. Perforation record (interval, size, and number) 4257' - 4728'; 2 JSPF, 422 HOLES.					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 4257' - 4728' AMOUNT AND KIND MATERIAL USED ACID: 14000 GAL 15% HCL		

28. PRODUCTION							
Date First Production 08-12-93		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING - 2.5 X 1.5 X 24				Well Status (Prod. or Shut-in) PRODUCING	
Date of Test 08-23-93	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 58	Gas - MCF 92	Water - Bbl. 480	Gas - Oil Ratio 1586
Flow Tubing Press. 80	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF A	Water - Bbl.	Oil Gravity - API - (Corr.) 38.80	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD				Test Witnessed By RANDY TRAMMELL	
30. List Attachments DEVIATION SURVEY				Received Jaxaco HOUBBS AREA	
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief					
Signature C. P. Basham / JCH		Printed Name C. P. BASHAM		Title DRLG. SUPT.	
				Date 08-30-93	

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-105
Revised 1-1-89

WELL API NO. 30-025-32027
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-1306-1

WELL COMPLETION OR RECOMPLETION REPORT AND LOG	
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____	7. Lease Name or Unit Agreement Name VACUUM GRAYBURG SAN ANDRES UNIT
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER _____	
2. Name of Operator TEXACO EXPLORATION AND PRODUCTION INC.	8. Well No. 127
3. Address of Operator P. O. Box 3109, Midland, Texas 79702	9. Pool name or Wildcat VACUUM GRAYBURG SAN ANDRES

4. Well Location Unit Letter <u>K</u> : 1980 Feet From The <u>SOUTH</u> Line and <u>2625</u> Feet From The <u>WEST</u> Line Section <u>1</u> Township <u>18-SOUTH</u> Range <u>34-EAST</u> NMPM LEA County				
10. Date Spudded 07-24-93	11. Date T.D. Reached 07-31-93	12. Date Compl. (Ready to Prod.) 09-24-93	13. Elevations (DF & RKB, RT, GR, etc.) GR-3992', KB-4006'	14. Elev. Casinghead 3992'
15. Total Depth 4900'	16. Plug Back T.D. 4581'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0 - 4900'	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 4179' - 4568'; GRAYBURG/SAN ANDRES				20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run GR-DLL-MSFL, GR-SDL-DSN, GR-FW-SONIC, GR-CCL-RAL				22. Was Well Cored NO

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1450'	11	CL-C 650 SX, CIRC. 128 SX	
5 1/2	15.5#	4900'	7 7/8	CL H 1385 SX, GR-CCL-RAL	
				TOC @ 2350'	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	4563'	

26. Perforation record (interval, size, and number) 4179' - 4568'; 2 JSPF, 382 HOLES.	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 4179' - 4511' AMOUNT AND KIND MATERIAL USED ACID: 6000 GAL 15% HCL
--	---

28. PRODUCTION							
Date First Production 08-26-93		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING - 2.5 X 1.5 X 24				Well Status (Prod. or Shut-in) PRODUCING	
Date of Test 09-29-93	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 68	Gas - MCF 71	Water - Bbl 77	Gas - Oil Ratio 1044
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (Corr.) 38.80	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD	Test Witnessed By RANDY TRAMMELL
--	-------------------------------------

30. List Attachments DEVIATION SURVEY			
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief			
Signature <u>C. P. Basham / SDH</u>	Printed Name C. P. BASHAM	Title DRLG. SUPT.	Date 10-05-93

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-105
Revised 1-1-89

WELL API NO. 30-025-32028
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-1306-1

WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____			7. Lease Name or Unit Agreement Name VACUUM GRAYBURG SAN ANDRES UNIT		
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESER ☐ OTHER _____			8. Well No. 128		
2. Name of Operator TEXACO EXPLORATION AND PRODUCTION INC.			9. Pool name or Wildcat VACUUM GRAYBURG SAN ANDRES		
3. Address of Operator P. O. Box 3109, Midland, Texas 79702					
4. Well Location Unit Letter <u>I</u> : <u>1980</u> Feet From The <u>SOUTH</u> Line and <u>1220</u> Feet From The <u>EAST</u> Line Section <u>1</u> Township <u>18-SOUTH</u> Range <u>34-EAST</u> NMPM LEA County					
10. Date Spudded 08-02-93	11. Date T.D. Reached 08-10-93	12. Date Compl. (Ready to Prod.) 09-23-93	13. Elevations (DF & RKB, RT, GR, etc.) GR-3985', KB-3999'	14. Elev. Casinghead 3985'	
15. Total Depth 4900'	16. Plug Back T.D. 4846'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0 - 4900'	19. Producing Interval(s), of this completion - Top, Bottom, Name 4240' - 4788'; GRAYBURG/SAN ANDRES	
20. Was Directional Survey Made YES				21. Type Electric and Other Logs Run IR-DLL-MSFL, GR-DSN-SDL, GR-SONIC	
22. Was Well Cored NO					

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1470'	11	CL C 650 SX, CIRC. 135 SX	
5 1/2	15.5#	4900'	7 7/8	CL H 1005 SX, CIRC. 151 SX	
24. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	PACKER SET
				2 7/8	4798'
25. TUBING RECORD					
26. Perforation record (interval, size, and number) 4240' - 4788'; 2 JSPF, 364 HOLES.			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.		
			DEPTH INTERVAL		
			AMOUNT AND KIND MATERIAL USED		
			4240' - 4788'		
			ACID: 16100 GAL 15% HCL		
			FRAC: 100200 GAL XLG FRESH		
			WATER & 193000# 20/40 SD.		

28. PRODUCTION					
Date First Production 09-04-93		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING - 2.5 X 1.75 X 24			Well Status (Prod. or Shut-in) PRODUCING
Date of Test 09-29-93	Hours Tested 24	Choke Size	Prod's For Test Period	Oil - Bbl. 91	Gas - MCF 25
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl. 32
				Oil Gravity - API - (Corr.) 38.80	Gas - Oil Ratio 275
29. Disposition of Gas (Sold, used for fuel, vented, etc.) OLD					Test Witnessed By RANDY TRAMMELL

30. List Attachments DEVIATION SURVEY	
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief	
Signature <u>C. P. Basham</u>	Printed Name <u>C.P. BASHAM</u>
Title <u>DRLG. SUPT.</u>	Date <u>10-07-93</u>

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

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

WELL FILE

WELL AP NO. 30-025-30754
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. 857948
7. Lease Name or Unit Agreement Name VACUUM GRAYBURG SAN ANDRES UNIT
8. Well No. 138
9. Pool name or Wildcat VACUUM GRAYBURG SAN ANDRES

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐	7. Lease Name or Unit Agreement Name VACUUM GRAYBURG SAN ANDRES UNIT
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESVR ☐ OTHER ☐	
2. Name of Operator TEXACO PRODUCING INC.	8. Well No. 138
3. Address of Operator P. O. Box 3109, Midland, Texas 79702	9. Pool name or Wildcat VACUUM GRAYBURG SAN ANDRES

4. Well Location Unit Letter F : 1980 Feet From The NORTH Line and 2583 Feet From The WEST Line Section 2 Township 18-S Range 34-E NMPM LEA County
--

10. Date Spudded 02-13-90	11. Date T.D. Reached 02-19-90	12. Date Compl. (Ready to Prod.) 03-31-90	13. Elevations (DF & RKB, RT, GR, etc.) GL-4015, KB-4028	14. Elev. Casinghead 4015'
15. Total Depth 5000'	16. Plug Back T.D. 4754'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0-5000'	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name GRAYBURG-SAN ANDRES 4491'- 4738'				20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run GR-DLL-MSFL, GR-CNL-LDT				22. Was Well Cored NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	36#	1550'	12 1/4	CL H 800 SX CIR. 78	
7	26#	5000'	8 3/4	CL H 1030 SX CIR. 40	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	4705'	

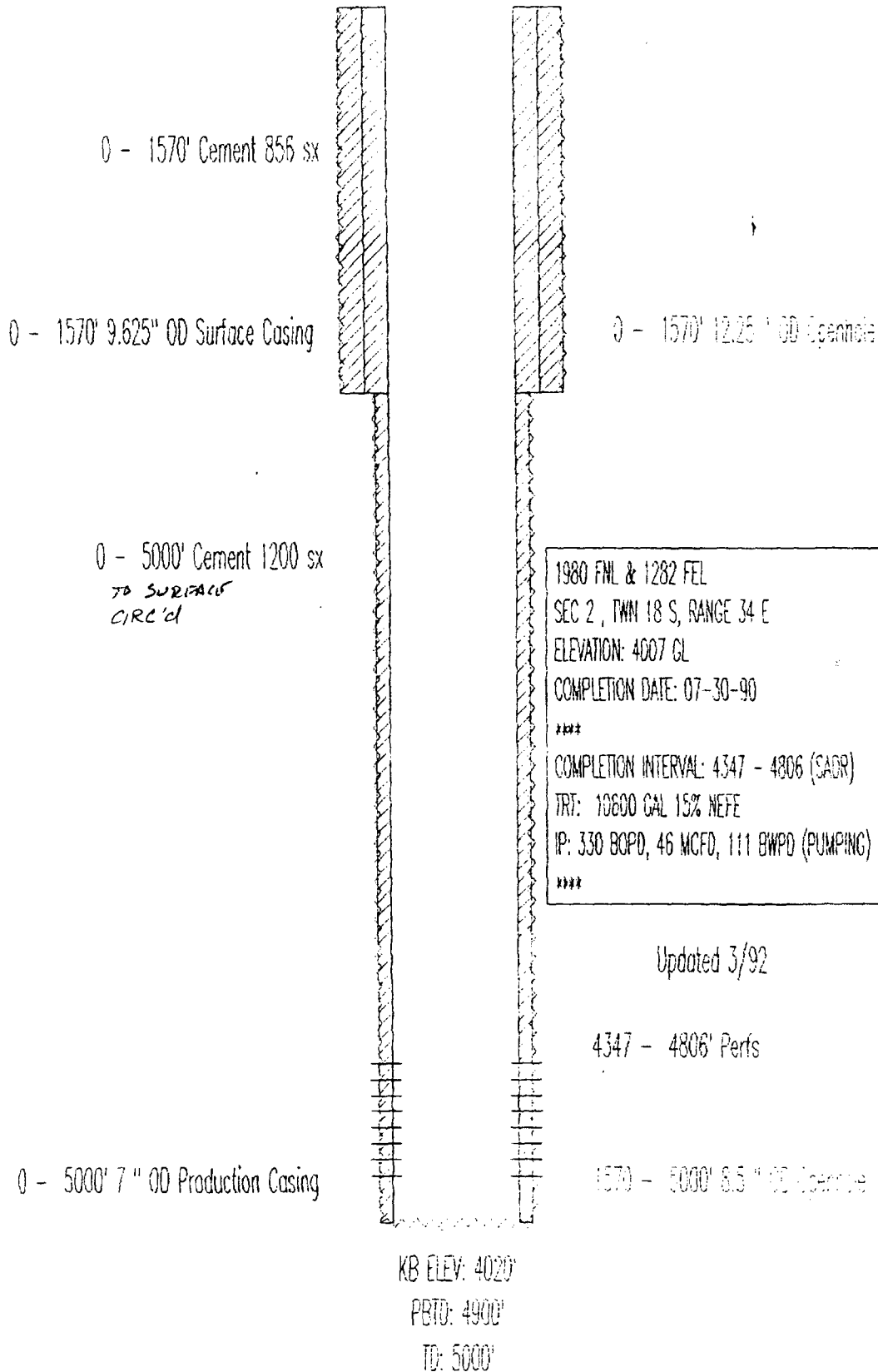
26. Perforation record (interval, size, and number) 4491' - 4738' 352 HOLES, 2 JSPF	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 4491'- 4738' AMOUNT AND KIND MATERIAL USED ACID - 13,020 GAL, 28% NEFE ACID - 8,000 GAL, 20% NEFE
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PRODUCTION

28. Date First Production 03-04-90		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMP - 2 1/2 X 1 3/4 X 22				Well Status (Prod. or Shut-in) PROD.	
Date of Test 04-05-90	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 71	Gas - MCF 53	Water - Bbl. 2	Gas - Oil Ratio 746
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 39.3	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD						Test Witnessed By MIKE ELMORE	

30. List Attachments DEVIATION SURVEY			
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief			
Signature C. P. BASHAM	Printed Name C.P. BASHAM	Title DRLG. SUPT.	Date 04-17-90

TEXACO PROD
VACUUM (GRAYBURG-SA) NO. 139
API# 30025307550000



Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-105
Revised 1-1-89

WELL AP NO.
30-025-30758

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
857948

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

7. Lease Name or Unit Agreement Name
VACUUM GRAYBURG SAN ANDRES UNIT

8. Well No.
140

9. Pool name or Wildcat
VACUUM GRAYBURG SAN ANDRES

4. Well Location
Unit Letter H : 1980 Feet From The NORTH Line and 10 Feet From The EAST Line
Section 2 Township 18-S Range 34-E NMPM LEA County

10. Date Spudded
03-08-90

11. Date T.D. Reached
03-25-90

12. Date Compl. (Ready to Prod.)
04-12-90

13. Elevations (DF & RKB, RT, GR, etc.)
GR-4000, KB-4013

14. Elev. Casinghead
4000'

15. Total Depth
5000'

16. Plug Back T.D.
4900'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By
Rotary Tools
0-5000'

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name
GRAYBURG-SAN ANDRES 4378'-4792'

20. Was Directional Survey Made
YES

21. Type Electric and Other Logs Run
GR-DLL-MG-CAL, GR-SDL-DSN-CAL

22. Was Well Cored
YES

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	36#	1550'	12 1/4	CL-H 800 SX CIR. 95 SX	
7	26#	5000'	8 3/4	CL-H 1150 SX CIR. 231 SX	

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 7/8	4839'

26. Perforation record (interval, size, and number)		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4378' - 4724' 2 JSPF, 208 HOLES; 4754' - 4792' 2 JSPF, 38 HOLES		4378' - 4724'	ACID - 11,400 GAL, 28% NEFE
		4754' - 4792'	ACID - 2,700 GAL, 28% NEFE

PRODUCTION

28. Date First Production
04-03-90

Production Method (Flowing, gas lift, pumping - Size and type pump)
PUMPING - 2 1/2 X 1 3/4 X 22

Well Status (Prod. or Shut-in)
PROD.

Date of Test
04-22-90

Hours Tested
24

Choke Size

Prod'n For Test Period

Oil - Bbl.
96

Gas - MCF
88

Water - Bbl.
256

Gas - Oil Ratio
917

Flow Tubing Press.

Casing Pressure

Calculated 24-Hour Rate

Oil - Bbl.

Gas - MCF

Water - Bbl.

Oil Gravity - API - (Corr.)
39.3

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
SOLD

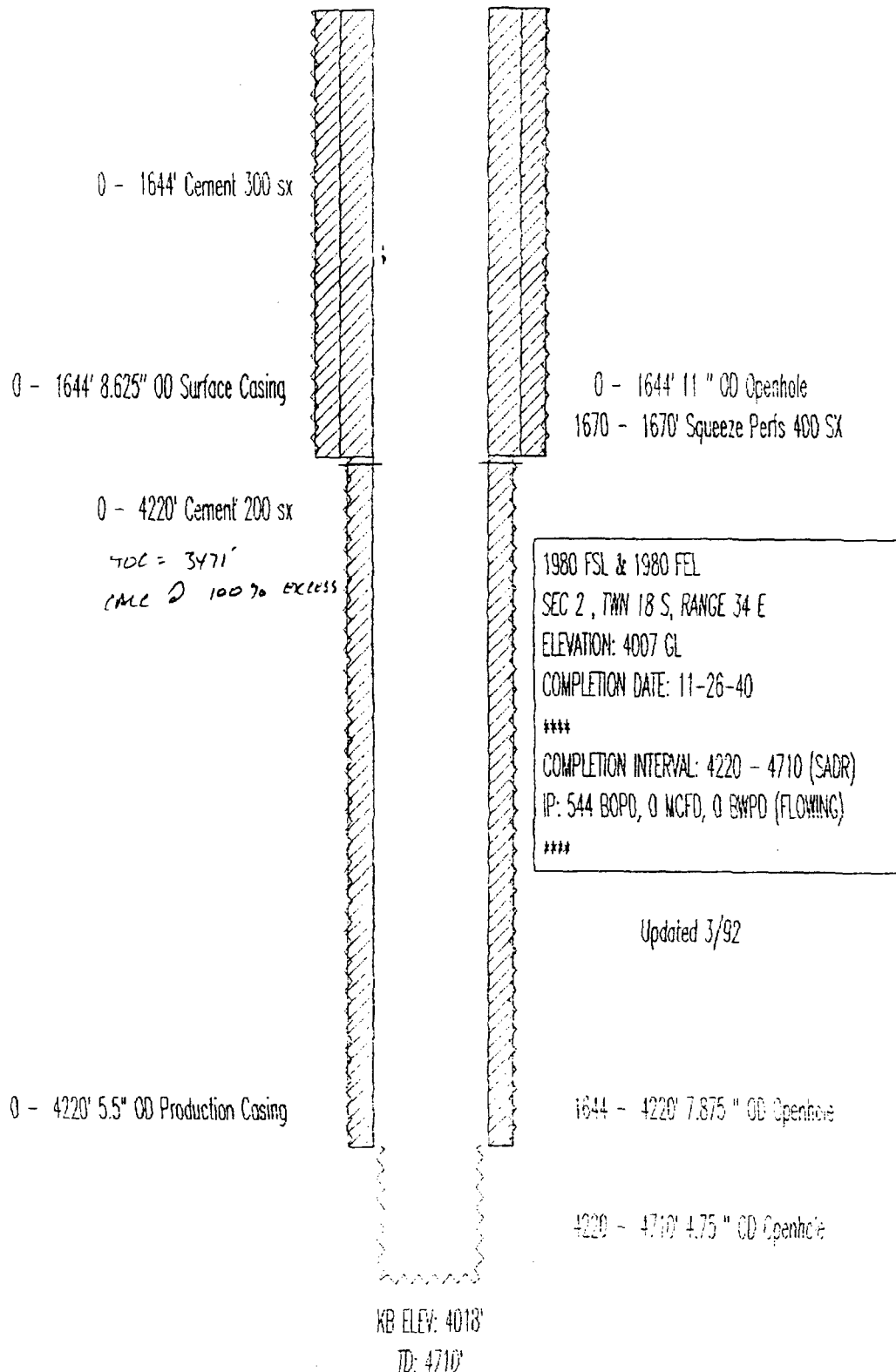
Test Witnessed By
TOM SEBASTIAN

30. List Attachments
DEVIATION SURVEY

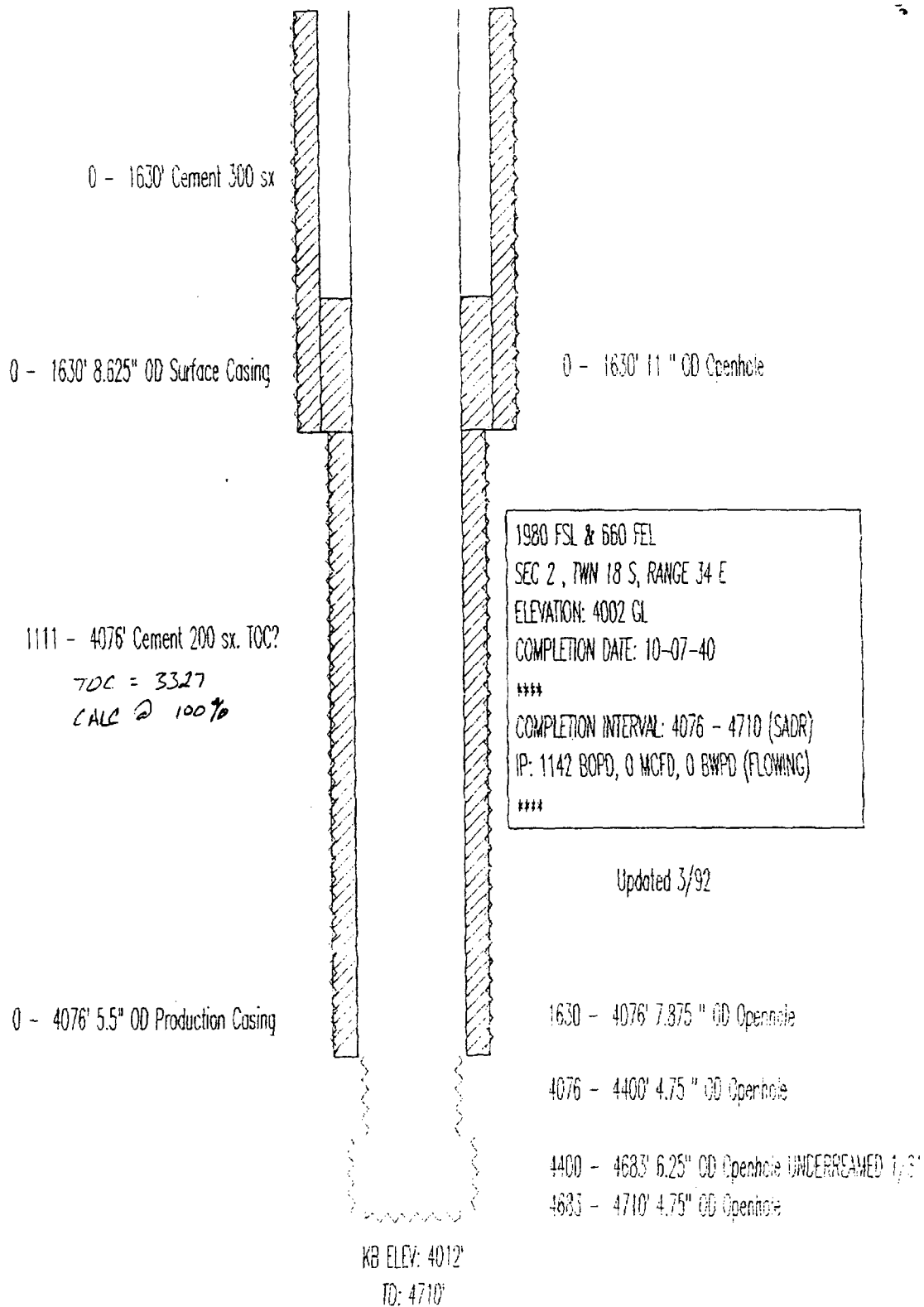
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C.P. Basham Printed Name C.P. BASHAM Title DRLG. SUPT. Date 04-30-90

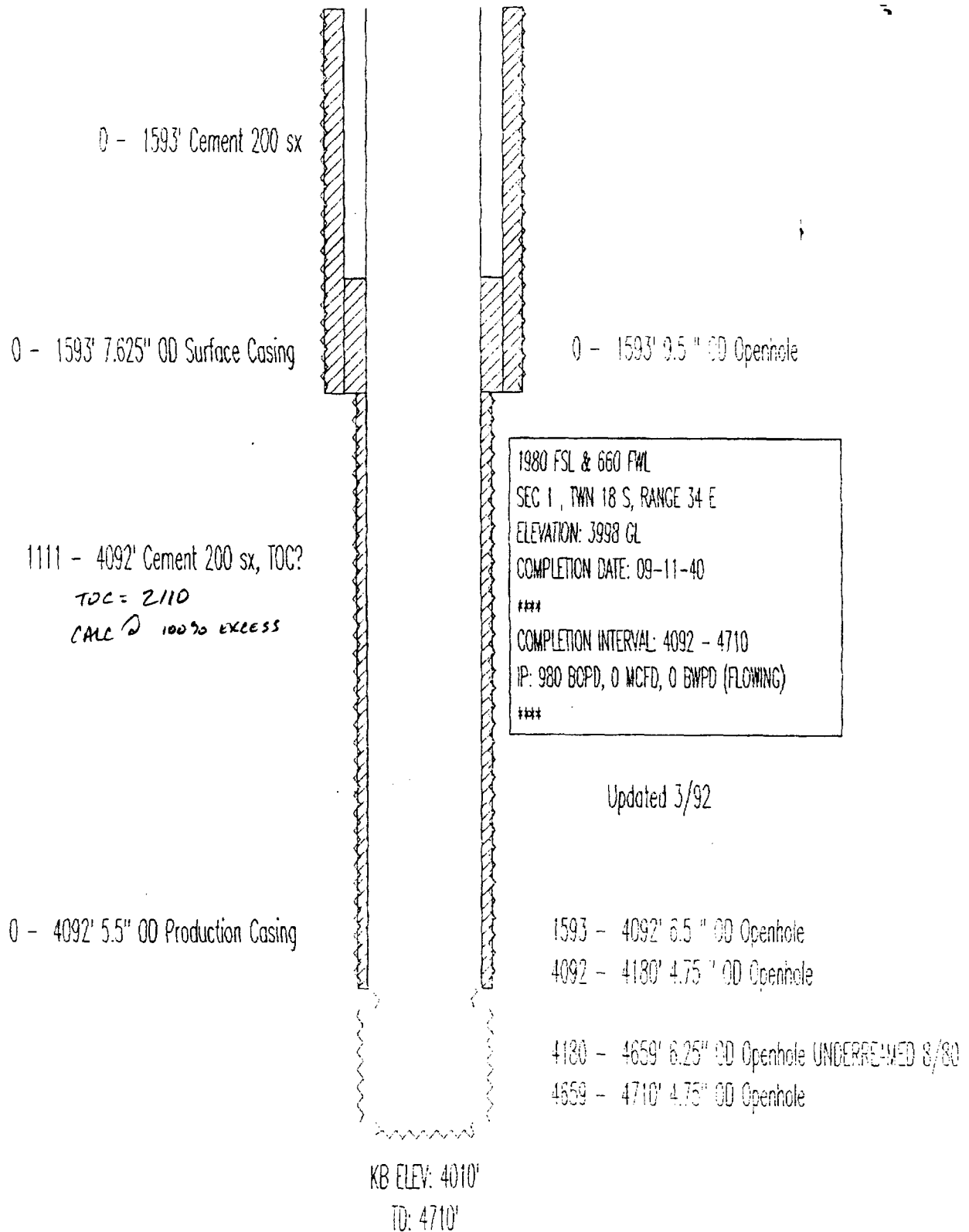
TEXACO INC
VACUUM GRBG-SADR UN NO. 23
API# 30025022720000



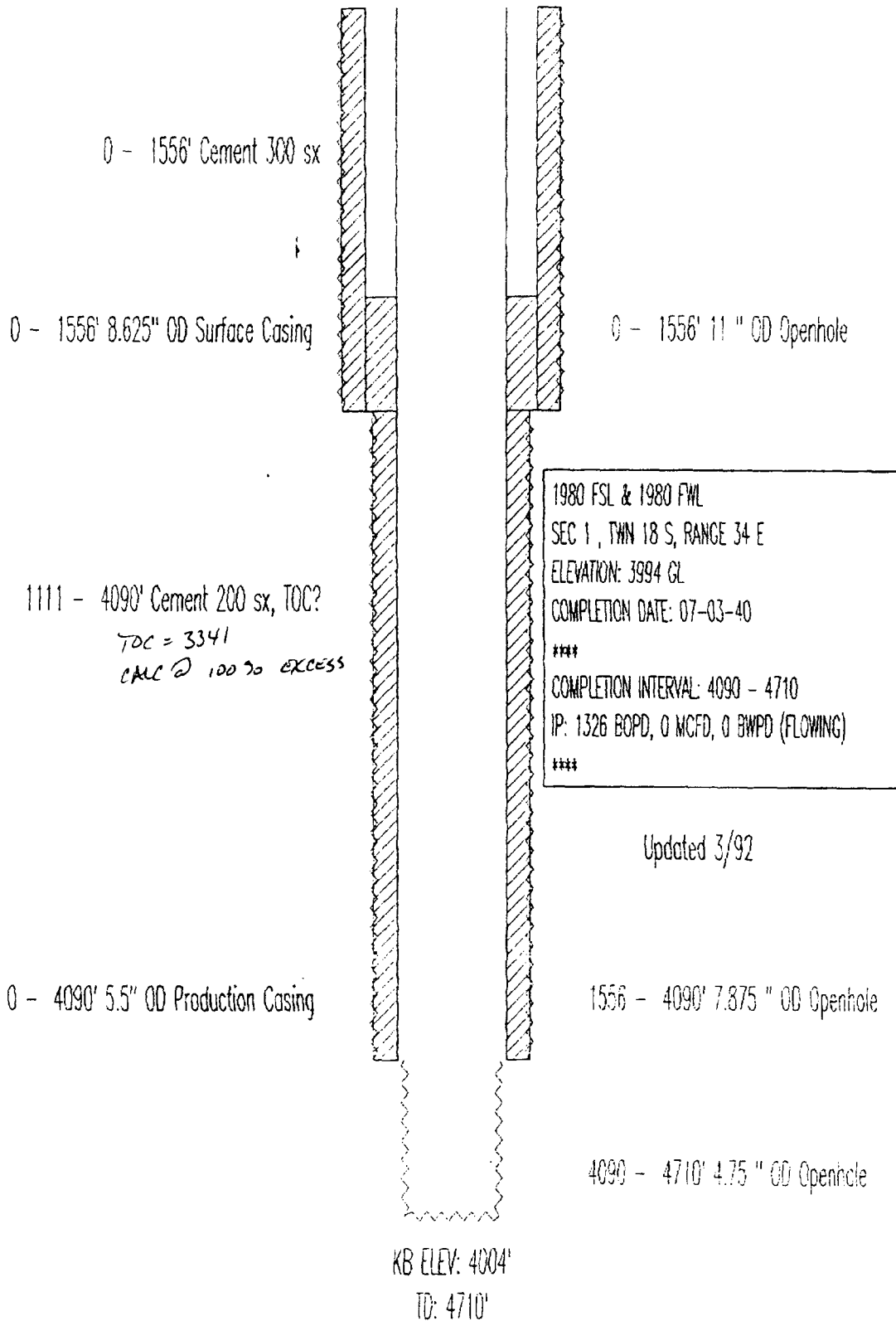
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VACUUM GRBG-SADR UN NO. 24
API# 30025022710000



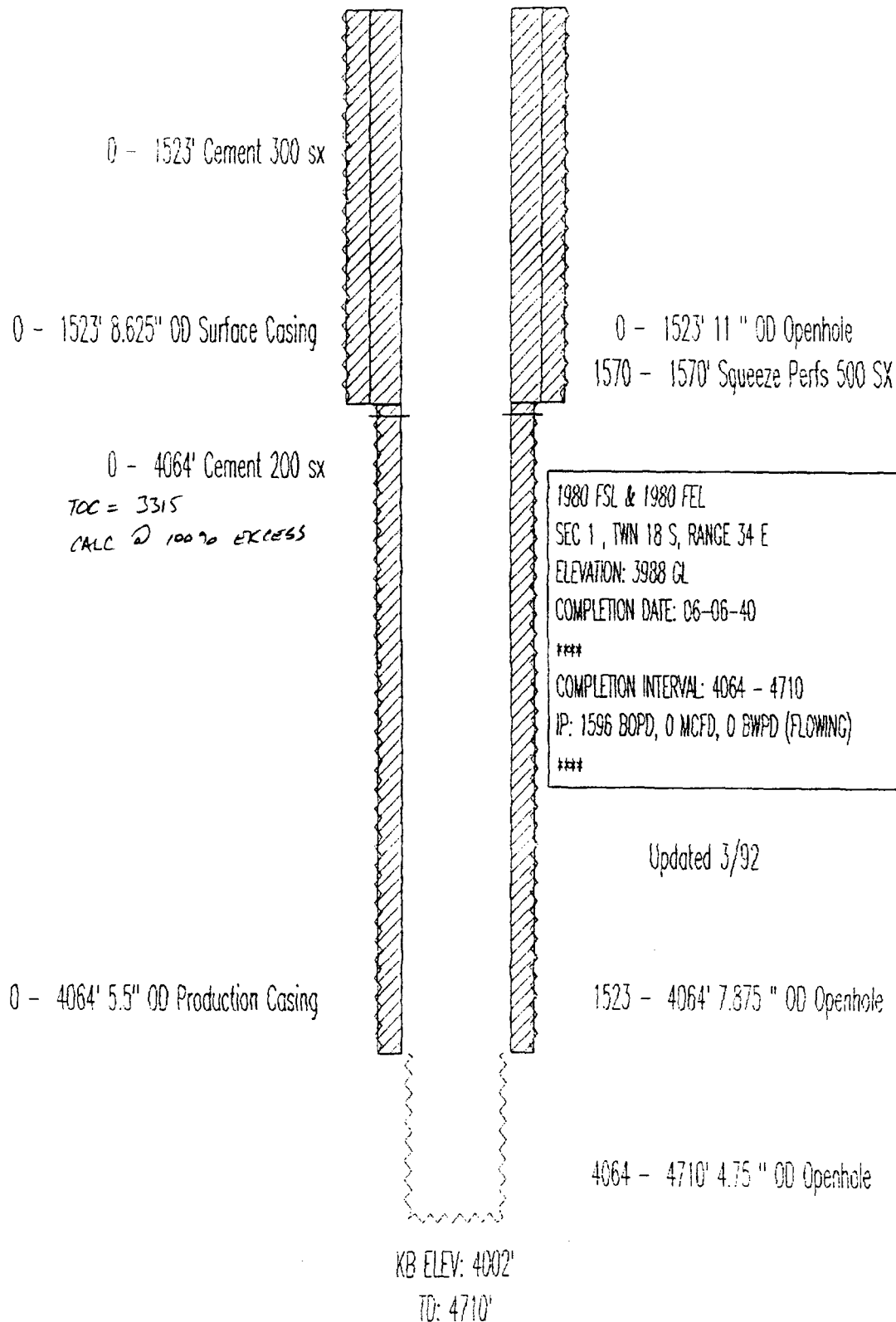
TEXACO INC
VACUUM GRBG-SADR UN NO. 25
API# 30025022560000



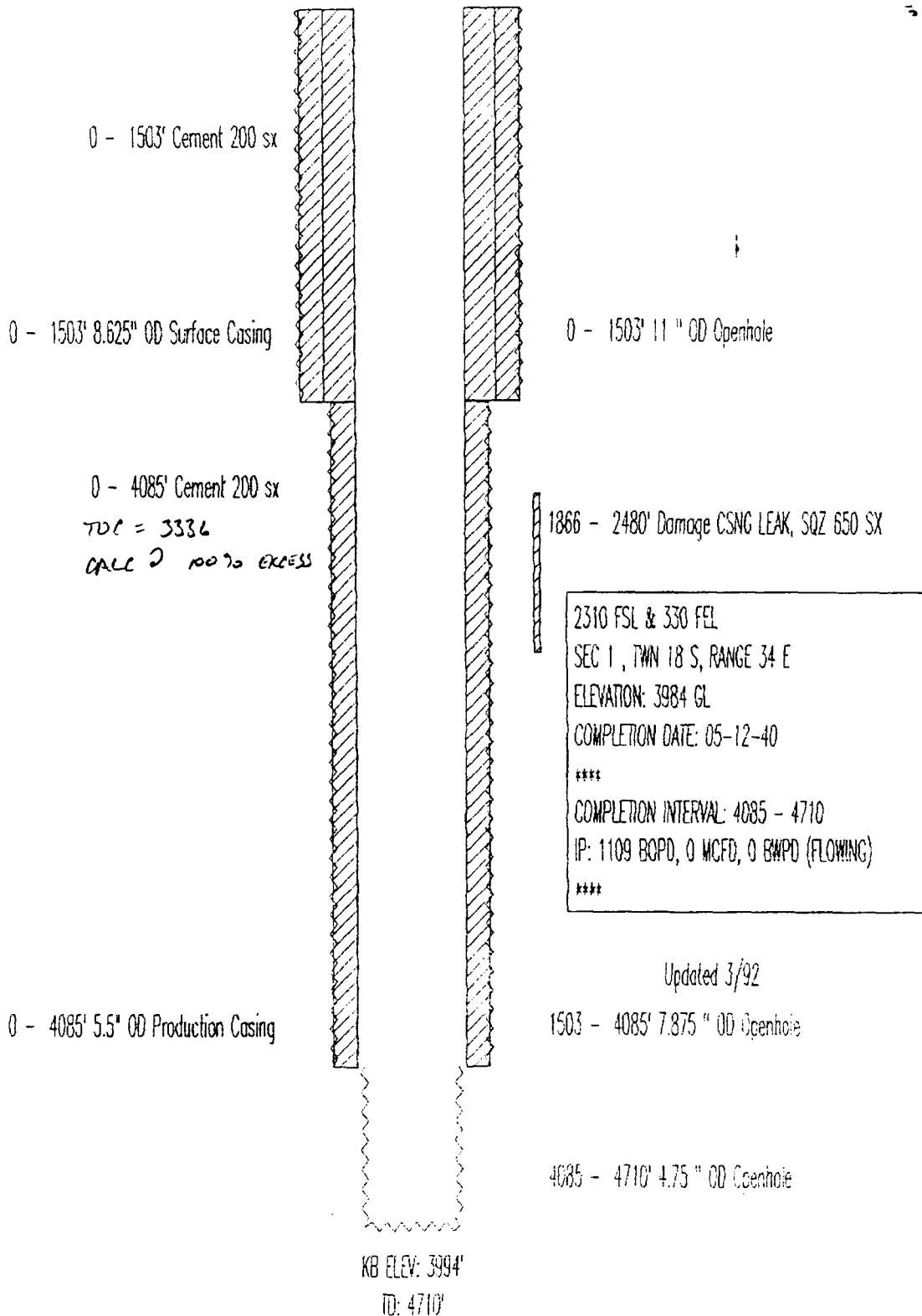
TEXACO INC
VACUUM GRBG-SADR UN NO. 26
API# 30025022550000



TEXACO INC
VACUUM GRBG-SADR UN NO. 27
API# 30025022540000



TEXACO INC
VACUUM GRBG-SADR-UN NO. 28
API# 30025022530000



TEXACO INC
VACUUM GRBC-SADR UN NO. W129
API# 30025243130000

0 - 350' Cement 235 sx
0 - 350' 8.625" OD Surface Casing

0 - 350' 11" OD Openhole

1111 - 4800' Cement 650 SX, TOC?
TOC = 2927
CALL 2 100% EXCESS

2630 FHL & 1310 FHL
SEC 2, T1N 18 S, RANGE 34 E
ELEVATION: 4017 GR
COMPLETION DATE: 01-14-73

COMPLETED AS INJECTOR 4528-4713
TRT: 6000 GAS 20% NEA
INITIAL INJ 500 BHPD @ V

Updated 3/92

4528 - 4713' Perfs

0 - 4800' 4.5" OD Production Casing

0 - 4800' 7.375" OD Openhole

KB ELEV: 4026'

PBTD: 4788'

TD: 4800'

TEXACO INC
VACUUM GRBG-SADR UN NO. 30
API# 30025243070000

0 - 354' Cement 300 sx
0 - 354' 8.625" OD Surface Casing

0 - 354' 11" OD Openhole

1111 - 4800' Cement 500 sx, TOC ?
TOC = 2908
CALC @ 100% EXCESS

2630 FSL & 2630 FWL
SEC 2, TWN 18 S, RANGE 34 E
ELEVATION: 4012 GR
COMPLETION DATE: 01-31-73

COMPLETION INTERVAL: 4443 - 4740 (GESA)
TRT: 8000 GALS ACID (4443 - 4740)
IP: 144 BOPD, 0 MCFD, 7 BWPD (PUMPING)

CONVERT TO INJECTION 9/4/82, 100 BWPD @ V

Updated 3/92

4443 - 4740' Peris

0 - 4800' 5.5" OD Production Casing

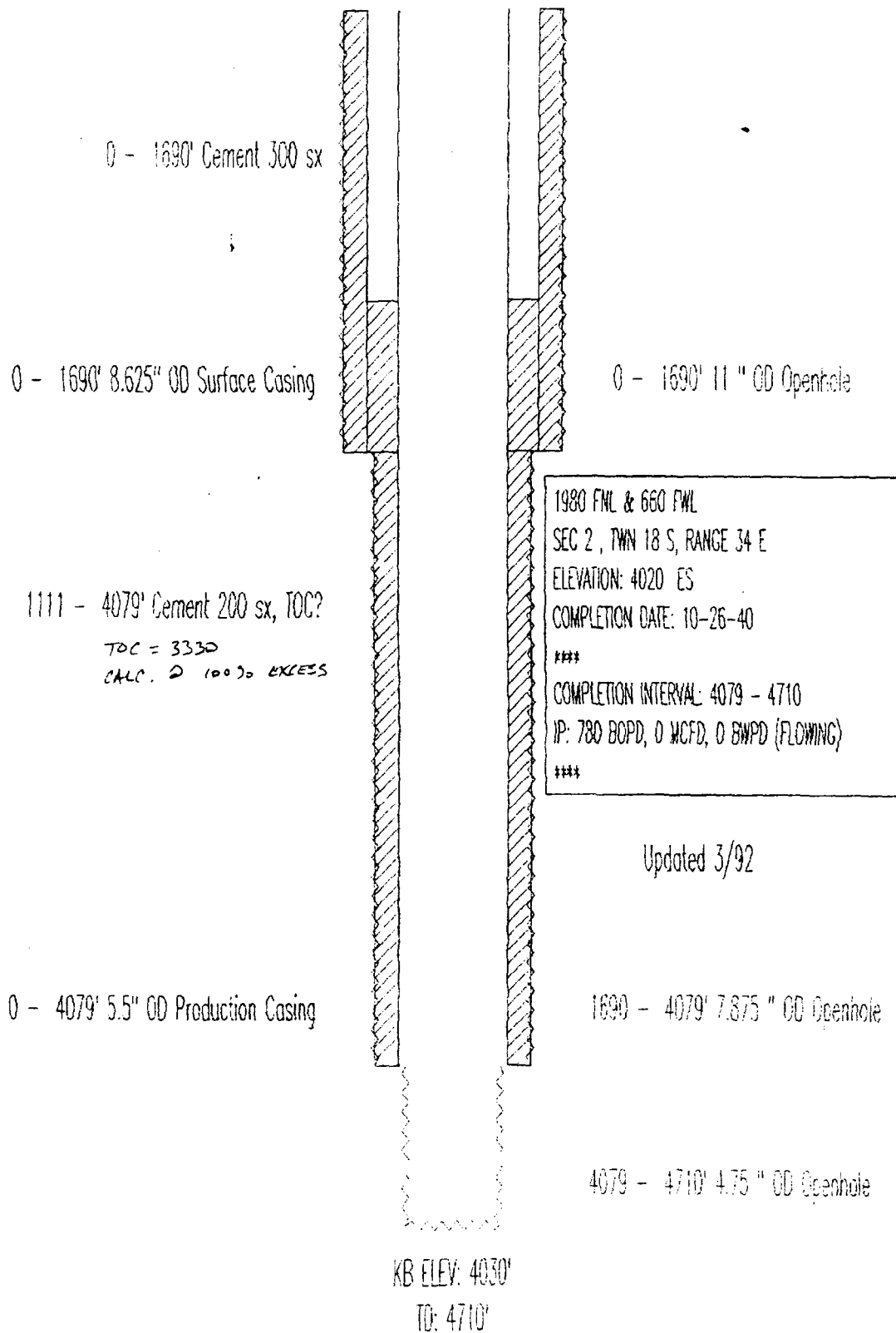
0 - 4800' 7.675" OD Openhole

KB ELEV: 4025'

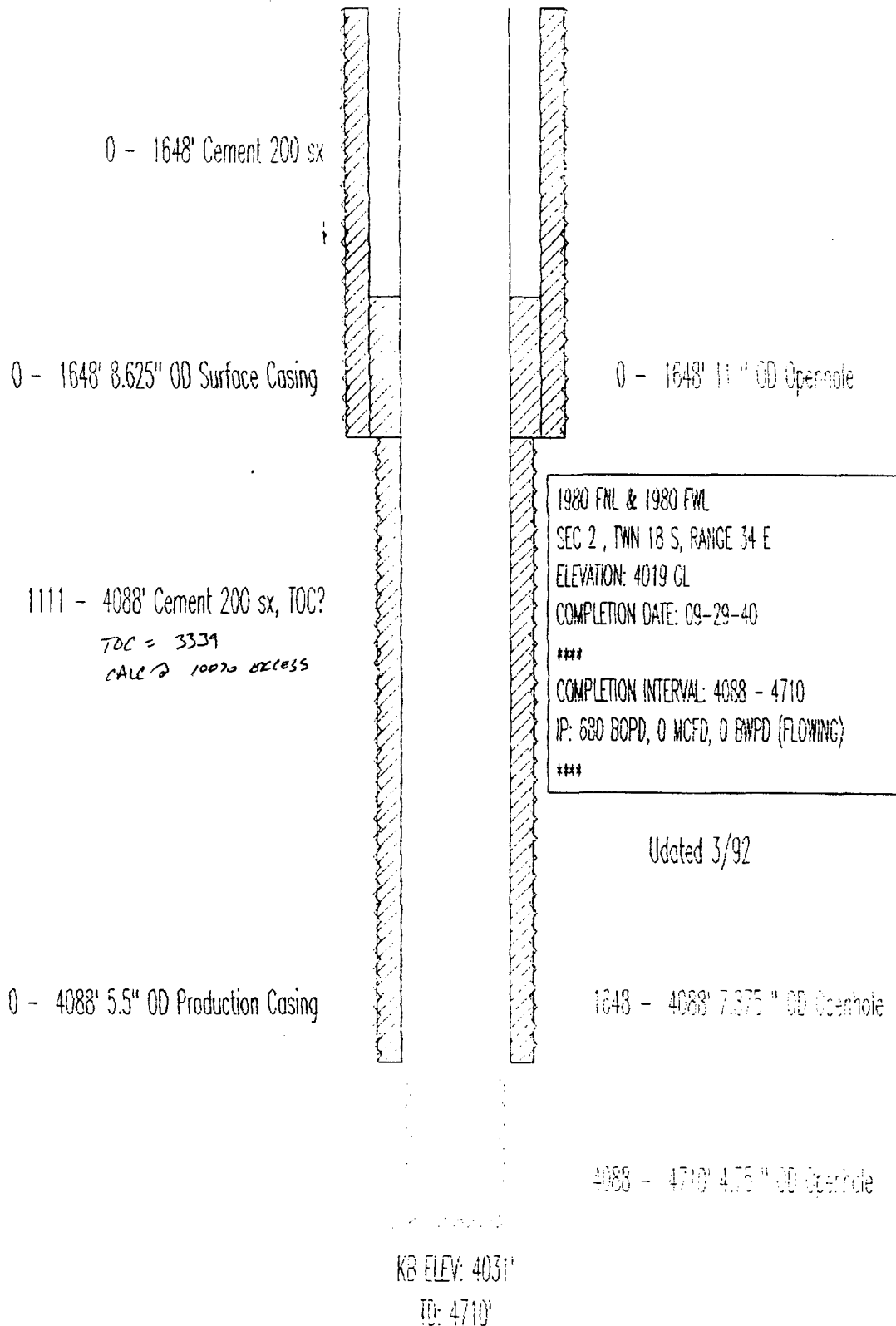
PBTD: 4788'

TD: 4800'

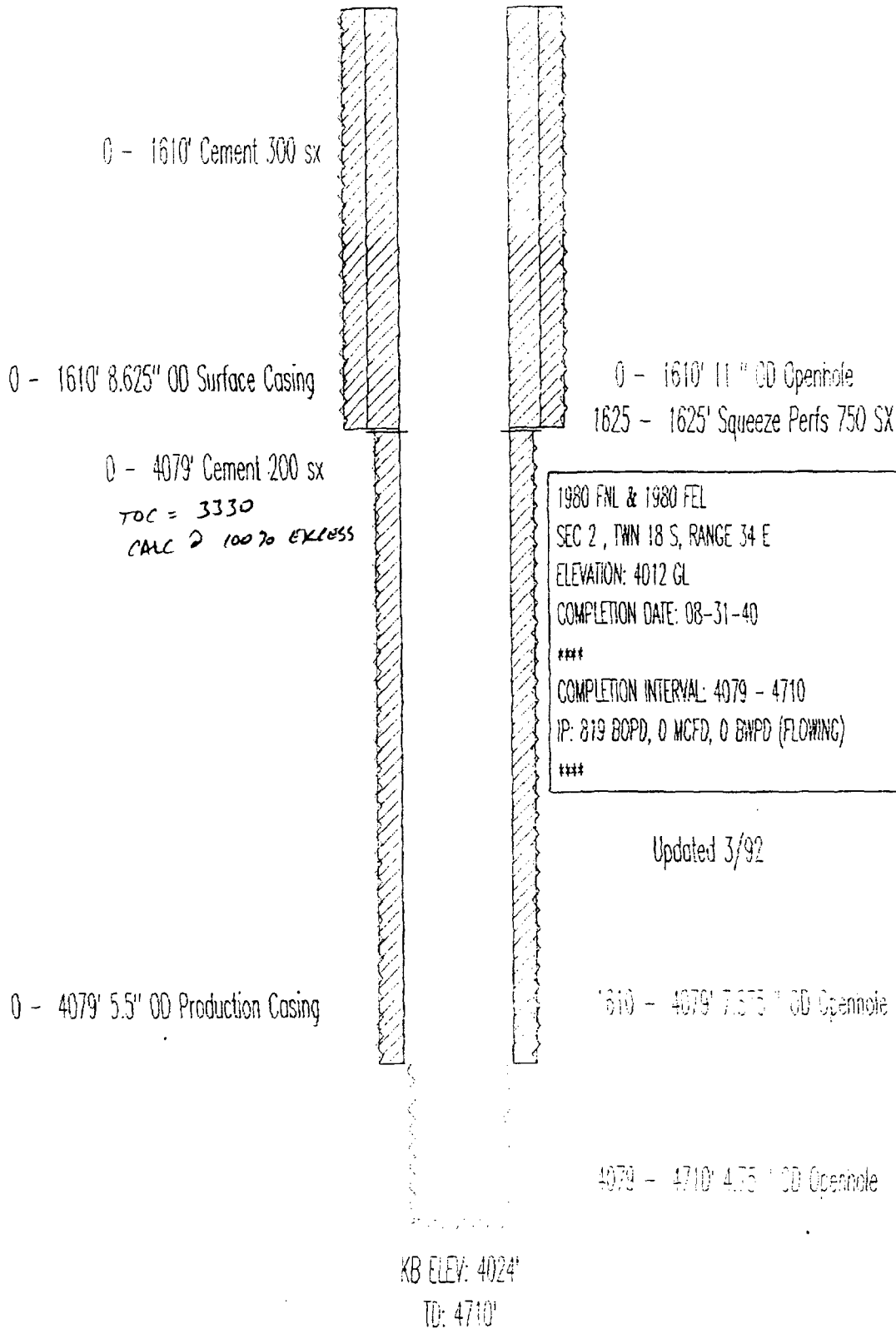
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VACUUM GRBG-SADR UN NO. 36
API# 30025022690000



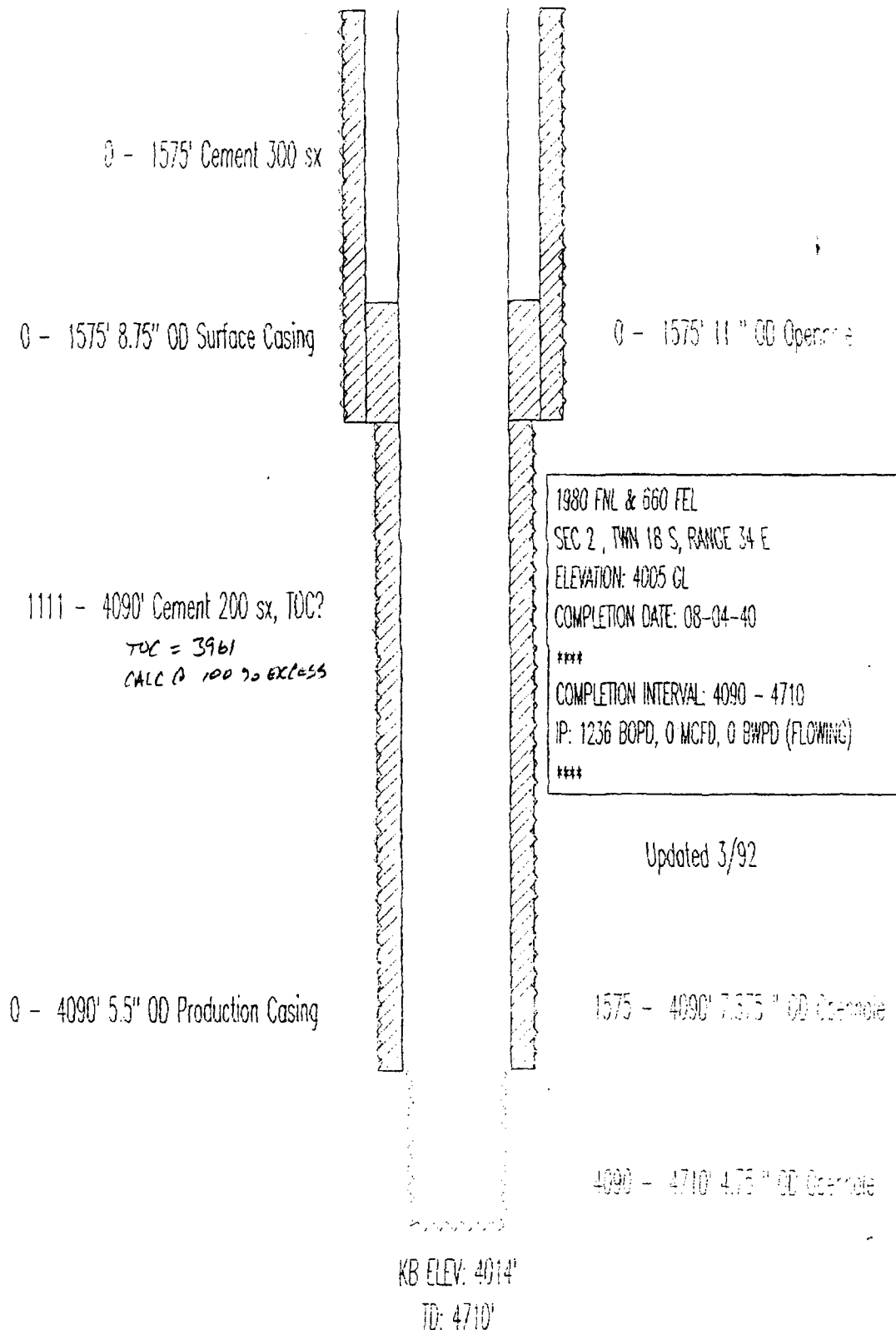
TEXACO INC
VACUUM GRBG-SADR UN NO. 37
API# 30025022680000



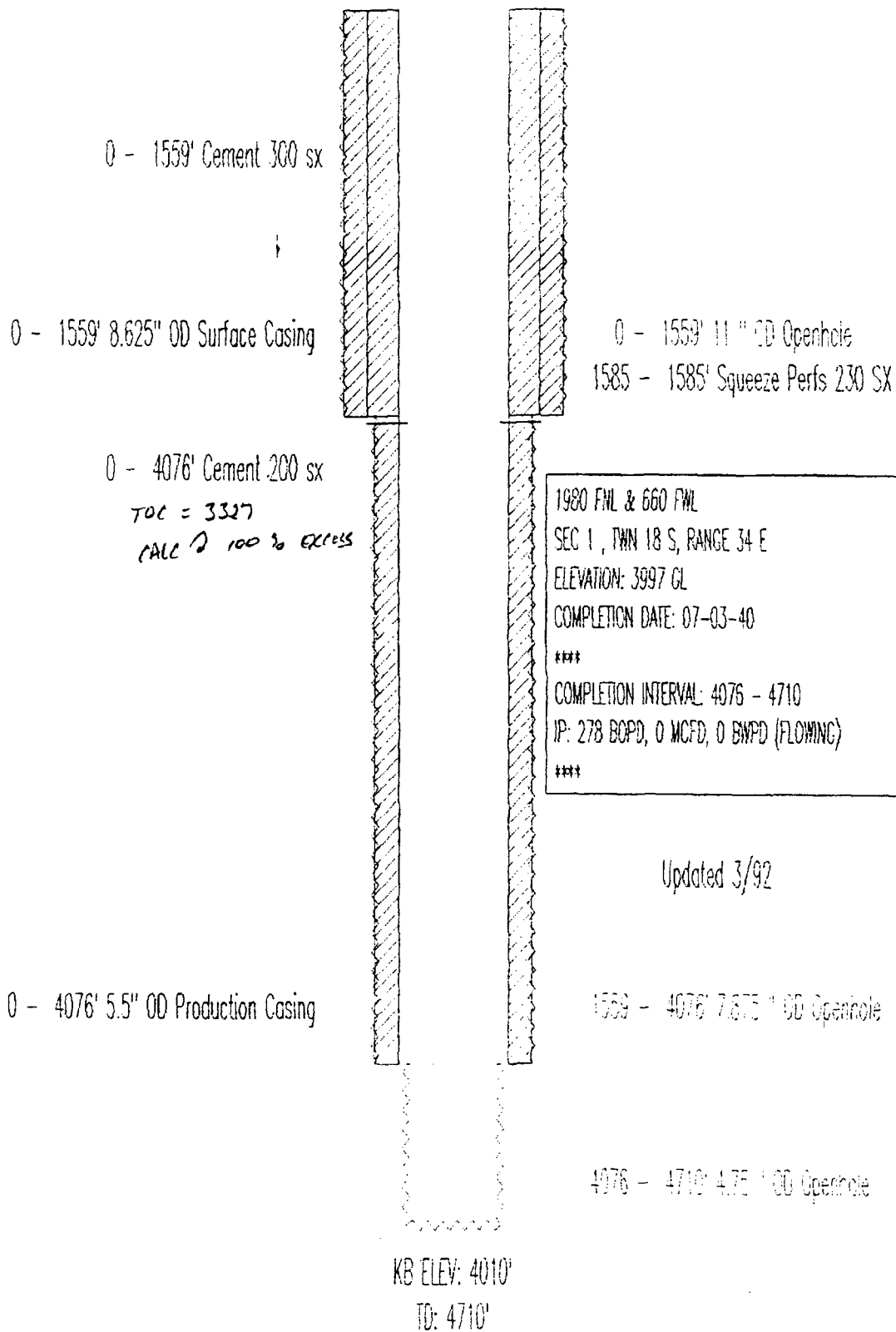
TEXACO INC
VACUUM CRBG-SADR UN NO. 38
API# 30025022650000



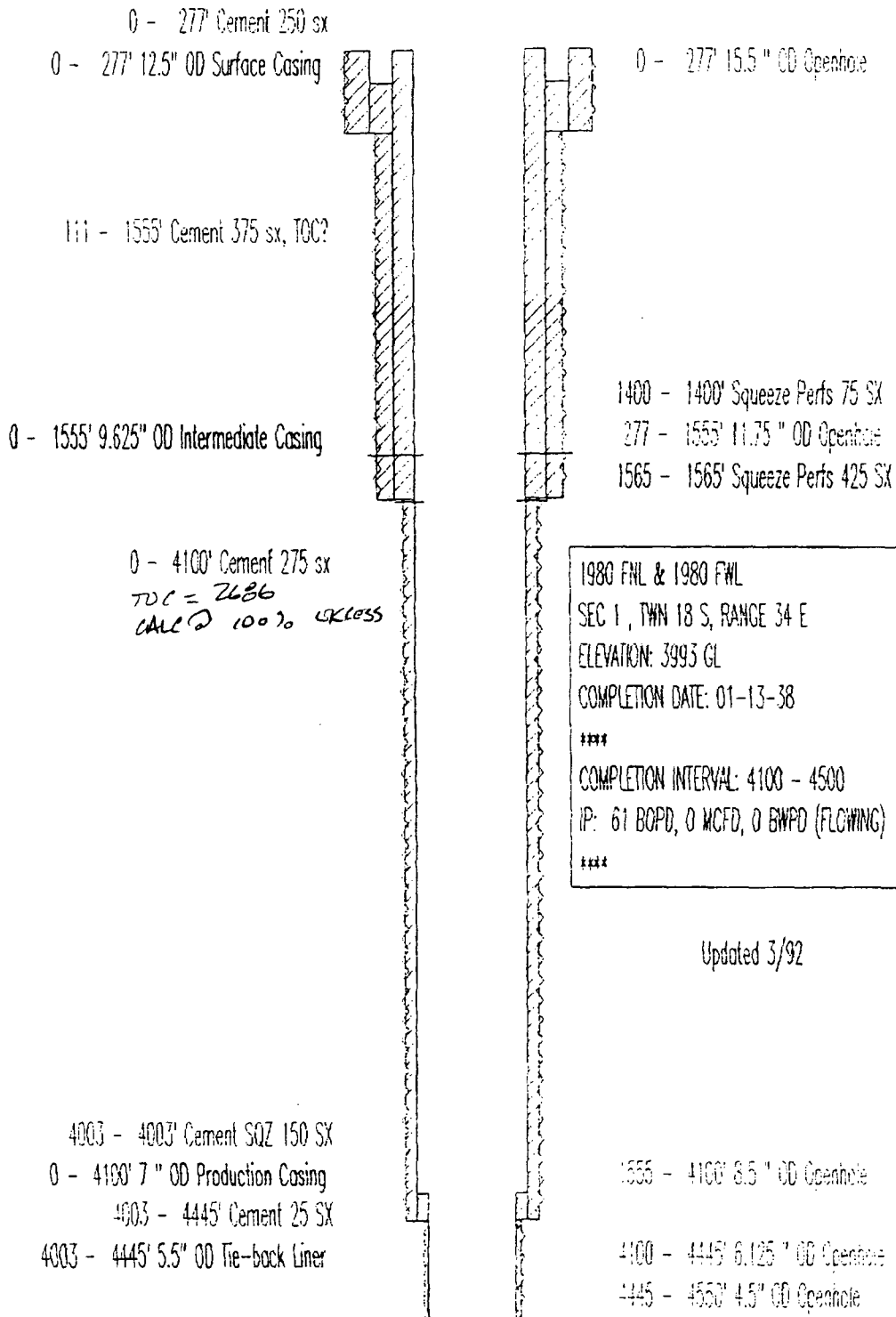
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VACUUM GRBG-SADR UN NO. 39
API# 30025022640000



TEXACO INC
VACUUM GRBG-SADR UN NO. 40
API# 30025022520000

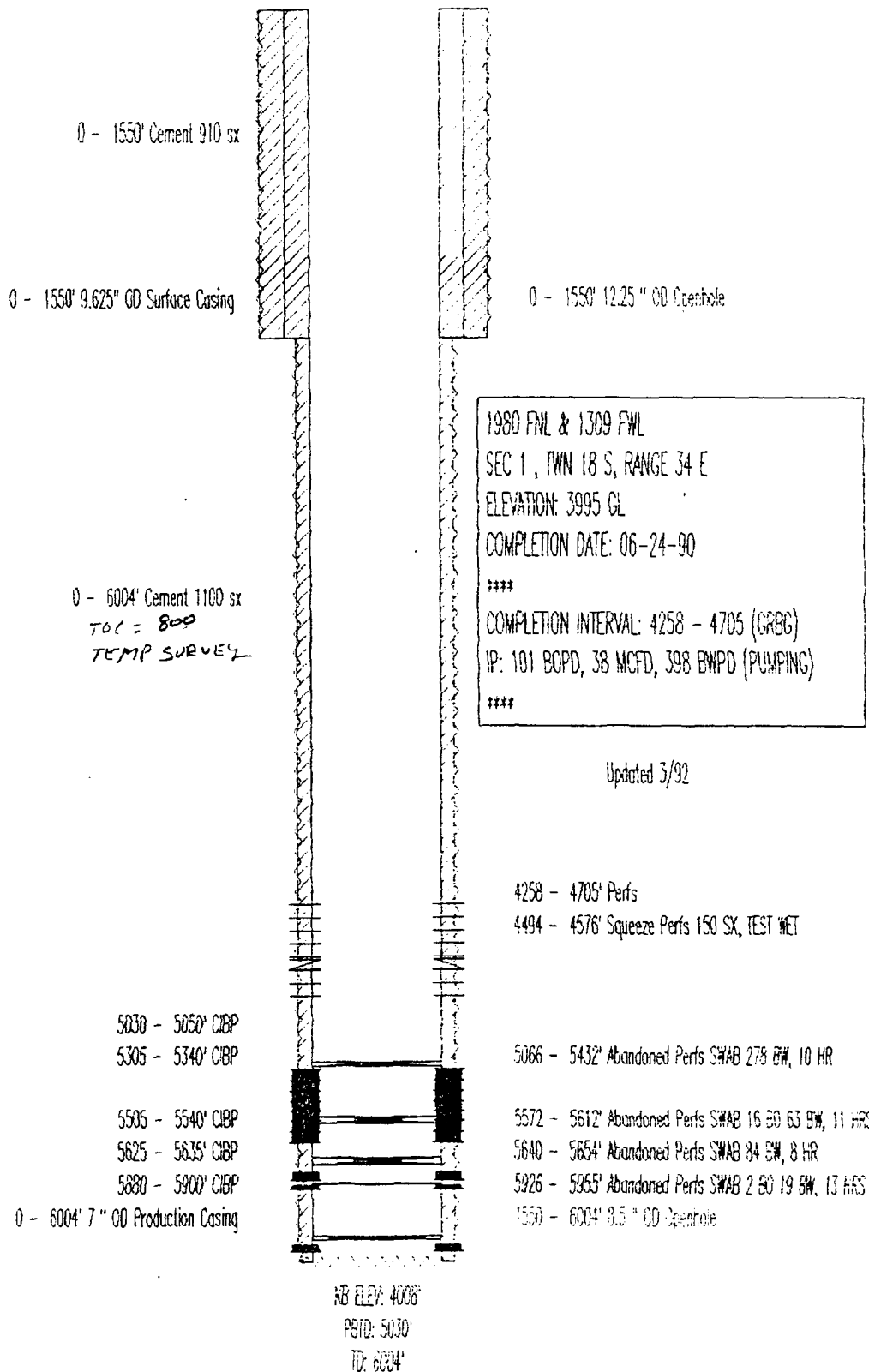


TEXACO INC
VACUUM GREB-SADR UN NO. 41
API# 30025022490000



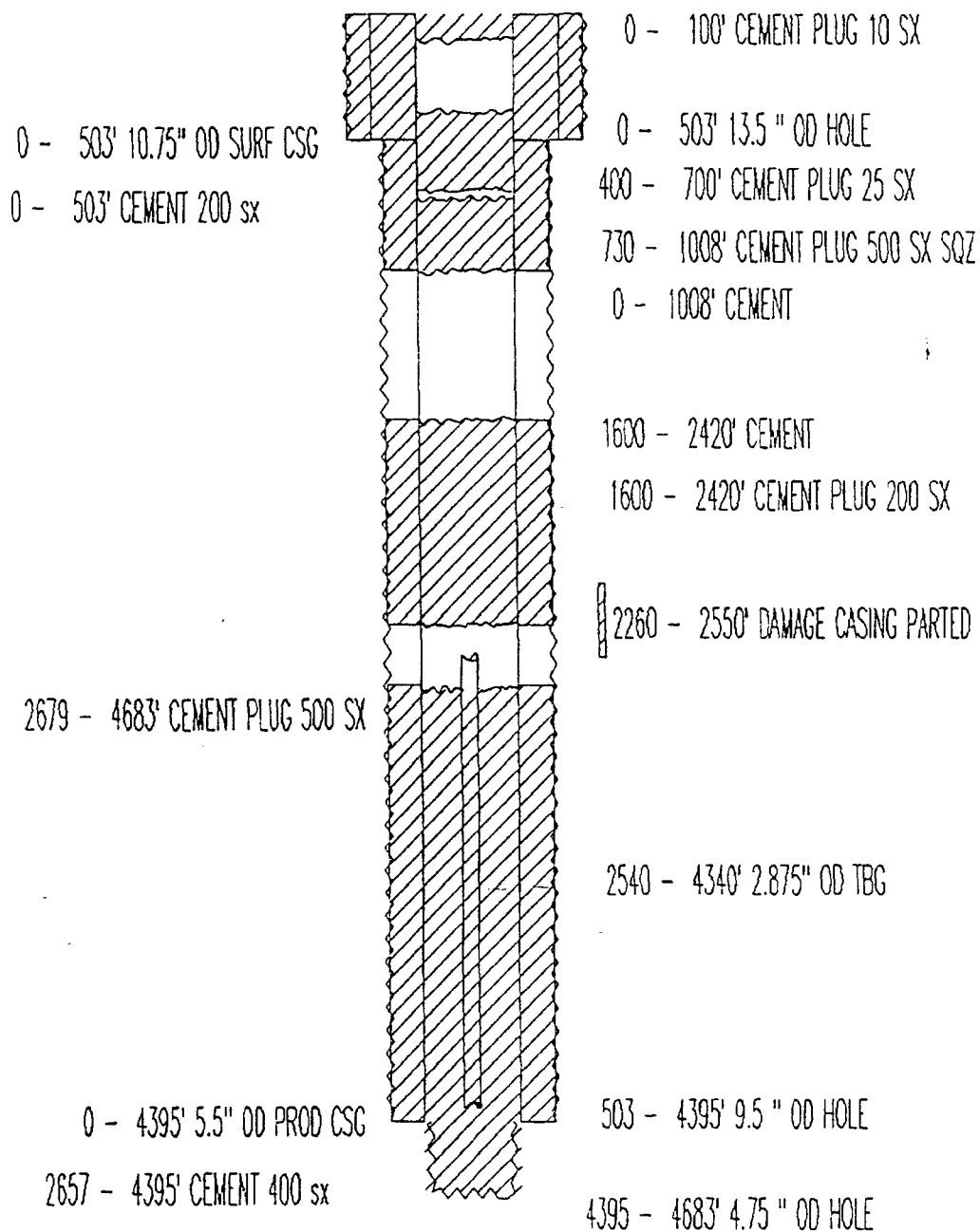
KB ELEV: 4004'
TD: 4710'

TEXACO INC
 VACUUM (GRAYBURG-SA) NO. 141
 API# 30025307970000



P&A: 6-02-80

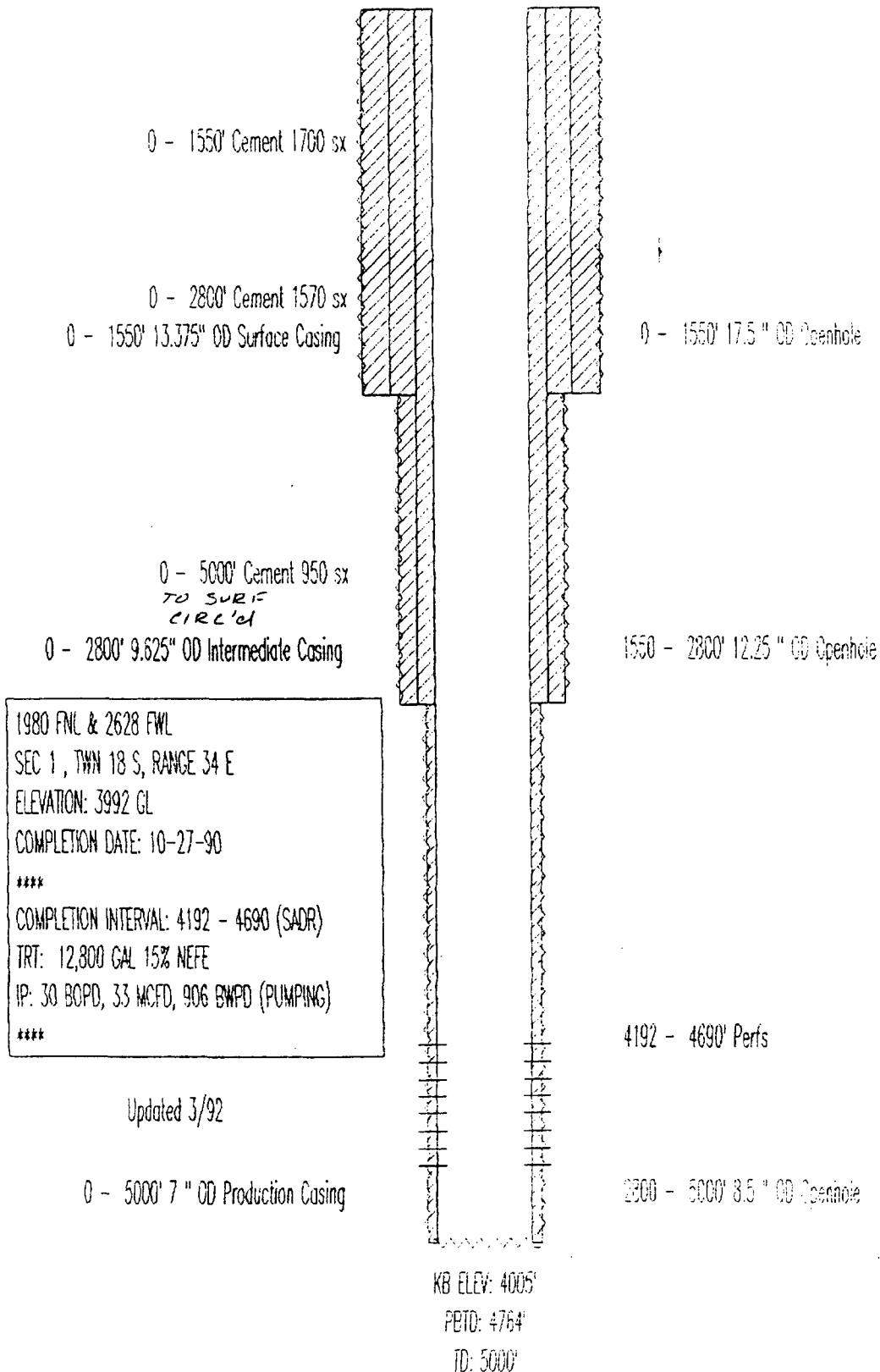
TEXACO E&P INC.
CENTRAL VACUUM UNIT No. 119
API# 30025030810000



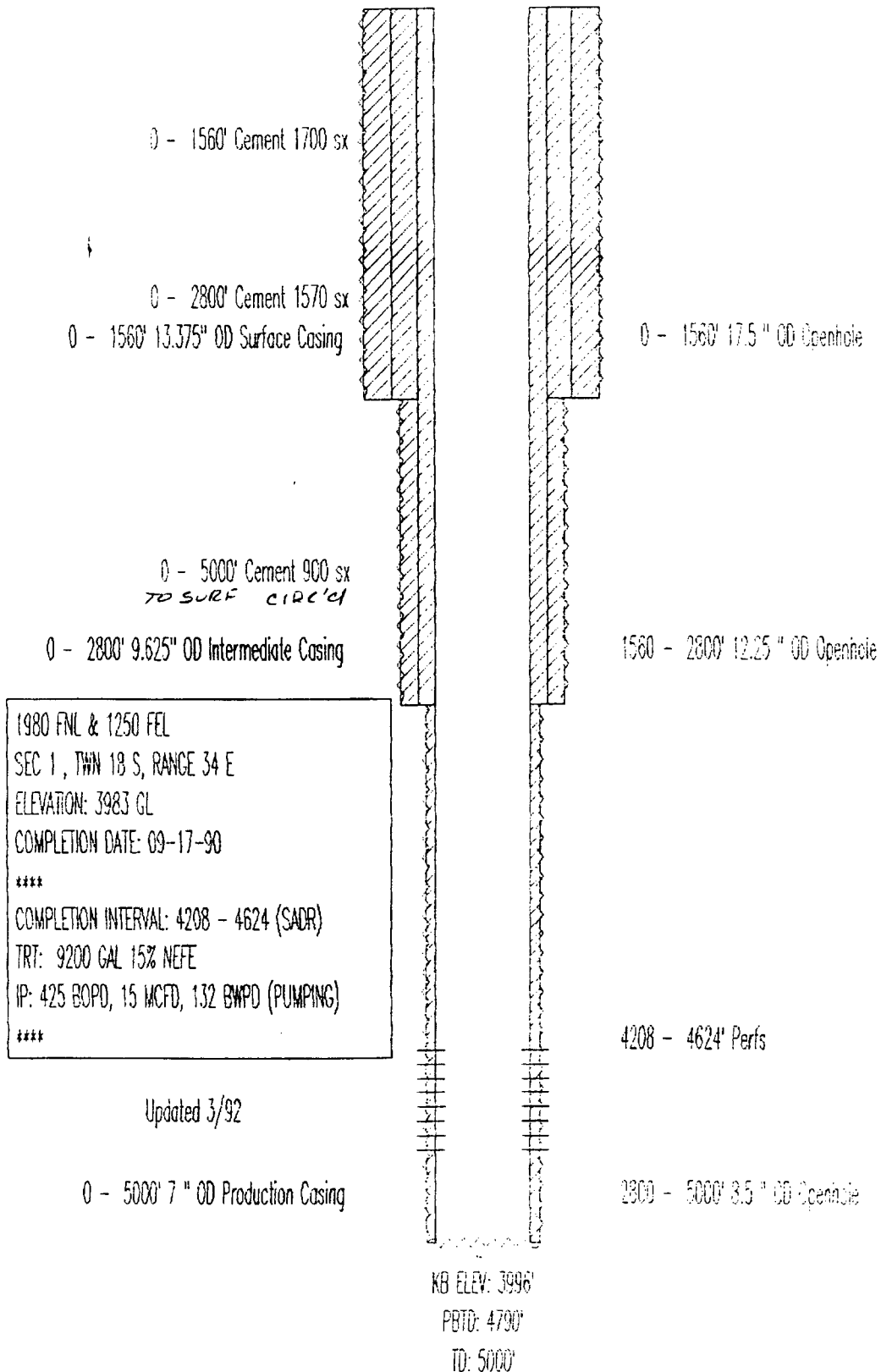
660 FSL & 660 FWL
SEC 6 , T4N 18 S, RANGE 35 E
ELEVATION: 3992 ES
COMPLETION DATE: 00-25-44

COMPLETION INTERVAL: 4395 - 4683
Former Marathon Worn State A/C-2 /7

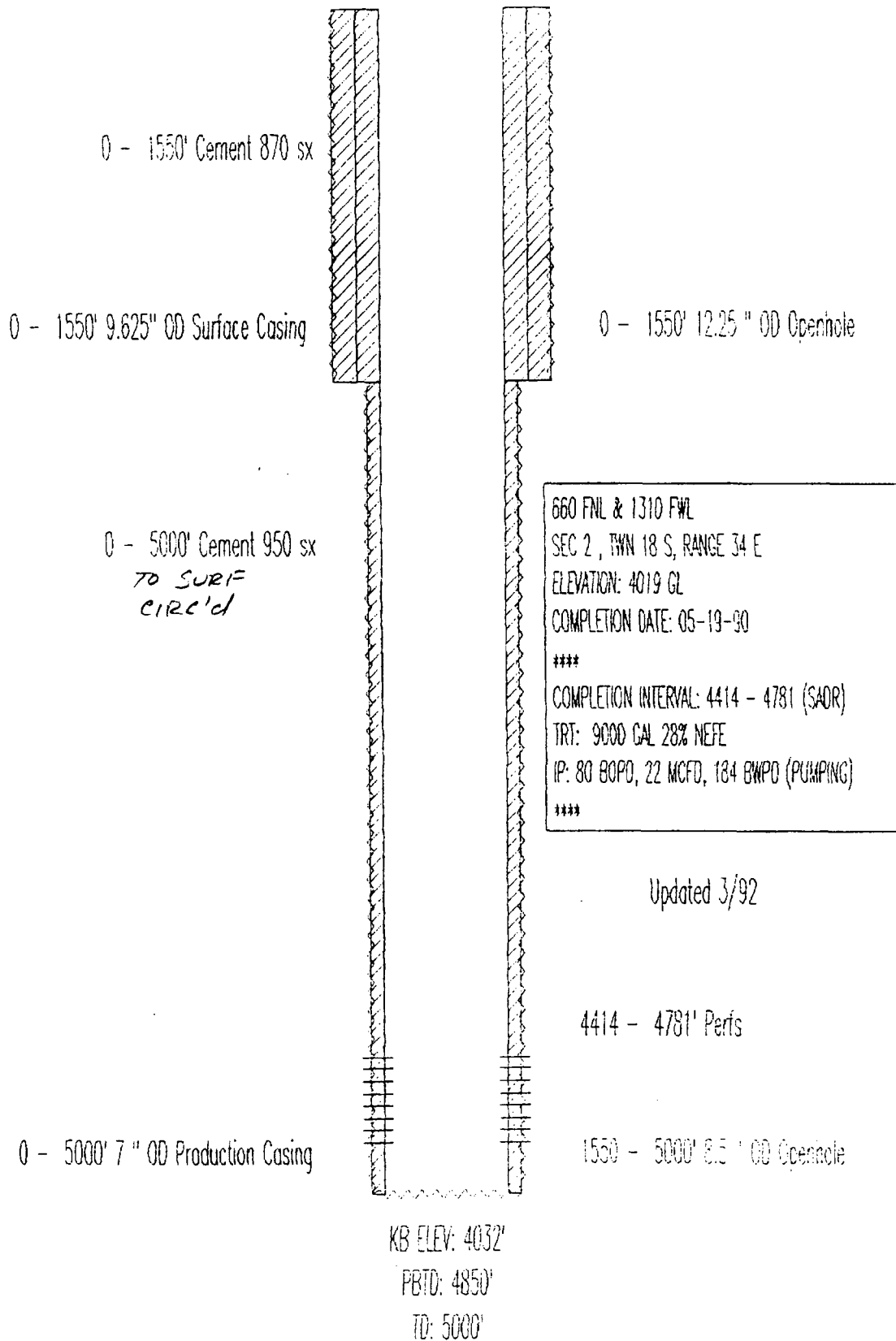
TEXACO INC
VACUUM (GRAYBURG-SA) NO. 142
API# 30025308430000



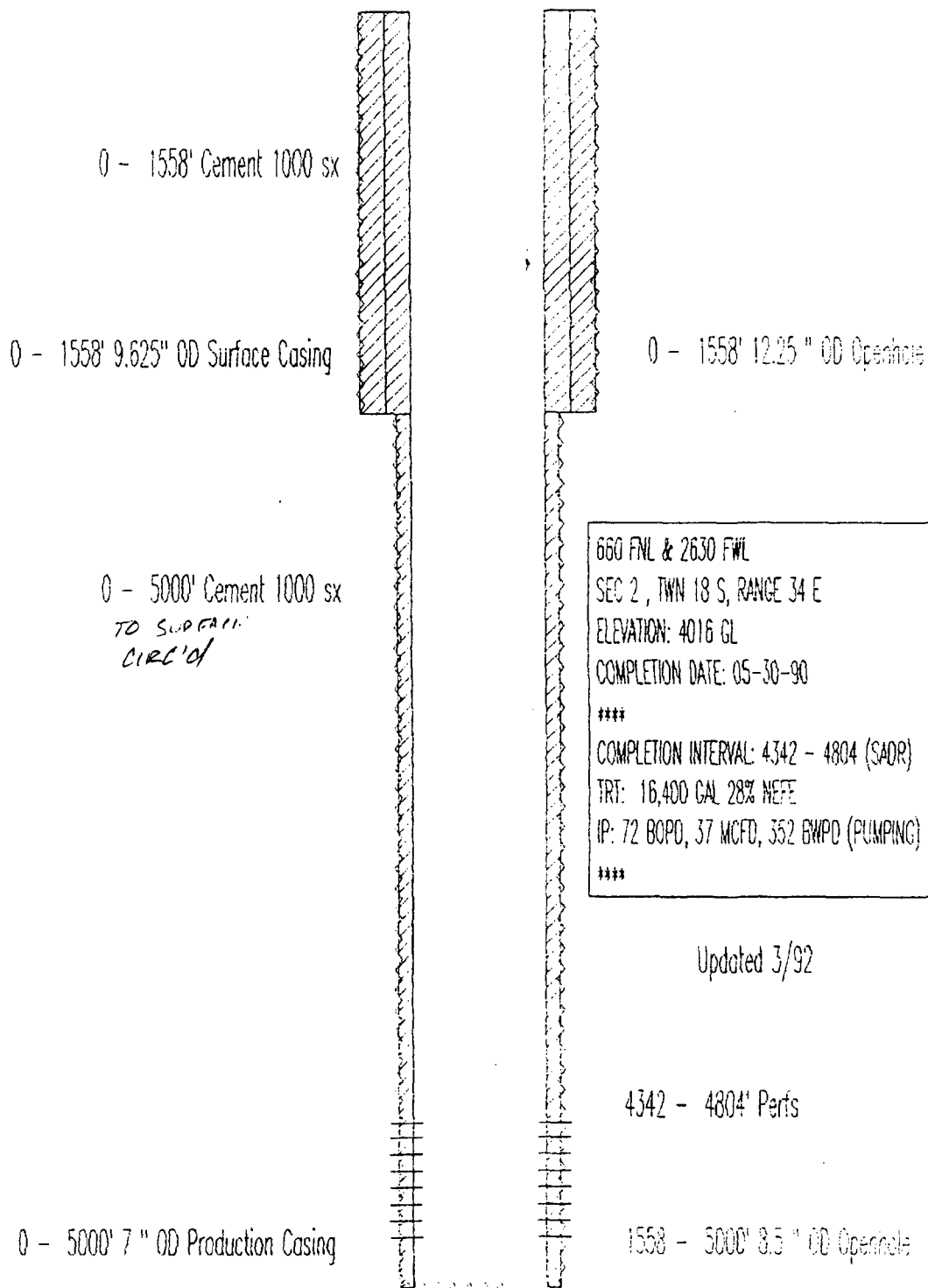
TEXACO INC
 VACUUM (GRAYBURG-SA) NO. 143
 API# 30025308440000



TEXACO INC.
VACUUM (GRAYBURG-SA) NO. 152
API# 30025308030000



TEXACO INC
VACUUM (GRAYBURG-SA) NO. 153
API# 30025308020000



0 - 1558' Cement 1000 sx

0 - 1558' 9.625" OD Surface Casing

0 - 1558' 12.25" OD Openhole

0 - 5000' Cement 1000 sx
TO SURFACE
CIRC'D

660 FNL & 2630 FNL

SEC 2, TWN 18 S, RANGE 34 E

ELEVATION: 4016 GL

COMPLETION DATE: 05-30-90

COMPLETION INTERVAL: 4342 - 4804 (SADR)

TRT: 16,400 GAL 28% NEFE

IP: 72 BOPD, 37 MCFD, 352 BHPD (PUMPING)

Updated 3/92

4342 - 4804' Perfs

0 - 5000' 7" OD Production Casing

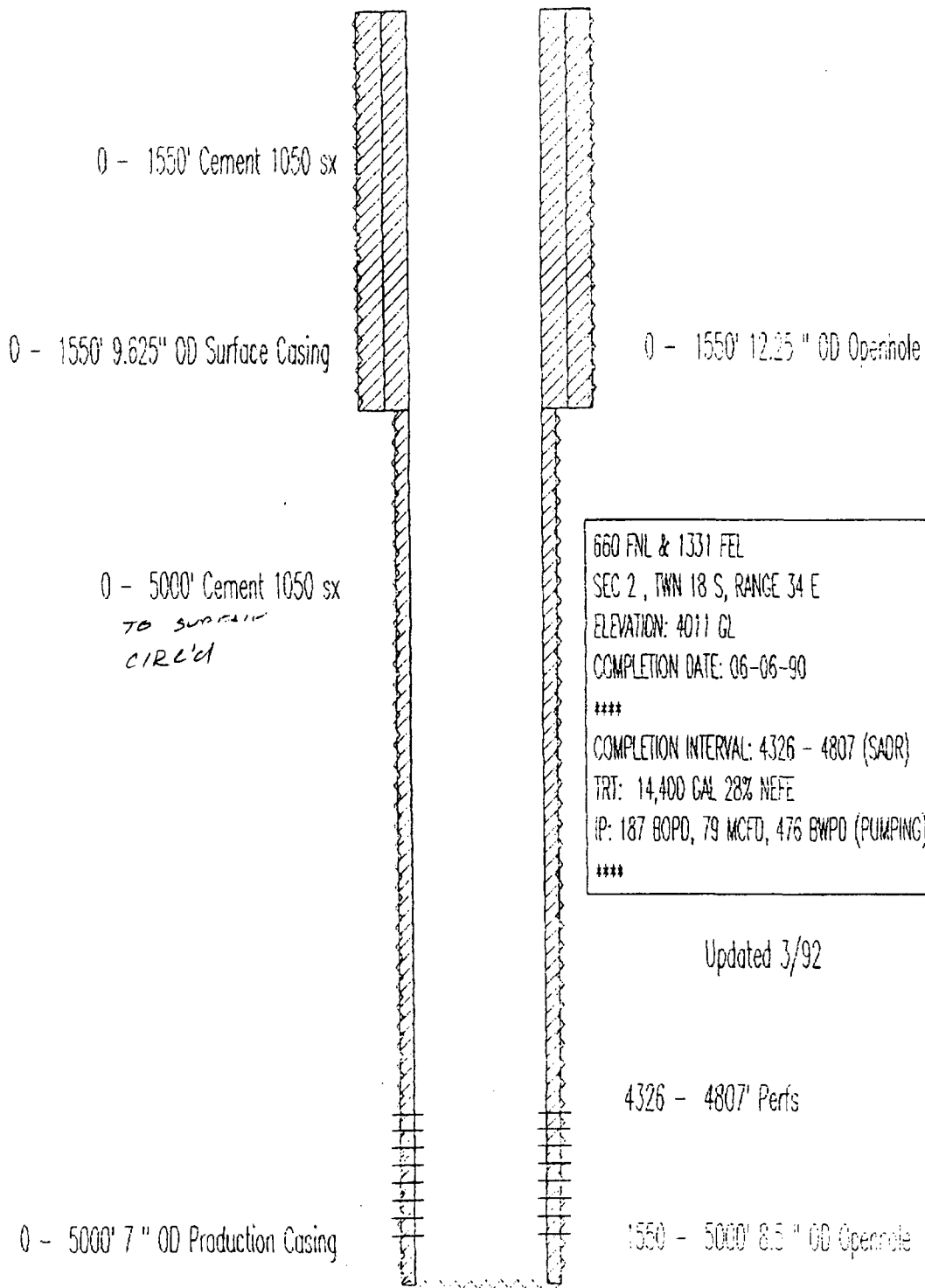
1558 - 5000' 8.5" OD Openhole

KB ELEV: 4029'

PBTD: 4900'

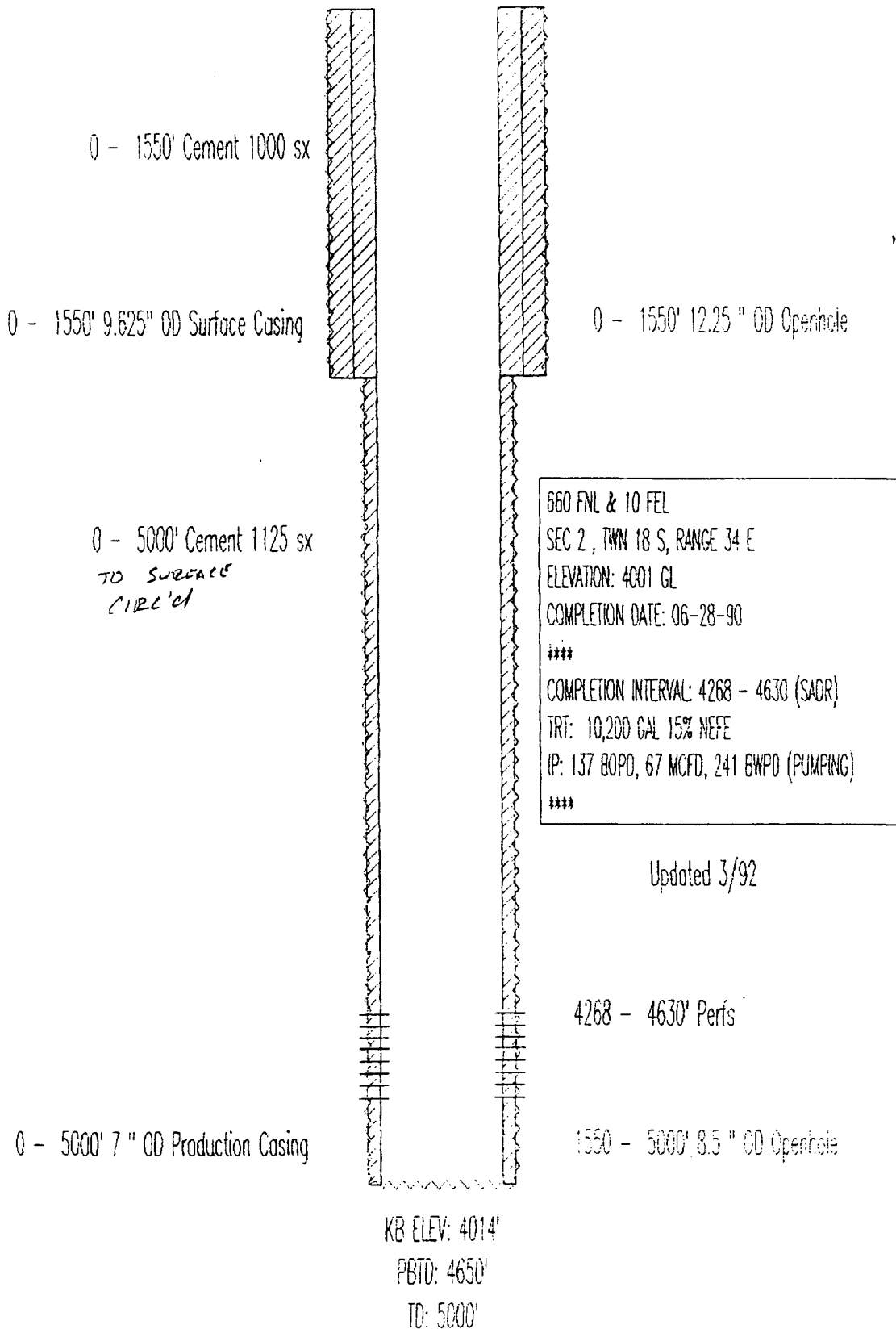
TD: 5000'

TEXACO INC
VACUUM (GRAYBURG-SA) NO. 154
API# 30025308010000

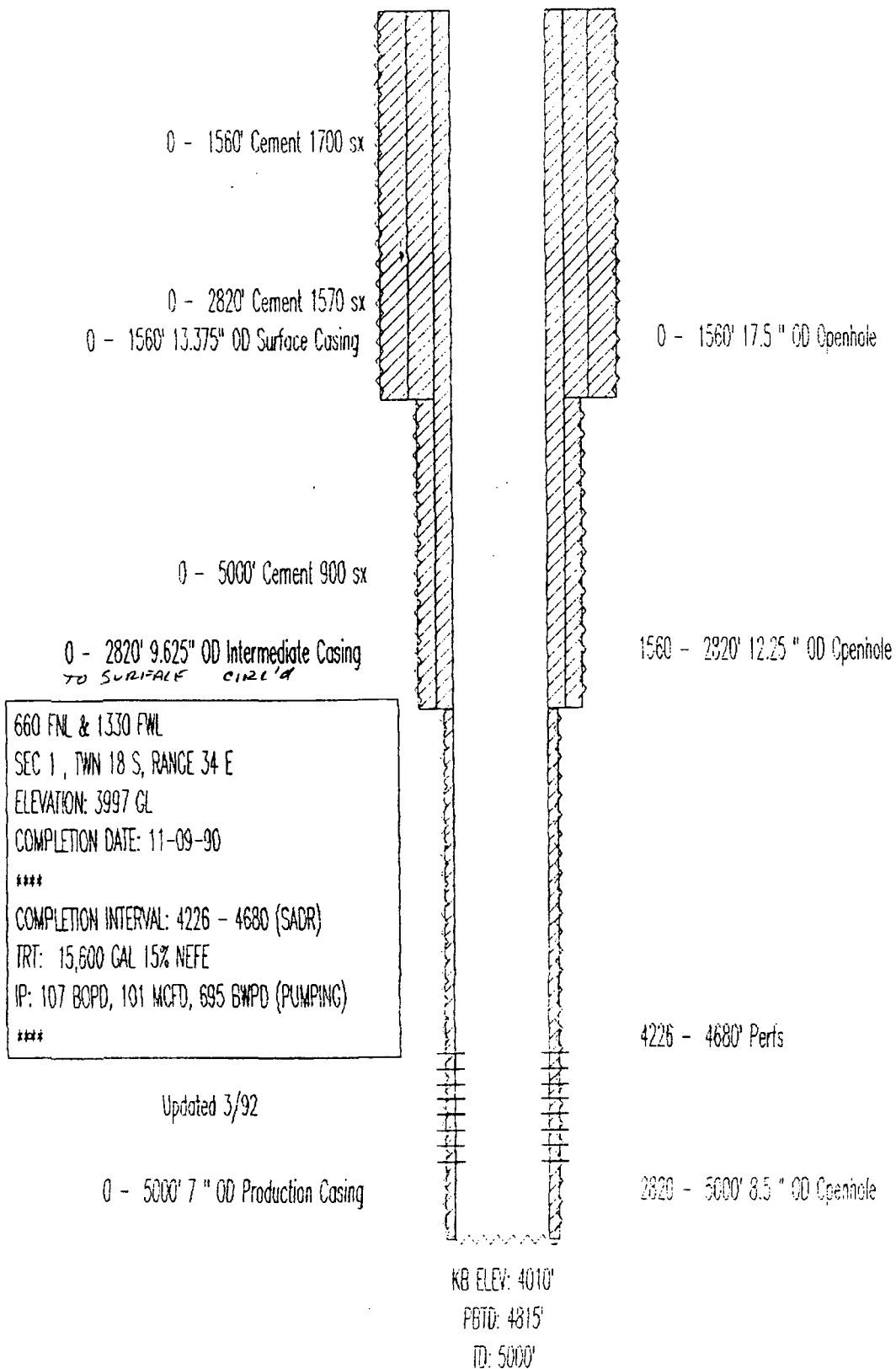


KB ELEV: 4024'
PBTD: 4900'
TD: 5000'

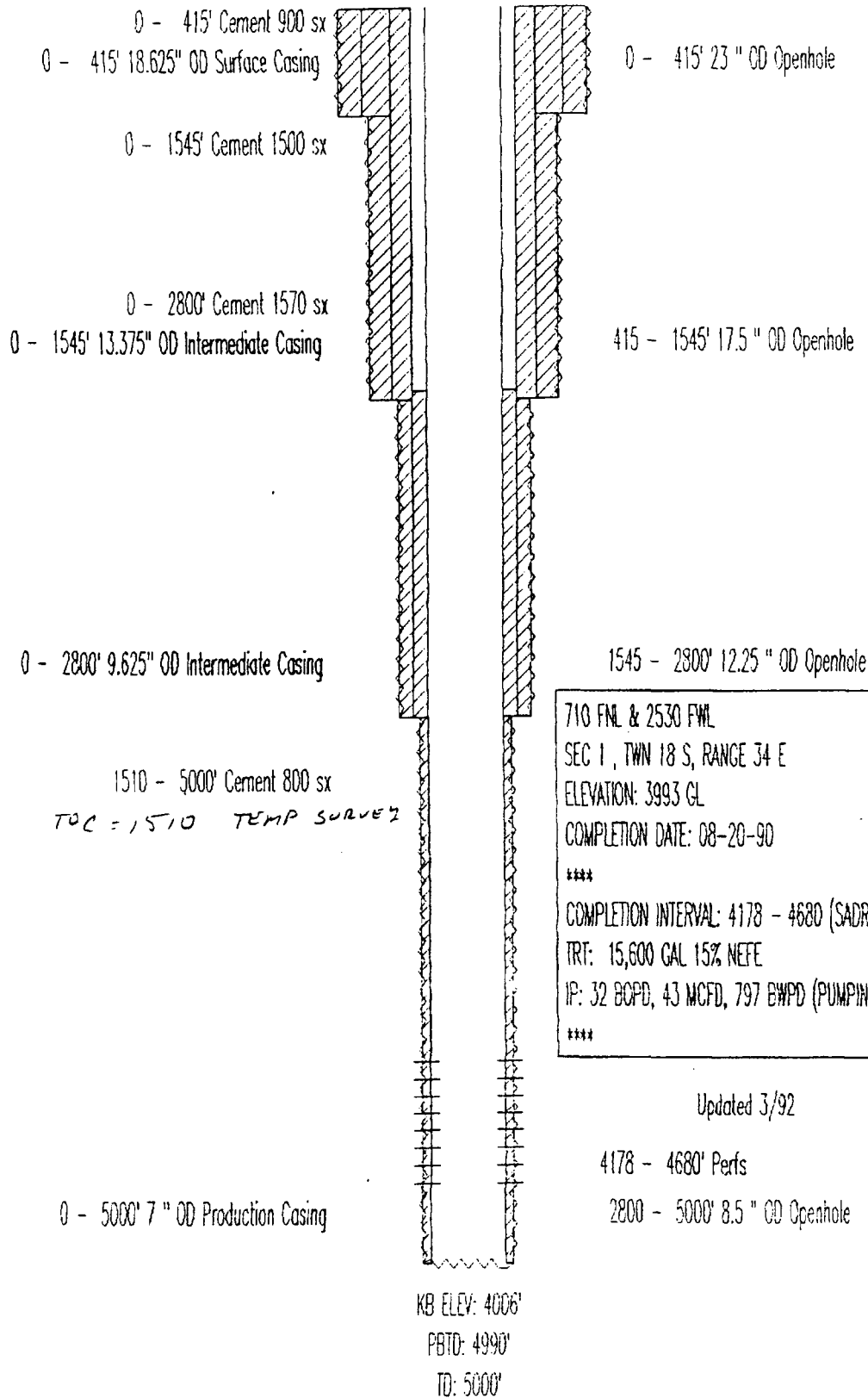
TEXACO INC
VACUUM (GRAYBURG-SA) NO. 155
API# 30025308000000



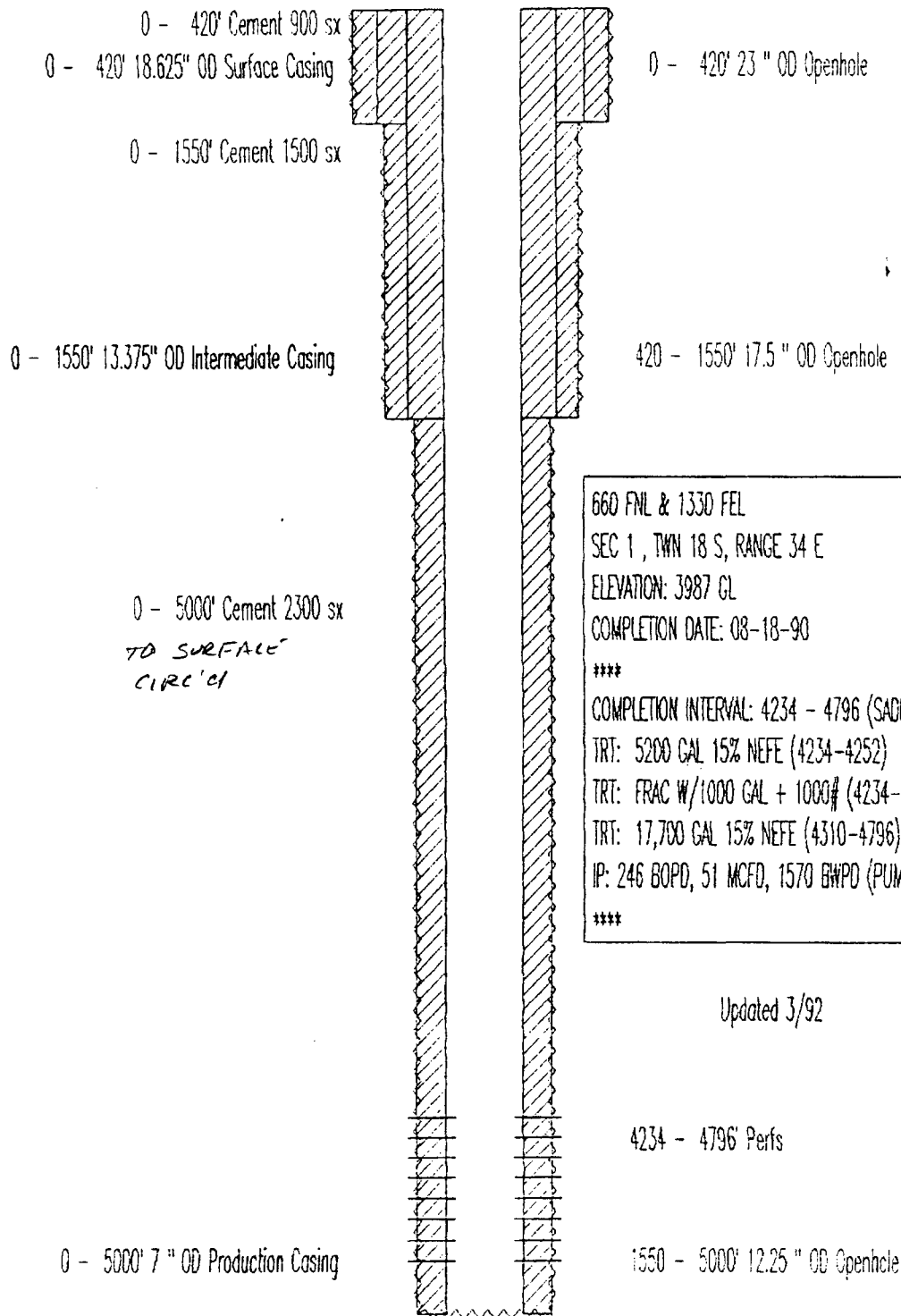
TEXACO INC
VACUUM (GRAYBURG-SA) NO. 156
API# 30025308510000



TEXACO INC
VACUUM (GRAYBURG-SA) NO. 157
API# 30025307170000



TEXACO INC
VACUUM (GRAYBURG-SA) NO. 158
API# 30025307180000



660 FNL & 1330 FEL
SEC 1, TWN 18 S, RANGE 34 E
ELEVATION: 3987 GL
COMPLETION DATE: 08-18-90

COMPLETION INTERVAL: 4234 - 4796 (SACR)
TRT: 5200 GAL 15% NEFE (4234-4252)
TRT: FRAC W/1000 GAL + 1000# (4234-4252)
TRT: 17,700 GAL 15% NEFE (4310-4796)
IP: 246 BOPD, 51 MCFD, 1570 BHPD (PUMPING)

Updated 3/92

KB ELEV: 3998'
PBTD: 4980'
TD: 5000'

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

100 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-33464

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil / Gas Lease

B-1733

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:

NEW WELL ☒ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER ☐

2. Name of Operator

TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator

205 E. Bender, HOBBS, NM 88240

7. Lease Name or Unit Agreement Name

VACUUM GRAYBURG SAN ANDRES UNIT

8. Well No.

159

9. Pool Name or Wildcat

VACUUM GRAYBURG SAN ANDRES

4. Well Location

Surf/BHL Unit Letter A : 907/567 Feet From The NORTH Line and 350/84 Feet From The EAST Line
Section 1 Township 18-S Range 34-E NMPM LEA COUNTY

10. Date Spudded

6/16/96

11. Date T.D. Reached

6/22/96

12. Date Compl. (Ready to Prod.)

7/6/96

13. Elevations (DF & RKB, RT, GR, etc.)

3985' GR

14. Elev. Csghead

3985'

15. Total Depth

4850'

16. Plug Back T.D.

4805'

17. If Mult. Compl. How Many Zones?

-

18. Intervals

Drilled By

Rotary Tools

O-4850'

Cable Tools

-

19. Producing Interval(s), of this completion - Top, Bottom, Name

4334'-4746' (VACUUM GRAYBURG SAN ANDRES)

20. Was Directional Survey Made

YES

21. Type Electric and Other Logs Run

GR/CNL/LDT; GR/CNL; GR/DLL/MSFL/SONIC; CORRELATION

22. Was Well Cored

NO

CASING RECORD (Report all Strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
	24#	1555'	11"	CL-C 550 SX, CIR 61	
	15.5#	4850'	7 7/8"	CL-H 1000 SX, CIR 93	

24.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	4329'	

25.

TUBING RECORD

26. Perforation record (interval, size, and number)

4334'-42', 46'-52', 71'-92', 4396'-4428', 36'-43', 54'-61', 4496'-4501',
06'-11', 4558'-4608', 13'-25', 31'-34' & 4664'-4746'
(2 JSPF, .40", 249 NET FT, 498 HOLES)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4334'-4746'	ACID - 25,000 GALS 15% NEFE HCL
4334'-4746'	SCALE SQZD- 220 GALS TH-756 IN 30
	8BLS FW, FLUSHED W/ 250 BBL FW

28.

PRODUCTION

Date First Production 7/6/96		Production Method (Flowing, gas lift, pumping - size and type pump) SUBMERSIBLE PUMP				Well Status (Prod. or Shut-in) PROD.	
Date of Test 7/18/96	Hours tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 137	Gas - MCF 62	Water - Bbl. 644	Gas - Oil Ratio 453
Flow Tubing Press.	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.) 39.2	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD						Test Witnessed By HENLEY	
30. List Attachment DEVIATION SURVEY							

I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNATURE Monte C. Duncan TITLE Engr Asst

DATE 7/30/96

TYPE OR PRINT NAME

Monte C. Duncan

Telephone No. 397-0418

VBSAU # 212

11" hole
8 5/8" @ 1470', cmt 6000x
Circ

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



8/97

Perfs 4295' - 4460

8/97 - CIBP @ 7600' cap w/35' cmt

8/97 - CIBP @ 8070' cap 35' cmt

7 7/8" hole
5 1/2" @ 8100', cmt 2400sx
Circ

Perf 8112' - 8855'

4 3/4" hole
4" liner 7753' - 8900'
75SX Class H
CEMENT CALCD
TO LINDER TOP USING
UNION BRIDGE

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	3002531993
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	857948

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____				7. Lease Name or Unit Agreement Name Vacuum Grayburg San Andres	
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☒ DIFF RES. ☐ OTHER RECOMPLETION					
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.				8. Well No. 227	
3. Address of Operator 205 E. Bender, HOBBS, NM 88240				9. Pool Name or Wildcat Vacuum Grayburg San Andres	
4. Well Location Unit Letter <u>J</u> 1980 Feet From The <u>South</u> Line and <u>1755</u> Feet From The <u>East</u> Line Section <u>1</u> Township <u>18-S</u> Range <u>34-E</u> NMPM <u>lea</u> COUNTY					
10. Date Spudded 3/31/99	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.) 4/3/99	13. Elevations (DF & RKB, RT, GR, etc.) 3987' GL	14. Elev. Csghead	
15. Total Depth	16. Plug Back T.D. 8000'	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
19. Producing Intervals(s), of this completion - Top, Bottom, Name 4280-4412' SAN ANDRES				20. Was Directional Survey Made NO	
21. Type Electric and Other Logs Run N/A				22. Was Well Cored NO	

CASING RECORD (Report all Strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
			NO CHANGE		

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	5018'	
26. Perforation record (interval, size, and number) 4280-4412' SAN ANDRES					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.		
					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	
					4280-4412'	3000 GALS 15% NEFE HCL	

28. PRODUCTION							
Date First Production 4/22/99		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING 2 1/2" X 1 3/4" X 24'				Well Status (Prod. or Shut-in) PROD	
Date of Test 5-10-99	Hours tested 24 HRS	Choke Size	Prod'n For Test Period	Oil - Bbl. 24	Gas - MCF 10	Water - Bbl. 104	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD						Test Witnessed By	
30. List Attachment							
31. I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNATURE <u>J. Denise Leake</u>			TITLE <u>Engineering Assistant</u>			DATE <u>5/18/99</u>	
TYPE OR PRINT NAME <u>J. Denise Leake</u>			Telephone No. <u>397-0405</u>				

VGSAU # 227

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

Appropriate
Office
Lease - 6 copies
Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION
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 API NO.
30-025-31993

5. Indicate Type of Lease.
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-1306

7. Lease Name or Unit Agreement Name
NEW MEXICO 'R' STATE NCT-3

8. Well No.
26

9. Pool name or Wildcat
VACUUM DRINKARD

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESVR ☐ OTHER _____

2. Name of Operator
TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator
P. O. Box 3109, Midland, Texas 79702

4. Well Location
Unit Letter J : 1980 Feet From The SOUTH Line and 1755 Feet From The EAST Line
Section 1 Township 18-SOUTH Range 34-EAST NMPM LEA County

10. Date Spudded 06-11-93	11. Date T.D. Reached 07-03-93	12. Date Compl. (Ready to Prod.) 09-07-93	13. Elevations (DF & RKB, RT, GR, etc.) GR-3987', KB-4001'	14. Elev. Casinghead 3987'
15. Total Depth 8000'	16. Plug Back T.D. 7950'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0 - 8000'	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 7585' - 7829'; DRINKARD				20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run GR-DLL-MSFL-LSS, GR-CNL-LDT, GR-FMI				22. Was Well Cored YES

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1470'	11	CL-C 650 SX CIRC. 148 SX	
5 1/2	15.5# & 17#	8000'	7 7/8	CL-H 1750 SX, CIRC. 127 SX	
				DV @ 5003'	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	7852'	

26. Perforation record (interval, size, and number)
7585' - 7829'; 2 JSPF, 284 HOLES.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7585' - 7829'	ACID: 25000 GAL 20% HCL
	ACID/FRACT'D: 40000 GAL 65 QUALITY
	CO2 FOAMED 20% HCL

28. PRODUCTION

Date First Production 07-16-93		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING - 2.5 X 1.5 X 24				Well Status (Prod. or Shut-in) PRODUCING	
Date of Test 09-13-93	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 79	Gas - MCF 129	Water - Bbl 17	Gas - Oil Ratio 1633
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (Corr.) 40.80	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
SOLD

Test Witnessed By
EDDIE WELBORNE

30. List Attachments
DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

Signature C.P. Basham / SDH Printed Name C.P. BASHAM Title DRLG. SUPT. Date 09-16-93

Received
Hobbs
SEP 16 1993

OIL CONSERVATION DIVISION

P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.	30025320090002
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lea	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG															
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____					7. Lease Name or Unit Agreement Name VACUUM GRAYBURG SAN ANDRES <i>Unit</i>										
b. Type of Completion: NEW WELL ☐ WORKOVER ☒ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER ☐ Recompletion															
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.					8. Well No. 258										
3. Address of Operator 205 E. Bender, HOBBS, NM 88240					9. Pool Name or Wildcat Vacuum Grayburg San Andres										
4. Well Location Unit Letter <u>A</u> : <u>660</u> Feet From The <u>NL</u> Line and <u>510</u> Feet From The <u>EL</u> Line Section <u>1</u> Township <u>18-S</u> Range <u>34E</u> NMMPM <u>LEA</u> COUNTY															
10. Date Spudded 5/3/99		11. Date T.D. Reached		12. Date Compl. (Ready to Prod.) 5/7/99		13. Elevations (DF & RKB, RT, GR, etc.) D.F 4005, K.B. 4006		14. Elev. Csghead							
15. Total Depth		16. Plug Back T.D. 5465'		17. If Mult. Compl. How Many Zones?		18. Intervals Drilled By		Rotary Tools Cable Tools							
19. Producing Interval(s), of this completion - Top, Bottom, Name 4284-4380 Vacuum Grayburg San Andres, & 4480-4677'								20. Was Directional Survey Made no							
21. Type Electric and Other Logs Run CCL/GR/NL								22. Was Well Cored no							
23. CASING RECORD (Report all Strings set in well)															
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENT RECORD		AMOUNT PULLED					
24. LINER RECORD										25. TUBING RECORD					
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE	DEPTH SET	PACKER SET			
										2 7/8"	4362'				
26. Perforation record (interval, size, and number) 4284-4380 Vac Grayburg & 4480-4677'						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.									
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED							
						4284-4380		3000 gals 15% NEFE HCL							
						4480-4677'		4000 gals 15% NEFE HCL							
						4284-4380		FRAC W/13,000 gals 40# X-linked gel							
28. PRODUCTION															
Date First Production 5/21/99		Production Method (Flowing, gas lift, pumping - size and type pump) pumping 2 1/2"x2x24'						Well Status (Prod. or Shut-in) PROD							
Date of Test 6-07-99		Hours tested 24 hrs		Choke Size		Prod'n For Test Period		Oil - Bbl. 28		Gas - MCF 22		Water - Bbl. 241		Gas - Oil Ratio	
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.		Oil Gravity - API -(Corr.)			
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD										Test Witnessed By					
30. List Attachment															
31. I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.															
SIGNATURE <i>J. Denise Leake</i> TITLE Engineering Assistant DATE 6/8/99															
TYPE OR PRINT NAME J. Denise Leake Telephone No. 397-0405															

submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

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

WELL API NO.

30-025-32009

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

B-1733

7. Lease Name or Unit Agreement Name
NEW MEXICO 'L' STATE

8. Well No.

15

9. Pool name or Wildcat

VACUUM DRINKARD

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒

GAS WELL ☐

DRY ☐

OTHER ☐

b. Type of Completion:

NEW
WELL ☒

WORK
OVER ☐

DEEPEN ☐

PLUG
BACK ☐

DIFF
RESVR ☐

OTHER ☐

2. Name of Operator

TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator

P. O. Box 3109, Midland, Texas 79702

4. Well Location

Unit Letter A: 660 Feet From The NORTH Line and 510 Feet From The EAST Line

Section 1

Township 18-SOUTH

Range 34-EAST

NMPM LEA

County

10. Date Spudded

08-27-93

11. Date T.D. Reached

09-13-93

12. Date Compl. (Ready to Prod.)

09-28-93

13. Elevations (DFA & RKB, RT, GR, etc.)

GR-3992', KB-4006'

14. Elev. Casinghead

3992'

15. Total Depth

7950'

16. Plug Back T.D.

7930'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

0 - 7950'

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

7484' - 7906'; DRINKARD

20. Was Directional Survey Made

YES

21. Type Electric and Other Logs Run

GR-DLL-MSFL, GR-CNL-LD

22. Was Well Cored

YES - SIDEWALL

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1470'	11	CL-C 650 SX, TOP OF CMT	
				TS @ 100', RAN 1 IN. TUBING	
				110 SX CL C	
5 1/2	15.5# & 17#	7950'	7 7/8	CL-H 3175 SX, CIRC. 330 SX	
				DV @ 5028'	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	7423'	7423'

26. Perforation record (interval, size, and number)

7484' - 7906'; 2 JSPF, 412 HOLES.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL

7484' - 7906'

AMOUNT AND KIND MATERIAL USED

ACID: 40000 GAL 20% HCL

PRODUCTION

Date First Production 09-29-93		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PRODUCING	
Date of Test 10-02-93	Hours Tested 24	Choke Size 19	Prod'n For Test Period	Oil - Bbl 468	Gas - MCF 390	Water - Bbl 101	Gas - Oil Ratio 833
Flow Tubing Press. 250	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (Corr.) 40.30	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

Test Witnessed By

GLEN BOLAND

30. List Attachments

DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

C.P. Basham / SDH

Printed Name

C.P. BASHAM

Title DRLG. SUPT.

Date 10-04-93

VGSAU C-108 Application

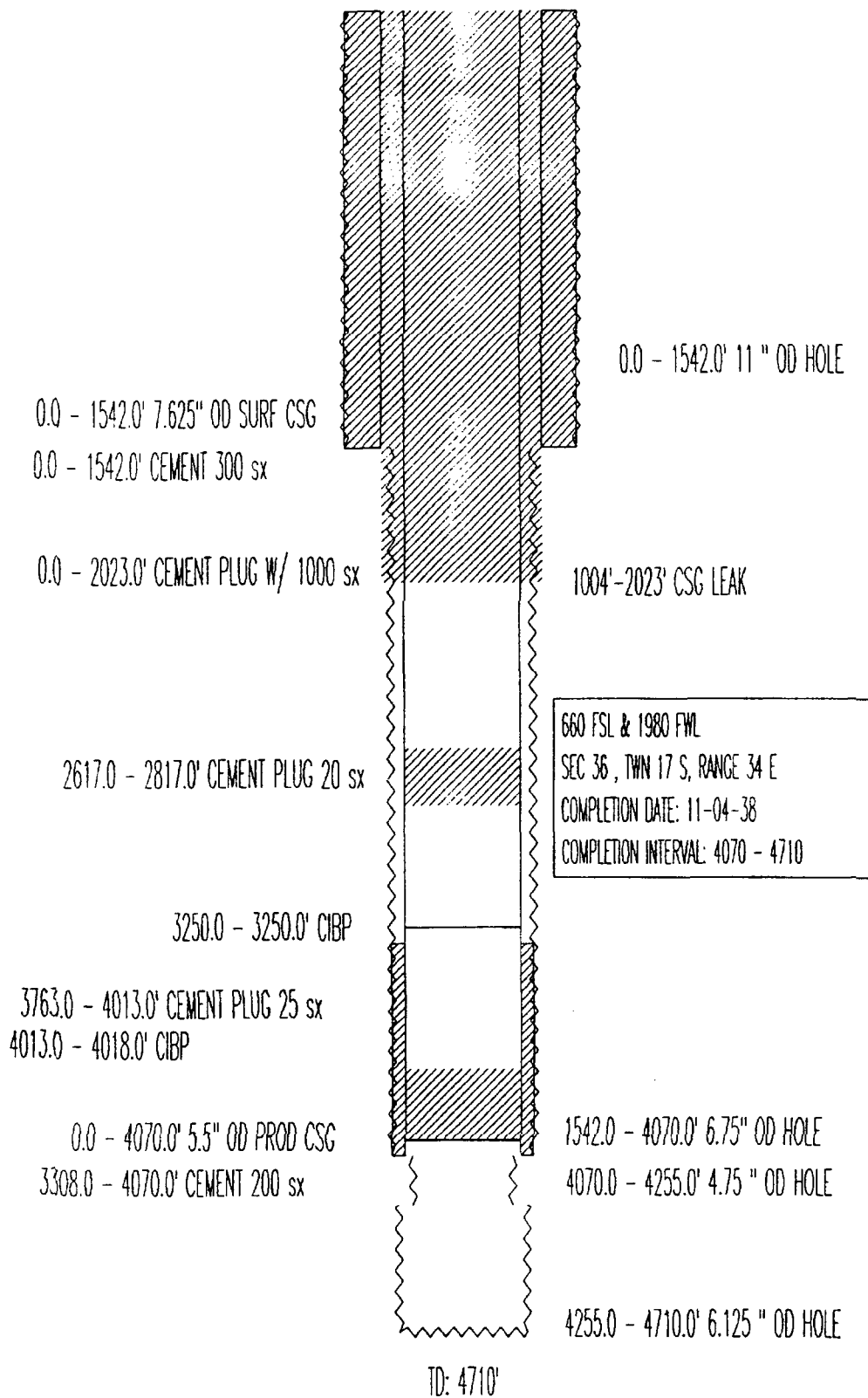
Area of Review - Warn State Acc-2

Operator	Lease Name	Well #	API #	S. T. R.	Location	County	Surface Casing		Intermediate Casing		Production Casing		Top of Cement	Date Drilled	Record of Completion		Status	Total Depth
							Size (in)	Depth (ft)	Size (in)	Depth (ft)	Size (in)	Depth (ft)			Original	Current		
MARATHON OIL COMPANY	WARN STATE A/C-2	9	3002530383	6 18S 35E SW SW 330 FSL 913 FWL	Lea	13-3/8	356	350	9-5/8	3159	1200	5-1/2	8796	850	8423-8702	7630-8068	Prod	8796
MARATHON OIL COMPANY	WARN STATE A/C-2	11	3002530031	6 18S 35E NW SW 1650 FSL 910 FWL	Lea	13-3/8	360	350	8-5/8	3400	1500	5-1/2	8797	1255	8485-8655	7630-7790	Prod	8799
MARATHON OIL COMPANY	WARN STATE A/C-2	20	3002531634	6 18S 35E SW NW 2180 FNL 910 FWL	Lea	11-3/4	1453	1000	8-5/8	2885	850	5-1/2	8168	1865	7615-7977		Prod	8166
MARATHON OIL COMPANY	WARN STATE A/C-2	22	3002532034	6 18S 35E NW NW 1219 FNL 860 FWL	Lea	11-3/4	1444	500	8-5/8	2767	1100	5-1/2	8138	1780	7662-7958		Prod	8138
MARATHON OIL COMPANY	WARN STATE A/C-2	24	3002532189	6 18S 35E SW SW 960 FSL 400 FWL	Lea	11-3/4	1460	850	8-5/8	2630	1048	5-1/2	8170	1860	7606-8041		Prod	8170
MARATHON OIL COMPANY	WARN STATE A/C-2	25	3002533139	6 18S 35E 113 FNL 1429 FWL	Lea	9-5/8	1479	1057				5-1/2	8149	1700	7538-7892		Inj	8150
MARATHON OIL COMPANY	WARN STATE A/C-2	26	3002533541	6 18S 35E 2180 FNL 400 FWL	Lea	13-3/8	1382	1290	6-5/8	5967	2050	5-1/2	11500	2100	11152-11205	9495-11205	Prod	11500

VGSAU C-108 Review Area

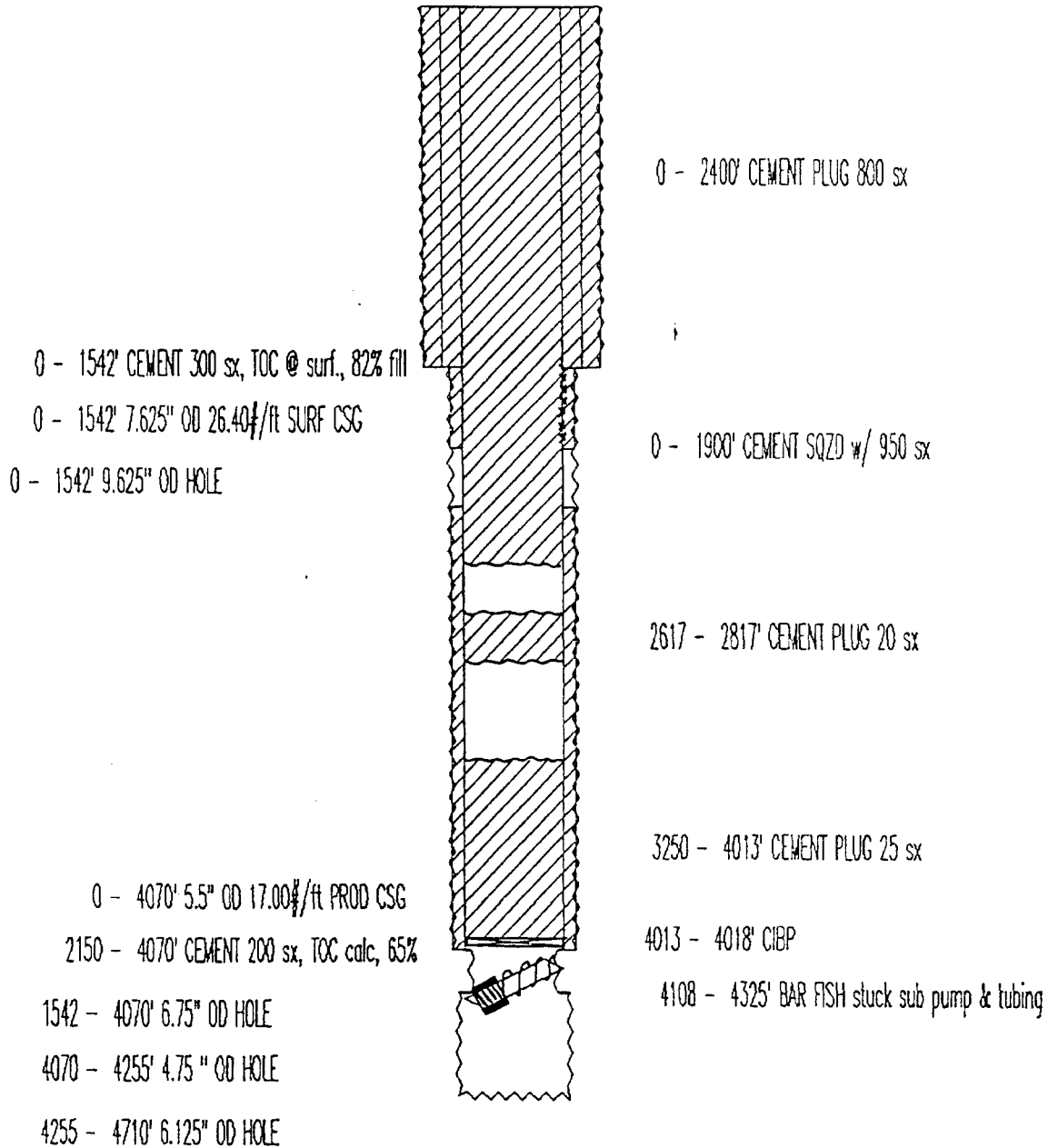
P A's

Well #	Spot	API/IC	Lease Name	Well #	C-108	Operator	Formation At TD	Total Depth	Location	State	County	Stat us	Field	Spud Date	Footage
1	Oil	3002503079	CENTRAL VACUUM UNIT	112	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4694	6 18S 35E	NM	LEA	PA	VACA DRAW	2/16/40	2310 FSL 330 FWL
2	Oil	3002503081	CENTRAL VACUUM UNIT	119	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4693	6 18S 35E	NM	LEA	PA	VACA DRAW	8/5/44	660 FSL 660 FWL
3	Oil	3002502555	New Mexico AC State	8	y	Texaco E & P Inc.		9025	2 18S 34E	NM	LEA	PA	VACA DRAW	1/7/64	330 FSL 1980 FEL
4	Oil	3002521055	New Mexico AC State	9	y	Texaco E & P Inc.		9040	2 18S 34E	NM	LEA	PA	VACA DRAW	2/27/64	330 FSL 2100 FWL
5	Oil	3002502325	New Mexico AE State	1	y	Bargo	GRAYBURG-SAN ANDRES	5194	12 18S 34E	NM	LEA	PA	VACA DRAW	2/4/42	660 FSL 660 FWL
6	Dryhole	3002502317	New Mexico AE State	3	y	Bargo		4855	11 18S 34E	NM	LEA	PA	VACA DRAW	12/18/51	660 FNL 1987 FEL
7	Oil	3002502092	New Mexico AE State	8	y	Bargo		8950	12 18S 34E	NM	LEA	PA	VACA DRAW	5/3/63	2310 FNL 330 FWL
8	Oil	3002502023	New Mexico AE State	10	y	Bargo		8990	12 18S 34E	NM	LEA	PA	VACA DRAW	7/19/63	1980 FNL 990 FWL
9	Oil	3002502024	New Mexico AE State	12	y	Bargo		8950	12 18S 34E	NM	LEA	PA	VACA DRAW	1/1/68	990 FNL 660 FWL
10	Oil	30025020310	New Mexico AE State	13	y	Bargo		8970	11 18S 34E	NM	LEA	PA	VACA DRAW	7/26/63	990 FNL 660 FEL
11	Oil	30025020360	New Mexico AE State	14	y	Bargo		9050	11 18S 34E	NM	LEA	PA	VACA DRAW	10/14/63	950 FNL 1980 FEL
12	Oil	30025020171	New Mexico AE State	19	y	Bargo		9050	11 18S 34E	NM	LEA	PA	VACA DRAW	1/1/72	660 FNL 660 FWL
13	Oil	30025020514	New Mexico L State	6	y	Texaco E & P Inc.	MISSISSIPPIAN LOWER	12255	1 18S 34E NW NE	NM	LEA	PA	VACA DRAW	2/5/71	770 FNL 2090 FEL
14	Oil	30025020937	New Mexico L State	7	y	Texaco E & P Inc.	PADDOCK	6750	1 18S 34E	NM	LEA	PA	VACA DRAW	5/12/81	760 FNL 560 FEL
15	Oil	30025020938	New Mexico L State	8	y	Texaco E & P Inc.		6800	1 18S 34E	NM	LEA	PA	VACA DRAW	4/18/64	1980 FNL 1865 FEL
16	Dryhole	30025020940	New Mexico M State	8	y	Texaco E & P Inc.		6800	1 18S 34E	NM	LEA	PA	VACA DRAW	3/16/64	460 FNL 1880 FWL
17	Dryhole	30025020319	New Mexico O State NCT-1	22	y	Texaco E & P Inc.		6794	36 17S 34E	NM	LEA	PA	VACA DRAW	1/1/72	500 FSL 560 FWL
18	Oil	30025020946	New Mexico O State NCT-1	24	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	10300	36 17S 34E	NM	LEA	PA	VACA DRAW	1/1/72	860 FSL 660 FEL
19	Oil	3002521424	New Mexico R State NCT-2	5	y	Texaco E & P Inc.		6250	2 18S 34E	NM	LEA	PA	VACA DRAW	3/17/65	330 FNL 1650 FEL
20	PA	Unknown	New Mexico R State NCT-3	14	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES								
21	Oil	3002520950	New Mexico R State NCT-3	15	y	Texaco E & P Inc.		10200	1 18S 34E	NM	LEA	PA	VACA DRAW	2/28/64	487 FSL 580 FEL
22	Dryhole	3002502270	STATE Z NCT-1	5	y	Texaco E & P Inc.		9500	2 18S 34E	NM	LEA	PA	VACA DRAW	7/14/61	660 FNL 1880 FWL
23	Oil	3002521111	Vacuum Glorieta West Unit	111	y	Texaco E & P Inc.	GLORIETA /SD/	6850	2 18S 34E	NM	LEA	PA	VACA DRAW	9/11/64	330 FNL 330 FEL
24	Oil	3002520939	Vacuum Glorieta West Unit	125	y	Texaco E & P Inc.		6850	1 18S 34E	NM	LEA	PA	VACA DRAW	10/21/64	1660 FNL 660 FEL
25	Oil	3002520046	Vacuum Glorieta West Unit	130	y	Texaco E & P Inc.	GLORIETA /SD/	6853	36 17S 34E	NM	LEA	PA	VACA DRAW	2/23/82	519 FSL 1839 FWL
26	Oil	3002521834	Vacuum Grayburg San Andres Unit	1	y	Texaco E & P Inc.		4740	11 18S 34E	NM	LEA	PA	VACA DRAW	2/11/66	330 FNL 330 FEL
27	Oil	3002521421	Vacuum Grayburg San Andres Unit	2	y	Texaco E & P Inc.		4705	12 18S 34E	NM	LEA	PA	VACA DRAW	9/17/65	330 FNL 985 FWL
28	Oil	3002502326	Vacuum Grayburg San Andres Unit	3	y	Texaco E & P Inc.		4685	12 18S 34E	NM	LEA	PA	VACA DRAW	6/25/44	330 FNL 2310 FWL
29	Oil	3002502246	Vacuum Grayburg San Andres Unit	58	y	Texaco E & P Inc.		4710	1 18S 34E	NM	LEA	PA	VACA DRAW	10/18/38	660 FNL 660 FEL
30	Dryhole	3002521110	Vacuum Grayburg San Andres Unit	68	y	Texaco E & P Inc.		8800	1 18S 34E	NM	LEA	PA	VACA DRAW	1/1/72	1655 FSL 330 FEL
31	ActiveTD	3002533301	New Mexico L State	18	y	Texaco E & P Inc.	DRINKARD /LM/		1 18S 34E SE NE NE	NM	LEA	PA	VACUUM	/ /	810 FNL 650 FEL
32	Other	3002532872	New Mexico L State	17	y	Texaco E & P Inc.		8100	1 18S 34E	NM	LEA	PA	VACA DRAW	8/11/95	2560 FNL 10 FEL
33	Oil	3002503075	CENTRAL VACUUM UNIT	98	y	Texaco E & P Inc.	GRAYBURG-SAN ANDRES	4675	6 18S 35E	NM	LEA	PA	VACA DRAW	8/21/38	960 FNL 484 FWL
34	Other	3002525803	CENTRAL VACUUM UNIT	128	y	Texaco E & P Inc.	SAN ANDRES D	4800	12 18S 34E	NM	LEA	PA	VACA DRAW	9/24/79	1310 FNL 200 FEL
35	Oil	3002502242	CENTRAL VACUUM UNIT	91	y	Texaco E & P Inc.		4710	36 17S 34E	NM	LEA	PA	VACA DRAW	8/30/38	660 FSL 660 FWL



P&A: 8-09-91

TEXACO E&P INC
CENTRAL VACUUM UNIT No. 91
API# 30 025 02243



660 FSL & 1980 FWL
SEC 36 , TWN 17 S, RANGE 34 E
ELEVATION: 3991 GL
COMPLETION DATE: 11-04-38

COMPLETION INTERVAL: 4070 - 4710 (GBSA)
Former Texaco NM "O" Slate NCT-1 #9

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

DISTRICT II
Drawer DD, Artesia, NM 88210

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

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

WELL API NO.	30-025-02243
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	B-155
7. Lease Name or Unit Agreement Name	
Central Vacuum Unit	
8. Well No.	91
9. Pool name or Wildcat	Vacuum Grayburg, San Andres
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	
3991' GR	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	2. Name of Operator Texaco Exploration and Production Inc.
3. Address of Operator P.O. Box 730 Hobbs, New Mexico 88240	4. Well Location Unit Letter <u>N</u> : <u>660</u> Feet From The <u>South</u> Line and <u>1980</u> Feet From The <u>West</u> Line Section <u>36</u> Township <u>17S</u> Range <u>34E</u> NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3991' GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
OTHER: ☐	PLUG AND ABANDONMENT ☒
	CASING TEST AND CEMENT JOB ☐
	OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. MIRU w/P&A equipment. Starting date 8-5-91.
2. TOH w/tbg & pkr. TIH w/bit, tagged plug @ 3250.
3. TOH w/bit, TIH w/pkr. Casing leak @ 1004-2023.
4. Established circ to surf; rate & psi: 2 BPM @ 200 PSI.
5. TOH w/tbg, TIH to 3238, loaded hole w/salt gel mud.
6. Spt 20 sxs Class C 2% CaCl cmt from 2817 to 2617.
7. TOH w/tbg. Tied onto csg, established circ, pumped 200 sxs Class C 2% CaCl cmt, circulated to surf, shut in bradenhead valve and squeezed w/800 sxs Class C 2% CaCl cmt, SI PSI 500#.
8. Cut off wellhead, installed dry hole marker, cleaned location. Completion date 8/9/91

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

SIGNATURE M.C. Duncan TITLE Engineer's Assistant DATE 08-13-91

TYPE OR PRINT NAME M.C. Duncan TELEPHONE NO. 393-7191

APPROVED BY [Signature] TITLE OIL & GAS INSPECTOR DATE OCT 04 1991

CONDITIONS OF APPROVAL, IF ANY:

NO. OF PAGES	
DATE	
TIME	
BY	
FOR	
REMARKS	

P. O. BOX 2015
SANTA FE, NEW MEXICO 87501

Form 8-19
Revised 1

34. Interest Type of Lease
 Term ☒ ☐ For
 B. Home Oil & Gas Lease Inc.
 B-155

we will not take any action for violation of contract or in breach of the contract or a different agreement, and application for award - as shown in the following table.

1. ☒ ON WELL ☐ OFF WELL ☐ OPENED		7. Unit Approximate Name Central Vacuum Unit
2. Name of Operator Texaco Prod. Inc.		8. Form or Lease Name
3. Address of Operator P.O. Box 728 Hobbs, NM 88240		9. Well No. 91
4. Location of Well EAST LETTER N 660 FEET FROM THE South LINE AND 1980 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 17 S RANGE 34 E ZONE.		10. Plate and Pool, or Wellcut Vacuum Grayburg San Andres
11. Elevation (Show whether SF, RT, CR, etc.) 3991' GR		12. County Lea

DEPARTMENT OF THE ARMY
WASHINGTON, D. C. 20315
OFFICE OF THE ADJUTANT GENERAL

APPROVED: ☐
 CHAIRMAN: ☐

[illegible]

ALYSON LIVING
PLAN AND PLANNING-1987

--- Convert to salt water monitor well

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed operations.)

1. On 1-28-87, rigged up pulling unit, Installed BOP.
2. TTH w/ 4 3/4" bit, cleaned out to 4013'. Circ. clean. TTH w/ bit.
3. Set 5 1/2" CIBP at 4013', spot 25 szs cement on top. CIBT = 3743'.
4. TTH w/ 5 1/2" Elder Model T tension pkr on 2 3/8" tbg. Set pkr at 1501'.
5. Load annulus with inhibited water.
6. Install pressure gauge. Well being used to monitor pressure in salt section via perf and casing leak at 1872'-1900'. Present tbg pressure is 1150 psi (1-30-87).

12. Describe sample and the sampling error in this and compare to the bias of the sampling and error.

393 - 4031

Homer C. Smith
A. Gernandt

Area Superintendent

... 278-87

FAX NO. 15053930720

CCD HOBBS

6:31 AM

TEXACO E&P INC
CENTRAL VACUUM U. No. 112 P&A
API# 3002503079

0 - 900' CEMENT 475 SX SQZD

0 - 504' 10.75" OD SURF CSG

0 - 504' CEMENT 200 SX

0 - 2650' CEMENT PLUG 270 SX

0 - 502' 13.5" OD HOLE

2893 - 2967' DAMAGE PARTED CASING

□ 2897 - 2900' RETAINER

2900 - 3200' 2.375" OD TBG TAILPIPE

2900 - 4646' CEMENT PLUG 500 SX

0 - 4096' 5.5" OD PROD CSG

1316 - 4096' CEMENT 200 SX

502 - 4096' 9.5" OD HOLE

4552 - 4659' SQUEEZE PERFS

3997 - 4695' 4" OD LINER

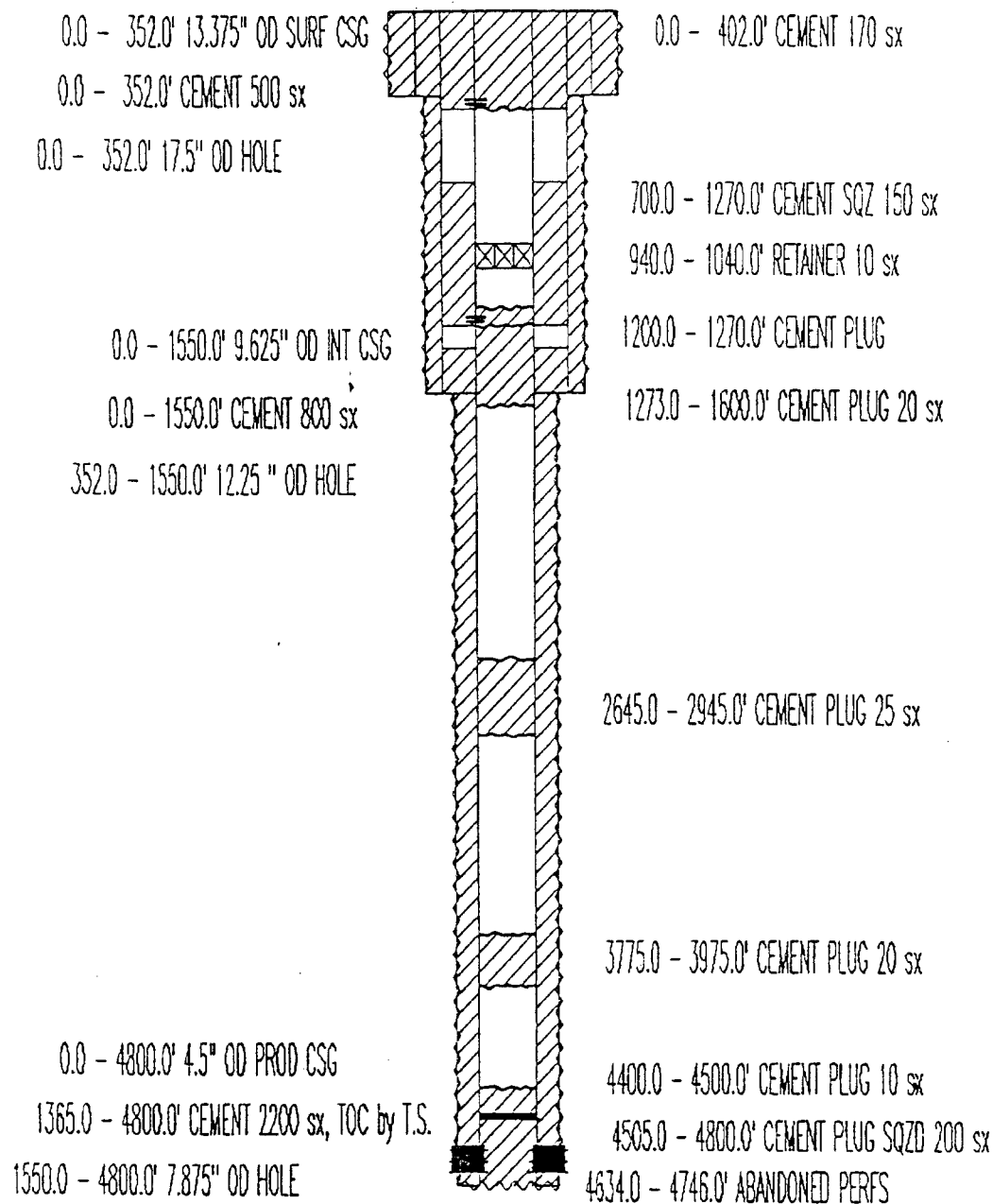
4294 - 4695' CEMENT 100 SX

4096 - 4694' 4.75" OD HOLE

2310 FSL & 330 FML
SEC 6, T11N 18 S, RANGE 35 E
ELEVATION: 3994 ES
COMPLETION DATE: 03-18-40
P&A DATE: 11-17-80
Former Marathon Worn State A/C-2 1/5

P&A: 4-29-96

CENTRAL VACUUM U NO. 128 WIW
API# 3002525803



1310 FNL & 200 FEL
SEC 12 , T1N 18 S, RANGE 34 E
ELEVATION: 3966 GR
COMPLETION DATE: 10-19-78

TEXACO E&P INC.
ST. Z NOT-1 #5
API# 3002502270

0.0 - 322.0' 13.375" OD SURF CSG

0.0 - 322.0' CEMENT 350 sx

1109.0 - 1172.0' CEMENT PLUG W/ 45 sx

0.0 - 15.0' CEMENT PLUG W/ 15 sx

305.0 - 335.0' CEMENT PLUG W/ 25 sx

0.0 - 322.0' 17" CG - 3E

660 FWL & 1880 FWL

SEC 02, TWN 18 S, RANGE 34 E

COMPLETION DATE: 09-04-61

COMPLETION INTERVAL: NOT COMPLETED

1146.0 - 4957.0' 8.625" OD PROD CSG

2128.0 - 4957.0' CEMENT 900 sx

4907.0 - 5007.0' CEMENT PLUG W/ 45 sx

6166.0 - 6266.0' CEMENT PLUG W/ 45 sx

8039.0 - 8139.0' CEMENT PLUG W/ 45 sx

9400.0 - 9500.0' CEMENT PLUG W/ 45 sx

322.0 - 9500.0' 11" OD HOLE

TD: 9500'

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company TEXACO Inc.		Address P. 1051 Box 728 - Hobbs, New Mexico				
Lease State of New Mexico "Z" NCT-1	Well No. 5	Unit Letter C	Section 2	Township 18-S	Range 34-E	
Date Work Performed Sept. 4, 1961	Pool Wildcat			County Lea		
THIS IS A REPORT OF: (Check appropriate block)						
☐ Beginning Drilling Operations		☐ Casing Test and Cement Job		☐ Other (Explain):		
☒ Plugging		☐ Remedial Work				

Detailed account of work done, nature and quantity of materials used, and results obtained.

We plugged and abandoned subject well as follows:

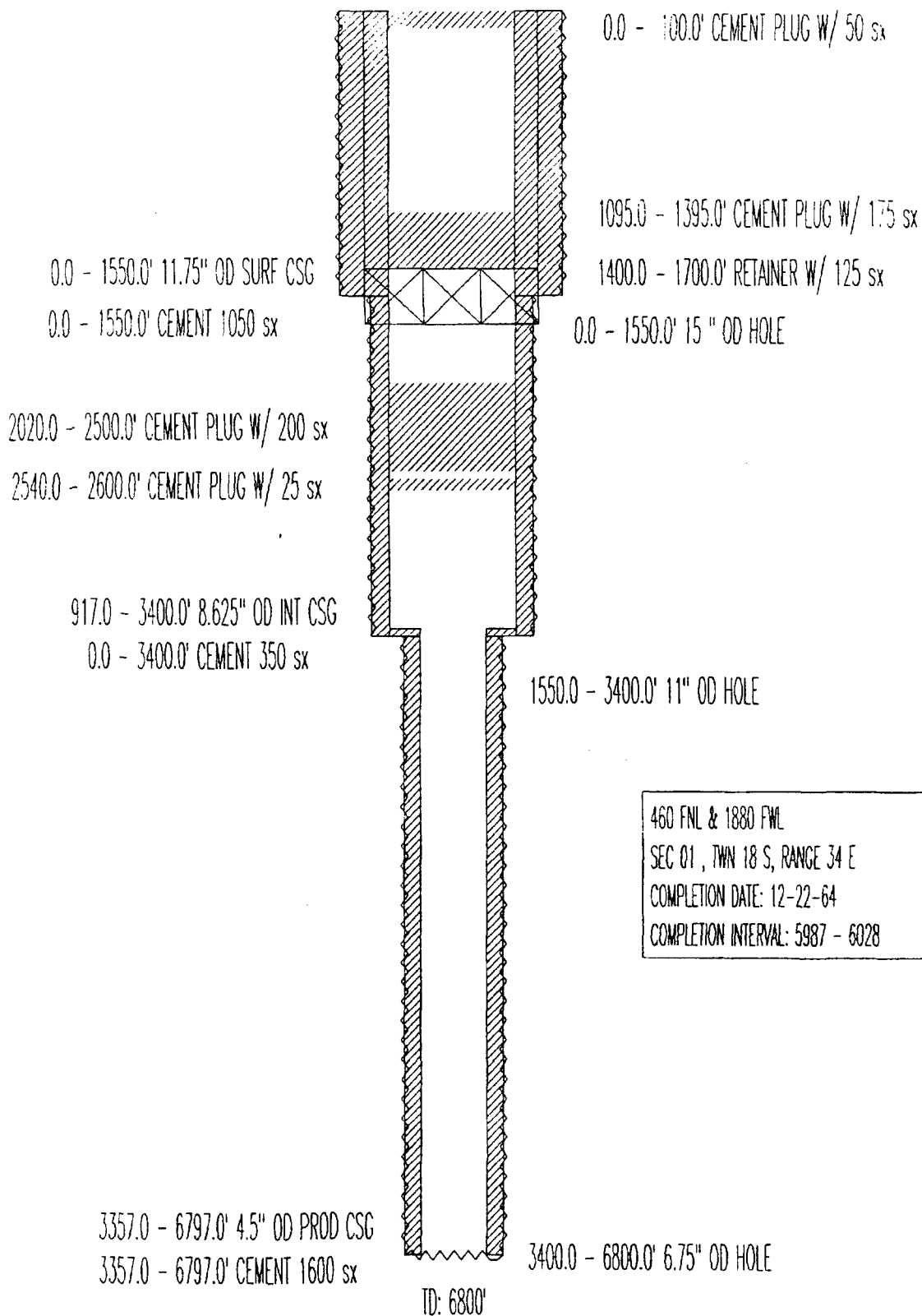
1. Spot plug No. 1, 45 sx, 9400' to 9500'.
2. Spot plug No. 2, 45 sx, 8039' to 8139'.
3. Spot plug No. 3, 45 sx, 6166' to 6266'.
4. Spot plug No. 4, 45 sx, 4907' to 5007'.
5. Cut 9-5/8" casing at 1146' and recover 1127'.
6. Spot plug No. 5, 45 sx, 1009' to 1172'.
7. Spot plug No. 6, 25 sx, 305' to 335'.
8. Spot 15 sx surface plug, installed 4" marker extending 4' above ground level, cleaned location as per NMOC regulations. Plug and abandon complete 1:00 A.M. September 4, 1961.

3 3/8 surf casing @ 322' w/ 350 sx. hole size est. @ 13"

8 3/8 Prod. " " 4957 w/ 900 sx. TOC @ 2128' by calc. hole size est @ 11"

Witnessed by M. E. Crews		Position Drilling Foreman		Company TEXACO Inc.		
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY						
ORIGINAL WELL DATA						
D F Elev.	T D 9500'	P B T D		Producing Interval	Completion Date	
Tubing Diameter		Tubing Depth		Oil String Diameter	Oil String Depth	
Perforated Interval(s)						
Open Hole Interval			Producing Formation(s)			
RESULTS OF WORKOVER						
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						
OIL CONSERVATION COMMISSION				I hereby certify that the information given above is true and complete to the best of my knowledge.		
Approved by <i>Leslie A. Clements</i>				Name <i>J. G. Elevins, Jr.</i>		
Title				Position Assistant District Superintendent		
Date				Company TEXACO Inc.		

TEXACO E&P INC.
NM 4" CT #6
API# 3002520940



460 FNL & 1880 FWL
SEC 01, TWN 18 S, RANGE 34 E
COMPLETION DATE: 12-22-64
COMPLETION INTERVAL: 5987 - 6028

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OPERATOR	

CONSERVATION DIVISION
P. O. BOX 2084
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-

3a. Indicate Type of Lease
State ☒
3. State Oil & Gas Lease No.
B-1080-1

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.

OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Unit Agreement Name
Name of Operator TEXACO Inc.	8. Farm or Lease Name N.M. "M" State
Address of Operator Drawer 728, Hobbs, New Mexico 88240	9. Well No. 6
Location of Well UNIT LETTER C 1880 FEET FROM THE West LINE AND 460 FEET FROM THE North LINE, SECTION 1 TOWNSHIP 18-S RANGE 34-E N.M.P.M.	10. Field and Pool, or Vicinity Vacuum Glorieta a Blinebry
11. Elevation (Show whether DF, RT, GR, etc.) 4006' (DF)	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	
OTHER Set add'l. plugs in P&A well			

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. Rigged up. Pulled 2-7/8" tubing from cement retainer at 1395'.
2. Set 175 sx. Class "H" cement plug from 1395-1095'.
3. Spot 25 sx. Class "H" cement plug from 50' to surface.
4. Install dry-hole marker. Clean location.
5. Return to P&A status 10-22-80.

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

SIGNED <u><i>J. A. Huff</i></u>	TITLE Ass't. Dist. Supt.	DATE 10-23-8
APPROVED BY <u><i>A. H. Strickman</i></u>	TITLE OIL & GAS INSPECTOR	DATE JUN 22 1981
CONDITIONS OF APPROVAL, IF ANY:		

COPIES RECEIVED	
DISTRIBUTION	
DATE	
FILE	
USE	
LAND OFFICE	
TRANSFER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company TEXACO Inc.		Address P. O. Box 728 - Hobbs, New Mexico			
Lease State of New Mexico "M"	Well No. 6	Unit Letter C	Section 1	Township 18-S	Range 34-E
Date Work Performed December 22, 1964	Pool Vacuum Glorieta & Blinbry			County Lea	

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement job
 ☐ Other (Explain):
☒ Plugging
 ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

Subject well has been plugged and abandoned as follows:

1. Recover 2483' of 8 5/8" O. D. Casing.
2. Spot 25 Sx Cement plug at 2600'.
3. Spot 200 Sx Cement plug at 2500'.
4. Spot 125 Sx Cement plug from 1400' to 1700'.
5. Spot surface plug, 50 Sx Cement from 0' to 100'.
6. Location cleaned for inspection, installed 4" marker extending 4' above ground level, as per New Mexico Oil Conservation Commission regulations, plug and abandon complete, 6:30 P. M. December 22, 1964.

Witnessed by L. S. Webber	Position Production Foreman	Company TEXACO Inc.
-------------------------------------	---------------------------------------	-------------------------------

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	

Perforated Interval(s)

Open Hole Interval	Producing Formation(s)
--------------------	------------------------

RESULTS OF WORKOVER

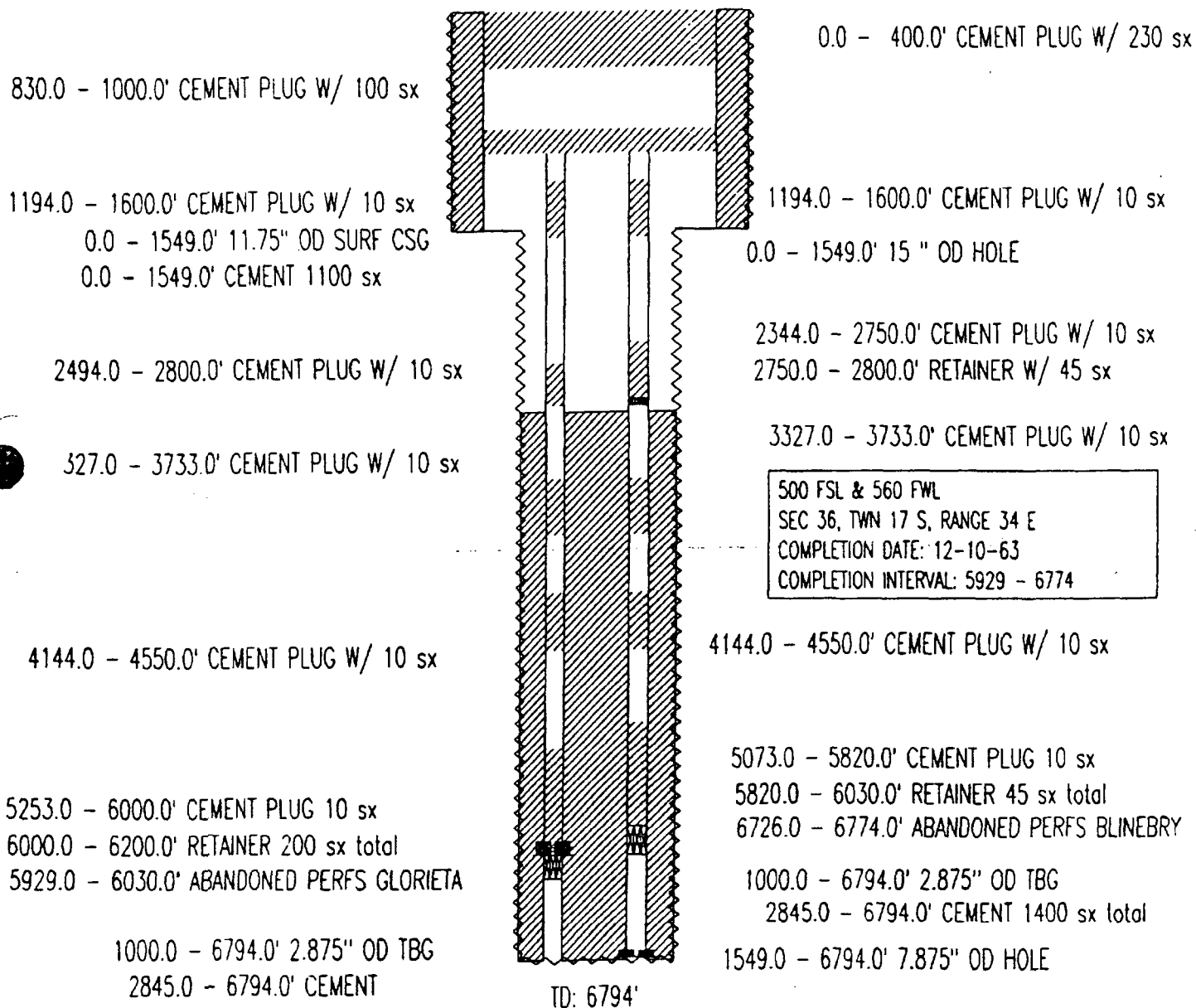
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Signature <i>Leslie A. Clements</i>	Name <i>W. E. Morgan</i>
Title	Position Assistant District Superintendent
Date	Company TEXACO Inc.

TEXACO E&P INC.
 NM "O" ST.NCT-1 #22
 API# 3002520319



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

OIL CONSERVATION DIVISION

P.O. Box 2083

Santa Fe, New Mexico 87504-2083

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

DISTRICT III
1000 Las Brisas Rd., Aztec, NM 87410

WELL API NO.
30-025-20319

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-155-1

7. Lease Name or Well Agreement Name
New Mexico "O" ST NCT-1

8. Well No.
22

9. Pool name or Wildcat
Vacuum Glorieta/Blineberry

SUNDY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
Texaco ESP Inc.

3. Address of Operator
P.O. Box 730; Hobbs, NM 88240

4. Well Location
Unit Lease M : 500 Feet From The South Line and 560 Feet From The West Line
Section 36 Township 17S Range 34E NMPM Lea County

10. Elevation (Show whether DP, RKB, RT, CR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1101.

2: MIRU P/U L/D Rods Notify OCD 1/21/96.
3: RU WL Truck RIH on z side Tag @ 6028 w/ gauge ring RIH on y side to 6400
4: Finish RIH w/ 2 1/16" TBG sting into CICR in y side 6000' Get a rate on a vacuum. Load back side test to 1000 PSI
Mix & Pump 45 sx Cmt well on a vacuum WOC test 4 PM. RIH w/ 40 stands Load back side test to 1000 PSI Get on TF
Pump BBLs well on vacuum. Mix & Pump 45 sx CL C Cmt Well on vacuum. Pulled 40 stand Shut dwn. Test on 1/25 Well
went on a vacuum on y side. Mix & Pump 45 sx CL C Cmt Well on vacuum. Pulled 40 stand Shut dwn. Test on 1/25 Well
at 5820 sqz off 1500 PSI Cap CICR @ 5820 in z side 10 sx Cmt POOH Shut dwn.
5: RIH on y side sting into CICR @ 6000 Could Pump into Perf 3200-1 bbl/min sting out Mix 45 sx Cmt Got 3400 Below P:
up to 3500 PSI Stop Pumping Held 2000 PSI POOH on y side.
6: RIH on z side Spot 10 sx 4550 - 4144 POOH to 3733 Spot 10 sx 3733 - 3327 POOH
7: RIH on y side Tag Cmt 5253 POOH 4550 - 4144 POOH to 3733 Spot 10 sx 3733 - 3327 POOH
8: RIH on y side Tag Cmt 5253 POOH 4550 - 4144 POOH to 3733 Spot 10 sx 3733 - 3327 POOH
9: RIH w/ Perf Gun Perf @ 2800 on z side POOH RIH w/ 2 7/8 CICR Set @ 2750 RIH w/ 2 1/16 TBG & Stinger SQZ CL C Cmt
Below CICR @ 2750 O Press POOH Shut Dwn
10: RIH w/ stinger sting into RET on z side Test 1000 PSI Held Good Sting Out Pump 10 sx Plug on top of CICR @ 2750-234
POOH Take stinger off back in hole to 1600 Spot 10 sx CL C Plug 1000-1194 POOH z side RIH on y side 1600 mix 1000
CL C Plug 1000-1194 POOH cut 2 7/8 CSB on y side @ 1000' Load csg cut csg on z side Mix & Pump 100 sx CL
Plug @ 1000' POOH Shut Dwn for the day. (Continued on Back of Form.)

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

SIGNATURE [Signature] TITLE P&A Supervisor DATE 2/2/96

TYPE OR PRINT NAME _____ TELEPHONE NO. _____

(This space for state use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL IF ANY:

1. 1000-1194

Tag Cat in 11 3/4 830' POOH to 400' Circulate 11 3/4 Pipe to Surf w/ 230 ax CL C Cat RD move off
Plugged Out 2/2/96. Cut Well head off Weld on Dry Hole Marker.

TEXACO E&P INC.
NM "R" ST.NCT-2 #5
API# 3002521424

0.0 - 30.0' CEMENT PLUG W/ 15 sx
296.0 - 400.0' CEMENT PLUG W/ 45 sx

0.0 - 1550.0' 10.75" OD SURF CSG
0.0 - 1550.0' CEMENT 800 sx

0.0 - 1550.0' 15 " OD HOLE
1320.0 - 1778.0' CEMENT PLUG W/ 375 sx

2346.0 - 2750.0' CEMENT PLUG W/ 10 sx

330 FNL & 1650 FEL
SEC 02, TWN 18 S, RANGE 34 E
COMPLETION DATE: 05-13-65
COMPLETION INTERVAL: 5020 - 6182

4566.0 - 4790.0' CIBP 10 sx

1778.0 - 6248.0' 2.875" OD TBG
2650.0 - 6248.0' CEMENT 1200 sx

5020.0 - 5946.0' ABANDONED PERFS SAN ANDRES
5980.0 - 6000.0' CIBP 16' CMT
6052.0 - 6182.0' ABANDONED PERFS GLORIETA
1550.0 - 6248.0' 6.75" OD HOLE

TD: 6248'

to Appropriate
District Office

Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

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

OIL CONSERVATION DIVISION

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

DISTRICT II
O. Drawer DD, Artesia, NM 88210

III
1 Brazos Rd., Aztec, NM 87410

WELL API NO.

3002521424

1. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

B-1306-1

7. Lease Name or Unit Agreement Name

New Mexico "R" State NCT-2

8. Well No.

5

9. Pool name or Wildcat

Vacuum Grayburg San Andres

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

2. Name of Operator

Texaco E&P Inc.

3. Address of Operator

P.O. Box 730 Hobbs, NM 88240

4. Well Location

Unit Letter B : 330 Feet From The North Line and 1650 Feet From The East Line

Section 2

Township 18S

Range 34E

NMPM

Lea

County

10. Elevation (Show whether DP, RKB, RT, GR, etc.)

4011 GL

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data.

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PLUG OR ALTER CASING ☐

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☒

CASING TEST AND CEMENT JOB ☐

OTHER ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 3-9-95 Notify NMOCD of intent to plug & abandon well.
- 3-10-95 Rig up wire line set CIBP @ 4790. Pick up 2-1/16" workstring, TIH w/tag CIBP; mix & circ. well w/25# per bbl. salt gel mud.
- 3-10-95 Cap CIBP @ 4790 w/10sx cmt. cal TOC 4566'.
- 3-13-95 Jet cut csg. 2700'. pipe not free.
- 3-14-95 Spot 10sx cmt. @ 2750' displace to 2346' talk to NMOCD Paul Kaute.
- 3-14-95 Jet cut csg. @ 1778. Spot 125sx cmt. plug @ 1778' WOC & tag 3-15-95 no cmt.
- 3-15-95 Spot 125sx cmt. plug @ 1778' WOC 4 hr. Tag @ 1708'.
- 3-15-95 Spot 125sx cmt. plug @ 1708' WOC & tag 3-16-95 @ 1320'.
- 3-16-95 Spot 45sx cmt. plug @ 400'. Cal TOC 296'.
- 3-16-95 Spot 15sx cmt. plug @ 30-surface.
- 3-17-95 Dig out cellar; cut off well head; cap well & install dry hole marker Rig down & move off.

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

SIGNATURE

TITLE

P&A Supervisor

DATE

3-17-95

TYPE OR PRINT NAME

J. Calder

TELEPHONE NO.

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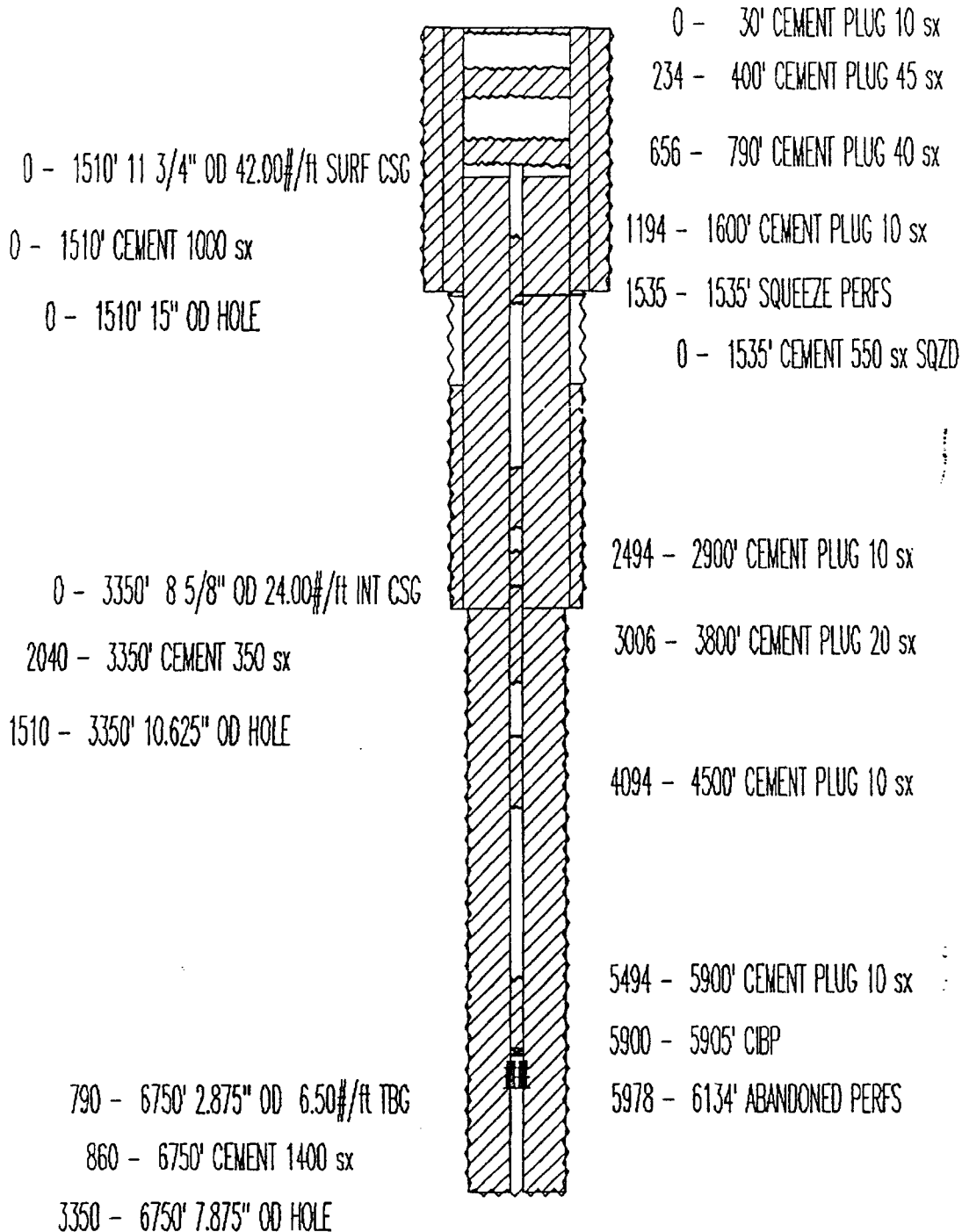
OIL & GAS INSPECTOR

MAY 16 1995

OF APPROVAL BY ANY:

P&A: 4-07-95

TEXACO E&P INC.
NM "L" State No. 7
API# 30 025 20937



760 FNL & 560 FEL
SEC 1, T11N 18 S, RANGE 34 E
ELEVATION: 3991 DF
COMPLETION DATE: 03-03-64

COMPLETION INTERVAL: 5978 - 6134 (GLOR)

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

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

Well API NO.
3002520937
5. Indicate Type of Lease
STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
011045

SUNDRY NOTICES AND REPORTS ON WELLS

NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. Name of Operator
Texaco E&P Inc.
3. Address of Operator
P.O. Box 3109 Midland, Tx 79702
4. Well Location

7. Lease Name or Unit Agreement Name

New Mexico "L" State

8. Well No.

7

9. Pool name or Wildcat
Vacuum Grayburg San Andres

Unit Letter A : 760 Feet From The North Line and 560 Feet From The East Line

Section 1 Township 18S Range 34E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3991 DF

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data.

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☒
PULL OR ALTER CASING ☐		CASING TEST AND CEMENT JOB ☐	
OTHER: ☐		OTHER: ☐	

12. Describe the Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed operations).
SEE RULE 1103.

- 4-4-95 Notify OCD of intent to plug.
- Set 2-7/8 CIBP at 5900ft.
- 4-5-95 Tag CIBP at 5900ft. Circ. hole w/10PPC. Salt gel mud. Spot 10sx cmt. at 5900ft. to cap CIBP TOC at 5494'.
- Spot 10sx at 4500'. TOC at 4094'.
- Spot 20sx cmt. at 3800'. TOC at 3006'. Tagged.
- 4-6-95 Spot 10sx cmt. at 2900'. TOC at 2494'.
- 4-6-95 Spot 10sx at 1600'. TOC at 1194'.
- Cut 2-7/8 tbg. at 790'. Spot 40sx cmt. at 790'. WOC 4-7-95 Tag TOC at 656'.
- 4-7-95 Spot 45sx cmt. at 400'. TOC at 234'.
- Spot 10sx cmt. at surf. from 30'.
- Cut off well head & install dryhole marker. Clean location.

Plugging OK'd by
J.S. per Donna
5-1-95
S

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

SIGNATURE Larry Dickson TITLE P&A Supervisor DATE 4-7-95

TYPE OR PRINT NAME Larry Dickson TELEPHONE NO. 915-563-2805

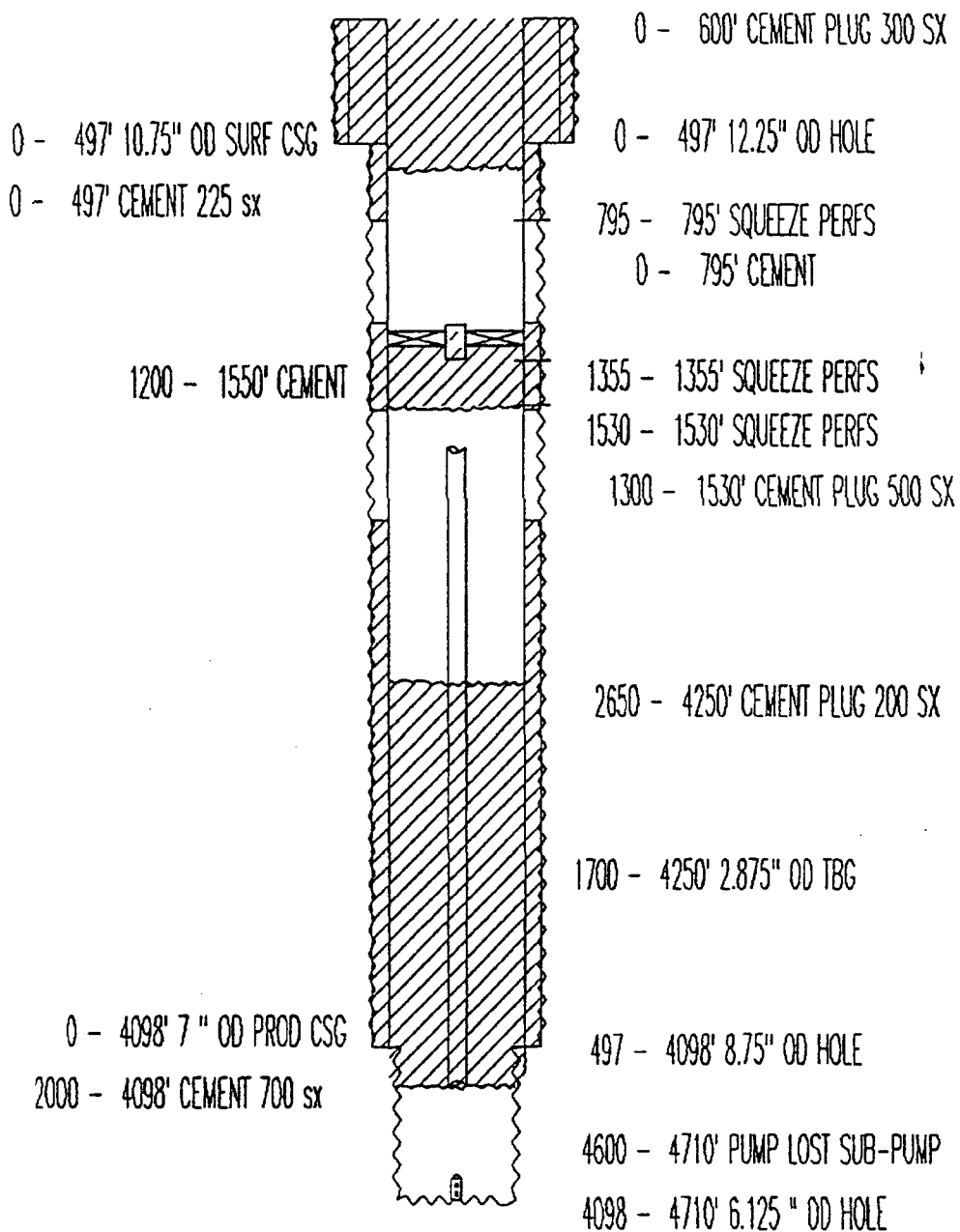
(This space for State Use)

APPROVED BY Larry W. Hill TITLE OIL & GAS INSPECTOR DATE JUN 03 1995

CONDITIONS OF APPROVAL, IF ANY:

P&A: 12-19-90

TEXACO E&P INC.
CENTRAL VACUUM UNIT No. 98
API# 3002503075

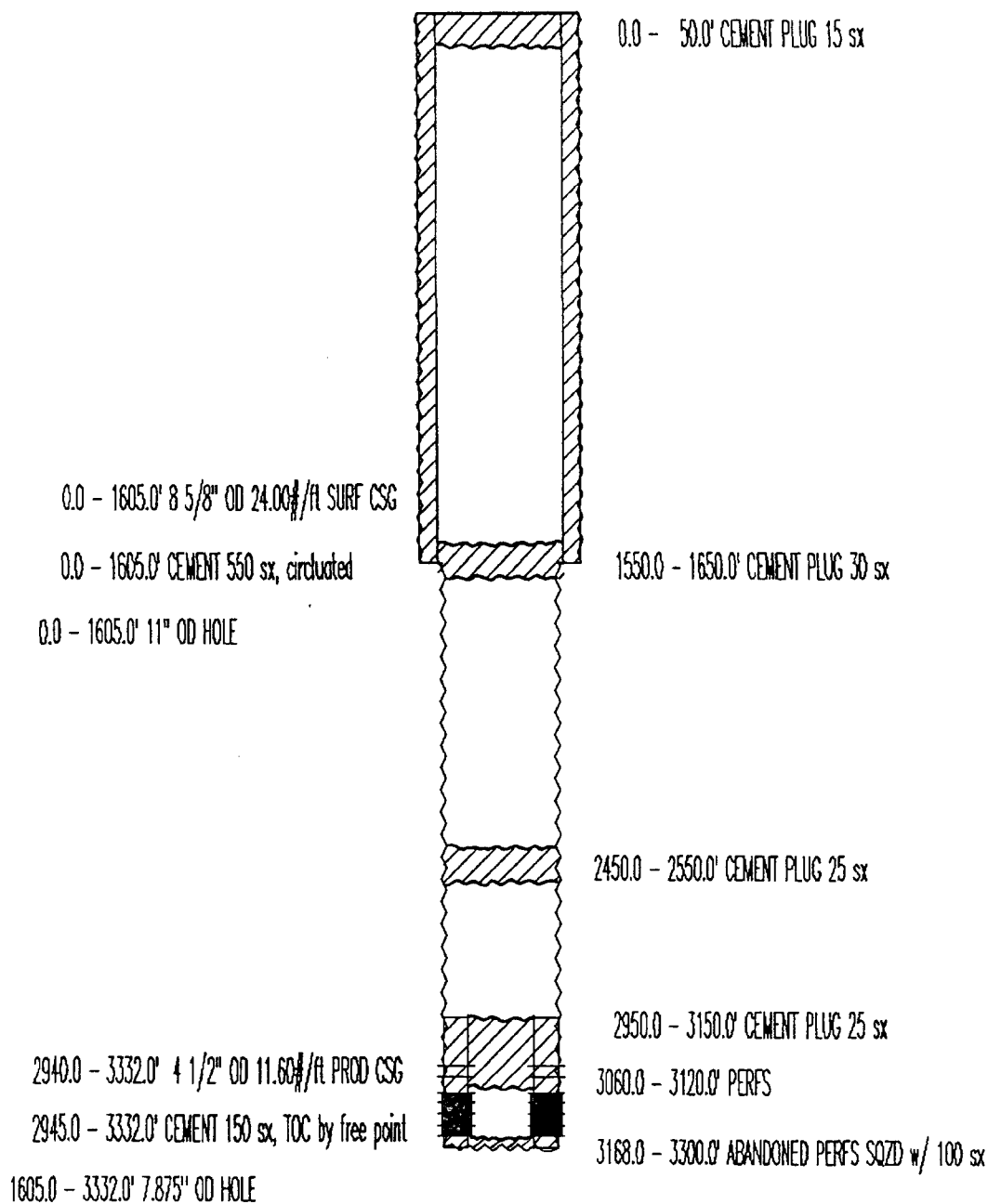


660 FNL & 484 FWL
SEC 6, T14N 18 S, RANGE 35 E
ELEVATION: 3995 ES
COMPLETION DATE: 09-28-38

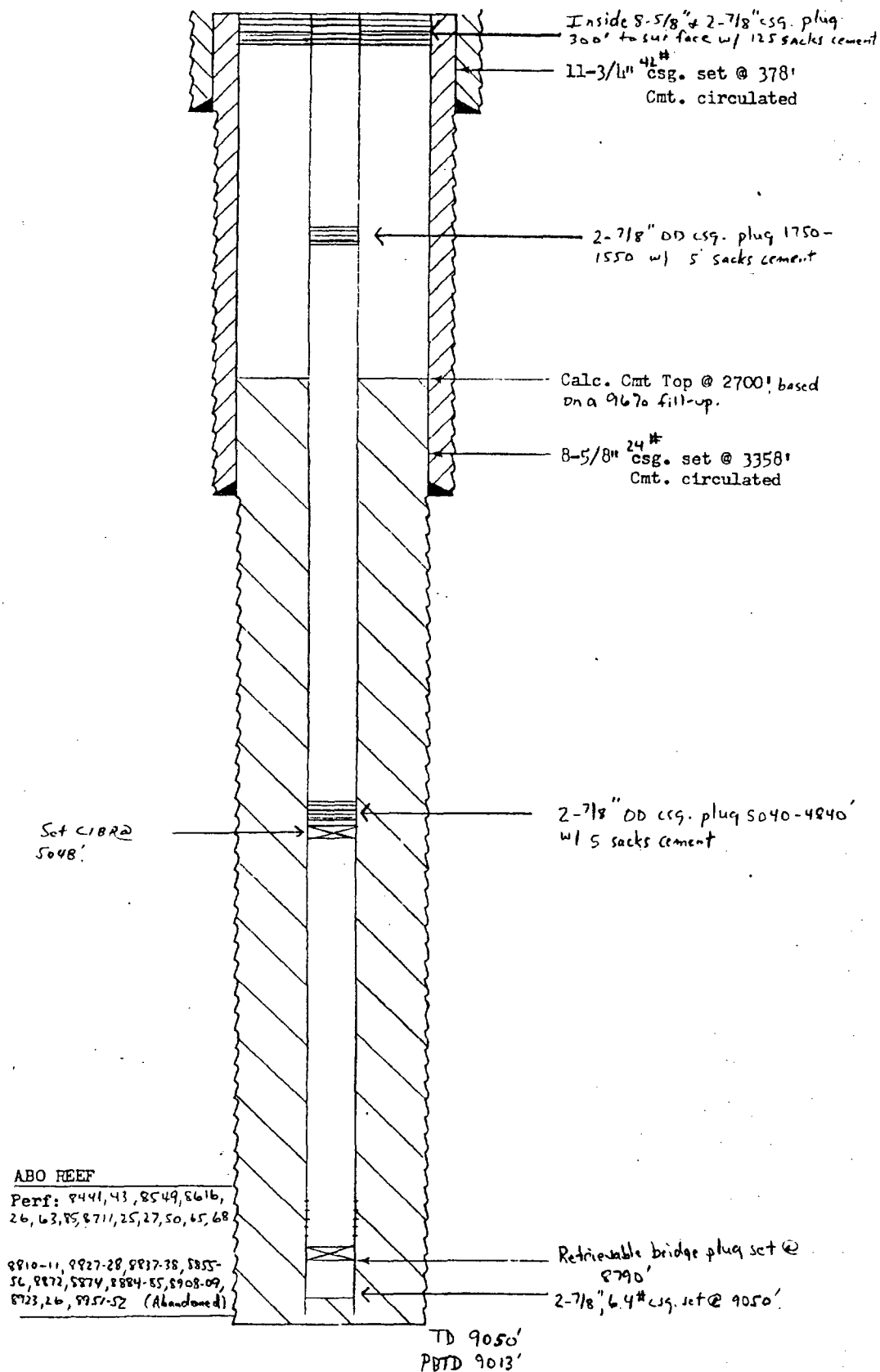
COMPLETION INTERVAL: 4089 - 4710 (GBSA)
Former Marathon Worn Slate A/C-2 #1

Spud 5-27-59
P&A: 10-12-59

TEXACO E&P INC
NM "R" STATE NCT-3 No. 14
API# 30 025 xxxxx



990 FSL & 660 FWL
SEC 1, T1N 18 S, RANGE 34 E
ELEVATION: 4007' GL
COMPLETION DATE: 06-26-59
COMPLETION INTERVAL: 3060 - 3120 (7Rivers)



TEXACO Inc.
NEW MEXICO "AE" STATE (NCT-L) NO. 11
VACUUM FIELD
LEA COUNTY, NEW MEXICO

DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
B-1258-1	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Unit Agreement Name
2. Name of Operator TEXACO INC.	8. Farm or Lease Name N.M. 'AE' State
3. Address of Operator P.O. Box 728 - Hobbs, New Mexico 88240	9. Well No. 14
4. Location of Well UNIT LETTER <u>B</u> <u>990</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>East</u> LINE, SECTION <u>11</u> TOWNSHIP <u>18-S</u> RANGE <u>34-E</u> NMPM.	10. Field and Pool, or Wildcat Vacuum Abo Reef
15. Elevation (Show whether DF, RT, GR, etc.) 4013' (DF)	12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☒
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. Rig up.
2. Set CIBP @ 5048'.
3. Plug & abandon subject well with following cement plugs:
2 7/8" OD csg plug 5040-4840 w/5 sacks cement
2 7/8" OD csg plug 1750-1550 w/5 sacks cement
Inside 8 5/8" & 2 7/8". Csg plug 300' - surface w/125 sacks cement.
4. Well plugged & abandoned 10-29-75.
5. Install Dry Hole Marker. Clean location.

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

SIGNED [Signature] TITLE Assistant District Supt. DATE 11-5-75
APPROVED BY [Signature] TITLE Geologist DATE
CONDITIONS OF APPROVAL, IF ANY:

0 - 1462' Cement 650 sx
860 - Displaced hole w/ 9.5"
Cut cog @ 200' & fill 8 5/8"
w/ cement 200' to surface w/
11/8" 5/8"
0 - 1462' 11" OD Openhole

0 - 1462' 8.625" OD Surface Casing

860 perf 1600' & sg 755' to 1410'
Tag @ 1300' (to surface)

860 perf 2850' & sg 505' to 2600'
Tag @ 2583'

3264 - 6850' Cement 900 sx (CBL)

1462 - 6850' 7.625" OD Openhole

1660 FNL & 660 FEL

SEC 1, TWN 18 S, RANGE 34 E

ELEVATION: 3994 ES

COMPLETION DATE: 11-12-64

COMPLETION INTERVAL: 6053 - 6067 (GLRT)

TRT: 1500 GALS ACID (6053 - 6067)

IP: 180 BOPD, 0 MCFD, 0 BWPD (FLOWING)

CURRENT STATUS: SHUT-IN

860
CIBP @ 5950' fill to 3000' w/ 755' & 5

6053 - 6067' Perfs

6001 - 6207' Perfs (12/87)

0 - 6849' 2.875" OD Tubing

PBTD: 6840'

TD: 6850'

6754 - 6840' Bar Fish (2 1/16" TBC)

Submit 3 Copies To Appropriate District Office
District I
23 N. French Dr., Hobbs, NM 88240
District II
1 South First, Artesia, NM 88210
District III
400 R. 200 S. Rd., Aztec, NM 87410
District IV
40 S. 1st St., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO. 30-025-20939
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-1733-1
7. Lease Name or Unit Agreement Name: Vacuum Glorieta West Unit
8. Well No. #125
9. Pool name or Wildcat Vacuum Glorieta

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

Type of Well:

Oil Well ☒ Gas Well ☐ Other ☐

Name of Operator

Texaco Exploration & Production, Inc.

Address of Operator

P. O. Box 3109, Midland, Texas 79702

Well Location

Unit Letter H : 1660 feet from the North line and 660 feet from the East line

Section 1 Township 18-S Range 34-S NMPM Lea County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

REPAIR OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

. Set 2 7/8" CIBP @ 5950'
. RIH w/W.S. Tag CIBP @ 5950', fill 2 7/8" csg. w/75 sxs cmt 5950'-3000'
. Perf 6 holes @ 2850', squeeze w/50sx cmt 2850'-2600', Tag 2583'
(Yates B-Salt)
Per 6 holes @ 1600', squeeze w/75 sx cmt 1600'-1410', Tag 1300'
(T-Salt)
Displace hole w/MLF w/9.5# brine, w/25# gel per/bbl
Cut 2 7/8" csg @ 200', fill 8 5/8" csg. w/cmt 200' to surface
w/118 sx cmt
Install dry hole marker 8/22/00

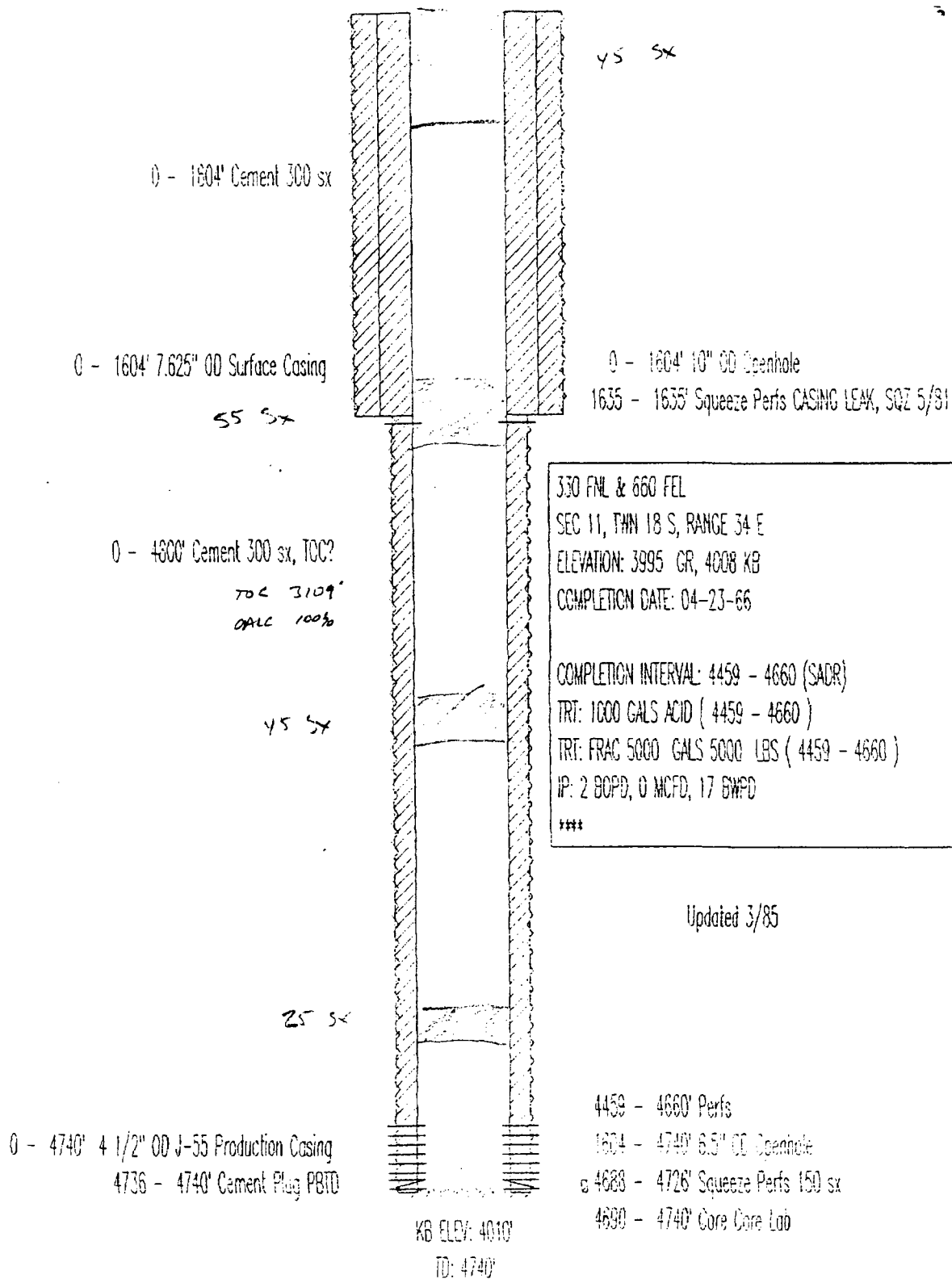
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Poly Albalos TITLE VICE-PRESIDENT DATE 8/22/00

Print name Poly ABALOS Telephone No. (915) 683-4996
Signature (State use)

COPIES BY _____ TITLE _____ DATE _____
For approval, if any:

TEXACO INC
VACUUM GRBG-SADR UN NO. 1
API# 30025990370000



Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

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

WELL API NO. 3002521634
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-1258-1
7. Lease Name or Unit Agreement Name Vacuum Grayburg San Andres Unit
8. Well No. 1
9. Pool name or Wildcat Vacuum GB/SA

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	2. Name of Operator Texaco ESP, Inc.
3. Address of Operator P. O. Box 3109 - Midland, TX 79702	9. Pool name or Wildcat Vacuum GB/SA
4. Well Location Unit Letter A : 330 Feet From The North Line and 330 Feet From The East Line Section 11 Township 18S Range 34E NMPM Lea County	10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4005 DF

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
OTHER: ☐	PLUG AND ABANDONMENT ☒
	CASING TEST AND CEMENT JOB ☐
	OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

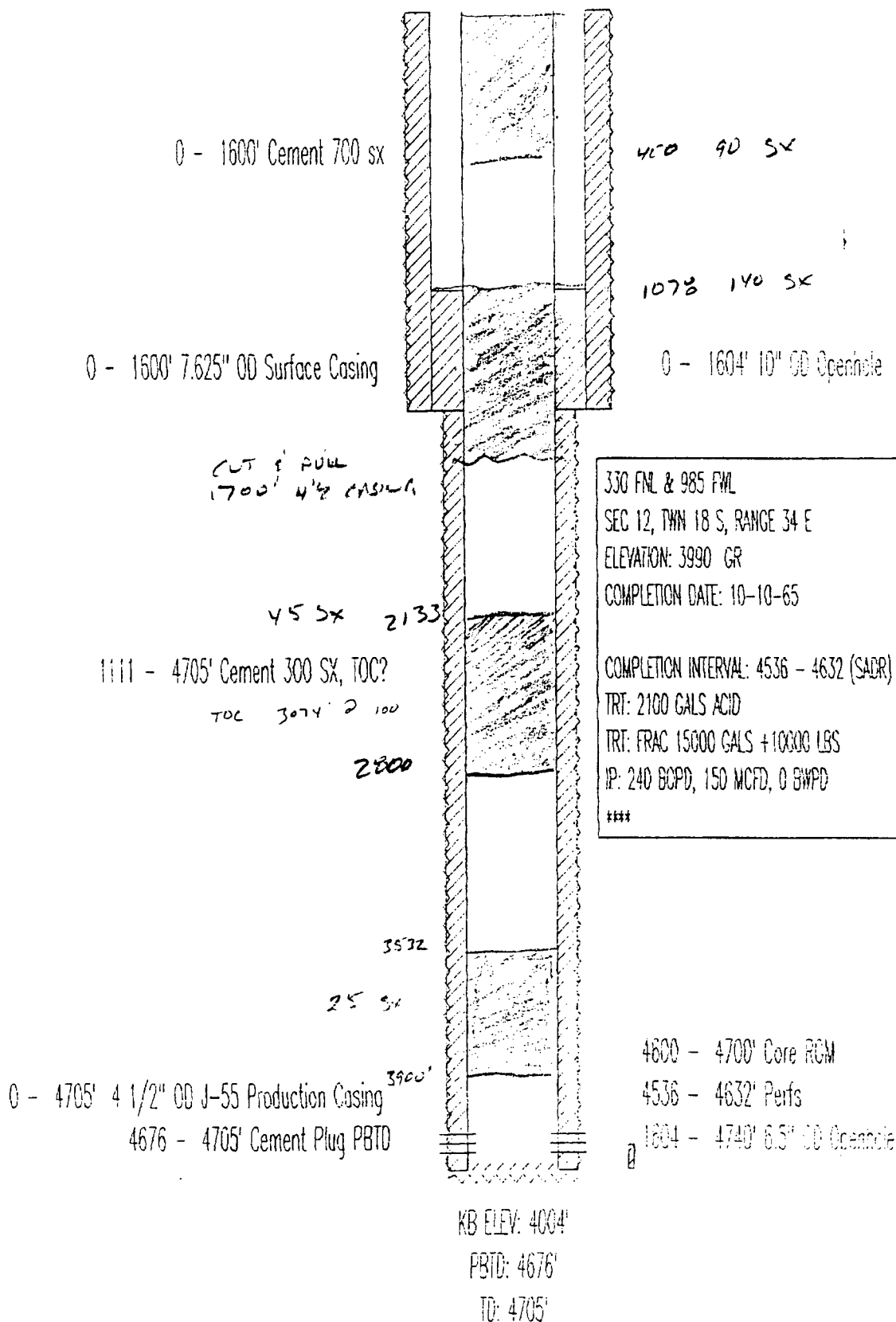
Notify Buddy Hill NM OCD
5-15-95 25 sx @ 3800', Cal. TOC
5-15-95 45 sx @ 2800', Cal. TOC
5-15-95 55 sx @ 1700', Cal. TOC
5-15-95 45 sx @ 400' to 0'

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

SIGNATURE _____ TITLE P&A Supervisor DATE 5/15/95
TYPE OR PRINT NAME James Calder TELEPHONE NO. 915/335-5080

APPROVED BY Jack Griffin TITLE OIL & GAS INSPECTOR DATE JUL 28 1995
CONDITIONS OF APPROVAL, IF ANY:

TEXACO INC
VACUUM GRBC-SADR UN NO. 2
API# 30025990380000



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

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

WELL API NO.	30-025-21421
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Vacuum Graybrug San Andres Unit
8. Well No.	2
9. Pool name or Wildcat	Vacuum GB/SA

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	2. Name of Operator Texaco E&P, Inc.
3. Address of Operator P. O. Box 3109 - Midland, TX 79702	4. Well Location Unit Letter D : 330 Feet From The North Line and 98S Feet From The West Line Section 12 Township 18S Range 34S NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

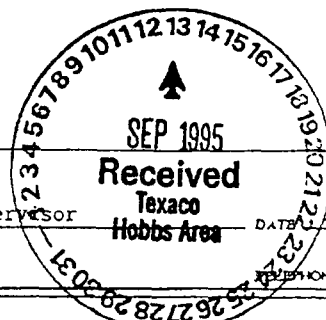
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

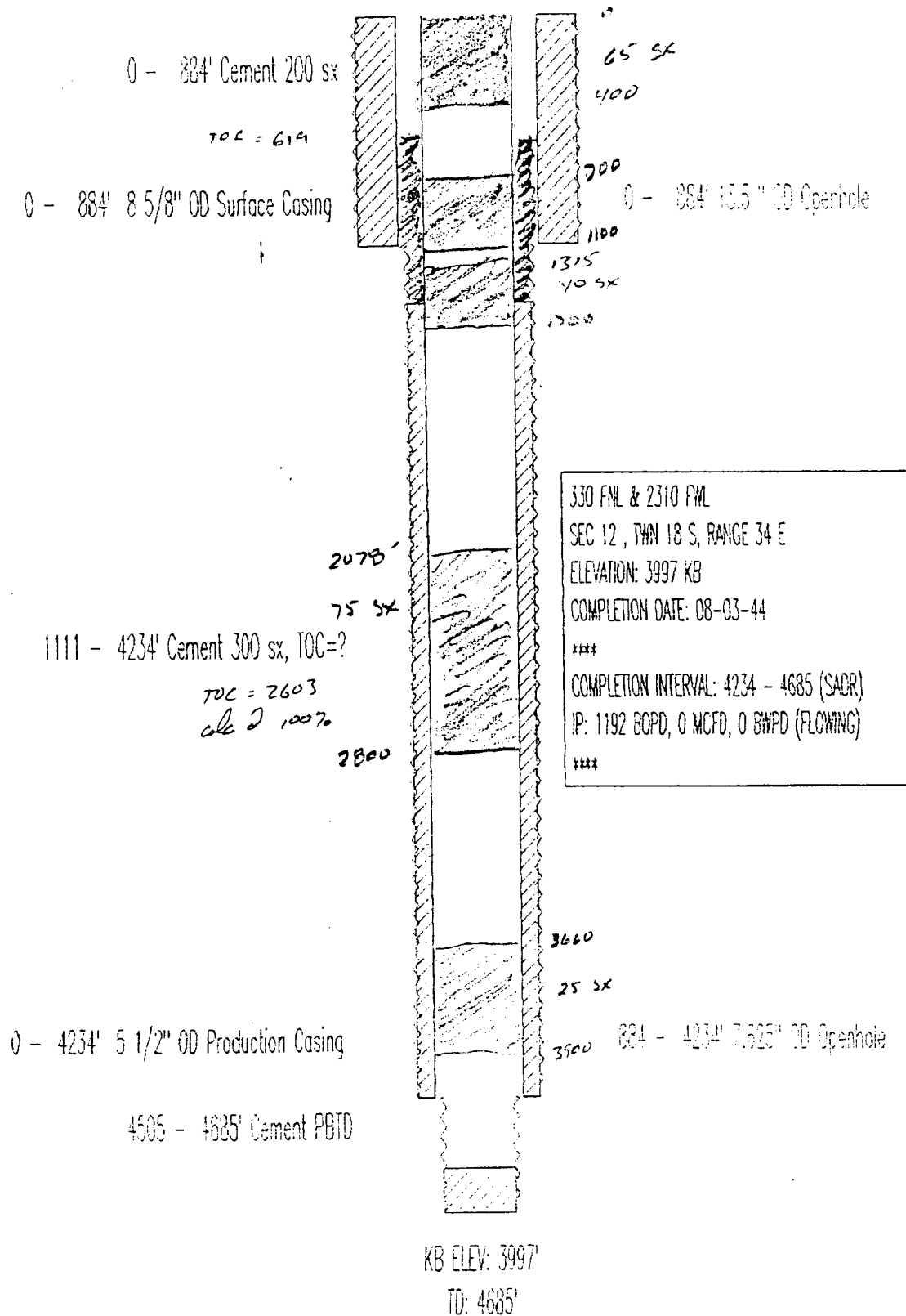
5-15-95 Buddy Hill N.M.O.C.D.
5-16-95 25 sx cmt @ 3900', Cal TOC @ 3532'
5-16-95 45 sx cmt @ 2800', Cal TOC @ 2137'.
5-17-95 Cut and pull 1700' 4 1/2"
5-17-95 140 Sx cmt @ 1750', tag TOC next day @ 1078'.
5-18-95 90 sx ccmt @ 400' to 0'.

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

SIGNATURE _____ TITLE P&A Supervisor
TYPE OR PRINT NAME James Calder
DATE 5-18-95
TELEPHONE NO. 915/335-5080



TEXACO INC
VACUUM GRBG-SADR UN NO. 3
API# 30025990300000



Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

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

WELL API NO.	30-025-02326
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	B-871
7. Lease Name or Unit Agreement Name	Vacuum Grayburg San Andres Unit
8. Well No.	3
9. Pool name or Wildcat	Vacuum GB/SA

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	2. Name of Operator Texaco E&P, Inc.
3. Address of Operator P. O. Box 3109 - Midland, TX 79702	4. Well Location Unit Letter C : 330 Feet From The North Line and 2310 Feet From The West Line Section 12 Township 18S Range 34E NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3994 DF	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
OTHER: ☐	PLUG AND ABANDONMENT ☒
	CASING TEST AND CEMENT JOB ☐
	OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

5-18-95 Buddy Hill N.M.O.C.D.
5-19-95 25 sx cement @ 3900', Cal TOC @ 3660'.
5-19-95 75 sx cement @ 2800', Cal TOC @ 2078'.
5-19-95 40 sx cement @ 1700', Cal TOC @ 1315'.
5-22-95 50 sx cement @ 1100', Displace TOC to 619'. Set packer @ 60', squeeze cement through holes in 5 1/2" @ 998 to 1059'. Displace to 784'. Shut in @ 1800 psi. Tag TOC next day. 700'.
5-23-95 65 sx cement 400' to 0'

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

SIGNATURE _____ TITLE P&A Supervisor DATE 5-23-95
TYPE OR PRINT NAME James Calder TELEPHONE NO. 915/335-508

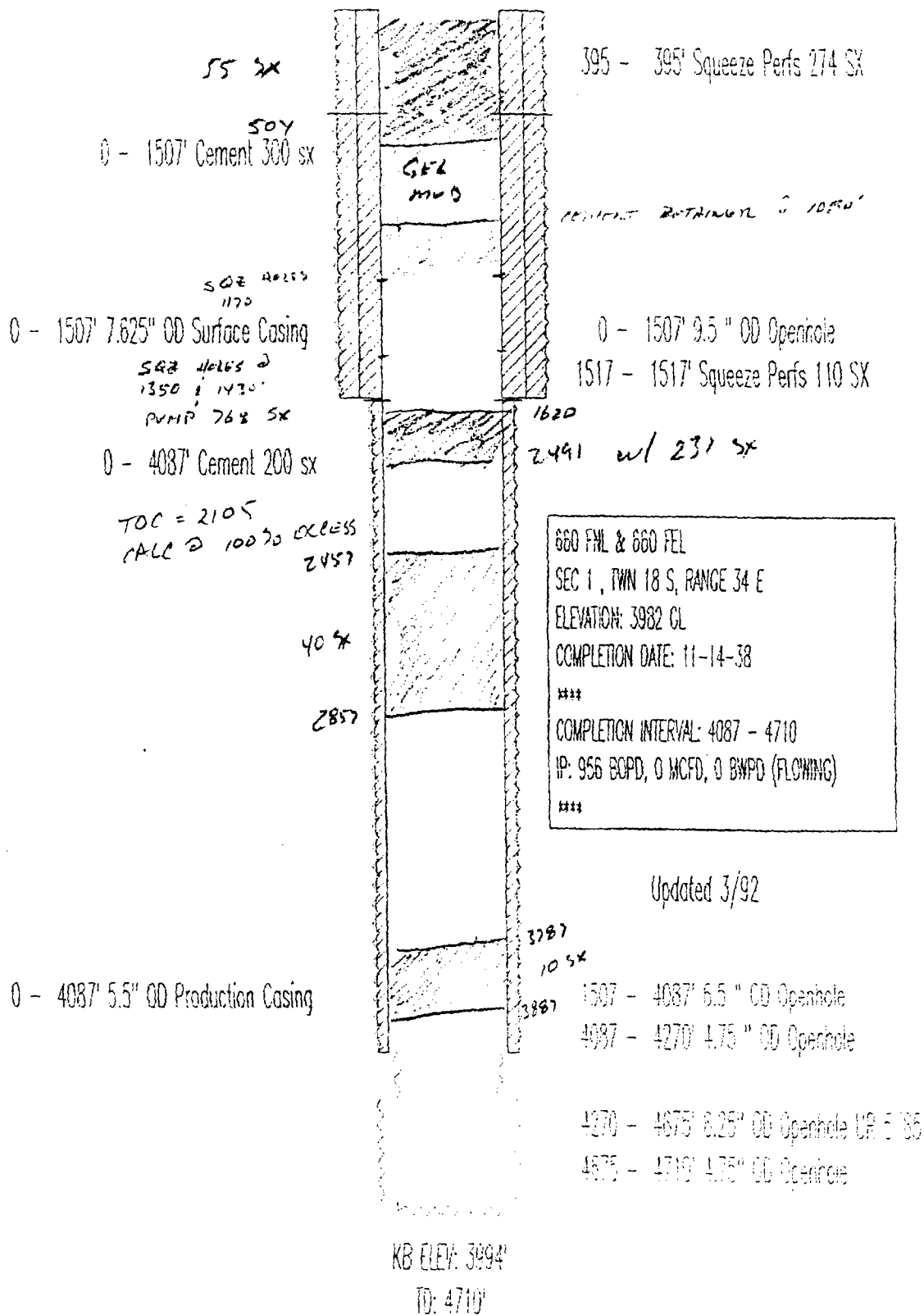
(This space for state use)

ORIGINAL SIGNED BY
GARY WINK
FIELD REP. II

ORIGINAL SIGNED BY
GARY WINK
FIELD REP. II

APPROVED BY _____ TITLE _____ DATE AUG 04 1995
CONDITIONS OF APPROVAL, IF ANY:

TEXACO INC
VACUUM GRBG-SADR UN NO. 58
API# 30025990320000



DISTRICT I

Box 1980, Hobbs, NM 88240

DISTRICT II

Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30 025 02246
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	857948
7. Lease Name or Unit Agreement Name	VACUUM GRAYBURG SAN ANDRES UNIT
8. Well No.	58
9. Pool Name or Wildcat	VACUUM GRAYBURG SAN ANDRES
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

SUNDY NOTICES AND REPORTS ON WELL
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator
205 E. Bender, HOBBS, NM 88240

4. Well Location
Unit Letter A 665 Feet From The North Line and 660 Feet From The East Line
Section 1 Township 18S Range 34E NMPM LEA COUNTY

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐ REPAIR WATER FLOW ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

3-29-99: MIRU. NUBOP. TIH W/RBP SET @ 3887'. DISPL W/FW.
3-30-99: CIRC W/FW & TEST CSG TO 500 PSI. NO TEST. TIH W/PKR SET @ 3846'. TEST RBP TO 1000 PSI-OK. ISOLATE CSG LEAK 2391-2452'.
3-31-99: ISOLATE CSG LEAK FR 2391-2452' ESTAB INJ RATE .5 BPM @ 1300 PSI. REL PKR. TIH W/RBP SET @ 2389'. TIH W/PKR & TEST RBP TO 1000 PSI-OK. TEST CSG TO SURF-OK.
4-01-99: RUN CSG INSPECTION LOG, WATER FLOW LOG, & CMT BOND LOG FR 2391.
4-02-99: TIH W/RETR TOOL. TAG @ 2430'.
4-05-99: TIH W/TBG. TAG @ 2430'. WORK 2430-2460'. TIH W/BENT JOINT & TBG. TAG @ 2430'. TIH W/LEAD BLOCK. TAG @ 2430'. TIH TO 2460' W/BENT JT & TBG.
4-06-99: RU WL. RUN DN HLE W/CAMERA.
4-07-99: TIH W/TAPER TAP, BENT JT & TBG TO 2430'. TIH W/BEVELED JT & TBG. TIH W/SCREW IN GUIDE.
4-08-99: TIH W/WALL HOOK TO 2430'. TIH W/SUB & TBG. TIH W/CSG SWAGE, BMPR SUB & TBG.
4-09-99: TIH W/TBG. ESTAB CIRC.
4-12-99: TIH & WRK FR 2430-2460'. TAG RBP @ 3887'. TIH W/RDS. LD RDS. ✓
4-13-99: JET CUT TBG TO REM BULL PLUG FR TBG. RDWL. DISPL CSG W/BRINE GEL. SPOT 10 SX CL C CMT 3887-3787'. PULL TO 2857'. SPOT 40 SX CL C CMT 2857-2457'. PULL TO 2457'. CIRC W/FW.
4-14-99: TIH W/TBG TO 2491'. PMP 231 SX CL C CMT TO SURF.
4-15-99: TIH & TAG @ 1620'. PERF 2 SQZ HLS @ 1350'. RIG DOWN. TIH W/PKR & TBG & SET @ 1248'.
4-16-99: REL PKR. TIH TO 1437'. SPOT 200 GALS 15% ACID. PSA 1188'. REL PKR. PERF 2 SQZ HLS @ 1350'. PERF 4 HLS @ 1430'. TIH W/PKR & SET @ 1188'. CMT W/768 SX CL C CMT.
4-19-99: REL PKR. RAN WATER FLOW LOG 1210-SURF.
4-20-99: RUN CMT BOND LOG FR 1210' TO SURF. PERF 4 HLS @ 1170'. TIH W/PKR & TBG. SET @ 1080'.
4-21-99: REL PKR. SPOT 100 GALS 15% HCL. RESET @ 1080'. REL PKR. TIH W/CMT RET SET @ 1080'.
4-22-99: RAN CBL & WATER FLOW LOG. NO FLOW. TIH W/TBG TO 1060'. DISPL W/SALT GEL MUD. CMT W/55 SX CL C. NOBOP. RIG DOWN. CLASSIFY WELL PLUGGED AND ABANDONED.

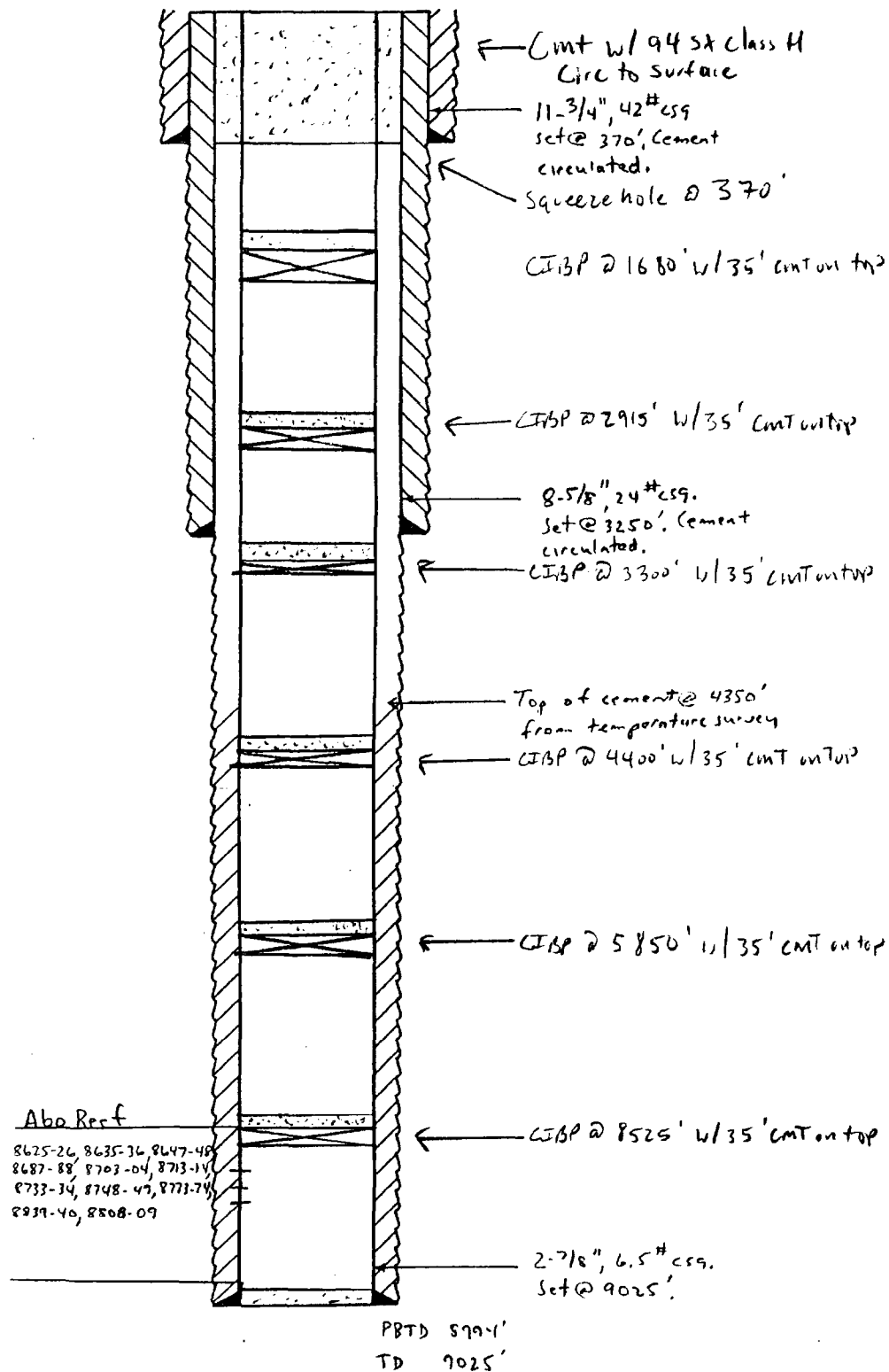
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 5/19/99

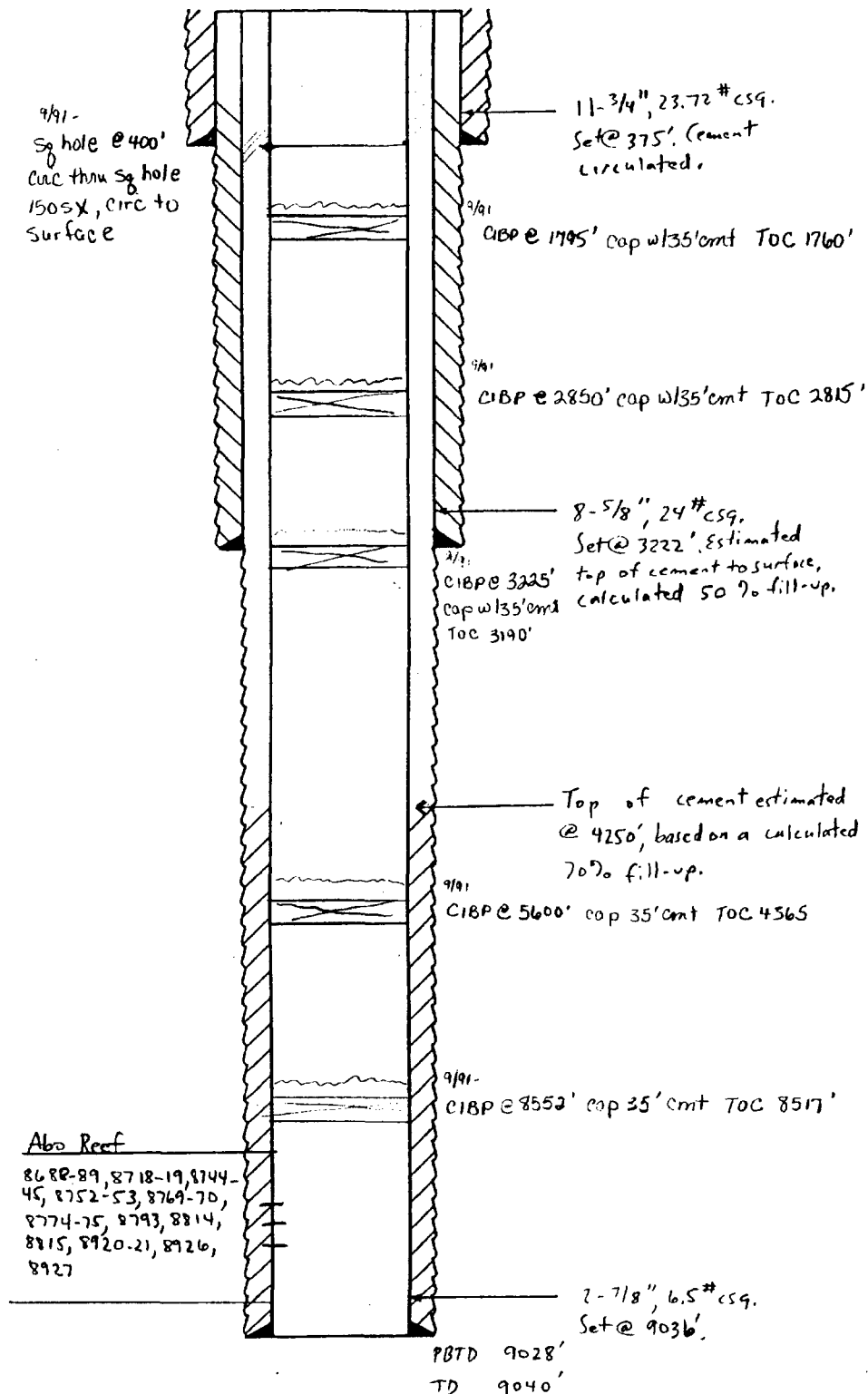
TYPE OR PRINT NAME J. Denise Leake Telephone No. 397-0405

APPROVED BY J. Denise Leake TITLE Engineering Assistant DATE 5/19/99

CONDITIONS OF APPROVAL, IF ANY:



Texaco Inc.
 New Mexico AC State NCT-1 Well No. 8
 Vacuum Abo Reef Pool
 Lea County, New Mexico



TORCO Inc.
New Mexico AC state NCT-1 Well No. 9
Vacuum Abo Reef Pool
Lea County, New Mexico

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

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

DISTRICT III
P.O. Box 100, Aztec, NM 87410

OIL CONSERVATION DIVISION

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

WELL API NO.	30-025-21055
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	B-1189-1
7. Lease Name or Unit Agreement Name	
New Mexico "AC" State NCT-1	
8. Well No.	9
9. Pool name or Wildcat	Vacuum Abo Reef

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	2. Name of Operator Texaco Exploration and Production Inc.
3. Address of Operator P.O. Box 730 Hobbs, New Mexico 88240	4. Well Location Unit Letter <u>N</u> : <u>330</u> Feet From The <u>South</u> Line and <u>2100</u> Feet From The <u>West</u> Line
Section <u>2</u> Township <u>18S</u> Range <u>34E</u> NMPM Lea County	10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4013' DF

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
WELL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
	PLUG AND ABANDONMENT ☒
	CASING TEST AND CEMENT JOB ☐
	OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

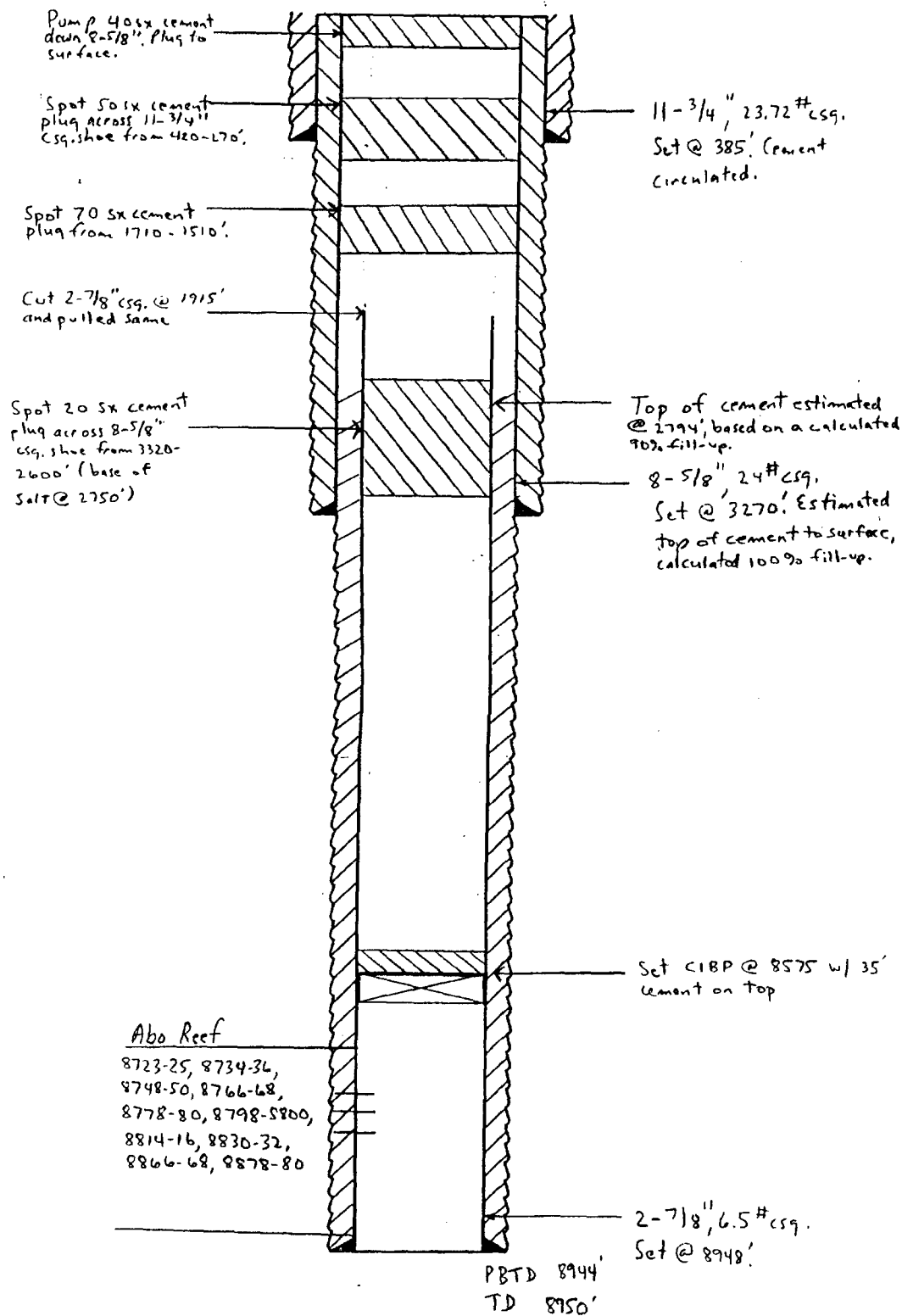
1. Notified NMOCD. MIRU w/P&A equipment. Starting date 9-11-91.
2. TIH w/shoe & 1 5/8" drillpipe; cleanout to 5700'; TOH w/drillpipe.
3. Set CIBP @ 8552', capped w/35' of Class C cmt, TOC @ 8517'.
4. TIH w/DP, circ hole w/mud, TOH laying down DP.
5. Set CIBP @ 5600', capped w/35' of Class C cmt, TOC @ 5565'.
6. Set CIBP @ 4400', capped w/35' of Class C cmt, TOC @ 4365'.
7. Set CIBP @ 3225', capped w/35' of Class C cmt, TOC @ 3190'.
8. Set CIBP @ 2850', capped w/35' of Class C cmt, TOC @ 2815'.
9. Set CIBP @ 1795', capped w/35' of Class C cmt, TOC @ 1760'.
10. Perf squeeze hole @ 400', established circulation through squeeze hole.
11. Pumped 150 sxs Class C cmt down 2 7/8 csg and circulated to surface.
12. Cut off wellhead, installed dry hole marker, cleaned location. Completion date 9-16-91.

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

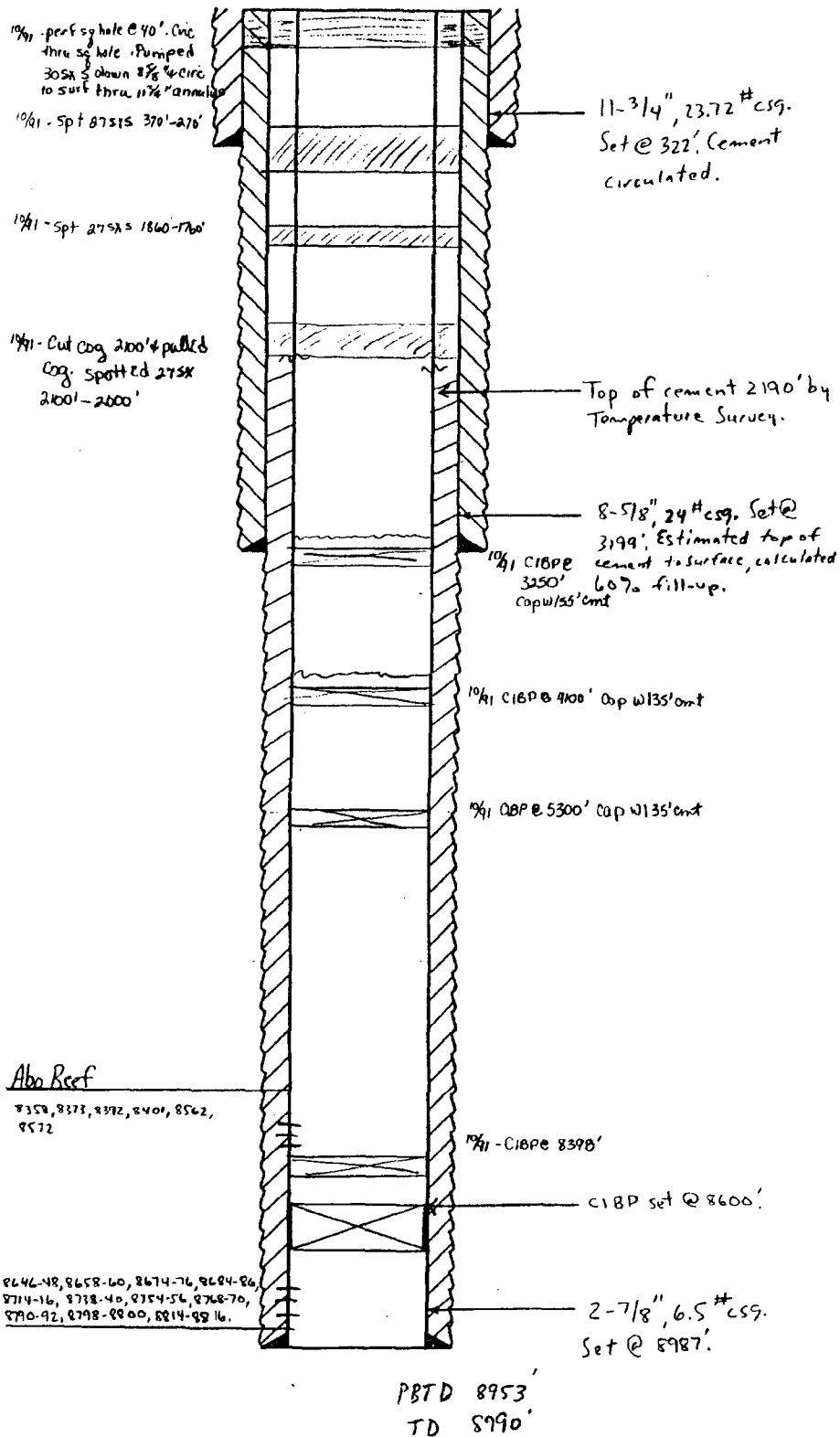
SIGNATURE M.C. Duncan TITLE Engineer's Assistant DATE 9-16-91
TYPE OR PRINT NAME M.C. Duncan TELEPHONE NO. 393-7191

(This space for State Use)

APPROVED BY Lyle E. Turnachiff TITLE OIL & GAS INSPECTOR DATE OCT 07 1991
REVISIONS OF APPROVAL, IF ANY:



Texaco Inc.
 New Mexico "AE" State Well No. 8
 Vacuum Abo Reef Pool
 Lea County, New Mexico



Texaco Inc.
 New Mexico AE State well No. 10
 Vacuum Abo Reef Pool
 Lea County, New Mexico

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

DISTRICT II
Drawer DD, Artesia, NM 88210

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

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

WELL API NO.	30-025-20023
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	B-1258-1
7. Lease Name or Unit Agreement Name	New Mexico "AE" State
8. Well No.	10
9. Pool name or Wildcat	Vacuum Abo Reef
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	
3999' GL	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	2. Name of Operator Texaco Exploration and Production Inc.
3. Address of Operator P.O. Box 730 Hobbs, New Mexico 88240	4. Well Location Unit Letter: E : 1980 Feet From The North Line and 990 Feet From The West Line Section 12 Township 18S Range 34E NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3999' GL	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
OTHER: ☐	PLUG AND ABANDONMENT ☒
	CASING TEST AND CEMENT JOB ☐
	OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- Notified NMOCD. MIRU w/P&A equipment. Starting date 10-28-91.
- Ran gauge ring to 8358', spud 8358' to 8398'.
- TIH w/shoe & 1 5/8" DP, cleaned out to 8398', TOH w/DP.
- Set CIBP @ 8398', ran freepoint on 8 5/8" casing, free @ 2100'.
- TIH w/tbg, loaded hole w/salt gel mud, TOH w/tbg.
- Set CIBP @ 5300', capped w/35' of Class C cmt.
- Set CIBP @ 4100', capped w/35' of Class C cmt.
- Set CIBP @ 3250', capped w/35' of Class C cmt.
- Cut 8 5/8" csg @ 2100', pulled csg.
- Loaded hole w/mud, spotted 27 sxs Class C cmt from 2100' to 2000'.
- Spt 27 sxs Class C cmt from 1860' to 1760'.
- Spt 27 sxs Class C cmt from 370' to 270'.
- Perf squeeze hole @ 40', established circ to surface through squeeze hole. (CONTINUED ON BACK)

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

SIGNATURE M.C. Amer TITLE Engineer's Assistant DATE 11-18-91

TYPE OR PRINT NAME _____ TELEPHONE NO. _____

page for State Use)

LOVED BY Lyle F. Turnacliff TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

OIL & GAS DIVISION JAN 27 '92

14. Pumped 30 sxs Class C cmt down 8 5/8" csg until circulated to surface through 11 3/4" annulus.
- 15.. Cut off wellhead, installed dry hole marker, cleaned location.
Completion date 11-14-91.

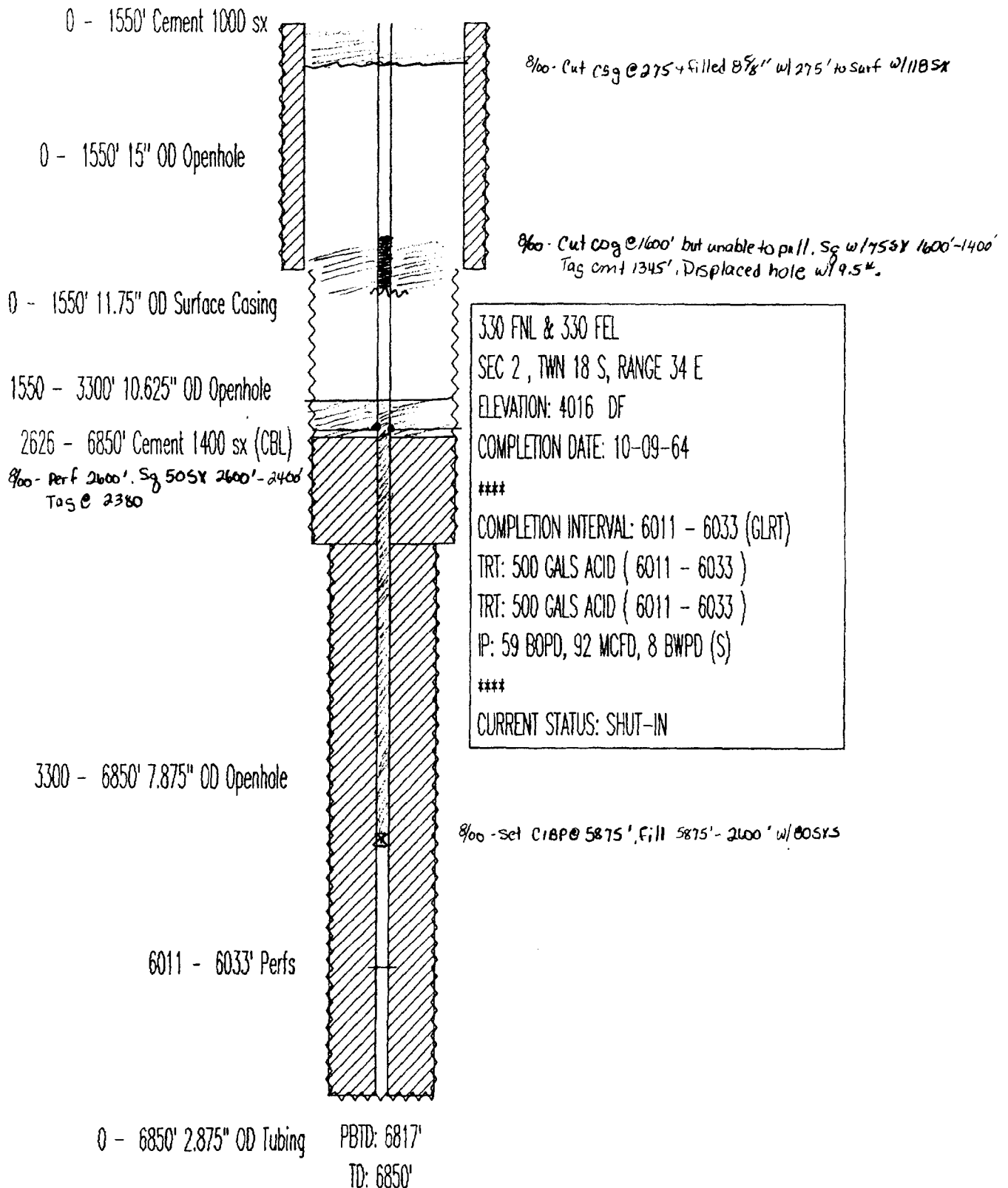
RECEIVED

NOV 19 1991

NOV 19 1991

VGWU #111

TEXACO
NEW MEXICO U STATE NO. 3
API# 30025211110000



Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO.
30-025-2111L

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-867-1

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS.)

7. Lease Name or Unit Agreement Name:
Vacuum Gloreta
West Unit

1. Type of Well:

Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator

Texaco Exploration & Production, Inc.

8. Well No.

#111

3. Address of Operator

P. O. Box 3109, Midland, Texas 79702

9. Pool name or Wildcat

Vacuum Glorieta

4. Well Location

Unit Letter A : 330 feet from the North line and 330 feet from the East line

Section 2

Township 18-S Range 34-E

NMPM Lea County NM

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. Set 2 7/8" CIBP @ 5875'
2. Tag CIBP @ 5875' fill 2 7/8" csg. w/cmt 5875'-2600' w/80 sx
3. Perf 6 holes @ 2600', squeeze w/50 sx 2600'-2400' Tag @ 2380'
4. Cut 2 7/8" csg. @ 1600', unable to pull squeeze w/75 sx 1600'-1400' Tag cmt @ 1345'
5. Displace hole w/mlf, 9.5# brine w/25# gel p/bbl
6. Cut csg. @ 275' fill 8 5/8" csg. w/cmt 275' to surface w/118 sx cmt
7. Install dry hole marker 8/17/00

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

SIGNATURE Poly Abalos TITLE Vice-President DATE 8/17/00
Type or print name POLY ABALOS Telephone No. (915) 683-49
(This space for State use)

APPROVED BY Johnny Robinson TITLE Oil & Gas Division DATE 8/17/00
Conditions of approval, if any:

GWW

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



CMT Plug lost surface

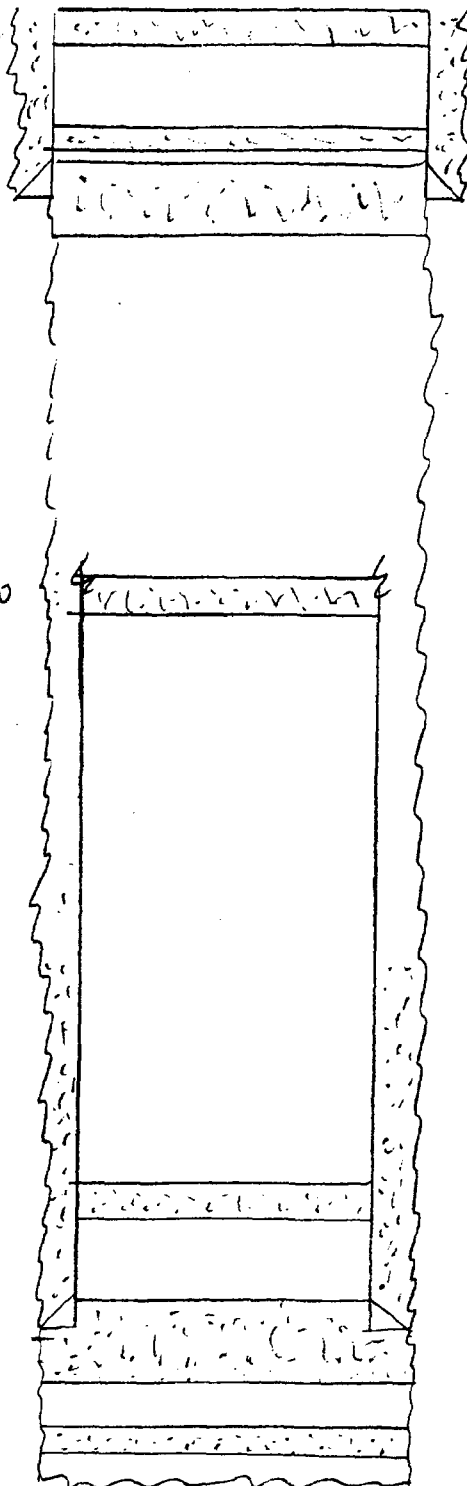
CMT Plug 15 SX 1585-1535
CMT Plug 45 SX 1720-1570

CMT Plug 15 SX 2860-2760

CMT Plug 15 SX 3085-3035

CMT Plug 12 SX 4339-4233

CMT Plug 12 SX 4748-4642



8-5/8" 28"
Casing @ 1620'
CMT w/ 750 SX
Circ CMT to surface

11" open hole

Casing pulled from 2800'

15.5"
5-1/2" casing @ 4286'
CMT w/ 500 SX
TDC unknown

7-7/8" open hole

TD = 4855

DUPLICATE MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission District Office within ten days after the work specified is completed. It should be signed and filed as a report on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

May 22, 1952

Midland, Texas

Date

Place

Following is a report on the work done and the results obtained under the heading noted above at the

The Texas Company St. of N.M. "AEN" Well No. 3 in the
 Company or Operator Lease
 NW 1/4 NE 1/4 of Sec. 11 T. 18-S R. 34-E N. M. P. M.
 Vacuum Pool Lea County.

The dates of this work were as follows: See below

Notice of intention to do the work was (was not) submitted on Form C-102 on April 14, 1952, and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

TD: 4855' - Lime

On 12-12-51 Ran and cemented 1610' 8 5/8" casing at 1620' with 750 sacks cement. Cement circulated.

On 1-6-52 Ran and cemented 4275' 5 1/2" casing at 4286' with 500 sacks cement.

Well was drilled to a total depth of 4855' without encountering oil or gas in commercial quantities; therefore, on 4-20-52 well was abandoned, salvaged and plugged well in the following manner: using heavy mud between cement plugs, spotted the following plugs: 12 sacks 4748-4642; 12 sacks 4339-4233; 15 sacks 3085-3035; 15 sacks 2860-2760; 15 sacks 1505-1535; 45 sacks 1720-1570; 10 sacks in top of 8 5/8" casing. 5 1/2" casing shot off at 2800' and that amount pulled out.

Witnessed by _____ Name _____ Company _____ Title _____

APPROVED: OIL CONSERVATION COMMISSION

Ray G. Hargrave
 Name _____
 Title _____
 Date _____

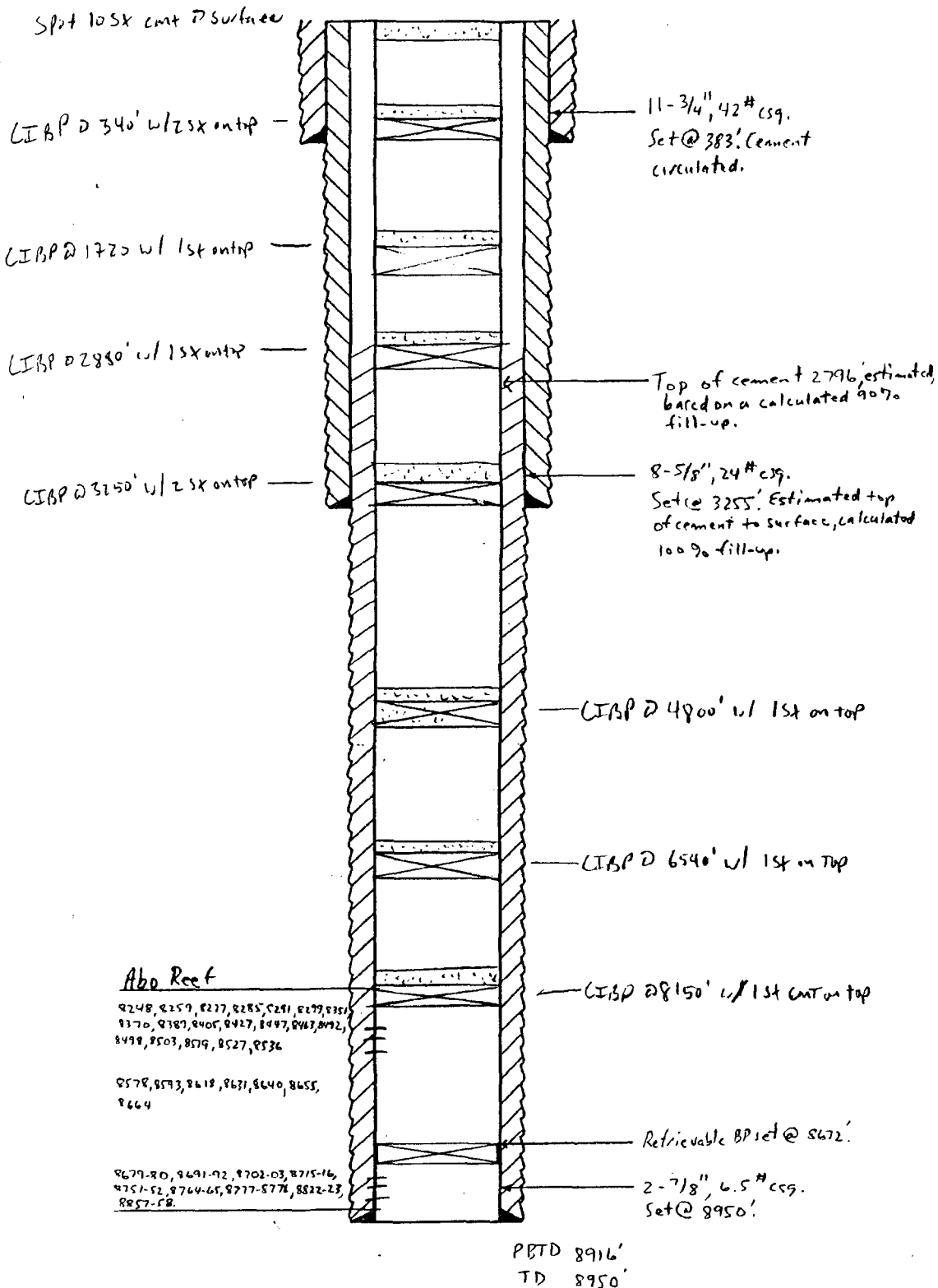
I hereby swear or affirm that the information given above is true and correct.

Name *Ed. O. Hargrave*

Position Asst. Dist. Supt.

Representing The Texas Company
 Company or Operator

Address Box 1270 Midland, Texas



Texaco Inc.
New Mexico AE State Well No. 12
Vacuum Abo Reef Pool
Lea County, New Mexico

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

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

WELL API NO. 30-025-20204
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-1258-1
7. Lease Name or Unit Agreement Name New Mexico "AE" State
8. Well No. 12
9. Pool name or Wildcat Vacuum Abo Reef
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3998' DF

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	2. Name of Operator Texaco Exploration and Production Inc.
3. Address of Operator P.O. Box 730 Hobbs, NM 88240	4. Well Location Unit Letter D : 990 Feet From The North Line and 660 Feet From The West Line Section 12 Township 18S Range 34E NMPM Lea County

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐
PULL OR ALTER CASING ☐	OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐	ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☒
CASING TEST AND CEMENT JOB ☐	OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Starting date 1/26/93

1. RIH w/ 2-7/8" CIBP & set @ 8150'. Cap w/ 1 sx cmt.
2. Load hole w/ mud laden fluid.
3. RIH w/ 2-7/8" CIBP & set @ 6540. Cap w/ 1 sx cmt.
4. RIH w/ 2-7/8" CIBP & set @ 4800'. Cap w/ 1 sx cmt.
5. RIH w/ 2-7/8" CIBP & set @ 3250'. Cap w/ 2 sx cmt.
6. RIH w/ 2-7/8" CIBP & set @ 2880'. Cap w/ 1 sx cmt.
7. RIH w/ 2-7/8" CIBP & set @ 1720'. Cap w/ 1 sx cmt.
8. RIH w/ 2-7/8" CIBP & set @ 340'. Cap w/ 2 sx cmt.
9. Spot 10 sx surf. plug.
10. Cut off WH & anchors. Install DH marker.

Completion date 3-31-93

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

SIGNATURE Monte C. Duncan TITLE Engineer's Assistant DATE 4-2-93

TYPE OR PRINT NAME Monte C. Duncan

TELEPHONE NO. 393-7191

(This space for State Use)

APPROVED BY

Fanny M. Hill

TITLE

OIL & GAS INSPECTOR

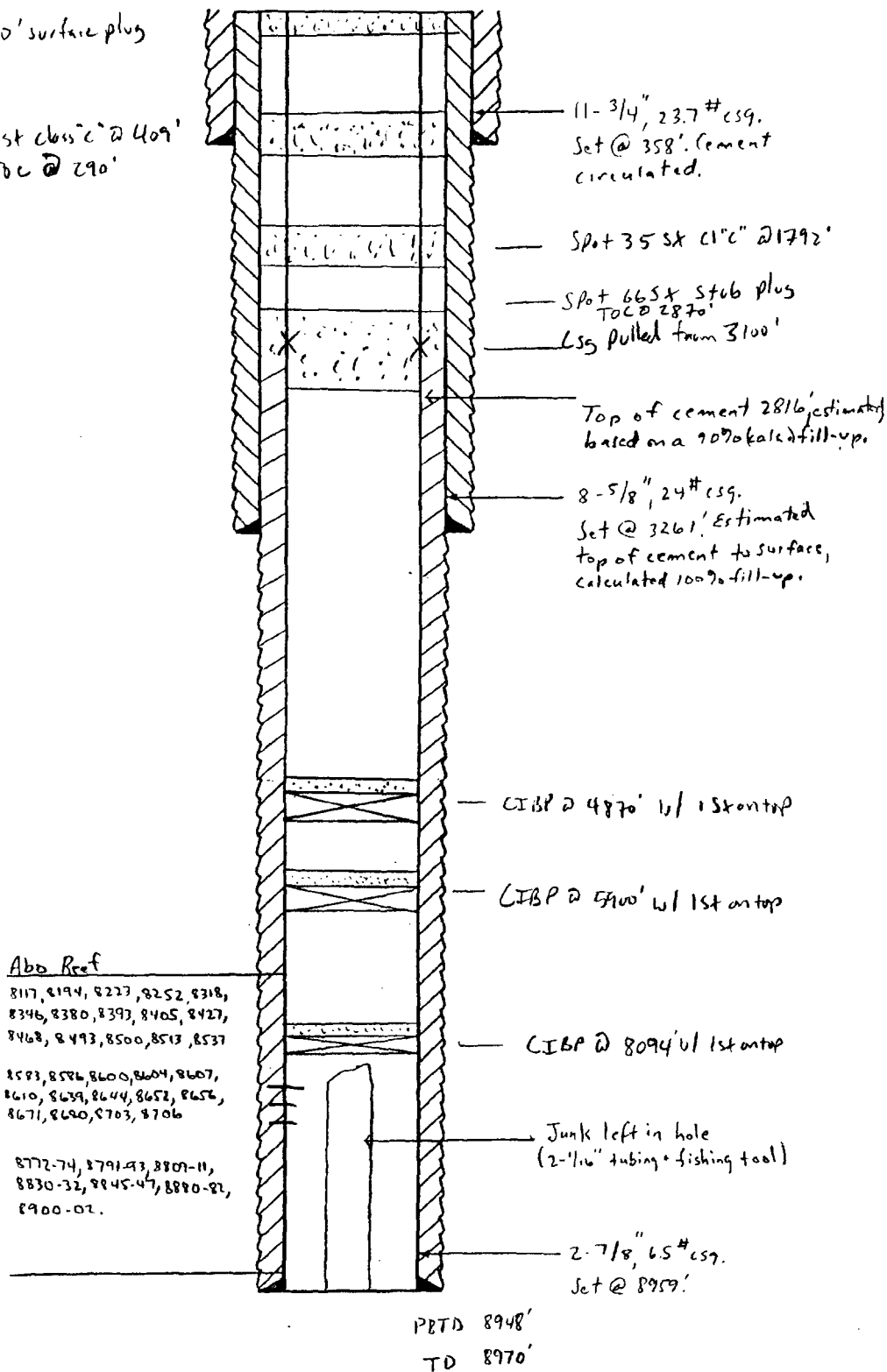
DATE

APR 26 1993

CONDITIONS OF APPROVAL, IF ANY:

Spot 10' surface plug

Spot 35 st class "C" @ 409'
TOC @ 290'



Texaco Inc.
New Mexico "AE" State Well No. 13
Vacuum Abo Reef Pool
La Brea County, New Mexico

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

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

WELL API NO. 30-025-20310
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-1258-1
7. Lease Name or Unit Agreement Name New Mexico "AE" State
8. Well No. 13
9. Pool name or Wildcat Vacuum Abo Reef
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4007' DF

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. Name of Operator Texaco Exploration and Production Inc.
3. Address of Operator P.O. Box 730 Hobbs, NM 88240
4. Well Location Unit Letter <u>A</u> : <u>990</u> Feet From The <u>North</u> Line and <u>660</u> Feet From The <u>East</u> Line Section <u>11</u> Township <u>18S</u> Range <u>34E</u> NMPM Lea County

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐
PULL OR ALTER CASING ☐	
OTHER: ☐	

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐	ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☒
CASING TEST AND CEMENT JOB ☐	
OTHER: ☐	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. RIH w/ 2-7/8" CIBP & set @ 8094'. Cap w/ 1 sx cmt. Starting date 1/21/93
2. Load hole w/ mud laden fluid.
3. RIH w/ 2-7/8" CIBP & set @ 5900'. Cap w/ 1 sx cmt.
4. RIH w/ 2-7/8" CIBP & set @ 4870'. Cap w/ 1 sx cmt.
5. Cut & pull 3100' of 2-7/8" csg. Spot 66 sx stub plug. Tagged TOC @ 2870'.
6. Spot 35 sx class "C" cmt @ 1792'.
7. Spot 35 sx class "C" cmt @ 409'. Tagged TOC @ 290'.
8. Spot 10 sx surf. plug.
9. Cut off WH & anchors. Install DH marker.

Completion date 3-31-93

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

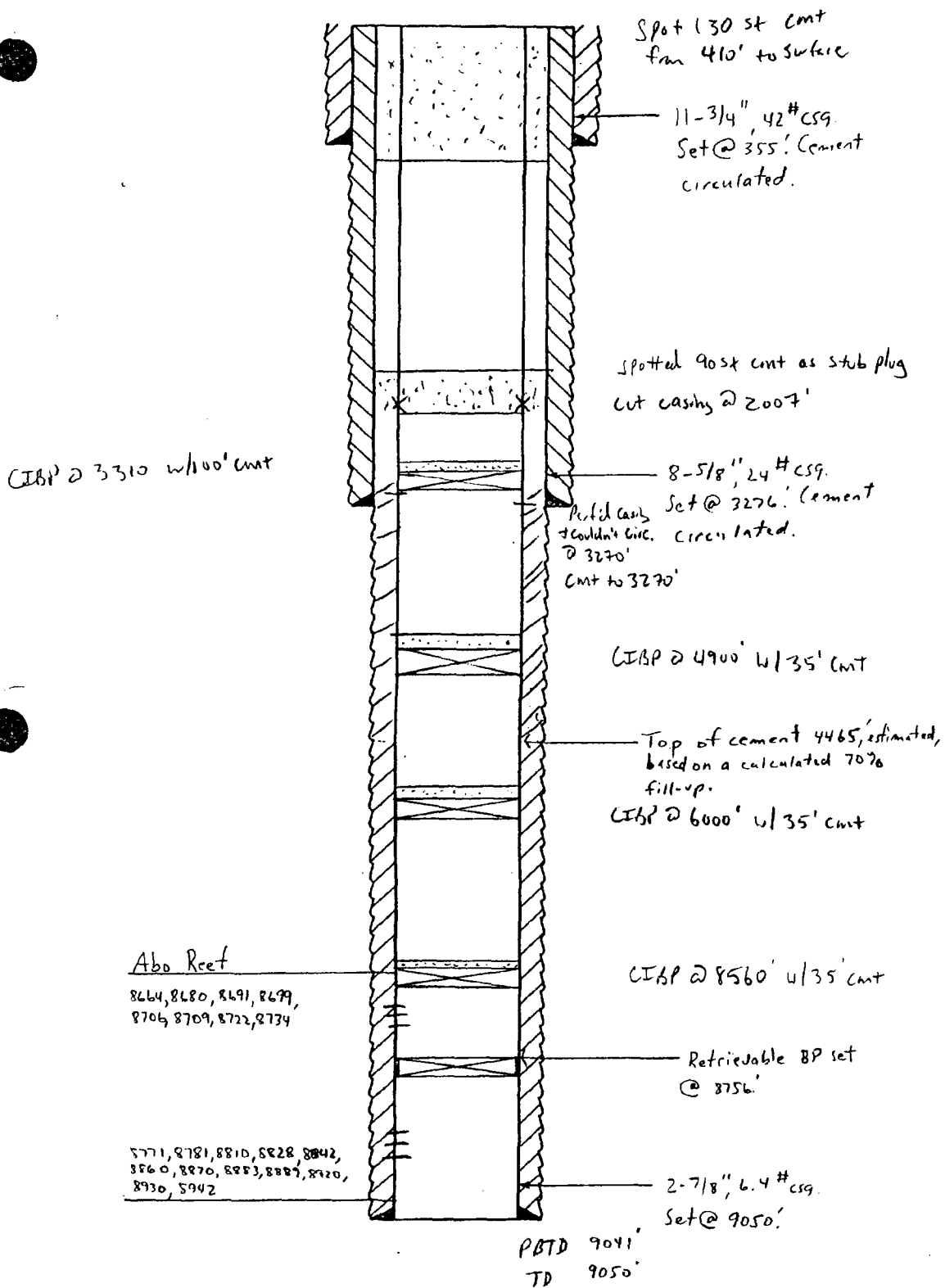
SIGNATURE Monte C. Duncan TITLE Engineer's Assistant DATE 4-2-93
TYPE OR PRINT NAME Monte C. Duncan TELEPHONE NO. 393-7191

(This space for State Use)

APPROVED BY [Signature]
CONDITIONS OF APPROVAL, IF ANY:

OIL & GAS INSPECTOR

DATE JUN - 8 1993



Texaco Inc.
New Mexico "A" State Well No. 19
Vacuum Abo Reef Pool
Lea County, New Mexico

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

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

WELL API NO. 30-025-20171
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-1258-1
7. Lease Name or Unit Agreement Name NEW MEXICO "AE" STATE
8. Well No. 19
9. Pool name or Wildcat VACUUM ABO REEF
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4021' DF

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	2. Name of Operator Texaco Exploration and Production Inc.
3. Address of Operator P. O. Box 730 Hobbs, NM 88240	4. Well Location Unit Letter <u>D</u> : <u>660</u> Feet From The <u>NORTH</u> Line and <u>660</u> Feet From The <u>WEST</u> Line Section <u>11</u> Township <u>18-S</u> Range <u>34-E</u> NMPM LEA
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4021' DF	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
OTHER: ☐	PLUG AND ABANDONMENT ☒
	CASING TEST AND CEMENT JOB ☐
	OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. NOTIFIED NMOC. TOH W/ RODS & PMP, INSTALLED BOP, TOH W/ TBG. STARTING DATE 8/24/93.
2. SET CIBP @ 8560' & CAPPED W/ 35' CMT. RAN FREE POINT ON CSG, FREE POINT @ 2000'.
3. CIRCD HLE W/ BRINE GEL, SET CIBP @ 6000' & CAPPED W/ 35' CMT.
4. SET CIBP @ 4900' & CAPPED W/ 35' CMT. PERFD CSG @ 3270' & ATTEMPTED TO EST CIRC, COULDN'T PUMP IN.
5. SET CIBP @ 3310' & CAPPED W/ 100' CMT. CUT CSG @ 2007', CIRCD HLE W/ BRINE GEL, SPTD 90 SXS CMT @ 2007', PULLED CSG TO 410'.
6. SPTD 130 SXS CMT FR 410' TO SURF, PULLED CSG.
7. CUT OFF WELLHEAD & ANCHORS, INSTALLED DRY HOLE MARKER, CLEANED LOCATION. COMPLETION DATE 10/26/93.

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

SIGNATURE Monte C. Duncan TITLE ENGINEER'S ASSISTANT DATE 11-5-93
TYPE OR PRINT NAME MONTE C. DUNCAN TELEPHONE NO. 393-7191

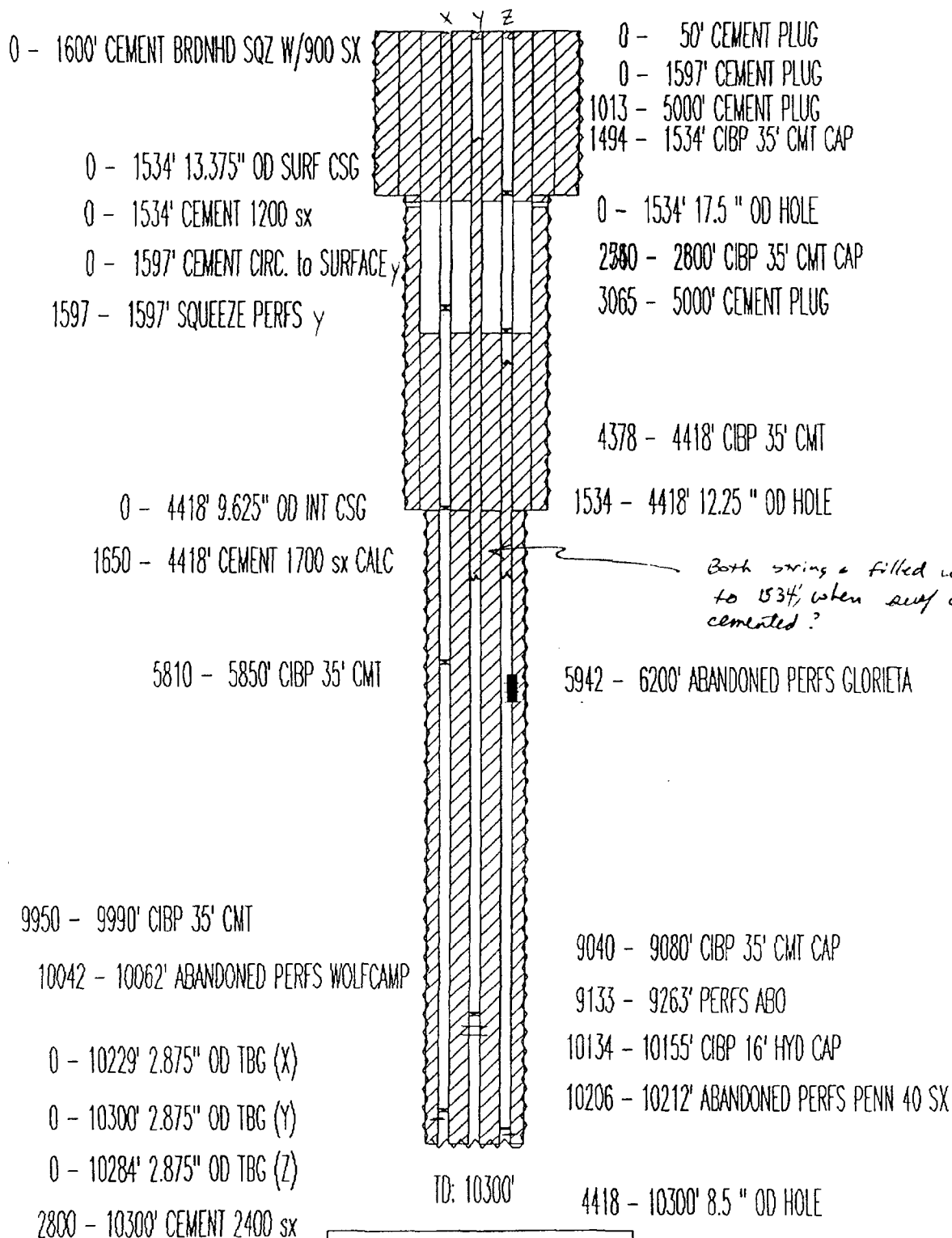
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APPROVED BY Lyle F. Turnacli TITLE OIL & GAS INSPECTOR DATE JAN 24 1994
CONDITIONS OF APPROVAL, IF ANY:

SAD

P&A 0 23 92
GLOR/ ABO/ WC

TEXACO INC
NEW MEXICO "O" STATE NO. 24
API# 3002520946



860 FSL & 660 FEL
SEC 36 , TWN 17 S, RANGE 34 E
ELEVATION: 3995 KB
COMPLETION DATE: 07-04-64

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

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

WELL APT NO.
30-025-20946

DISTRICT II
O. Drawer DD, Artesia, NM 88210

5. Indicate Type of Lease
STATE ☒ FEE ☐

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

6. State Oil & Gas Lease No. B-155

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name

New Mexico "0" State
NCT-1

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER

8. Well No. 24

2. Name of Operator
Texaco Exploration and Production Inc.

3. Address of Operator
P.O. Box 730 Hobbs, New Mexico 88240

9. Pool name or Wildcat
Vacuum Glorieta, Wolfcamp, Abo
North

4. Well Location
Unit Letter P : 860 Feet From The South Line and 660 Feet From The East Line

Section 36 Township 17-S Range 34-E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3994' DF

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

5/13/92 - 6/23/92

Casing Strings: X - Abo, Y - Wolfcamp, Z - Glorieta

1. Notified NMOC, MIRU w/P&A equip. Starting date 5/13/92.
2. Fished string of stuck 1" Kobe tbq in Y csg string, C/O to 10,025'.
3. C/O X csg string to 9240'. C/O Z csg string to 6355'.
4. In Y string set CIBP @ 9990', capped w/ 35' cmt. In X string set CIBP @ 9080', capped w/ 35' cmt.
5. Loaded both X & Y strings w/ brine gel mud. X string went on vacuum, isolated csg leak fr 5850'-6150'.
6. In Y string set CIBP's @ 5850' & 4418', capped plugs w/ 35' cmt.

(CONTINUED ON BACK)

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

SIGNATURE M.C. Duncan TITLE Engineer's Assistant DATE 6-26-92

TYPE OR PRINT NAME M.C. Duncan TELEPHONE NO. 393-7191

A space for State Use

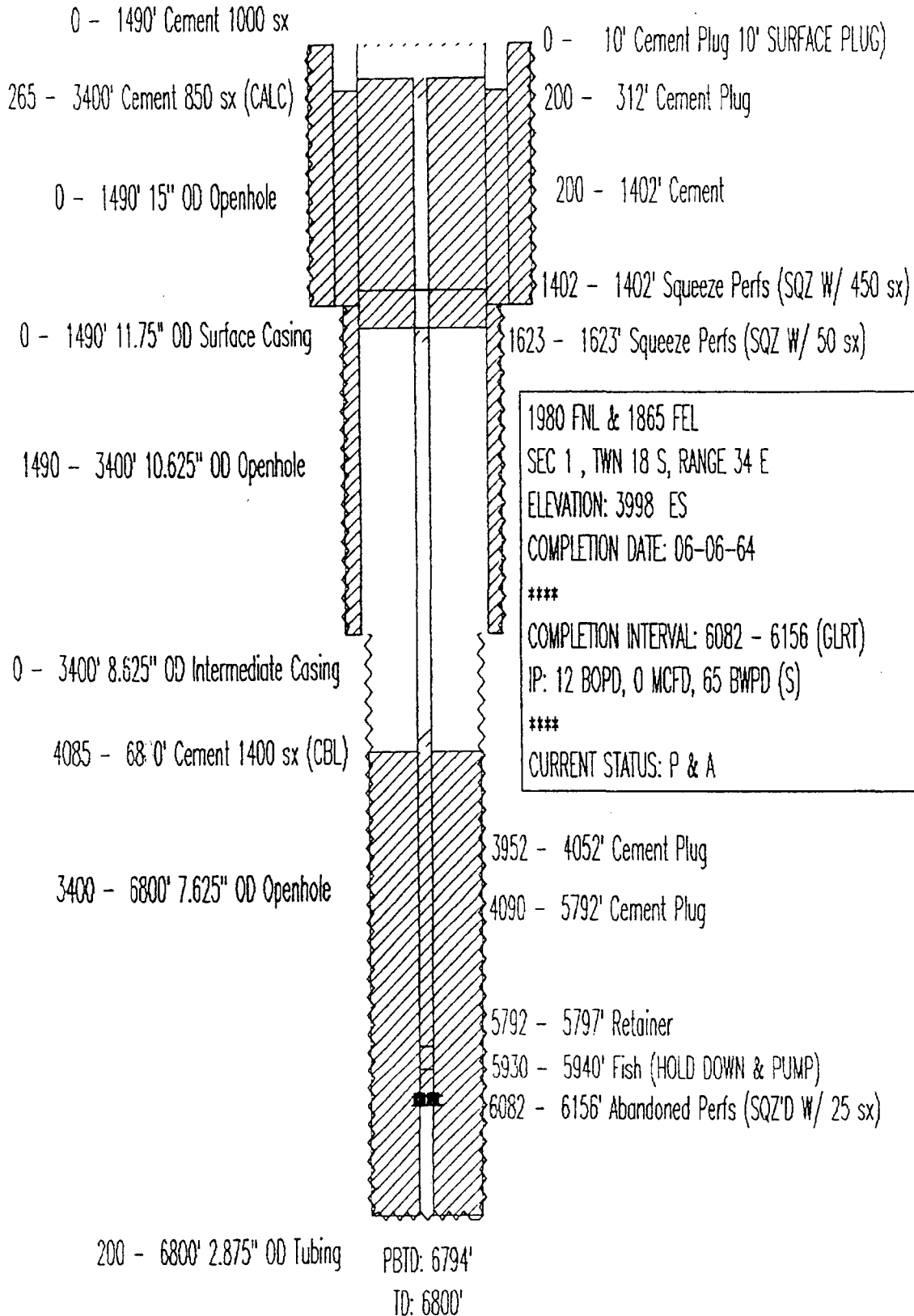
OIL & GAS INSPECTOR

APPROVED BY [Signature] TITLE _____ DATE OCT 22 '92

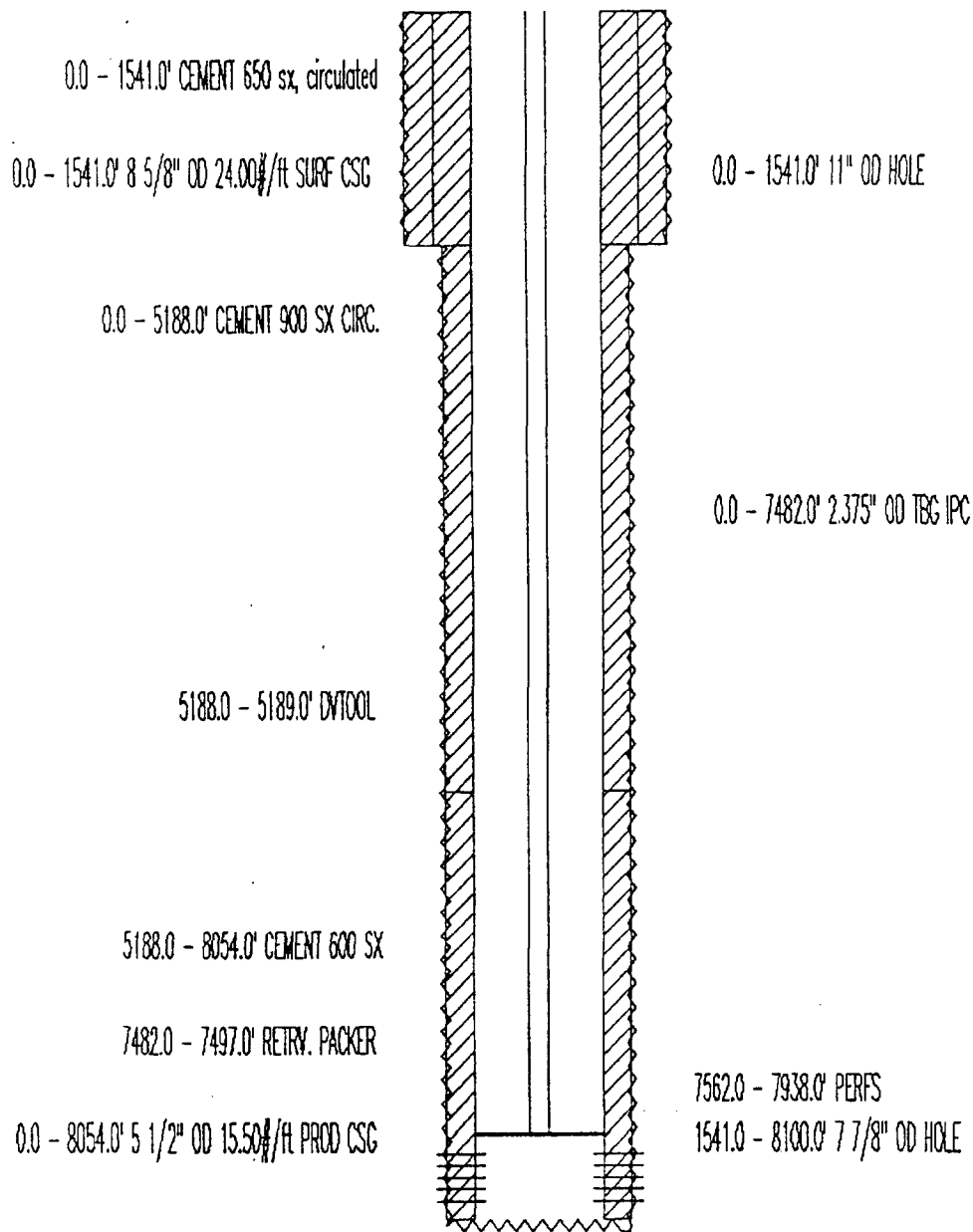
CONDITIONS OF APPROVAL, IF ANY:

7. Ran freepoint on Y string, free @ 600'. Perf Y string @ 2691' & 2284', could not est circ to surf. Perf @ 1597', established circ to surf. In Y string, set CIBP @ 2600', capped w/ 35' cmt. Pmped cmt dn Y string until circ to surf thru perfs @ 1597'.
8. Attempted to pump cmt dn the X & Z strings, both pressured up & held 3000#. Tagged cmt in X string @ 113', D/O to 1113', tstd csg to 1000#, OK. Tagged cmt in Z string @ 2000', D/O to 3065', tstd csg to 1000#, OK.
9. In Z string set CIBP's @ 2800' & 1534', capped plugs w/ 35' cmt. Then set cmt plug fr 50' to surf. In X string, set cmt plug fr 50' to surf.
10. Cut off wellhead, installed dry hole marker, cleaned location. Completion date 6-23-92.

TEXACO
NEW MEXICO L STATE NO. 8
API# 30025209380000



TEXACO E&P INC.
NM "L" NO. 17
API# 30 025 32872

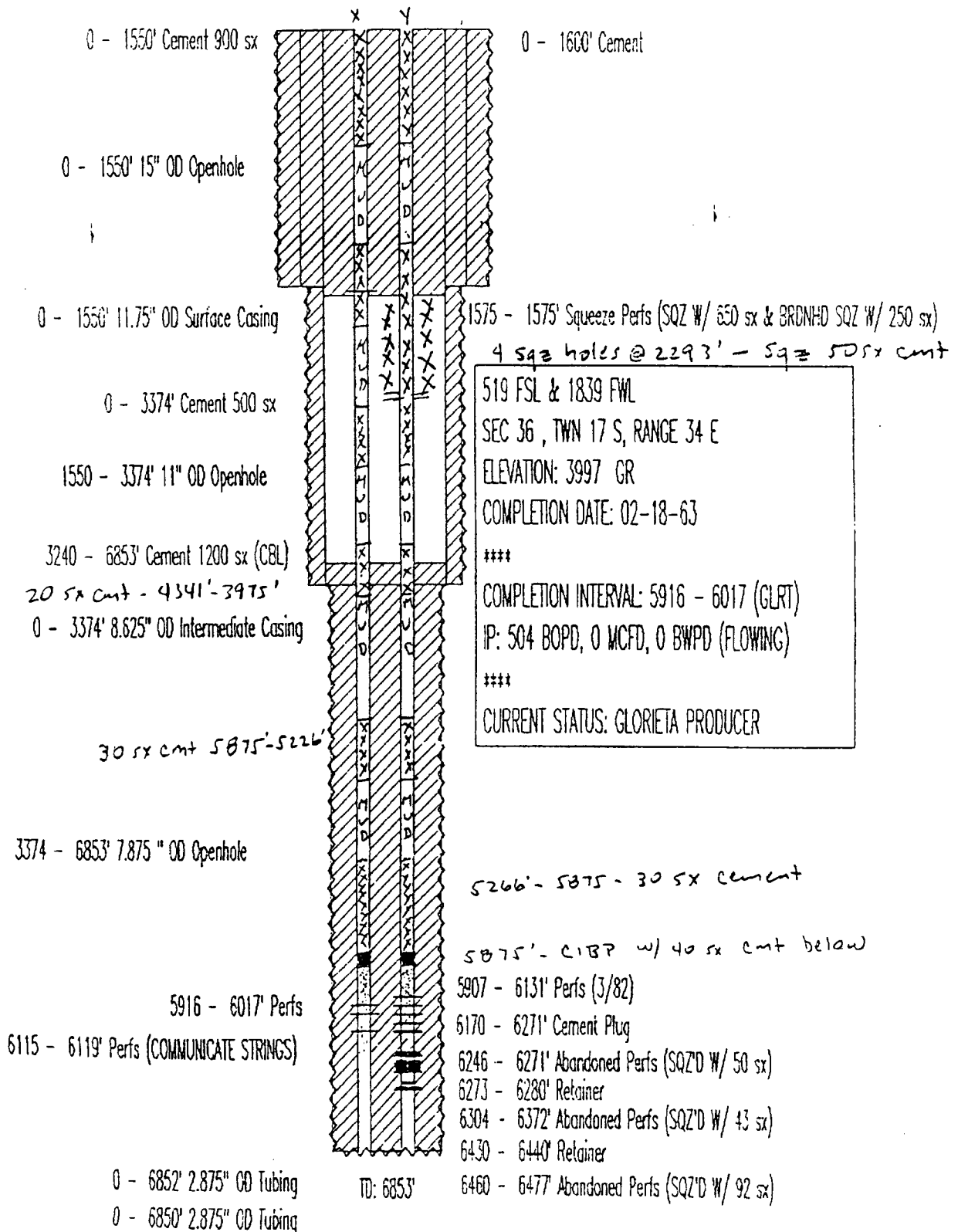


2510 FNL & 10 FEL
SEC 1, TWN 18 S, RANGE 34 E
ELEVATION: 3981' GR
COMPLETION DATE 9-6-95

COMPLETION INTERVAL: 7562 - 7938 (DRINKARD)

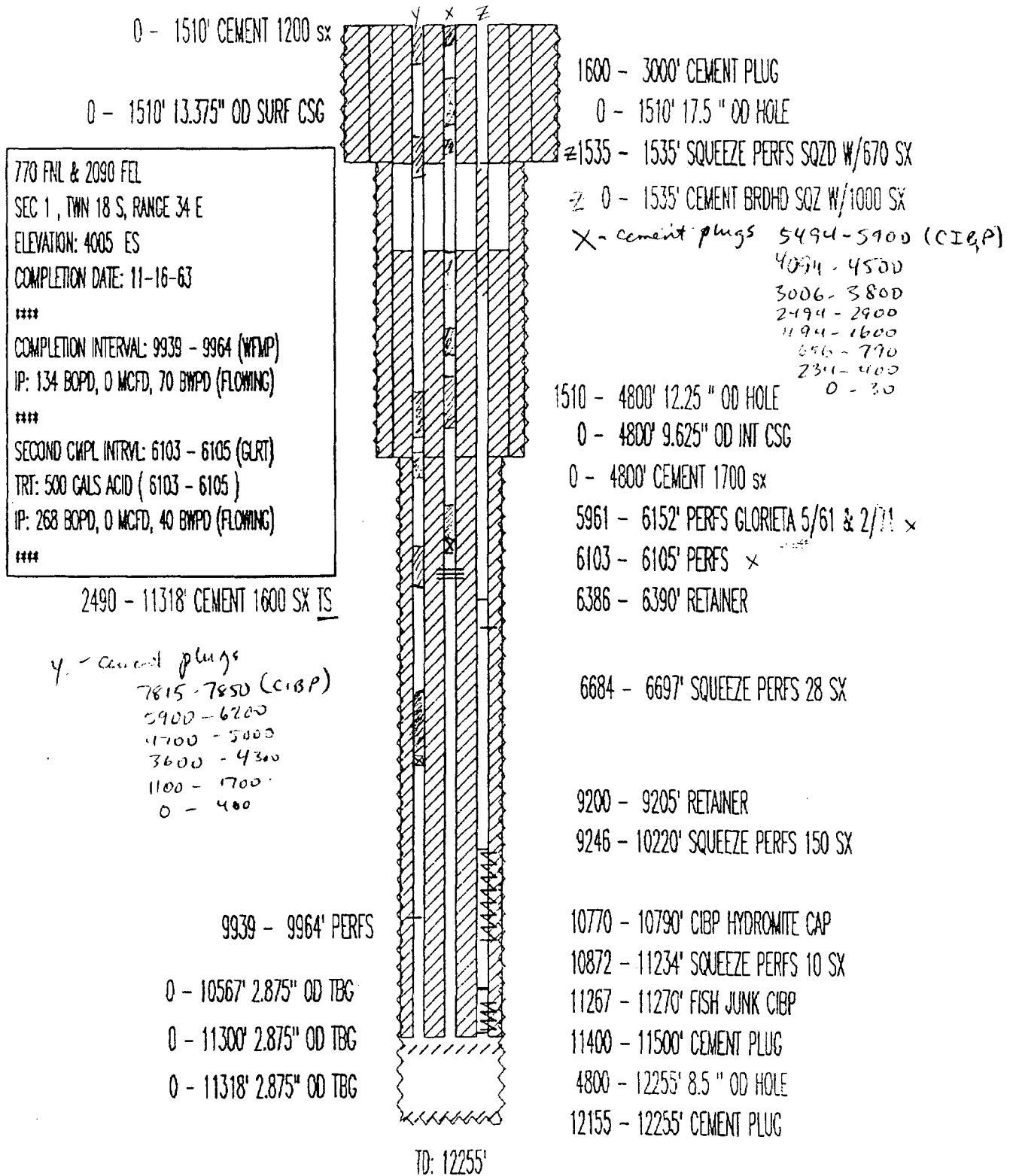
TEXACO
 NM O STATE NCT-1 NO. 13
 API# 30025200460000
 P + A 5/29/98

Vacuum Glorieta West Unit
 No. 130



PEA 4/95
WOLFCAMP & GLORIETA

TEXACO INC
NEW MEXICO "L" STATE NO. 6
API# 3002520514



15" hole
11 3/4" @ 402'
Cmt w/ 3508x
Circ

300'

TOC = 1387 CALC @ 100% EXCESS

10 5/8" hole
8 5/8" @ 3250'
Cmt w/ 1650 SX
Circ

5/93 - Pumped 20 bbls Zonelock. Sp w/ 1705X Cmt TOC 312'
Perf 300', 250', 200' to try to est. Circ
Spot 12 SX @ 300' & filled to surface

6/81 - Perf 2 7/8" 3260'. Cmt w/ 900 SX, did not circ

7 7/8" hole
2 7/8" @ 8800'
Cmt w/ 1600 SX
TOC = 5254'
CALC @ 100%
EXCESS

9/85 - Perf 4536 - 4686'
9/85 - CIBP @ 4755' cap w/ 135' cmt PBTD 4720'
9/85 - CIBP @ 5950' cap w/ 135' cmt

Perf 5999' - 6125'

1/72

CIBP @ 6250', 10' hydromite or plug. PBTD 6240'

perfs
8490' - 8665'
Sq 50 SX

Re-perf 8594' - 8674'
Sq 50 SX

Re-perf 8472 - 8572

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

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

DISTRICT III
10000 Do Brazos Rd., Aztec, NM 87410

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

WELL API NO. 30-025-21110 ✓
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-1306-1
7. Lease Name or Unit Agreement Name Vacuum Grayburg SA unit
8. Well No. 68
9. Pool name or Wildcat Vacuum Grayburg SA
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3996' DF

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
Texaco Exploration and Production Inc.

3. Address of Operator
P.O. Box 730 Hobbs, NM 88240

4. Well Location
Unit Letter 1 : 1655 Feet From The South Line and 330 Feet From The East Line
Section 1 Township 18-S Range 34-E NMPM Lea County

1. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☒
WELL ALTER CASING ☐		CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER: ☐	

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

. Pumped 20 bbl. Zoneloc SC w/ fresh water spacers. Squeezed 170 sx class "C" cmt & displ. w/ 2.5 bbls water. Tagged TOC @ 312'. Starting date 3/15/93

. Perf. 3 JH @ 300' & tried to est circ. up annulus.

. Perf. 3 JH @ 250' & tried to est circ. up annulus.

. Perf. 3 JH @ 200' & tried to est circ. up annulus.

Spot 12 sx class "C" cmt @ 300'. Filled 2-7/8" csg to surf.
Cut off WH & installed dry hole marker. Completion date 5/5/93

by certify that the information above is true and complete to the best of my knowledge and belief.

SURE Monte C. Duncan TITLE Engineer's Assistant DATE 5-19-93
OR PRINT NAME Monte C. Duncan TELEPHONE NO. 393-7191

space for State Use)

VED Carly W. Hill TITLE OIL & GAS INSPECTOR DATE JUL 28 1994
DON APPROVAL, IF ANY:



17 1/2" hole

13 7/8" @ 355'

Cmt w/ 400 SX

Circ.

1/42 - Perf hole @ 455' Circ
320 SXs to surf

12 1/4" hole

9 5/8" @ 4785'

Cmt w/ 1500 SX

TDC = 1700

CALC @ 100.70 EXCESS

8 5/8" hole

2 7/8" @ 10,190' Cmt w/ 1900 SX

2 7/8" @ 10,187' Cmt w/ 1900 SX

1/42 - CIBP @ 6000' cap w/ 35' Cmt

1/42 - CIBP @ 8440' cap 35' Cmt

Abo Reef

Perf S 8495 - 8706

1/42 - Cut cog @ 1500'. Spot 50 SX

1/42 - CIBP @ 2820' cap w/ 35' Cmt

1/42 - CIBP @ 4100' cap w/ 35' Cmt

1/42 - CIBP @ 6000' cap w/ 35' Cmt

1/42 - CIBP @ 8300' cap 35' Cmt

1/42 - CIBP @ 9600' cap 35' Cmt

Wolfcamp

Y

Z

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

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

DISTRICT II
Drawer DD, Artesia, NM 88210

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

WELL API NO.
30-025-20950

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No. B-1306-1

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name

New Mexico "R" State
NCT-3

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
Texaco Exploration and Production Inc.

8. Well No. 15

3. Address of Operator
P.O. Box 730 Hobbs, New Mexico 88240

9. Pool name or Wildcat
Vacuum Abo Reef

4. Well Location
Unit Letter P : 560 Feet From The East Line and 487 Feet From The South Line
Section 1 Township 18-S Range 34-E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3996' DF

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
PARTIALLY ABANDON ☐ CHANGE PLANS ☐
OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

04/28/92 - 05/08/92

1. Notified NMOCD, MIRU w/P&A equip. Starting date 04/28/92.
2. Ran freepoint on both the Abo (Y string) and Wolfcamp (Z string). Both strings free @ 1500'.
3. In Y string set CIBP @ 8440', capped w/ 35' cmt.
4. In Z string set CIBP @ 9800', capped w/ 35' cmt.
5. In both strings, load hole w/ brine gel mud. In Z string set CIBP @ 8300' & capped w/ 35' cmt.
6. In both strings: set CIBP's @ 6000', capped w/ 35' cmt.
set CIBP's @ 4100', capped w/ 35' cmt.
set CIBP's @ 2820', capped w/ 35' cmt.
7. In both strings, cut csg @ 1500', ld dn csg. Spt 50 sxs Class C NEAT cmt @ 1500'. (CONTINUED ON BACK)

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

SIGNATURE M.C. Duncan TITLE Engineer's Assistant DATE 5-13-92

TYPE OR PRINT NAME M.C. Duncan TELEPHONE NO. 393-7191

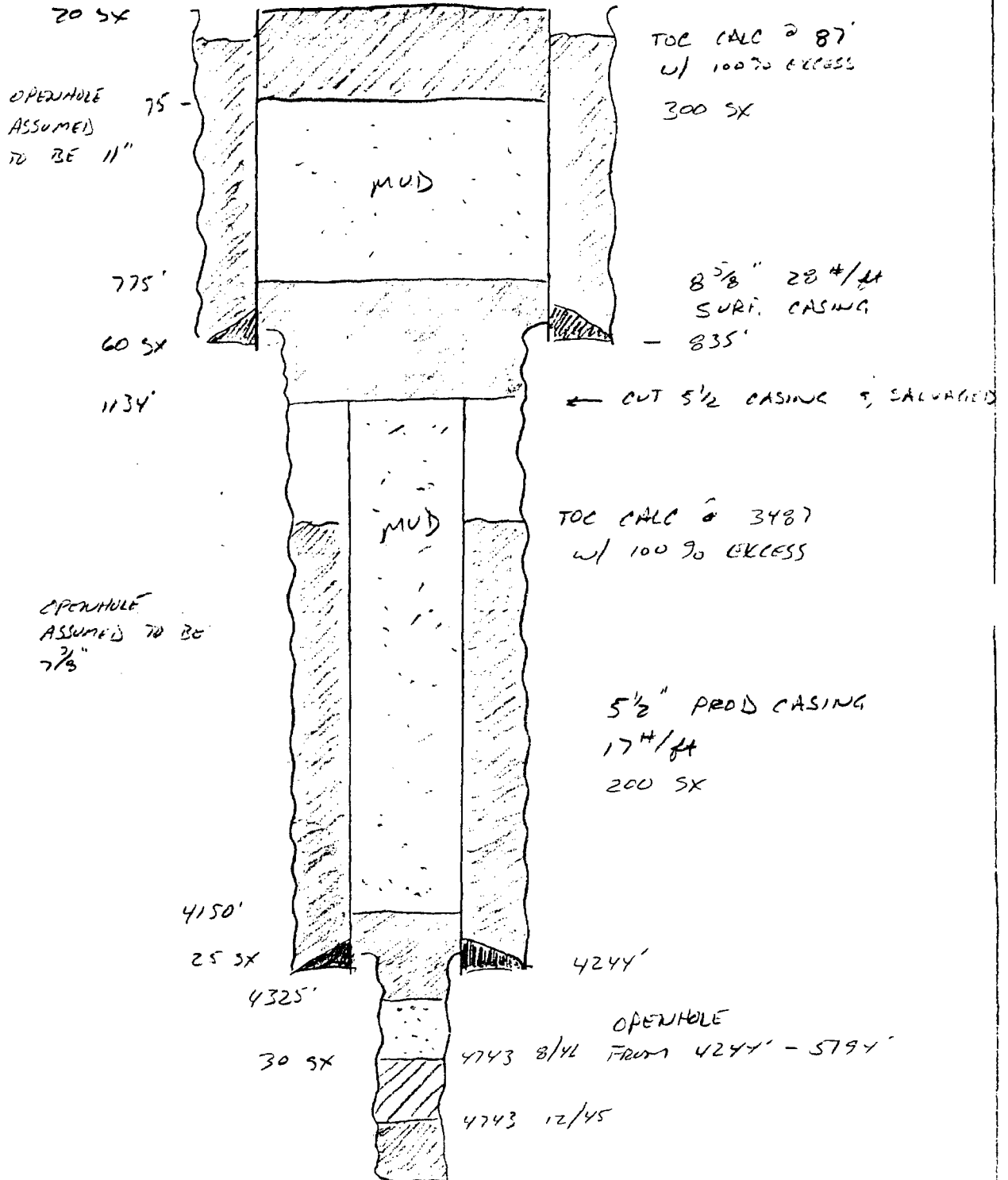
(Leave space for State Use)

APPROVED BY [Signature] TITLE OIL & GAS INSPECTOR DATE JUL 15 '92

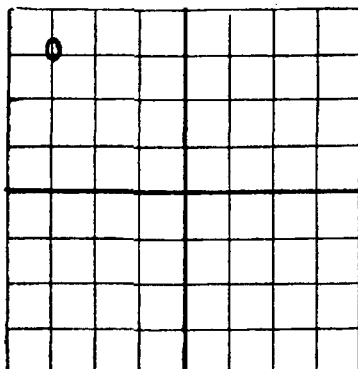
CONDITIONS OF APPROVAL, IF ANY:

8. Perf 2 sqz holes in 9 5/8" csg @ 455'. Est. circ, sqzd 320 sxs
Class C cmt dn 9 5/8" csg thru sqz holes until cmt circd to surf
up 13 5/8"-9 5/8" annulus.
9. Cut wellhead, installed dry hole marker, cleaned location.
Completion date 05-08-92.

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



N



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

RECEIVED
SEP 11 1942
HOBBS OFFICE

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

The Texas Company

Box 1720, Fort Worth, Texas

Company or Operator

Address

St. of N.M. "AE"

Well No. 1

in NW 1/4 of Sec. 12

T. 18 S

Lease

R. 34 E

N. M. P. M.

Vacuum

Field,

Lea

County.

Well is 660 feet south of the North line and 660 feet ~~WEST~~ East of the ~~WEST~~ line of Sec. 12, T-18-S, R-34-E

If State land the oil and gas lease is No. B-1258

Assignment No. -----

If patented land the owner is -----

Address -----

If Government land the permittee is -----

Address -----

The Lessee is The Texas Company

Address Box 2332, Houston, Texas

Drilling commenced 2-4-42

19

Drilling was completed 4-28-42

19

Name of drilling contractor American Drilling Corp. Address Hobbs, New Mexico

Elevation above sea level at ~~top of casing~~ derrick floor 4001 feet.

The information given is to be kept confidential until ----- 19

OIL SANDS OR ZONES

No. 1, from 4695 to 4730

No. 4, from ----- to -----

No. 2, from 4800 to 5145

No. 5, from ----- to -----

No. 3, from ----- to -----

No. 6, from ----- to -----

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ----- to ----- feet.

No. 2, from ----- to ----- feet.

No. 3, from ----- to ----- feet.

No. 4, from ----- to ----- feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THICKNESS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
8-5/8"	28#	8-V	LW	835'	Halliburton				
5-1/2"	17#	8-R	Smls.	4244'	Baker				

MUDGING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	8-5/8"	825'	300	Halliburton		
	5-1/2"	4222'	200	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____
 Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		Nitroglycerine				
		(EL-357)	850 qts.	4-11-42	4800'-5140'	5145'

Results of shooting or chemical treatment _____

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0 feet to 5194 feet, and from -- feet to -- feet
 Cable tools were used from -- feet to -- feet, and from -- feet to -- feet

PRODUCTION

Put to producing 4-28-42, 1942
 The production of the first 3 hours was 10.33 barrels of fluid of which 80 % was oil; -- % emulsion; 20 % water; and -- % sediment. Gravity, Be 31.2
 If gas well, cu. ft. per 24 hours ----- Gallons gasoline per 1,000 cu. ft. of gas -----
 Rock pressure, lbs. per sq. in. -----

EMPLOYEES

Pete Green Driller Perry T. Bower Driller
H. E. Kemnitz Driller A. D. Finley Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 10th
 day of SEPTEMBER, 19 42
G. W. Schoppe C W SCHOPPE
 Notary Public
 My Commission expires 6-1-43

Midland, Texas 9-10-42
 Place Date
 Name L. F. SHIPLET
 Position District Superintendent
 Representing The Texas Company
 Company or Operator
 Address Box 1270, Midland, Texas

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

AUG 10 1946

DUPLICATE

Submit this report in duplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning-drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

Midland, Texas

Place

August 6, 1946

Date

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

The Texas Company's State of New Mexico "AE" Well No. 1 in the
Company or Operator Lease
NW $\frac{1}{4}$ of NW $\frac{1}{4}$ of Sec. 12, T. 18-S, R. 34-E, N. M. P. M.,
Vacuum Field, Lea County.

The dates of this work were as follows: See below

Notice of intention to do the work was ~~submitted~~ submitted on Form C-102 on January 3 1946
and approval of the proposed plan was ~~obtained~~ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Total Depth 5194' plugged back to 4743'.

Cemented 8-5/8" casing at 825' with 300 sacks. Cemented 5-1/2" casing
at 4222' with 200 sacks.

(Please see attached sheet)

Witnessed by _____ Name _____ Company _____ Title _____

Subscribed and sworn before me this _____ I hereby swear or affirm that the information given above is true and correct.

7th day of August, 19 46 Name P. J. Hellman

Elizabeth Frye Elizabeth Frye Position Dist. Supt.
Notary Public

Representing The Texas Company
Company or Operator

My commission expires June 1, 1947 Address Box 1270, Midland, Texas

Remarks:

APPROVED

Date AUG 12 1946

Ray. Yackbrough
Name
Oil & Gas Inspector
Title

STATE OF NEW MEXICO "AE" WELL No. 1

8-6-46

This well was drilled to total depth of 5194' and plugged back to 4743' as reported on Form C-103 dated 12-27-45. Attempts to recomplate well as a commercial producer proved unsuccessful and well was salvaged, plugged and abandoned January 26, 1946, as follows:

Spotted a 30-sack cement plug in bottom of well from 4743-4650', and a 25-sack cement plug from 4325-4150' (in the bottom of the 5 1/2" casing). Parted and pulled 1125' of 5 1/2" casing and spotted a cement plug of 60 sacks from approximately 1134 to 775' (in top of parted 5-1/2" and bottom of 8-5/8" casing). A 4" pipe marker was cemented in the top of the hole with 20 sacks of cement, leaving all 8-5/8" casing cemented in the hole.

The hole was filled with heavy mud between all above cement plugs, and all mud and cement plugs were pumped in through tubing.



VGSAU C-108 Application

Proposed Operation

Vacuum Grayburg San Andres Unit C-108 Application

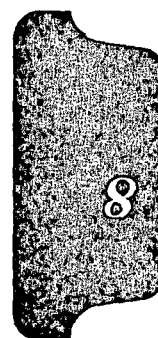
VII. Data on Proposed Operation

1. A tabulation of water injection data is attached including required data for items 1. And 3.
2. The injection system is closed
3. See item 1.
4. Source of CO₂ will be the Cortez Pipeline which delivers a fluid composed of 98% CO₂ and 2 % N₂. As breakthrough gas becomes available, it will mixed with pipeline gas and re-injected.
5. NA

Vacuum Grayburg San Andres Unit C-108

Injection Data Attachment

Well	Well #	Maximum Daily Water Injection Pressure (PSI)	Average Daily Water Injection Pressure (PSI)	Maximum Daily Injection Rate (BPD)	Average Daily Injection Rate (BPD)	Maximum CO2 Injection Pressure (PSI)	Average CO2 Injection Pressure (PSI)	Maximum Daily CO2 Injection Rate (MCFPD)	Average Daily Injection Rate (MCFPD)
Vacuum Grayburg San Andres Unit	4	2150	1800	2000	500	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	5	2500	1800	2000	2000	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	14	1420	1500	2000	100	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	16	1480	1300	2000	500	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	17	2500	1850	2000	1000	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	18	1930	1880	2000	500	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	19	2500	1800	2000	1900	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	20	1680	1700	2000	100	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	31	2500	1900	2000	1600	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	32	1730	1700	2000	500	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	33	2500	1900	2000	100	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	34	1395	1300	2000	1800	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	35	2500	1600	2000	100	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	46	1765	2000	2000	500	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	47	2500	1900	2000	100	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	48	2210	1900	2000	500	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	49	2500		2000		1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	50	1730	1700	2000	1700	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	63	2115	2000	2000	1000	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	122	Currently Producing		2000		1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	146	1800	1940	2000	500	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	147	2030	1850	2000	1000	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	148	2300	1850	2000	500	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	149	1845	1300	2000	100	1850	1850	5000	3500
Vacuum Grayburg San Andres Unit	150	1610	1560	2000	100	1850	1850	5000	3500



**VACUUM GRAYBURG SAN ANDRES UNIT
ATTACHMENT VIII TO FORM C-108
APPLICATION FOR AUTHORIZATION TO INJECT
AND CARBON DIOXIDE**

**GEOLOGICAL DATA
THE INJECTION ZONES**

The unitized interval for the proposed Vacuum Grayburg San Andres Unit is the stratigraphic interval including and correlative to portions of the Grayburg and San Andres Formations found between the depths of 3,902 feet (plus 105 feet sub-sea) and 4,809 feet (minus 802 feet sub-sea) on the Welex Acoustic Velocity Log, dated February 22, 1965, run in Texaco's New Mexico "M" State Well No. 8. The hydrocarbon productive interval which will be flooded is Permian (Guadalupian) in age.

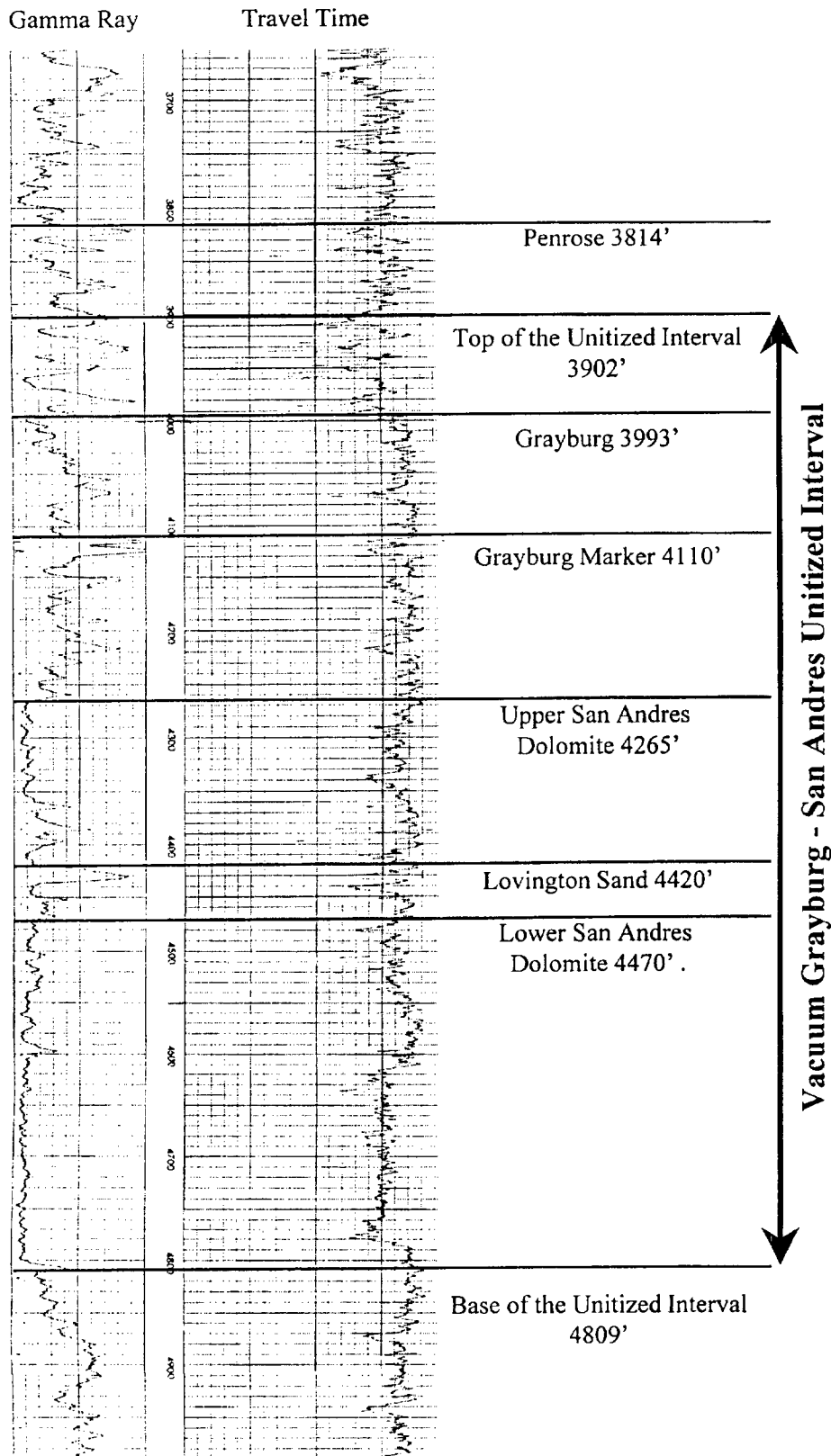
The top of the San Andres ranges in depth from 4240 feet (minus 233 feet sub-sea) to 4810 feet (minus 803 feet sub-sea) and is approximately 910 feet thick. The primary reservoir lithofacies within the San Andres consists of dolomitized subtidal grain dominated carbonates deposited as shoals.

The base of the Ogallala Aquifer is located at approximately 220 feet (plus 3787 feet) and is the primary source for drinking water in the area. The Grayburg-San Andres does not contain faults or fractures that act as conduits for gas, oil or injection fluids to seep into the Ogallala fresh water aquifers above the injection zone within the proposed Vacuum Grayburg San Andres Unit boundaries. No contamination of the Ogallala Aquifer through faults or fracture zones in the Vacuum Grayburg San Andres interval has been observed in the area.

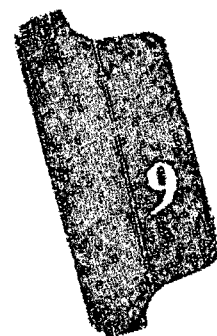
Exhibit C

Vacuum Grayburg-San Andres Unit

Type Log



Welex Acoustic Velocity Log
 Texaco - New Mexico "M" State Well #8
 (Now Vacuum Glorieta West Unit #113)
 API # 3002521107 KB = 4007



Vacuum Grayburg San Andres Unit C-108 Application

IX. Proposed Stimulation Program

A typical stimulation will consist of approximately 5000 gallons 15% HCL acid with additives. Common additives include Xylene, corrosion inhibitor, iron control agents, non-emulsifying agents, and dispersing agents. Ball sealers or rock salt will be utilized for diversion depending on the age of the perforations. The stimulation is typically pumped between 3-6 BPM at varying injection rates. Treatment pressures are kept below the fracture gradient of the formation in order to clean out the rock matrix as opposed to fracturing it.