WFX 9/4/96

J.O. EASLEY, INC.

ESTABLISHED 1979

P.O. Box 1796 88202-1796
400 N. Pennsylvania, Suite 990-D
Roswell, NM 88201

Telephone (505) 623-3758
Fax (505) 623-3797

August 16, 1996

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

Re: C-108
Caprock Maljamar Waterflood Unit
Lea County, New Mexico

Dear Mr. Catanach:

Enclosed is an original and one copy of the C-108 for 29 new injection wells within The Wiser Oil Company's Caprock Maljamar Waterflood Unit, as well as two copies of a plat showing the overall injection project for this unit. One of the new injection wells, the CMU #262, is presently being surveyed; as soon as I have the exact location for this well, I will call you. This well is a new well to replace the CMU #75 which The Wiser Oil Company had originally planned to re-enter and complete for injection. It has been determined, however, that the wellbore of the CMU #75 was not useable for injection.

If you have any questions, please feel free to give me a call @ 505-623-3758.

Sincerely,

J. O. EASLEY, INC.

Bonita L. Limpus Jones
Consulting Landman

/bj
Enclosures
cc/enclosure Mr. Jerry Sexton
New Mexico Oil Conservation Division
P. O. Box 1980
Hobbs, New Mexico 88241

Mr. Steve Gilbert
The Wiser Oil Company
8115 Preston Road, Suite 400
Dallas, Texas 75225

Mr. Jim Ward
The Wiser Oil Company
P. O. Box 2568
Hobbs, New Mexico 88241

WFX-694

CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: The Wiser Oil Company Well: Caprock Maljamar Unit - 21 Wells

Contact: Bonnie Jones Title: Agent Phone: 505-624-9677

DATE IN 8-19-96 RELEASE DATE 9-4-96 DATE OUT 10-17-96
PUBLISHED 9-18-96 10-2-96

Proposed Injection Application is for: X **WATERFLOOD** X Expansion ___ Initial

Original Order: R- 10094 X Secondary Recovery ___ Pressure Maintenance

SENSITIVE AREAS ___ **SALT WATER DISPOSAL** ___ Commercial Well
20, 21, 28 T17S-R33E

___ WIPP ___ Capitan Reef

Data is complete for proposed well(s)? YES Additional Data Req'd _____

AREA of REVIEW WELLS

207 Total # of AOR 42 # of Plugged Wells

YES Tabulation Complete YES Schematics of P & A's 3764 3770

YES Cement Tops Adequate NO AOR Repair Required 4070

INJECTION FORMATION

Injection Formation(s) Grayburg - SA Compatible Analysis YES

Source of Water or Injectate Area Production

PROOF of NOTICE 4450

YES Copy of Legal Notice YES Information Printed Correctly 4472

YES Correct Operators YES Copies of Certified Mail Receipts 4480 4503

NO Objection Received ___ Set to Hearing _____ Date 4512 4515

NOTES: Withdrew 8 wells from original app.

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL? YES

COMMUNICATION WITH CONTACT PERSON:

1st Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

2nd Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

3rd Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

STATE OF NEW MEXICO
ENERGY, MINERALS and NATURAL
RESOURCES DEPARTMENT

Oil Conservation Div.
2040 Pacheco St.
Santa Fe, NM 87505

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: X Secondary Recovery _____ Pressure Maintenance _____ Disposal _____ Storage
Application qualifies for administrative approval? X Yes ___ No

II. OPERATOR: The Wiser Oil Company

ADDRESS: P. O. Box 2568, Hobbs, NM 88241

CONTACT PARTY: Jim Ward PHONE: (505) 392-9797

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

IV. Is this an expansion of an existing project: X Yes ___ No
If yes, give the Division order number authorizing the project R-10094 Caprock Maljamar Unit

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 geological data on the injection zone including appropriate lithologic detail, geological 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 source 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: Michael B. Burch, CPL TITLE: Agent

SIGNATURE: Michael B. Burch by B DATE: 8-16-96

* 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 circumstance of the earlier submittal. _____

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

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 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, PO Box 2088, Santa Fe, NM 87504-2088 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.

C-108
APPLICATION FOR AUTHORIZATION TO INJECT

III. WELL DATA

The following data sheets describe the 29 Water Injection Wells for which this application is submitted by The Wiser Oil Company.

INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company (Atlantic Richfield Co.) LEASE BLM # LC-059152-B

WELL NO. CMU #33 (fka Johns "B" DE #12) 660' FNL, 660' FWL, Unit D 24 17S 32E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic

See Attached

Well Construction Data

Surface Casing Set @ 186'

Size 8 5/8 " Cemented with 150 sx.

TOC Surface feet determined by _____

Hole Size 12 ¼"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4402'

Size 4 ½ " Cemented with 400 sx.

TOC 2920' feet determined by temperature survey

Hole Size 7 7/8"

Total Depth 4403'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8" lined with plastic set in a
(type of internal coating)
packer at 4063' feet

Other type of tubing / casing seal if applicable

Other Data

1. Is this a new well drilled for injection? ___ Yes X No

   If no, for what purpose was the well originally drilled? Oil production-Converted to WIW 3-27-66

   P&A 12-20-78 The Wiser Oil Company plans to re-enter this well and complete as WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4112-4178'; 4173-80'; 4103-4113;

   4121-4131'; 4164-4169' 4136-40'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

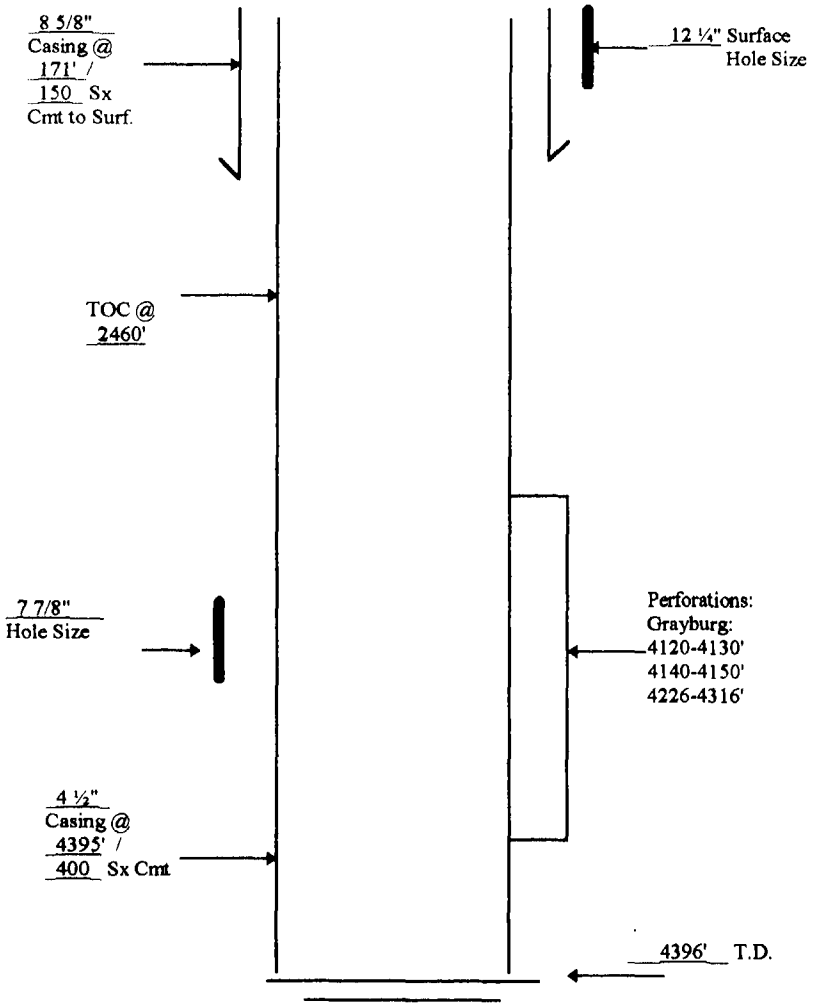
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company (Atlantic Richfield Co.) LEASE BLM # LC-059152-B

WELL NO. CMU # 34 (fak Johns B DE #11) 660' FNL, 1980' FWL, Unit C 24 17S 32E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 171'

Size 8 5/8 " Cemented with 150 sx.

TOC Surface feet determined by _____

Hole Size 12 ¼"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4395'

Size 4 ½ " Cemented with 400 sx.

TOC 2460' feet determined by temperature survey

Hole Size 7 7/8"

Total Depth 4396'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8" lined with _____ set in a
(type of internal coating)
_____ packer at 4166 feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production - Shut-in 11-5-86 - Notice of Intent to P&A filed 2-27-92 but work apparently never done - The Wiser Oil Company plans to convert this well to WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

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

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4120-4130'; 4140-4150'; 4226-4316'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

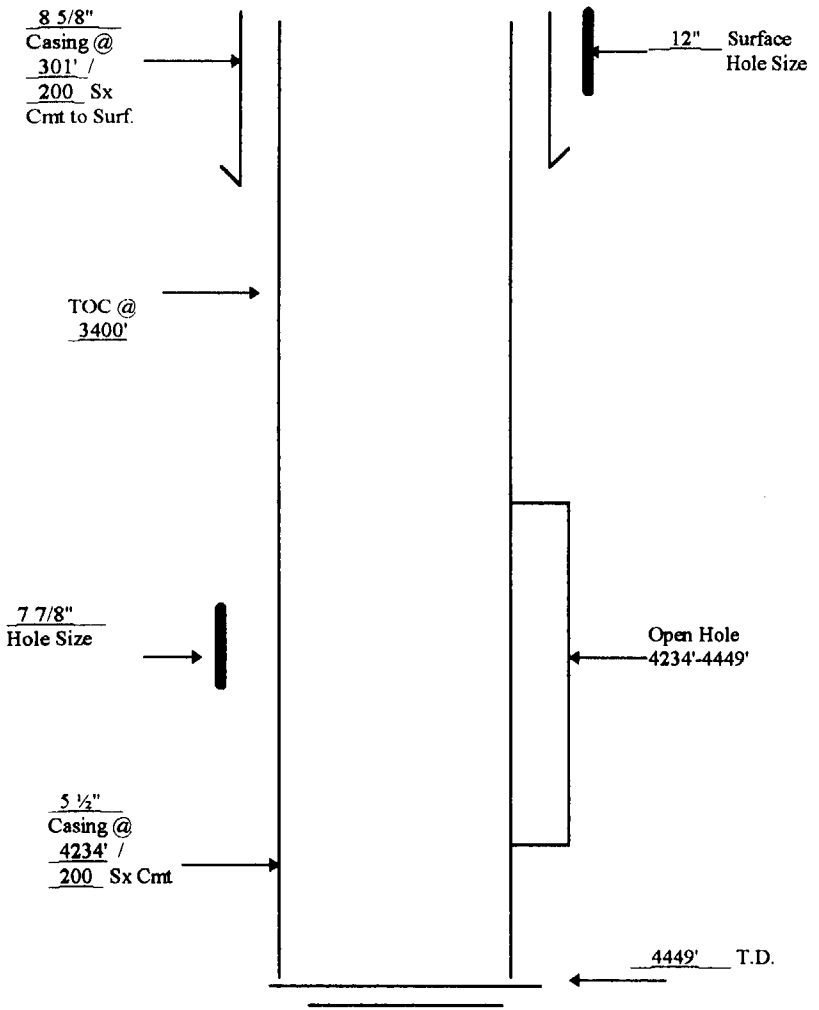
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2148

WELL NO. CMU # 45 (fka Mal-Gra Unit D #4) 660' FNL, 660' FWL, Unit D 21 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 301'

Size 8 5/8 " Cemented with 200 sx.

TOC Surface feet determined by _____

Hole Size 12"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4234'

Size 5 ½ " Cemented with 200 sx.

TOC 3400' feet determined by Calculation

Hole Size 7 7/8"

Total Depth 4449'

Injection Interval

4234' feet to 4449' feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8" lined with plastic set in a
(type of internal coating)
tension packer at 4220' feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production - converted to WIW 6-12-65

   Shut-In

2. Name of the injection formation Grayburg San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4234-4449'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

   Leamex

INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company (ARCO Oil and Gas Co.) LEASE BLM # LC-059152-B

WELL NO. CMU # 46 (fka Johns B DE #1, fka R. D. Johns #1 & 2) 1980' FNL, 660' FWL, Unit E 24 17S 32E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic

See Attached

Well Construction Data

Surface Casing Set @ 1010'

Size 10 ¾ " Cemented with 50 sx.

TOC Surface feet determined by _____

Hole Size Unknown

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 3620'

Size 7 " Cemented with 250 sx.

TOC _____ feet determined by _____

Hole Size Unknown

Total Depth 4395'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size _____ lined with _____ set in a
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production - P&A 7-26-79

   The Wiser Oil Company plans to re-enter this well and complete as WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

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

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 3620-4395'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company (Atlantic Richfield Co.) LEASE BLM # LC-059152-B

WELL NO. CMU # 47 (fka Johns "B" DE #4) 2310' FNL, 1650' FWL, Unit F 24 17S 32E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic

See Attached

Well Construction Data

Surface Casing Set @ 168'

Size 8 5/8" " Cemented with 150 sx.

TOC Surface feet determined by _____

Hole Size 12 ¼"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4323'

Size 5 ½" " Cemented with 400 sx.

TOC 2310' feet determined by temperature survey

Hole Size 7 7/8"

Total Depth 4324'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8" lined with plastic set in a
(type of internal coating)
Model R packer at 4060' feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production-Converted to WIW 3-6-66

   P&A 12-26-78 The Wiser Oil Company plans to re-enter this well and complete as WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4130-4150'; 4192-4208'; 4285-4311'

   4122-4132; 4109-4200'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

   _____

   _____

   _____

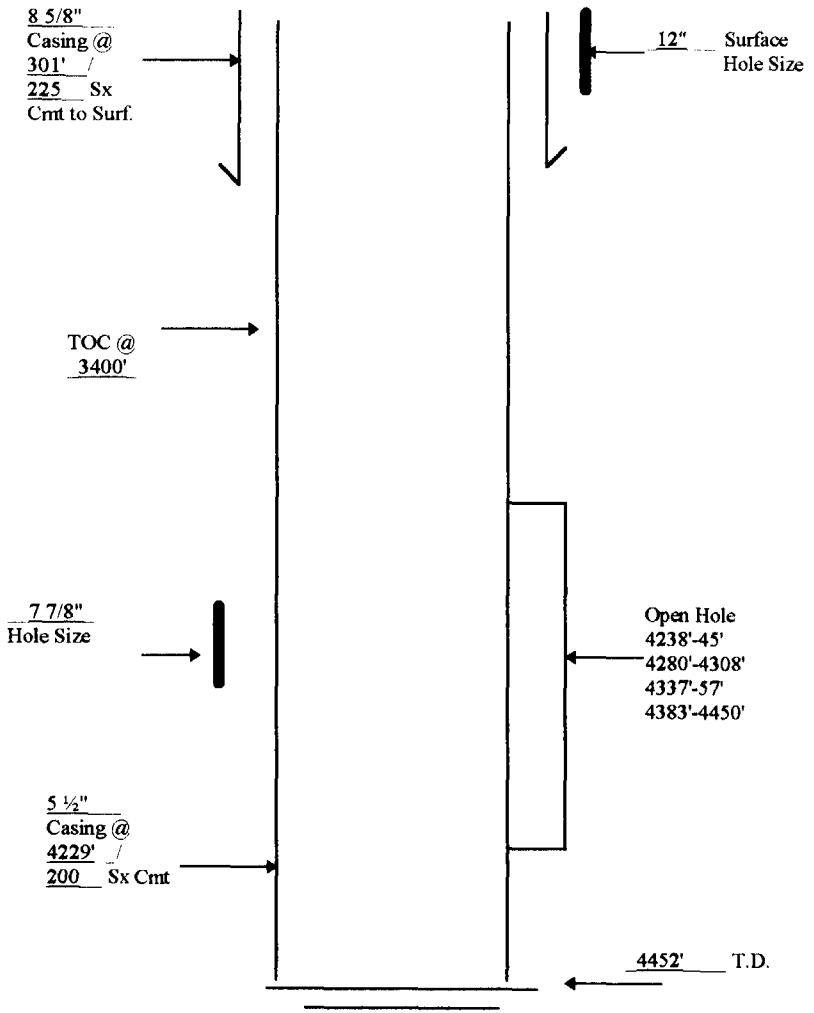
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico

WELL NO. CMU #58 (fka Mal-Gra Unit D #2) 1980' FNL, 660' FWL, Unit E 21 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 301'

Size 8 5/8" " Cemented with 225 sx.

TOC Surface feet determined by _____

Hole Size 12"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4229

Size 5 ½" " Cemented with 200 sx.

TOC 3400 feet determined by Calculation

Hole Size 7 7/8"

Total Depth 4452'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size _____ lined with _____ set in a
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production

   The Wiser Oil Company plans to convert this well to a WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4238-45; 4280-4308'; 4337-57;

   4383-4450'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

_____

_____

_____

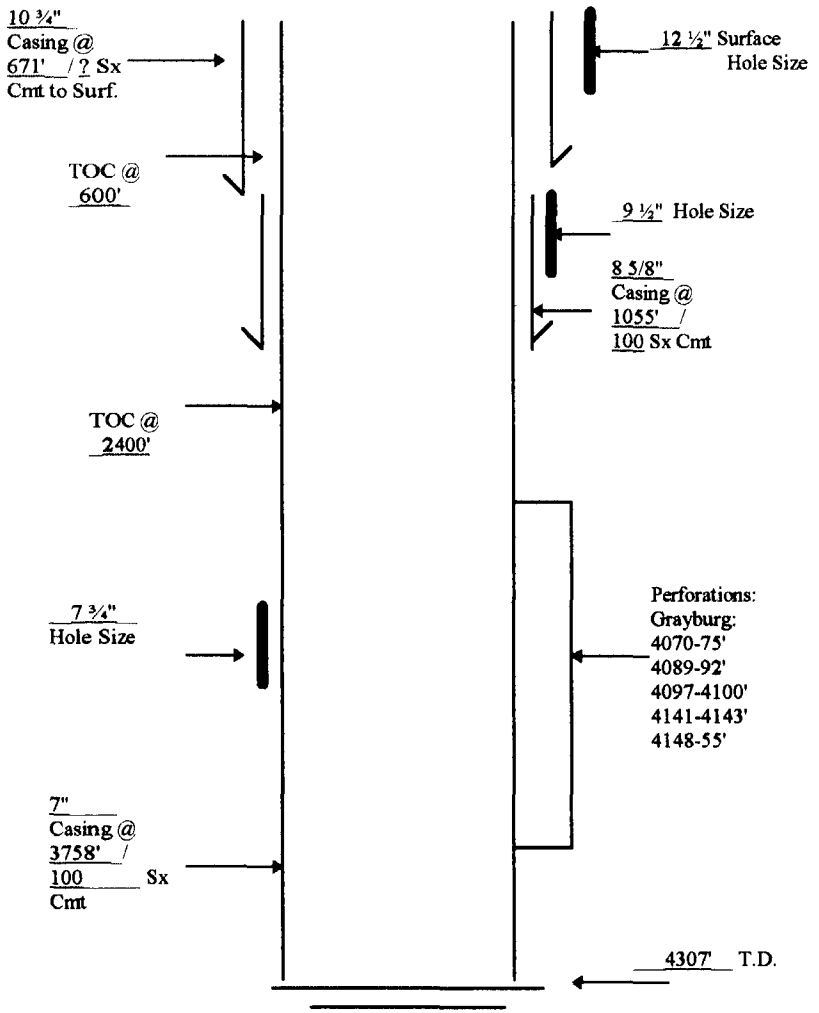
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company (Emperor Oil Co.) LEASE BLM Lease Unknown

WELL NO. CMU # 60 (fka Johns B DE #2) 1980' FSL, 620' FWL, Unit L 24 17S 32E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 671

Size 10 ¾ " Cemented with Unknown sx.

TOC Surface feet determined by _____

Hole Size 12 ½ "

Intermediate Casing Set @ 1055'

Size 8 5/8 " Cemented with 100 sx.

TOC 600' feet determined by estimation

Hole Size 9 ½"

Long String Set @ 3758'

Size 7 " Cemented with 100 sx.

TOC 2400 feet determined by estimation

Hole Size 7 ¾ "

Total Depth 4307'

Injection Interval

4070 feet to 4155 feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8" lined with _____ set in a
(type of internal coating)
Baker Model AD-1 packer at 3646 feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production - Converted to WIW 2-15-66

2. Name of the injection formation Grayburg - San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 3855-3922'; 4015-4059'; 4145-4168'; 4219-4232; 4284-4307'; 4070—75; 4089-92; 4097-4100; 4141-4143; 4148-55

   Notice of Intent to plug well filed 3-11-92, but work does not appear to have been done.

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company (Atlantic Richfield Company) LEASE BLM #LC-059152-B

WELL NO. CMU #61 (fka Johns "B" DE #3) 1980' FSL, 1980' FWL, Unit K 24 17S 32E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic

See Attached

Well Construction Data

Surface Casing Set @ 129'

Size 8 5/8" " Cemented with 40 sx.

TOC Surface feet determined by _____

Hole Size 11"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 3840'

Size 5 ½" " Cemented with 350 sx.

TOC _____ feet determined by Calculation

Hole Size 7 7/8"

Total Depth 4345'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 3 ½" lined with _____ set in a
(type of internal coating)
_____ packer at 3710' feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production, P&A 5-27-78

   The Wiser Oil Company plans to re-enter this well and complete as WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4130-35; 4185-4205'; 4280-90;

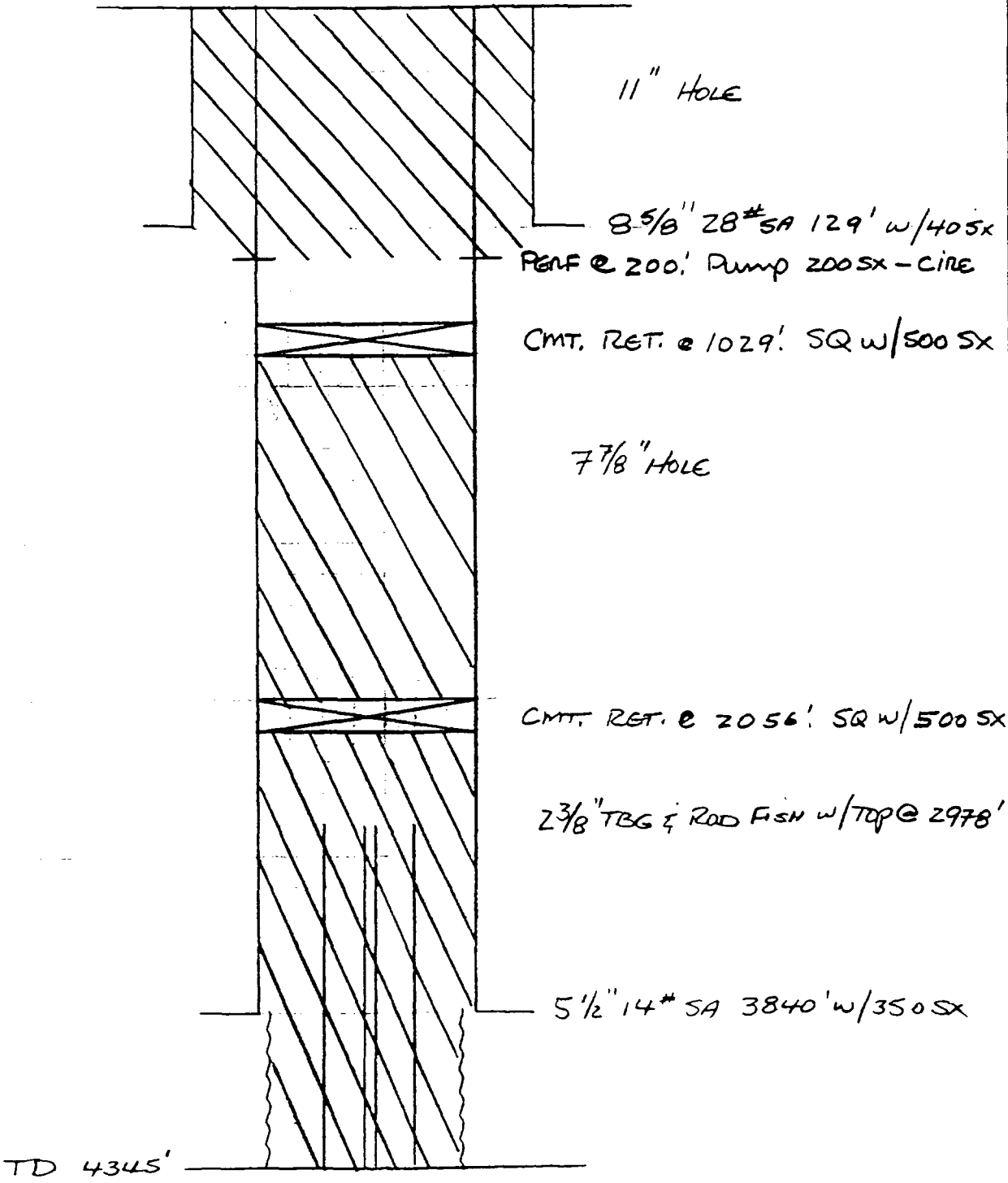
5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

CMU #61

(fka ARCO JOHNS "B" #3)

24"K"-175-32E

3/5/42



P & A 5/78

H 6/29/94

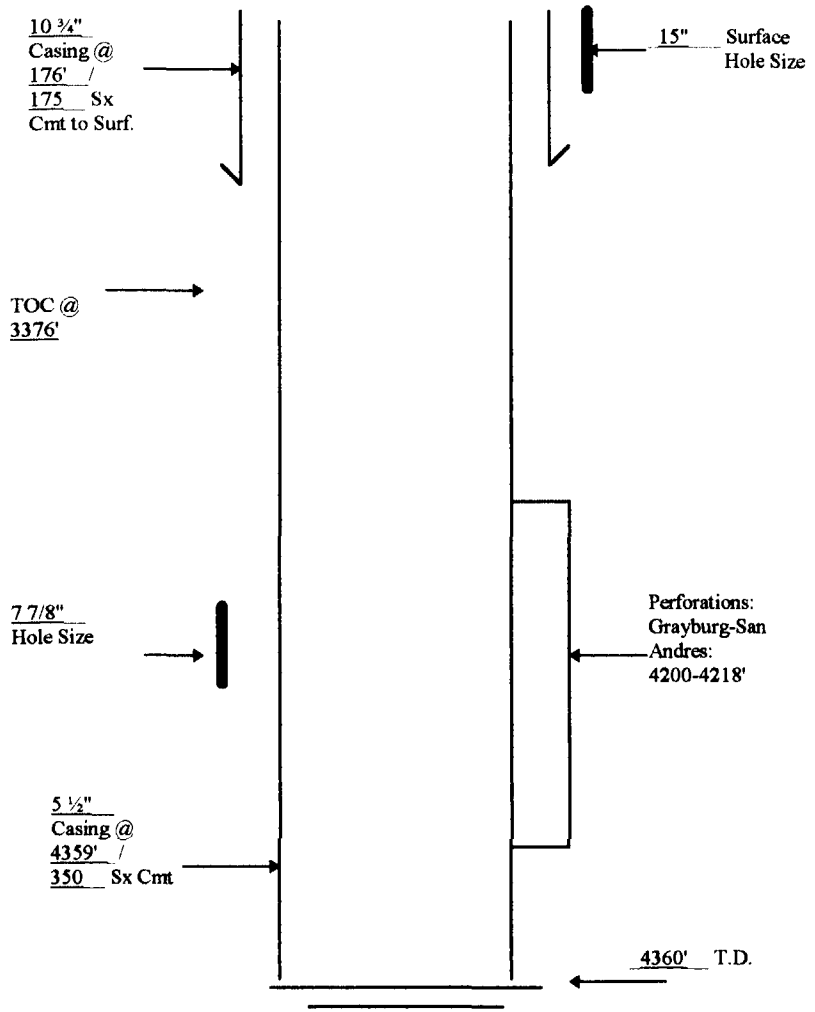
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE BLM # LC-059152-B

WELL NO. CMU # 63 (fka Johns B DE #6) 1980' FSL, 660' FEL, Unit I 24 17S 32E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 176'

Size 10 ¾ " Cemented with 175 sx.

TOC Surface feet determined by _____

Hole Size 15"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4359'

Size 5 ½" " Cemented with 350 sx.

TOC 3376' feet determined by temperature survey

Hole Size 7 7/8"

Total Depth 4360

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8 " lined with _____ set in a
(type of internal coating)
_____ packer at 4343' feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production

   The Wiser Oil Company plans to convert this well to WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4143-4156; 4195-4210; 4282-4305;

   4200-4218

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

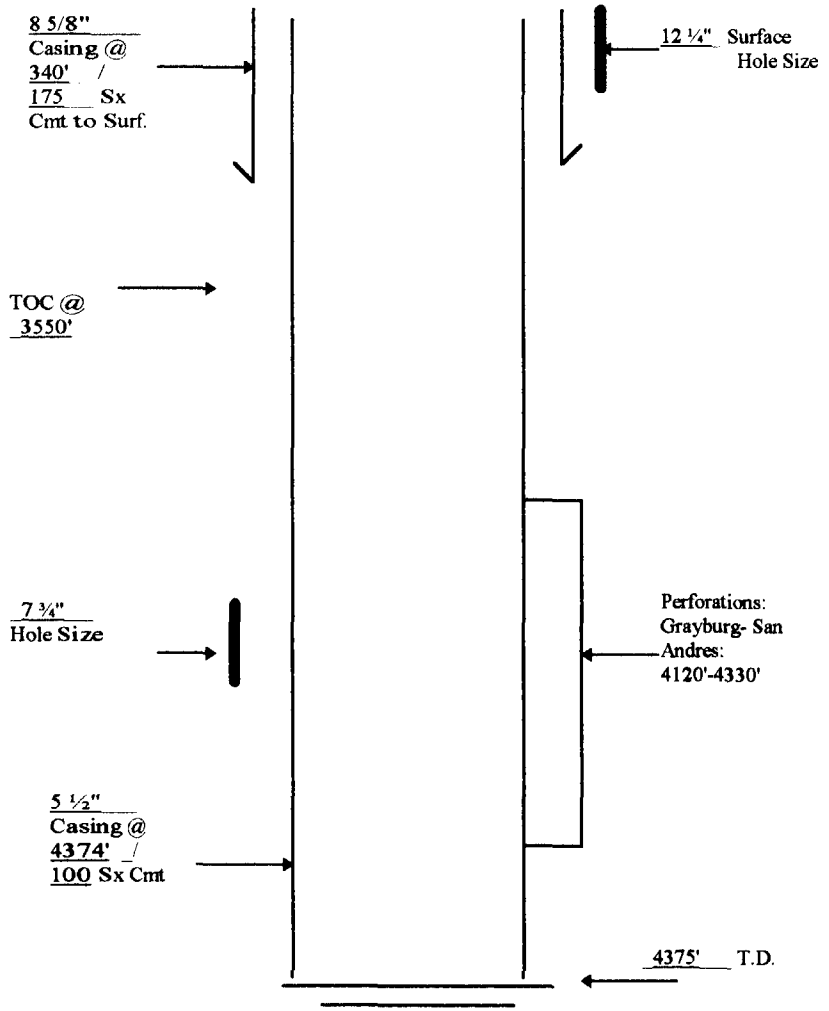
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico # 2149

WELL NO. CMU # 65 (fka Phillips B St #9) 2310' FSL, 2379' FWL, Unit K 19 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing 340'

Size 8 5/8" " Cemented with 175 sx.

TOC Surface feet determined by _____

Hole Size 12 ¼ "

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4374'

Size 5 ½" " Cemented with 100 sx.

TOC 3550' feet determined by temperature survey

Hole Size 7 ¾"

Total Depth 4375'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size _____ lined with _____ set in a
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production

   The Wiser Oil Company plans to convert this well to WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4120-4330'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

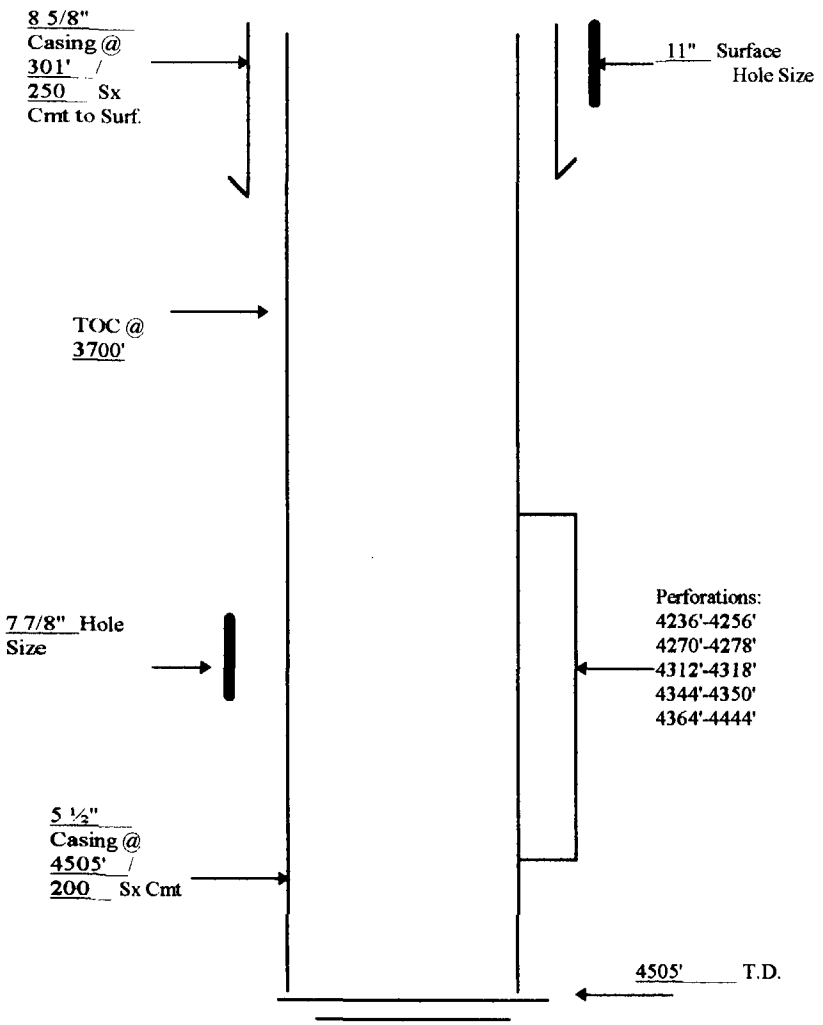
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2148

WELL NO. CMU #72 (fka MalGra Ut D #1) 1980' FSL, 660' FWL, Unit L 21 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 301'

Size 8 5/8" " Cemented with 250 sx.

TOC Surface feet determined by _____

Hole Size 11"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4505'

Size 5 ½" " Cemented with 200 sx.

TOC 3700 feet determined by estimation

Hole Size 7 7/8"

Total Depth 4505'

Injection Interval

4236' feet to 4444' feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8" lined with plastic set in a
(type of internal coating)
tension packer at 4216' feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production - Converted to WIW 6-12-65 SI

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4236-4256; 4270-4278; 4312-4318; 4344-4350'; 4364-4444'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

_____

_____

_____

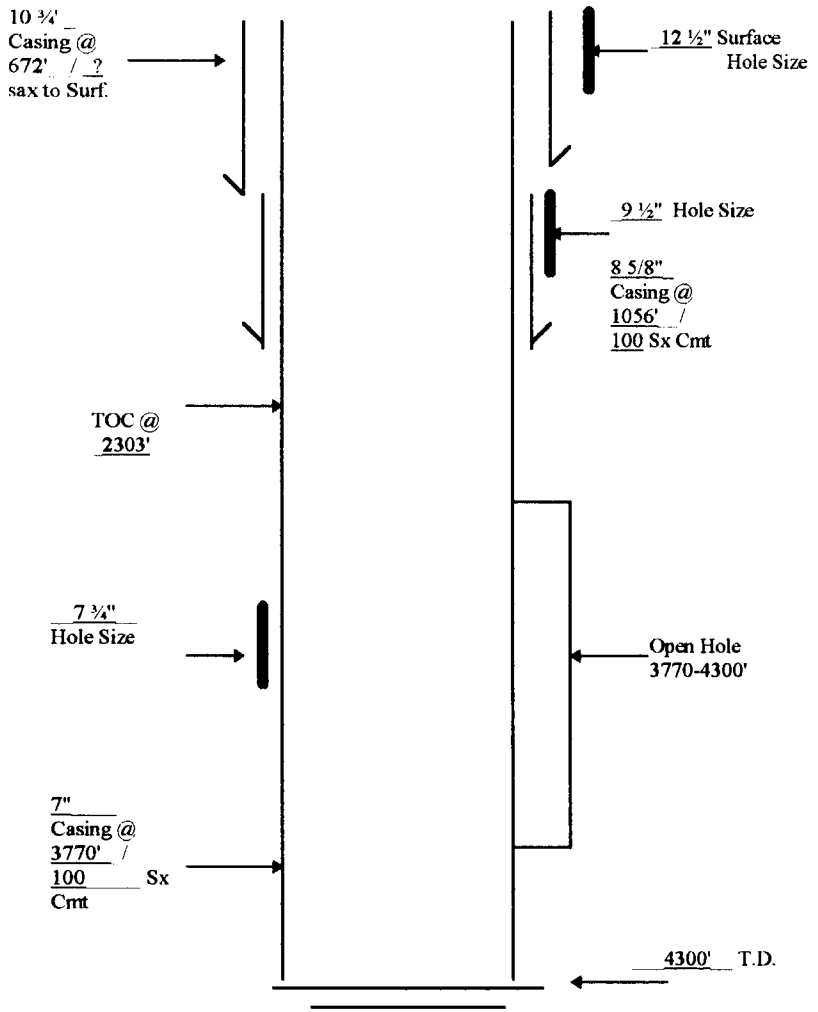
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE BLM # LC-030437-A

WELL NO. CMU # 73 (fka Johns A-24 DE #1) 660' FSL, 660' FWL, Unit M 24 17S 32E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 652'

Size 10 3/4" " Cemented with Not specified sx.

TOC Surface feet determined by _____

Hole Size Not Specified - Estimated to be 12½"

Intermediate Casing Set @ 1056'

Size 8 5/8" " Cemented with 100 sx.

TOC _____ feet determined by _____

Hole Size Not Specified - Estimated to be 9½"

Long String Set @ 3770'

Size 7 " Cemented with 100 sx.

TOC 2303 feet determined by Calculation

Hole Size Not Specified - Estimated to be 7 ¾"

Total Depth 4300'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8" lined with _____ set in a
(type of internal coating)
_____ packer at 3750' feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production

   The Wiser Oil Company plans to convert this well to WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 3865-3910; 4045-4056; 4110-4175;

   4188-4238; 4278-4295

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

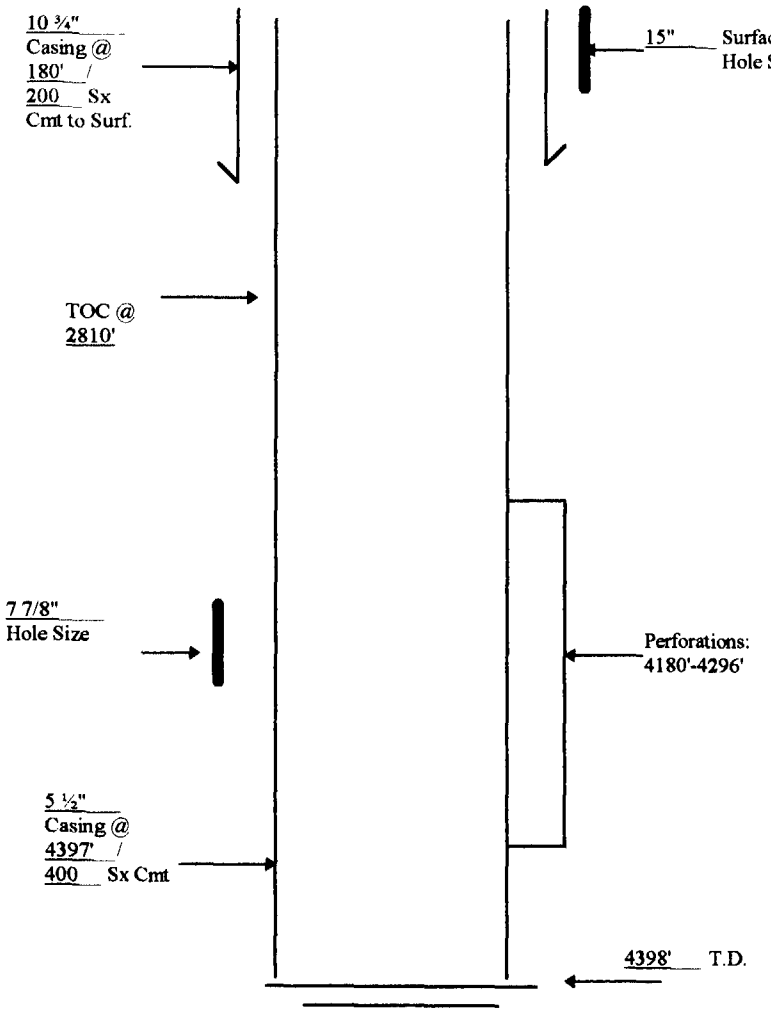
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE BLM # LC-030437-A

WELL NO. CMU # 76 (fka Johns A-24 DE #5) 330' FSL, 990' FEL, Unit P 24 17S 32E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 180'

Size 10 ¾ " Cemented with 200 sx.

TOC Surface feet determined by _____

Hole Size 15"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4397'

Size 5 ½ " Cemented with 400 sx.
behind

TOC 2810' feet determined by temperature survey

Hole Size 7 7/8"

Total Depth 4398'

Injection Interval

4180' feet to 4296' feet
(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8" lined with plastic set in a
(type of internal coating)
packer at 4071' feet

Other type of tubing / casing seal if applicable

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production - Converted to WIW 3-3-66 SI

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4192-4202'; 4208-4212'; 4180-4190'; 4196-4200'; 4278-96'; (4180-4296')

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

   Pearsal

INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company (Phillips Petroleum Co.) LEASE State of New Mexico # B-2148

WELL NO. CMU # 77 (fka Leamex #1) 660' FSL, 660' FWL, Unit M 19 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic

See Attached

Well Construction Data

Surface Casing Set @ 1163'

Size 8 5/8" " Cemented with 400 sx.

TOC Surface feet determined by _____

Hole Size 11"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4016'

Size 5 ½" " Cemented with 300 sx.

TOC _____ feet determined by Calculation

Hole Size 7 7/8"

Total Depth 4316'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size _____ lined with _____ set in a
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production P&A 5-18-71

   The Wiser Oil Company plans to re-enter this well and complete as WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4016-4316'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

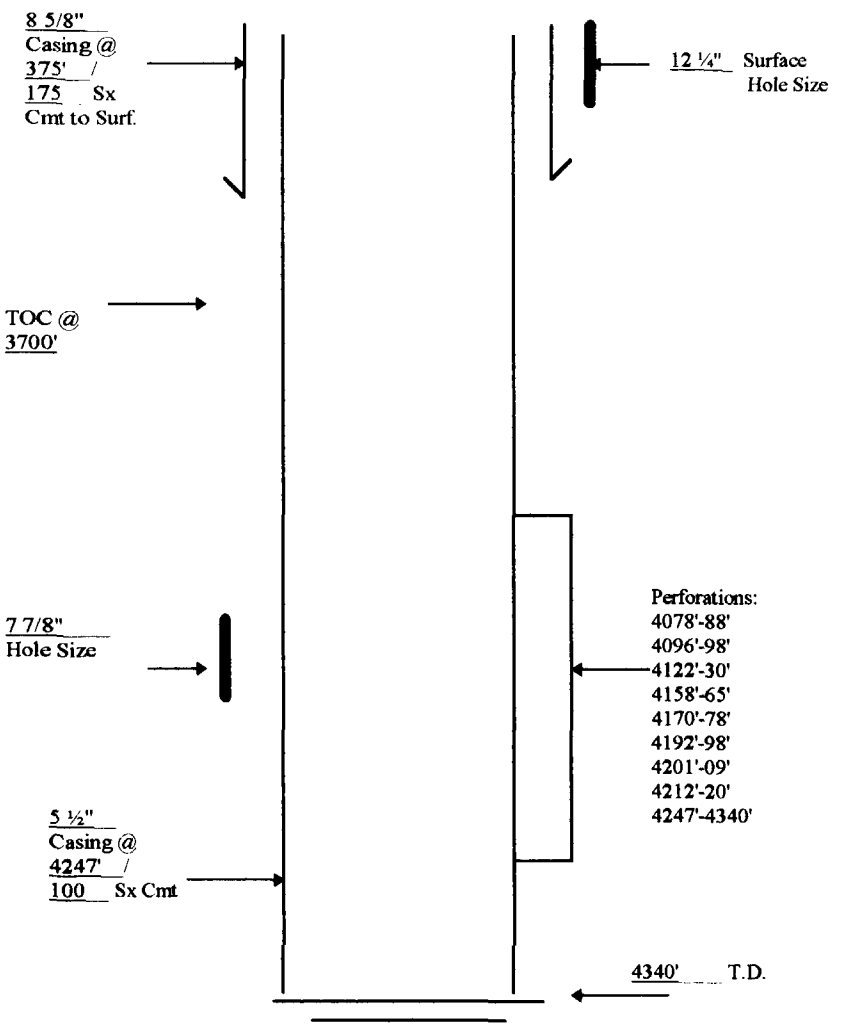
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2149

WELL NO. CMU #79 (fka Phillips B State #8) 990' FSL, 2310' FEL, Unit O 19 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 375'

Size 8 5/8" " Cemented with 175 sx.

TOC Surface feet determined by _____

Hole Size 12 ¼"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4247

Size 5 ½" " Cemented with 100 sx.

TOC 3700' feet determined by Worth Well Surveys

Hole Size 7 7/8"

Total Depth 4340'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size _____ lined with _____ set in a
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production TA 7-18-72

   The Wiser Oil Company plans to convert this well to WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4247-4340'; 4078-88'; 4096-98';

   4122-30'; 4158-65'; 4170-78'; 4192-98'; 4201-09; 4212-20'.

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

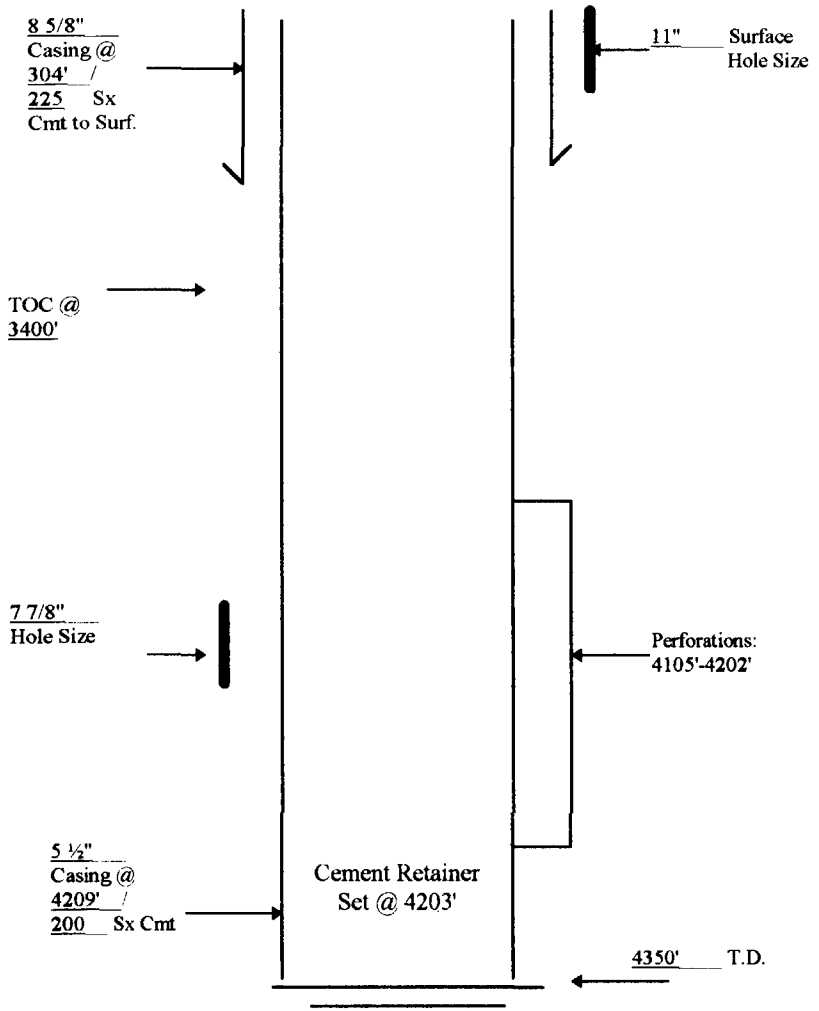
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2148

WELL NO. CMU #82 (fak Mal-Gra Ut. B #4) 330' FSL, 2310' FWL, Unit N 20 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 304'

Size 8 5/8" " Cemented with 225 sx.

TOC Surface feet determined by _____

Hole Size 11"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4209'

Size 5 ½" " Cemented with 200 sx.

TOC 3400 feet determined by estimation

Hole Size 7 7/8"

Total Depth 4350'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8" lined with plastic set in a
(type of internal coating)
tension packer at 4289' feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production - Converted to WIW 6-12-65

   Changed to Shut-in production well 10-15-87. Currently producing well The Wiser Oil Company plans to convert this well to WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4105'-4202'; 4218'-4350'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

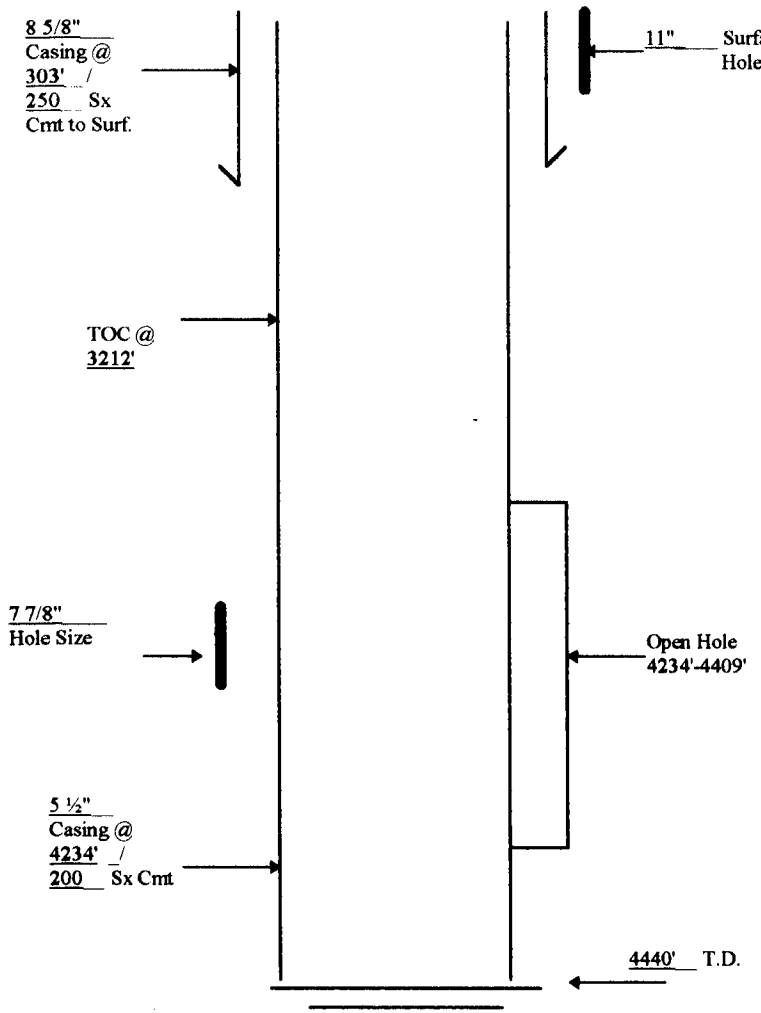
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2148

WELL NO. CMU #84 (fka MalGra Ut B #3) 660' FSL, 660' FEL, Unit P 20 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 303'

Size 8 5/8" " Cemented with 250 sx.

TOC Surface feet determined by _____

Hole Size 11"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4234'

Size 5 ½" " Cemented with 200 sx.

TOC 3212 feet determined by calculation

Hole Size 7 7/8"

Total Depth 4440'

Injection Interval

4234' feet to 4409' feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size _____ lined with _____ set in a
(type of internal coating)
tension packer at 4220' feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production-Converted to WIW 6-12-65

   SI

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4234-4409'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

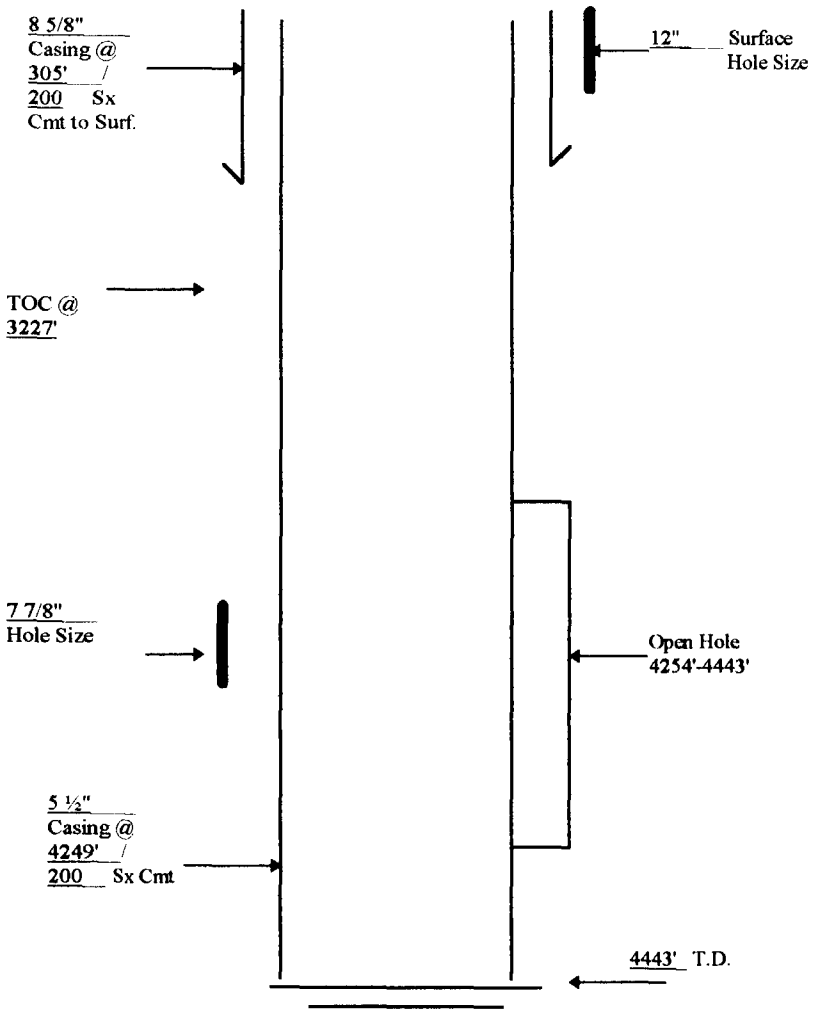
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2148

WELL NO. CMU #85 (fka MalGra Ut D #3) 660' FSL, 660' FWL, Unit M 21 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 305'

Size 8 5/8" " Cemented with 200 sx.

TOC Surface feet determined by _____

Hole Size 12"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4249'

Size 5 ½" " Cemented with 200 sx.

TOC 3227 feet determined by calculation

Hole Size 7 7/8"

Total Depth 4443'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size _____ lined with _____ set in a
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production Shut In

   The Wiser Oil Company plans to convert this well to WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4254-4443'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

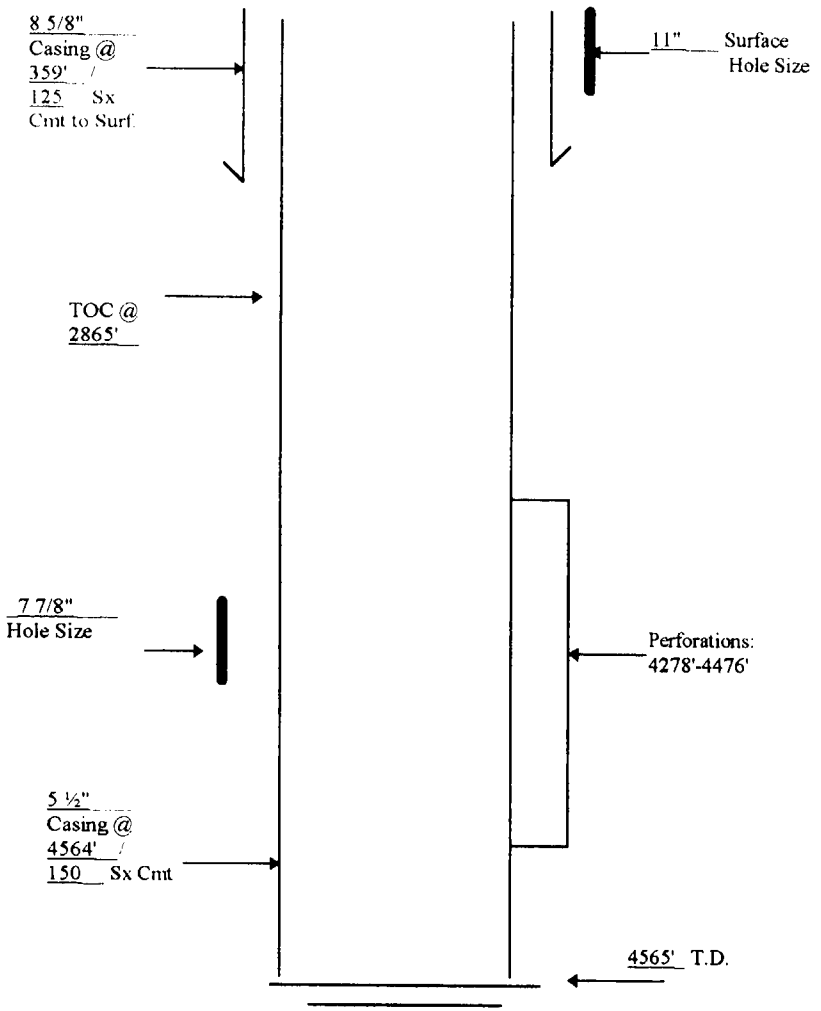
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2229

WELL NO. CMU #88 (fka Phillips State #4) 330' FNL, 330' FWL, Unit D 28 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 359'

Size 8 5/8" " Cemented with 125 SX.

TOC Surface feet determined by _____

Hole Size 11"

Intermediate Casing

Size _____ " Cemented with _____ SX.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4564'

Size 5 ½" " Cemented with 150 SX.

TOC 2865' feet determined by temperature survey

Hole Size 7 7/8"

Total Depth 4565'

Injection Interval

4278' feet to 4476' feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 1 jt 2 3/8"/134 jts 2 1/16" lined with plastic set in a
(type of internal coating)
Johnson Model 105 S Tension packer at 4214 feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production-Converted to WIW 4-19-67

   TA WIW 12-24-80

2. Name of the injection formation Grayburg - San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4278-4476'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

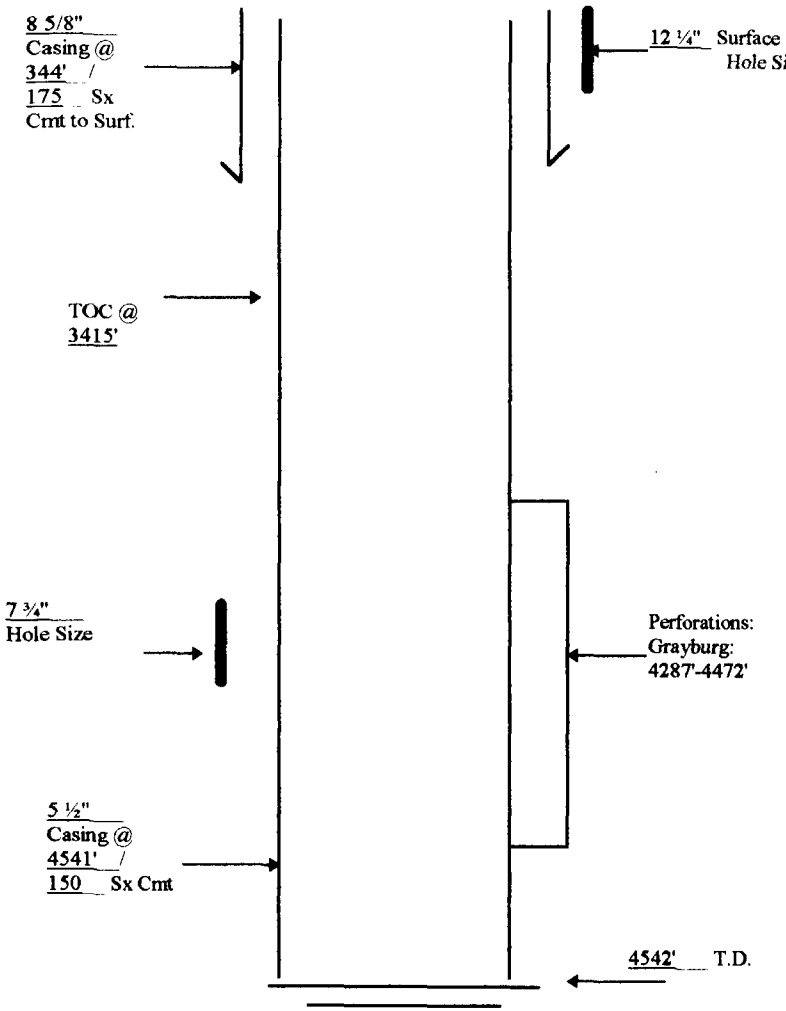
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2229

WELL NO. CMU #89 (fka Phillips State #5) 990' FNL, 1650' FWL, Unit C 28 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 344'

Size 8 5/8" " Cemented with 175 sx.

TOC Surface feet determined by _____

Hole Size 12 ¼"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4541'

Size 5 ½" " Cemented with 150 sx.

TOC 3415' feet determined by temperature survey

Hole Size 7 3/4"

Total Depth 4542'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8" lined with _____ set in a
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production

   The Wiser Oil Company plans to convert this well to WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4287-4472'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

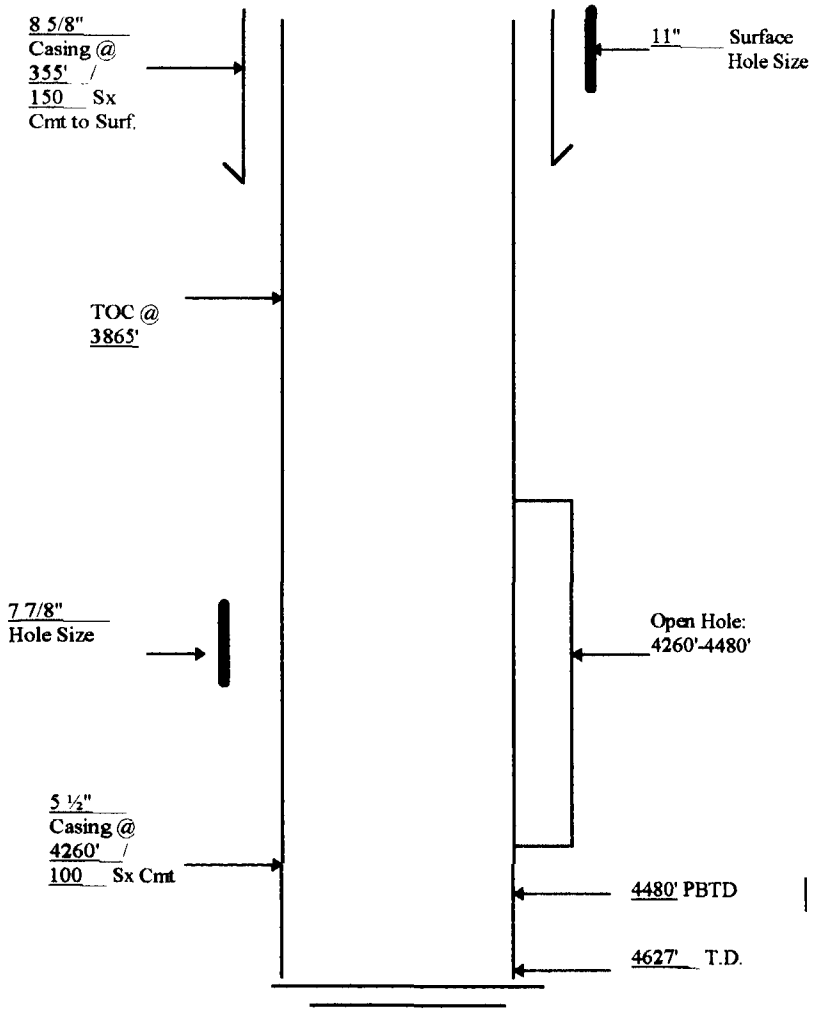
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2229

WELL NO. CMU #92 (fka Phillips State #11) 1980' FNL, 1980' FEL, Unit G 28 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 355'

Size 8 5/8" " Cemented with 150 sx.

TOC Surface feet determined by _____

Hole Size 11"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4260

Size 5 ½" " Cemented with 100 sx.

TOC 3865' feet determined by temperature survey

Hole Size 7 7/8"

Total Depth 4627' 4480' PBTD

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size _____ lined with _____ set in a
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production - Shut-in/TA (no temporary abandonment report on file) The Wiser Oil Company plans to convert this well to WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4260-4480' to convert to WIW

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

   _____

   _____

   _____

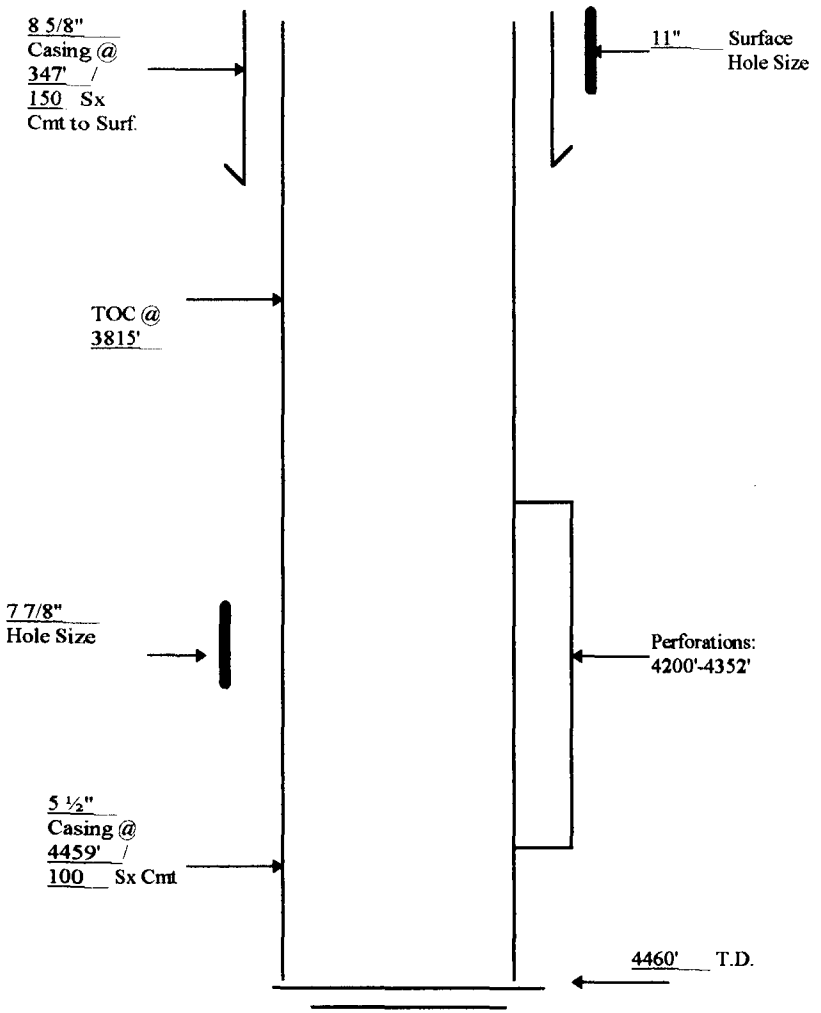
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2148

WELL NO. CMU #93 (fka Phillips State #2) 1980' FSL, 660' FWL, Unit L 28 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 347'

Size 8 5/8" " Cemented with 150 sx.

TOC Surface feet determined by _____

Hole Size 11"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4459'

Size 5 ½" " Cemented with 100 sx.

TOC 3815' feet determined by temperature survey

Hole Size 7 7/8"

Total Depth 4460'

Injection Interval

4200' feet to 4352' feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8" lined with plastic set in a
(type of internal coating)
Johnson Model 101 S tension packer at 3936' feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production-Converted to WIW 4-19-67
   SI

2. Name of the injection formation Grayburg - San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4200-4352'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

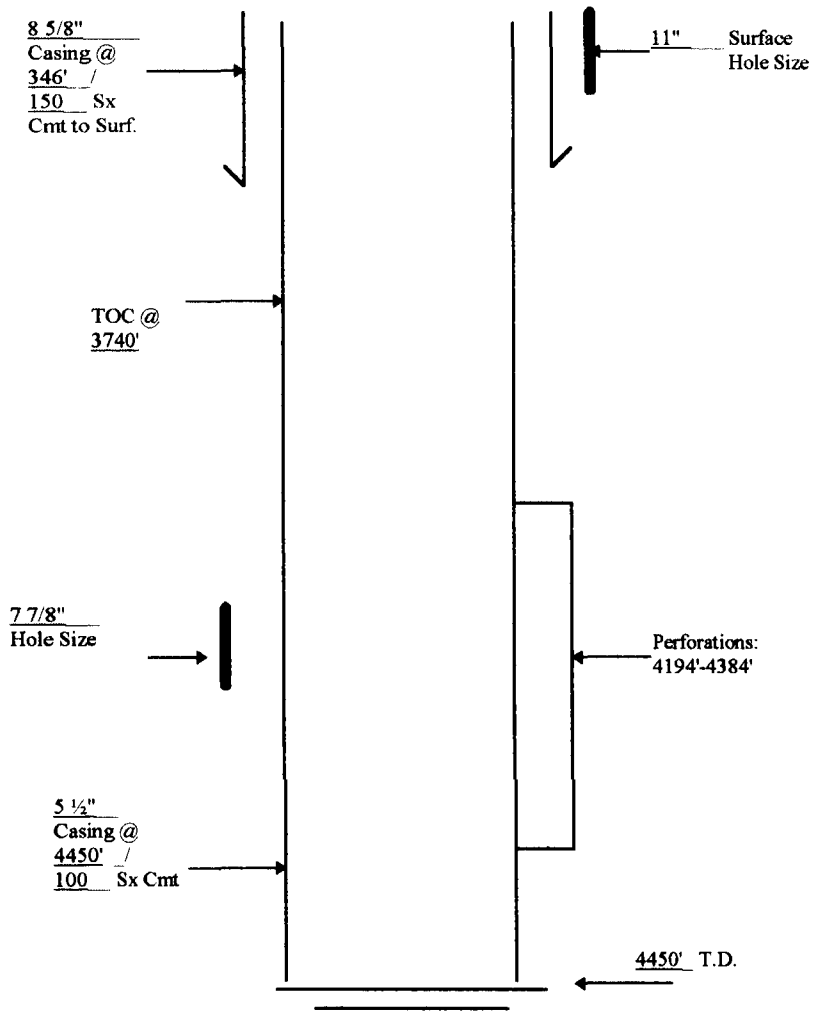
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2229

WELL NO. CMU #94 (fka Phillips State #7) 1980' FSL, 1980' FWL, Unit K 28 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 346'

Size 8 5/8" " Cemented with 150 sx.

TOC Surface feet determined by _____

Hole Size 11"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4450'

Size 5 ½" " Cemented with 100 sx.

TOC 3740' feet determined by temperature survey

Hole Size 7 7/8"

Total Depth 4450'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8" lined with _____ set in a
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production

   The Wiser Oil Company plans to convert this well to WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4364-4384' squeezed; 4194-4384'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

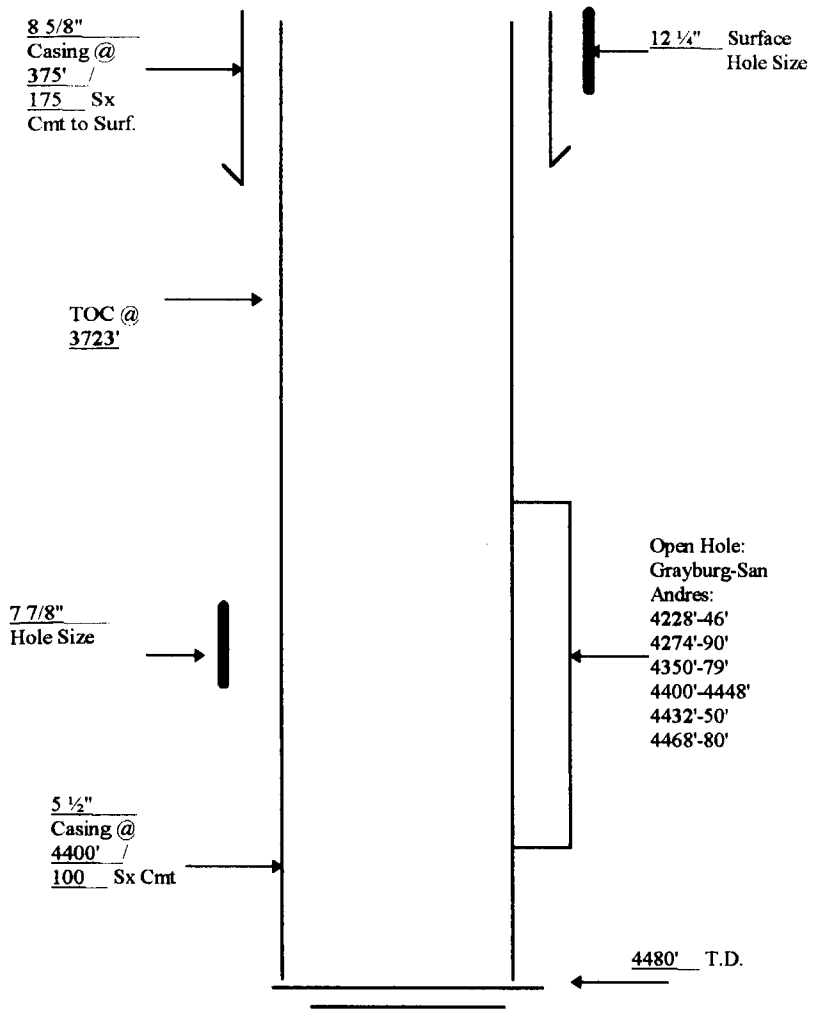
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2229

WELL NO. CMU #100 (fak Phillips State #9Y) 330' FSL, 2310' FEL, Unit O 28 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 375'

Size 8 5/8" " Cemented with 175 sx.

TOC Surface feet determined by _____

Hole Size 12 ¼"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4400'

Size 5 ½" " Cemented with 100 sx.

TOC 3723' feet determined by temperature survey

Hole Size 7 7/8"

Total Depth 4480'

Injection Interval

_____ feet to _____ feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8" lined with _____ set in a
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production

   The Wiser Oil Company plans to convert this well to WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. Open Hole 4400-4448';

   4228-46, 4274-90, 4350-79, 4432-50, 4468-80

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

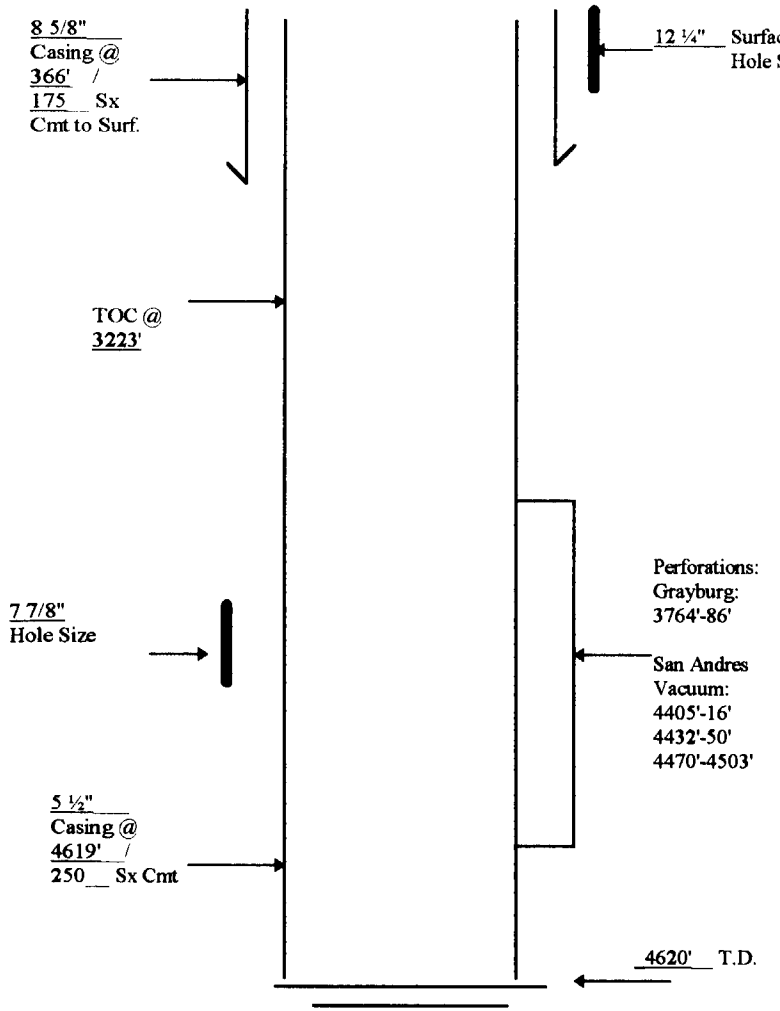
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE BLM # NM-801

WELL NO. CMU #104 (fka Phillips Fed #3) 1980' FNL, 660' FEL, Unit H 33 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 366'

Size 8 5/8" " Cemented with 175 sx.

TOC Surface feet determined by _____

Hole Size Not Specified - estimated to be 12 ¼"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4500'

Size 5 ½" " Cemented with 250 sx.

TOC 3223 feet determined by calculation

Hole Size Not Specified - Estimated to be 7 7/8"

Total Depth 4620'

Injection Interval

3764' feet to 4503' feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2 3/8" lined with plastic set in a
(type of internal coating)
Guiberson AD-1 tension packer at 4316' feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production-Converted to WIW 3-10-67

2. Name of the injection formation Grayburg - San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 3764-3786';

   Squeezed 3764-3786' (Queen) Perf'd 4405-16; 4432-50; 4470-4503

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

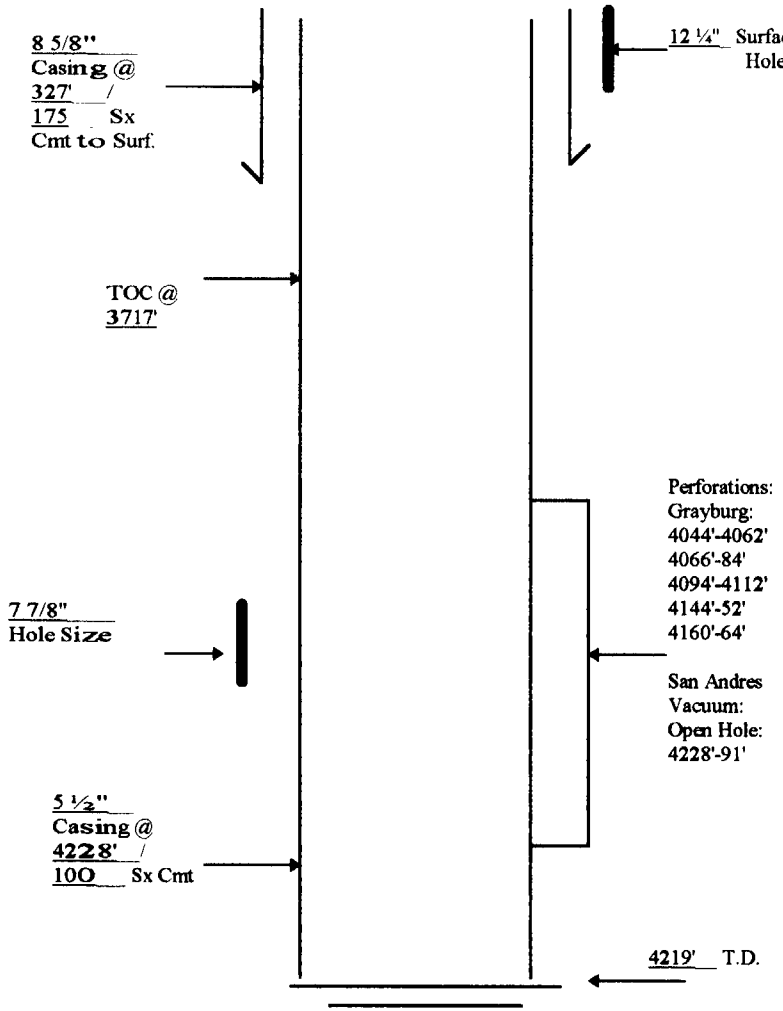
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2149

WELL NO. CMU #205 (fka Phillips St B #15) 1650' FSL, 1059' FWL, Unit L 19 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 327'

Size 8 5/8" " Cemented with 175 sx.

TOC Surface feet determined by _____

Hole Size 12 ¼"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4228

Size 5 ½" " Cemented with 100 sx.

TOC 3717 feet determined by calculation

Hole Size 7 7/8"

Total Depth 4291'

Injection Interval

4044' feet to 4291' feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2" lined with plastic set in a
(type of internal coating)
Baker Model A packer at 3998' feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes _X_ No

   If no, for what purpose was the well originally drilled? Oil production-Converted to WIW 6-8-65

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4044-4164'

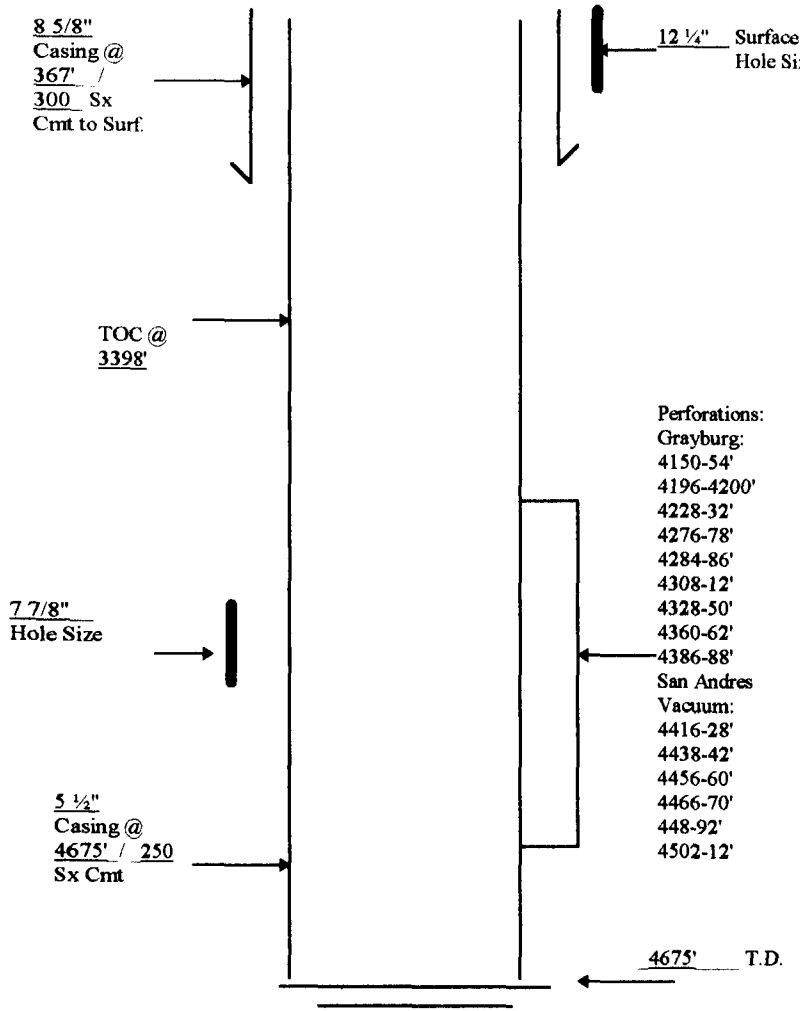
5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico #B-2148

WELL NO. CMU #260 | 1780' FNL, 660' FEL, Unit H (FOOTAGE LOCATION) | 18 (SECTION) | 17S (TOWNSHIP) | 33E (RANGE)

Schematic



Well Construction Data

Surface Casing Set @ 367'

Size 8 5/8 " Cemented with 300 sx.

TOC Surface feet determined by _____

Hole Size 12 ¼"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4675'

Size 5 ½" " Cemented with 250 sx.

TOC 3398 feet determined by calculation

Hole Size 7 7/8"

Total Depth 4675'

Injection Interval

4150 feet to 4512 feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size _____ lined with _____ set in a
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? _X_ Yes ___ No

   If no, for what purpose was the well originally drilled? Currently Drilling

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. _____

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

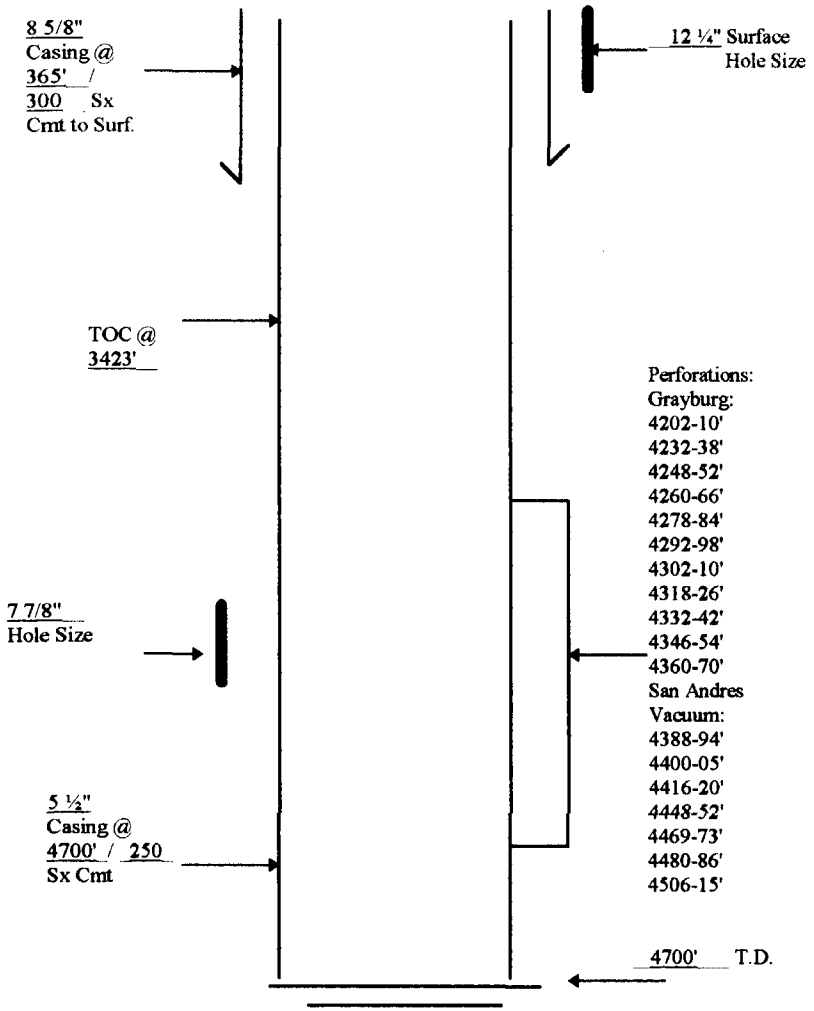
INJECTION WELL DATA SHEET

OPERATOR The Wiser Oil Company LEASE State of New Mexico #B-2148

WELL NO. CMU #261 760' FSL, 2080' FEL, Unit O 18 17S 33E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 365'

Size 8 5/8 " Cemented with 300 sx.

TOC Surface feet determined by _____

Hole Size 12 ¼"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4700'

Size 5 ½ " Cemented with 250 sx.

TOC 3423 feet determined by calculation

Hole Size 7 7/8"

Total Depth 4700'

Injection Interval

4202 feet to 4515 feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size _____ lined with _____ set in a
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? _X_ Yes ___ No

   If no, for what purpose was the well originally drilled? Currently Drilling

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. _____

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

INJECTION WELL DATA SHEET

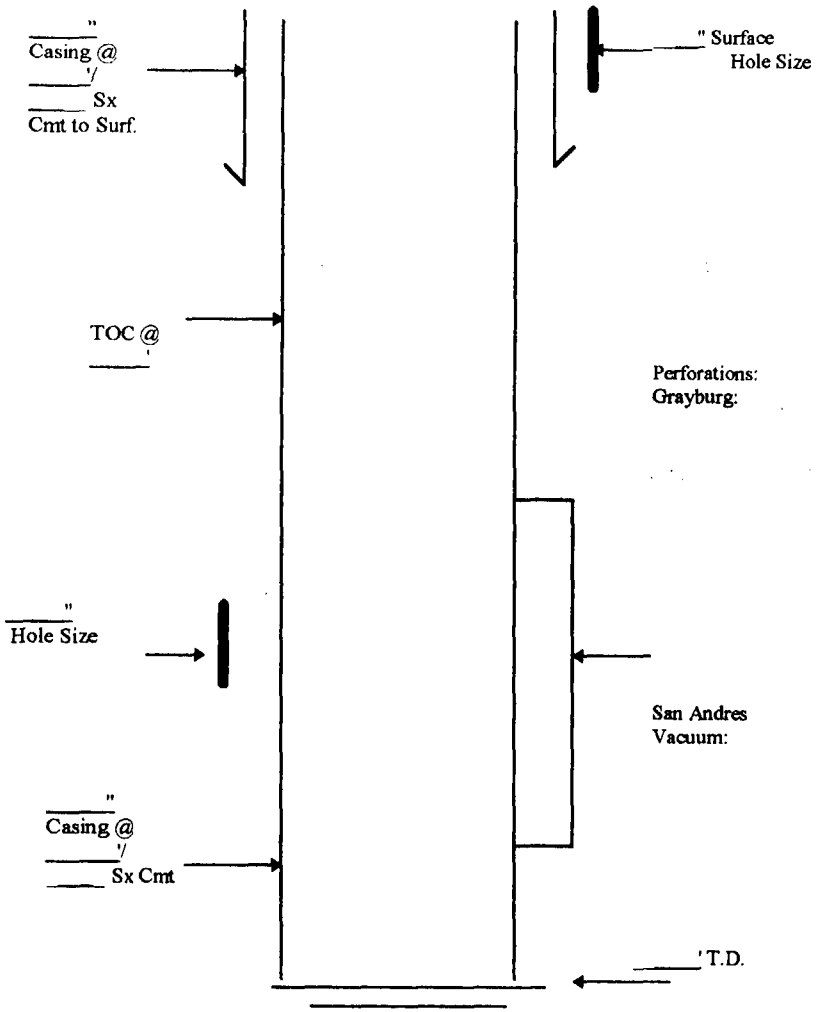
Side 1

OPERATOR The Wiser Oil Company LEASE BLM # LC-030437-A

WELL NO. CMU #262 See note in Other Data on Side 2 | 24 | 17S | 32E

FOOTAGE LOCATION | SECTION | TOWNSHIP | RANGE

Schematic



Well Construction Data

Surface Casing Set @ '

Size " Cemented with sx.

TOC ' feet determined by

Hole Size "

Intermediate Casing

Size " Cemented with sx.

TOC feet determined by

Hole Size

Long String Set @ '

Size " Cemented with sx.

TOC ' feet determined by

Hole Size "

Total Depth '

Injection Interval

feet to feet

(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Tubing Size _____ lined with _____ set in a
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? X Yes ___ No

   If no, for what purpose was the well originally drilled? APD is in process - the exact footage

   location will be provided as soon as it has been surveyed

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. _____

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

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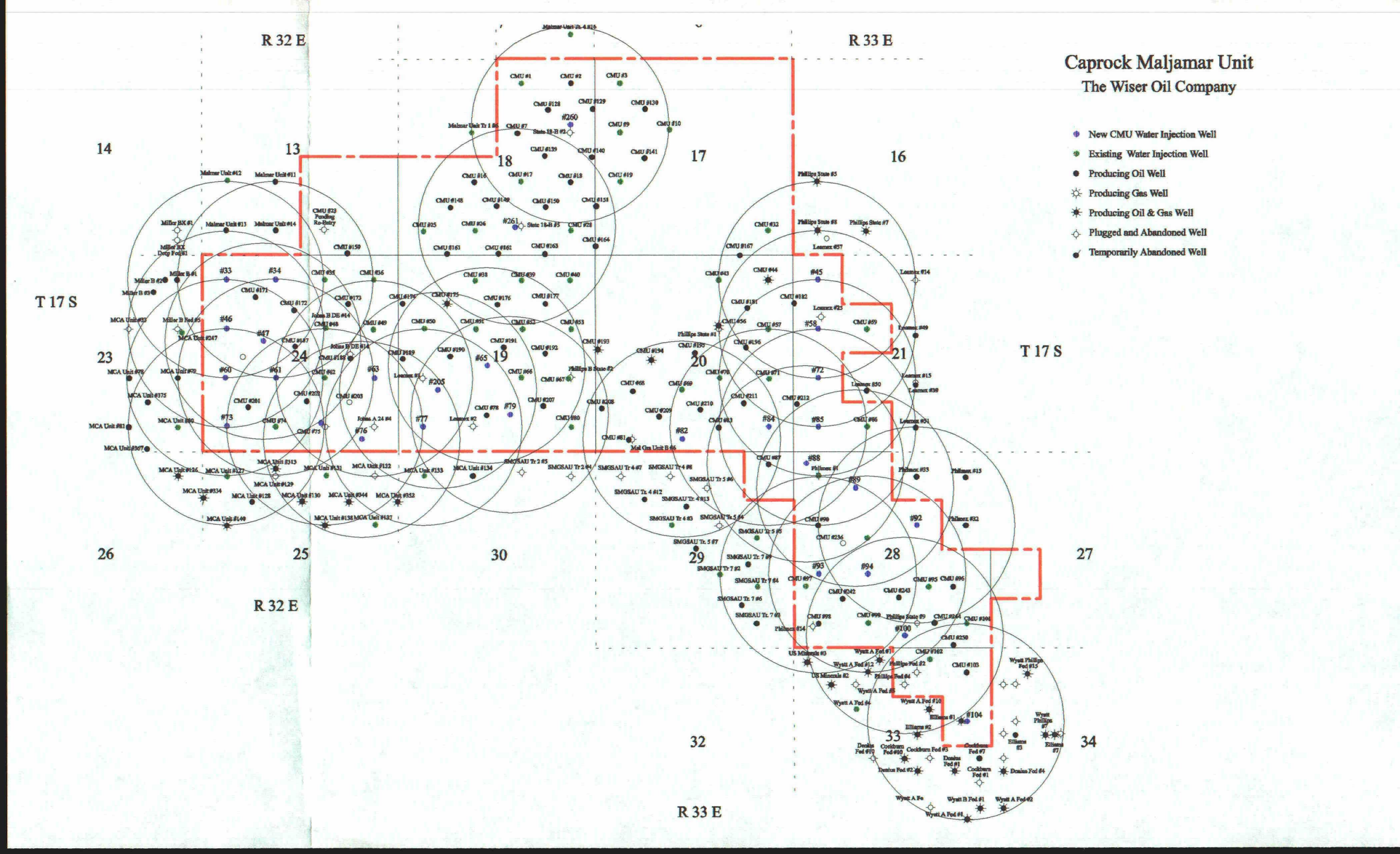
V. AREA OF REVIEW

The attached maps show all wells and leases within two miles of the proposed injection wells with a one-half mile radius circle drawn around each proposed injection well.


Caprock Maljamar Unit
The Wiser Oil Company
New CMU Water Injection Well
Existing Water Injection Well
Producing Oil Well
Producing Gas Well
Producing Oil & Gas Well
Plugged and Abandoned Well
Temporarily Abandoned Well
R 32 E
R 33 E
T 17 S
14
13
18
17
16
23
24
19
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26
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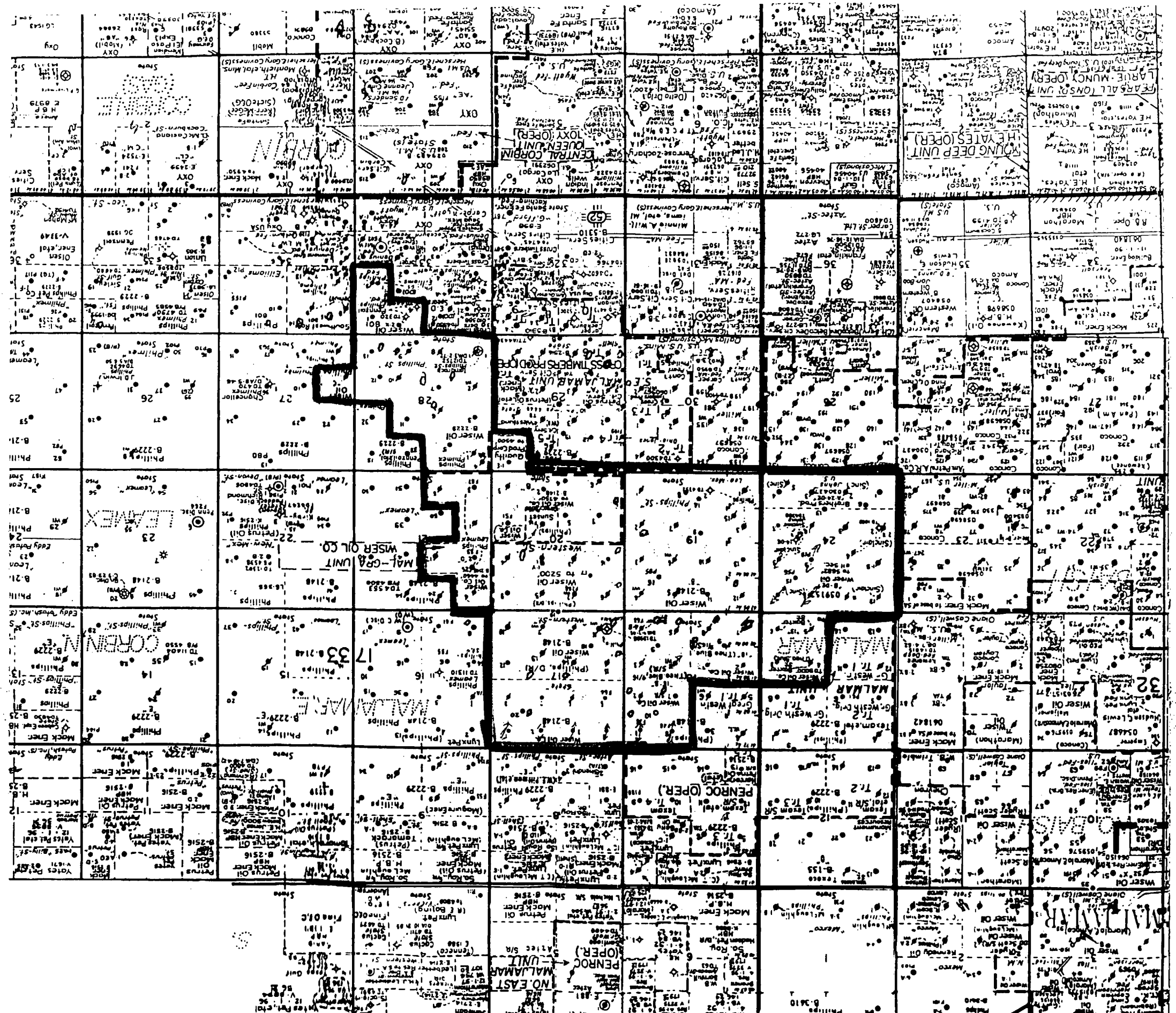
34



MALJAMAR
PENROC (OPER.)
NO. EAST MALJAMAR UNIT
PENROC (OPER.)
MAL-GRA UNIT
WISER OIL CO.
MALJAMAR
CROSS TIMBERS PROD (OPER.)
S.E. MALJAMAR UNIT
CENTRAL CORBIN QUEEN UNIT
OXY (OPER.)
YOUNG DEEP UNIT
H.E. YATES (OPER.)
CORBIN
LEAMEX
CORBIN

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VI. HALF MILE WELLS

The following is a table showing data for all wells which penetrate the proposed injection zone and which lie within the area of review.

Immediately following the table are schematics for the 42 wells within the area of review which have been plugged and abandoned as noted on the table.

WELLS WITHIN ½ MILE OF INJECTION WELLS

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Township 17 South, Range 32 East																
Section 13																
Malmar Unit #11	Penroc Oil Corp.	1980' FSL, 1980' FWL, Unit K	13	17S	32E	8-22-59	O	4410'	12 ¼" 7 7/8"	8 5/8" 5 ½"	308' 4389'	250 350	4018-21'; 4049-51'; 4075-80'; 4085-87'; 4090-94' 4104-4126'; 4140-48'; 4169-78'; 4282-4318' 4348-60'		Estimated TOC 3300'	State B-2229
Malmar Unit #12	Penroc Oil Corp.	1980' FSL, 660' FWL, Unit L	13	17S	32E	12-8-59	~~O~~ WIW	4370'	12 ¼" 7 7/8"	8 5/8" 5 ½"	304' 4364'	250 300	4016-23' 4084-92' 4101-30' 4144-58' 4162-67' 4174-77' 4182-4286'	2" @ 3977'	Estimated TOC 3004' Converted to WIW 1-28-70 Injecting into 4016-86' TA 11-22-82	State B-2229
Malmar Unit #13	Penroc Oil Corp.	660' FSL, 660' FWL, Unit M	13	17S	32E	12-4-59	O	4371'	12 ¼" 7 7/8"	8 5/8" 5 ½"	301' 4361'	250 300	4063-65' 4095-4102' 4107-13' 4124-27' 4130-33' 4162-65' 4167-70' 4176-81'		Estimated TOC 2829'	State B-2229
Malmar Unit #14	Penroc Oil Corp.	660' FSL, 1980' FWL, Unit N	13	17S	32E	8-17-59	O	5025'	12 ¼" 7 7/8"	8 5/8" 5 ½"	343' 5023'	250 400	3989-96' 4051-55' 4088-90' 4094-4105' 4112-15' 4129-40' 4161-65' 4318-30'	~~2" @ 3922'~~ 2 3/8" @ 4012'	Estimated TOC 2944' Converted to WIW 1-23-67 Converted to Producer 9-22-82	State B-2229
CMU #23	The Wiser Oil Co.	660' FSL, 1980' FEL, Unit O	13	17S	32E	5-13-59	P&A	4352'	12 ¼" 7 7/8"	8 5/8" 5 ½"	202.5' 4349'	150 150	4323-34'; 4132-58' 4074-4111' 4045-53'	Packer @ 4045'	P&A 9-21-79 (See attached) Pending Re-Entry to Convert to WIW	State B-2148
CMU #159	The Wiser Oil Co.	47' FSL, 1358' FEL, Unit O	13	17S	32E	1-27-96	O	4850'	12 ¼" 7 7/8"	8 5/8" 5 ½"	514' 4850'	300 1750	3960-4185' 4248-4345' 4345-39' 4509-61'	2 7/8" @ 4412'		State B-2148
Section 14																
Miller BX Deep Fed #1	Kewanee Oil Co.	410' FSL, 660' FEL, Unit P	14	17S	32E	7-4-62	P&A	14,015'		13 3/8" 9 5/8"	301' 4960'	425 3623			P&A 7-4-62 (See attached)	BLM LC-061842
Miller BX #1	Mack Energy Corp.	660' FSL, 660' FEL, Unit P	14	17S	32E	6-30-60	P&A	4416'	11" 7 7/8"	8 5/8" 5 ½"	211' 4416'	140 1200	4012-4364'	2 3/8" cmnt lined @ 3960'	P&A 5-3-95 (See attached)	BLM LC-061842

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 23																
Miller "B" #1	Mack Energy Corp.	660' FNL, 660' FEL, Unit A	23	17S	32E	6-10-60	O	4400'	12 ½" 7 7/8"	8 5/8" 5 ½"	219' 4422'	100 1250	4083-91' 4110-29' 4145-65' 4181-4231'	2 3/8' @ 4100'		BLM LC 058698 (b)
Miller "B" #3	Mack Energy Corp.	990' FNL, 1295' FEL, Unit A	23	17S	32E	11-15-91	O	4405'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1148' 4390'	750 1700	3960-87' 4000-82' 4165-85' 4261-89'	2 7/8" @ 4213'		BLM LC 058698 (b)
Milller "B" #2	Mack Energy Corp.	660' FNL, 980' FEL, Unit B	23	17S	32E	8-5-69	O	4340'	11" 6 ¾"	7 5/8" 4 ½"	982' 4340'	450 300	4053-92' 4100-97' 4232-42'	2 3/8" @ 3854'	Estimated TOC 2800'	BLM LC 058698 (b)
MCA Unit #33	Conoco Inc.	1980' FNL, 1965' FEL, Unit G	23	17S	32E	8-25-44	O P&A								P&A (See Attached)	BLM
Miller "B" #5 Fed	Barney Cockburn	1980' FNL, 660' FEL, Unit H	23	17S	32E	4-26-43	O P&A	4235'	11 ¾" 8 ¼"	7" 5 ½"	560' 1025'	S&P 100		2" @ 4000'	P&A 5-21-56 (See Attached)	BLM LC 058698 (b)
MCA Unit #247	Conoco Inc.	1980' FNL, 560' FEL, Unit H	23	17S	32E	8-19-68	O WIW	4316'	12 ¼" 6 ¾"	7 5/8" 4 ½"	1035' 4310'	775 275	4055-74' 4135-62' 4212-30'	2 3/8" @ 4095'	Estimated TOC 2547' Converted to WIW 4-22-69	BLM LC 058698 (b)
MCA Unit #79	Conoco Inc.	1980' FSL, 660' FEL, Unit I	23	17S	32E	12-31-41	O	4085'		9" 5 ½"	30' 3712'	25 800		2" @ 3100'		BLM LC 058698 (b)
MCA Unit #78	Conoco Inc.	1980' FSL, 1980' FEL, Unit J	23	17S	32E	2-17-69	O						4142-4210'		The file on this well could not be found @ OCD	BLM
MCA Unit #375	Conoco Inc.	1335' FSL, 1470' FEL, Unit J	23	17S	32E	11-12-87	O	4350'	17 ½" 12 ¼" 7 7/8"	13 3/8" 8 5/8" 5 ½"	645' 2190' 4350'	500 780 1375	3829-82' 3917-65' 4024-66' 4118-89' 4202-34'	2 7/8" @ 4222'		BLM LC 058698 (A)
MCA Unit #81	Conoco Inc.	660' FSL, 1980' FEL, Unit O	23	17S	32E	12-31-43	O	4253'		10 3/4" 8 5/8" 7"	740' 1173' 3800'	5 50 225		2" @ 3977'		BLM LC 058697 (a)
MCA Unit #367	Conoco Inc.	75' FSL, 1495' FEL, Unit O	23	17S	32E	5-28-87	O	4353'	17 ½" 11" 7 7/8"	13 3/8" 8 5/8" 5 ½"	397' 2353' 4353'	350 1190 455	4124-4206' 4004-75' 3971-94'	2 7/8" @ 3938'	Estimated TOC 2029'	BLM LC 058697 (a)
MCA Unit #80	Conoco Inc.	660' FSL, 660' FEL, Unit P	23	17S	32E	3-15-42	O WIW	4295'		10 ¾" 8" 7"	690' 1060' 3703'	S&P 100 250	San Andres Open Hole	2" @ 3100'	Converted to WIW 2-17-69. Currently TA	BLM LC 058697 (a)
Section 24																
CMU #173 fka Johns B DE #15	The Wiser Oil Co.	1305' FNL, 1336' FEL, Unit B	24	17S	32E	10-30-93	O	5938'	12 ½" 7 7/8"	8 5/8" 5 ½"	1142' 5938'	575 2225	5727-5797' 5522-5565' 5833-5855' 5156-5378' 4473-4568' 4330-4345' 4114-4134'	2 7/8" @ 4344'		BLM LC 059152 (b)
CMU #171	The Wiser Oil Co.	1116' FNL, 1444' FWL, Unit C	24	17S	32E	Pending APD	O									BLM LC-059152-B

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 24 Continued																
CMU #172	The Wiser Oil Co.	1484' FNL, 2475' FWL, Unit F	24	17S	32E	Drilling	O	4700'	12 ¼" 7 7/8"	8 5/8" 5 ½"	456' 4700'	300 250			Estimated TOC 3423'	BLM LC-059152-B
CMU #187	The Wiser Oil Co.	2467' FNL, 2501' FWL, Unit F	24	17S	32E	Drilling	O	4700'	12 ¼" 7 7/8"	8 5/8" 5 ½"	450' 4700'	325 250			Estimated TOC 3423'	BLM LC-059152-B
CMU #48	The Wiser Oil Co.	1980' FNL, 1980' FEL, Unit G	24	17S	32E	1-1-59	~~O~~ WIW	4393'	13 ¾" 7 7/8"	10 ¾" 5 ½"	174' 4392'	175 400	3438-50' 3440-50' 4176-86' 4192-4200' 4018' 4048-52' 4108-10' 4131-34' 4255-76' 4261-71' 3986-80'	2.375" Tubing & Paker @ 3936'	Estimated TOC 2410' Converted to WIW 12-20-94	BLM LC-059152-B
CMU #49 fka John B DE #5	The Wiser Oil Co.	1980' FNL, 660' FEL, Unit H	24	17S	32E	9-14-58	~~O~~ WIW	4362'	12 ½" 7 7/8"	9 5/8" 5 ½"	170' 4361'	150 350	4190-4209'		Estimated TOC 2520' Converted into WIW 3-25-66	BLM LC 059152 (b)
Johns B DE #14	Arco Oil & Gas Co.	2630' FSL, 1310' FEL, Unit I	24	17S	32E	9-13-82	~~O~~ P&A	4380'	23" 12 ¼" 7 7/8"	16" 8 5/8" 4 ½"	30' 448'; 4375'	4yrd 300 1100	4163-85' 3898-3900' 3442-60'	2 3/8" @ 4204'	P&A 12-28-83 (See attached)	BLM LC-059152 (b)
CMU #188	The Wiser Oil Co.	2610' FSL, 1290' FEL, Unit I	24	17S	32E	Pending APD	O									BLM
CMU #203	The Wiser Oil Co.	1332' FSL, 1310' FEL, Unit I	24	17S	32E	Pending APD	O									BLM
CMU #62 fka Johns B DE #10	The Wiser Oil Co.	1980' FSL, 1980' FEL, Unit J	24	17S	32E	2-1-59	~~O~~ WIW	4391'	15" 7 7/8"	10 ¾" 5 ½"	176' 4390'	175 400	4150-60' 4164-70'	2 3/8" @ 4144'	Estimated TOC 2530' Converted to WIW 3-6-66.	BLM LC 059152 (b)
CMU #202 fka Johns B DE #13	The Wiser Oil Co.	1360' FSL, 2465' FEL, Unit J	24	17S	32E	3-23-80	O	4300'	11" 7 7/8"	8 5/8" 4 ½"	409' 4300'	175 2073	4167-91' 4267-75'	2 3/8" @ 4021'	Estimated TOC 1635'	BLM LC 059152 (b)
CMU #186	The Wiser Oil Co.	2568' FSL, 1094' FWL, Unit L	24	17S	32E	Drilling	O	4800'	12 ¼" 7 7/8"	8 5/8" 5 ½"	454' 4800'	325 250			Estimated TOC 3523'	BLM LC-059152-B
CMU #201 fka Johns A 24 DE #6	The Wiser Oil Co.	1200' FSL, 1250' FWL, Unit M	24	17S	32E	9-10-74	O	4300'	12 ¼" 7 7/8"	8 5/8" 5 ½"	398' 4300'	325 500	4153-81' 4240-50'	2 3/8" @ 4195'	Estimated TOC 2040'	BLM LC 030437 (a)
CMU #74	The Wiser Oil Co.	660' FSL, 1980' FWL, Unit N	24	17S	32E	1-21-42	~~O~~ WIW	4318'	12 ½" 9 ½" 7 ¼"	10 ¾" 8 5/8" 7"	662' 1091' 3791'	None 100 100		2" @ 4300'	Estimated TOC 2324' Converted to WIW	BLM LC 030437A
CMU #75 fka Johns A-24 DE #3	The Wiser Oil Co.	660' FSL, 1980' FEL, Unit O	24	17S	32E	2-25-43	P&A	4300'	13 ¼" 8 ¾"	10 ¾" 7"	119' 3852'	70 350	3935-80' 4135-55' 4190-4295'	2" @ 3800'	P&A 5-10-78 (See Attached)	BLM LC-030437 (a)
Ruth Day Johns A-24 #4	Drilling & Exploration Co.	660' FSL, 660' FEL, Unit P	24	17S	32E	5-26-43	~~O~~ P&A	4350'	14" 8 ¾"	10 ¾" 7"	137' 3861'	70 350	4245-70' 4290-4350' 3575' 3440-3482'	2" @4262'	P&A 11-12-58 (See attached)	BLM LC 030437 (a)

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 24 Continued																
CMU #35	The Wiser Oil Co.	660' FNL, 1980' FEL, Unit B	24	17S	32E	12-2-58	~~O~~ WIW	4360'	15" 7 7/8"	10 ¾" 5 ½"	176' 4359'	175 400	4150-58' 4168-74' 4176-80' 4232-42' New WIW: 3979-4320'	2 3/8" plastic coated @ 4125' New WIW: 2 3/8" plastic coated Pkr @ 3907'	Estimated TOC 2627' Converted to WIW 3-27-66 in Grayburg Fm. P&A 12-13-78 Re-entered 2-14-94 & completed as WIW 3-9-94	BLM LC-059152-B
CMU #36	The Wiser Oil Co.	660' FNL, 660' FEL, Unit A	24	17S	32E	3-1-94	~~O~~ WIW	4377'	15" 7 7/8"	10 ¾" 5 ½"	175' 4378'	175 400	4015-4327'	2 3/8" plastic coated Pkr @ 3945'	Estimated TOC 2335' Converted to WIW	BLM LC-059152-B
Section 25																
MCA Unit Bty 4 #132	Conoco Inc.	660' FNL, 660' FEL, Unit A	25	17S	32E	12-4-42	~~O~~ P&A	4232'		8 5/8" 5 ½"	26' 3440'	12 200			P&A 10-7-88. (See attached)	LC 058697 (b)
MCA Unit #131	Conoco Inc.	660' FNL, 1980' FEL, Unit B	25	17S	32E	9-20-42	~~O~~ WIW	4202'		8" 5 ½"	30' 3900'	15 400		2" @ 3282'	Converted to WIW 3-8-68	LC 058698 (b)
MCA Unit #127	Conoco Inc.	660' FNL, 660' FWL, Unit D	25	17S	32E	5-12-42	~~O~~ WIW	4209'		8 ¼" 5 ½"	30' 3804'	25 100		2" @ 3300'	Converted to WIW 2-16-68	LC 058697 (b)
MCA Unit #313	Conoco Inc.	450' FNL, 1980' FWL, Unit C	25	17S	32E	7-27-72	O&G	4350'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1100' 4350'	550 300	4037' 4117-23' 4204-99' 4308'	2 7/8" @ 4092'	Estimated TOC 2818'	BLM LC 058697 (b)
MCA Unit Bty 4 #129	Conoco Inc.	660' FNL, 1980' FWL, Unit C	25	17S	32E	4-29-42	~~O~~ P&A	4210'		8 5/8" 5 ½"	28' 3950'	16 150			P&A 3-6-90 (See attached)	BLM LC 058697 (b)
MCA Unit #140	Conoco Inc.	1980' FNL, 660 FWL, Unit E	25	17S	32E	7-18-42	O&G	4190'		8 5/8" 5 ½"	31' 3900'	14 400		2" @ 3321'		BLM LC 058698 (b)
MCA Unit #334	Conoco Inc.	1245' FNL, 25' FWL, Unit E	25	17S	32E	2-24-73	O&G	4325'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1054' 4325'	525 425	4017-87' 4110-90' 4201-59'	2 7/8" @ 4262"	Estimated TOC 2400'	BLM LC 058697 (b)
MCA Unit #128	Conoco Inc.	1345' FNL, 1345' FWL, Unit F	25	17S	32E	4-3-70	~~G~~ O	4191'		8 5/8" 7"	1250' 3924'	100 200		2 3/8" @ 4139'	Converted from Gas Injection Input Well to producing oil well 5-1-63.	BLM LC 058697 (b)
MCA Unit #130	Conoco Inc.	1345' FNL, 2615' FEL, Unit G	25	17S	32E	8-1-54	O&G	4200'		8 5/8" 7"	1238' 3890'	100 200	3400-3413' 3418-3426' 3433-3438'	2" @ 4196'		BLM LC 058697 (b)
MCA Unit #138	Conoco Inc.	1980' FNL, 1980' FEL, Unit G	25	17S	32E	10-25-42	O&G	4200'		8" 5 ½"	38' 3900'	40 200		2" @ 3241'	Well was recompleted 2-27-91.	BLM LC 058697 (b)
MCA Unit #137	Conoco Inc.	1980' FNL, 660' FEL, Unit H	25	17S	32E	1-6-43	~~O&G~~ WIW	4200'		8" 5 ½"	27' 3900'	9 400		@ 3831'	Converted to WIW 2-13-68	BLM LC 058697 (b)

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 25 Continued																
MCA Unit #352	Conoco Inc.	1345' FNL, 25' FEL, Unit H	25	17S	32E	1-12-74	O&G	4400'	12 ¼" 7 ½"	8 5/8" 5 ½"	1026' 4400'	525 475	4124-67' 4231-4300'	2 7/8" @ 3817'	Estimated TOC 1700'	BLM LC 058697 (b)
MCA Unit #344	Conoco Inc.	1345' FNL, 1345' FEL, Unit G	25	17S	32E	9-10-73	O&G	4404'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1049' 4404'	500 380	4305-22' 4261-72' 4130-73'	2 7/8" @ 4260'	Estimated TOC 2463'	BLM LC 058697 (b)
Section 26																
MCA Unit #126	Conoco Inc.	660' FNL, 660' FEL, Unit A	26	17S	32E	1-21-42	O&G	4236'	12 ½" 9 ½" 7 ¾"	10 ¾" 8 5/8" 7"	644' 1050' 3797'	100 100		2 3/8" @ 3982'	Estimated TOC 2330'	LC 058407 A
Township 17 South, Range 33 East																
Section 7																
Malmar Unit Tr. 4 #16	Penroc Oil Corp.	660' FSL, 660' FEL, Unit P	7	17S	33E	11-24-57	~~O~~ WIW	4475'	12 ½" 7 7/8"	8 5/8" 5 ½"	306.7' 4473'	200 1535	4210-16' 4284-94' 4330-40' 4418-21' 4428-31'	2" @ 4440'	Converted to WIW 7-24-63	State B-2229
Section 16																
Phillips State #5	Shahara Oil Corp.	1980' FSL, 660' FWL, Unit L	16	17S	33E	1-23-58	O&G	4460'		8 5/8" 5 ½"	370' 4460'	200 200	4178-84' 4218-30' 4252-56' 4360-80'			State B-2148
Phillips State #8	Shahara Oil Corp.	660' FSL, 660' FWL, Unit M	16	17S	33E		O&G		10 ¾" 8 ¾"	9 5/8" 5 ½"	1200' Total depth	Top to bottom 100			File was incomplete	State B-2148
Learnex #57	Phillips Petr. Co. 4001 Penbrook Street. Odessa TX 79762	460' FSL, 905' FWL, Unit M	16	17S	33E		O		17 ½" 12 ¼" 7 7/8"	13 3/8" 8 5/8" 5 ½"	400' 4650' 15,200	420 1300 1350			Well still testing different formations	State B-2148
Phillips State #7	Shahara Oil Corp.	660' FSL, 1980' FWL, Unit N	16	17S	33E	6-21-58	O&G	4500'	10 ¾" 7 7/8"	8 5/8" 5 ½"	318' 4495'	225 180	4457-4362' 4316-4304' 4394-4388' 4408-4398' 4424-4418' 4457-4444'	@ 4291'	Estimated TOC 3576'	State B-2148
Section 17																
CMU #3	The Wiser Oil Co.	660' FNL, 660' FWL, Unit D	17	17S	33E	11-13-57	~~O~~ WIW	4413'	121/4 " 7 5/8"	8 5/8" 5 ½"	322' 4411'	250 150	4184-94' 4218-28' 4267-77' 4296-4310' 4320-62'	2" @ 4175'	Estimated TOC 3538' Converted to WIW 7-18-95	State B-2148
CMU #9	The Wiser Oil Co.	1980' FNL, 660' FWL, Unit E	17	17S	33E	1-21-58	~~O~~ WIW	4473'	12 ¼" 7 5/8"	8 5/8" 5 ½"	321' 4472'	250 150	4184-94' 4211-26' 4266-86' 4290-4310' 4320-58'	2" @ 4191. 67'	Estimated TOC 3599' Converted to WIW 7-18-95	State B-2148

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 17 Continued																
CMU #10	The Wiser Oil Co.	1908' FNL, 1980' FWL, Unit F	17	17S	33E	11-14-57	~~O~~ WIW	4438'	12 ¼" 7 5/8"	8 5/8" 5 ½"	310' 4427. 5'	250 150	4209-21' 4249-54' 4288-4300' 4304-27' 4334-56' 4365-95'	2" @ 4191. 67'	Estimated TOC 3555' Converted to WIW 6-2-64	State B-2148
CMU #130	The Wiser Oil Co.	1335' FNL, 1335' FWL, Unit F	17	17S	33E	12-14-94	O	5550'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1290' 5550'	600 1550	4199-4391' 4447-4596' 4664-4740' 5211-5484'	2 7/8" @ 5360'		State B-2148
CMU #141	The Wiser Oil Co.	2620' FSL, 1340' FWL, Unit K	17	17S	33E	3-20-95	O	5550'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1325' 5550'	600 1550	4213-4389' 4471-4591' 5145-5251'	2 7/8" @ 4467'		State B-2148
CMU #19	The Wiser Oil Co.	1980' FSL, 660' FWL, Unit L	17	17S	33E	3-2-57	~~O~~ WIW	4472'	13 3/4" 7 7/8"	9 5/8" 5 ½"	279' 4470'	240 2500	4203-18' 4238-50' 4326-48' 4364-96'		Estimated TOC 725' Converted to WIW approx. 8-2-62	State B-2148
CMU #151	The Wiser Oil Co.	1340' FSL, 40' FWL, Unit L	17	17S	33E	11-03-95	O	4950'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1320' 4800'	600 1550	4735-4755' 4198-4547'	2 7/8" @ 4780'		State B-2148
CMU #164	The Wiser Oil Co.	269' FSL, 23' FWL, Unit M	17	17S	33E	5-18-95	O	5550'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1320' 5550'	600 1490	4227-4792' 4491-4569' 4184-4389'	2" @ 4815'		State B-2148
CMU #32 fka Western State #10	The Wiser Oil Co.	660' FSL, 660' FEL, Unit P	17	17S	33E	1956	WIW	4610'		9 5/8" 5 ½"	274' 4495'	200 2000	4216-31' 4264-70' 4316-22' 4329-35' 4342-46' 4352-56' 4372-79' 4392-4400' 4404-26'		TOC 1060' by Temperature Survey	State B-2148
CMU #167	The Wiser Oil Co.	20' FSL, 1385' FEL, Unit O	17	17S	33E	10-26-94	O	5550' PBTD 5491'		8 5/8" 5 ½"	1320' 5550'	600 1890	4203-4759'			State B-2148
Section 18																
CMU #2	The Wiser Oil Co.	660' FNL, 660' FEL, Unit A	18	17S	33E	2-9-58	O	4386'	12 ¼" 7 7/8"	8 5/8" 5 ½"	336' 4374'	250 330	4046-78' 4154-66' 4238-42' 4260-66' 4271-76' 4288-96' 4312-19' 4319-52' 4402-16' 4512-22'	2" @ 4172' 7-4-65 4" liner set from 4338' -4606' with 15 sx. Cmt.	Estimated TOC 2688' 7-4-65 Deepened well to 4607' 7-24-95 OCD approved sundry notice of intent to convert well to WIW—work has apparently not yet been done	State B-2148

Section 18 Continued

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
CMU #1	The Wiser Oil Co.	660' FNL, 1980' FEL, Unit B	18	17S	33E	11-4-58	~~O~~ WIW	4544'	12 ¼" 7 7/8"	8 5/8" 5 ½"	329' 4544'	150 150	4148-60' 4180-90' 4238-48' 4254-68' 4280-85' 4299-4320' 4508-22'	plastic coated @ 4173'	TOC 2970' by Temp Survey Converted to WIW 9-1-62 into Grayburg-San Andres	State B-2148
Malmar Unit Tr. 1 #6	Penroc Oil Corp. P.O. Box 5970 Hobbs NM 88241	1980' FNL, 1980' FWL, Unit F	18	17S	33E	10-4-59	~~O~~ WIW	4571'	12 ¼" 7 7/8"	8 5/8" 5 ½"	281' 4552'	250 300	4211'-14' 4242'-44' 4264'-68' 4273'-82' 4289-4301' 4303-4379' 4438'-55'	~~2" @ 4345'~~	Estimated TOC 3020' Converted to WIW 7-30-62	State (B-2148) B-2229
CMU #7	The Wiser Oil Co.	1980' FNL, 2080' FEL, Unit G	18	17S	33E	11-22-58	O	4582'	12 ¼" 7 7/8"	8 5/8" 5 ½"	287' 4572'	150 150	4216-26' 4268-80' 4294-4320' 4334-48' 4366-76' 4436-46' Squeezed 4214-26' 4268-80' 4294-4302' 4304-20' 4334-43' 4366-76' 4436-46'	~~2" @ 4143'~~ 2" @ 4244'	TOC 2830' by Temp Survey Sundry intent to convert to WIW approved 7-24-95	State B-2148
CMU #139	The Wiser Oil Co.	2603' FNL, 1358' FEL, Unit G	18	17S	33E	1-14-96	O	4950'	12 ¼" 7 7/8"	8 5/8" 5 ½"	470' 4950'	300 1650	4564-4781' 4424-46' 4414-46' 4180-4268'	2 7/8" @ 4603'		State B-2148
State 18-B #2	Murphy H. Baxter	1980' FNL, 660' FEL, Unit H	18	17S	33E	8-6-58	P&A	4593'	12 ¼" 7 5/8"	8 5/8" 5 ½"	293' 4593'	200 270	4218-31' 4270-79' 4300-18' 4344-68' 4441-60' 4534-50'	2 3/8" plastic @ 4166'	P&A 4-17-89 (See attached)	State B-2148
CMU #128	The Wiser Oil Co.	1365' FNL, 1260' FEL, Unit H	18	17S	33E	12-13-95	O	4925'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1320' 4925'	550 1350	4445-4534' 4187-4353'	2 7/8" @ 4528'		State B-2148
CMU #129	The Wiser Oil Co.	1340' FNL, 59' FEL, Unit H	18	17S	33E		O	4950'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1302' 4950'	550 1650		2 7/8" @ 4602'		State B-2148
CMU #140	The Wiser Oil Co.	2618' FNL, 88' FEL, Unit H	18	17S	33E		O	4950'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1320' 4950'	500 1400		2 7/8" @ 4604'		State B-2148
CMU #18	The Wiser Oil Co.	1980' FSL, 660' FEL, Unit I	18	17S	33E	7-19-58	O	4605'	12 ¼" 7 5/8"	9 5/8" 5 ½"	327' 4606'	200 220	4222-4560'		Estimated TOC 3326' Sundry Notice of intent to convert to WIW approved 7-24-95	State B-2148

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 18 Continued																
CMU #17	The Wiser Oil Co.	1980' FSL, 1980' FEL, Unit J	18	17S	33E	12-11-58	~~O~~ WIW	4573'	12 ¼" 7 7/8"	9 5/8" 5 ½"	316' 4573'	150 150	4197-4207' 4265-87' 4305-11' 4332-42' 4447-55' 4530-40'	2 3/8" plastic coated tbg @ 4027'	TOC 2917' by Temp. Survey Converted to WIW 8-27-62	State B-2148
CMU #16	The Wiser Oil Co.	1980' FSL, 2047' FWL, Unit K	18	17S	33E	3-23-59	O	4561'	12 ¼" 7 7/8"	8 5/8" 5 ½"	318' 4559'	150 150	4203-13' 4253-61' 4282-98' 4318-57' 4420-46'		TOC 2900' by Temp Survey Sundry Notice to convert to WIW filed 7-20-95	State B-2148
CMU #149	The Wiser Oil Co.	1339' FSL, 2685' FWL, Unit K	18	17S	33E	2-29-96	O	4950'	12 ¼" 7 7/8"	8 5/8" 5 ½"	500' 4950'	300 1850	4683-4738' 4203'-4371'	2 7/8" @ 4393'		State B-2148
CMU #25	The Wiser Oil Co.	660' FSL, 694' FWL, Unit M	18	17S	33E	10-15-58	~~O~~ ~~P&A~~ WIW	4515'	12 ¼" 7 7/8"	9 5/8" 5 ½"	331' 4515'	125 150	4092-4106' 4158-80' 4194-4216' 4258-66' 4343-75' 4420-30'	2 3/8" @ 4119'	TOC 2780' by Temp Survey Re-Entry for WIW now drilling	State B-2148
CMU 26	The Wiser Oil Co.	660' FSL, 2047' FWL, Unit N	18	17S	33E	9-23-58	~~O~~ WIW	4525'	12 ¼" 7 7/8"	9 5/8" 5 ½"	323' 4521'	150 150	4126-40' 4186-96' 4218-54' 4266-76' 4290-4304' 4376-86' 4398-4414'	2 3/8" plastic coated tbg on AD-1 tension packer @ 4013'	Estimated TOC 3755' Converted to WIW 9-11-63 in Grayburg-San Andres	State B-2148
CMU #148	The Wiser Oil Co.	1295' FSL, 1411' FWL, Unit N	18	17S	33E	10-19-72	O	4498'	12 ¼" 7 7/8"	8 5/8" 5 ½"	367' 4410'	300 500	4197-4201' 4261-4305' 4327-61'	2 3/8" @ 4193'	Estimated TOC 2500'	State B-2148
CMU #161	The Wiser Oil Co.	50' FSL, 1369' FWL, Unit M	18	17S	33E		O		12 ¼" 7 7/8"	8 5/8" 5 ½"	1350' 5525'	650 650			Estimated TOC 2205' APD expired 4-14-96 unless drilling is underway.	State B-2148
State 18-B #5	Murphy H. Baxter	760' FSL, 1980' FEL, Unit O	18	17S	33E	8-27-58	P&A	4589'	12 ¼" 7 7/8"	9 5/8" 5 ½"	330' 4589'	200 270	4194-4204' 4250-60' 4279-4305' 4323-32' 4348-58' 4468-74' 4548-54'	2 3/8" @ 4190'	TOC 2830' by Temp Survey P&A 3-6-75 (See attached)	State B-2148
CMU #163	The Wiser Oil Co.	45' FSL, 1349' FEL, Unit O	18	17S	33E	6-20-95	O	5550'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1322' 5550'	600 2000	4137-4322' 4364-4542' 4720-53'	2 7/8" @ 4788'		State B-2148
CMU #150	The Wiser Oil Co.	1310' FSL, 1330' FEL, Unit O	18	17S	33E	1-28-73	O	4405'	12 ¼" 7 7/8"	8 5/8" 5 ½"	379' 4403'	300 500	4177-4298' 4309-17'	2 7/8" @ 4232'	Estimated TOC 2900'	State B-2148

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 18 Continued																
CMU #162	The Wiser Oil Co.	56' FSL, 2595' FEL, Unit O	18	17S	33E	6-2-95	O	5550'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1280' 5550'	600 2000	4076-4279' 4353-4443' 4610-64'	2 7/8" @ 4693'		State B-2148
CMU #28	The Wiser Oil Co.	660' FSL, 660' FEL, Unit P	18	17S	33E	6-16-58	~~O WIW P&A~~ WIW	4639'	12 ¼" 7 7/8"	8 5/8" 5 ½"	312' 4619'	250 260	4200-14' 4264-74' 4308-18' 4334-43' 4360-76' 4492-4500' 4572-85'	2 3/8" @ 4218' Packer @ 4166'	TOC 3105' by Temp Survey Re-entry for WIW now drilling	State B-2148
Section 19																
CMU #40 fka Phillips B State #40	The Wiser Oil Co.	660' FNL, 660' FEL, Unit A	19	17S	33E	5-3-58	O WIW	4586'	12 ¼" 7 7/8"	8 5/8" 5 ½"	350' 4500'	150 150	4166-74' 4203-09' 4294-16' 4487-03'	2" @ 4491'	Estimated TOC 3685'	State B-2148
CMU #39 fka Phillips B State #5	The Wiser Oil Co.	660' FNL, 1980' FEL, Unit B	19	17S	33E	6-15-88	O WIW	4458'	11" 7 7/8"	8 5/8" 5 ½"	350' 4500'	175 175	4080-90' 4118-30' 4172-80' 4204-32' 4378-08'	2" @ 4327'	Estimated TOC 3630' Convert into WIW 7-3-62, (See attached notice)	State B-2148
CMU #176 fka Phillips B State #17	The Wiser Oil Co.	1305' FNL, 2625' FEL, Unit B	19	17S	33E	12-15-94	O	5550'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1350' 5525'	650 650	4001-4188' 4496-4588' 4724-4760'	2 7/8" @ 4622'	Estimated TOC 2205'	State B-2149
CMU #177 fka Phillips B State #16	The Wiser Oil Co.	1305' FNL, 1335' FEL, Unit B	19	17S	33E	10-14-93	O	5535'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1281' 5530'	575 2055	5495-5500' 5350-5380' 5273-5313' 5183-5235' 4651-4703' 4412-4497' 4106-4320'	2 7/8" @ 5419'		State B-2149
CMU #38 fka Phillips B State #11	The Wiser Oil Co.	660' FNL, 2047' FWL, Unit C	19	17S	33E	7-1-58	O WIW	4390'	11" 7 7/8"	8 5/8" 5 ½"	350' 4500'	175 175	4018-36' 4058-74' 4156-60' 4178-84' 4192-97'	2" @ 4320'	Estimated TOC 3610' Converted into WIW 12-94	State B-2248
CMU #174	The Wiser Oil Co.	1300' FNL, 125' FWL, Unit D	19	17S	33E		O		12 ¼" 7 7/8"	8 5/8" 5 ½"	1350' 5525'	650 1000			Estimated TOC 417' Presently completing	State B-2148
CMU #175	The Wiser Oil Co.	1302' FNL, 1367' FWL, Unit D	19	17S	33E	11-16-95	O&G	4800'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1230' 4800'	600 2050	4447-4571' 4370-4387' 4289-4309' 4086-4216'	2 7/8" @ 4354'		State B-2148
CMU # 50 fka Phillips B State #13	The Wiser Oil Co.	1980' FNL, 694' FWL, Unit E	19	17S	33E	5-29-58	O WIW	4619'	11" 7 7/8"	8 5/8" 5 ½"	350 4500	175 150	3984-90' 4058-67' 4082-97' 4122-36' 4148-57'	2" @ 4142'	Estimated TOC 3455' Pending conversion to WIW	State B-2148

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 19 Continued																
CMU #51 fka Phillips B State #10	The Wiser Oil Co.	1980' FNL, 2048' FWL, Unit F	19	17S	33E	3-26-58	O WIW	4410'	11" 7 7/8"	8 5/8" 5 ½"	335' 4408'	175 100 + 450 Gal Ceal - Ment	4020-30' 4056-62' 4082-08' 4290-12' 4366-71'	2" @ 4349'	Estimated TOC 3625' Converted to WIW 3-9-63	State B-2148
CMU 52 fka Phillips B State #52	The Wiser Oil Co.	1980' FNL, 1980' FEL, Unit G	19	17S	33E	2-26-58	O WIW	4410'	11" 7 7/8"	8 5/8" 5 ½"	350' 4500'	175 100 + 450 Gal Ceal - ment	4098-04' 4134-40' 4157-66' 4169-81' 4322-50' 4198-10' 4219-24' 4228-31' 4233-38'	2"	Estimated TOC 3625' Pending conversion to WIW	State B-2148
CMU #191	The Wiser Oil Co.	2474' FNL, 2472' FEL, Unit G	19	17S	32E		O	4775'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1350' 5525'	650 1000			TOC 2160' by CBL Drilling	State B-2148
CMU # 192 fka Phillips B State #18	The Wiser Oil Co.	2625' FNL, 1335' FEL, Unit G	19	17S	33E	11-30-94	O	5525'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1275' 5525'	600 1900	4027-4262' 4353-4431' 4497-4596' 4592-4621' 5199-5464'	2 7/8" @ 5396'		State B-2149
CMU #53 fka Phillips B State #3	The Wiser Oil Co.	1980' FNL, 660 FEL, Unit H	19	17S	33E	1-18-58	O WIW	4421'	12 ¼" 7 7/8"	8 5/8" 5 ½"	350' 4500'	150 150	4080-92' 4113-28' 4144-54' 4168-73' 4180-90' 4247-52'	2" @ 4241'	Estimated TOC 3625' Converted into WIW	State B-2148
Phillips B State #2	Pennzoil Exploration and Production Co.	1980' FSL, 660' FEL, Unit I	19	17S	33E	1-16-58	O P&A	4416'	12 ¼" 7 7/8"	8 5/8" 5 ½"	350' 4500'	150 150	4324'-48' 4020'-32' 4084'-94' 4234'-60'	2" @ 4318'	Estimated TOC 3615' P&A 11-22-91	State B-2148
CMU #67	The Wiser Oil Co.	1945' FSL, 734' FEL, Unit I	19	17S	33E	12-8-94	O WIW	5550'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1237' 5550'	600 1700	4340'-46', 4417'-87', 4510'-91', 4605'-07' 4024'- 89' 4122'-97' 4211'-51'	2 7/8" @ 4637'	Pending conversion to WIW	State B-2149
CMU #66 fka Phillips B State #7	The Wiser Oil Co.	1980' FSL, 1980' FEL, Unit J	19	17S	33E	2-11-58	O WIW	4390'	11" 7 7/8"	8 5/8" 5 ½"	350 4500	175 150	4108-16' 4181-91' 4202-20" 4230-50'	2" @ 4335'	Estimated TOC 3570' Converted to WIW	State B-2148
CMU #190	The Wiser Oil Co.	2570' FSL, 1400' FWL, Unit K	19	17S	33E	Pending APD	O		12 ¼" 7 7/8"	8 5/8" 5 ½"	1350' 5525'	650 1000			Estimated TOC 417'	State B-2148
CMU #189	The Wiser Oil Co.	2526' FSL, 125' FWL, Unit L	19	17S	33W	Pending APD	O		12 ¼" 7 7/8"	8 5/8" 5 ½"	1350' 5525'	650 1000			Estimated TOC 417'	State B-2148

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 19 Continued																
Leamex #2	Phillips Petroleum Co.	660' FSL, 1980' FWL, Unit N	19	17S	33E	11-26-42	~~O~~ P&A	4352'	11" 7 7/8"	8 5/8" 5 ½"	1700' 4350'	700 500	4352'-4150'		Estimated TOC 4043' P&A 12-31-42 (See attached)	State B-2148
CMU # 78 fka Phillips State B #14	The Wiser Oil Co.	990' FSL, 2379' FWL, Unit N	19	17S	33E	7-18-58	O	4325'	11" 7 7/8"	8 5/8" 5 ½"	350' 4500'	175 175	3962-76' 4040-48' 4086-96' 4148-66' 4170-80' 4219-29' 4238-66'	2" @ 4224'	Estimated TOC 3600' TA 6-7-76, Possible conversion to WIW	State B-2148
Leamex #3	Phillips Petroleum Co.	1980' FSL, 660' FWL, Unit L	19	17S	33E	1-15-44	~~O~~ P&A	4330'	11" 7 7/8"	8 5/8" 5 ½"	1169' 3995'	600 250	4304'-08'	2" @ 4319'	Estimated TOC 2000' P&A 8-18-53 (See attached)	State B-2148f
CMU #207	The Wiser Oil Co.	1234' FSL, 1404' FEL, Unit O	19	17S	33E	Pending	O	4750'	12 ¼" 7 7/8"	8 5/8" 5 ½"	494' 4749'	300 250	4572-82' 4495-4529' 4333-53' 4059-4265'		Estimated TOC 3472'	State B-2148
CMU #80	The Wiser Oil Co.	660' FSL, 660' FEL, Unit P	19	17S	33E	1-31-58	WIW	4360'	12 ¼" 7 7/8"	8 5/8" 5 ½"	349' 4359'	175 100	4034-48' 4076-94' 4157-67' 4228-40'	2 3/8" coated tubing Elder AO-1 5 ½" x 2 3/8" Packer @ 3979'	Estimated TOC 3848' Converted to WIW 6-8-65	State B-2149
Section 20																
CMU #44	The Wiser Oil Co.	660' FNL, 660' FEL, Unit A	20	17S	33E	2-17-56	O&G	4500'	11 ¾" 8 ¾"	9 5/8" 5 ½"	283' 4500'	200 2500	4338-4238' 4329-4351' 4394-4430'		Pending conversion to WIW	State B-2148
CMU #43	The Wiser Oil Co.	660' FNL, 1980' FEL, Unit B	20	7S	33E	6-29-55	~~O~~ WIW	4500'	13 ¾" 8 ¾"	10 ¾" 7"	271' 4493'	300 1900	4215-20' 4324-30' 4335-42' 4364-76' 4384-90' 4398-4428'		Estimated TOC 1520' Converted to WIW 7-18-95.	State B-2148
CMU #193	The Wiser Oil Co.	2516' FNL, 62' FWL, Unit E	20	17S	33E	9-16-94	O&G	5580'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1335' 5580'	700 2035	4141'-88' 4303'-63',	2 7/8" @ 4666'		State B-2148
Phillips State #1	Western Oilfields Inc.	1980' FNL, 1980' FEL, Unit G	20	17S	33E	6-14-52	~~O~~ P&A	4765'	10 ¾" 6 ¾"	8 5/8" 5 ½"	1550' 4500'	50 150			P&A 7-25-52 (See Attached)	State B-2148
CMU #56	The Wiser Oil Co.	1880' FNL, 1980' FEL, Unit G	20	17S	33E	5-25-55	O&G	4450'	12 ¼" 8 ¾"	10 ¾" 7"	276' 4440'	230 500			Estimated TOC 1496' Pending conversion to WIW	State B-2148
CMU #195	The Wiser Oil Co.	2614' FNL, 2618' FEL, Unit G	20	17S	33E	5-17-95	O	5550'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1324' 5552'	675 1790	5421-5445' 5239-5337' 4328-4495' 4124-4326'	2 7/8" @ 4641'		State B-2148

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 20 Continued																
CMU #209	The Wiser Oil Co.	949' FSL, 1700' FWL, Unit N	20	17S	33E	1-26-96	O	4900'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1280' 4900'	550 2100	4639-51' 4454-95'	2 7/8" @ 4691'		State B-2148
CMU #57	The Wiser Oil Co.	1980' FNL, 660' FEL, Unit H	20	17S	33E	5-5-55	~~O~~ WIW	4488'	17" 8 ¼"	12 ¾" 7"	287' 4229'	300 500	4219-4585'	2 3/8" @ 3930'	Estimated TOC 1285' Converted to WIW 5-26-65. P&A 9-2-86. Re-entered 7-19-94.	State B-2148
CMU #181	The Wiser Oil Co.	1408' FNL, 1206' FEL, Unit H	20	17S	33E	11-23-94	O	5550'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1303' 5500'	600 1800	4182-4427' 4496-4562' 4708-4742' 5230-5308'	2 7/8" @ 5344'		State B-2148
CMU #196	The Wiser Oil Co.	2473' FNL, 1259' FEL, Unit H	20	17S	33E	6-14-95	O	5550'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1325' 5550'	750 1450	4711-4719' 4481-4555' 4196-4415'	2 7/8" @ 4750'		State B-2148
CMU #71	The Wiser Oil Co.	1980' FSL, 660' FEL, Unit I	20	17S	33E	1-30-55	~~O&G~~ WIW	4382'	11" 7 7/8"	8 5/8" 5 ½"	300' 4100'	200 100			Converted to WIW 7-24-95	State B-2148
CMU #211	The Wiser Oil Co.	1330' FSL, 1305' FEL, Unit I	20	17S	33E	3-22-96	O	4850'	12 ¼" 7 7/8"	8 5/8" 5 ½"	495' 4850'	300 1450	4527-35' 4442-55' 4460-65'	2 7/8" @ 4550'	Estimated TOC 3589'	State B-2148
CMU #70	The Wiser Oil Co.	1980' FSL, 1980' FEL, Unit J	20	17S	33E	6-2-54	~~O&G~~ WIW	4506'	11" 8 ¼"	8 5/8" 7"	1400' 4100'	100 150			Estimated TOC 2823' Converted to WIW 5-1-65.	State B-2148
CMU #69	The Wiser Oil Co.	1650' FSL, 2310' FWL, Unit K	20	17S	33E	2-11-56	~~O~~ WIW		11" 7 7/8"	8 5/8" 5 ½"	300' 4100'	225 200			Estimated TOC 3078' Converted to WIW 5-1-65.	State B-2148
CMU #194	The Wiser Oil Co.	2478' FSL, 1481' FWL, Unit K	20	17S	33E	4-26-95	O&G	5550'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1324' 5550'	700 1560	4672-4713' 4397-4497' 4122-4334'	2 7/8" @ 4755'		State B-2148
CMU #68	The Wiser Oil Co.	1650' FSL, 990' FWL, Unit L	20	17S	33E	9-17-56	O	4355'	11" 7 7/8"	8 5/8" 5 ½"	31' 4190'	225 250			Estimated TOC 2913'	State B-2148
CMU #208	The Wiser Oil Co.	1175' FSL, 175' FWL, Unit M	20	17S	33E	Pending	O	4850'	12 ¼" 7 7/8"	8 5/8" 5 ½"	493' 4850'	300 310	4369-4465' 4107-4324'		Estimated TOC 3266'	State B-2148
Mal Gra Unit B #6	Crown Central Petroleum Corp. 4000 N. Big Spring Suite 213 Midland 79705	990' FWL, 330' FSL, Unit M	20	17S	33E	5-19-56	~~O~~ P&A	4364'	11" 7 7/8"	8 5/8" 5 ½"	307' 4202'	225 200	None	½"	P&A 6-24-85 (See Attached)	State (B-2149) B-2229
CMU #81	The Wiser Oil Co.	330' FSL, 930' FWL, Unit M	20	17S	33E		O		12 ¼" 7 7/8"	8 5/8" 5 ½"	1350' 5525'	650 1000			Estimated TOC 417' Extension to drill expires 1-19-97	State B-2148
CMU #83	The Wiser Oil Co.	660' FSL, 1980' FEL, Unit O	20	17S	33E	5-3-55	O	4393'	11" 7 7/8"	8 5/8" 5 ½"	300' 4200'	300 200			Estimated TOC 3178'	State B-2148
CMU #210	The Wiser Oil Co.	1141' FSL, 2472' FEL, Unit O	20	17S	33E		O	4800'	12 ¼" 7 7/8"	8 5/8" 5 ½"	500' 5525'	350 1000			Estimated TOC 417' Completion in progress	State B-2148
Section 21																
Leamex #14	Phillips Petroleum Co.	660' FNL, 1980' FEL, Unit B	21	17S	33E	3-9-75 after re-entry	~~O&G~~ P&A	4553'	12 ¼" 7 7/8"	8 5/8" 5 ½"	360' 4553'	250 300	4282-4365'	2 3/8" @ 4438'	Estimated TOC 2570' P&A 11-22-92 (See attached)	State B-2148

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 21 Continued																
Leamex #24	Phillips Petroleum Co.	560' FNL, 1980' FWL, Unit C	21	17S	33E	1-14-80	O&G	11,000'	17 ½" 11" 7 7/8"	13 3/8" 8 5/8" 5 ½"	390' 4700'	850 1865 1550	10,560'-10,840'			State B-2148
CMU #182	The Wiser Oil Co.	1276' FNL, 48' FWL, Unit D	21	17S	33W		O	4850'	12 ¼" 7 7/8"	8 5/8" 5 ½"	600' 5500'	650 1200			Drilling	State B-2148
Leamex #25	Phillips Petroleum Co.	1650' FNL, 750' FWL, Unit E	21	17S	33E	8-30-80	~~O&G~~ P&A	11,500'	17 ¼" 11" 7 7/8"	13 3/8" 8 5/8" 5 ½"	376' 4702' 11499'	600 1900 900	10,880-10,885'		TOC 3420' by Temp Survey P&A 3-14-84 (See attached)	State B-2148
CMU #59	The Wiser Oil Co.	1980' FNL, 1980' FWL, Unit F	21	17S	33E	10-18-62	~~O&G~~ WIW	4488'	12 ¼" 7 7/8"	8 5/8" 4 ½"	349' 4486'	350 450	4306-4468'		Estimated TOC 2738' Converted to WIW 5-1-65	State B-2148
Leamex #49	Phillips Petroleum Co.	2130' FNL, 1980' FEL, Unit G	21	17S	33E	8-24-88	O	4700'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1483' 4700'	1000 1400	4200-4206' 4267-4269' 4302-4307' 4361-4364' 4420-4425' 4459-4470' 4465-4467' 4480-4507' 4564-4573' 4594-4596'	2 7/8" @ 4600'		State B-2148
Leamex #15	Phillips Petroleum Co.	1880' FSL, 1980' FEL, Unit J	21	17S	33E										Unused Location	State B-2148
Leamex #39	Phillips Petroleum Co.	1805' FSL, 1980' FEL, Unit J	21	17S	33E	2-12-87	O	4805'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1538' 4805'	1250 1600	4282-4286' 4456-4463' 4476-4480' 4532-4544'	2 3/8" @ 4555'		State B-2148
Leamex #50	Phillips Petroleum Co.	1650' FSL, 1980' FWL, Unit K	21	17S	33E	8-7-88	O	4700'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1476' 4800'	1000 1500	4066-4077' 4138-4141' 4283-4285' 4342-4347' 4353-4355' 4412-4419' 4440-4444' 4525-4538'	2 3/8" @ 4510'		State B-2148
CMU #212	The Wiser Oil Co.	1308' FSL, 10' FWL, Unit M	21	17S	33E		O		12 ¼" 7 7/8"	8 5/8" 5 ½"	500' 5525'	350 1000			Estimated TOC 417' Completing	State B-2148
CMU # 86	The Wiser Oil Co.	660' FSL, 1980' FWL, Unit N	21	17S	33E	12-22-56	~~O&G~~ WIW	4438'	11" 7 7/8"	8 5/8" 5 ½"	308' 4220'	225 250	None		Estimated TOC 2943' Converted to WIW 6-12-65	State B-2148
Leamex #51	Phillips Petroleum Co.	660' FSL, 1980' FEL, Unit O	21	17S	33E	8-9-88	O	4800'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1470' 4800'	1000 1800	4149-4454' 4556-4568'	2 7/8" @ 4531'		State B-2148
Section 28																
Philmex #15	Phillips Petroleum Co.	660' FNL, 660' FEL, Unit A	28	17S	33E	10-14-81	O	600'	11" 7 7/8"	8 5/8" 4 ½"	1490' 4889'	550 1900	4224-4698'	2 3/8" @ 4592'		State B-2229

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 28 Continued																
Philmex #33	Phillips Petroleum Co.	660' FNL, 1980' FEL, Unit B	28	17S	33E	7-29-88	O	4800'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1467' 4720'	1000 2000	4138-4196' 4288-4292' 4365-4367' 4405-4448' 4479-4501' 4511-4513' 4570-4580' 4548'	2 3/8" @ 4500'		State B-2229
Philmex #1	Phillips Petroleum Co.	660' FNL, 660' FWL, Unit D	28	17S	33E	4-1-42	~~O~~ P&A	4771'	11" 7 7/8"	8 5/8" 5 ½"	1404' 4547'	725 300		2" @ 4592'	P&A 8-20-80 (See attached)	State B-2229
CMU #90	The Wiser Oil Co.	1980' FNL, 660' FWL, Unit E	28	17S	33E	12-15-57	O	4527'	11" 7 7/8"	8 5/8" 5 ½"	1407' 4525'	500 225	4285-97' 4364-72' 4382-90' 4404-11' 4429-42' 4448-53'	2" @ 4467'	Estimated TOC 3915'	State B-2229
CMU #236	The Wiser Oil Co.	2460' FNL, 1308' FWL, Unit E	28	17S	33E		O		12 ¼" 7 7/8"	8 5/8" 5 ½"	350' 5500'	300 1350			APD expires 7-10-97.	State B-2229
CMU #91	The Wiser Oil Co.	2310' FNL, 1980' FWL, Unit F	28	17S	33E	1-7-58	~~O~~ WIW	4512'	12 ¼" 7 7/8"	8 5/8" 5 ½"	347' 4511'	175 500	4232-48' 4286-4303' 4368-78' 4408-16' 4433-48' 4454-68'	2" @ 4475'	Estimated TOC 3865' Converted to WIW 4-19-67.	State B-2229
Philmex #32	Phillips Petroleum Co.	1980' FNL, 660' FEL, Unit H	28	17S	33E	7-21-88	O	4800'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1489' 4800'	1000 1825	4524-4532' 4541-4546' 4561-4565' 4275-4280' 4333-4335' 4391-4397' 4426-4430' 4459-4463'	2 7/8" @ 4568'		State B-2229
CMU #96	The Wiser Oil Co.	1650' FSL, 990' FEL, Unit I	28	17S	33E	1-6-58	O	4500'	12 ¼" 7 7/8"	8 5/8" 5 ½"	351' 4499'	175 500	4222-32' 4266-74' 4278-84' 4346-54' 4360-72' 4386-92'	2" @ 4427'	Estimated TOC 3810'	State B-2229
CMU #95	The Wiser Oil Co.	1650' FSL, 1650' FEL, Unit J	28	17S	33E	12-27-57	~~O~~ WIW	4548'	12 ¼" 7 7/8"	8 5/8" 5 ½"	345' 4547'	175 300	4404-4428'	2" @ 4440'	Estimated TOC 3710' Converted to WIW 5-1-67.	State B-2229
CMU #243	The Wiser Oil Co.	1384' FSL, 2453' FEL, Unit J	28	17S	33E	2-29-96	O	4950'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1285' 4950'	550 1550	4750-55' 4666-95' 4615-54'	2 7/8" @ 4508'		State B-2148
CMU #242	The Wiser Oil Co.	1330' FSL, 1330' FWL, Unit K	28	17S	33E	4-4-96	O	4803'	12 ¼" 7 7/8"	8 5/8" 5 ½"	496' 4803'	300 1350	4523-76'	2 7/8" @ 4411'		State B-2148
CMU #97	The Wiser Oil Co.	1650' FSL, 330' FWL, Unit L	28	17S	33E	2-17-58	~~O~~ WIW	4610'	12 ¼" 7 ¾"	8 5/8" 5 ½"	351' 4427'	175 100		2" @ 4430'	Estimated TOC 3900' Converted to WIW 12-17-68	State B-2229

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 28 Continued																
Philmex #14	Phillips Oil Co. 4001 Penbrook St. Odessa, TX 79762	569' FSL, 507' FWL, Unit M	28	17S	33E	12-15-71	~~O~~ ~~WDW~~ P&A	6609'	12 ¼" 11" 7 7/8"	11 ¾" 8 5/8" 5 ½"	376' 4742' 6609'	480 750 1390	4830-5210'		P&A 4-17-95	State B-2229
CMU #98	The Wiser Oil Co.	660' FSL, 660' FWL, Unit M	28	17S	33E	11-10-57	O	4440'	12 ¼" 7 7/8"	8 5/8" 5 ½"	367' 4439'	250 500	4299-4315' 4323-4343' 4346-4362' New Perfs: 4128-40' 4168-86' 4234-38' 4266-70'	2" @ 4369'	Estimated TOC 1885' P&A 5-10-76. Re-entered 11-8-77.	State B-2229
CMU #99	The Wiser Oil Co.	660' FSL, 1980' FWL, Unit N	28	17S	33E	11-28-57	~~O~~ WIW	4450'	11" 7 7/8"	8 5/8" 5 ½"	357' 4449'	125 450	4281-84' 4316-25' 4324-33' 4338-56'	2" @ 4333'	Estimated TOC 4450' Converted to WIW 4-19-67.	State B-2229
CMU #244	The Wiser Oil Co.	682' FSL, 1475' FEL, Unit O	28	17S	33E		O		12 ¼" 7 7/8"	8 5/8" 5 ½"	1350' 5525'	650 650			Estimated TOC 2205' Completing	State B-2148
Phillips State #9	Zapata Petroleum Corp.	660' FSL, 1980' FEL, Unit O	28	17S	33E	12-23-57	~~O~~ P&A	4542'	11" 7 7/8"	8 5/8" 5 ½"	350' 4500'	150 250	4468-4480'	2" @ 4495'	P&A 1-20-59. (See attached)	State B-2148
CMU #101	The Wiser Oil Co.	660' FSL, 660' FEL, Unit P	28	17S	33E	12-22-57	~~O~~ WIW	4540'	11" 7 7/8"	8 5/8" 5 ½"	325' 4359'	150 450	4218-40' 4341-53' 4420-40'	2" @ 4375'	Estimated TOC 2059' Converted to WIW 5-1-67	State B-2229
CMU #250	The Wiser Oil Co.	105' FSL, 991' FEL, Unit P	28	17S	33E	4-13-96	O	4950'	12 ¼" 7 7/8"	8 5/8" 5 ½"	499' 4950'	375 1300	4716-52' 4676-97'	2 7/8" @ 4810'		State B-2148
Section 29																
CMU #87	The Wiser Oil Co.	330' FNL, 660' FEL, Unit A	29	17S	33E	1-22-58	O	4450'	11 ¼" 7 7/8"	8 5/8" 5 ½"	320' 4449'	275 200			Estimated TOC 3427'	State B-2229
SMGSAU Tr.5 #6	Cities Service Oil & Gas Corp.	990' FNL, 2310' FEL, Unit B	29	17S	33E	5-2-59	~~O~~ P&A	4499'	11" 7 7/8"	8 5/8" 5 ½"	320' 4500'	250 150	4404-4440' 4294-4326' 4226-4252' 4154-62' 4110-20'	2 3/8" @ 4170'	P&A 6-15-83 (See attached)	State B-2229
SMGSAU Tr.4 #8	Cities Service Oil and Gas Corp.	660' FNL, 1980' FWL, Unit C	29	17S	33E	10-12-60	~~O~~ P&A	4565'	12 ¼" 7 7/8"	8 5/8" 5 ½"	320' 4564'	350 250	4022-4528'		P&A 1-9-87 (See Attached)	State B-2229
SMGSAU Tr.4 #7	Cities Service Oil and Gas Corp.	660' FNL, 660' FWL, Unit D	29	17S	33E	9-29-60	~~O~~ ~~WIW~~ P&A	4560'	12 ¼" 7 7/8"	8 5/8" 5 ½"	320' 4559'	325 250	3968-4472'		P&A 1-9-87. (See attached)	State B-2229
SMGSAU Tr.4 #12	Cross Timbers Operating Co.	1295' FNL, 1295' FWL, Unit D	29	17S	33E	2-3-82	O	4425'	12 ¼" 7 7/8" 4 ¾"	8 5/8" 5 ½" 4" Liner	1305' 3900' 3654-4424'	800 1200 275	4081-4086' 4188'	2 3/8" @ 3983'		State B-2229
SMGSAU Tr. 4 #3	Cross Timbers Operating Co.	1980' FNL, 1980' FWL, Unit F	29	17S	33E	5-30-44	~~O~~ WIW	4300'	11" 7 7/8"	8 5/8" 5 ½"	1225' 4018'	550 300		2" @ 4244'	Estimated TOC 2486' Converted to WIW	State B-2229
SMGSAU Tr. 4 #13	Cross Timbers Operating Co.	1485' FNL, 2400' FWL, Unit F	29	17S	33E	2-2-82	O	4450'	12 ¼" 7 1/8" 4 ¾"	8 5/8" 5 ½" 4" Liner	1312' 3907' 3678-4449'	800 1000 50	4118-4122' 4136-4138' 4230-4236'			State B-2229

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 29 Continued																
SMGSAU Tr.5 #4	Cities Service Oil and Gas Co.	1980' FNL, 1980' FEL, Unit G	29	17S	33E	9-25-44	~~O~~ ~~WIW~~ P&A	4440'	12" 9 5/8"	9 5/8" 7"	1300 4025'	700 250	4316-4300' 4290-4284' 4264-4250' 4234-4200' 4190-4184' 4180-4178' 4174-4166' 4130-4108' 4098-4094' 4062-4052' 4026-4002' 4098-4094'		P&A (See attached)	State B-2229
SMGSAU Tr. 5 #7	Cross Timbers Operating Co.	2615' FNL, 2615' FEL, Unit G	29	17S	33E	3-4-80	O	4380'	12 ¼" 7 7/8" 4 5/8"	8 5/8" 5 ½" 4"	1300' 3888' 3696-4379'	660 800 50	4172-4184' 4204-4218' 4224-4234' 4248-4262' 4268-4278' 4305-4310' 4324-4354'	2 3/8" @ 4294'	Estimated TOC 1400'	State B-2229
SMGSAU Tr.5 #5	Cross Timbers Operating Co.	2310' FNL, 990' FEL, Unit H	29	17S	33E	1-1-59	~~O~~ WIW	4495'	11" 7 7/8"	8 5/8" 5 ½"	254' 4485'	175 200	4137-43' 4177-81' 4246-51' 4253-68' 4314-22' 4332-38' 4420-23' 4427-72'	2" @ 4450'	Estimated TOC 3463' Converted to WIW 10-11-67 TA	State B-2229
SMGSAU Tr.7 #4	Cross Timbers Operating Co.	1650' FSL, 990' FEL, Unit I	29	17S	33E	11-1-54	~~O~~ WIW	4360'	11" 7 7/8"	8 5/8" 5 ½"	297' 4246'	300 800		2" @ 4311'	Converted to WIW 10-13-72 TA	State B-2516
SMGSAU Tr. 7 #9	Cross Timbers Operating Co.	2250' FSL, 1225' FEL, Unit I	29	17S	33E	12-9-81	O	4450'	12 ¼" 7 7/8" 4 ¾"	8 5/8" 5 ½" 4" Liner	1314' 3950' 3678-4449'	735 1000 250	2-0.32" SPF @ 4340-4343' 4348-4350' 4352-4360' 4370-4380' 4385-4387' 4390-4394' 4398-4404' 4408-4414' 4218-4221' 4226-4229' 4246-4248' 4259-4261' 4271-4273' 4279-81' 4296-4306'			State B-2516
SMGSAU Tr.7 #2	Cross Timbers Operating Co.	1980' FSL, 1980' FEL, Unit J	29	17S	33E	3-11-44	~~O~~ WIW	4400'	13 3/8 8 ½"	10 ¾" 7"	1300' 4070'	500 300	4192-95' 4208-12' 4258-62' 4276-4302'	2 3/8" @ 4106'	Estimated TOC 1976' Converted to WIW 9-6-67	State B-2516

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 29 Continued																
SMGSAU Tr. 7 #6	Cross Timbers Operating Co.	1155' FSL, 1385' FEL, Unit O	29	17S	33E	8-12-72	O	4355'	11" 7 7/8"	8 5/8" 5 ½"	354' 4355'	200 435	4244-4254' 4267-4278' 4281' 4285' 4286' 4294-4322'	2 7/8" @ 4248'	Estimated TOC 2420'	State B-2516
SMGSAU Tr.7 #3	Cross Timbers Operating Co.	660' FSL, 990' FEL, Unit P	29	17S	33E	1-16-53	O	4340'	11" 7 7/8"	8 5/8" 5 ½"	1257' 4287'	550 300		2"		
Section 30																
SMGSAU Tr.2 #4	Cities Service Oil & Gas Corp.	660' FNL, 660' FEL, Unit A	30	17S	33E	12-12-56	⊖ P&A	4292'		8 5/8" 5 ½"	1241' 4039'	50 100			P&A 6-15-83. (See attached)	BLM LC 062004
SMGSAU Tr.2 #5	Cities Service Oil and Gas Corp.	550' FNL, 1980' FEL, Unit B	30	17S	33E	5-1-67	⊖ P&A	4300'	11" 7 3/8"	8 5/8" 4 ½"	353' 4300'	350 300	4166-4182'	2 3/8" @ 4104'	Estimated TOC 3185' P&A 6-15-83 (See attached)	BLM LC 062004
MCA Unit #134	Conoco Inc.	660' FNL, 1980' FWL, Unit C	30	17S	33E	12-30-43	O	4315'		8 ¼" 7"	1185' 3894'	100 150	4101-4136'		Shut-in	BLM LC 058697 (b)
MCA Unit #133	Conoco Inc.	660' FNL, 660' FWL, Unit D	30	17S	33E	1-30-43	⊖ WIW	4248'		10" 7"	22' 3913'	8 200		2" @ 4200'	Converted to WIW 3-7-68.	BLM LC 058697 (b)
Section 33																
CMU #103	The Wiser Oil Co.	660' FNL, 660' FEL, Unit A	33	17S	33E	12-6-57	O	4570'		8 5/8" 5 ½"	352' 4569'	150 767 + 350	4420-30' 4440-64'	2" @ 4495'	Estimated TOC 1730'	BLM NM 801
CMU #102	The Wiser Oil Co.	330' FNL, 1650' FEL, Unit B	33	17S	33E	12-26-57	⊖ WIW	4560'		8 5/8" 5 ½"	328' 4559'	175 525 + 329 + 350	4416-26' 4434-60'	2" @ 4451'	Estimated TOC 2010' Converted to WIW 4-27-67.	BLM LC 060967
Phillips Federal #2	Zapata Petroleum Corp.	660' FNL, 1980' FEL, Unit B	33	17S	33E	11-25-57	⊖ P&A			8 5/8"	334'	175			P&A 12-11-57	BLM LC 060967
Phillips Federal #4	Pennzoil Company	990' FNL, 2310' FEL, Unit B	33	17S	33E	5-20-78	⊖ P&A	4490'	17 ½" 7 7/8"	12 ¾" 5 3/8"	355' 4490'	475 1200	4472-79' 4442-60' 4416-32'	2 3/8" @ 4250'	P&A 8-12-80 (See Attached)	BLM NM 801
Wyatt-A Fed. #5	H.R. Denius, et al.	990' FNL, 1650' FWL, Unit C	33	17S	33E	1-28-55	⊖ P&A	4305'		8 5/8" 7" 4 ½"	1170' 1231' 4258'	166 50 100	None		P&A 11-2-59 (See attached)	BLM LC 060967-C
Wyatt "A" Federal #1	Phillips Petroleum Co.	330' FNL, 2310' FWL, Unit C	33	17S	33E	3-26-62	O&G	4506'		11 ¾" 4 ½"	314' 4506'	250 1200	4377'	2 3/8" @ 4380'		BLM LC 060967
Wyatt "A" Federal #12	Phillips Petroleum Co.	660' FNL, 1980' FWL, Unit C	33	17S	33E	1-15-56	O&G	4305'		8 5/8" 5 ½"	224.79 4188	50 600	Open Hole			BLM NM 801
U.S. Minerals #2	Cross Timbers Operating Co.	990' FNL, 990' FWL, Unit D	33	17S	33E	7-22-53	O&G	4452'		8 5/8" 7"	1305' 4104'	50 100		2"		BLM NM-010388
U.S. Minerals #3	Cross Timbers Operating Co. P.O. Box 52070 Midland 79710-2070	380' FNL, 350' FWL, Unit D	33	17S	33E	5-2-96	O&G	4480'	12 ¼" 7 7/8"	8 5/8" 5 ½"	394' 4470'	250 950		2 3/8" @ 4415		BLM NM 010388

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 33 Continued																
Wyatt "A" Federal #4	Phillips Petroleum Co.	1650' FNL, 1650' FWL, Unit F	33	17S	33E	12-21-52	~~O~~ WIW	3735'		8 5/8" 7"	1350' 3675'	50 100	None	2" @ 3635'	Converted to WIW 11-28-83.	BLM NM 801
Elliams #2	Phillips Petroleum Co.	2310' FNL, 1981' FEL, Unit G	33	17S	33E	11-25-60	O&G	8828'		13 3/8" 8 5/8" 5 ½"	330' 4586' 8827'	350 722 384	8668-8776'			BLM LC 060967
Wyatt "A" Federal #10	Phillips Petroleum Co.	1650' FNL, 1650' FEL, Unit G	33	17S	33E	3-26-55	O&G	4358'		8 5/8" 7"	1398' 3756'	50 100	3745-3756'			BLM NM 801
Elliams #1	Phillips Petroleum Co.	1980' FNL, 812' FEL, Unit H	33	17S	33E	8-3-60	O&G	8860'		13 3/8" 8 5/8" 5 ½"	204' 4574' 8847'	350 1060 460	8734-8804'			BLM NM 801
Cockburn Federal #1	Phillips Petroleum Co.	1650' FSL, 330' FEL, Unit I	33	17S	33E	1-23-51	~~O~~ P&A			10 ¾" 5 ½" 5 ½"	21' 1575' 3870'	12 50 65		2" @ 3720'	P&A 12-29-73 (See attached)	BLM NM 04242
Cockburn Federal #7	M & W of Lovington, Inc.	2310' FSL, 330' FEL, Unit I	33	17S	33E	2-20-56	O	4619'		10 ¾" 5 ½"	210' 4309'	75 600	4260-4270' 4360-4378' 4326-4336'			BLM NM 04242
Denius Federal #1	L.B. Simmons Energy Inc.,	1980' FSL, 990' FEL, Unit I	33	17S	33E	5-19-60	O&G	8950'		13 3/8" 8 5/8" 5 ½"	316' 4774' 8950'	375 950 200	8710-8753'			BLM NM 04242
Cockburn Federal #10	M & W of Lovington Inc.	2310' FSL, 2310' FEL, Unit J	33	17S	33E	9-22-65	O&G	4695'	11" 7 7/8"	8 5/8" 5 ½"	289' 4693'	200 350	4638' 4611'	2 3/8" @ 4493'	Estimated TOC 2905'	BLM NM 04242
Cockburn Federal #3	Target Production Co.	2310' FSL, 1650' FEL, Unit J	33	17S	33E	6-8-51	~~O~~ P&A	4539'		8 5/8" 7"	1427' 4321'	50 100		2" @ 4360'	P&A 10-7-74. (See attached)	BLM NM 04242
Denius Federal #2	L.B. Simmons Inc.	1980' FSL, 1980' FEL, Unit J	33	17S	33E	7-15-60	O&G	9027'		13 3/8" 8 5/8" 4 ½"	310' 4754' 9016'	350 950 275	8724-8764'	2 3/8" @ 8984'		BLM NM 04242
Denius Federal #10	Grauten & Pepper	2310' FSL, 2117' FWL, Unit K	33	17S	33E	2-28-62	~~O&G~~ P&A	4710'		11 ¾" 4 ½"	314' 4710'	275 1200	4659-4667'	2 3/8" @ 4647'	P&A 5-12-90 (See attached)	BLM NM 04242
Wyatt "A" Federal #4	Oxy USA Inc.	990' FSL, 1650' FEL, Unit O	33	17S	33E	2-16-62	~~O&G~~ P&A	8797'		13 3/8" 8 5/8" 4 ½"	310' 3105' 8790'	340 3105 1325	4730-4737' 4750-4756'	2 3/8" @ 4702'	P&A 11-22-88 (See attached)	BLM LC 062391
Wyatt "A" Federal #1	Oxy USA Inc.	660' FSL, 660' FEL, Unit P	33	17S	33E	1-23-45	O&G	6941'		8 5/8" 7"	1498' 4265'	50 100		2"	Proposal to P&A dated 3-12-96 -No final report yet	BLM LC 062391
Wyatt "B" Federal #1	Oxy USA Inc.	990' FSL, 330' FEL, Unit P	33	17S	33E	1-2-61	O&G	8850'		13 3/8" 8 5/8" 4 ½"	309' 4213' 8850'	340 1900 200	8734-8764'	2 3/8" @ 8845'	TA 5-8-96.	BLM LC 062391
Section 34																
Wyatt Phillips #9	Target Production Co.	990' FNL, 660' FWL, Unit C	34	17S	33E	2-25-55 Plugback 10-15-58	~~O&G~~ P&A	4523'		8" 7"	1453' 3787'	50 100	3781-3797'	2" @ 3675	P&A 4-26-74 (See attached)	BLM NM 801

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TYPE	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TUBG/ PKR	COMMENTS	LEASE
Section 34 Continued																
Wyatt Phillips #8	Target Production Co.	990' FNL, 330' FWL, Unit D	34	17S	33E	5-15-54	~~O&G~~ P&A	4424'		8 5/8" 7"	1470' 4424'	50 125	4393-4423'		P&A 11-29-73 (See attached)	BLM NM 801
Wyatt Phillips Fed. #15	Southwest Royalties Inc.	660' FNL, 990' FWL, Unit D	34	17S	33E	4-16-94	O&G	4884'	12 ¼" 7 7/8"	8 5/8" 5 ½"	1492' 4884'	760 350	4712-4758'	2 7/8" @ 4700'	Estimated TOC 3096'	BLM NM 801
Elliams #3	Phillips Petr. Co. HC 60 Box 66 Lovington 88260	2308' FNL, 660' FWL, Unit E	34	17S	33E	1-14-61	O	8830'		13 3/8" 8 5/8" 5 ½"	358' 4598' 8829'	350 722 349	8655-8682' 8689-8769'			BLM NM 801
Wyatt Phillips #6	Target Production Co.	2310' FNL, 330' FWL, Unit E	34	17S	33E	2-17-54	~~O&G~~ P&A	3792'		8 5/8" 7"	1452' 3782'	50 135	3745-3751' 3763-3781'		P&A 4-26-74 (See attached)	BLM LC 060967
Wyatt Phillips #11	Target Production Co.	1980' FNL, 660' FWL, Unit E	34	17S	33E	1-17-56	~~O&G~~ P&A	5170'		8 5/8" 5 ½"	207' 4998'	75 700	3750-3758'		P&A 4-26-74 (See attached)	BLM NM 801
Elliams #7	Phillips Petr. Co. 4001 Penbrook St. Odessa, TX 79762	2310' FNL, 1720' FWL, Unit F	34	17S	34E	5-18-76	O&G	8910'	17 ½" 11" 7 7/8"	13 3/8" 8 5/8" 5 ½"	351' 4614' 8910'	500 550 590	8680'-90' 8703'-08' 8716'-21' 8748'-58'	2 7/8" @ 8532'	TOC 2560' by Temp Survey	BLM NM 801
Wyatt Phillips #7	Southwest Royalties Inc.	2310' FNL, 1650' FWL, Unit F	34	17S	33E	4-15-54	O&G	3830'		8 5/8" 7"	1440' 3815'	50 100	3792-3812'			BLM NM 801
Wyatt Phillips #13	Target Production Co.	2310' FNL, 1879' FWL, Unit F	34	17S	33E	5-3-61	~~O&G~~ P&A	8873'	17 ¾" 11"	13 3/8" 8 5/8" 5 ½"	343' 4595' 8871'	350 600 377	8044-8122'		Estimated TOC 5800' P&A 4-26-74 (See attached)	BLM LC 060967
Cockburn Federal #8	M & W of Lovington, Inc. Box 922 Lovington NM 88260	2310' FSL, 330' FWL, Unit L	34	17S	33E	2-24-56	~~O~~ P&A	4807'		8 5/8" 5 ½"	222' 4344'	75 600	4420-4448' 3800-3820'	2"	P&A 1-17-90.	BLM NM 04242
Denius Federal #4	L.B. Simmons Energy Inc.	1980' FSL, 330' FWL, Unit L	34	17S	33E	9-26-60	O&G	9125'		13 3/8" 8 5/8" 4 ½"	312' 4217' 9124'	340' 1450' 250'	8696-8740'			BLM NM 04242
Wyatt "A" Federal #2	Oxy USA Inc.	990' FSL, 330' FWL, Unit M	34	17S	33E	9-8-50	O&G	4075'		8 5/8" 7"	1473' 3950'	50 100		2" @ 3975'	TA ending 5-8-96.	BLM LC 062391

EXHIBIT VIII-B

AFFIDAVIT OF MAILING

STATE OF NEW MEXICO
SS.
COUNTY OF CHAVES

I, Bonita L. Limpus Jones, do solemnly swear that a copy of this Application has been mailed by certified mail, to each of the interested parties listed on Exhibit XIII-A.

Bonita L. Limpus Jones
Consulting Landman with J. O. Easley, Inc.
on behalf of The Wiser Oil Company

SWORN AND SUBSCRIBED TO before me this 16 day of August, 1996.

My Commibsion Expires: December 18, 1999

Notary Public

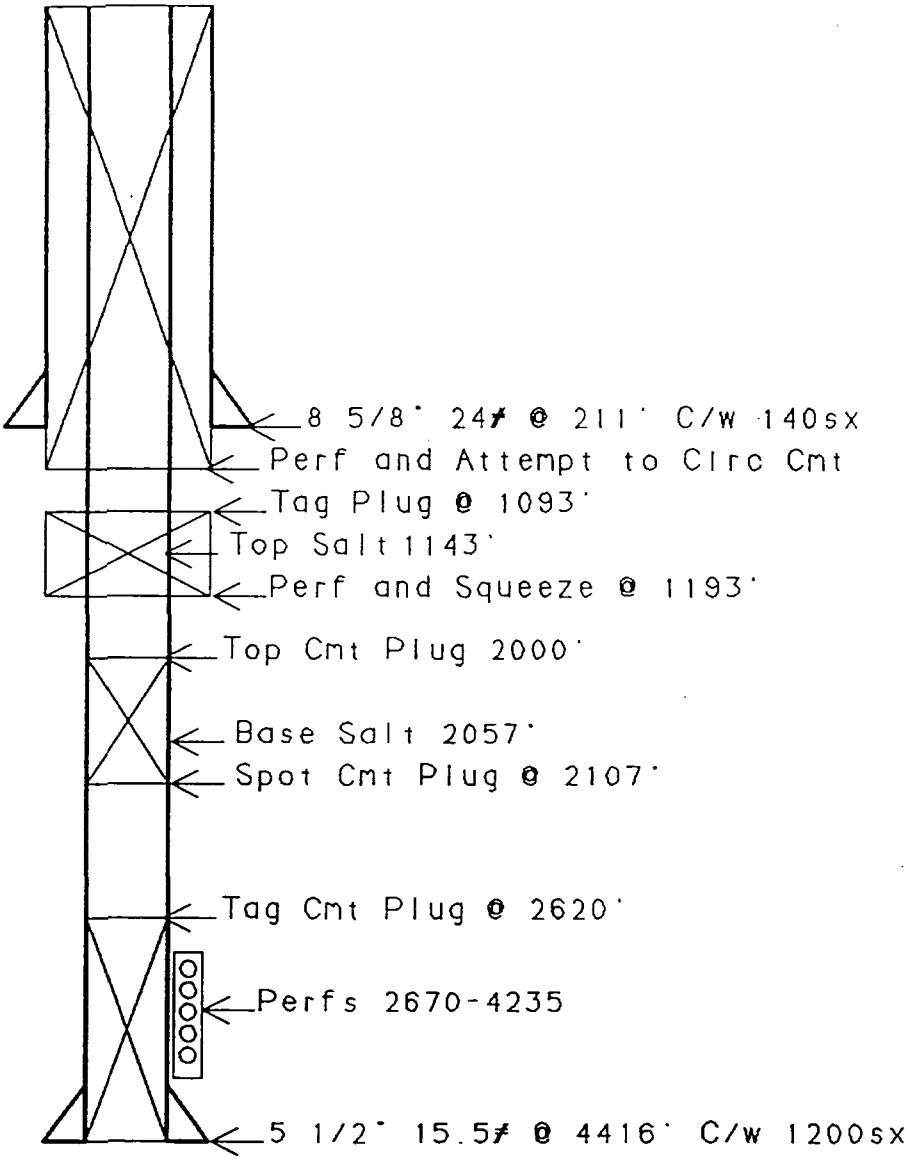
EXHIBIT VIII-C

NOTICE TO BE PUBLISHED IN THE HOBBS NEW SUN
ON SUNDAY, AUGUST 18, 1996

PROPOSED INJECTION WELLS

The Wiser Oil Company proposes to expand its Caprock Maljamar Unit and inject water into 10 wells in Section 24, T17S-R32E, 2 wells in Section 18, 4 wells in Section 19, 2 wells in Section 20, 4 wells in Section 21, and 6 wells in Section 28, all in T17S R33E, Lea County, New Mexico, to provide injection service for the existing Caprock Maljamar Unit Waterflood, Order No. R-10094. The zones to be injected into are Grayburg and San Andres from 3900' to 5500' with a maximum injection rate of 250 BWPD/well at a maximum pressure of 920 psi. Any interested parties with objection or request for hearing should notify the Oil Conservation Division at P. O. Box 2088, Santa Fe, New Mexico 87501, within 15 days of this notice. Any questions should be directed to Jim Ward with The Wiser Oil Company, at P. O. Box 2568, Hobbs, New Mexico 88241, 505-392-9797.

Miller BX Federal #1



MACK ENERGY CORPORATION

WELL DIAGRAM

MILLER BX FEDERAL #1

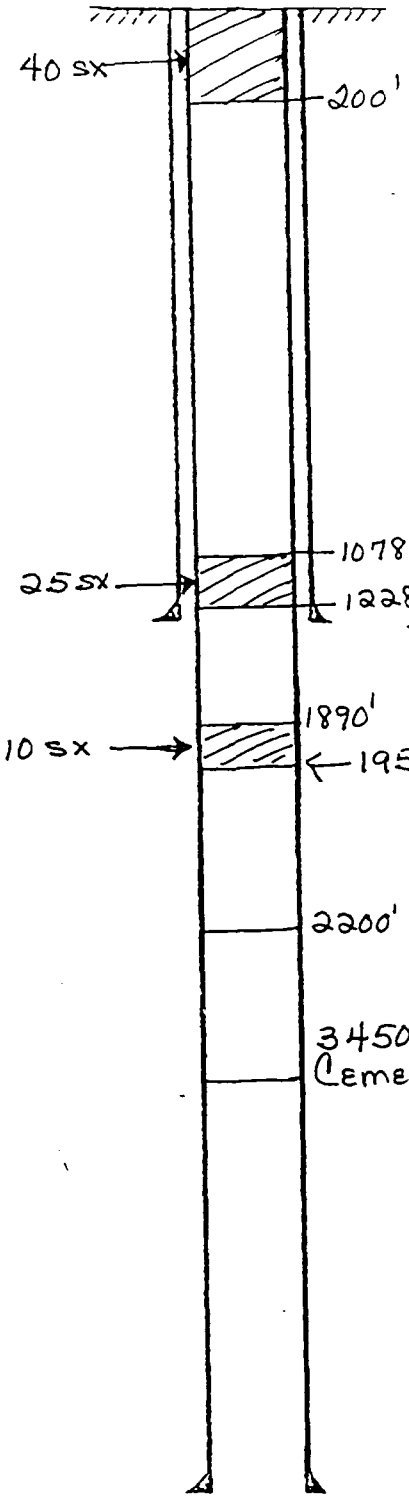
SEC 14 T17S R32E

660FSL 660FEL

WELL DIAGRAM AFTER PREPARE BY ROBERT CHASE

OPERATOR			DATE
Conoco Inc.			P+A 10-17-95
LEASE LC-058698B MCA Unit	WELL No. 33	LOCATION 1980' FNL, 1965' FEL, Unit G	

Sec. 23, 17S-32E



7 1950' 7" CIBP - 60' cement

2200' RBP - 10' sand

3450' Cement Retainer - 35' cement

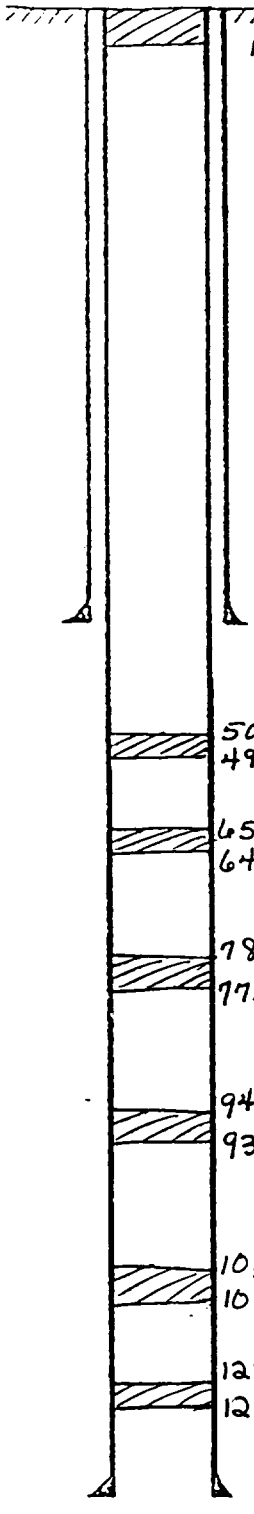
8 5/8 " casing set at _____ ' with _____ sx of _____ ceme

Hole size _____ "

7 " casing set at _____ ' with _____ sx of _____ ce

Total Depth _____ ' Hole size _____ "

OPERATOR			DATE
Kewanee Oil Company			P+A 7-4-62
LEASE	WELL No.	LOCATION	
LC-061842 / Miller BX Deep	1	410' FSL, 660' FEL, Unit P Sec. 14, T17S-R32E	



0' Cement
10' Plug with 10 sx.

13 3/8 " casing set at 301 ' with 425 sx of _____ ceme

Hole size _____ "

5000'
4900' Cement Plug - 38 sx

6525'
6425' Cement Plug - 38 sx

7850'
7750' Cement Plug - 38 sx

9435'
9335' Cement Plug - 38 sx

10,440'
10,340' Cement Plug - 38 sx

12308'
12208' Cement Plug - 38 sx

9 5/8 " casing set at 4960 ' with 3623 sx of _____ ce

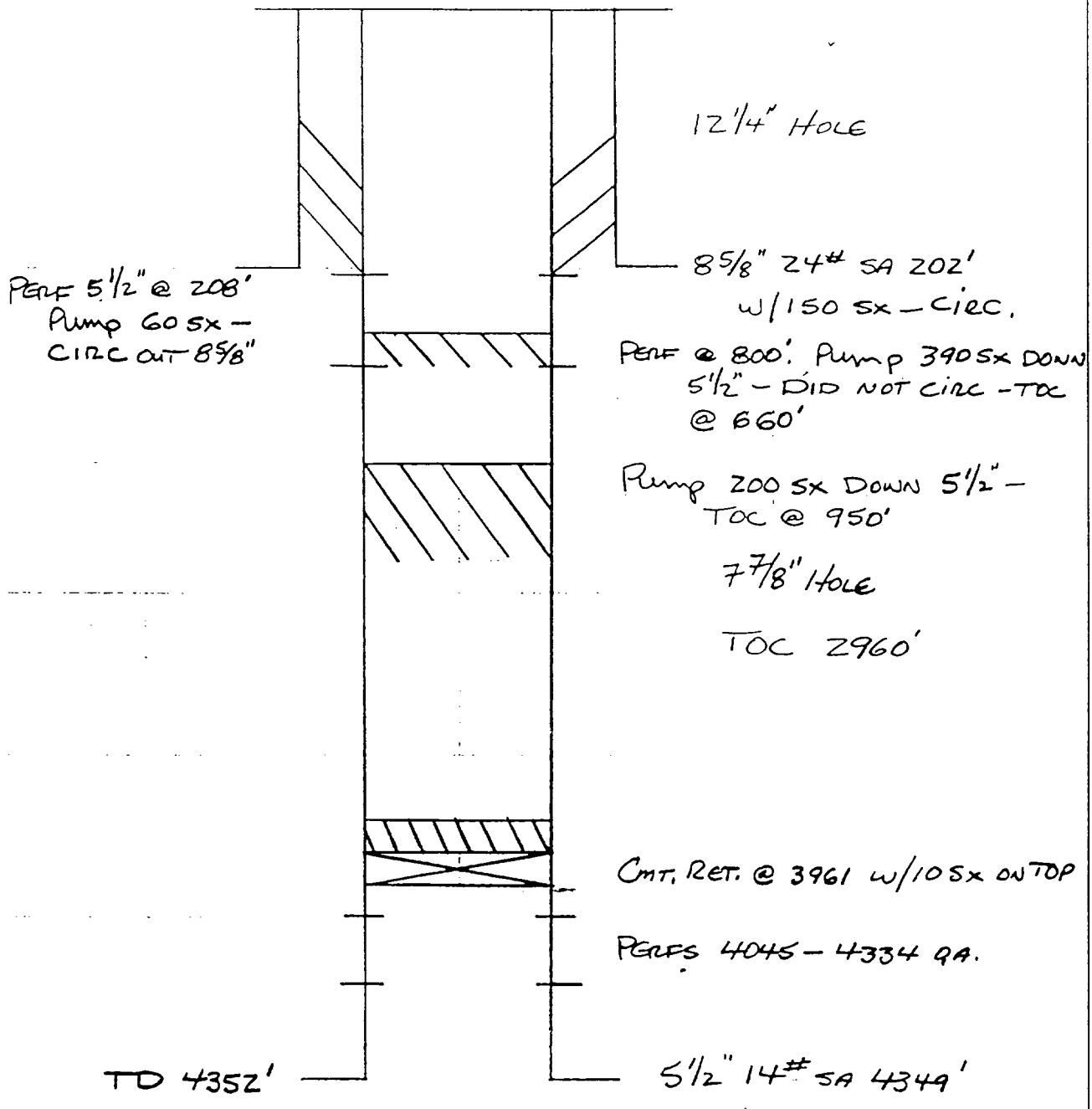
Total Depth 14,015 ' Hole size _____ "

CMU #23

(fka M.B. STATE 13 #5)

13"0"–17S–32E

4/30/59

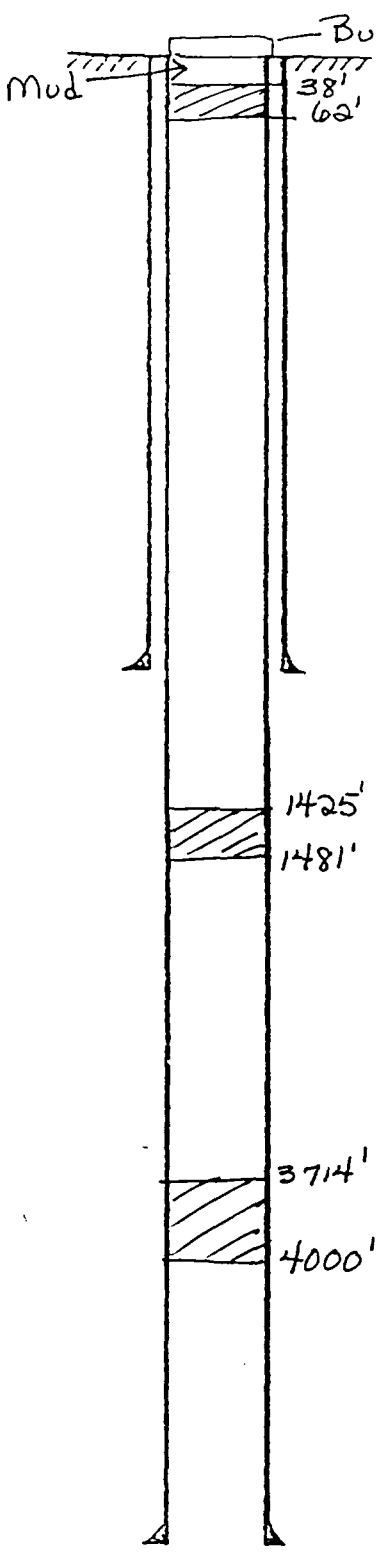


P&A 9/79

6/29/94

OPERATOR			DATE
Kewanee Oil Company (Barney Cockburn)			P+A 5-21-56
LEASE		WELL No.	LOCATION
LC-058698-B	Miller B Fed.	5	1980' FNL, 660' FEL, Unit H

Sec. 23, 17S-32E



7 " casing set at 560 ' with 8+P sx of _____ ceme

Hole size 11 3/4 "

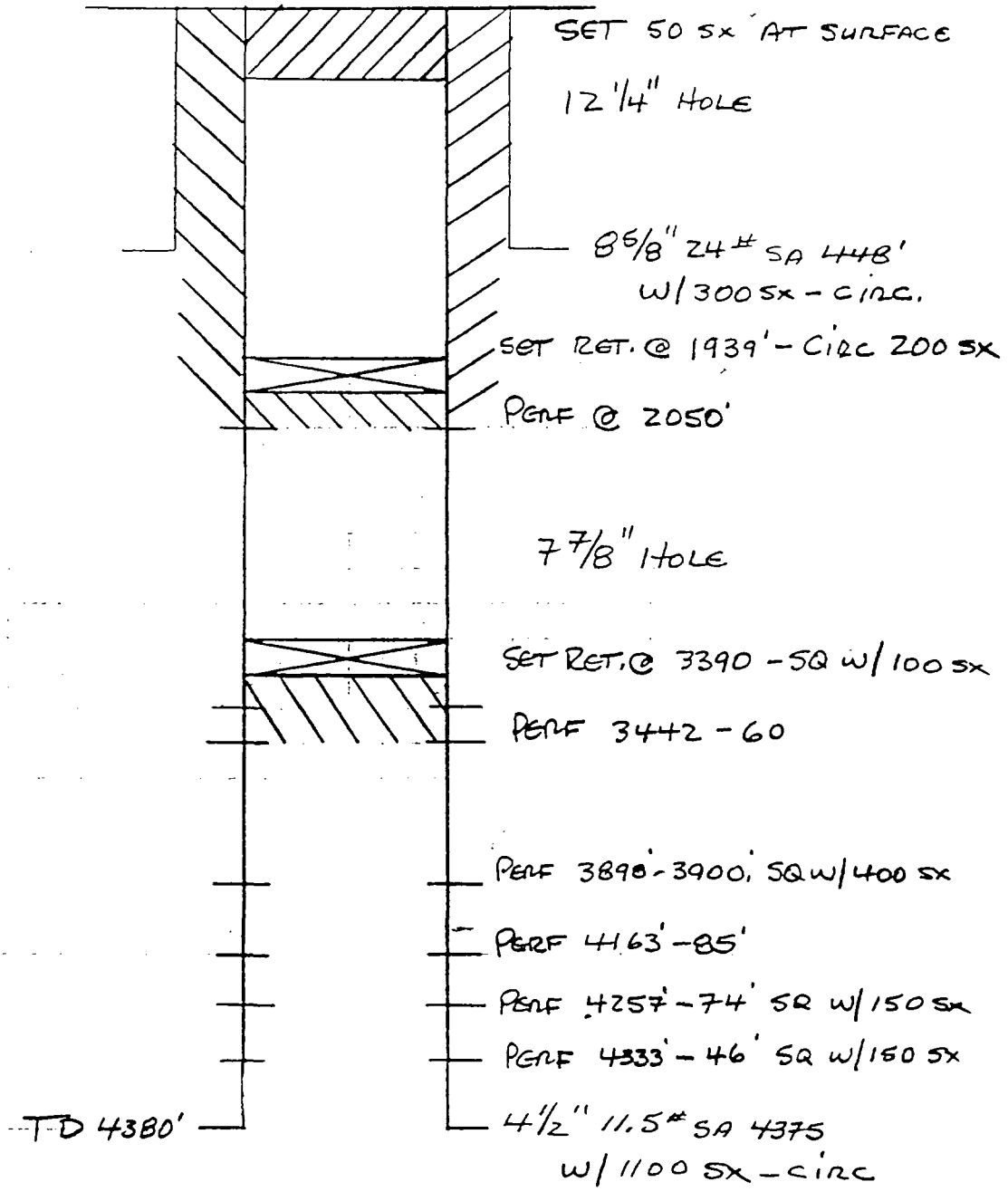
5 1/2 " casing set at 1625 ' with 100 sx of _____ ce

Total Depth 4235 ' Hole size 8 1/4 "

ARCO JOHNS "B" #14

24 "I" – 17S – 32E

12/6/81

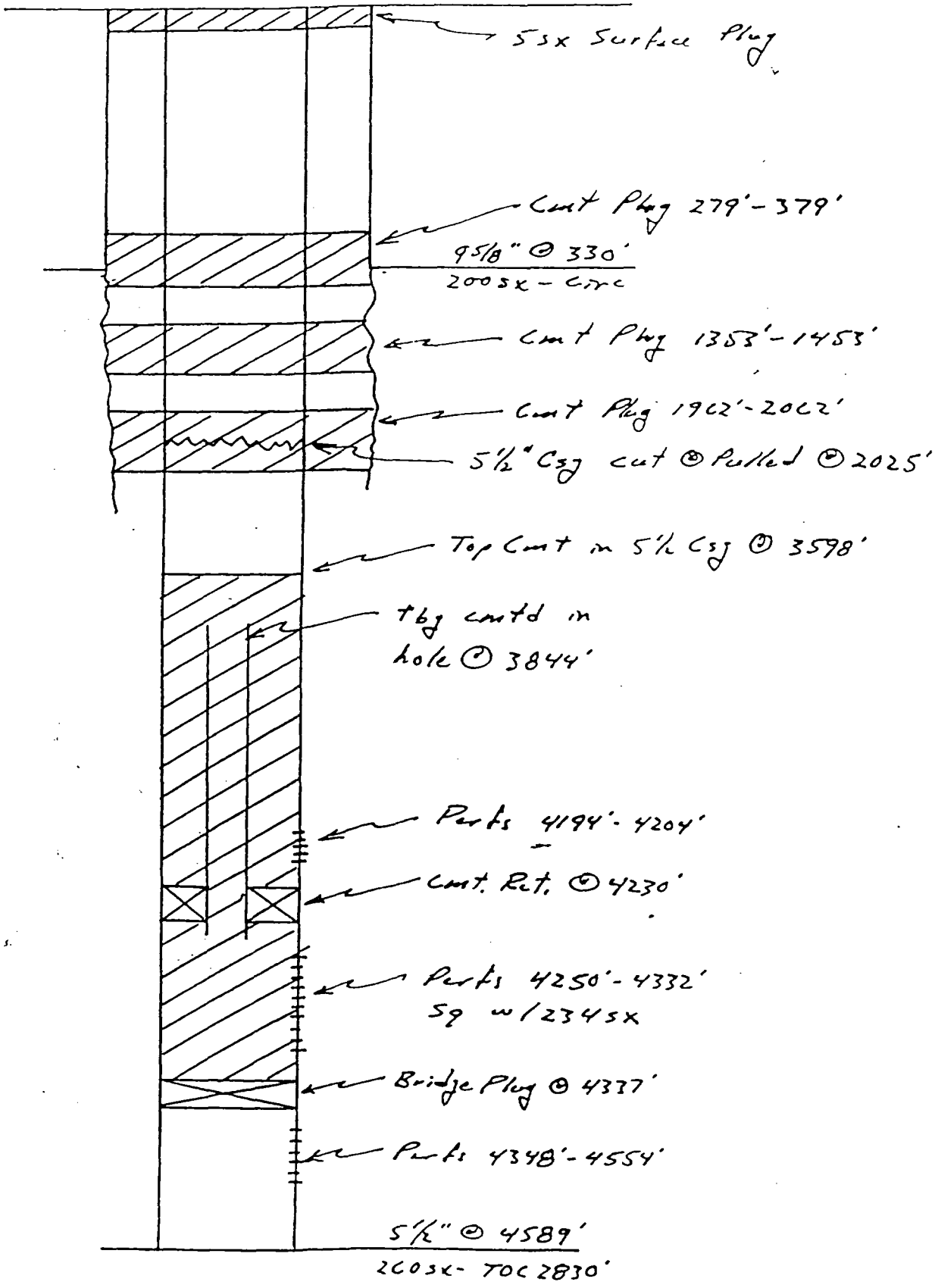


P & A 12/83

H 6/29/94

Well Name: MURPHY BAXTER State 18-8 #5

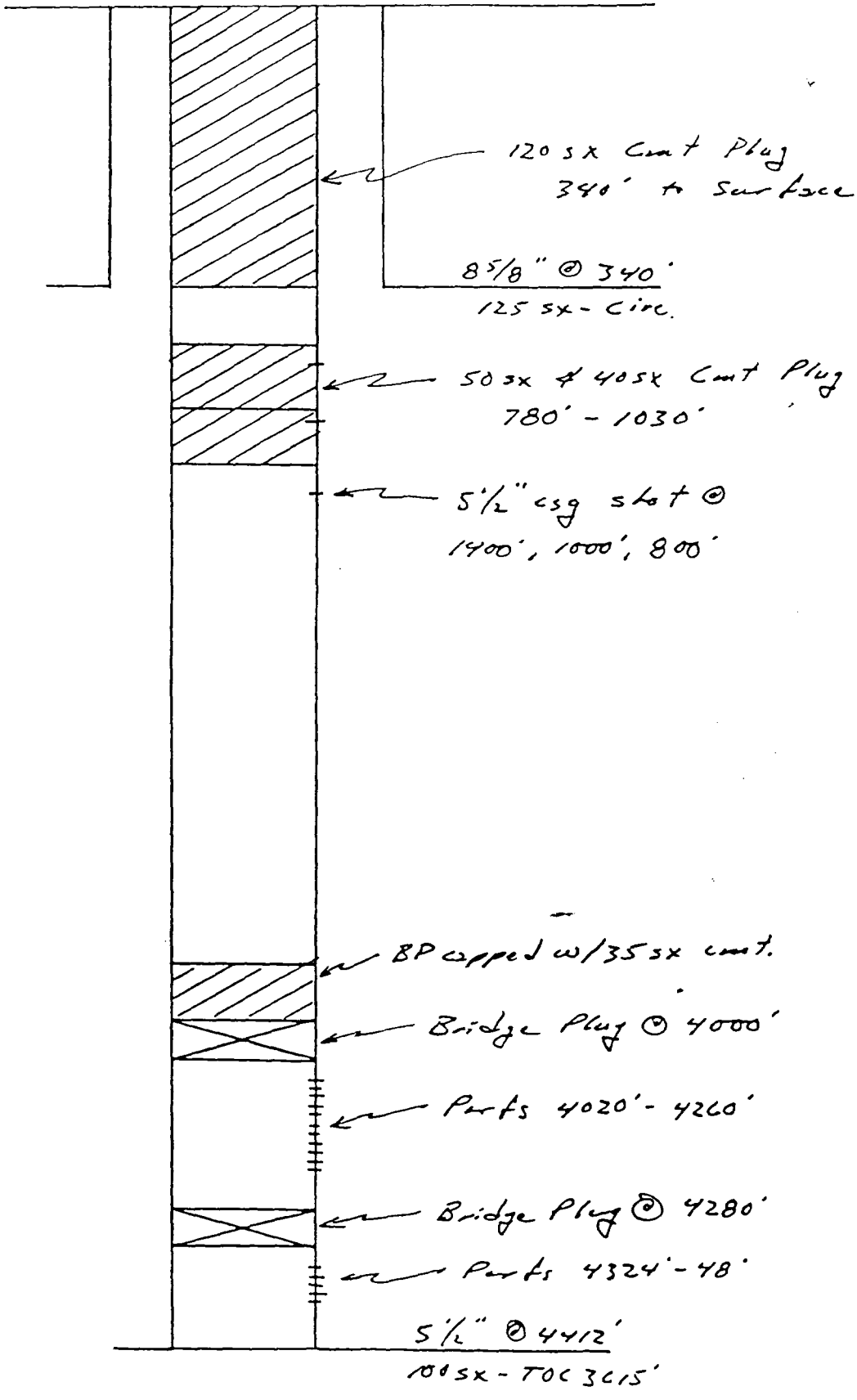
Date P & A: Mar 1975



TD 4589'

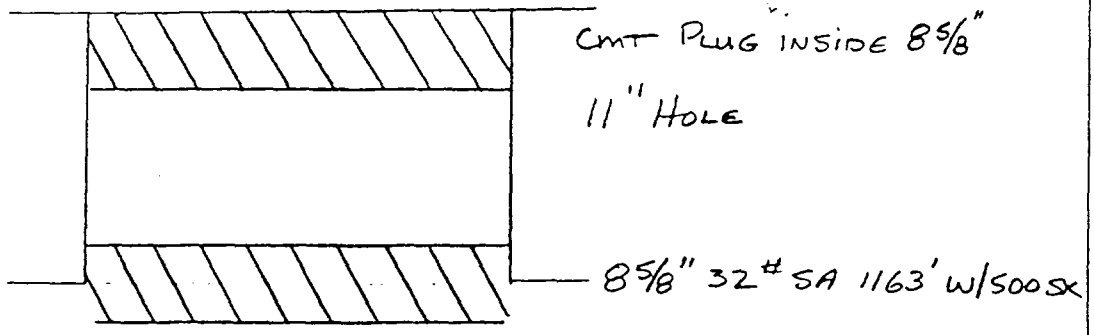
Well Name: PENNZOIL Phillips B State #2

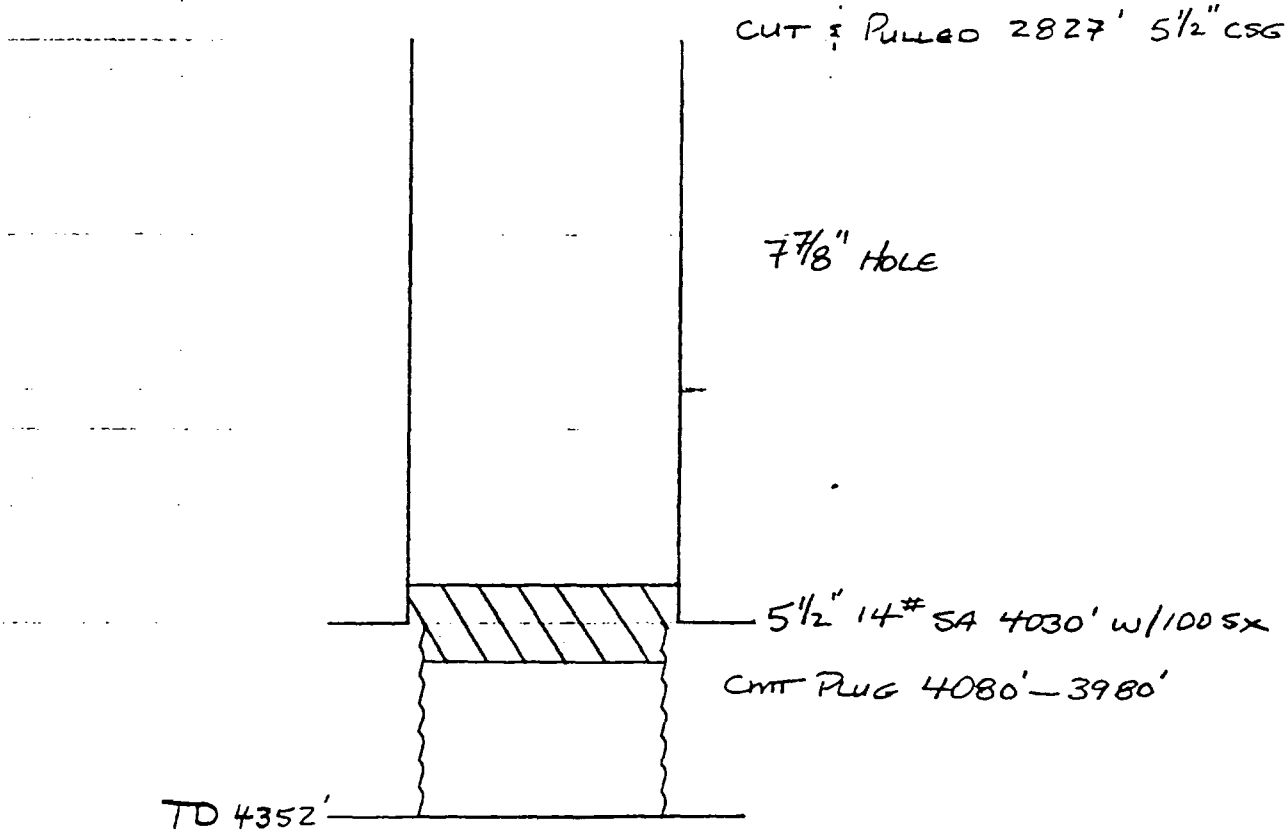
Date P & A: Jan 1992



PHILLIPS LEAMEX #2

19"N" – 175 – 33E





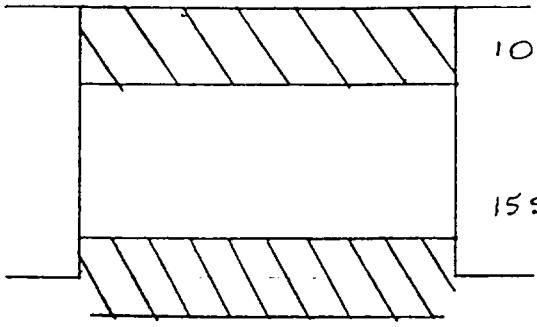
P&A 12/31/42

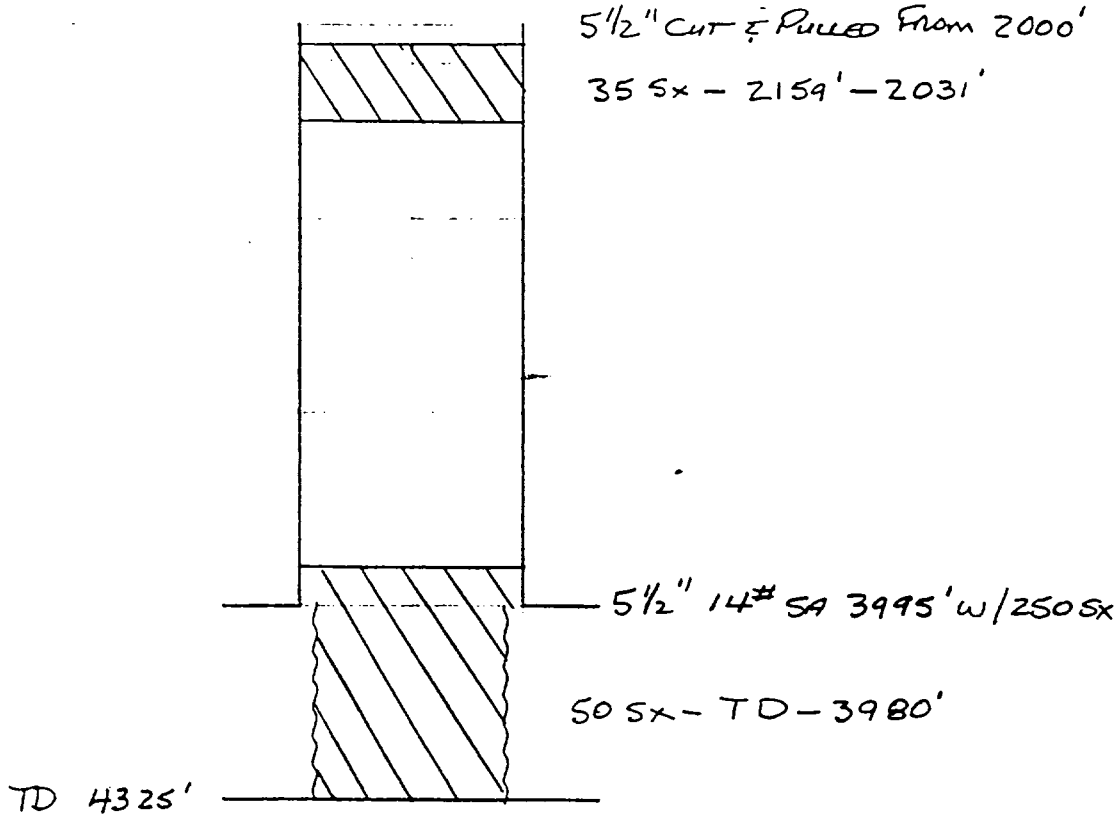
N7/5/94

PHILLIPS LEAMEX #3

19"L" – 17S–33E

4/30/44



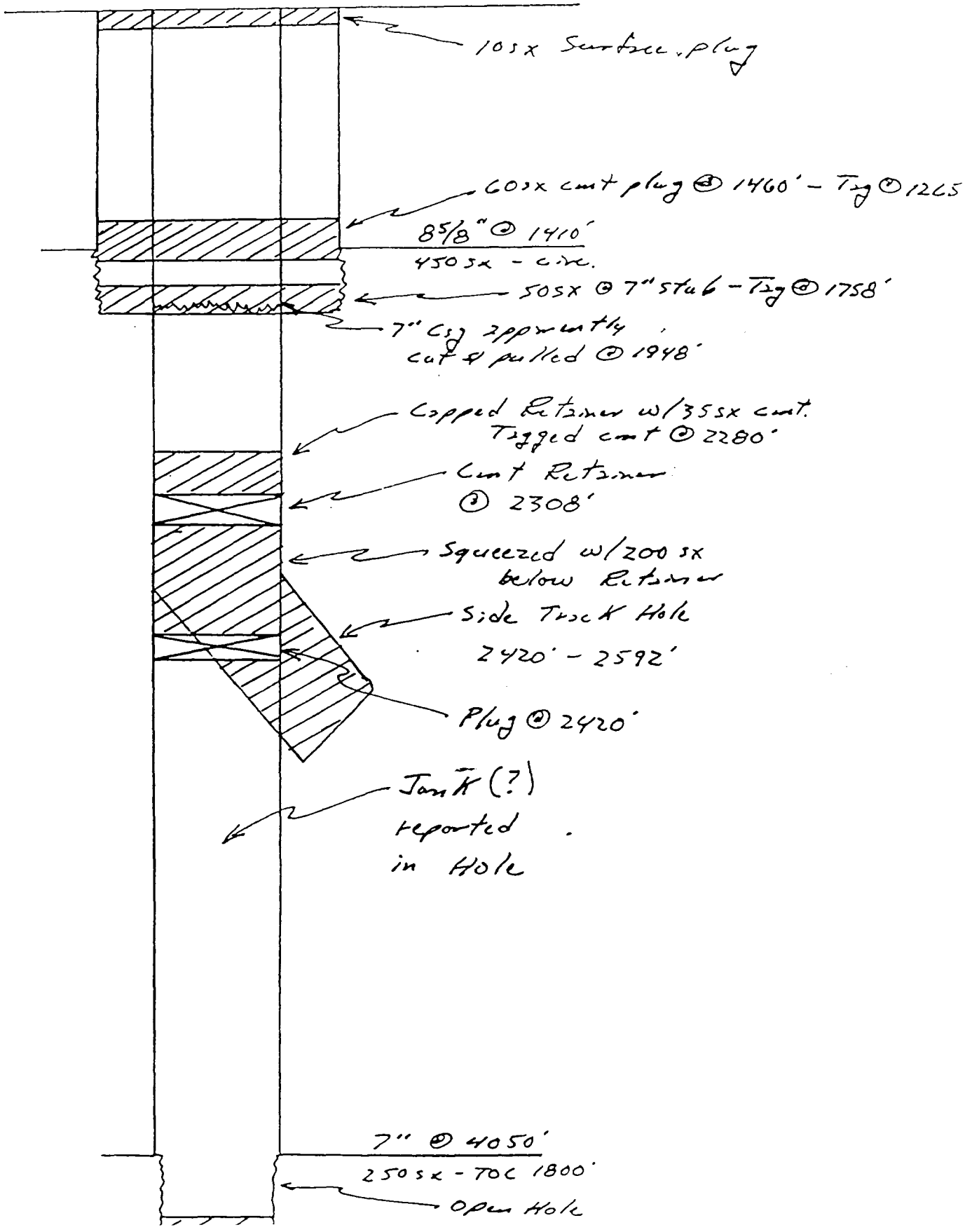


P & A 8/53

N 7/5/94

Well Name: WESTERN OIL FIELDS Phillips State #1

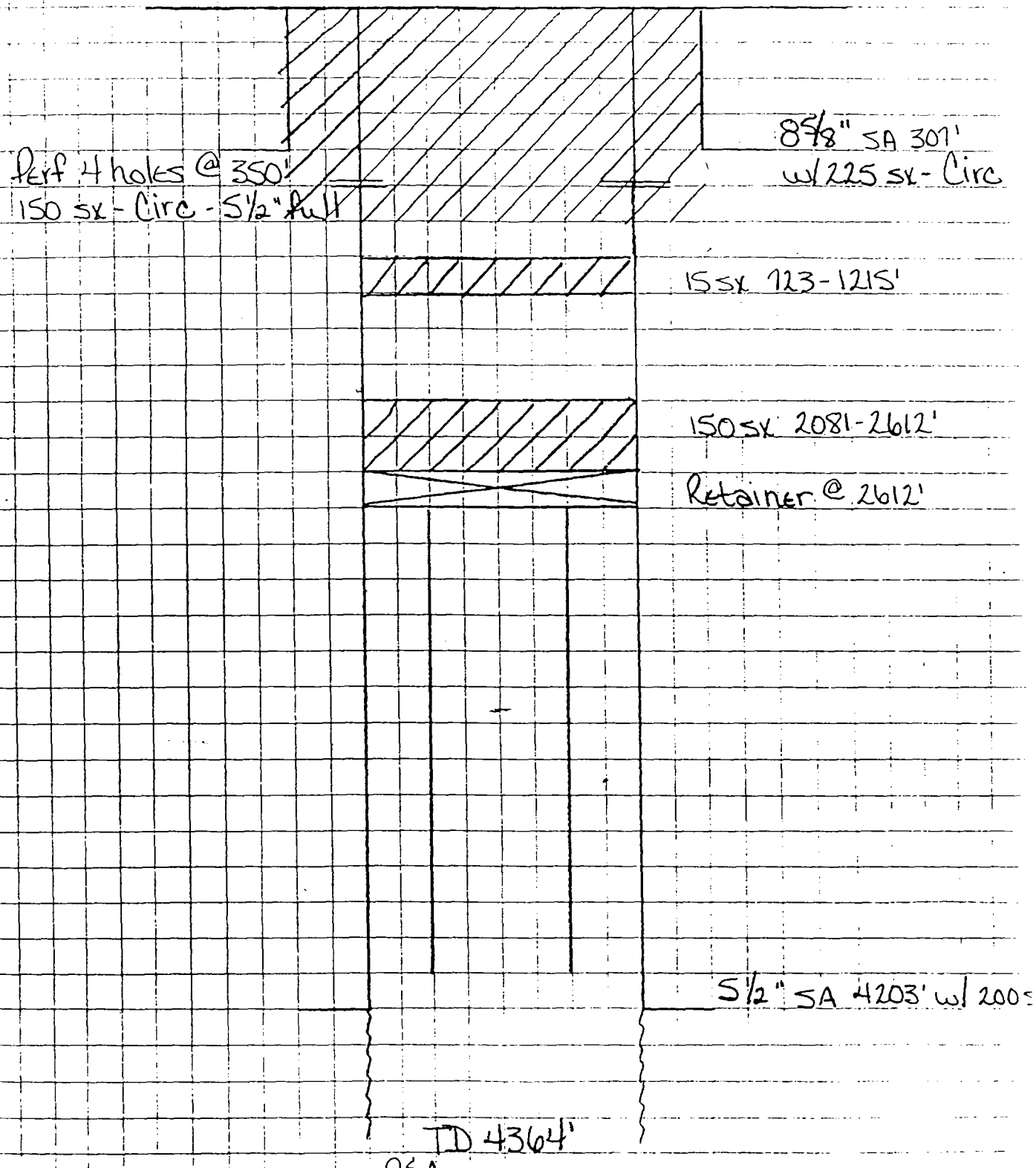
Date P & A: Aug 1980



Crown Central Petroleum Corporation

Mal Gra Unit B #6

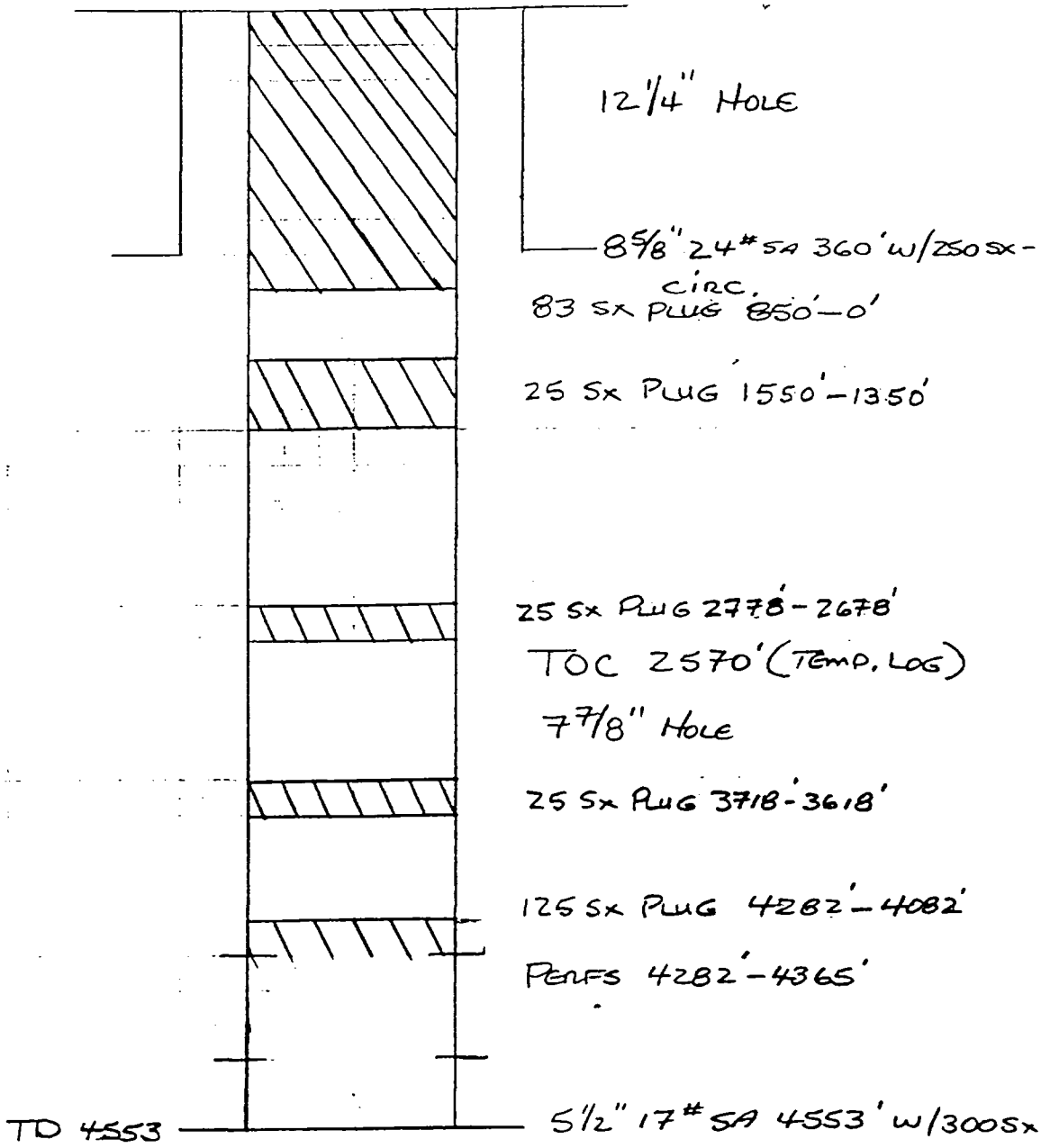
990' FWL & 330' FSL, Unit M, Section 20-17S-33E



PHILLIPS LEAMEX #14

21"B"-17S-33E

4/28/75

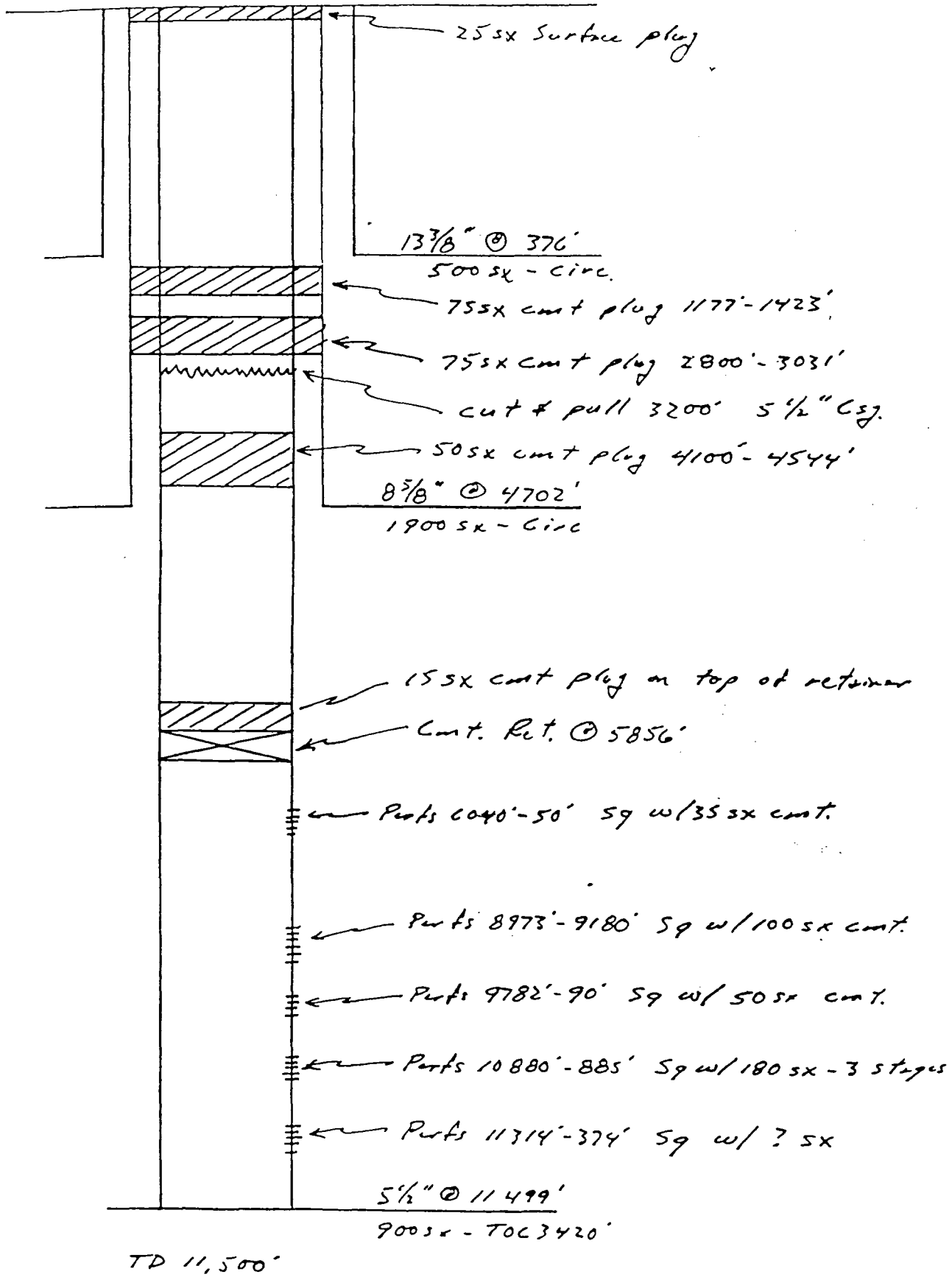


P&A 10/92

7/5/94

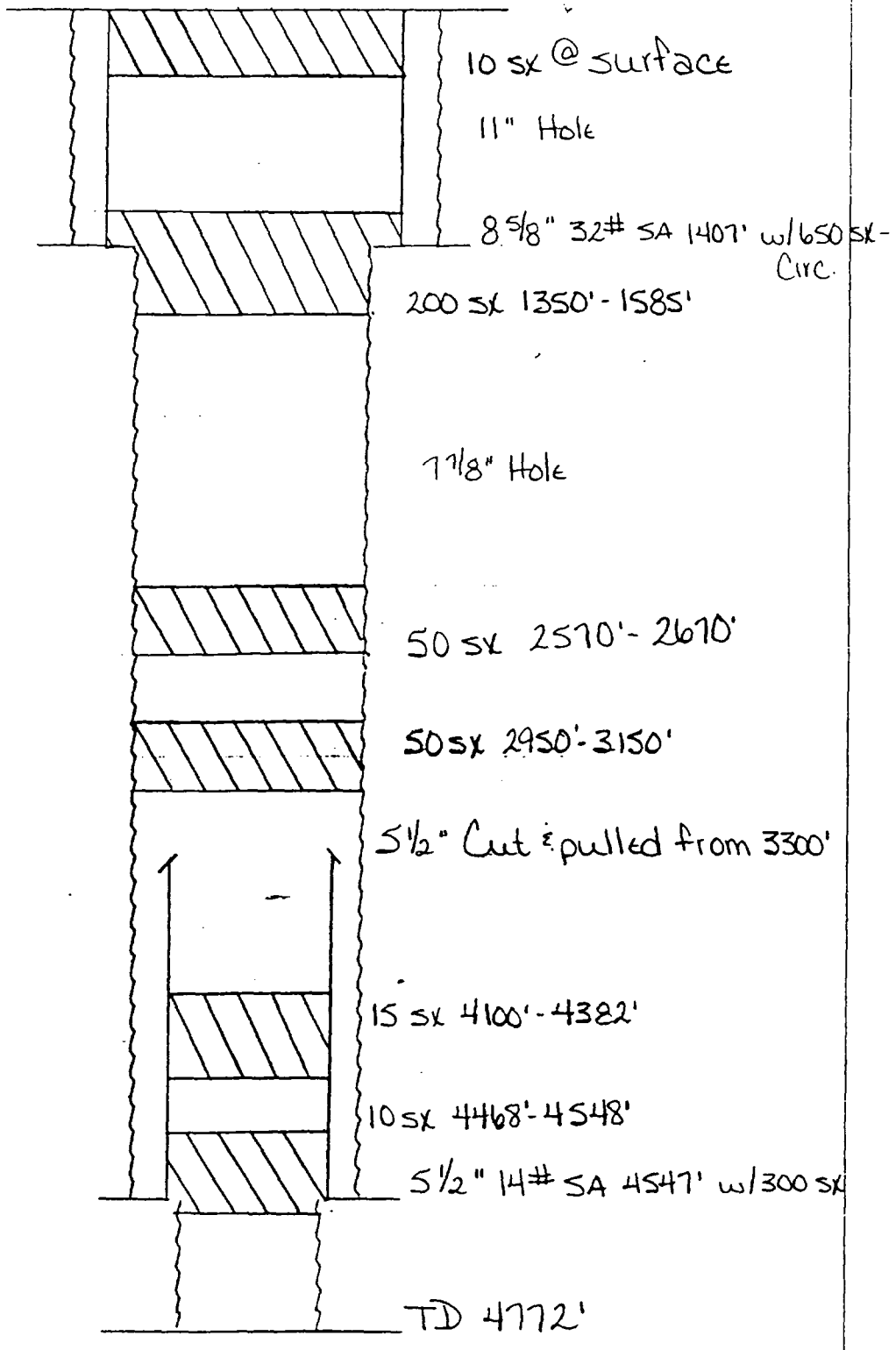
Well Name: PHILLIPS Lomax #25

Date P & A: May 1984



Phillips Philmex #1

28 "D" 17S 33E
11/19/41



MP 7/11/94

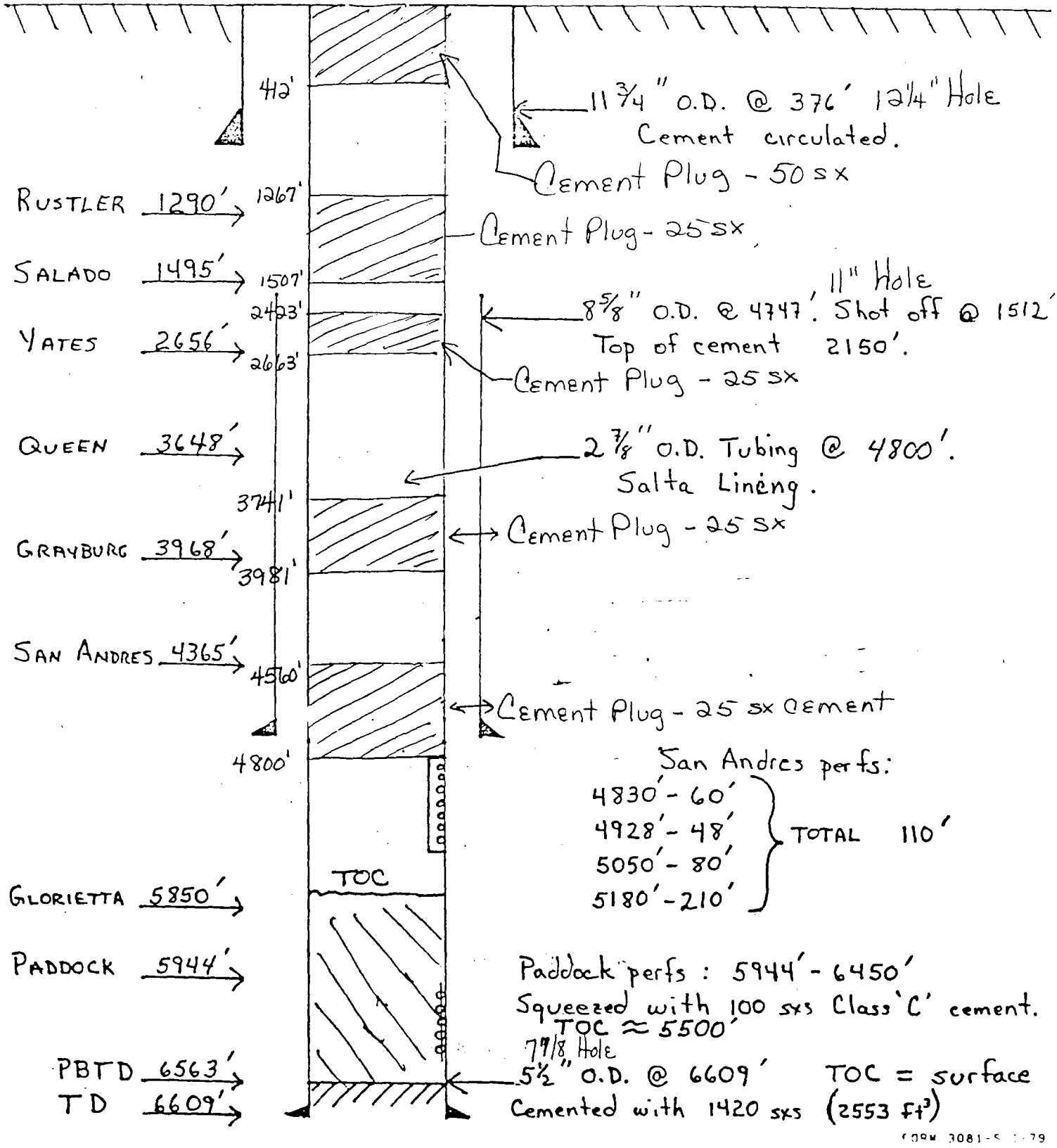
P & A 12/46 Re-P & A 8/80

PHILLIPS PETROLEUM COMPANY

PHILMEX WELL NO. 14

Maljamar Grayburg - San Andres Pool, Lea County, New Mexico

P+A 4/95

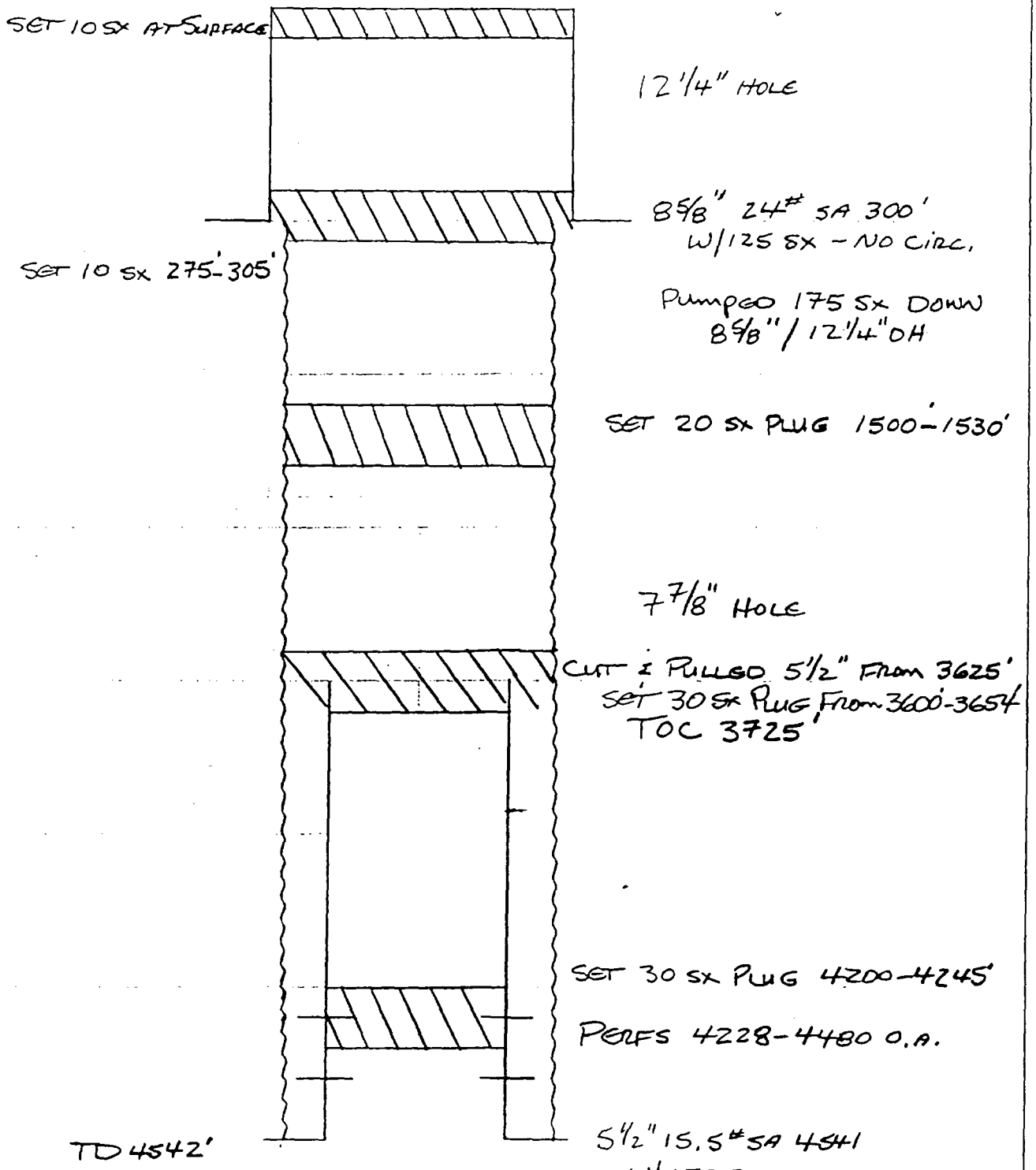


FORM 3081-S 1-79

PHILLIPS STATE #9

28"0"-17S-32E

12/12/57



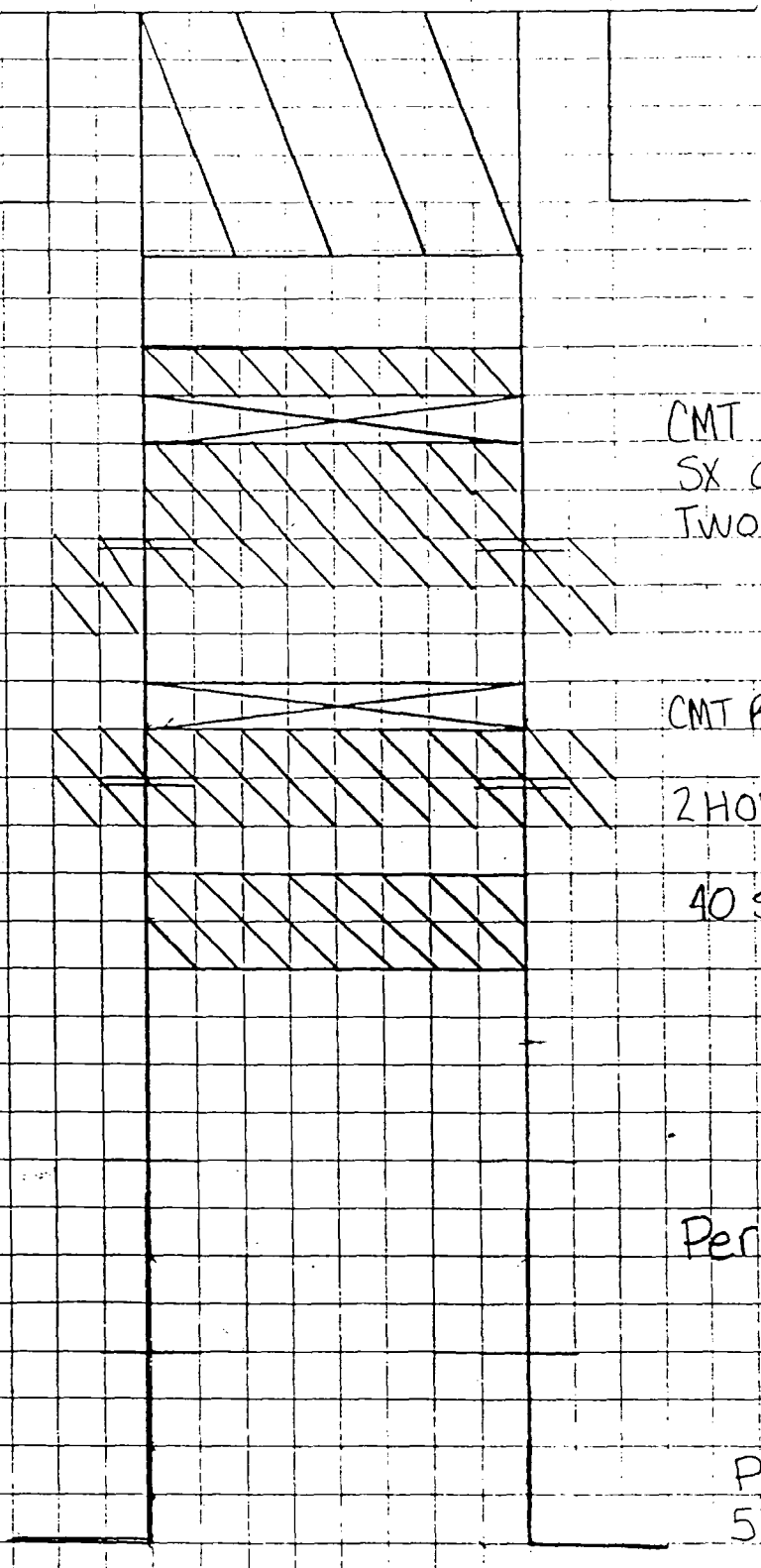
P & A 3/58

A 6/29/94

Cities Service Oil + Gas Corp.

SMGSAU Tract 5 #10

990'FNL + 2310'FEL, Unit B, Section 29-17S-33E



8 5/8" SA 289'
w/ 200 sx - circ.
38 sx 3716' - surface

CMT Retainer @ 1127' w/ 20 sx on top
Two holes @ 1250'

CMT RETAINER @ 2568'

2 HOLES @ 2685'

40 sx 3202' - 2802'

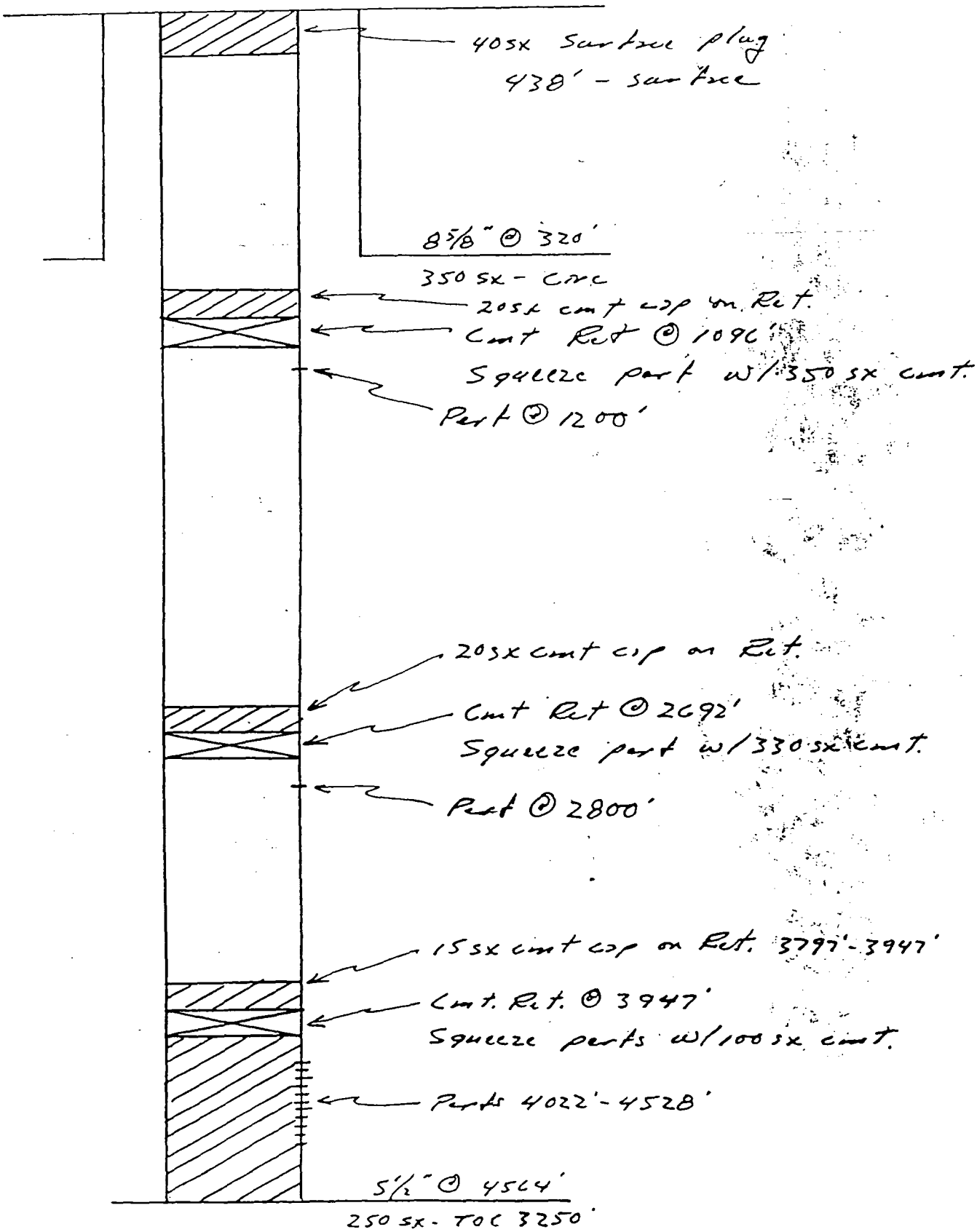
Perf 4110-4440

PBTD 4482'
5 1/2 SA 4497 w/ 250 sx

TD 4499'
P+A 6-15-83

Well Name: CITIES SERVICE SMGSAU #8

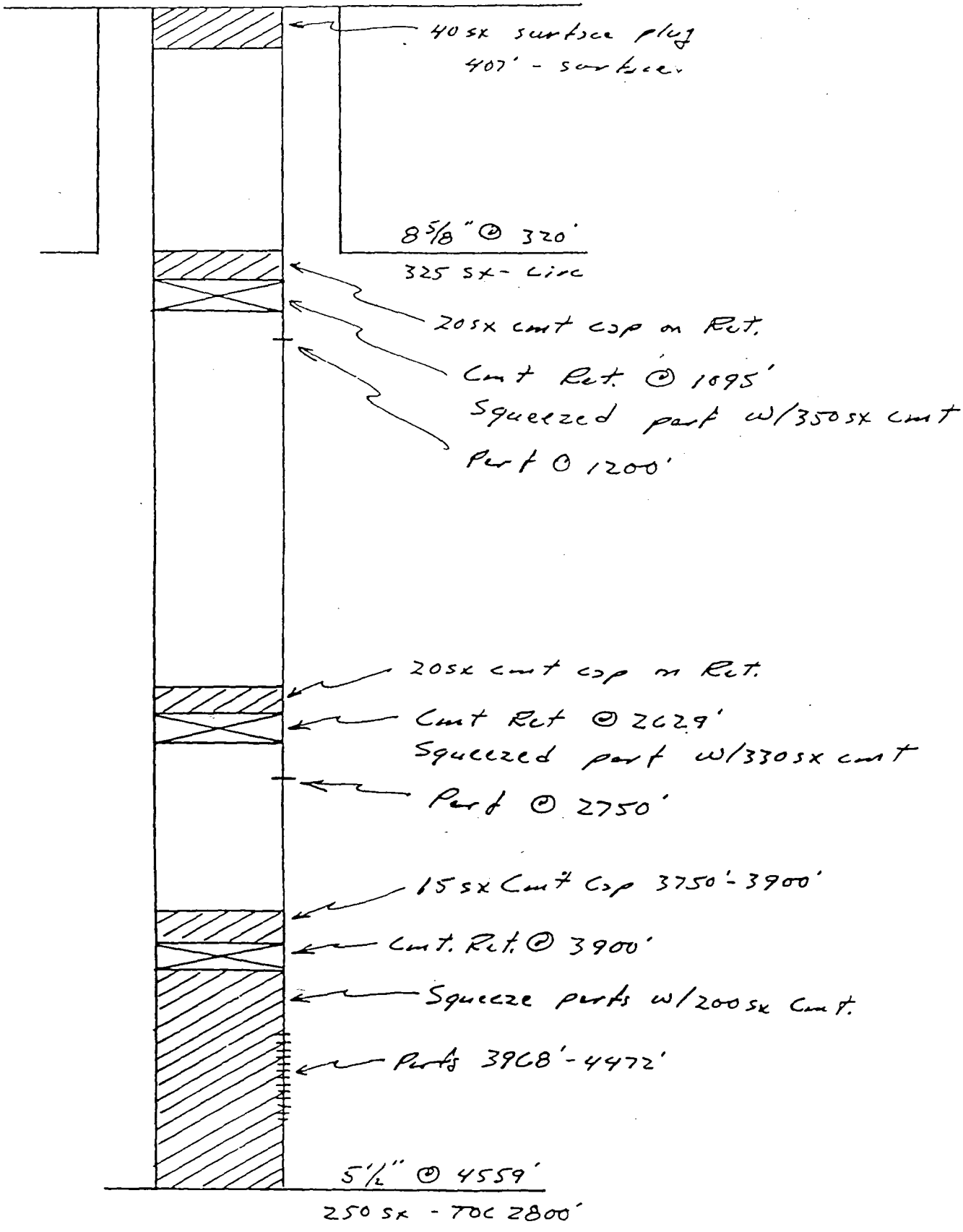
Date P & A: Apr 1983



TD 4565'

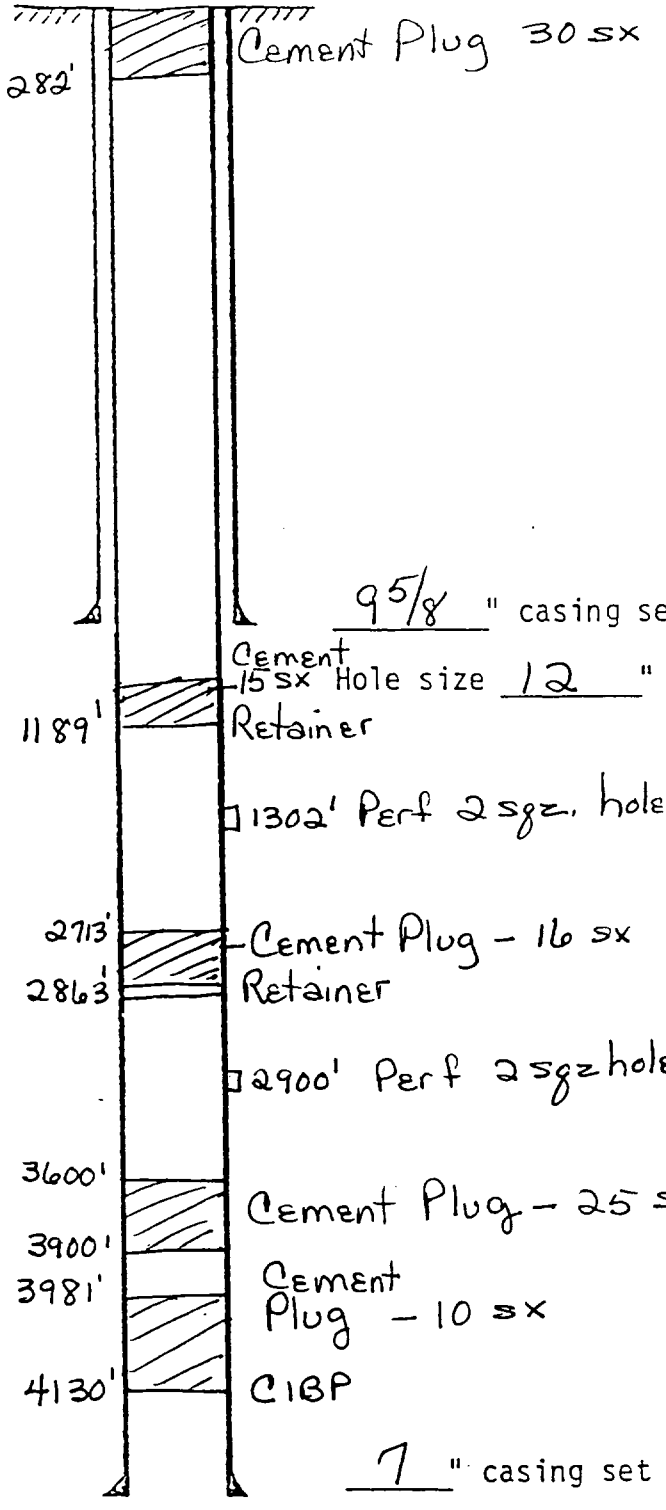
Well Name: CITIES SERVICE SMGSAU # 7

Date P & A: Apr 1983



TD 4560'

OPERATOR			DATE
Cities Service Oil & Gas Corp.			P&A
LEASE	WELL No.	LOCATION	
B-2229 SMGSAU Tr 5	4	1980' FNL, 1980' FEL, Unit G Sec. 29, 17S-33E	



9 5/8 " casing set at 1300 ' with 700 sx of _____ ceme

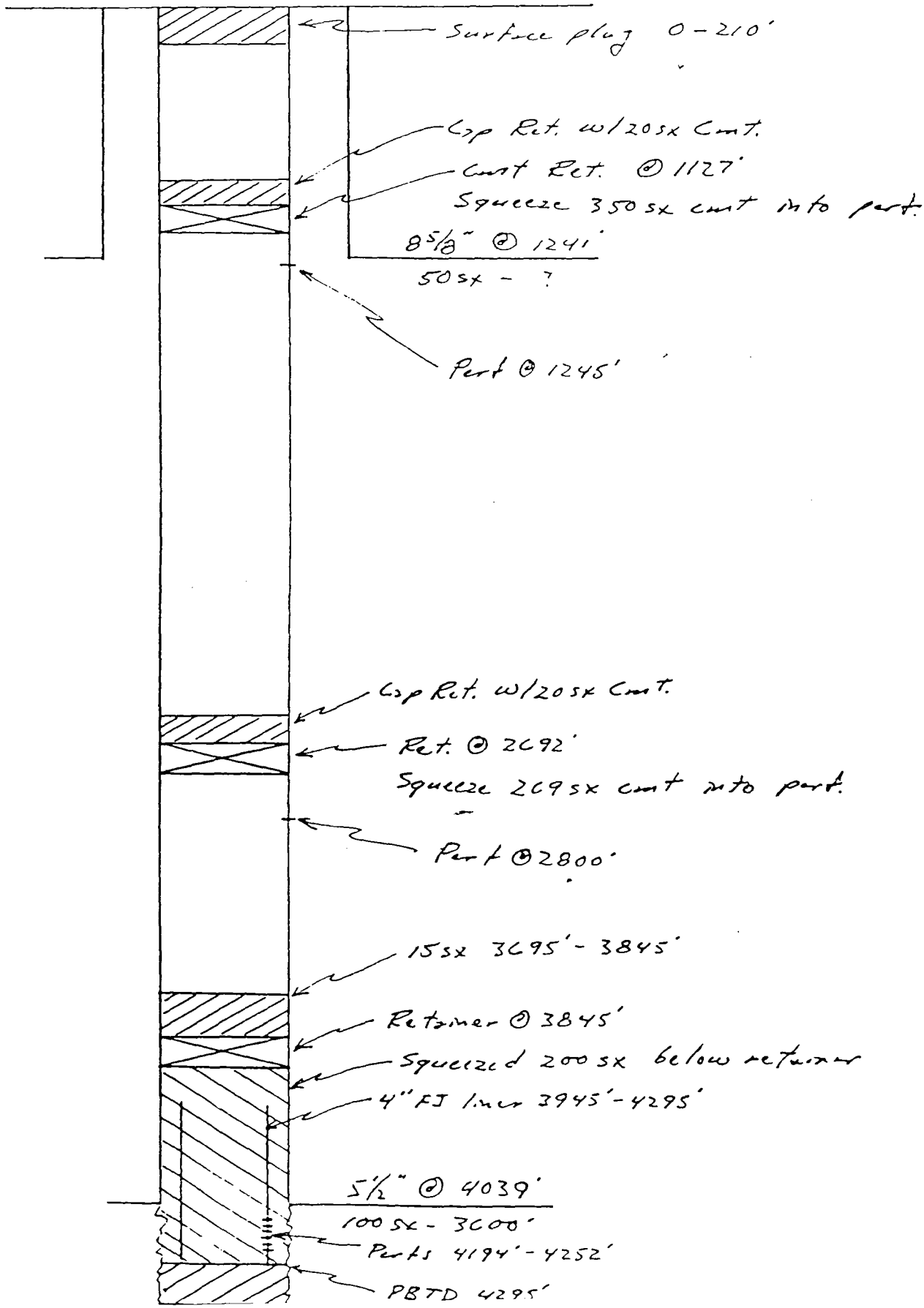
Hole size 12 "

7 " casing set at 4025 ' with 250 sx of _____ ce

Total Depth 4440 ' Hole size 9 5/8 "

Well Name: CITIES SERVICE SMGSAU # 4

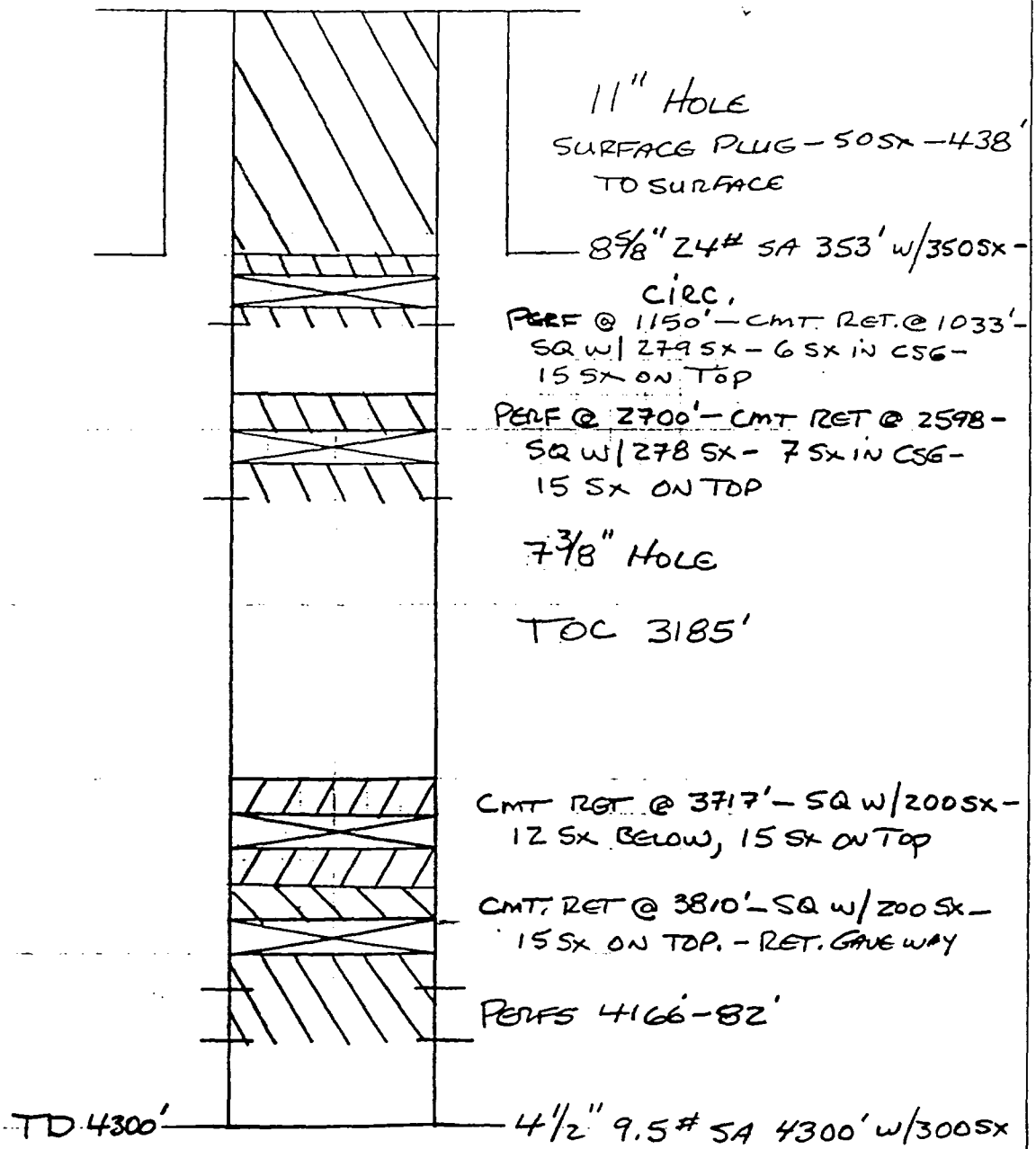
Date P & A: Jun 1983



CITIES SERVICE SMGSAU # 5

30"B" – 17S – 33E

5/1/67

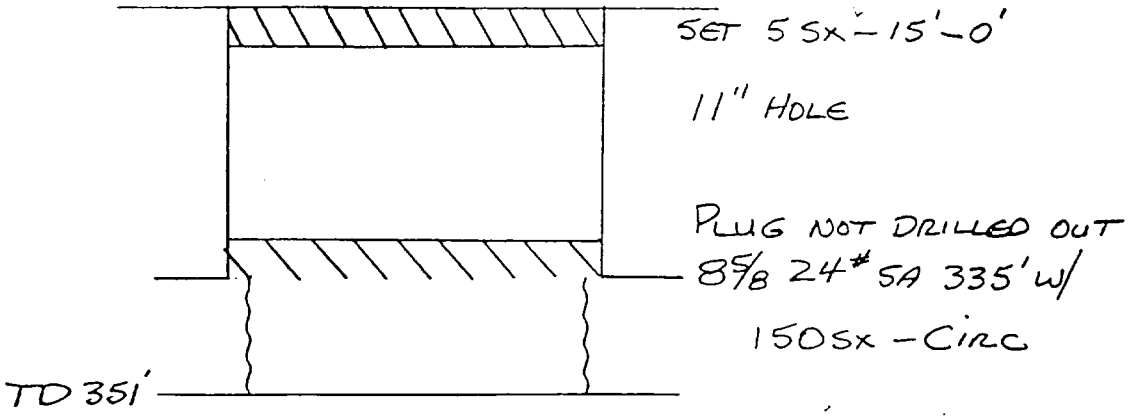


P & A 6/83

11/1/94

ZAPATA • PHILLIPS FED'L #2

33"B"-17S-33E



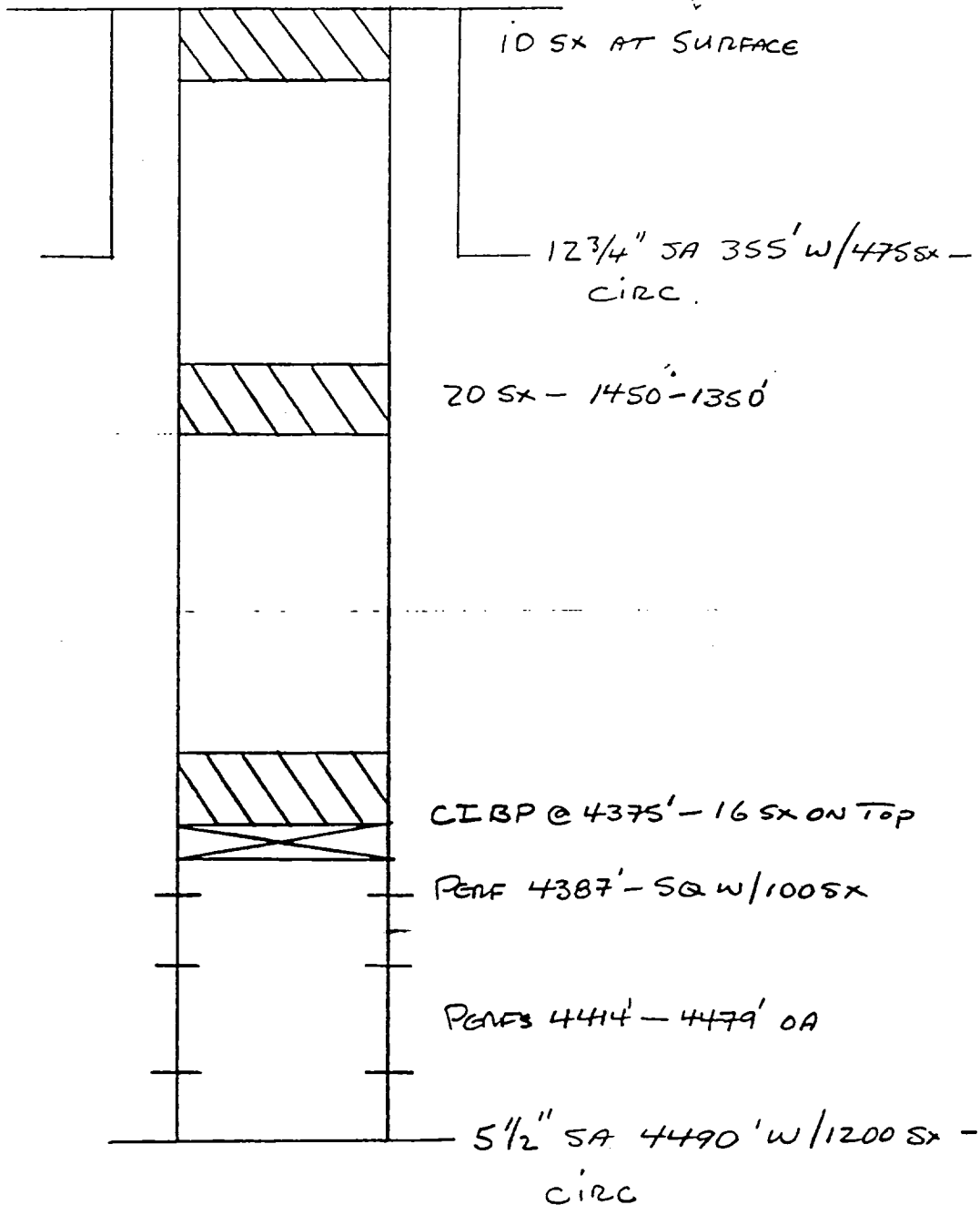
P&A 1/20/58

7/15/94

PENNZOIL PHILLIPS FED'L #4

33"B"-175-33E

5/20/78



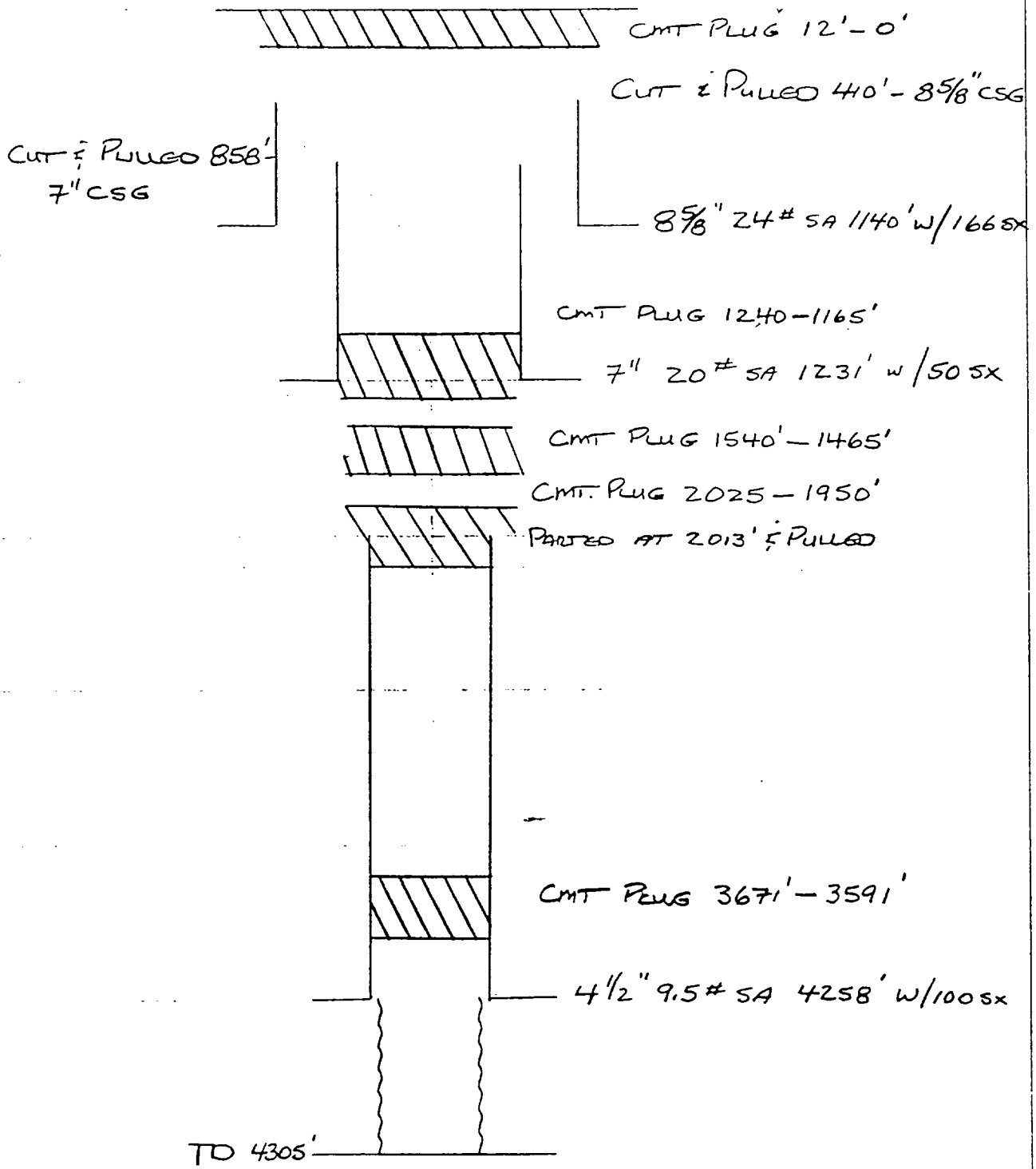
P&A 8/12/80

N 7/5/94

DENIUS WYATT PHILLIPS FED #5.

33"C" – 175 – 33E

1/28/55



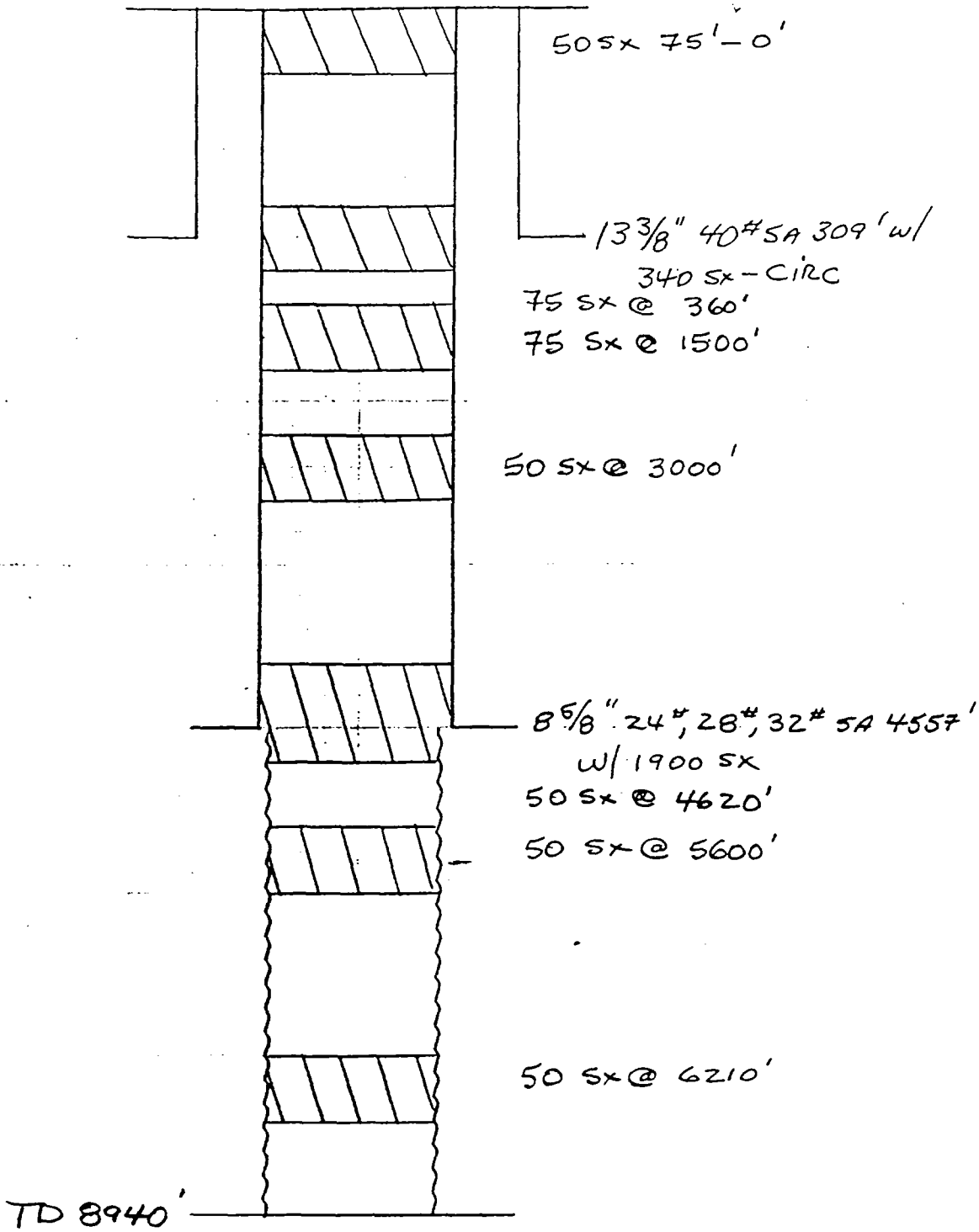
P&A 11/24/59

H 7/5/94

PHILLIPS COCKBURN FEDERAL #1

33 "I" - 17S - 33E

4/20/61

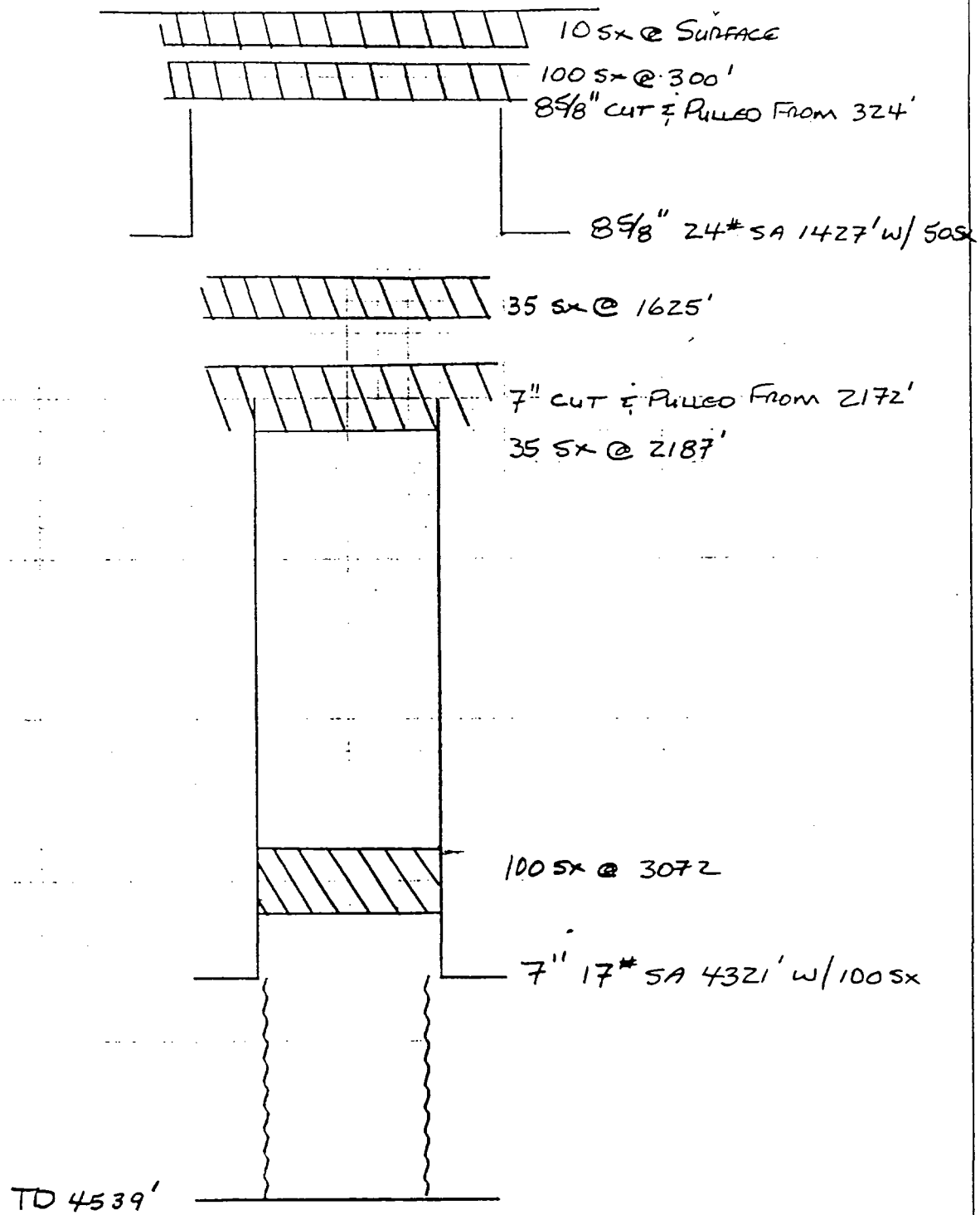


P & A 2/12/85

7/1/94

TARGET COCKBURN FED'L #3

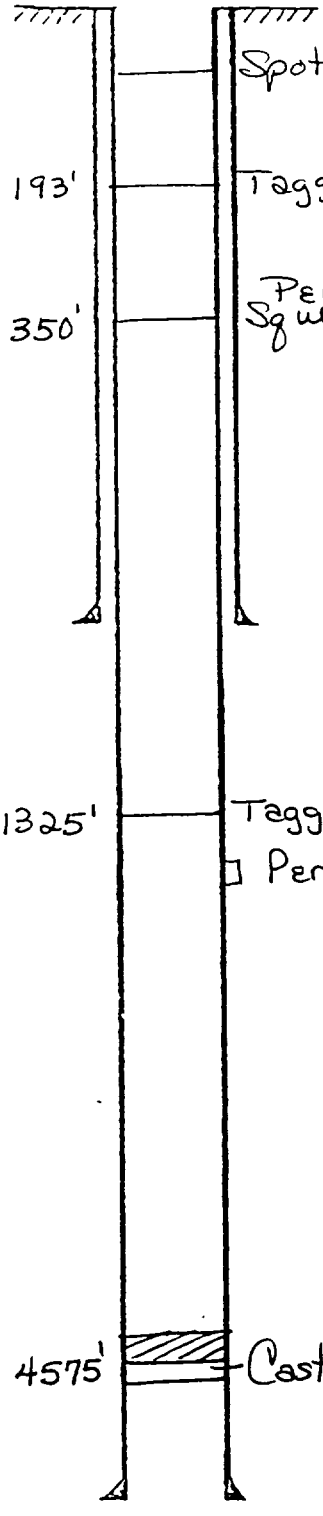
33"J"-17S-33E



P & A 10/7/74

A 7/5/94

OPERATOR			DATE
Crawley & Pepper			P & A 5-12-90
LEASE	WELL No.	LOCATION	
NM-04242 Denius Federal	10	2310' FSL, 2117' FWL, Unit K Sec. 33, 17S-33E	



Spot 50' surface Plug

193' — Tagged top of plug

350' — Perf Squeeze / 50 sx

11 3/4 " casing set at 314 ' with 275 sx of _____ cemer

Hole size ? "

1325' — Tagged Top of Plug

Perf 1400' - squeez/50 sx

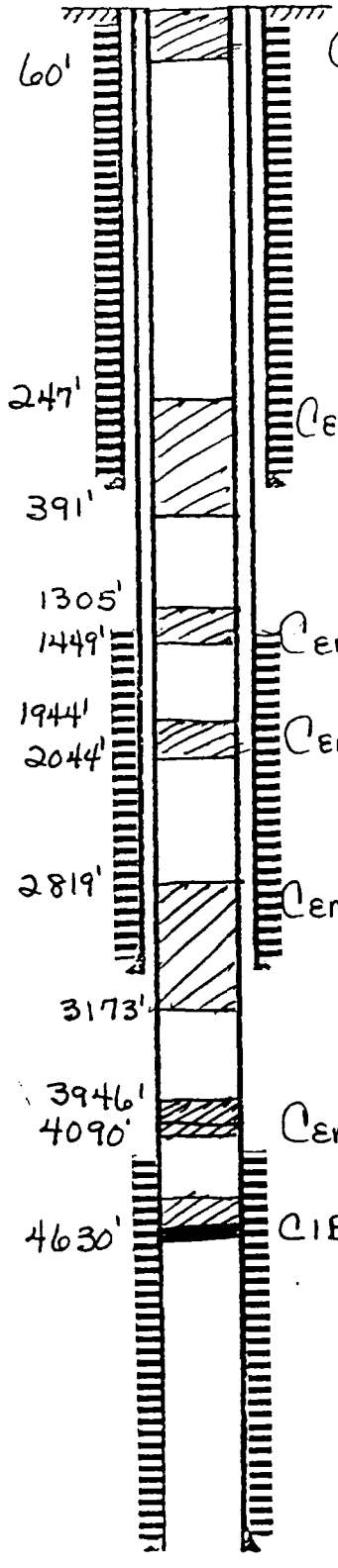
Left all 4 1/2" casing in hole.

4575' — Cast Iron Bridge Plug - 14 sx

4 1/2 " casing set at 4710 ' with 1200 sx of _____ cer

Total Depth 4710 ' Hole size ? "

OPERATOR			DATE
Oxy USA Inc.			P+A 11-22-88
LEASE	WELL No.	LOCATION	
LC-062391 Wyatt-A Federal	4	990' FSL, 1650' FEL, Unit O Sec. 33, T17S-R33E	



60'

Cement Surface Plug - 18 sx

247'

391'

Cement Plug - 40 sx

13 3/8 " casing set at 310 ' with 340 sx of _____ cement

Hole size ? "

1305'

1449'

Cement Plug - 40 sx.
across Top of Salt Zone

1944'

2044'

Cement Plug - 17 sx

2819'

Cement Plug - 25 sx

8 5/8 " casing set at 3105 ' with 3105 sx of _____ cement

3173'

Hole size ? "

3946'

4090'

Cement Plug - 10 sx
across Top of Queen Fm.

4630'

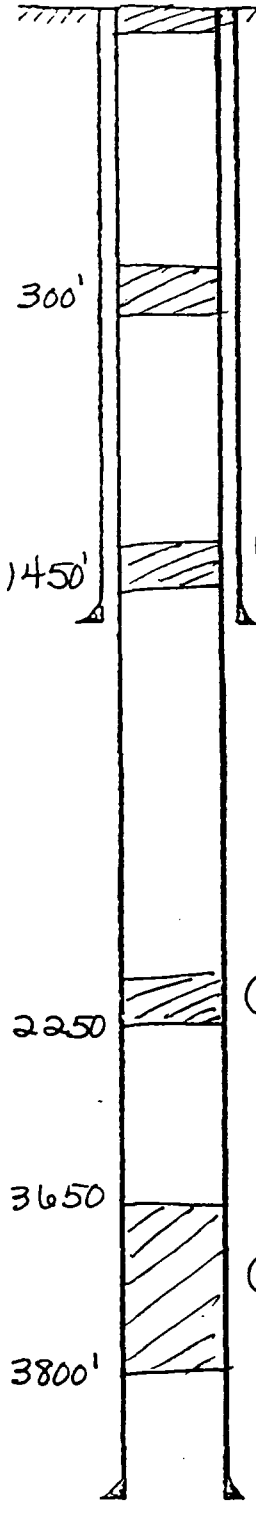
CIBP - 2 sx

4 1/2 " casing set at 8790 ' with 1325 sx of _____ cement

Total depth 8797 ' Hole size ? "

OPERATOR			DATE
Target Prod. Co.			P+A 4-26-74
LEASE	WELL No.	LOCATION	
NM801 Wyatt Phillips #2	9	990' FNL, 660' FWL, Unit C	

Sec. 34, 17S-33E



8 " casing set at 1453 ' with 50 sx of _____ ceme

Hole size ? "

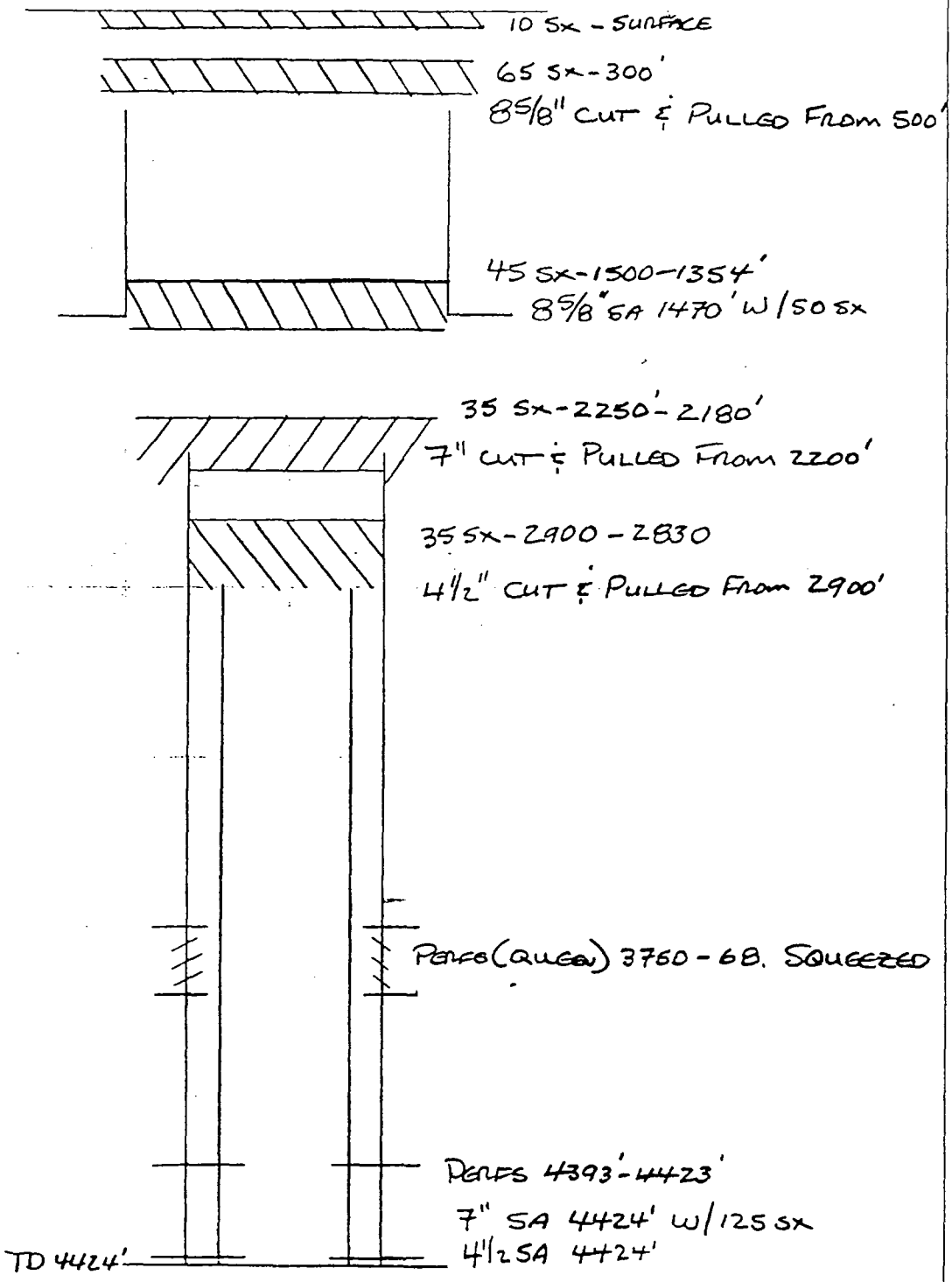
7 " casing set at 3787 ' with 100 sx of _____ ce

Total Depth 4523 ' Hole size ? "

TARGET WYATT PHILLIPS #8

34"D"-17S-33E

5/15/54

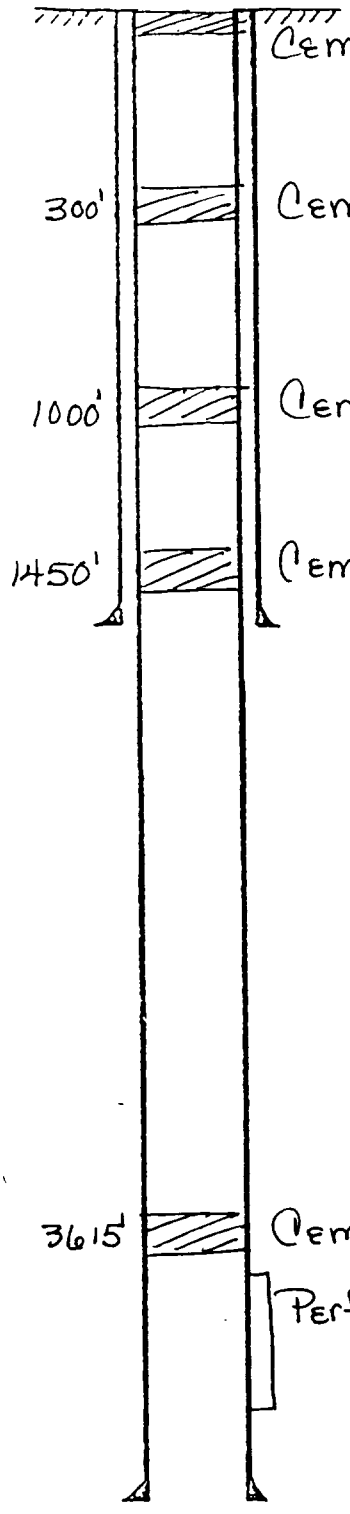


P&A 11/29/73

4 7/5/94

OPERATOR			DATE
Target Production Company			P+A 4-26-74
LEASE		WELL No.	LOCATION
NM-801	Wyatt Phillips	1	2310' FNL, 330' FWL, Unit E

Sec. 34, 17S-33E



Cement Plug - 10 sx

300' Cement Plug - 65 sx

1000' Cement Plug - 35 sx

1450' Cement Plug - 45 sx

8 5/8 " casing set at 1452 ' with 50 sx of _____ ceme

Hole size ? "

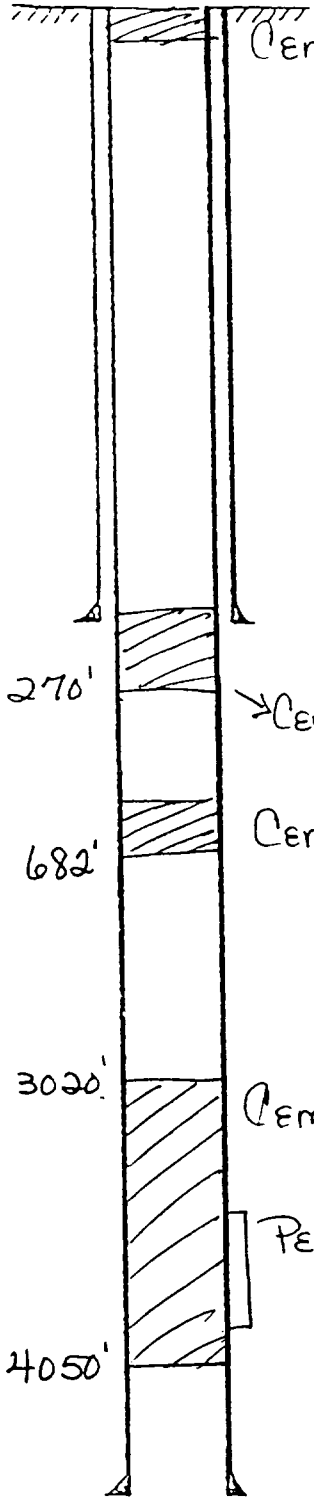
3615' Cement Plug - 25 sx

Perfs: 3745 - 3751'
3763 - 3781'

7 " casing set at 3782 ' with 135 sx of _____ ce

Total Depth 3792 ' Hole size ? "

OPERATOR			DATE
Target Prod. Co.			P+A 4-26-74
LEASE	WELL No.	LOCATION	
nm-801 Wyatt Phillips	11	1980' FNL; 660' FWL, Unit E Sec. 34, 17S-33E	



8 5/8" casing set at 207' with 75 sx of _____ ceme

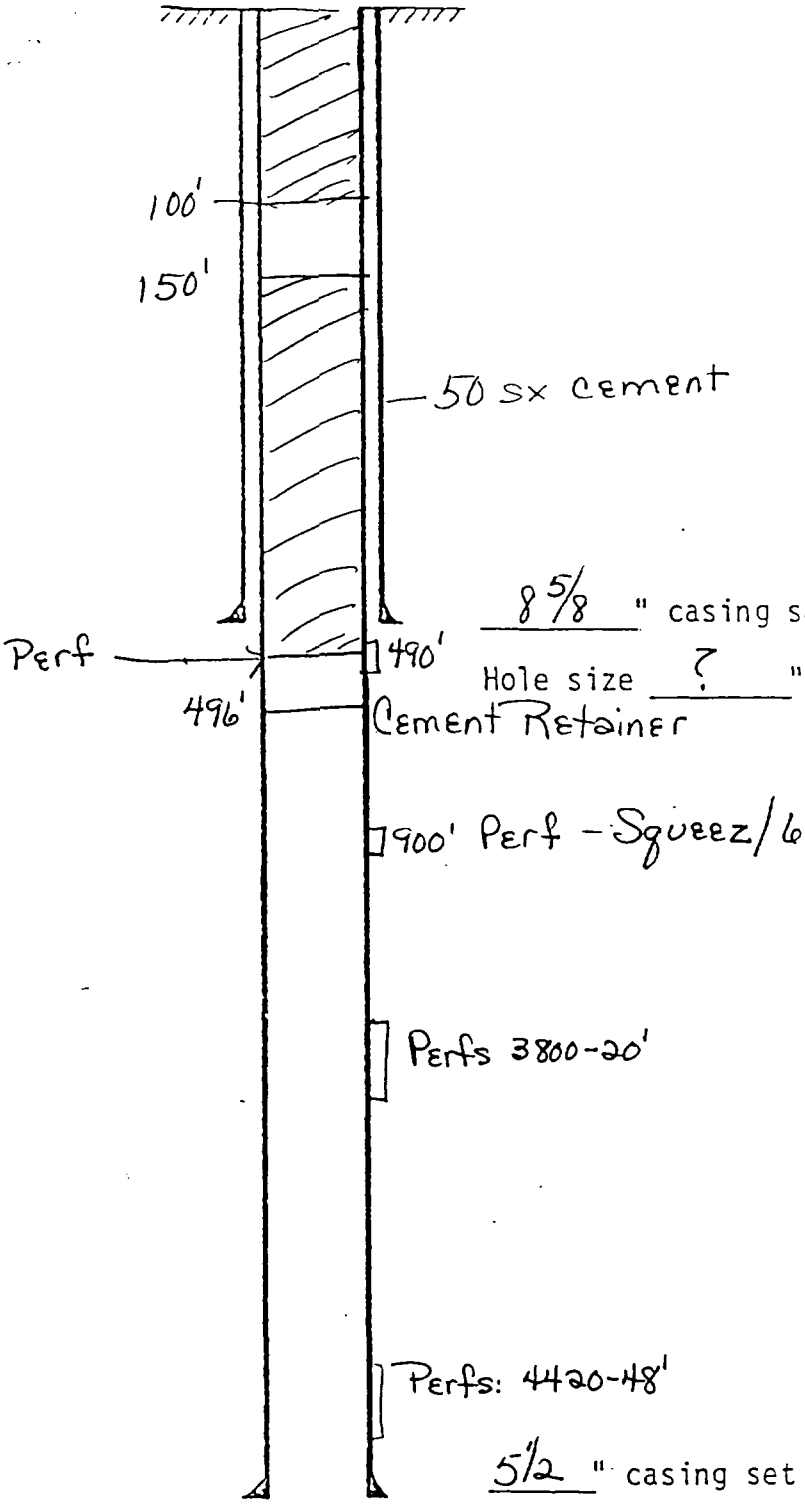
Hole size ? "

5½" casing set at 4998' with 700 sx of _____ ce

Total Depth 5170' Hole size ? "

OPERATOR			DATE
M+W of Lovington, Inc.			P+A 2-6-90
LEASE		WELL No.	LOCATION
nm-04242	Cockburn Federal	8	2310 FSL, 330' FWL, Unit L

Sec. 34, 17S-33E



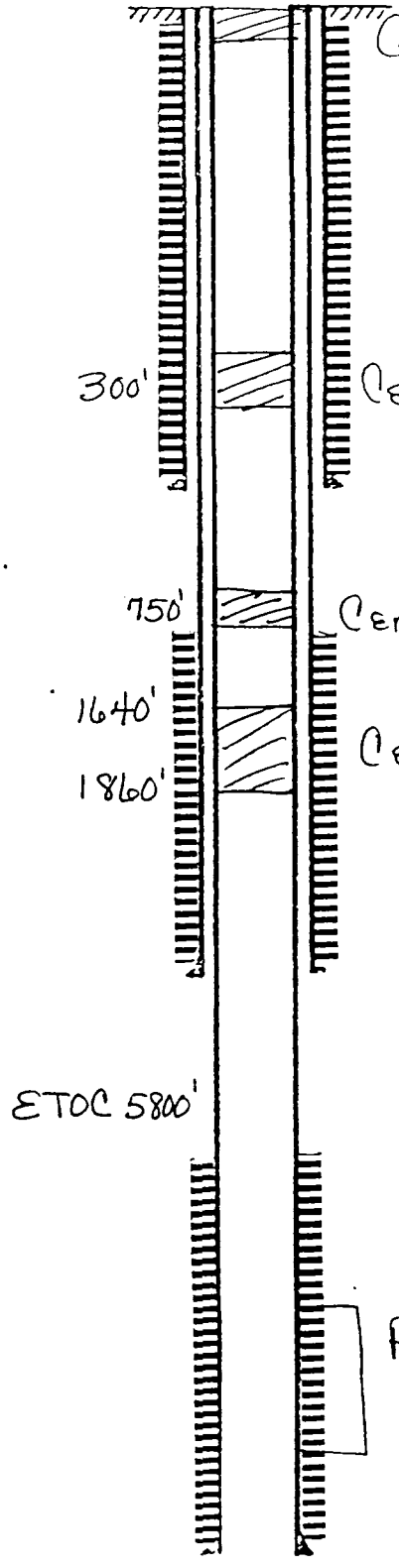
8 5/8 " casing set at 222 ' with 75 sx of _____ cemer

Hole size ? "

5 1/2 " casing set at 4344 ' with 600 sx of _____ cer

Total Depth 4807 ' Hole size ? "

OPERATOR			DATE
Target Production Co.			P+A 4-26-74
LEASE	WELL No.	LOCATION	
LC-060967 Wyatt Phillips	12	2310' FNL, 1879' FWL, Unit F Sec. 34, 17S-33E	



13 3/8 " casing set at 343 ' with 350 sx of _____ cement

Hole size 17 3/4 "

8 5/8 " casing set at 4595 ' with 600 sx of _____ cement

Hole size 11 "

5 1/2 " casing set at 8871 ' with 377 sx of _____ cement

Total depth 8873 ' Hole size ? "

CMU (Produced) Water

Exhibit VII-A-1

Permian Treating Chemicals

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Wiser Oil Co.**
Lease : **CMU Battery 'A'**
Well No.: **Water Transfer Pump**
Salesman:

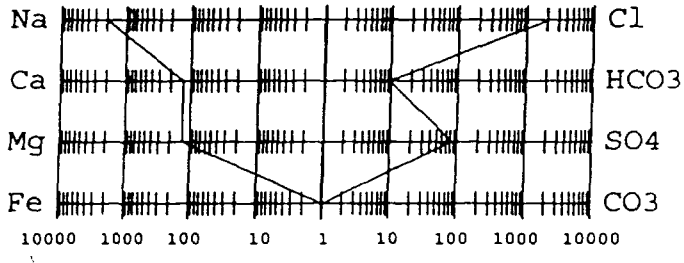
Sample Loc. :
Date Reported: **30-May-1996**
Date Sampled : **30-May-1996**

ANALYSIS

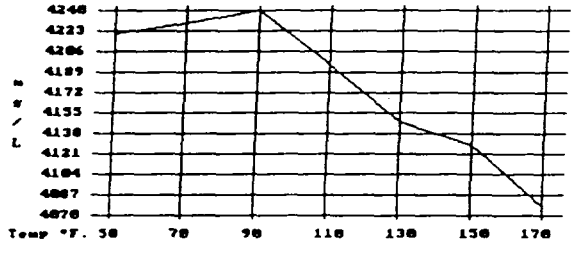
1.	pH			6.900	
2.	Specific Gravity 60/60 F.			1.092	
3.	$CaCO_3$ Saturation Index	@ 80 F.		+0.459	
		@ 140 F.		+1.339	

				MG/L		EQ. WT.		*MEQ/L
Dissolved Gasses								
4.	Hydrogen Sulfide			60				
5.	Carbon Dioxide			130				
6.	Dissolved Oxygen			0.4				
Cations								
7.	Calcium	(Ca^{++})		2,505	/	20.1	=	124.63
8.	Magnesium	(Mg^{++})		1,520	/	12.2	=	124.59
9.	Sodium	(Na^{+})	(Calculated)	44,953	/	23.0	=	1,954.48
10.	Barium	(Ba^{++})		Not Determined				
Anions								
11.	Hydroxyl	(OH^{-})		0	/	17.0	=	0.00
12.	Carbonate	($CO_3^{=}$)		0	/	30.0	=	0.00
13.	Bicarbonate	(HCO_3^{-})		561	/	61.1	=	9.18
14.	Sulfate	($SO_4^{=}$)		3,900	/	48.8	=	79.92
15.	Chloride	(Cl^{-})		74,983	/	35.5	=	2,112.20
16.	Total Dissolved Solids			128,422				
17.	Total Iron (Fe)			1	/	18.2	=	0.05
18.	Total Hardness As $CaCO_3$			12,511				
19.	Resistivity @ 75 F. (Calculated)			0.060 /cm.				

LOGARITHMIC WATER PATTERN
***meq/L.**



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X	*meq/L	=	mg/L.
$Ca(HCO_3)_2$	81.04		9.18		744
$CaSO_4$	68.07		79.92		5,440
$CaCl_2$	55.50		35.53		1,972
$Mg(HCO_3)_2$	73.17		0.00		0
$MgSO_4$	60.19		0.00		0
$MgCL_2$	47.62		124.59		5,933
$NaHCO_3$	84.00		0.00		0
$NaSO_4$	71.03		0.00		0
NaCl	58.46		1,952.08		114,119

***Milli Equivalents per Liter**

This water is slightly corrosive due to the pH observed on analysis.
The corrosivity is increased by the content of mineral salts, and the presence of H2S, CO2, Oxygen in solution.

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APPLICATION FOR AUTHORIZATION TO INJECT

VII. PROPOSED OPERATION

1. Average Daily Rate of Fluids to be Injected: 175 BWPD
   Maximum Daily Rate of Fluids to be Injected: 250 BWPD

2. This is to be a closed injection system.

3. Average Injection Pressure: 500 psi
   Maximum Injection Pressure; 920 psi

4. Injection fluid will be obtained from the following sources:

   Produced water: Water Analysis Reports on water produced from Batteries A & B of the Caprock Maljamar Unit, as prepared by Joe Hughes of Permian Treating Chemicals, are attached as Exhibit VII-A. The data contained therein is representative of water produced across the entire unit.

   Extraneous Water: A Water Analysis Report on extraneous water to be obtained from Double Eagle (City of Carlsbad), as prepared by Joe Hughes of Permian Treating Chemicals, is attached as Exhibit VII-B.

   The Wiser Oil Company will use water from Double Eagle temporarily until water from Conoco has been secured and tied in. At that time, The Wiser Oil Company will provide a Conoco water analysis.

CMU PRODUCED WATER Exhibit XII-A-

Permian Treating Chemicals

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Wiser Oil Co.**
Lease : **CMU Battery 'B'**
Well No.: **Water Transfer Pump**
Salesman:

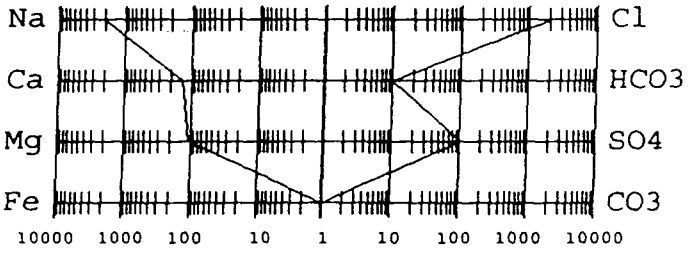
Sample Loc. :
Date Reported: **30-May-1996**
Date Sampled : **30-May-1996**

ANALYSIS

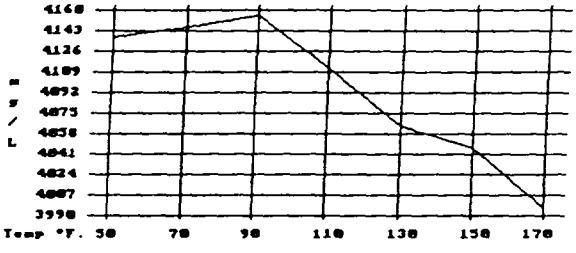
1.	pH			6.500	
2.	Specific Gravity 60/60 F.			1.091	
3.	$CaCO_3$ Saturation Index	@ 80 F.		+0.095	
		@ 140 F.		+0.975	

	Dissolved Gasses			MG/L	EQ. WT.	*MEQ/L
4.	Hydrogen Sulfide			60		
5.	Carbon Dioxide			150		
6.	Dissolved Oxygen			0.6		
	Cations					
7.	Calcium	(Ca^{++})		2,605	/ 20.1 =	129.60
8.	Magnesium	(Mg^{++})		1,276	/ 12.2 =	104.59
9.	Sodium	(Na^{+})	(Calculated)	45,740	/ 23.0 =	1,988.70
10.	Barium	(Ba^{++})		Not Determined		
	Anions					
11.	Hydroxyl	(OH^{-})		0	/ 17.0 =	0.00
12.	Carbonate	($CO_3^{=}$)		0	/ 30.0 =	0.00
13.	Bicarbonate	(HCO_3^{-})		586	/ 61.1 =	9.59
14.	Sulfate	($SO_4^{=}$)		4,800	/ 48.8 =	98.36
15.	Chloride	(Cl^{-})		74,983	/ 35.5 =	2,112.20
16.	Total Dissolved Solids			129,990		
17.	Total Iron (Fe)			2	/ 18.2 =	0.08
18.	Total Hardness As $CaCO_3$			11,760		
19.	Resistivity @ 75 F. (Calculated)			0.059 /cm.		

LOGARITHMIC WATER PATTERN
***meq/L.**



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X *meq/L =	mg/L
$Ca(HCO_3)_2$	81.04	9.59	77
$CaSO_4$	68.07	98.36	6,69
$CaCl_2$	55.50	21.65	1,20
$Mg(HCO_3)_2$	73.17	0.00	
$MgSO_4$	60.19	0.00	
$MgCL_2$	47.62	104.59	4,98
$NaHCO_3$	84.00	0.00	
$NaSO_4$	71.03	0.00	
NaCl	58.46	1,985.96	116,09

***Milli Equivalents per Liter**

This water is slightly corrosive due to the pH observed on analysis.
The corrosivity is increased by the content of mineral salts, and the presence of H2S, CO2, Oxygen in solution.

DUPL EAGLE FRESH (CITRANTOR) WATER

Exhibit VII-B

Permian Treating Chemicals

WATER ANALYSIS REPORT

SAMPLE

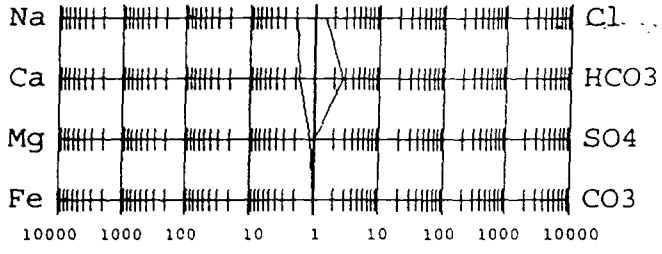
Oil Co. : **Wiser Oil Co.**
Lease : **North Plant**
Well No.: **Fresh Water**
Salesman:

Sample Loc. :
Formation : **06-June-1996**
Date Analyzed: **06-June-1996**

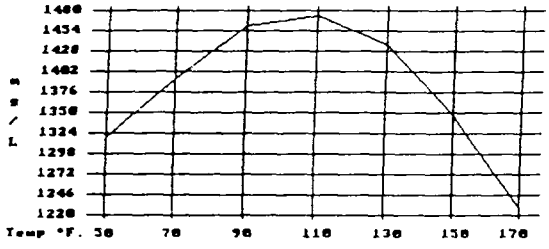
ANALYSIS

1.	pH		7.760		
2.	Specific Gravity 60/60 F.		1.008		
3.	$CaCO_3$ Saturation Index	@ 80 F.	+0.429		
		@ 140 F.	+1.029		
	Dissolved Gasses		**MG/L**	**EQ. WT.**	***MEQ/L**
4.	Hydrogen Sulfide		Not Present		
5.	Carbon Dioxide		Not Determined		
6.	Dissolved Oxygen		Not Determined		
	Cations				
7.	Calcium	(Ca^{++})	33	/ 20.1 =	1.64
8.	Magnesium	(Mg^{++})	13	/ 12.2 =	1.07
9.	Sodium	(Na^{+}) (Calculated)	42	/ 23.0 =	1.83
10.	Barium	(Ba^{++})	Below 10 (1)		
	Anions				
11.	Hydroxyl	(OH^{-})	0	/ 17.0 =	0.00
12.	Carbonate	($CO_3^{=}$)	0	/ 30.0 =	0.00
13.	Bicarbonate	(HCO_3^{-})	161	/ 61.1 =	2.64
14.	Sulfate	($SO_4^{=}$)	23	/ 48.8 =	0.47
15.	Chloride	(Cl^{-})	50	/ 35.5 =	1.41
16.	Total Dissolved Solids		322		
17.	Total Iron (Fe)		1	/ 18.2 =	0.05
18.	Total Hardness As $CaCO_3$		138		
19.	Resistivity @ 75 F. (Calculated)		2.310 /cm.		

LOGARITHMIC WATER PATTERN
***meq/L.**



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X *meq/L =	mg/L.
$Ca(HCO_3)_2$	81.04	1.64	133
$CaSO_4$	68.07	0.00	0
$CaCl_2$	55.50	0.00	0
$Mg(HCO_3)_2$	73.17	0.99	73
$MgSO_4$	60.19	0.07	4
$MgCL_2$	47.62	0.00	0
$NaHCO_3$	84.00	0.00	0
$NaSO_4$	71.03	0.40	28
NaCl	58.46	1.41	82

***Milli Equivalents per Liter**

This water is mildly corrosive due to the pH observed on analysis.
The corrosivity is increased by the content of mineral salts in solution.

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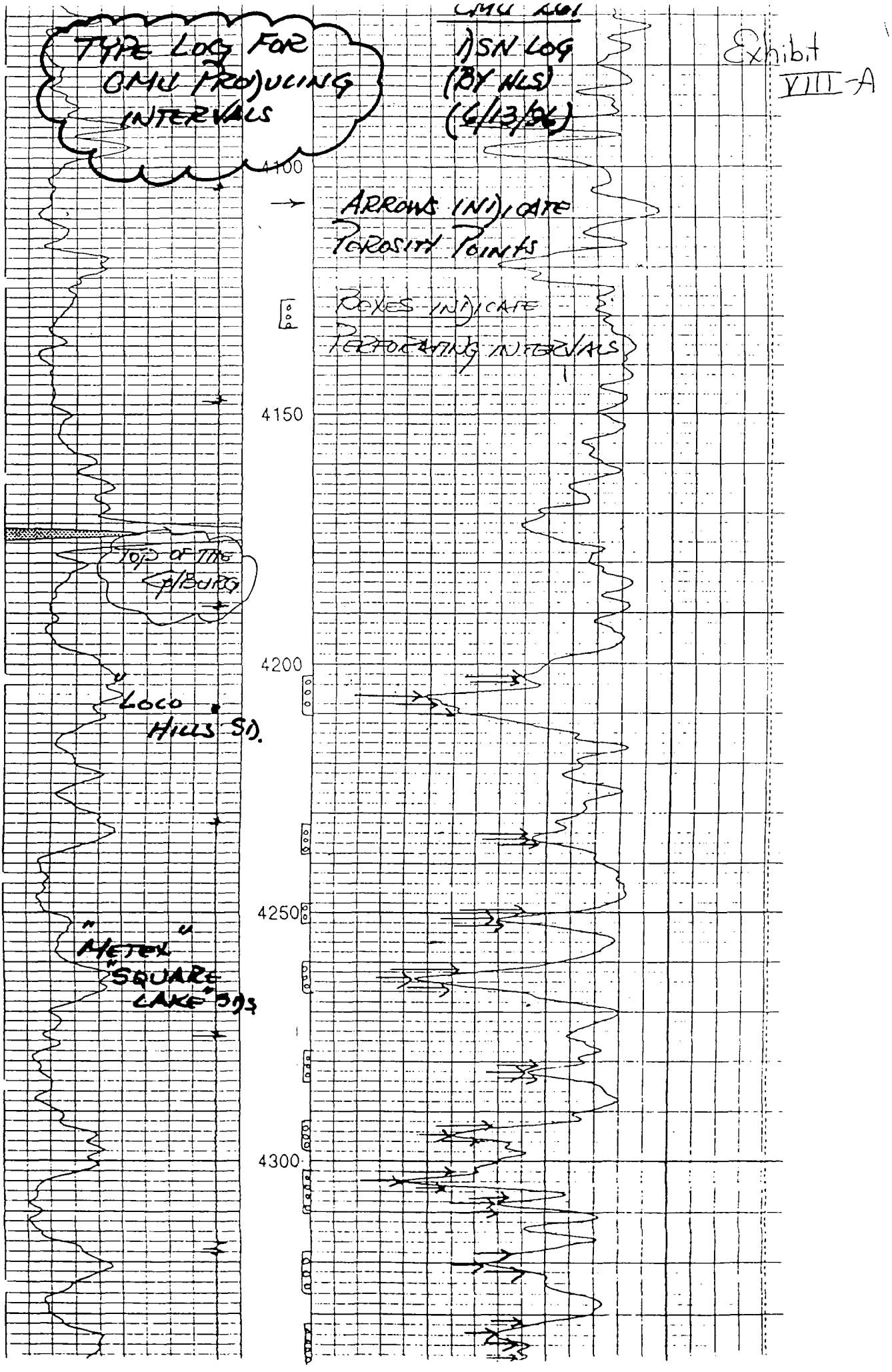
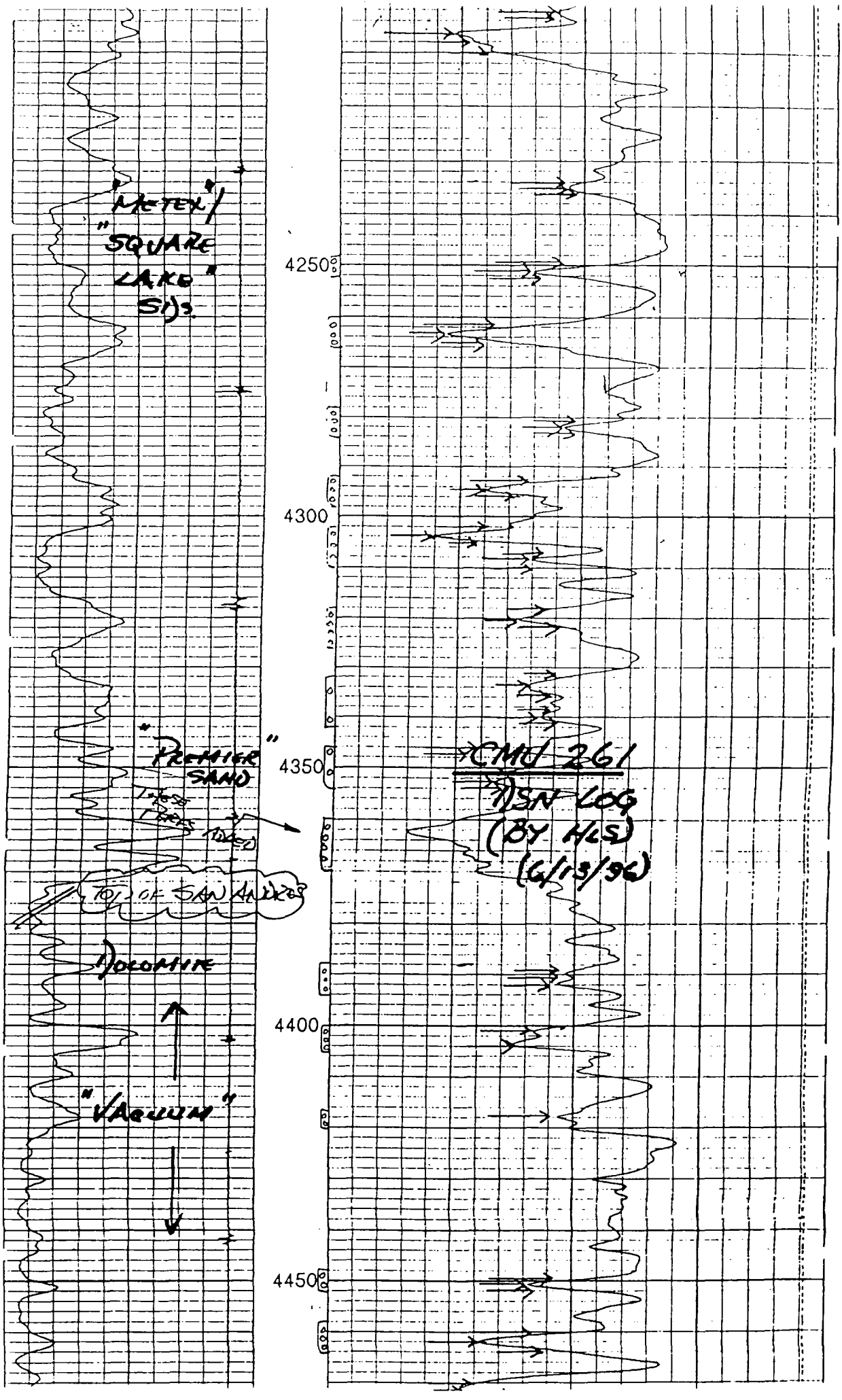
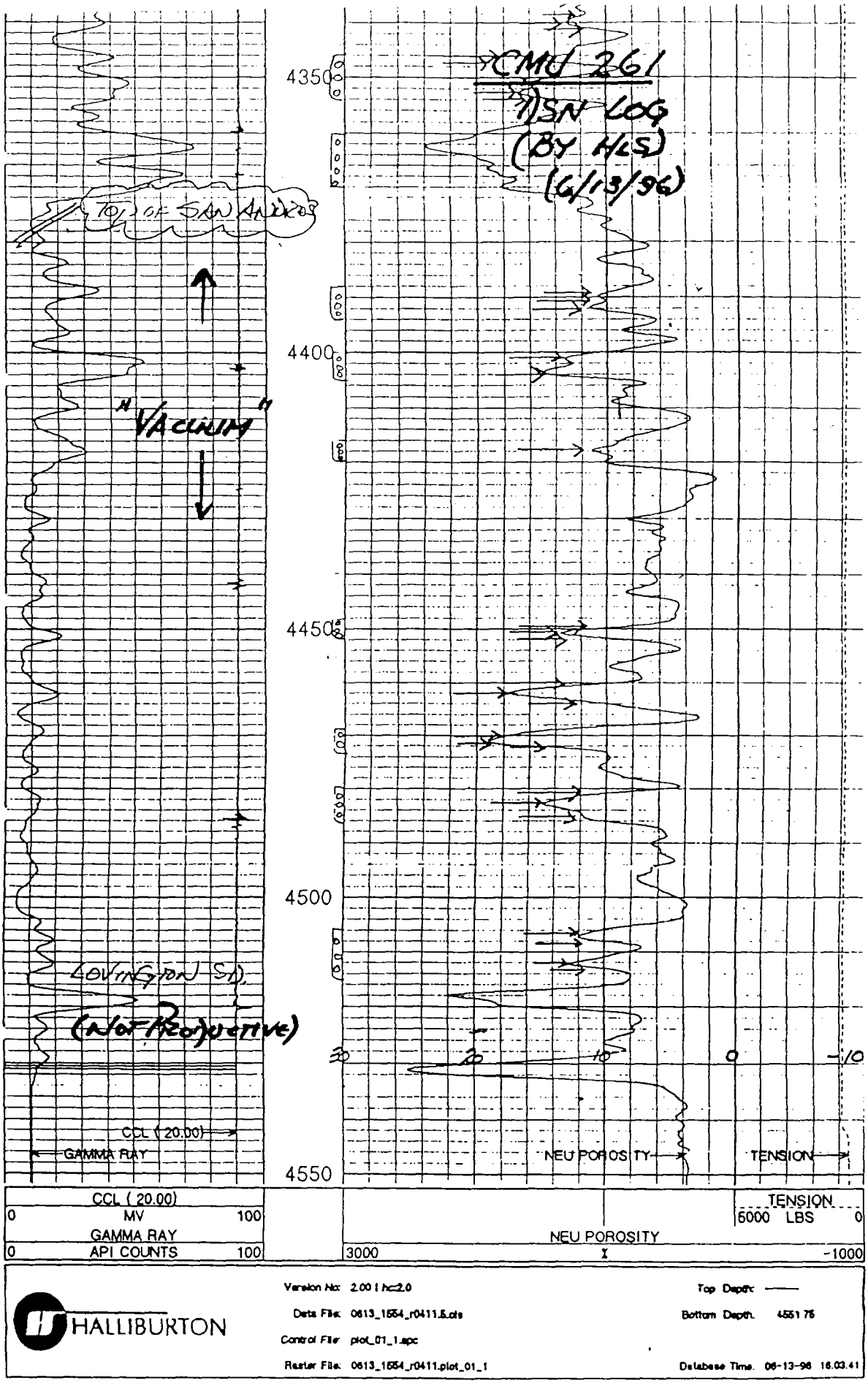
VIII. GEOLOGICAL DATA

The proposed injection interval is in the Grayburg-San Andres formations at depths of 3900 to 5500 feet. The Grayburg formation primarily consists of quartz sands with dolomitic cementation; while, the San Andres formation primarily consists of dolomite with intermingled stringers of quartz sand with dolomitic cementation. The surface formation is Cretaceous and has no known sources of drinking water. The Ogallala aquifer and the Caprock overlies the northeastern portion of the Unit Area; while there are no known sources of drinking water underlying the injection interval.

Attached, as Exhibits VIII-A and VIII-B, are two Type Logs illustrating geology, lithology, thickness, and depths.


TYPE LOG FOR
GMU PRODUCING
INTERVALS
GMU #61
1) SN LOG
(BY NLS)
(6/13/84)
Exhibit
VIII-A
4100
ARROWS INDICATE
POROSITY POINTS
BOXES INDICATE
PERFORATING INTERVALS
4150
Top of the
Glorieta
4200
"
LOCO
HILLS SD.
4250
"METEX"
"SQUARE
LAKE" SD.
4300


"METEX"/
"SQUARE
LAKE"
SDS.
4250
4300
4350
4400
4450
"PREMIER"
SAND
TOP OF SAN ANDRES
DOLOMITE
"VACUUM"
CMI 261
TSN LOG
(BY HLS)
(6/13/96)


CMU 261
TDSN LOG
(BY H2S)
(6/13/96)
TOP OF SAN ANDRES
"VACUUM"
LOVINGTON SD.
(NOT REQUESTIVE)
4350
4400
4450
4500
4550
CCL (20.00)
GAMMA RAY
NEU POROSITY
TENSION
CCL (20.00)
0 MV 100
GAMMA RAY
0 API COUNTS 100
NEU POROSITY
3000 -1000
TENSION
5000 LBS 0
HALLIBURTON
Version No: 2.00 | hc=2.0
Data File: 0613_1654_r0411.5.dls
Control File: plot_01_1.spc
Raster File: 0613_1654_r0411.plot_01_1
Top Depth:
Bottom Depth: 4551.75
Database Time: 06-13-96 16:03:41

TYPE LOG FOR CMU SHOWING FORMATION TOPS

Exhibit VIII-B

TYPE LOG

HALLIBURTON

GAMMA COLLAR

DSN

1

COMP. : WISER OIL COMPANY INC.
WELL : CMU #168
FIELD : MALJAMAR GRAYBURG
COUNTY: LEA ST. N.M.

COMPANY WISER OIL COMPANY INC.

WELL CMU #168

FIELD MALJAMAR GRAYBURG SAN ANDRES

COUNTY LEA STATE N.M.

API NO. 30-025-32927 OTHER SERVICES

LOCATION :

48'FSL & 152' FWL CBL,PERF.

UNIT LETTER M

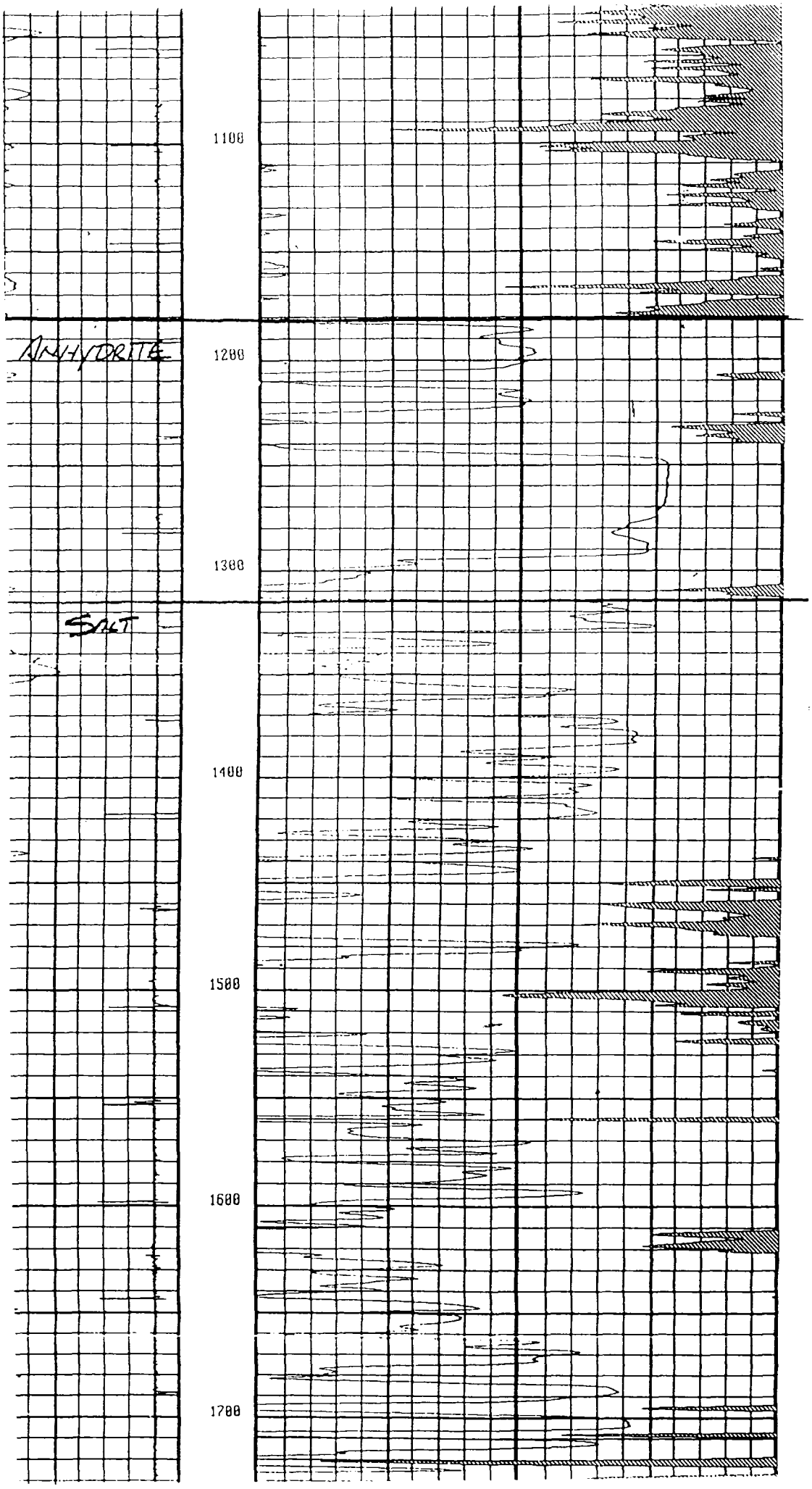
SEC. 18 TWP. 17-S RGE. 33-E

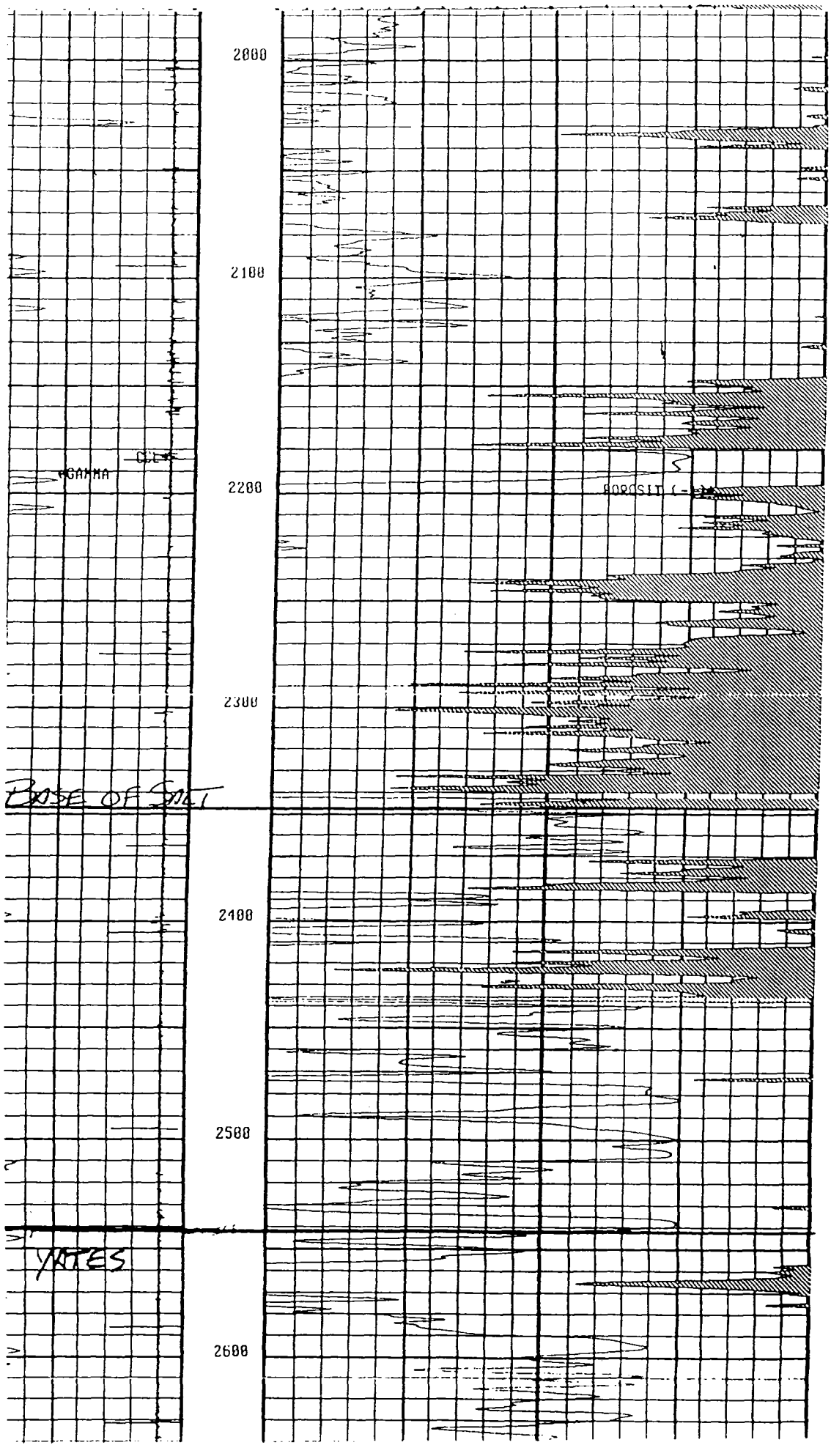
PERMANENT DATUM	GL	ELEV. 4137'	ELEV.: K.B. 4149'	
LOG MEASURED FROM	KB	12.0 FT. ABOVE PERM. DATUM	D.F.	
DRILLING MEAS FROM	KB		G.L. 4137'	

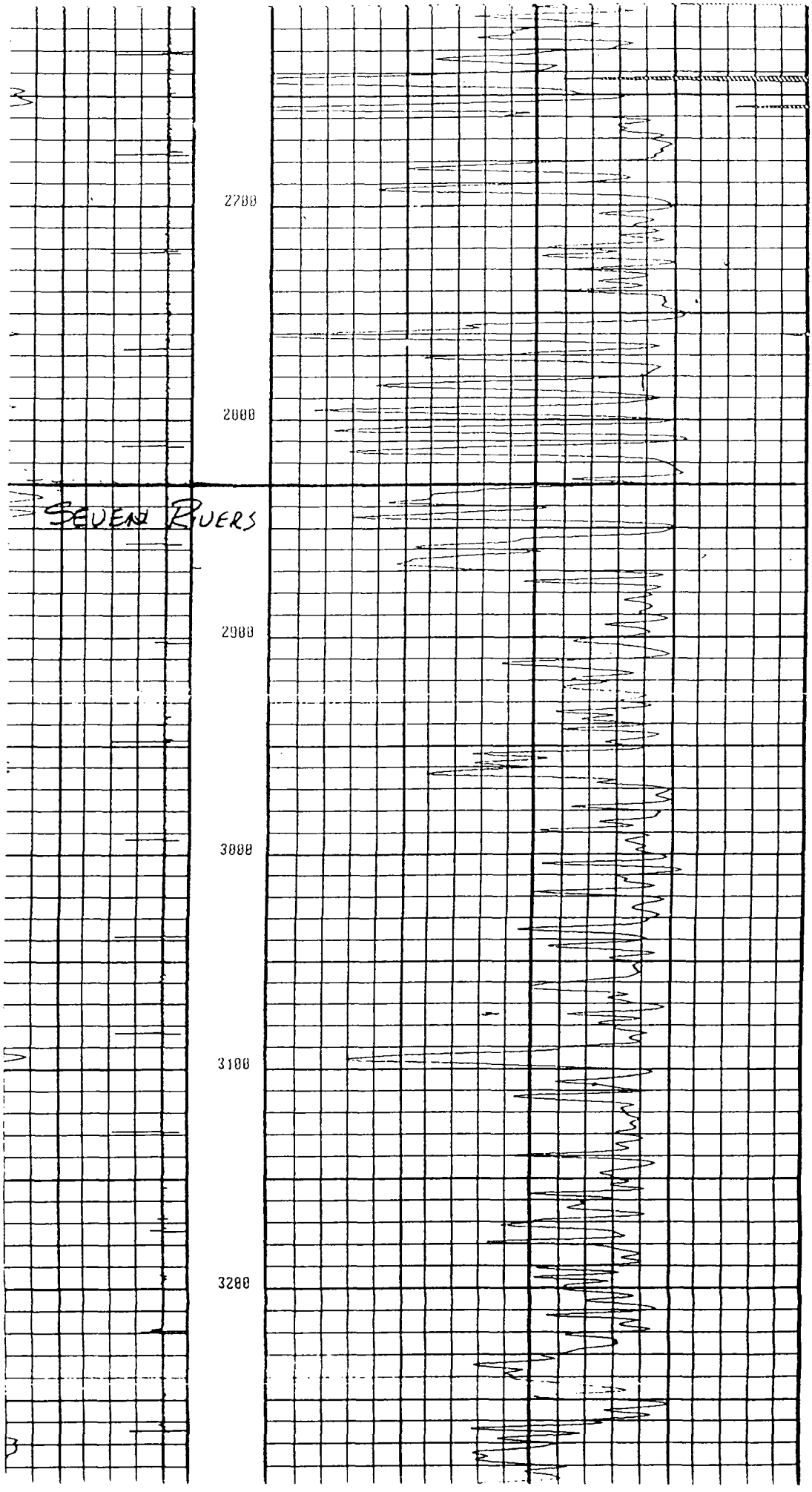
DATE @ TIME LOGGED	12/08/95 @ 00:00	TYPE OF FLUID IN HOLE	WATER
RUN No.	ONE	DENSITY OF FLUID	NA
DEPTH - DRILLER	4850	FLUID LEVEL	FULL
DEPTH - LOGGER	4788	CEMENT TOP EST/LOGGED	NA
BTM LOGGED INTERVAL	4787	EQUIPMENT : LOCATION	7634 : HOBBS
TOP LOGGED INTERVAL	SURF	RECORDED BY	HILL
MAX RECORDED TEMP.	NA	WITNESSED BY	MR. G. NEATON

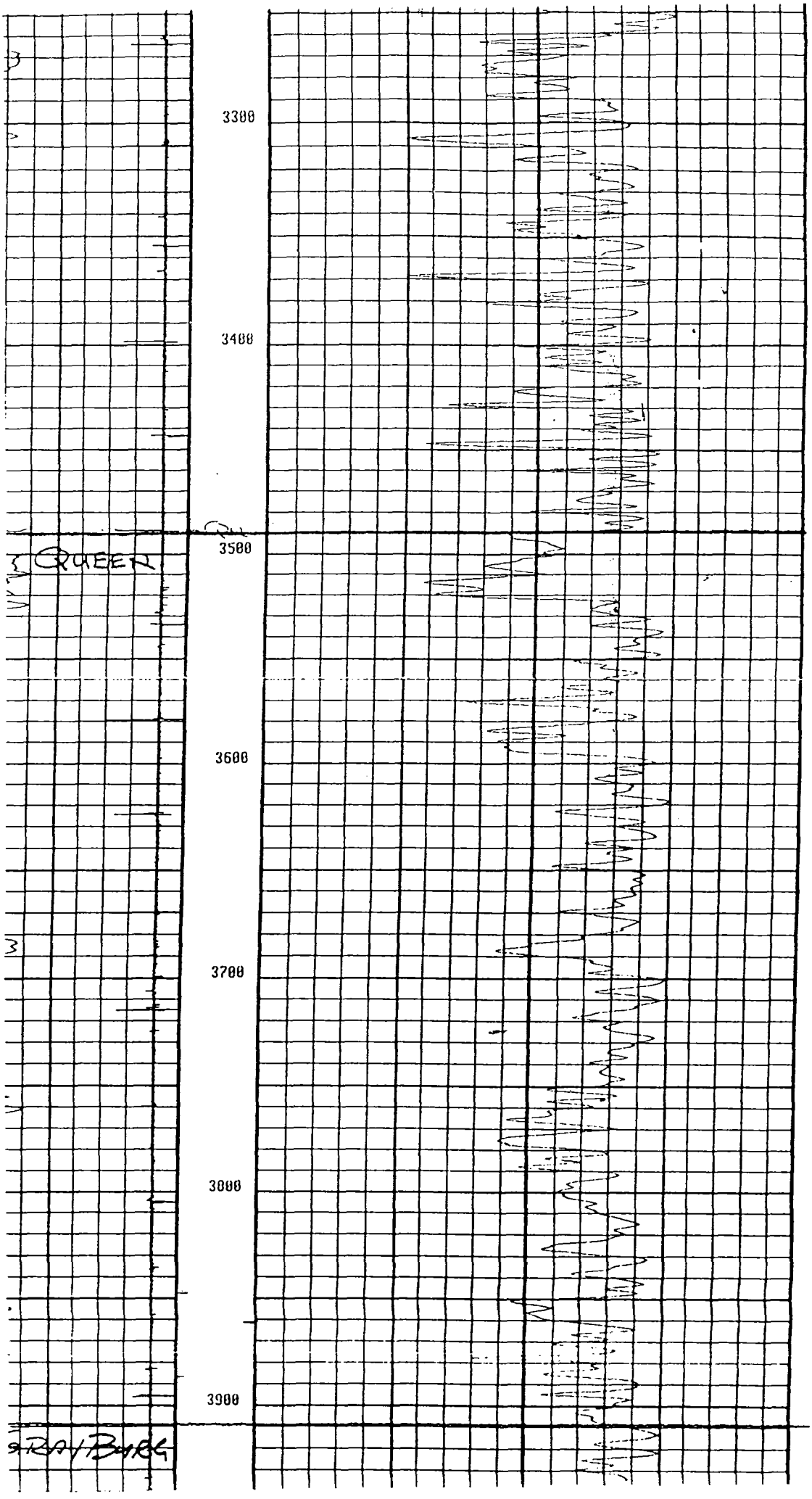
CEMENTING DATA	SURF. STRING	INT.STRING	PROD.STRING	LINER
DATE/TIME CEMENTED	/ .	/ .	/ .	/ .
PRIMARY/SQUEEZE				
COMPRESSIVE STR. EXPECTED @	: Hrs	: Hrs	: Hrs	: Hrs
CEMENT VOLUME				
CEMENT TYPE/WEIGHT				
MUD TYPE/MUD WGT.				
FORMULATION				

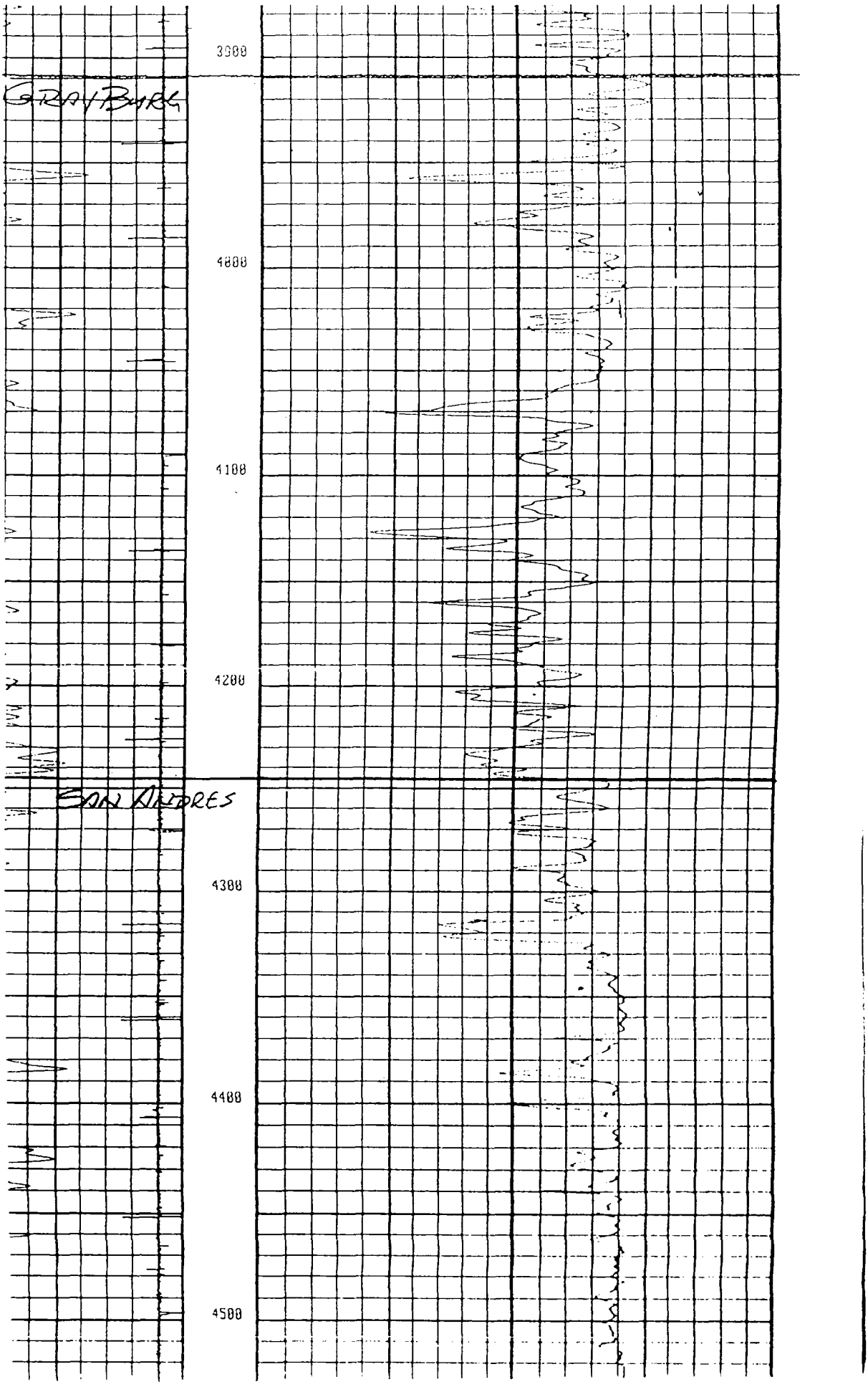
RUN	BOREHOLE RECORD			CASING AND TUBING RECORD			
No.	BIT SZ.	FROM	TO	SIZE	WGT.	FROM	TO
ONE				8.625	NA	0	1200
TWO	7.875	1200	4850	5.5	17.0	0	4850


1100
ANHYDRITE
1200
1300
SALT
1400
1500
1600
1700


2000
2100
GAMMA
2200
2300
BASE OF SALT
2400
2500
YATES
2600


2700
2800
SEVEN RIVERS
2900
3000
3100
3200


3300
3400
QUEEN
3500
3600
3700
3800
3900


3900
GRAYBURG
4000
4100
4200
SAN ANDRES
4300
4400
4500

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IX. PROPOSED STIMULATION PROGRAM

Acid breakdown jobs will be done if new perforations are added. When treating old perforations, acid "wash" treatment will be done to remove scales and flow-back solids at formation face.

X. LOGGING DATA

The available logs are those on file with the Oil Conservation Division from the original oprators of the wells.

XI. FRESH WATER WELLS

Information on fresh water wells in the area as recorded in the office of the State Engineer was previously submitted. None of these wells are still active or productive.

XII. Not applicable

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APPLICATION FOR AUTHORIZATION TO INJECT

XIII. PROOF OF NOTICE

Copies of this C-108 Application have been mailed to the surface owners and to each leasehold operator within one-half mile of the proposed injection wells as identified on the mailing list attached as Exhibit XIII-A. An Affidavit of such notice is attached as Exhibit VIII-B. Copies of the certified receipts will be furnished upon request. The notice attached as Exhibit VIII-C is being published in the Hobbs News Sun. An Affidavit of Publication will be forwarded as soon as available.

EXHIBIT XIII-A

MAILING LIST

Surface Owners:

State of New Mexico
State Land Office
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

Bureau of Land Management
District Office
1717 West 2nd Street
Roswell, New Mexico 88201

Grazing Lease Lessees:

Mr. Olane Caswell
P. O. Box 110
Maljamar, New Mexico 88264

Mr. Hershel Caviness
General Delivery
Causey, New Mexico 88113

Mrs. Janice Caviness
Caviness Cattle co.
P. O. Box 25
Maljamar, NM 88264

Offset Leasehold Operators:

Amoco Production Company
P. O. Box 3092
Houston, Texas 77253

Atlantic Richfield Company
P. O. Box 1610
Midland, Texas 79705

Mr. John W. Boone
P. O. Box 565
Artesia, New Mexico 88210

C. W. Carson Estate
716 Morningside Drive
Albuquerque, New Mexico 87110

Chase Oil Corporation
P. O. Box 276
Artesia, New Mexico 88210

Chevron USA Inc.
P. O. Box 1150
Midland, Texas 79702

Mr. & Mrs. Johnny & Maggie S. Cockburn
P. O. Box 105
Artesia, New Mexico 88210

Conoco Inc.
Suite 100 W
10 Desta Drive
Midland, Texas 79705-4500

Cross Timbers Oil Co., LP
P. O. Box 52070
Midland, Texas 79710

Mr. Homer Denius
P. O. Box 338
Artesia, New Mexico 88210

Mr. W. Siegenthaler
P. O. Box 338
Artesia, New Mexico 88210

Mr. J. G. Wright
P. O. Box 338
Artesia, New Mexico 88210

Devon Energy Corp. (Nevada)
Suite 1500
20 North Broadway
Oklahoma City, Oklahoma 73102

L. B. Simmons Energy, Inc.
Suite 1890
5847 San Felipe
Houston, Texas 77057

Lynx Petroleum Consultants, Inc.
P. O. Box 1979
Hobbs, N M 88241-1979

Mack Energy Corporation
P. O. Box 400
Duncan, Oklahoma 73534

OXY USA Inc.
P. O. Box 50250
Midland, Texas 79710

Penroc Oil Corporation
P. O. Box 5970
Hobbs, New Mexico 88241-5970

Pennzoil Petroleum Company
2402 West Wadley
Midland, Texas 79705

Phillips Petroleum Company
4001 Penbrook Street
Odessa, Texas 79762

Mr. Richard L. Ray
P. O. Box 689
Tyler, Texas 75710

Shahara Oil Corporation
P. O. Box 3232
Carlsbad, New Mexico 88221-3232

Southland Royalty Company
c/o Meridian Oil, Inc.
3300 North A Street, Bldg 6
Midland, Texas 79705

Southwest Developmental
Drilling Fund 1993 LP
P. O. Box 11390
Midland, Texas 79702

Southwest Royalties, Inc.
407 North Big Spring
Midland, Texas 79701-4326

J. B. Stephenson Estate
P. O. Box 837
Albuquerque, NM 87103

Mr. Don E. Woodward
P. O. Box 837
Albuquerque, NM 87103

Target Production Company
Drawer Y
Denver City, Texas 79323

Mesa, Inc.
Suite 1400
5205 North O'Connor
Irving, Texas 75039-3746

Mr. Len G. McCormick
P. O. Box 19764
Houston, Texas 77224

Petrus Energy Company
P. O. Box 820101
Houston, Texas 77282-0101

Mr. Parker C. Fielder
Trustee
Address Unknown

Floos Inc.
Address Unknown

Mr. M. E. Lunn
Address Unknown

Mr. G. B. Suppes
Address Unknown

Mr. B. E. Kennedy
Address Unknown

Warren-Bradshaw Exploration
Company
Address Unknown

Mr. C. W. Chancellor
Address Unknown

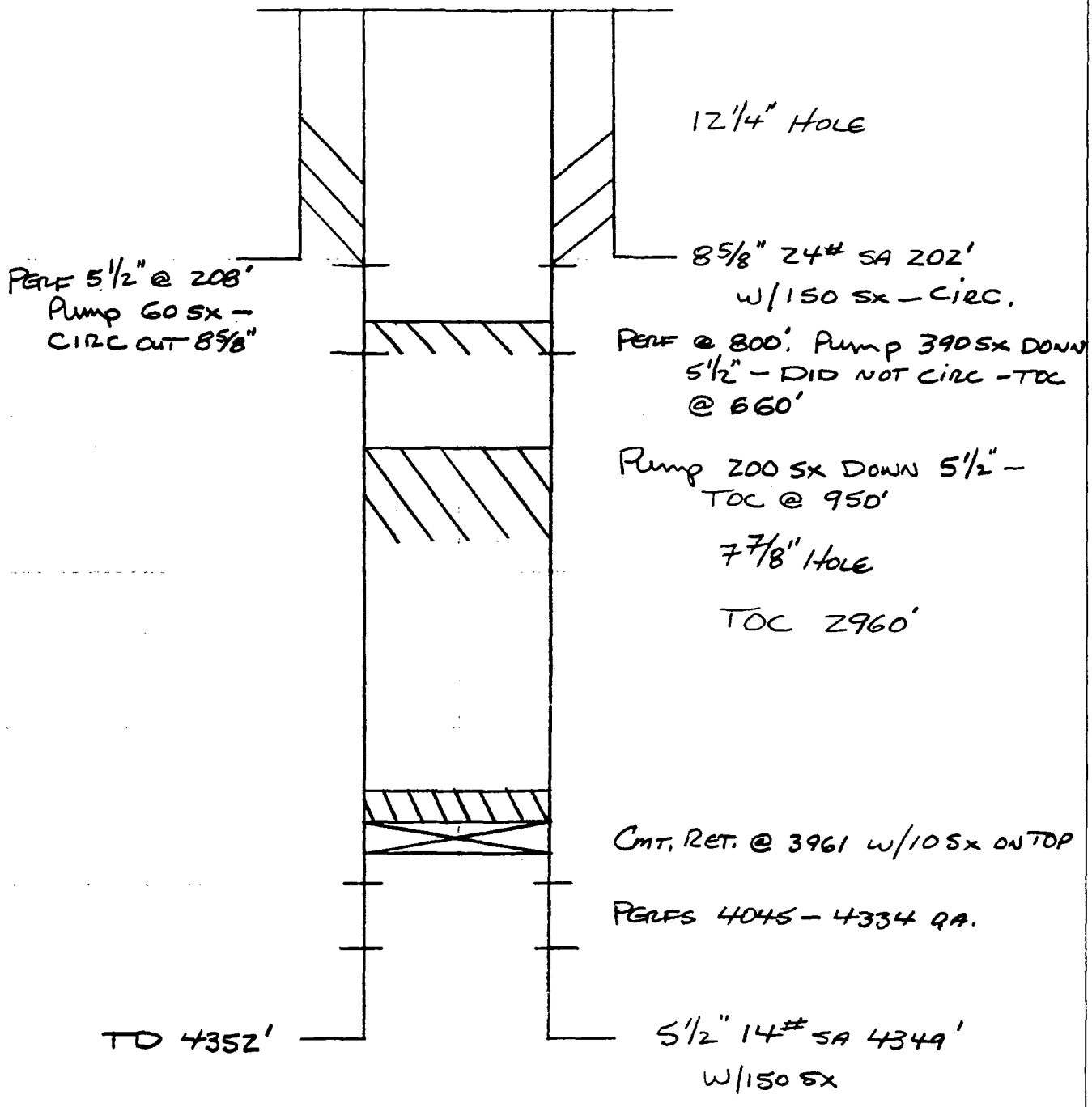
Wolffson Oil Company
Address Unknown

CMU #23

(fka M.B. STATE 13 #5)

13"0"–17S–32E

4/30/59



P & A 9/79

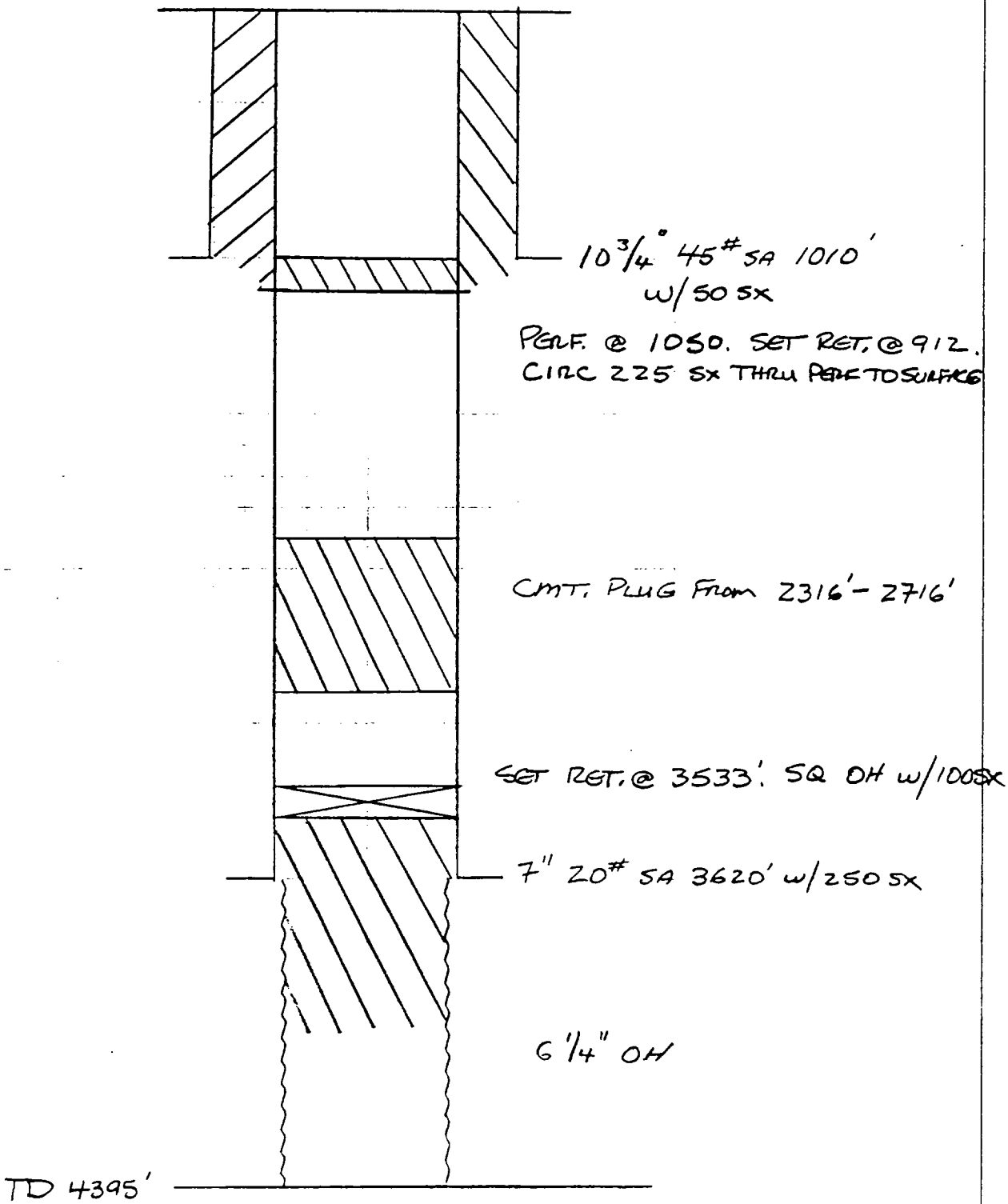
6/29/94

CMU #46

(fka ARCO (EMPEROR) JOHNS "B" DE #1)

24"E" - 175 - 32 E

9/37



P & A 7/79

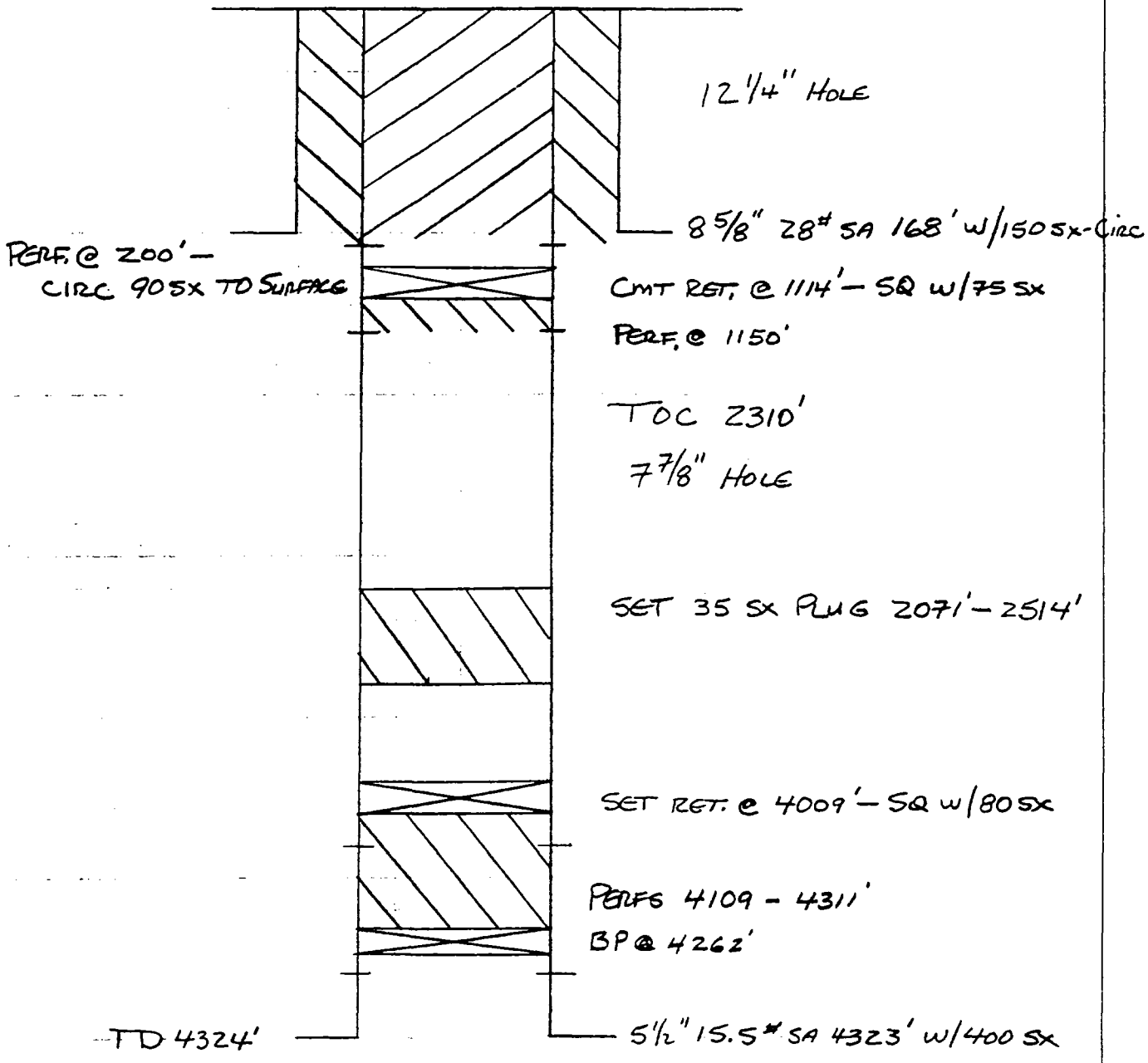
A 6/29/94

CMU #47

(fka ARCO JOHNS "B" DE #4)

24"F" – 175 – 32E

11/27/57



PEA 12/78

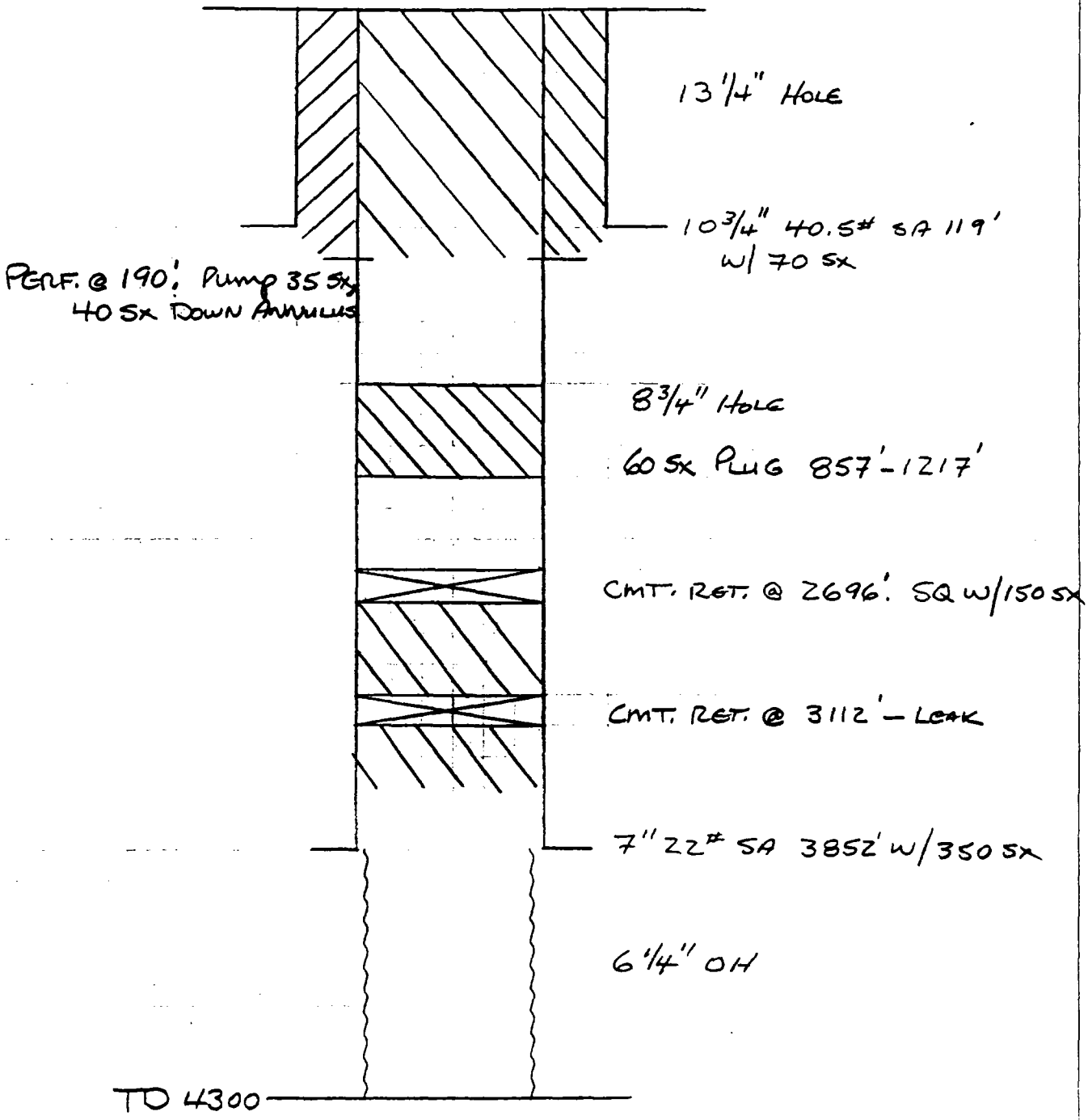
H 6/30/94

CMU #75

ARCO JOHNS "A"-24 DE #3

24"O" - 175 - 32E

2/25/43



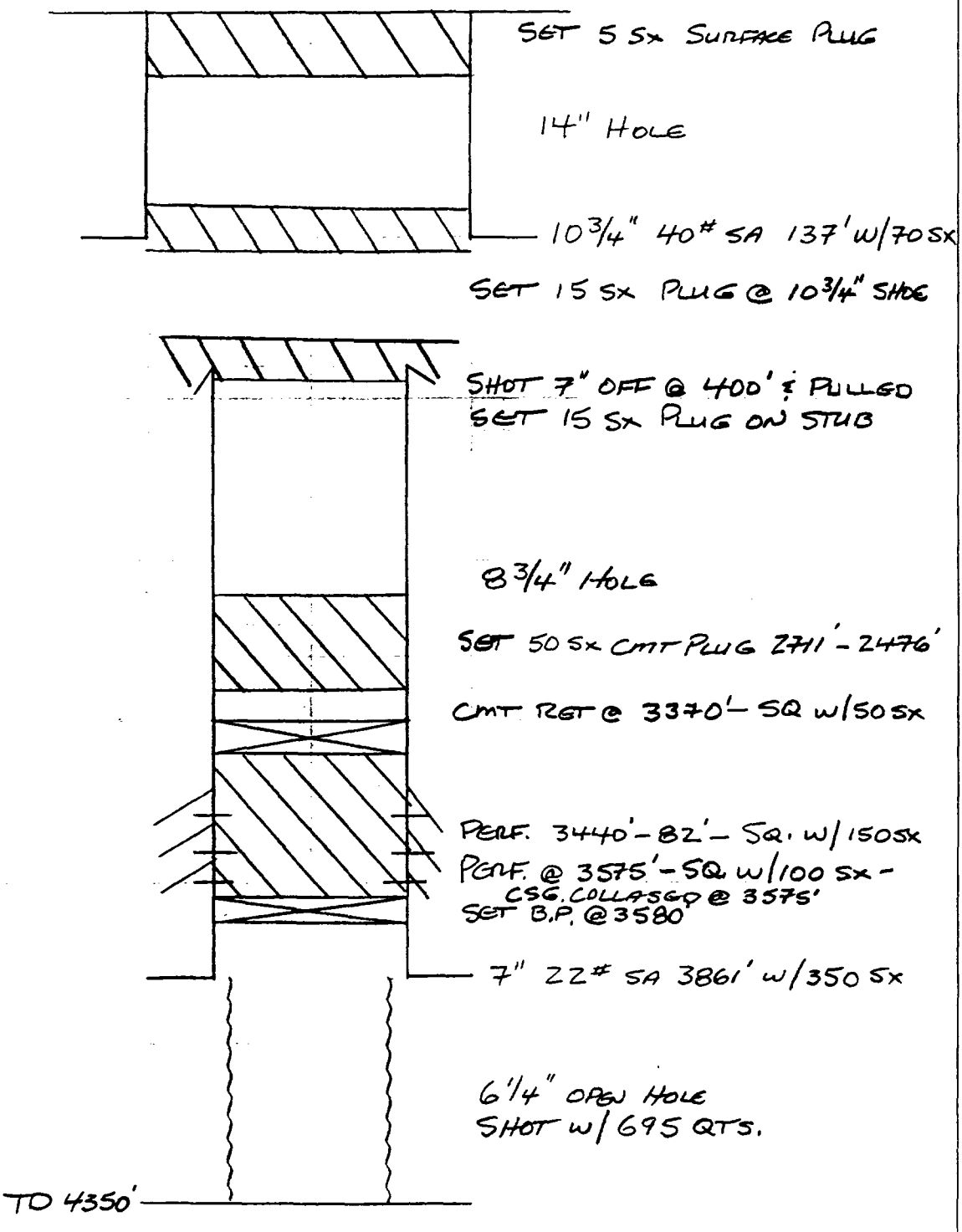
P & A 4/78

AG 6/29/94

D & E JOHNS "A" #4

24"P" – 17S – 32E

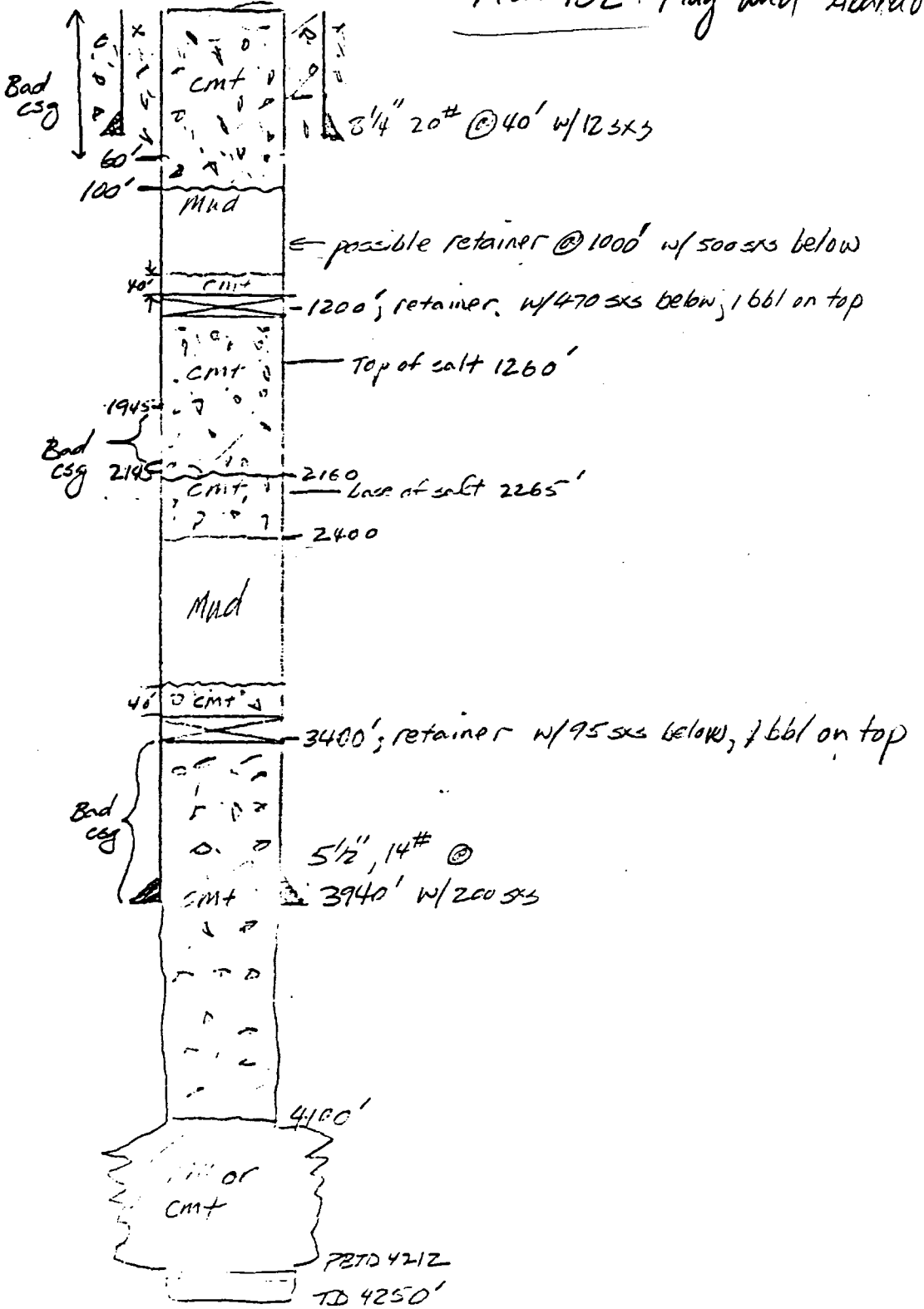
4/22/43



P & A 11/58

6/30/94

MCA 132 : Plug and Abandon



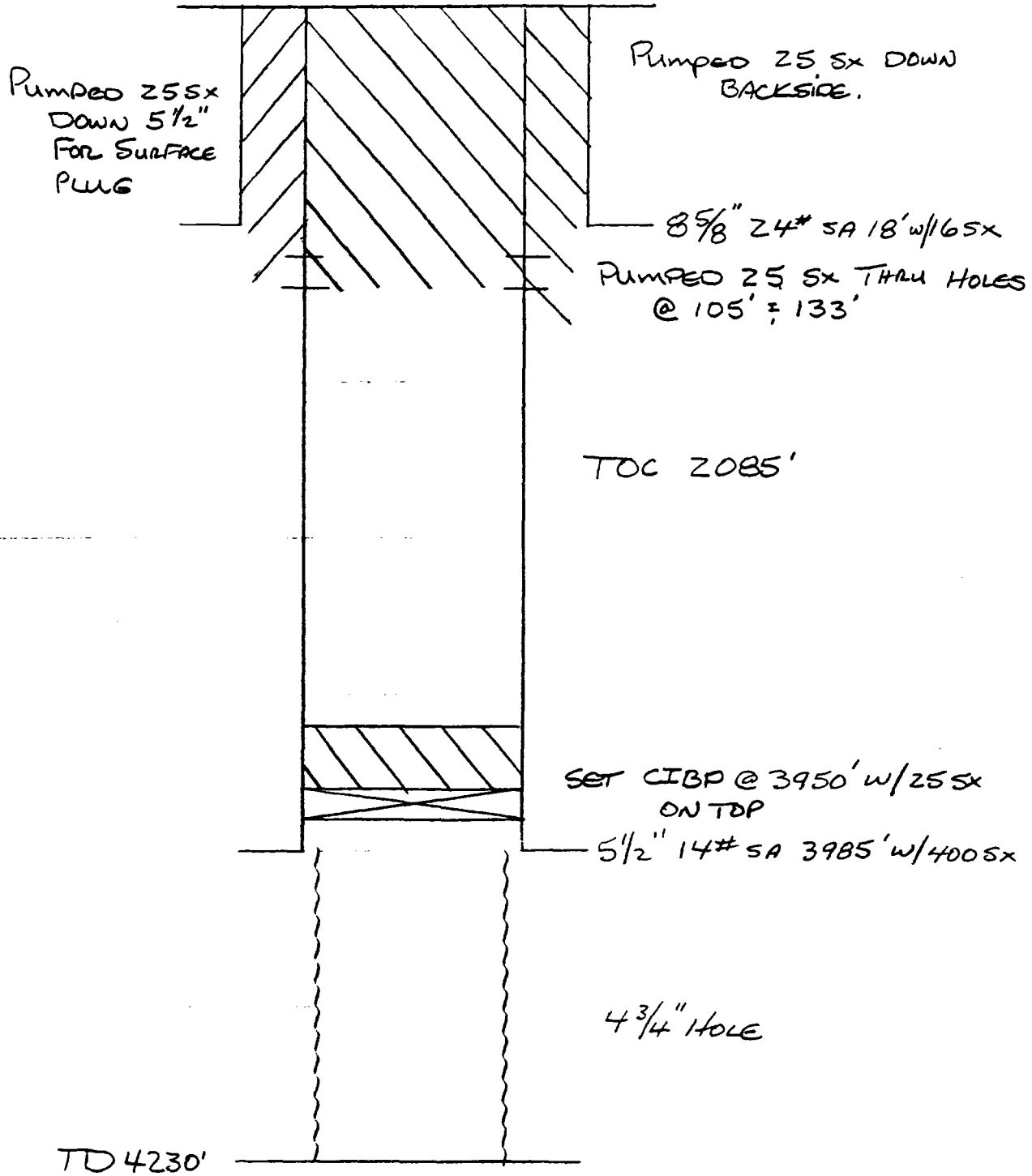
JB

6/24/98

CONOCO MCA #129

25 "C"-175-32E

5/12/42

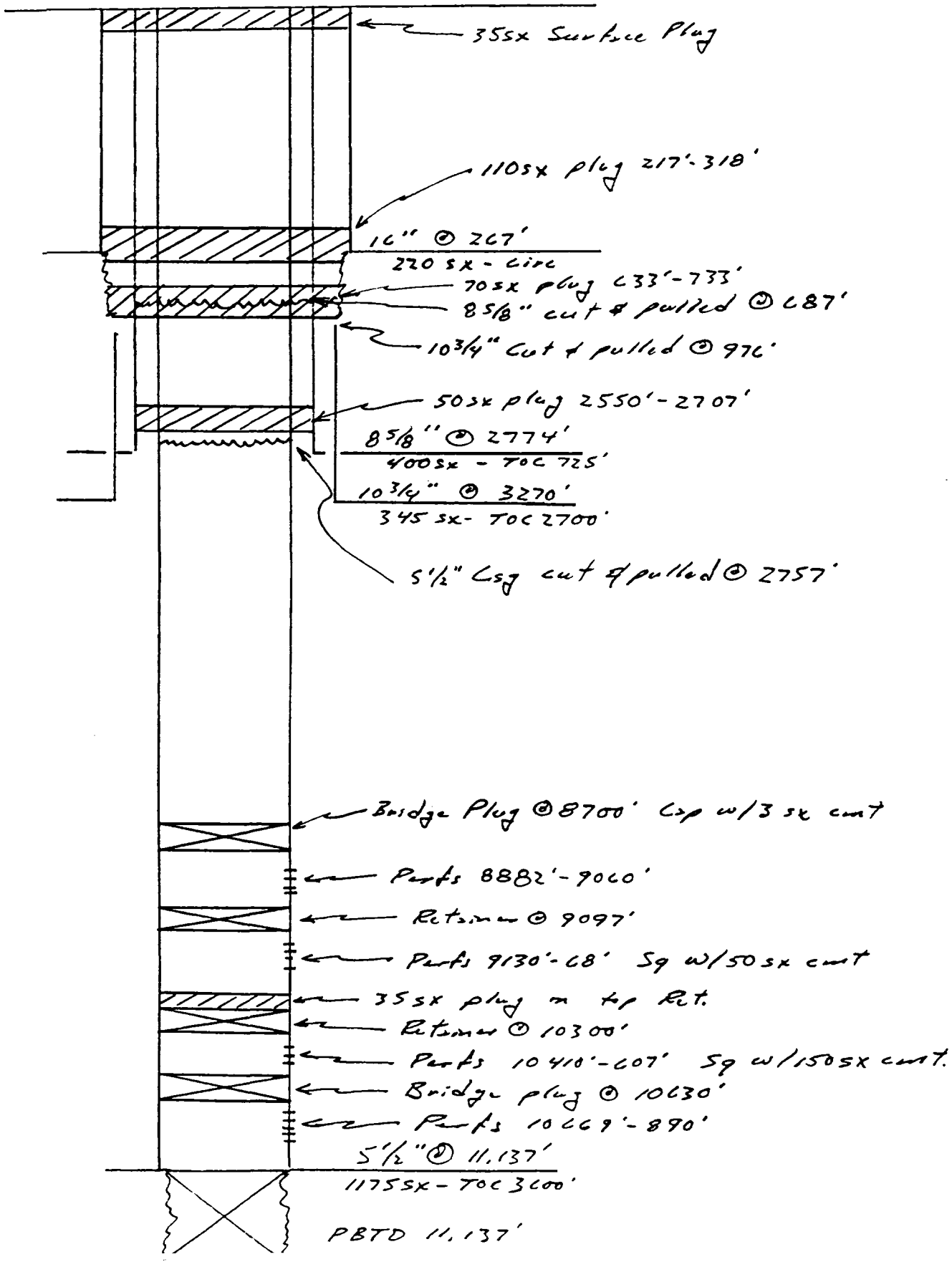


P & A 2/28/90

AL 6/30/94

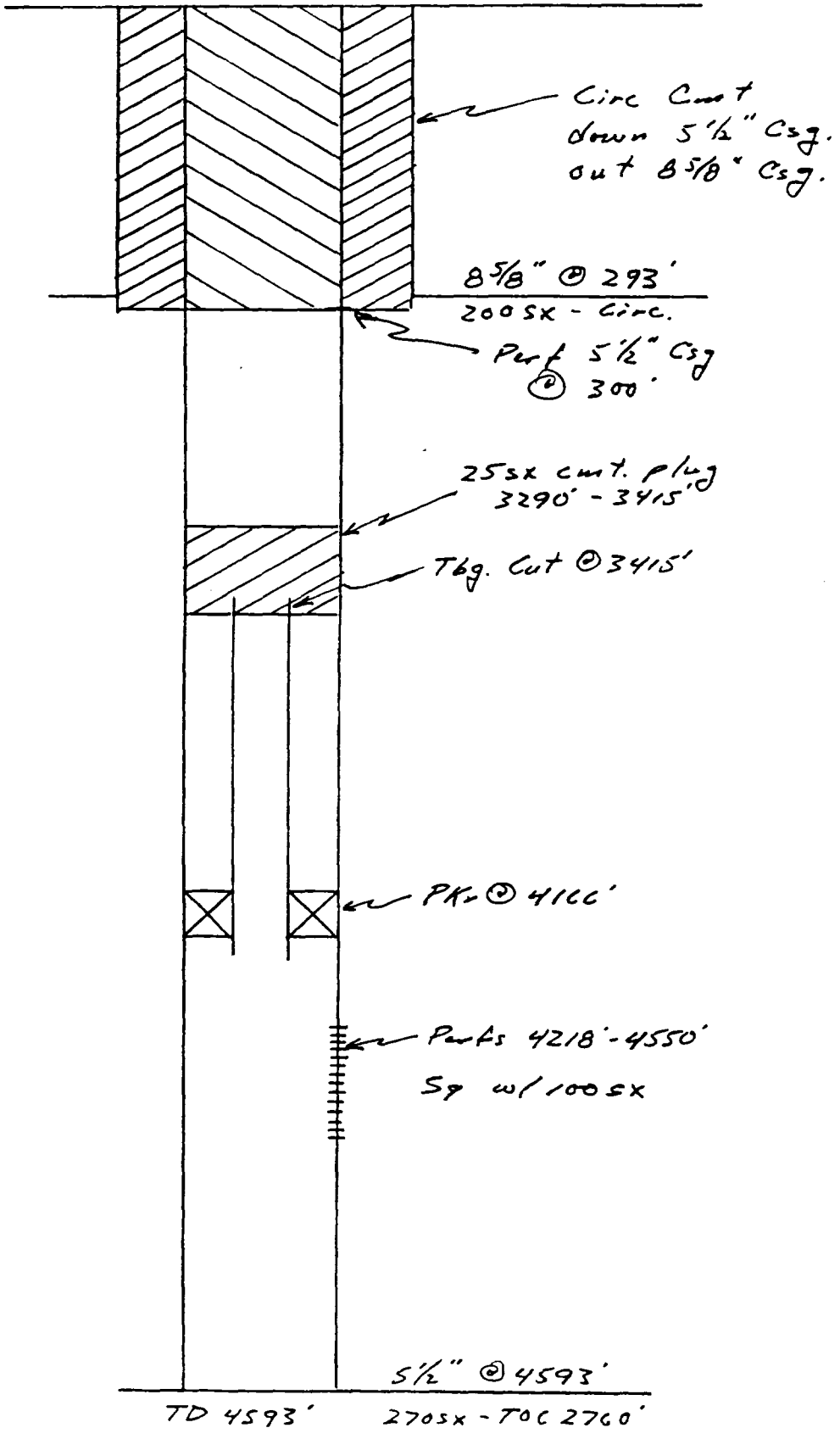
Well Name: PHILLIPS Lamex # 1-9

Date P & A: Mar 1974



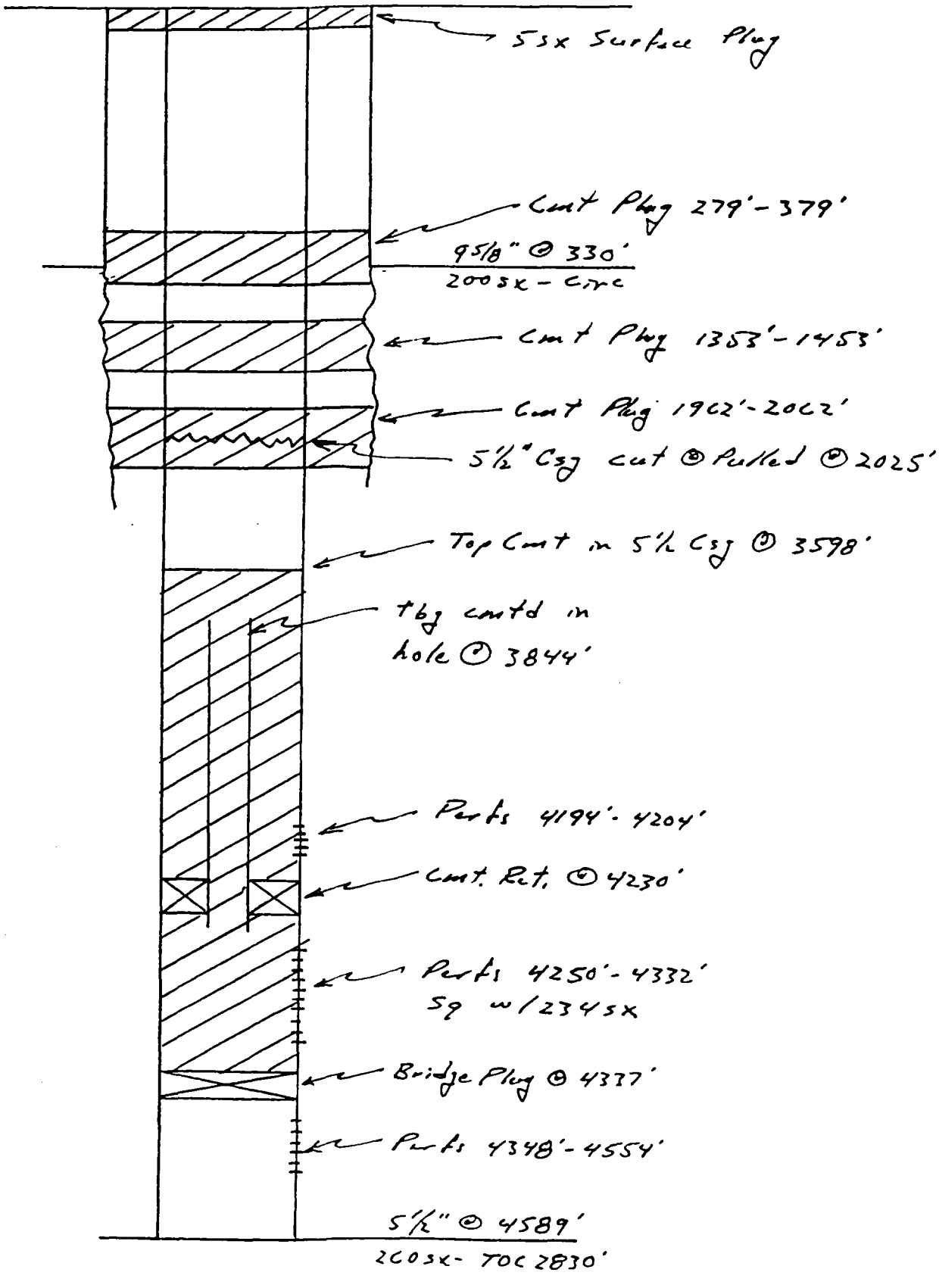
Well Name: MURPHY BAXTER State 18-B #2

Date P & A: 4-17-89



Well Name: MURPHY BAXTER State 18-8 #5

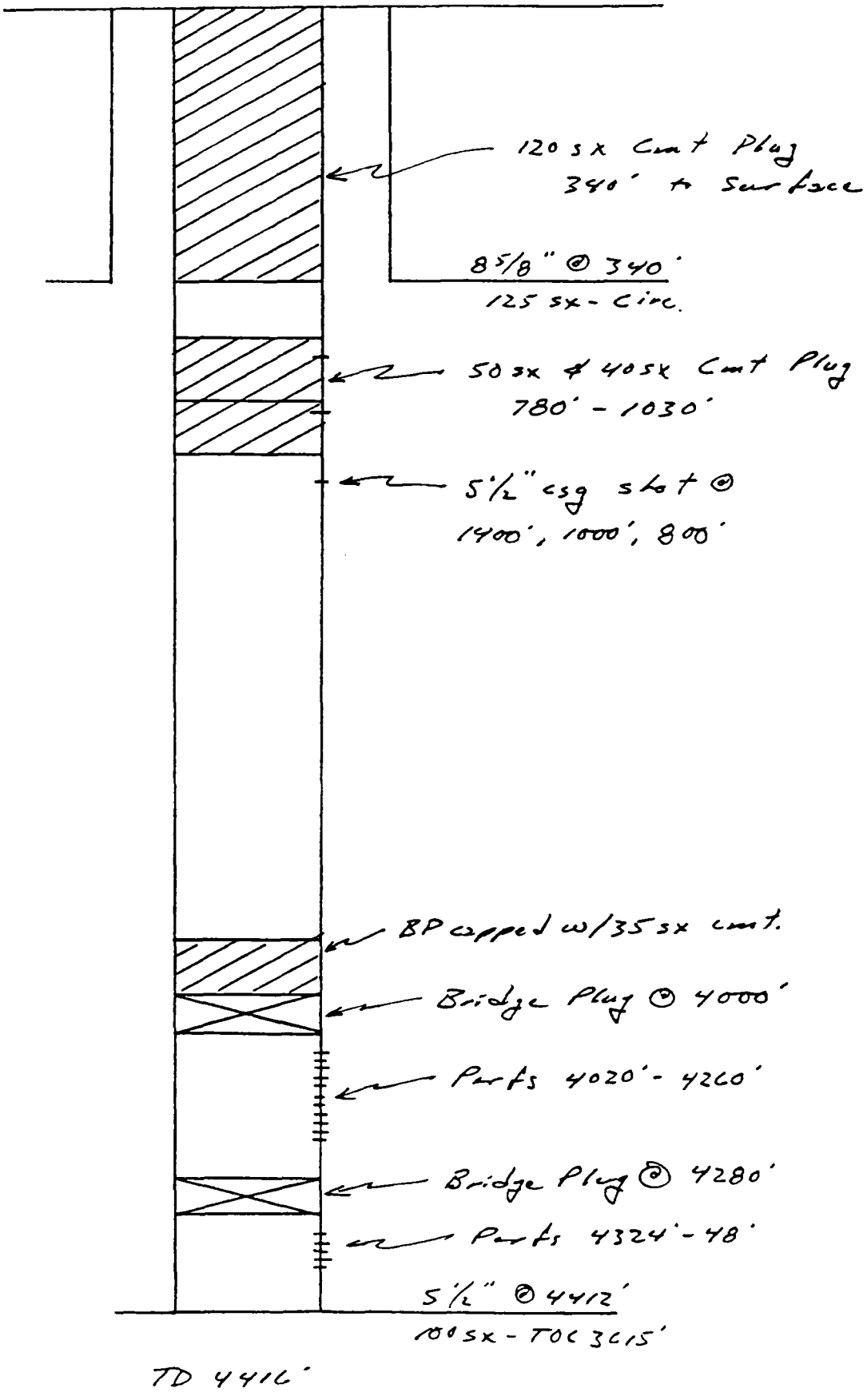
Date P & A: Mar 1975



TD 4589'

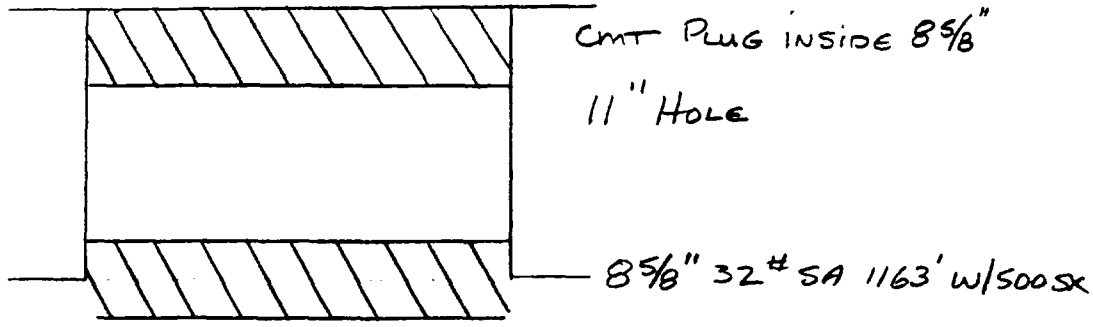
Well Name: PENNZOIL Phillips B State #2

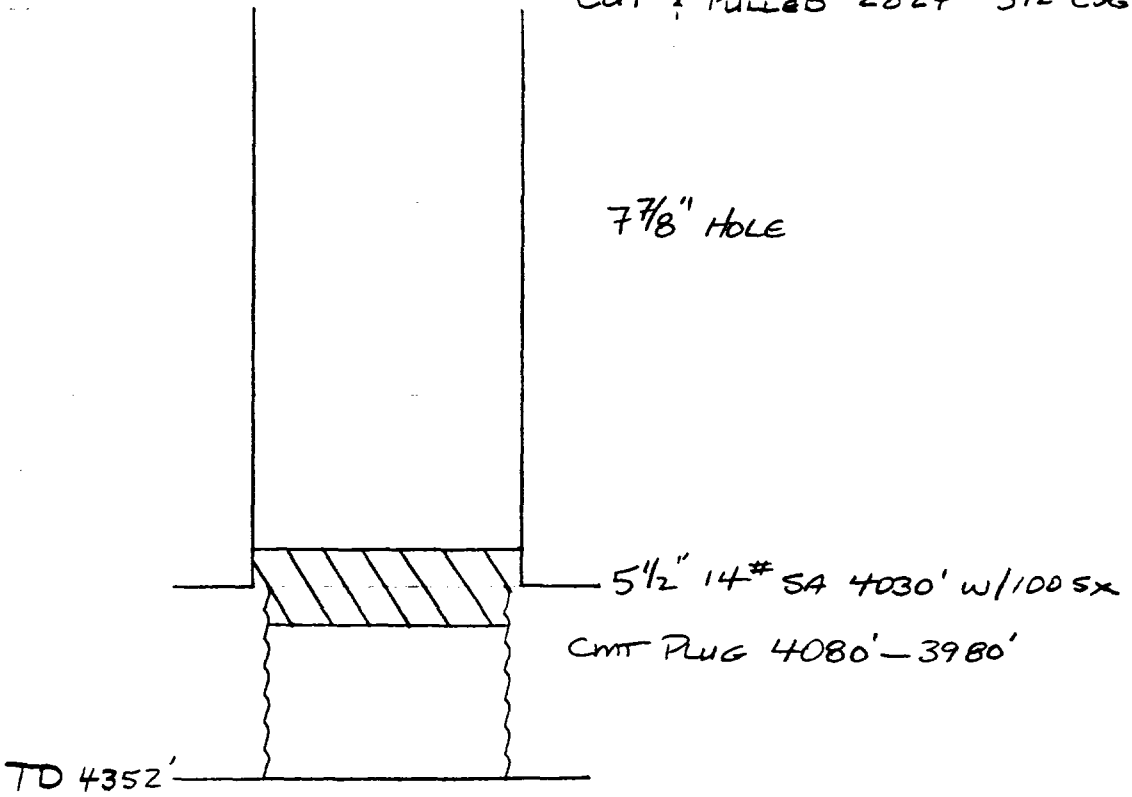
Date P & A: Jan 1992



PHILLIPS LEAMEX #2

19"N" - 175 - 33E





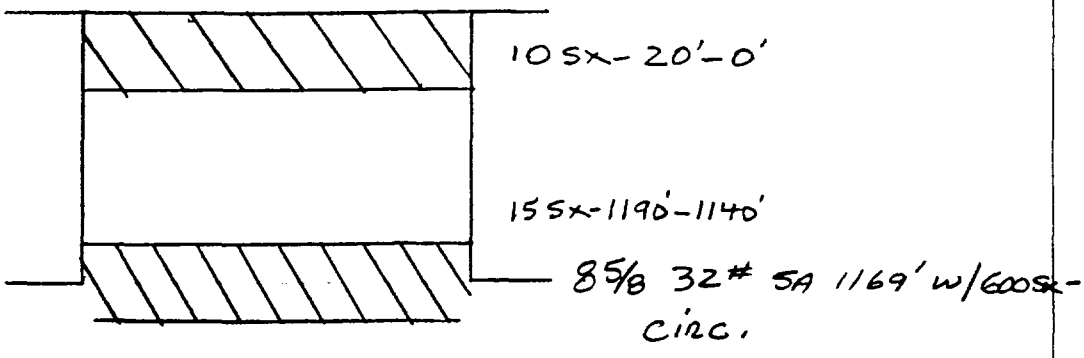
P&A 12/31/42

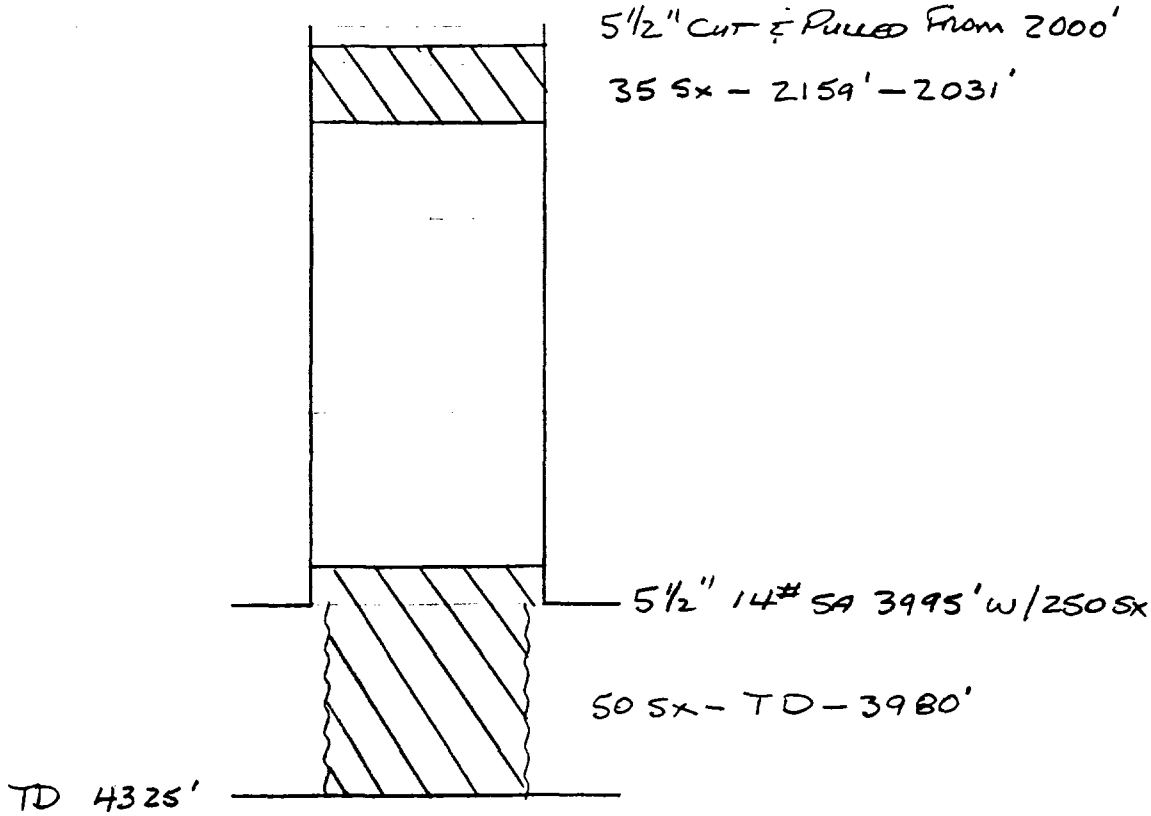
H7/5/94

PHILLIPS LEAMEX #3

19"L" – 17S-33E

4/30/44



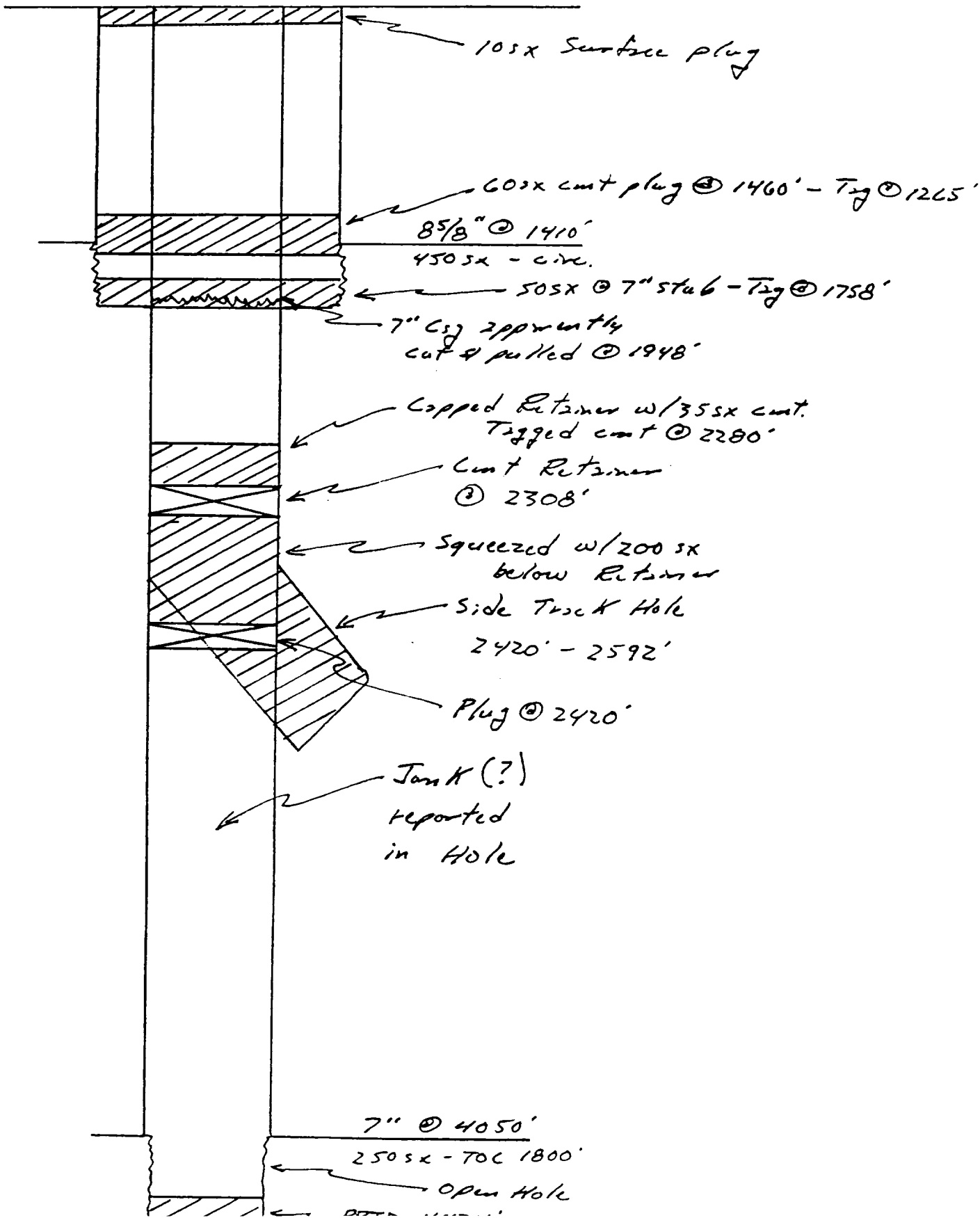


P & A 8/53

N 7/5/94

Well Name: WESTERN OIL FIELDS Phillips State #1

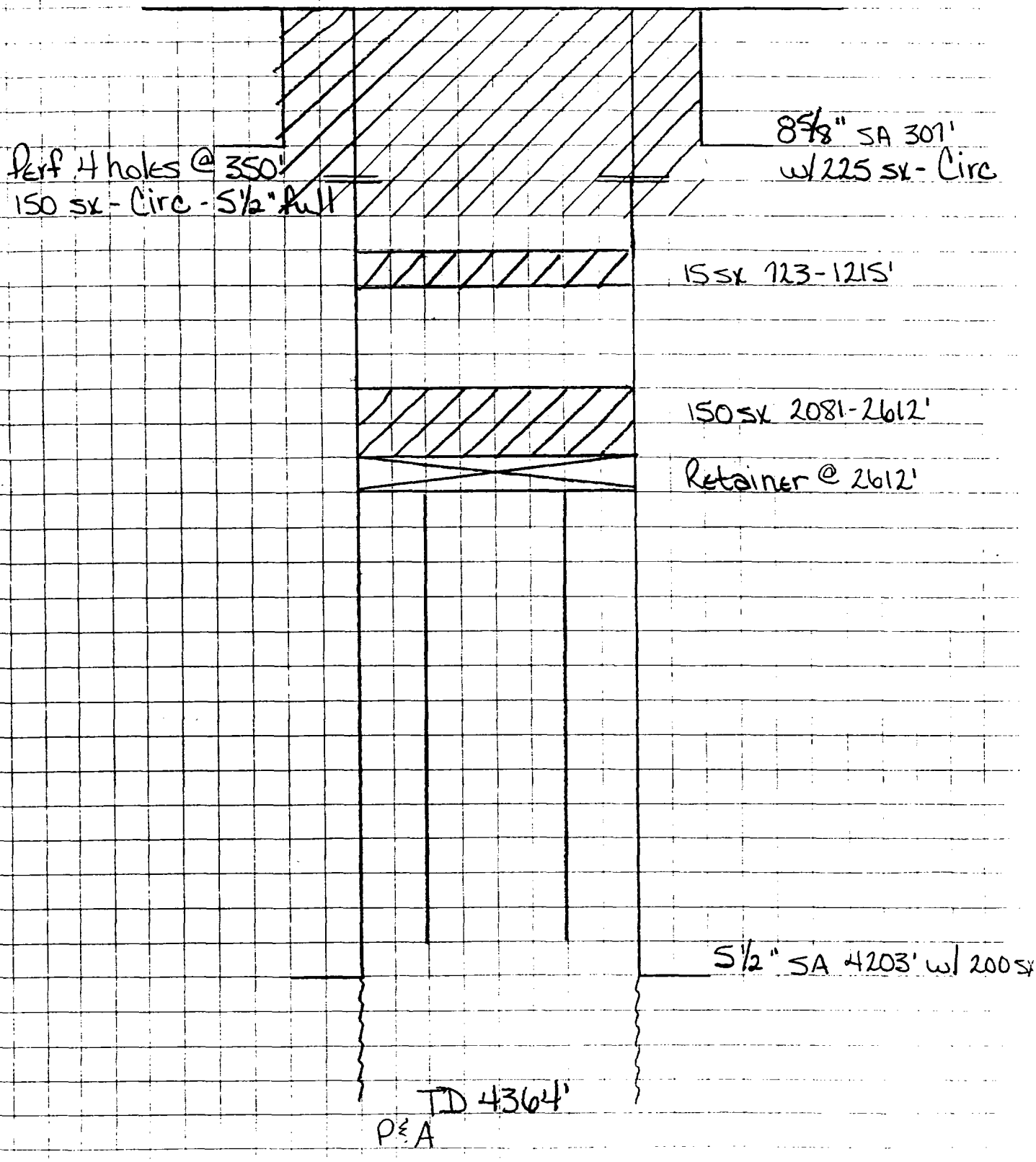
Date P & A: Aug 1980



Crown Central Petroleum Corporation

Mal Gra Unit B #6

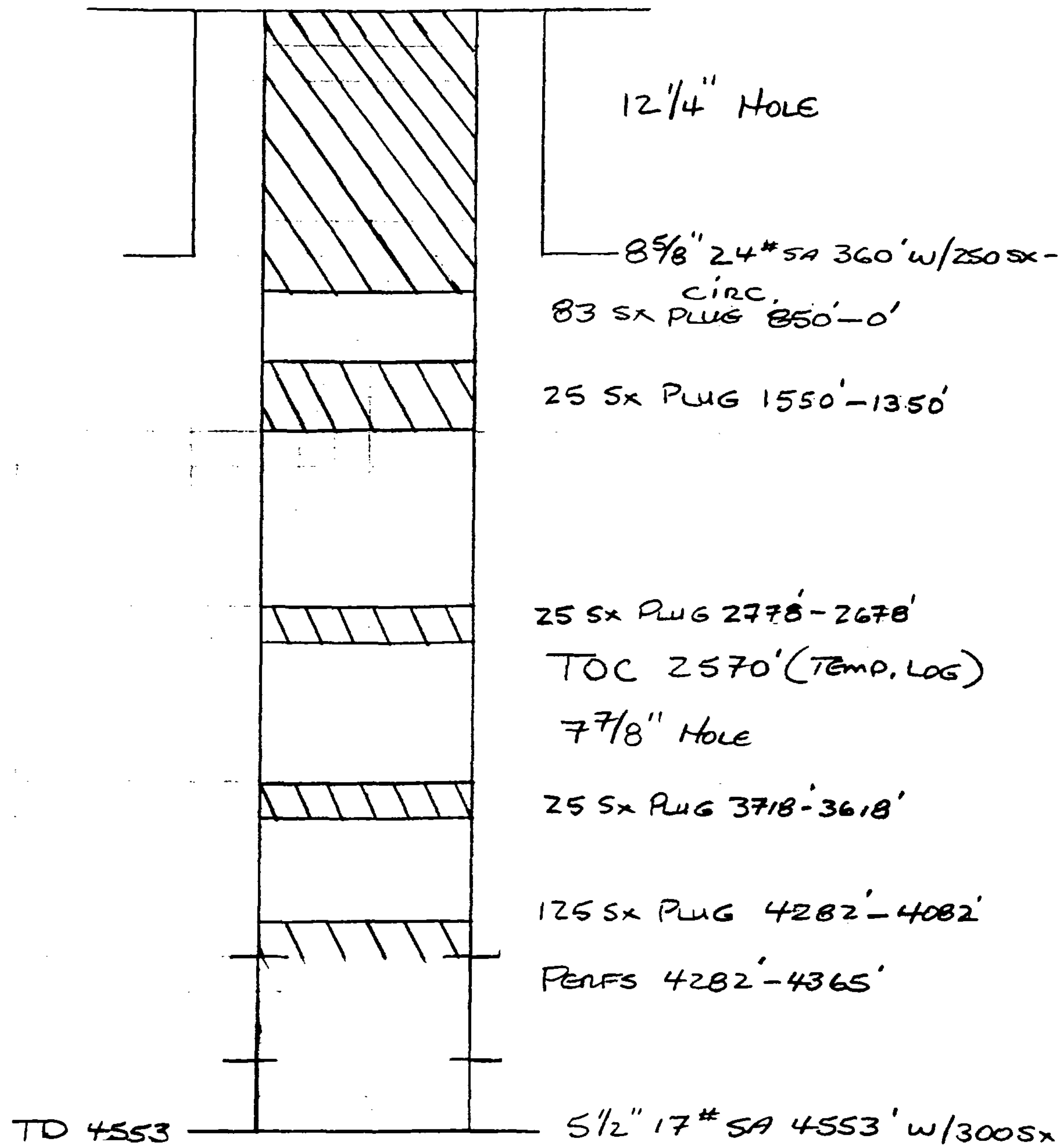
990' FWL & 330' FSL, Unit M, Section 20-17S-33E



PHILLIPS LEAMEX #14

21"B"-17S-33E

4/28/75

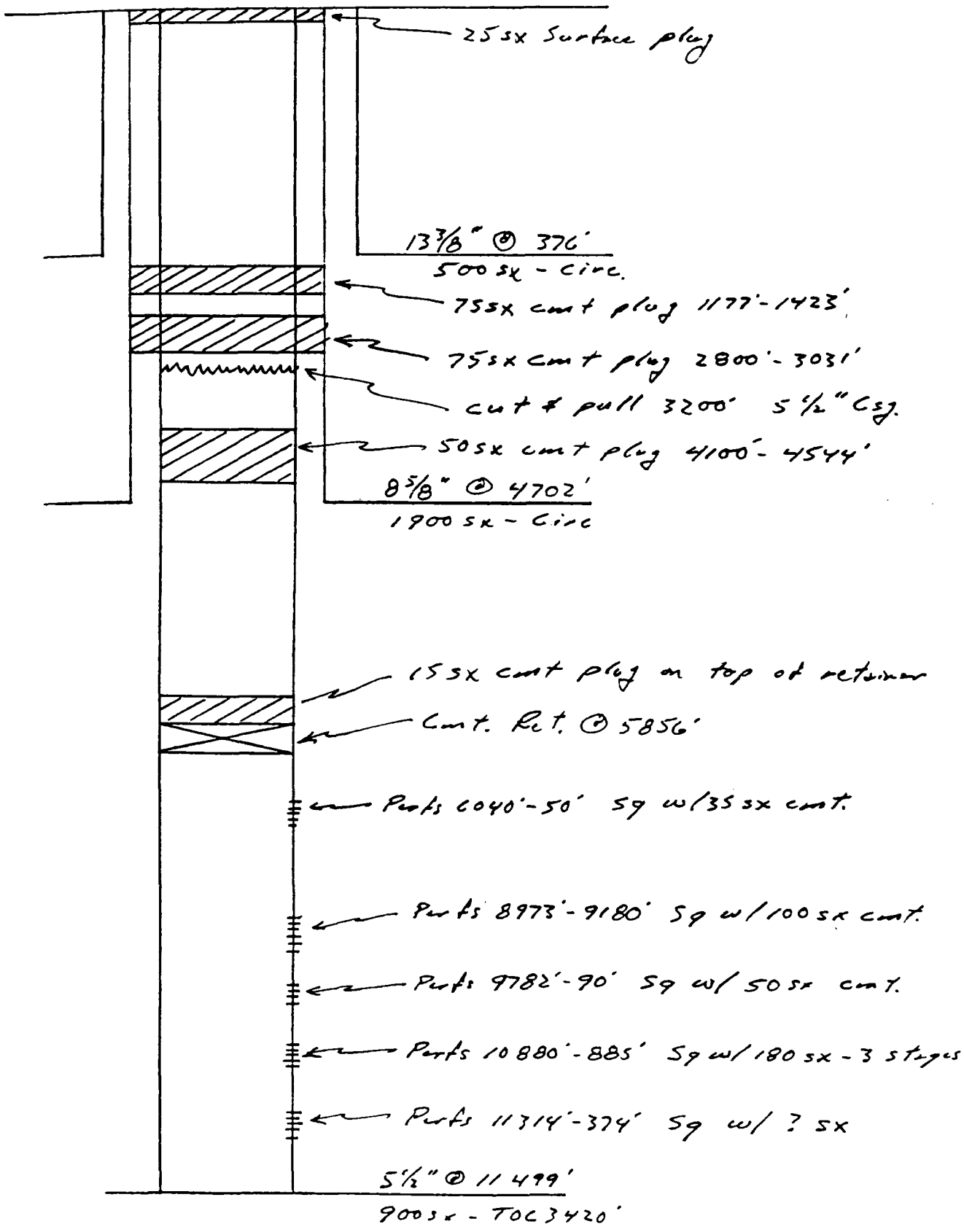


P&A 10/92

[initials] 7/5/94

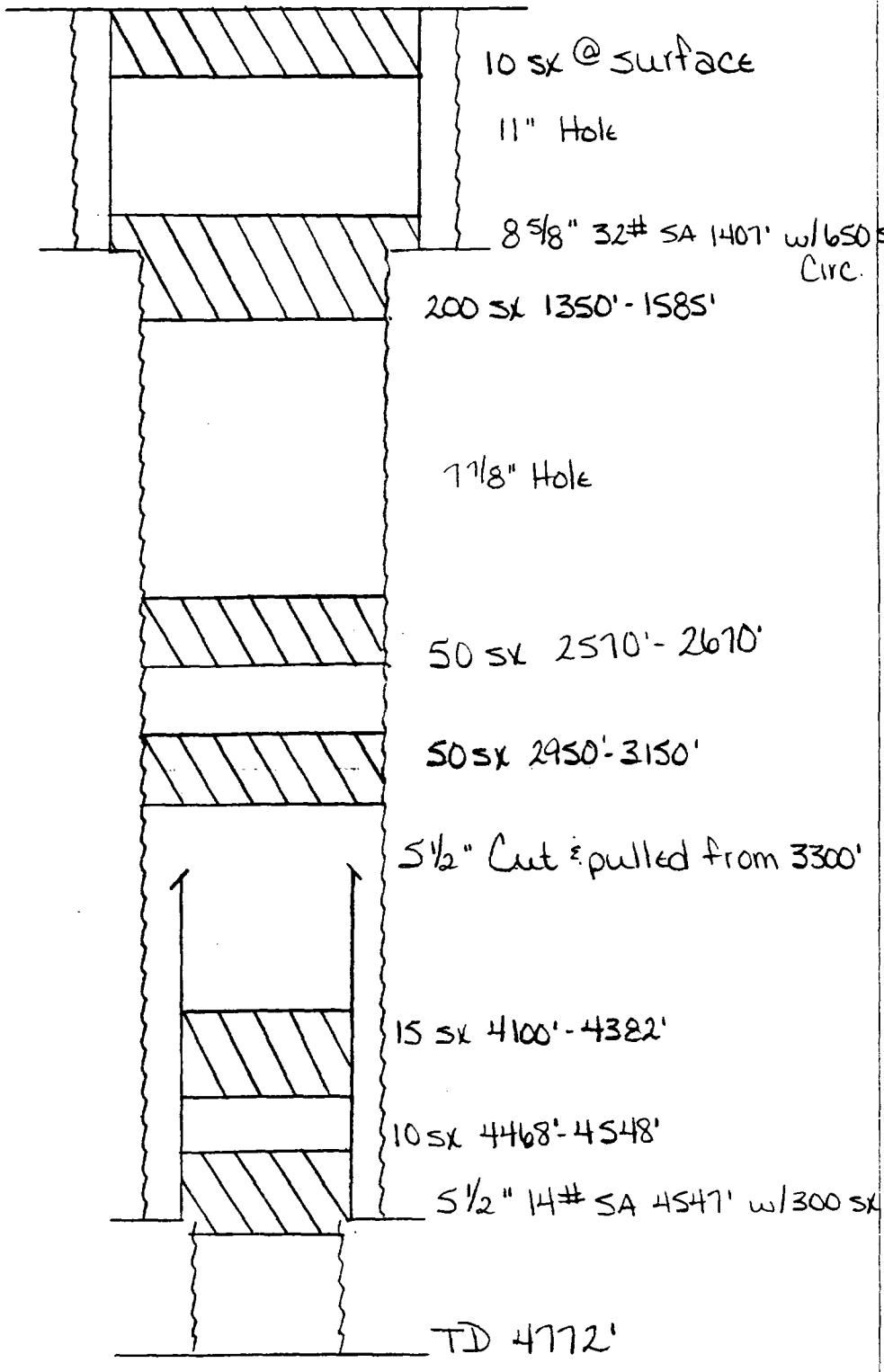
Well Name: PHILLIPS Lomex #25

Date P & A: May 1984



Phillips Philmex #1

28 "D" 17S 33E
11/19/41



MP 7/11/94

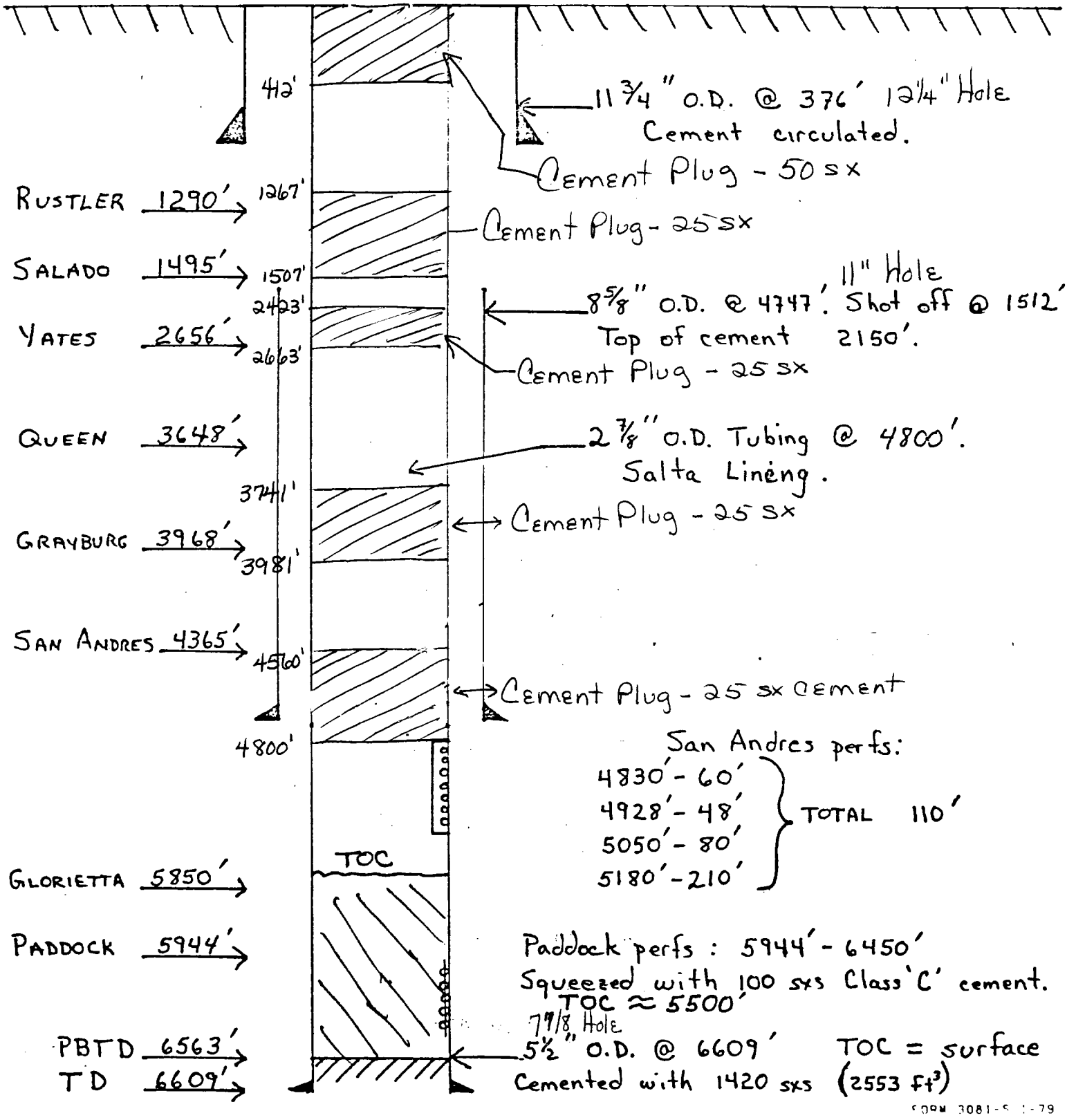
P & A 12/46 Re-P & A 8/80

PHILLIPS PETROLEUM COMPANY

PHILMEX WELL NO. 14

Maljamar Grayburg - San Andres Pool, Lea County, New Mexico

P+A 4/95

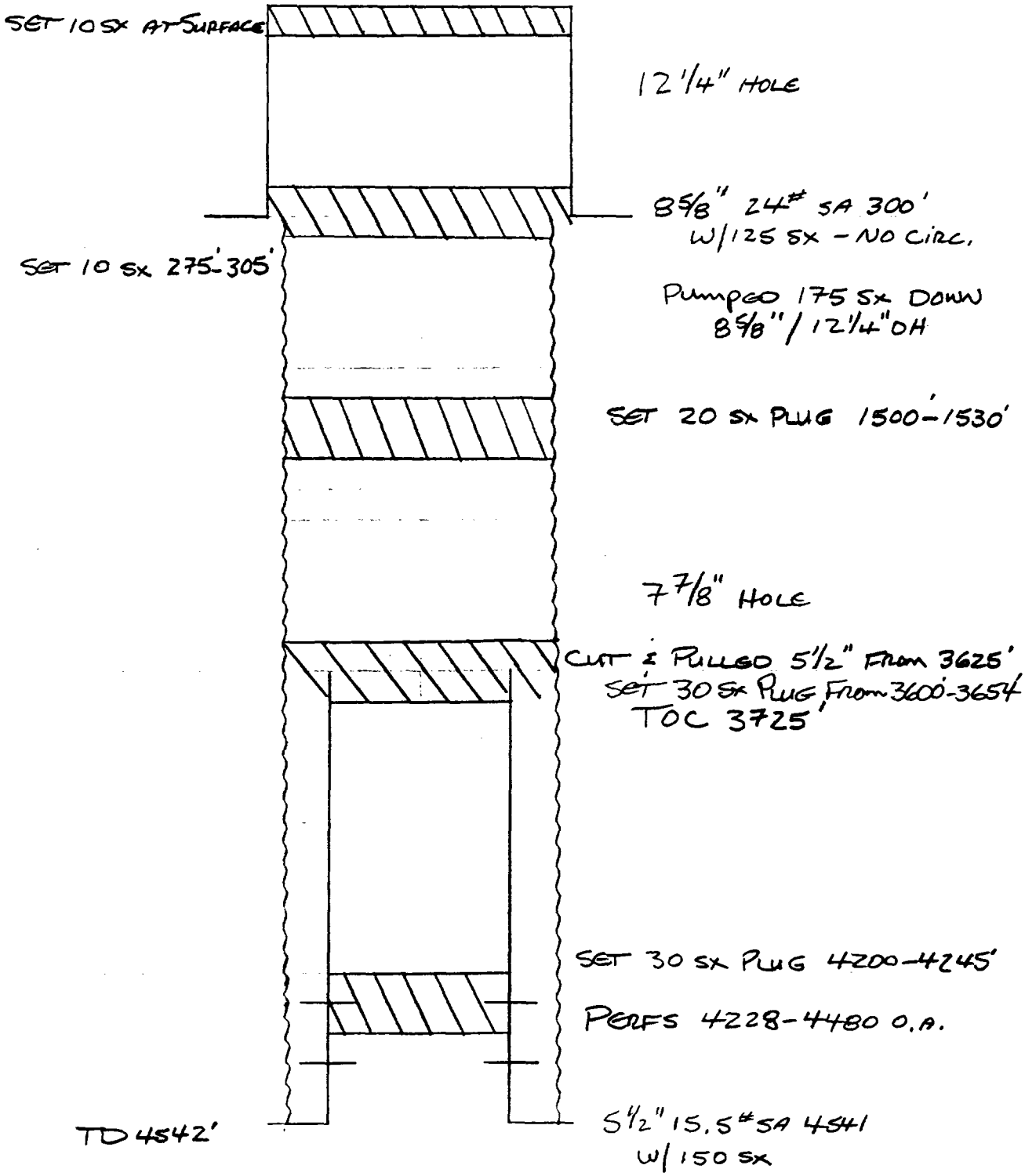


FORM 3081-S 1-79

PHILLIPS STATE #9

28"O"-17S-32E

12/12/57



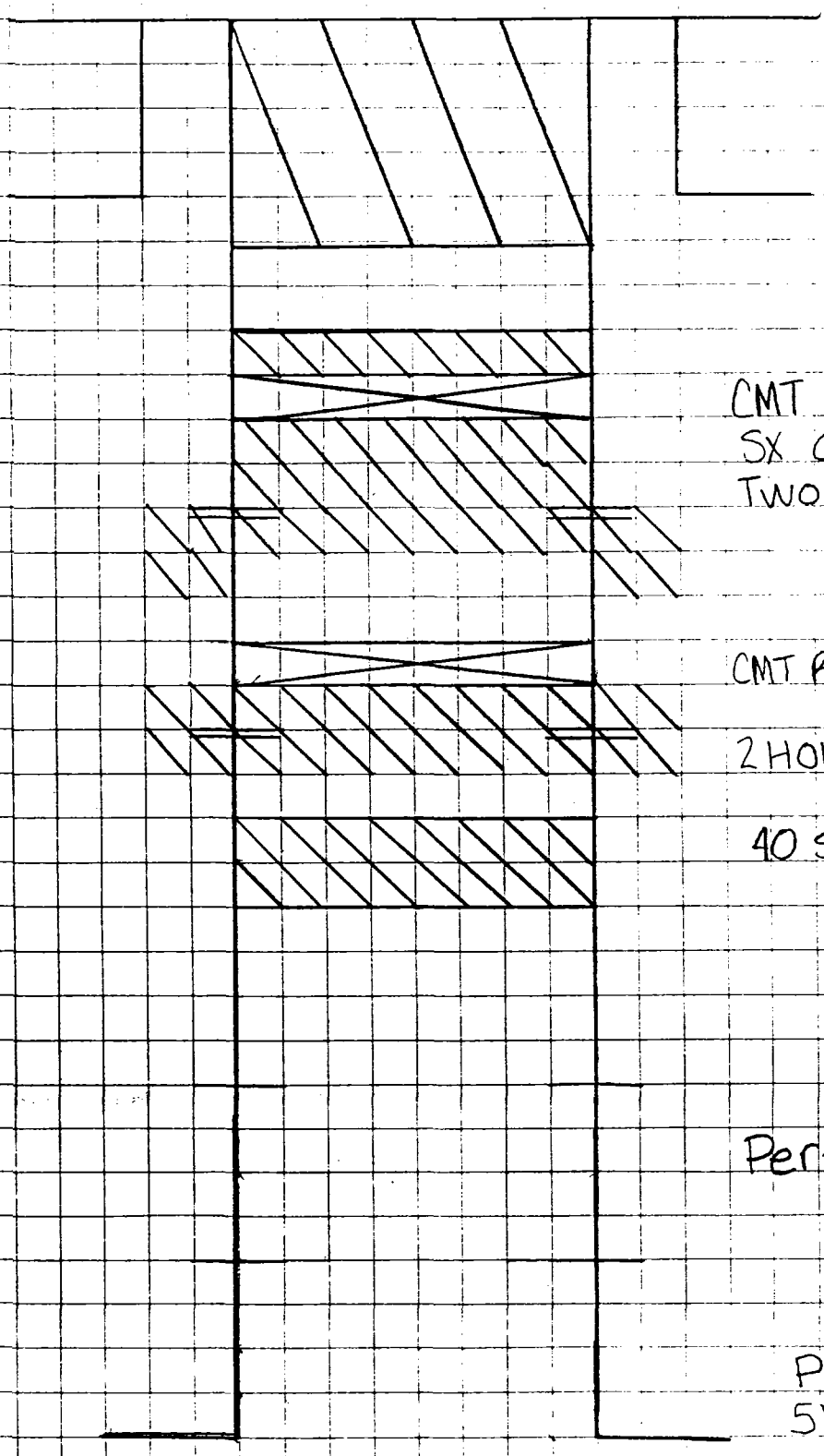
P & A 3/58

6/29/94

Cities Service Oil + Gas Corp.

SMGSAU Tract 5 #10

990'FNL + 2310'FEL, Unit B, Section 29-17S-33E



8 5/8" SA 289'
w/ 200 sx - circ.
38 sx 376' - surface

CMT Retainer @ 1127' w/ 20 sx on top
Two holes @ 1250'

CMT RETAINER @ 2568'

2 HOLES @ 2685'

40 sx 3202' - 2802'

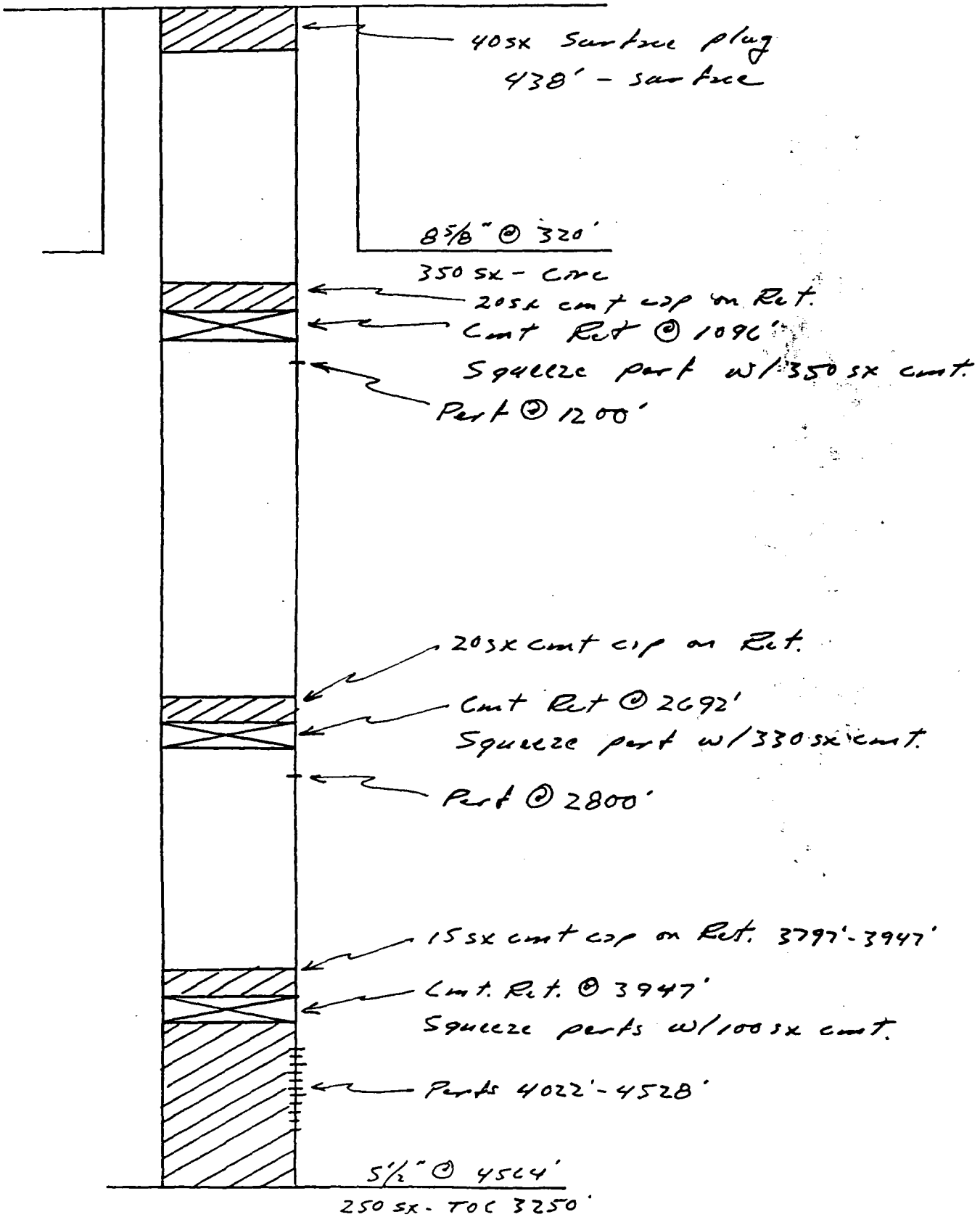
Perf 4110-4440

PBTD 4482'
5 1/2 SA 4497 w/ 250 sx

TD 4499'
P+A 6-15-83

Well Name: CITIES SERVICE SMGSAU #8

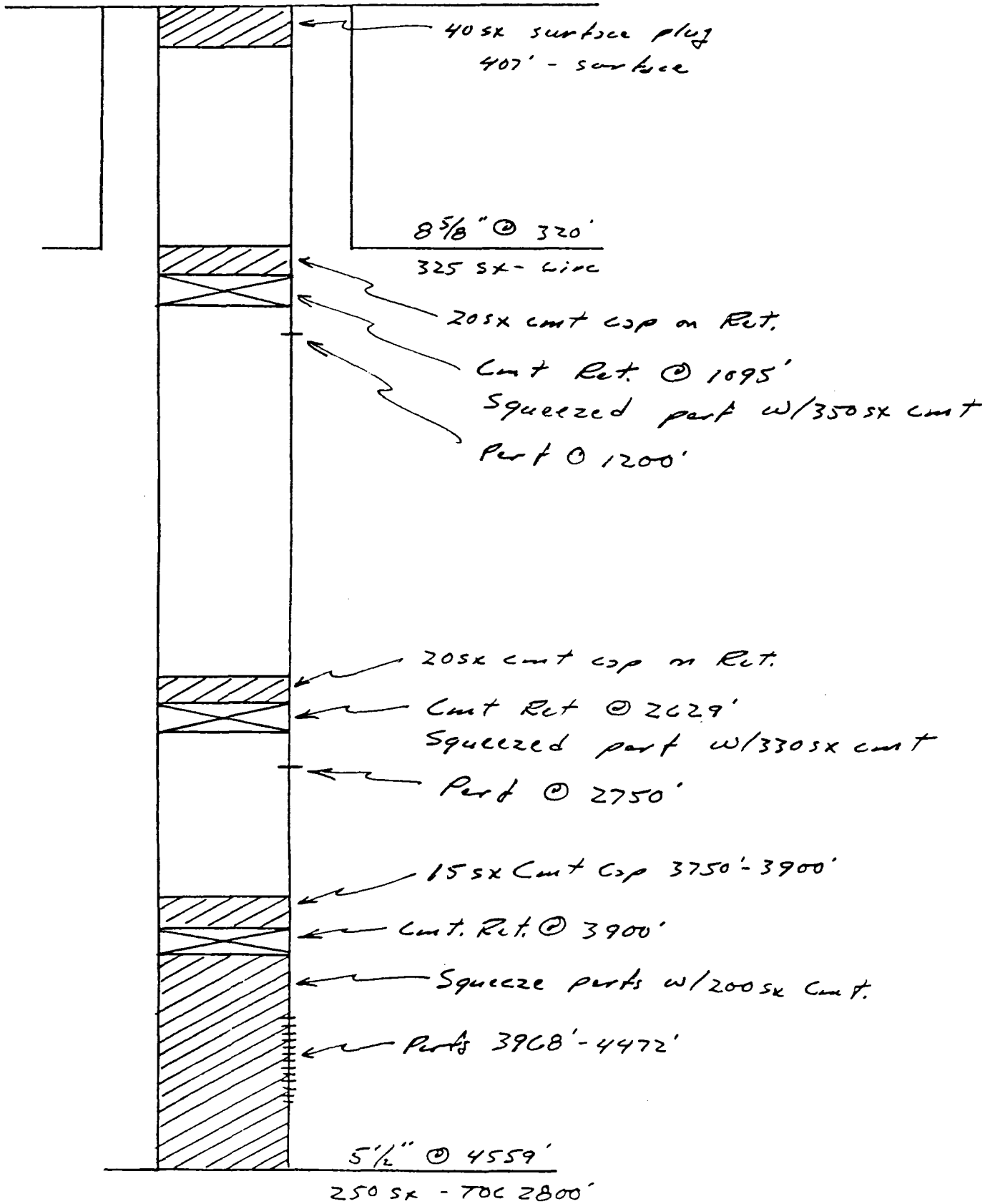
Date P & A: Apr 1983



TD 4565'

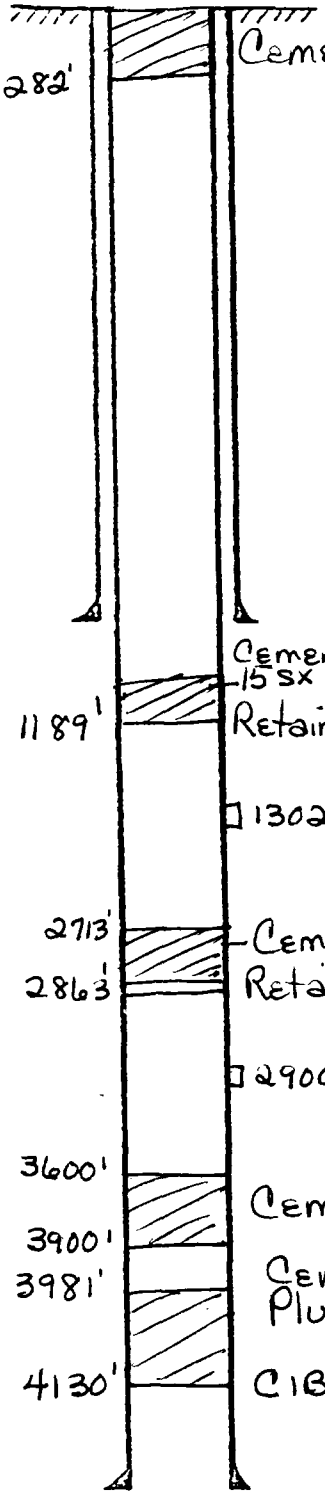
Well Name: CITIES SERVICE SMGSAU # 7

Date P & A: Apr 1983



TD 4560'

OPERATOR			DATE
Cities Service Oil + Gas Corp.			P+A
LEASE		WELL No.	LOCATION
B-2229 SMGSAU Tr 5		4	1980' FNL, 1980' FEL, Unit G Sec. 29, 17S-33E



9 5/8 " casing set at 1300 ' with 700 sx of _____ cemer

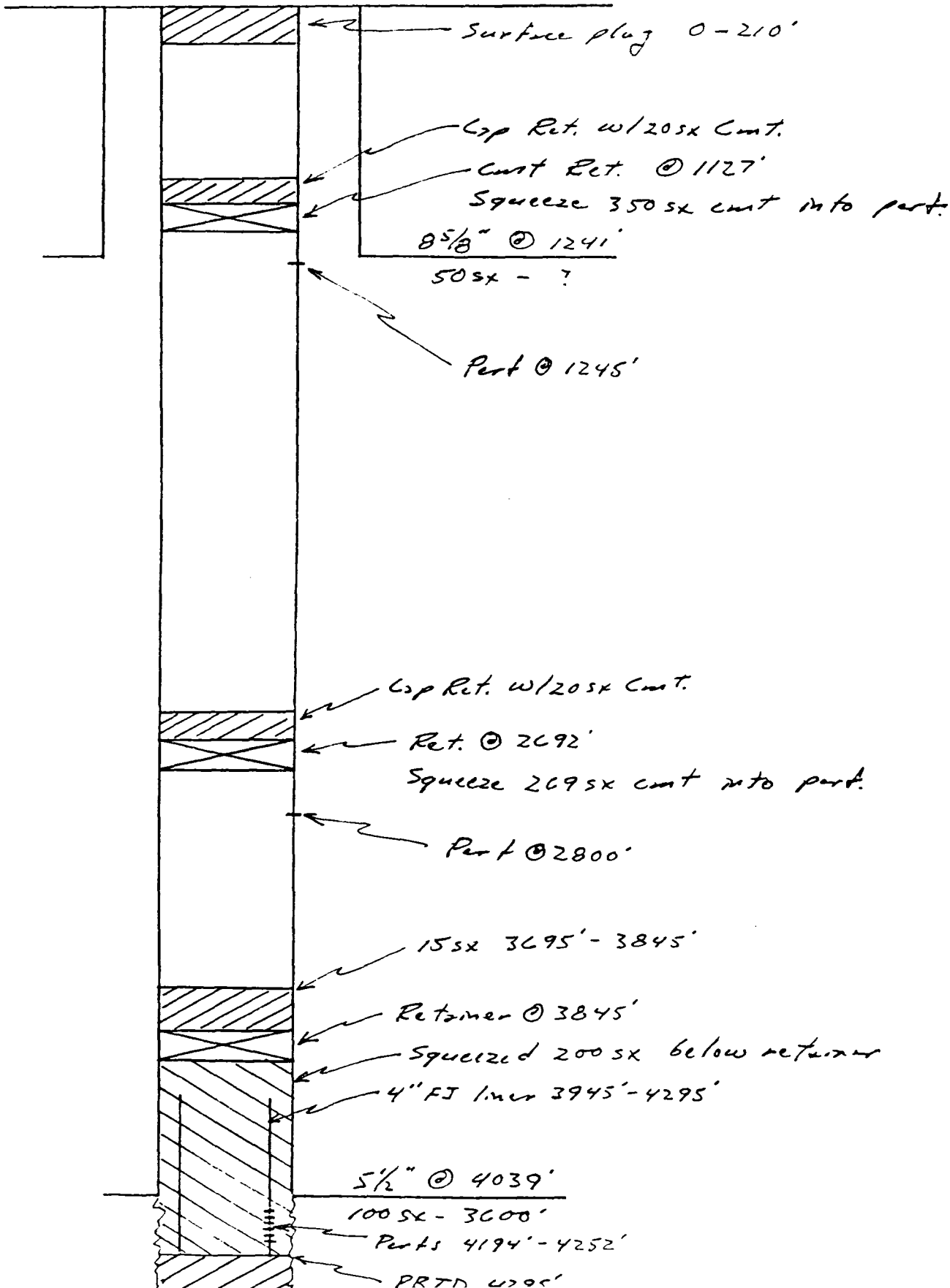
Hole size 12 "

7 " casing set at 4025 ' with 250 sx of _____ cer

Total Depth 4440 ' Hole size 9 5/8 "

Well Name: CITIES SERVICE SMGSAU #4

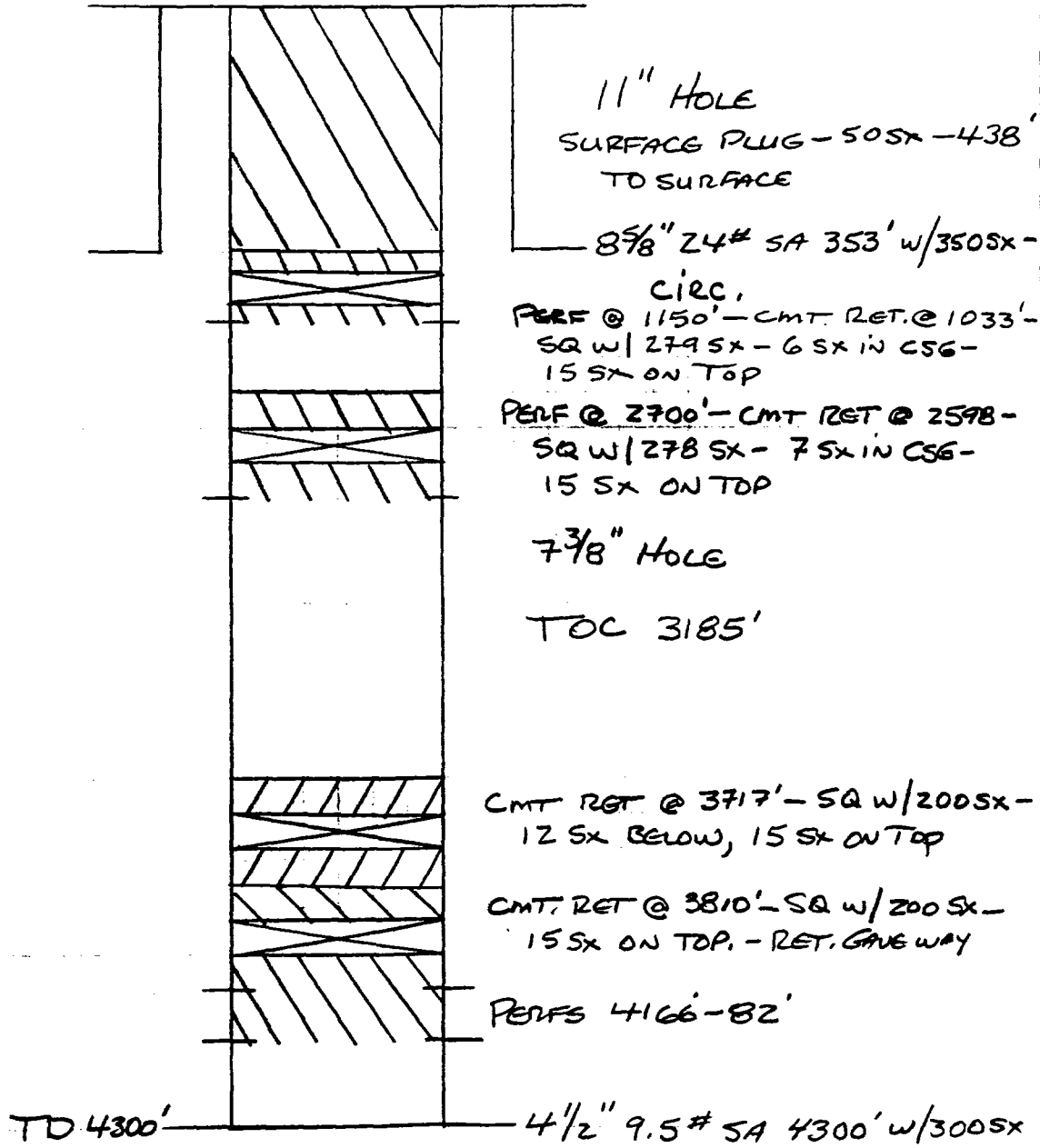
Date P & A: Jun 1983



CITIES SERVICE SMGSAU # 5

30"B" – 17S – 33E

5/1/67

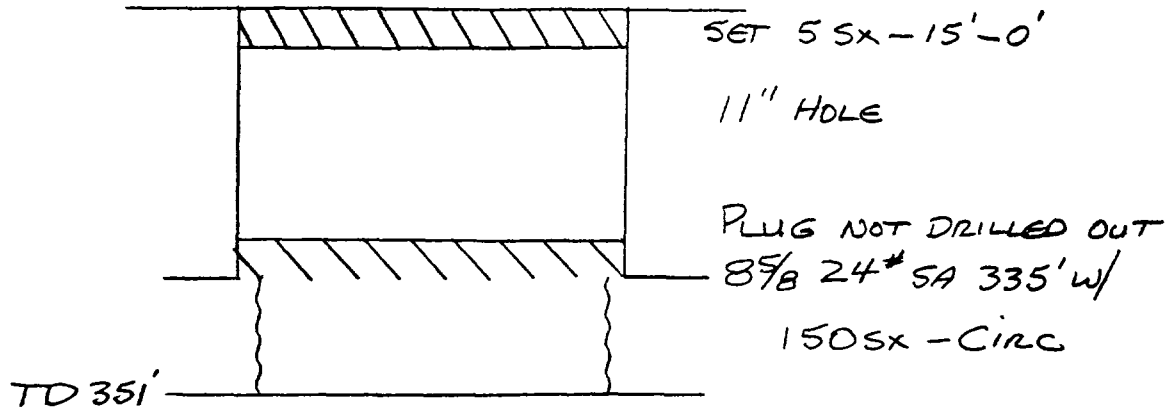


P&A 6/83

7/1/94

ZAPATA PHILLIPS FED'L #2

33"B"-175-33E



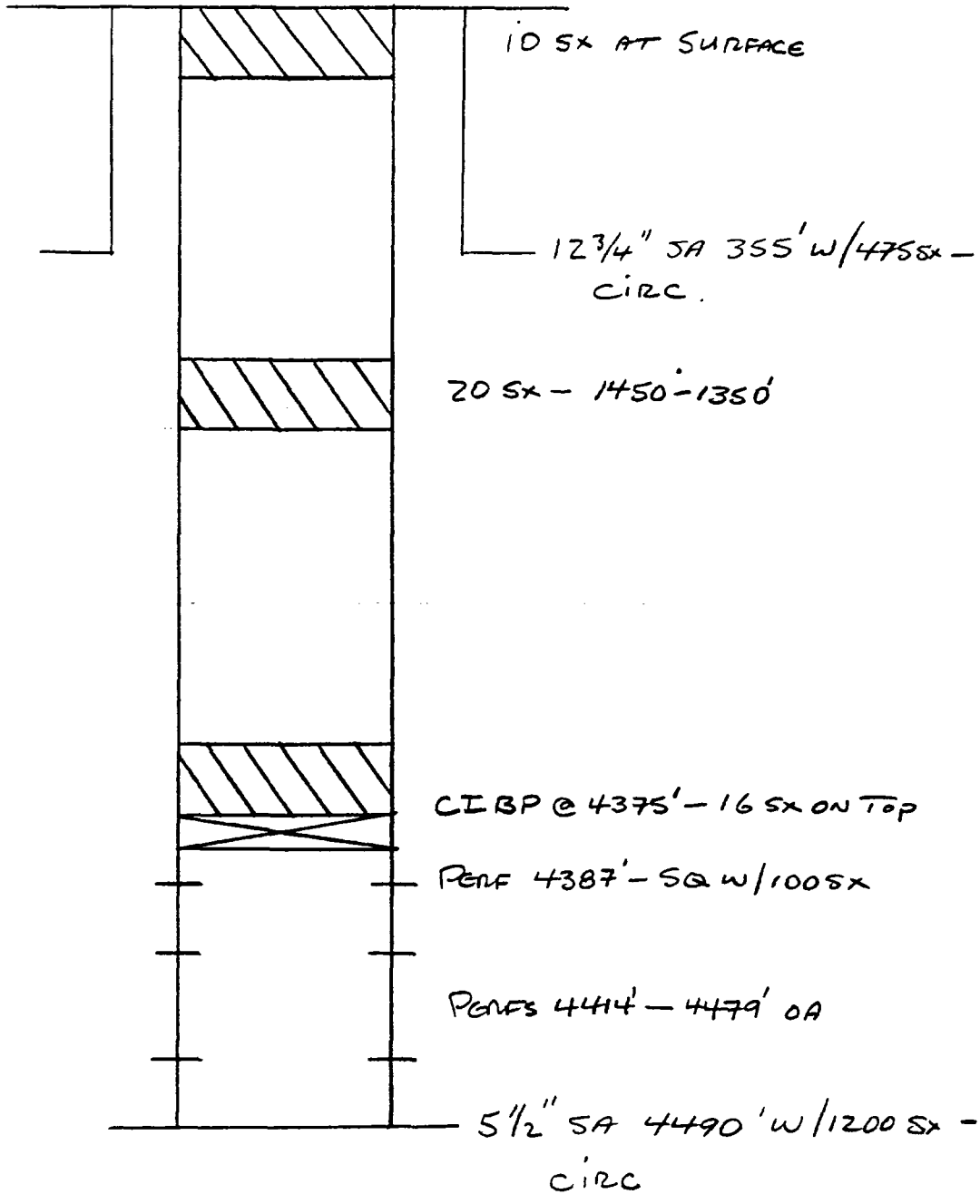
P&A 1/20/58

H 7/15/94

PENNZOIL PHILLIPS FED'L #4

33"B"-175-33E

5/20/78



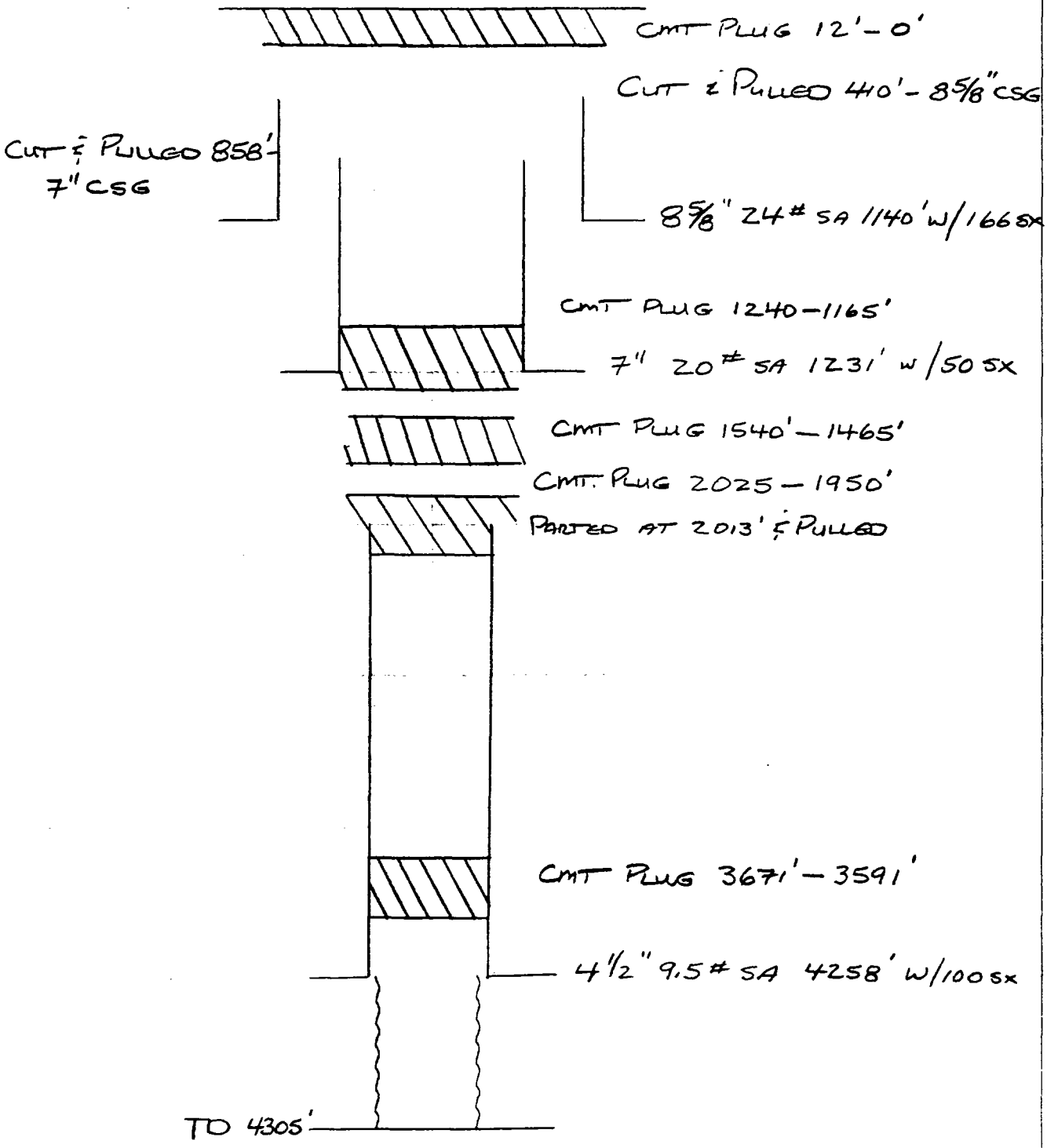
P&A 8/12/80

N 7/5/94

DENIUS WYATT PHILLIPS FED #5.

33"C" – 175 – 33E

1/28/55



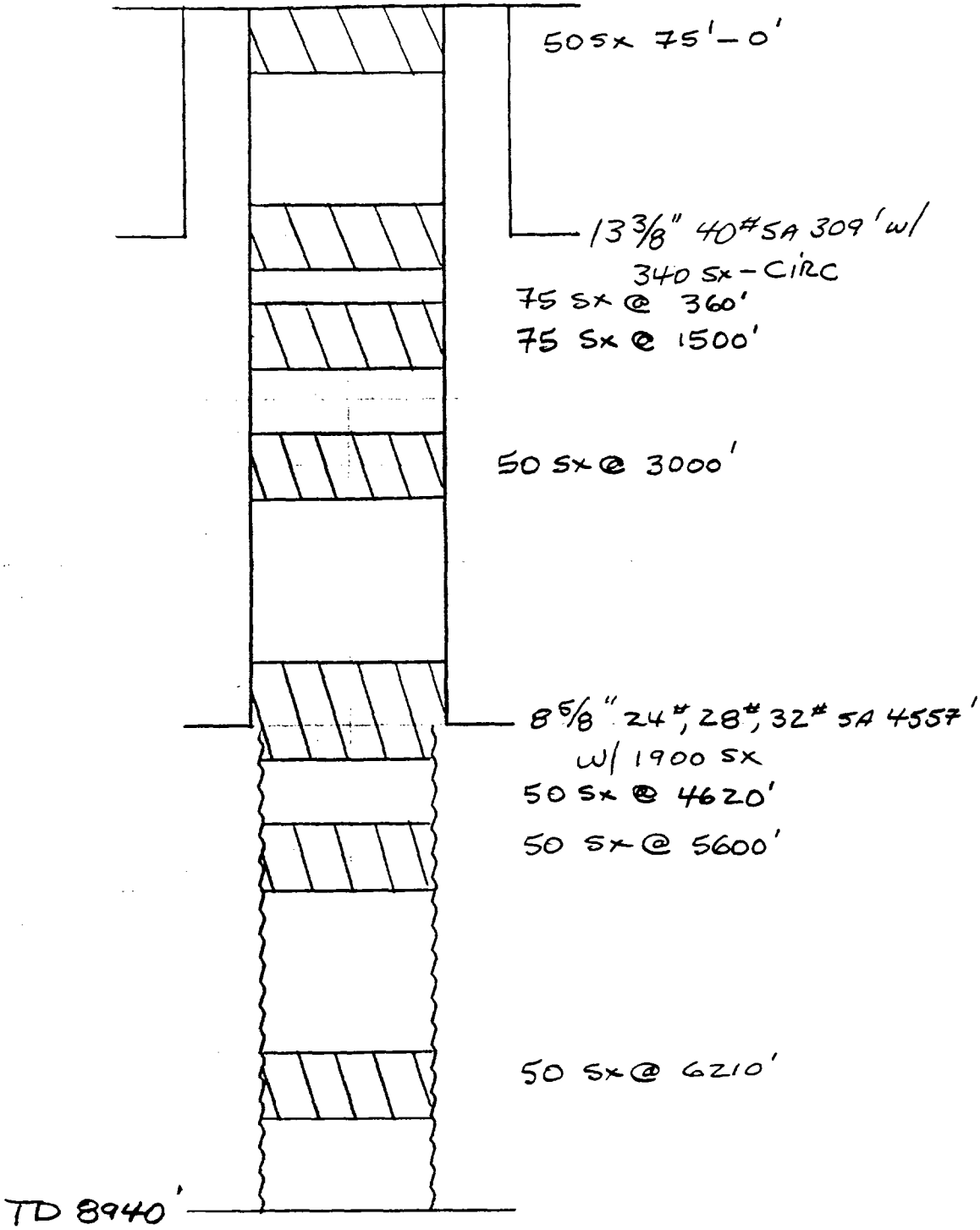
P&A 11/24/59

H 7/5/94

PHILLIPS COCKBURN FEDERAL #1

33"I" - 175 - 33E

4/20/61

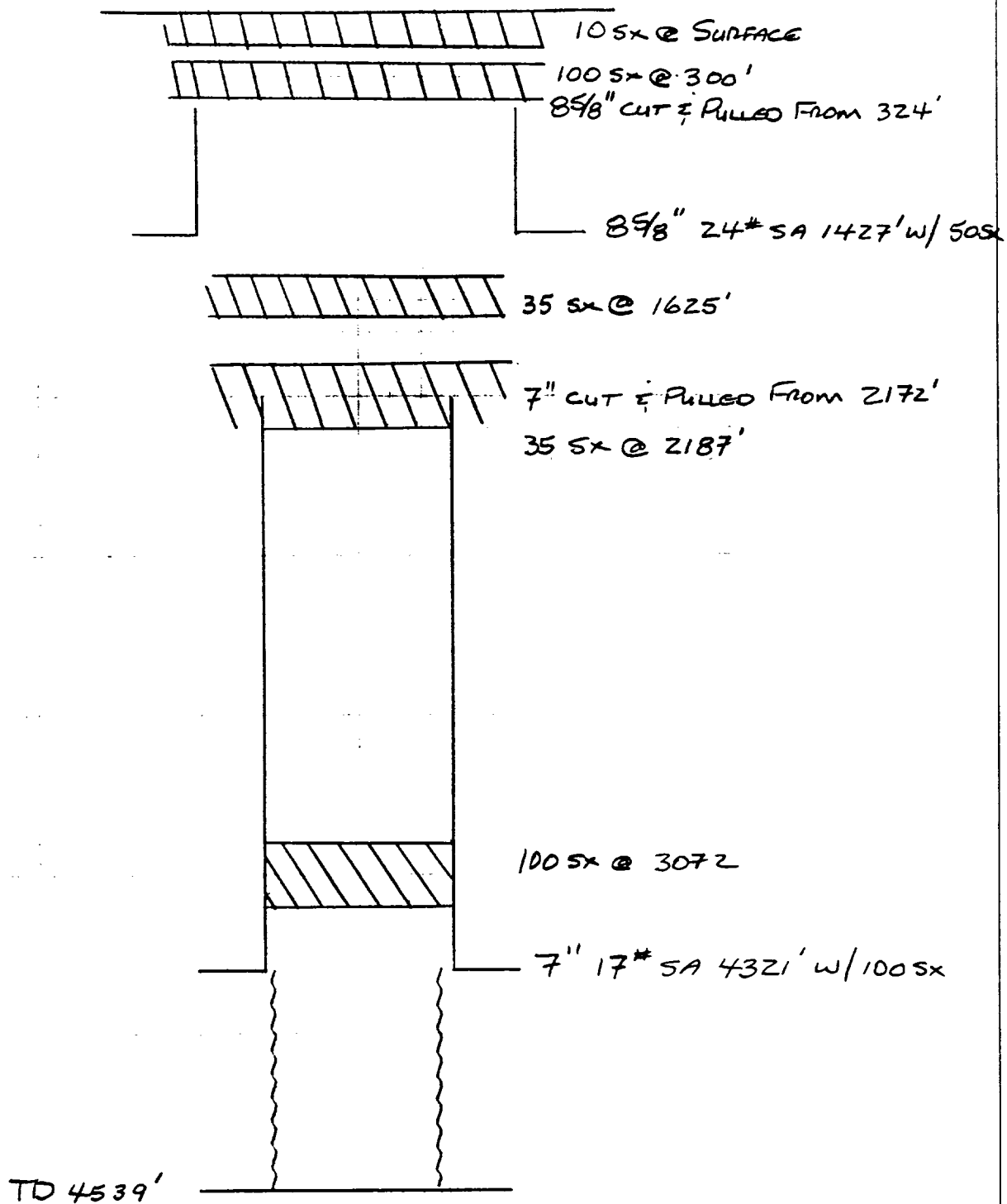


P & A 2/12/85

HL 7/1/94

TARGET COCKBURN FED'L #3

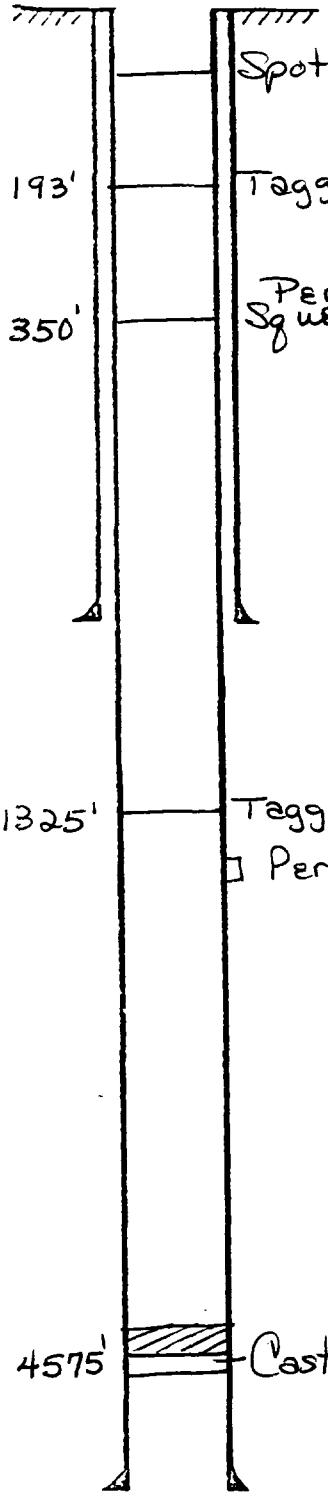
33"J"-17S-33E



P & A 10/7/74

A 7/5/94

OPERATOR			DATE
Grauten + Pepper			P+A 5-12-90
LEASE	WELL No.	LOCATION	
NM-04242 Denius Federal	10	2310' FSL, 2117' FWL, Unit K Sec. 33, 17S-33E	



Spot 50' surface Plug

193' Tagged top of plug

350' Perf Squeeze / 50 sx

11 3/4 " casing set at 314 ' with 275 sx of _____ cemer

Hole size ? "

1325' Tagged Top of Plug

Perf 1400' - squeez/50 sx

Left all 4 1/2" casing in hole.

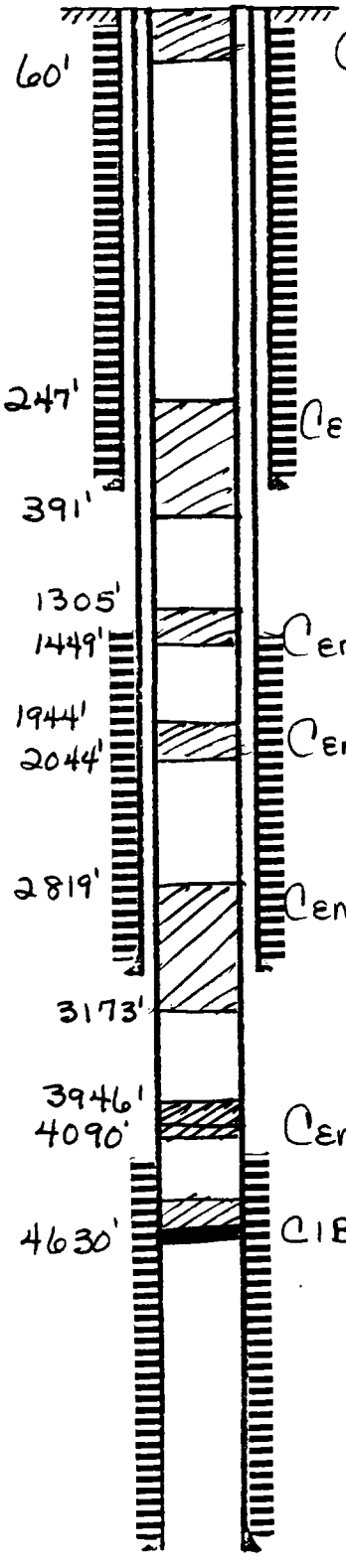
4575' Cast Iron Bridge Plug - 14 sx

4 1/2 " casing set at 4710 ' with 1200 sx of _____ cer

Total Depth 4710 ' Hole size ? "

OPERATOR			DATE
Oxy USA Inc.			P+A 11-22-88
LEASE		WELL No.	LOCATION
LC-062391	Wyatt-A Federal	4	990' FSL, 1650' FEL, Unit O

Sec. 33, T17S-R33E



Cement Surface Plug - 18 sx

Cement Plug - 40 sx

13 3/8 " casing set at 310 ' with 340 sx of _____ cement

Hole size ? "

Cement Plug - 40 sx across Top of Salt Zone

Cement Plug - 17 sx

Cement Plug - 25 sx

8 5/8 " casing set at 3105 ' with 3105 sx of _____ cement

Hole size ? "

Cement Plug - 10 sx across Top of Queen Fm.

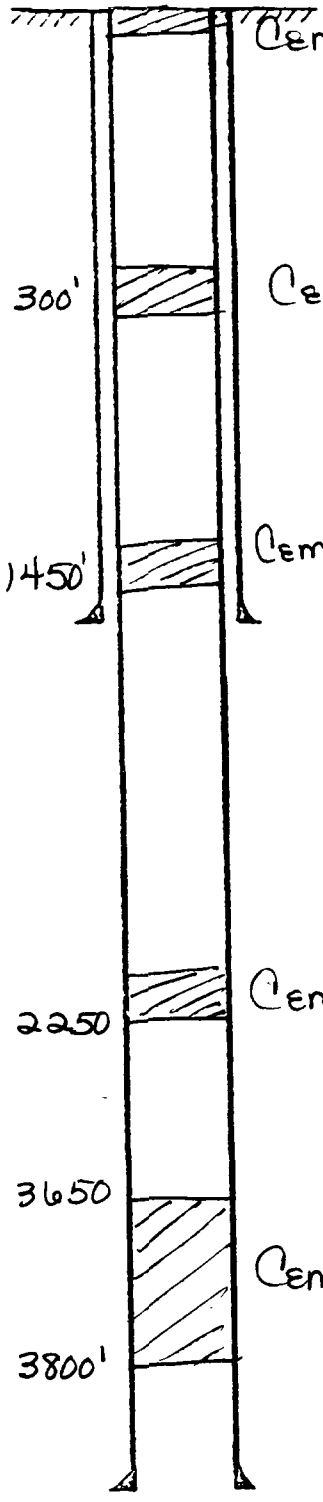
CIBP - 2 sx

4 1/2 " casing set at 8790 ' with 1325 sx of _____ cement

Total depth 8797 ' Hole size ? "

OPERATOR			DATE
Target Prod. Co.			P+A 4-26-74
LEASE	WELL No.	LOCATION	
NM801 Wyatt Phillips #2	9	990' FNL, 660' FWL, Unit C	

Sec. 34, 17S-33E



8 " casing set at 1453 ' with 50 sx of _____ cemer

Hole size ? "

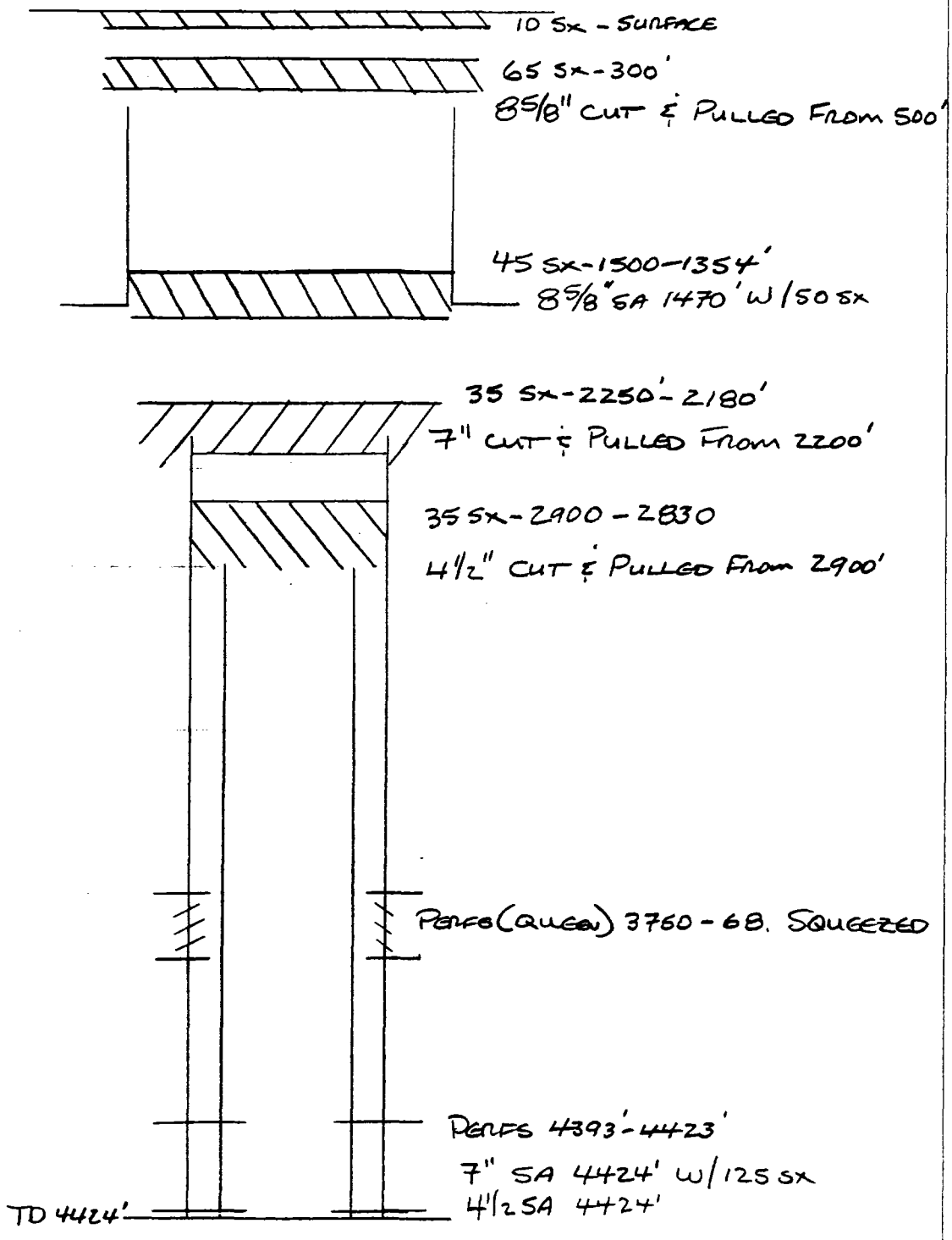
7 " casing set at 3787 ' with 100 sx of _____ cer

Total Depth 4523 ' Hole size ? "

TARGET WYATT PHILLIPS #8

34"D"-17S-33E

5/15/54

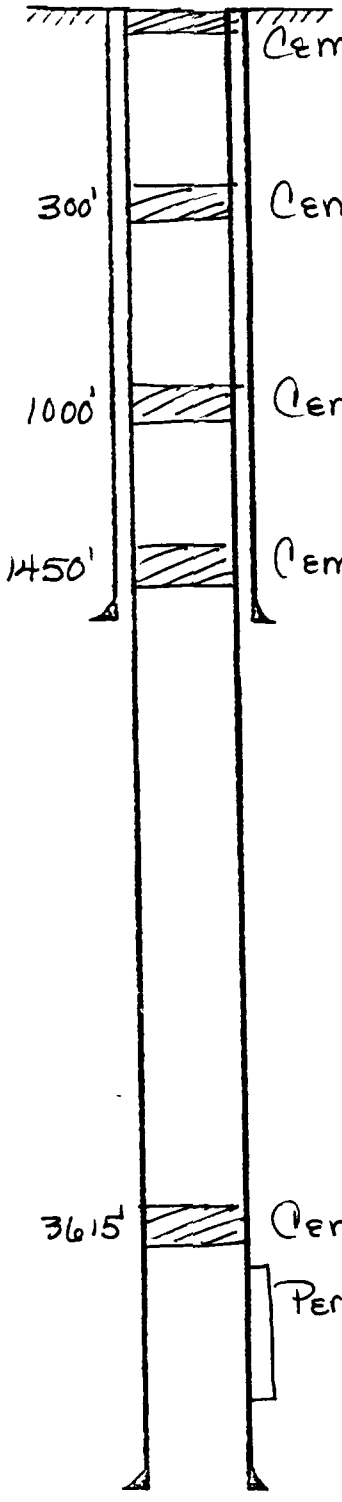


P&A 11/29/73

4/7/94

OPERATOR			DATE
Target Production Company			P+A 4-26-74
LEASE		WELL No.	LOCATION
nm-801	Wyatt Phillips	1	2310' FNL, 330' FWL, Unit E

Sec. 34, 17S-33E



Cement Plug - 10 sx

300' Cement Plug - 65 sx

1000' Cement Plug - 35 sx

1450' Cement Plug - 45 sx

8 5/8 " casing set at 1452 ' with 50 sx of _____ cemer

Hole size ? "

3615' Cement Plug - 25 sx

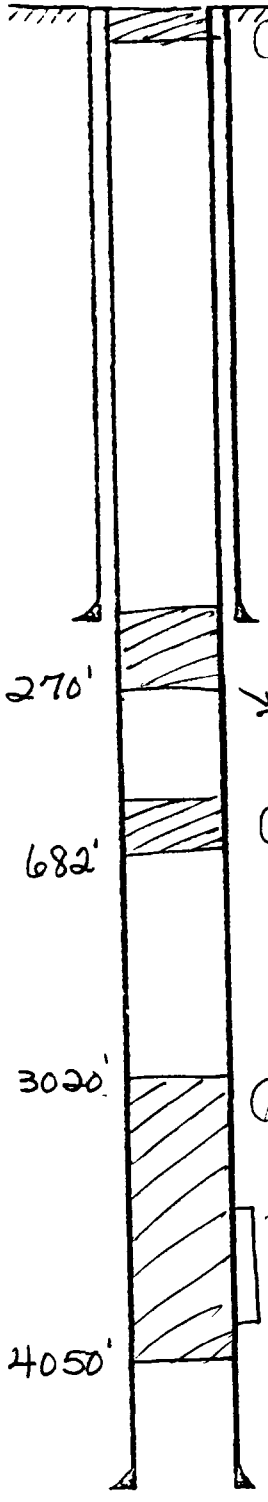
Perfs: 3745 - 3751'
3763 - 3781'

7 " casing set at 3782 ' with 135 sx of _____ cer

Total Depth 3792 ' Hole size ? "

OPERATOR			DATE
Target Prod. Co.			P+A 4-26-74
LEASE		WELL No.	LOCATION
nm-801 Wyatt Phillips		11	1980' FNL; 660' FWL, Unit E

Sec. 34, 17S-33E



Cement Plug - 10 sx

8 5/8" casing set at 207' with 75 sx of _____ cemer

Hole size ? "

270'

Cement Plug - 65 sx

682'

Cement Plug - 35 sx

3020'

Cement Plug - 25 sx

Perfs: 3750-58'

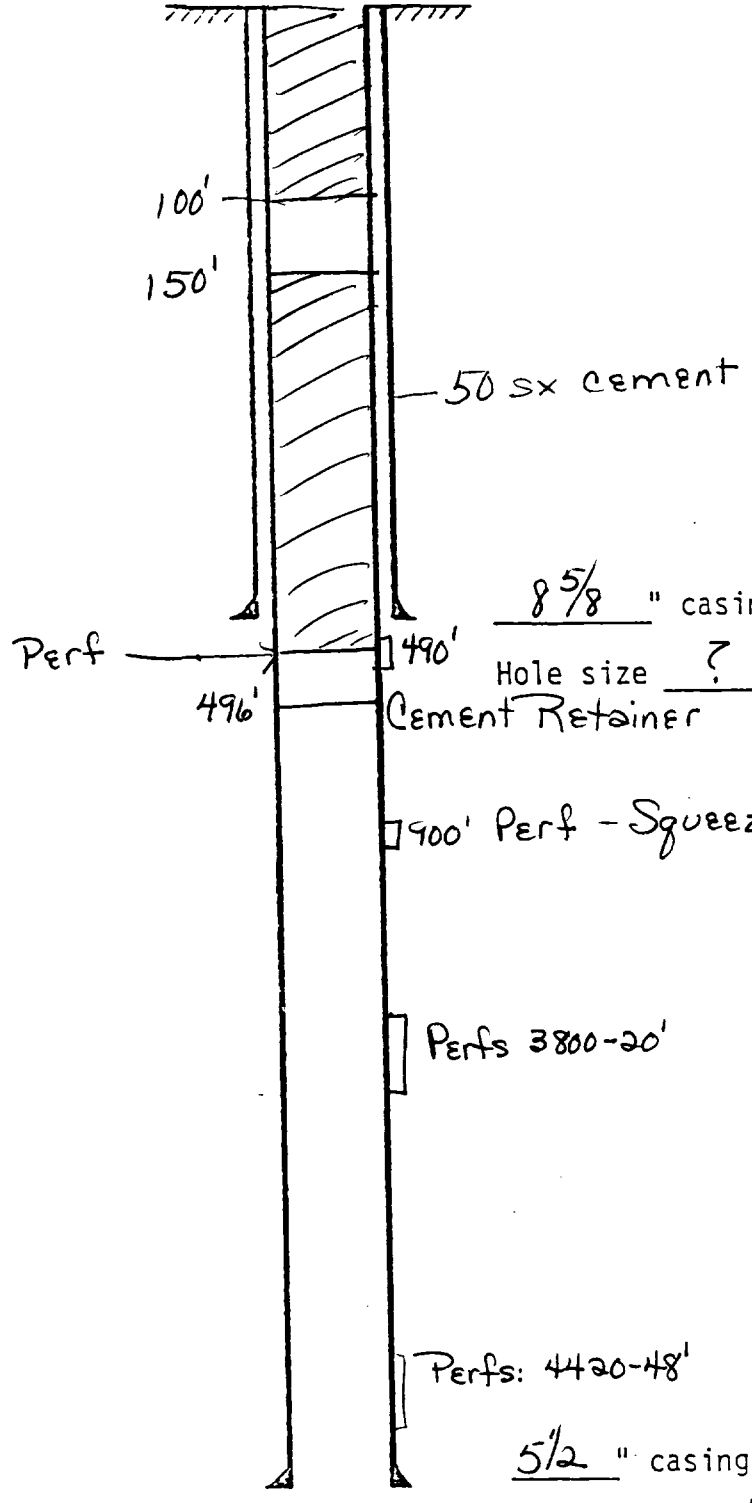
4050'

5 1/2" casing set at 4998' with 700 sx of _____ cer

Total Depth 5170' Hole size ? "

OPERATOR			DATE
M+W of Lovington, Inc.			P+A 2-6-90
LEASE		WELL No.	LOCATION
nm-04242	Cockburn Federal	8	2310 FSL, 330' FWL, Unit L

Sec. 34, 17S-33E



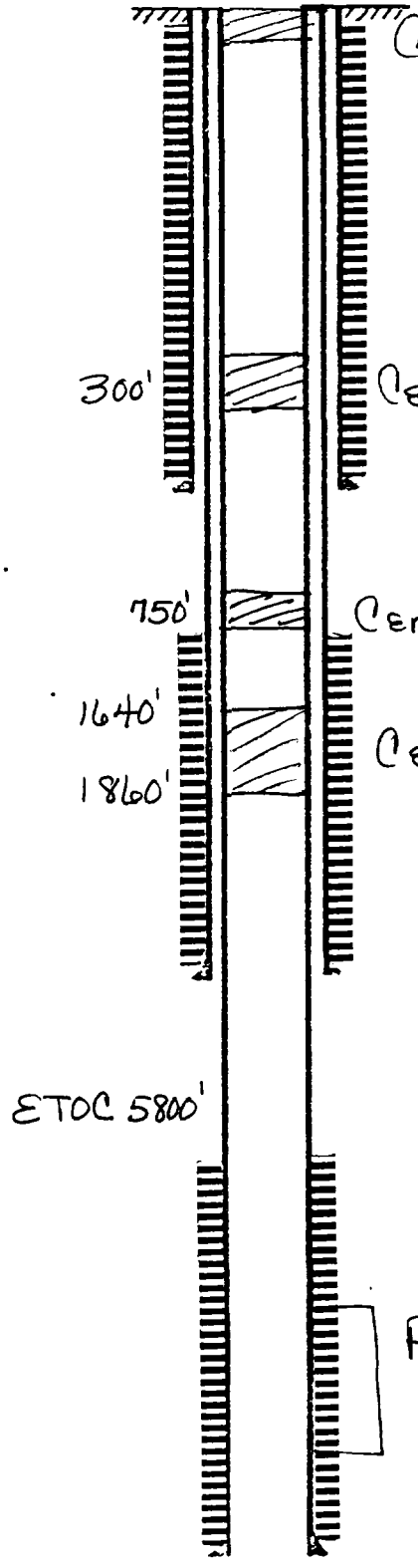
8 5/8 " casing set at 222 ' with 75 sx of _____ cemer

Hole size ? "

5 1/2 " casing set at 4344 ' with 600 sx of _____ cer

Total Depth 4807 ' Hole size ? "

OPERATOR			DATE
Target Production Co.			P+A 4-26-74
LEASE	WELL No.	LOCATION	
LC-060967 Wyatt Phillips	12	2310' FNL, 1879' FWL, Unit F Sec. 34, 17S-33E	



Cement Plug - 10 sx

Cement Plug - 55 sx

13 3/8 " casing set at 343 ' with 350 sx of _____ cement

Hole size 17 3/4 "

Cement Plug - 45 sx

Cement Plug - 35 sx

8 5/8 " casing set at 4595 ' with 600 sx of _____ cement

Hole size 11 "

Perfs: 8044-8122'

5 1/2 " casing set at 8871 ' with 377 sx of _____ cement

Total depth 8873 ' Hole size ? "

C-108
APPLICATION FOR AUTHORIZATION TO INJECT

VII. PROPOSED OPERATION

1. Average Daily Rate of Fluids to be Injected: 175 BWPD
   Maximum Daily Rate of Fluids to be Injected: 250 BWPD

2. This is to be a closed injection system.

3. Average Injection Pressure: 500 psi
   Maximum Injection Pressure; 920 psi

4. Injection fluid will be obtained from the following sources:

   Produced water: Water Analysis Reports on water produced from Batteries A & B of the Caprock Maljamar Unit, as prepared by Joe Hughes of Permian Treating Chemicals, are attached as Exhibit VII-A. The data contained therein is representative of water produced across the entire unit.

   Extraneous Water: A Water Analysis Report on extraneous water to be obtained from Double Eagle (City of Carlsbad), as prepared by Joe Hughes of Permian Treating Chemicals, is attached as Exhibit VII-B.

   The Wiser Oil Company will use water from Double Eagle temporarily until water from Conoco has been secured and tied in. At that time, The Wiser Oil Company will provide a Conoco water analysis.

CMU PRODUCED WATER

Exhibit VII-A-1

Permian Treating Chemicals

WATER ANALYSIS REPORT

SAMPLE

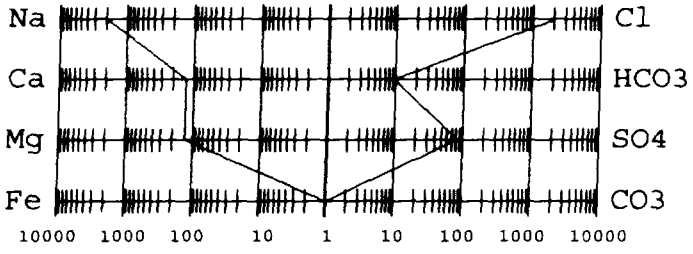
Oil Co. : **Wiser Oil Co.**
Lease : **CMU Battery 'A'**
Well No.: **Water Transfer Pump**
Salesman:

Sample Loc. :
Date Reported: **30-May-1996**
Date Sampled : **30-May-1996**

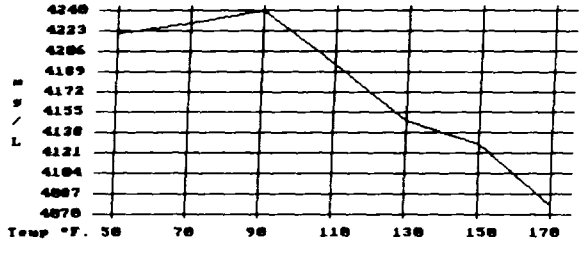
ANALYSIS

1.	pH			6.900	
2.	Specific Gravity 60/60 F.			1.092	
3.	$CaCO_3$ Saturation Index	@ 80 F.		+0.459	
		@ 140 F.		+1.339	
	Dissolved Gasses			**MG/L**	**EQ. WT.** ***MEQ/L**
4.	Hydrogen Sulfide			60	
5.	Carbon Dioxide			130	
6.	Dissolved Oxygen			0.4	
	Cations				
7.	Calcium	(Ca^{++})		2,505	/ 20.1 = 124.63
8.	Magnesium	(Mg^{++})		1,520	/ 12.2 = 124.59
9.	Sodium	(Na^{+})	(Calculated)	44,953	/ 23.0 = 1,954.48
10.	Barium	(Ba^{++})		Not Determined	
	Anions				
11.	Hydroxyl	(OH^{-})		0	/ 17.0 = 0.00
12.	Carbonate	($CO_3^{=}$)		0	/ 30.0 = 0.00
13.	Bicarbonate	(HCO_3^{-})		561	/ 61.1 = 9.18
14.	Sulfate	($SO_4^{=}$)		3,900	/ 48.8 = 79.92
15.	Chloride	(Cl^{-})		74,983	/ 35.5 = 2,112.20
16.	Total Dissolved Solids			128,422	
17.	Total Iron (Fe)			1	/ 18.2 = 0.05
18.	Total Hardness As $CaCO_3$			12,511	
19.	Resistivity @ 75 F. (Calculated)			0.060 /cm.	

LOGARITHMIC WATER PATTERN
***meq/L.**



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X *meq/L	= mg/L.
$Ca(HCO_3)_2$	81.04	9.18	744
$CaSO_4$	68.07	79.92	5,440
$CaCl_2$	55.50	35.53	1,972
$Mg(HCO_3)_2$	73.17	0.00	0
$MgSO_4$	60.19	0.00	0
$MgCL_2$	47.62	124.59	5,933
$NaHCO_3$	84.00	0.00	0
$NaSO_4$	71.03	0.00	0
NaCl	58.46	1,952.08	114,119

***Milli Equivalents per Liter**

This water is slightly corrosive due to the pH observed on analysis.
The corrosivity is increased by the content of mineral salts, and the presence of H2S, CO2, Oxygen in solution.

CMU PRODUCED WATER Exhibit VII-A-2

Permian Treating Chemicals

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Wiser Oil Co.**
Lease : **CMU Battery 'B'**
Well No.: **Water Transfer Pump**
Salesman:

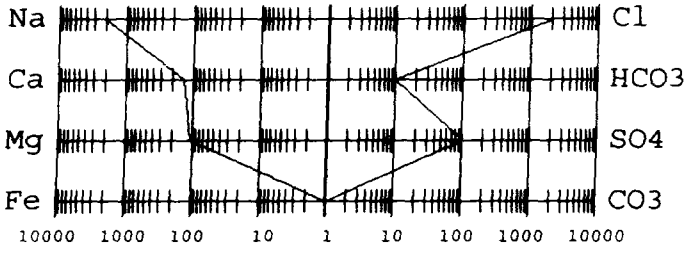
Sample Loc. :
Date Reported: **30-May-1996**
Date Sampled : **30-May-1996**

ANALYSIS

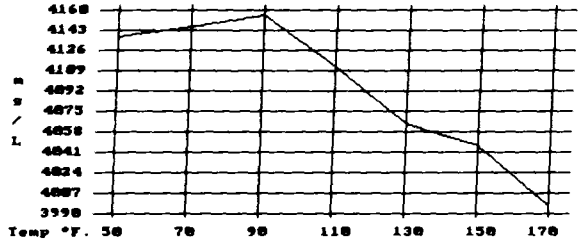
1.	pH		**6.500**	
2.	Specific Gravity 60/60 F.		**1.091**	
3.	$CaCO_3$ Saturation Index	@ 80 F.	**+0.095**	
		@ 140 F.	**+0.975**	

	Dissolved Gasses	**MG/L**	**EQ. WT.**	***MEQ/L**
4.	Hydrogen Sulfide	60		
5.	Carbon Dioxide	150		
6.	Dissolved Oxygen	0.6		
	Cations			
7.	Calcium (Ca^{++})	2,605	/ 20.1 =	129.60
8.	Magnesium (Mg^{++})	1,276	/ 12.2 =	104.59
9.	Sodium (Na^{+}) (Calculated)	45,740	/ 23.0 =	1,988.70
10.	Barium (Ba^{++})	Not Determined		
	Anions			
11.	Hydroxyl (OH^{-})	0	/ 17.0 =	0.00
12.	Carbonate ($CO_3^{=}$)	0	/ 30.0 =	0.00
13.	Bicarbonate (HCO_3^{-})	586	/ 61.1 =	9.59
14.	Sulfate ($SO_4^{=}$)	4,800	/ 48.8 =	98.36
15.	Chloride (Cl^{-})	74,983	/ 35.5 =	2,112.20
16.	Total Dissolved Solids	129,990		
17.	Total Iron (Fe)	2	/ 18.2 =	0.08
18.	Total Hardness As $CaCO_3$	11,760		
19.	Resistivity @ 75 F. (Calculated)	0.059 /cm.		

LOGARITHMIC WATER PATTERN
***meq/L.**



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X *meq/L =	mg/L.
$Ca(HCO_3)_2$	81.04	9.59	777
$CaSO_4$	68.07	98.36	6,695
$CaCl_2$	55.50	21.65	1,202
$Mg(HCO_3)_2$	73.17	0.00	0
$MgSO_4$	60.19	0.00	0
$MgCL_2$	47.62	104.59	4,981
$NaHCO_3$	84.00	0.00	0
$NaSO_4$	71.03	0.00	0
NaCl	58.46	1,985.96	116,099

***Milli Equivalents per Liter**

This water is slightly corrosive due to the pH observed on analysis.
The corrosivity is increased by the content of mineral salts, and the presence of H2S, CO2, Oxygen in solution.

Double Eagle Fresh ([illegible]) Water
Exhibit VII-B

Permian Treating Chemicals

WATER ANALYSIS REPORT

SAMPLE

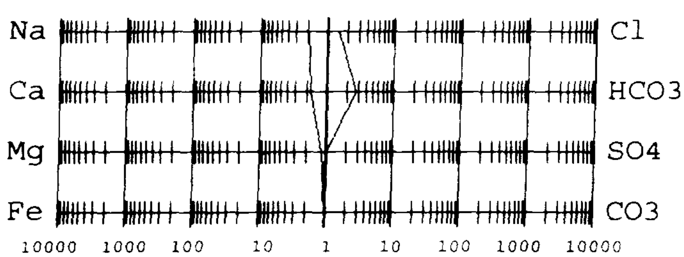
Oil Co. :	**Wiser Oil Co.**	Sample Loc. :	
Lease :	**North Plant**	Formation :	**06-June-1996**
Well No.:	**Fresh Water**	Date Analyzed:	**06-June-1996**
Salesman:			

ANALYSIS

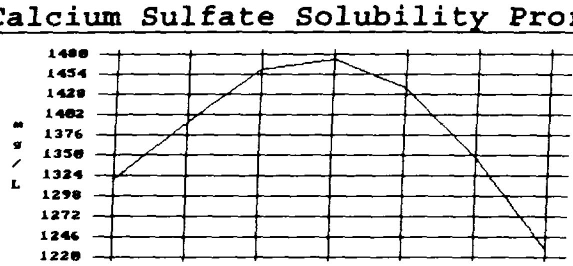
1. pH 7.760
2. Specific Gravity 60/60 F. 1.008
3. $CaCO_3$ Saturation Index @ 80 F. +0.429
   @ 140 F. +1.029

		MG/L	EQ. WT.	*MEQ/L
Dissolved Gasses				
4. Hydrogen Sulfide		Not Present		
5. Carbon Dioxide		Not Determined		
6. Dissolved Oxygen		Not Determined		
Cations				
7. Calcium	(Ca^{++})	33	/ 20.1 =	1.64
8. Magnesium	(Mg^{++})	13	/ 12.2 =	1.07
9. Sodium	(Na^{+}) (Calculated)	42	/ 23.0 =	1.83
10. Barium	(Ba^{++})	Below 10 (1)		
Anions				
11. Hydroxyl	(OH^{-})	0	/ 17.0 =	0.00
12. Carbonate	$(CO_3^{=})$	0	/ 30.0 =	0.00
13. Bicarbonate	(HCO_3^{-})	161	/ 61.1 =	2.64
14. Sulfate	$(SO_4^{=})$	23	/ 48.8 =	0.47
15. Chloride	(Cl^{-})	50	/ 35.5 =	1.41
16. Total Dissolved Solids		322		
17. Total Iron (Fe)		1	/ 18.2 =	0.05
18. Total Hardness As $CaCO_3$		138		
19. Resistivity @ 75 F. (Calculated)		2.310 /cm.		

LOGARITHMIC WATER PATTERN
***meq/L.**



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT. X	*meq/L =	mg/L.
$Ca(HCO_3)_2$	81.04	1.64	133
$CaSO_4$	68.07	0.00	0
$CaCl_2$	55.50	0.00	0
$Mg(HCO_3)_2$	73.17	0.99	73
$MgSO_4$	60.19	0.07	4
$MgCL_2$	47.62	0.00	0
$NaHCO_3$	84.00	0.00	0
$NaSO_4$	71.03	0.40	28
NaCl	58.46	1.41	82

***Milli Equivalents per Liter**

This water is mildly corrosive due to the pH observed on analysis.
The corrosivity is increased by the content of mineral salts in solution.

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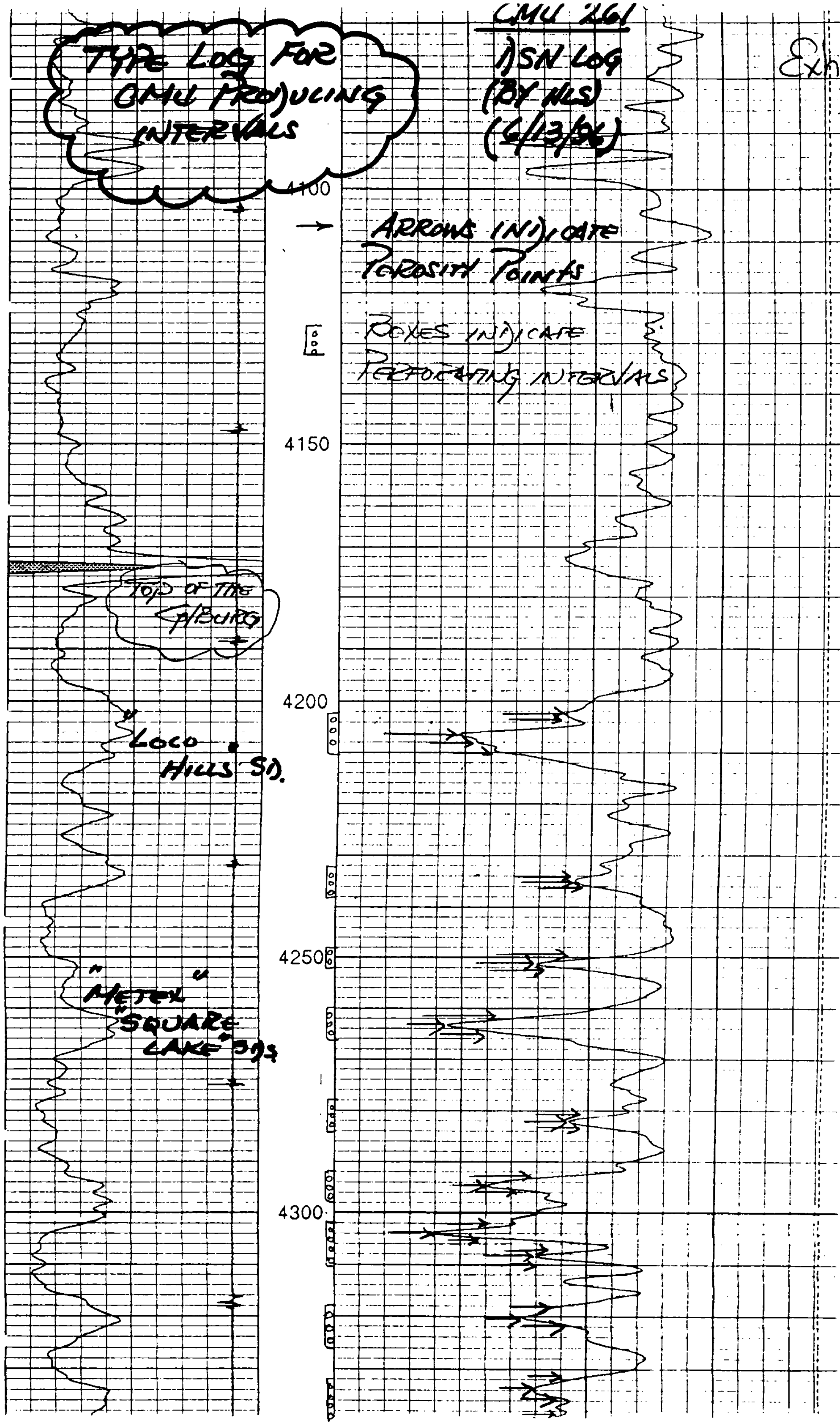
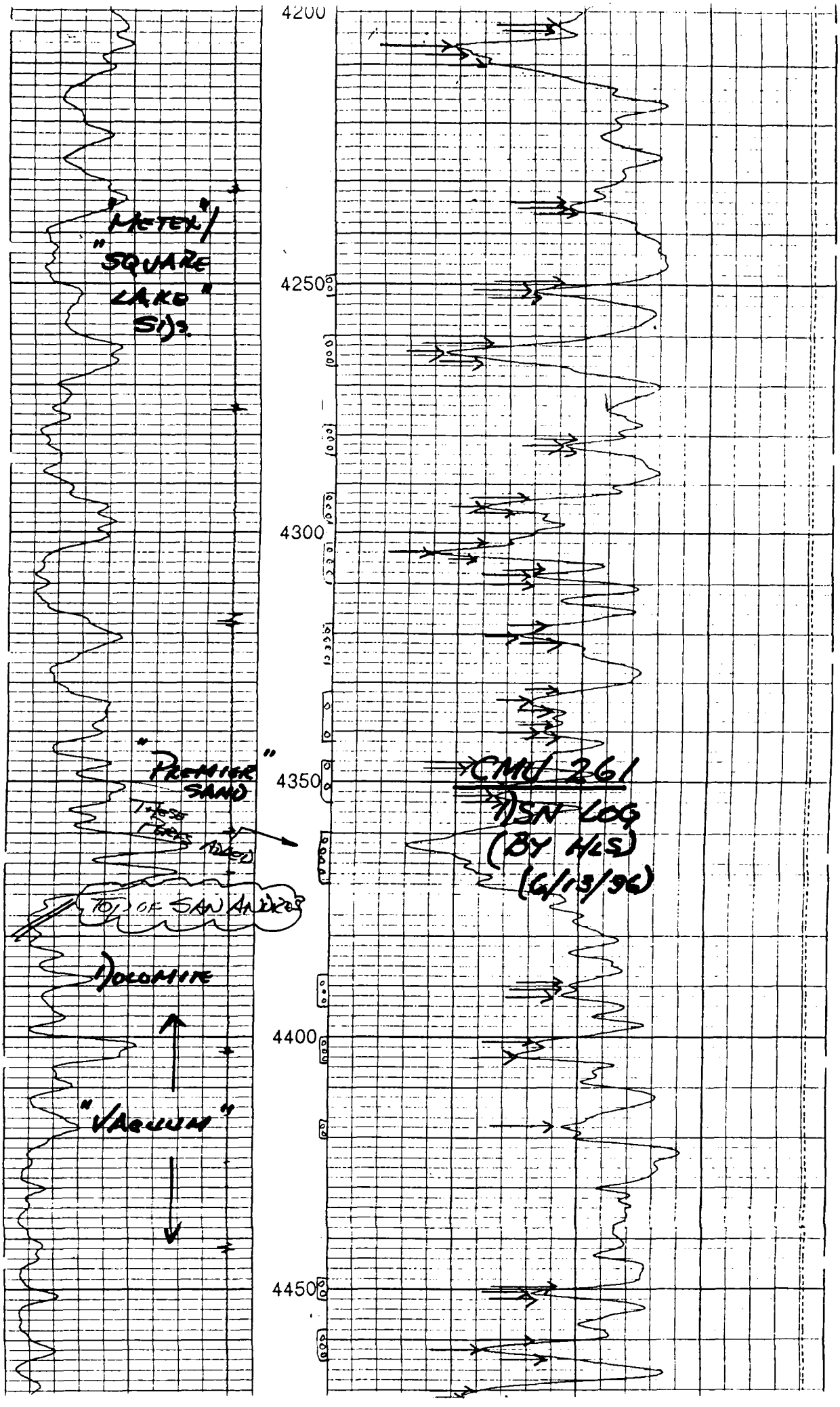
VIII. GEOLOGICAL DATA

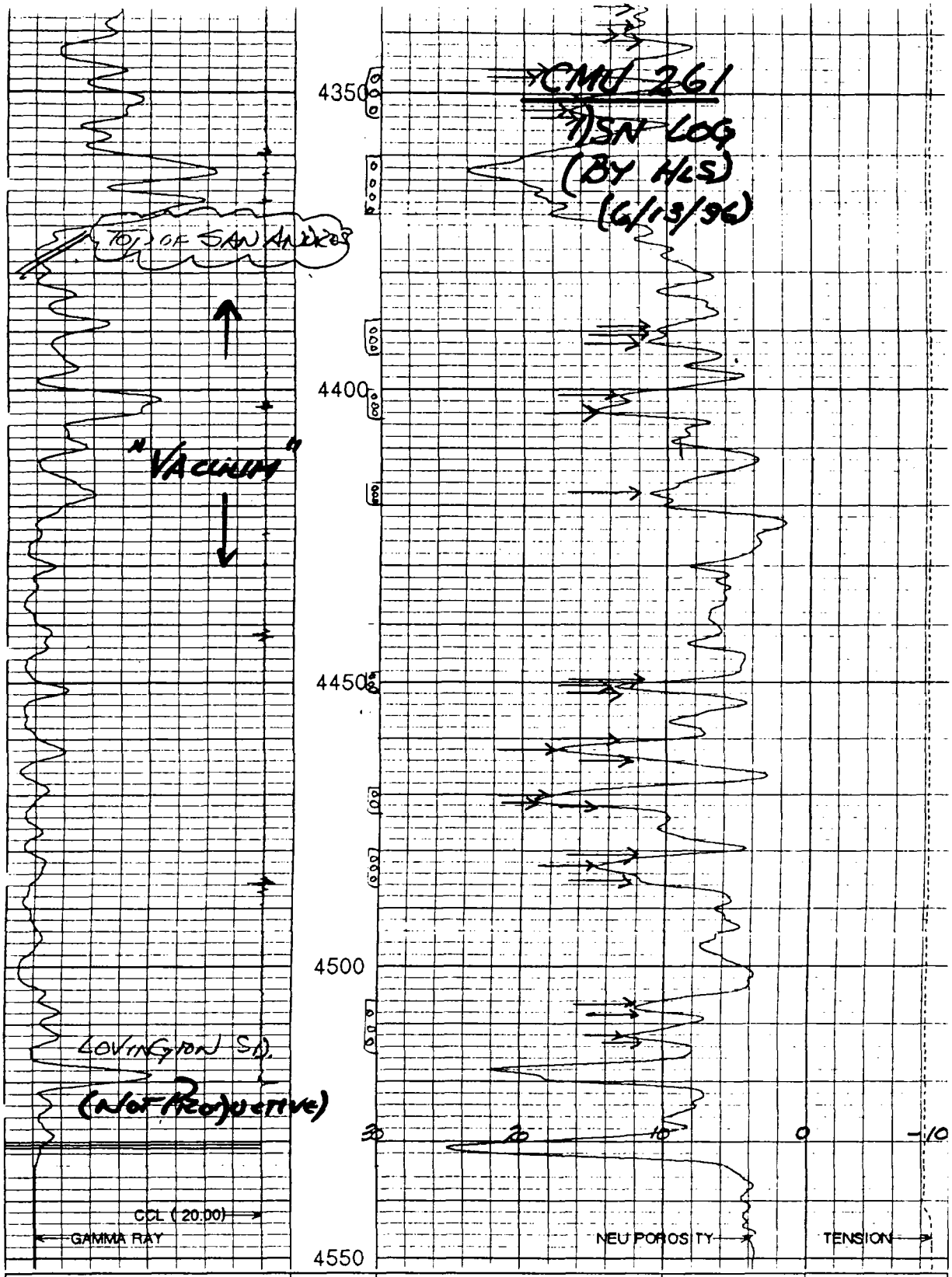
The proposed injection interval is in the Grayburg-San Andres formations at depths of 3900 to 5500 feet. The Grayburg formation primarily consists of quartz sands with dolomitic cementation; while, the San Andres formation primarily consists of dolomite with intermingled stringers of quartz sand with dolomitic cementation. The surface formation is Cretaceous and has no known sources of drinking water. The Ogallala aquifer and the Caprock overlies the northeastern portion of the Unit Area; while there are no known sources of drinking water underlying the injection interval.

Attached, as Exhibits VIII-A and VIII-B, are two Type Logs illustrating geology, lithology, thickness, and depths.

Exhibit VIII-A




4200
4250
4300
4350
4400
4450
"METEX"
"SQUARE LAKE" SDS.
"PREMIER" SAND
TOP OF SAN ANDRES
DOLOMITE
"VACUUM"
CMU 261
DSN LOG
(BY HLS)
(4/13/96)



CCL (20.00)		
0	MV	100
GAMMA RAY		
0	API COUNTS	100

	NEU POROSITY	
3000	%	-1000

TENSION		
5000	LBS	0

HALLIBURTON

Version No: 2.00 I hc:2.0
Data File: 0613_1554_r0411.5.dls
Control File: plot_01_1.spc
Raster File: 0613_1554_r0411.plot_01_1

Top Depth: ——
Bottom Depth: 4551.75
Database Time: 06-13-96 16:03:41

TYPE LOG FOR CMU SHOWING FORMATION TOPS

Exhibit VIII-B

TYPE LOG

HALLIBURTON

GAMMA COLLAR

DSN

COMP. : WISER OIL COMPANY INC.
WELL : CMU #160
FIELD : MALJAMAR GRAYBURG
COUNTY: LEA ST. N.M.

COMPANY WISER OIL COMPANY INC.

WELL CMU #160

FIELD MALJAMAR GRAYBURG SAN ANDRES

COUNTY LEA STATE N.M.

API NO. 30-025-32927 OTHER SERVICES

LOCATION :

48'FSL & 157' FWL CBL,PERF.

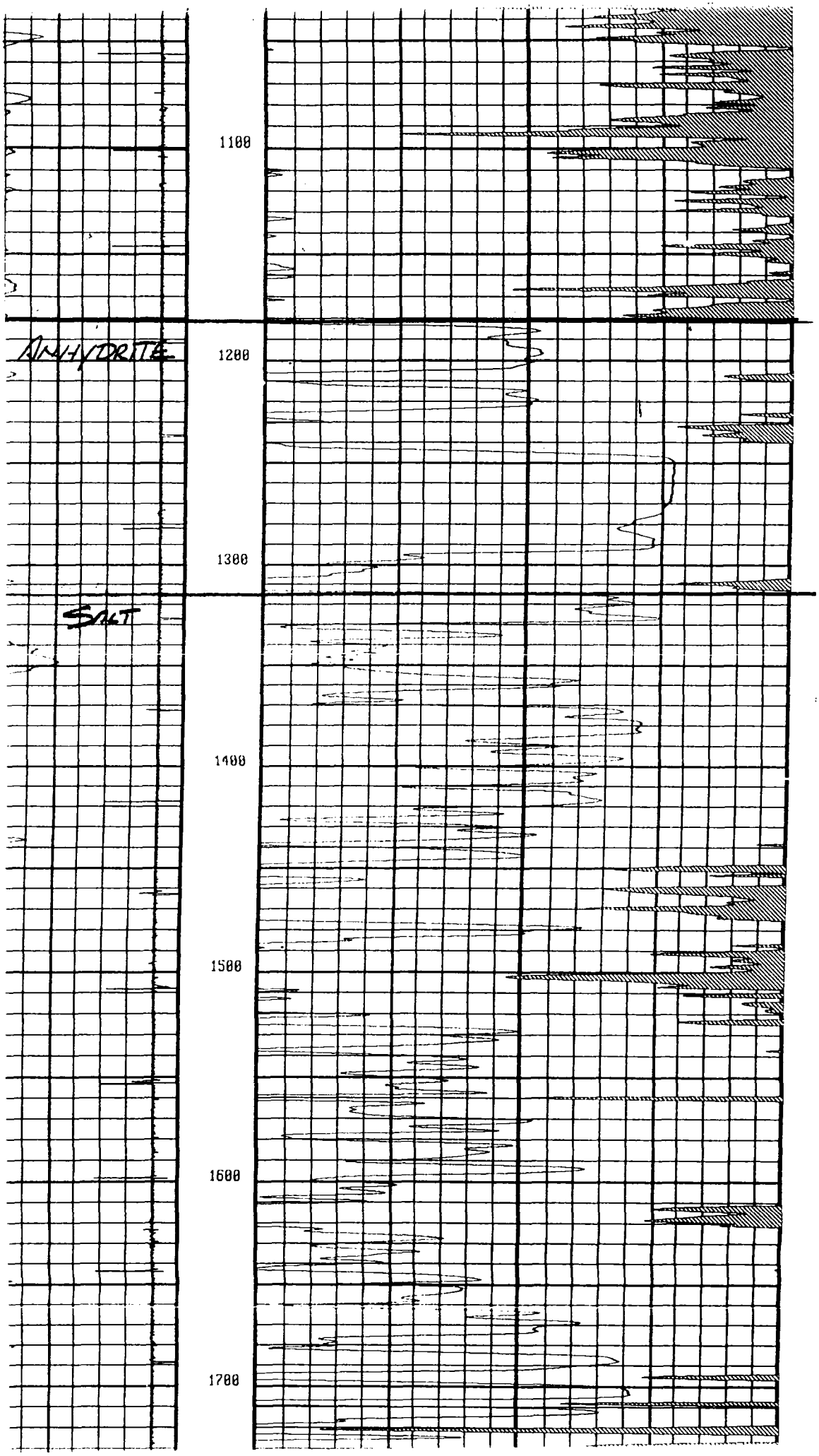
UNIT LETTER M

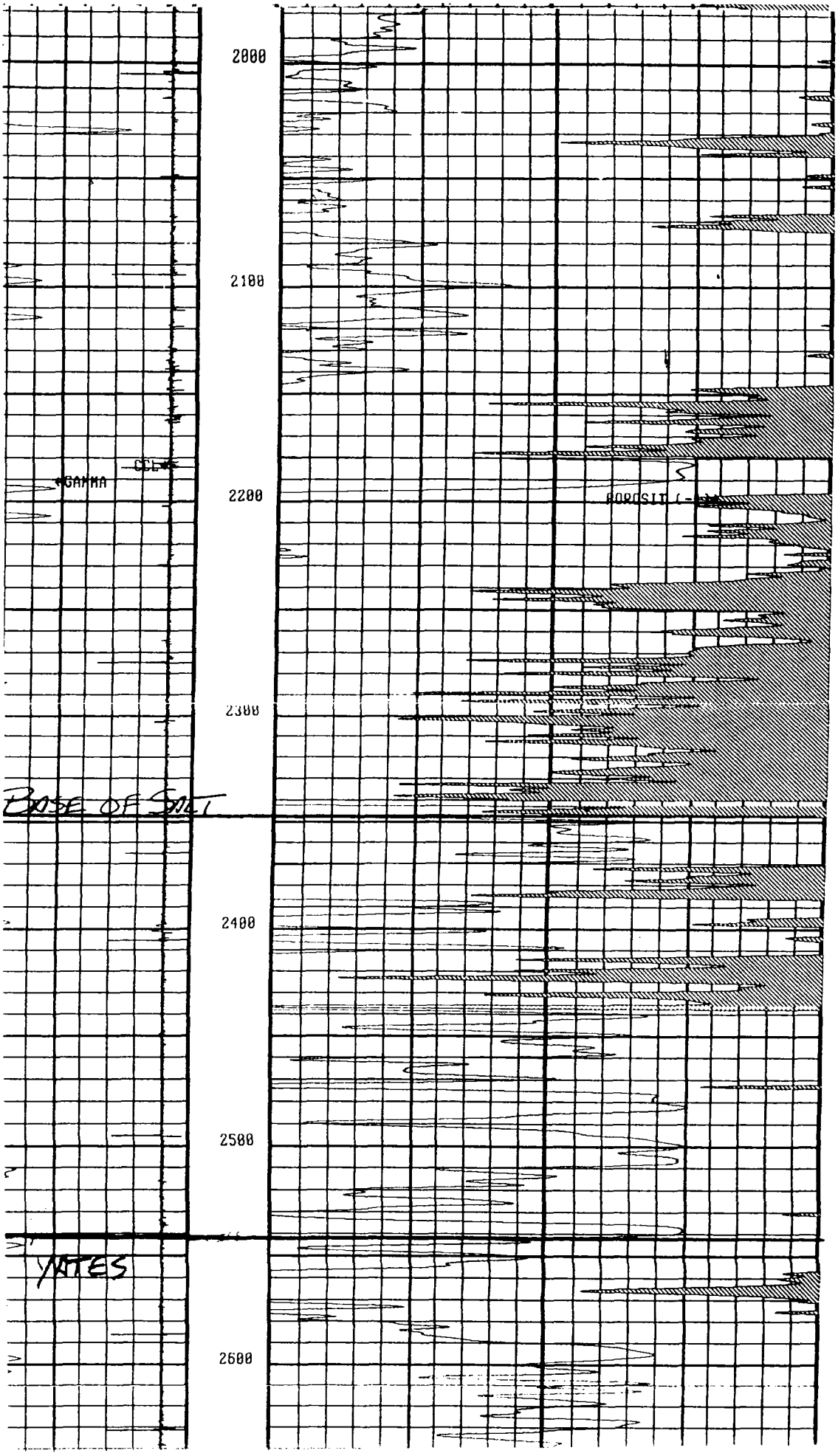
SEC. 18 TWP. 17-S RGE. 33-E

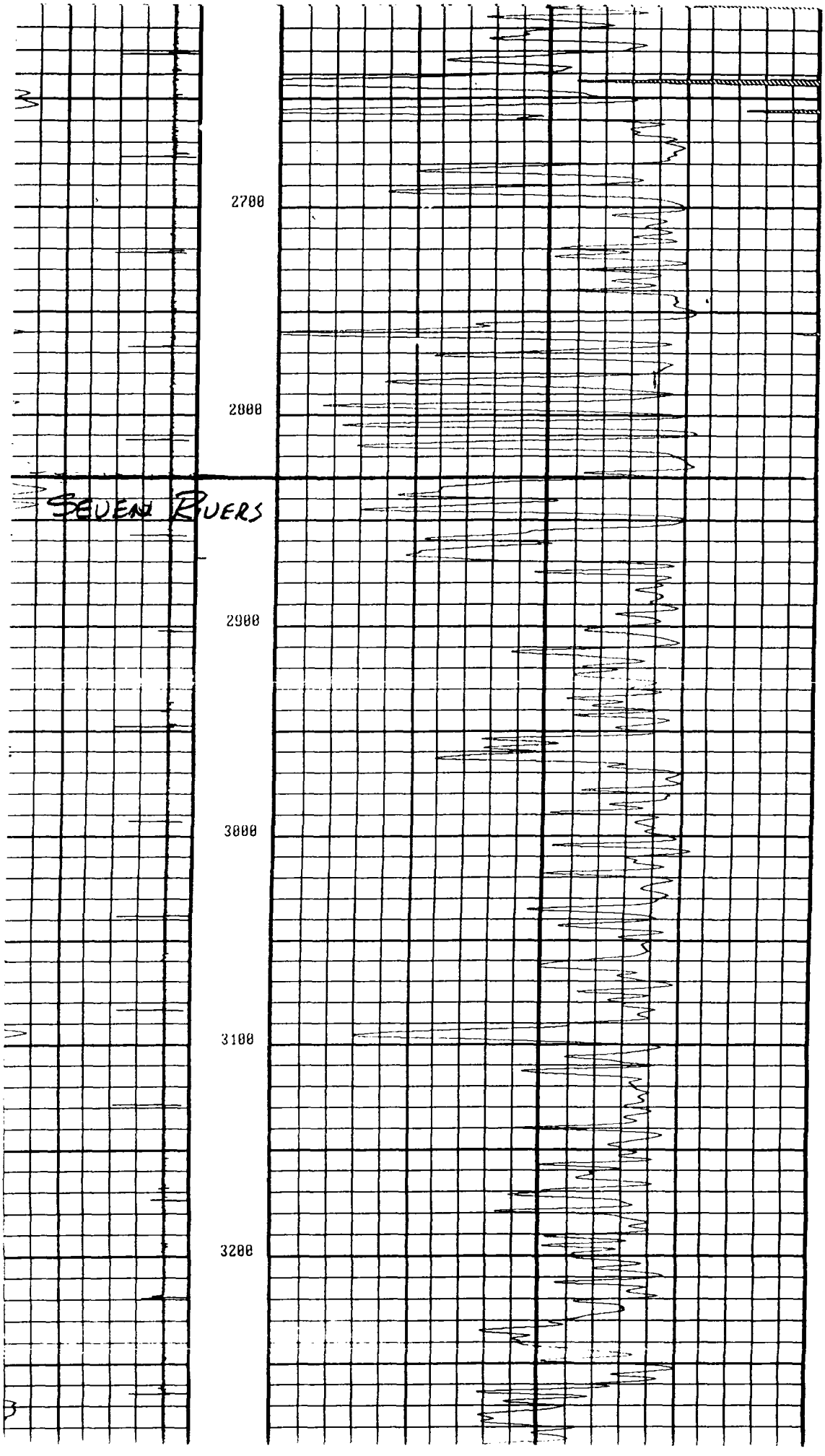
PERMANENT DATUM	GL	ELEV. 4137'		ELEV.: K.B. 4149'	
LOG MEASURED FROM	KB	12.0 FT. ABOVE PERM. DATUM		D.F.	
DRILLING MEAS FROM	KB			G.L. 4137'	
DATE @ TIME LOGGED	12/08/95 @ 00:00		TYPE OF FLUID IN HOLE	WATER	
RUN No.	ONE		DENSITY OF FLUID	NA	
DEPTH - DRILLER	4850		FLUID LEVEL	FULL	
DEPTH - LOGGER	4788		CEMENT TOP EST/LOGGED	NA	
BTM LOGGED INTERVAL	4787		EQUIPMENT : LOCATION	7634 : HOBBS	
TOP LOGGED INTERVAL	SURF		RECORDED BY	HILL	
MAX RECORDED TEMP.	NA		WITNESSED BY	MR. G. NEWTON	

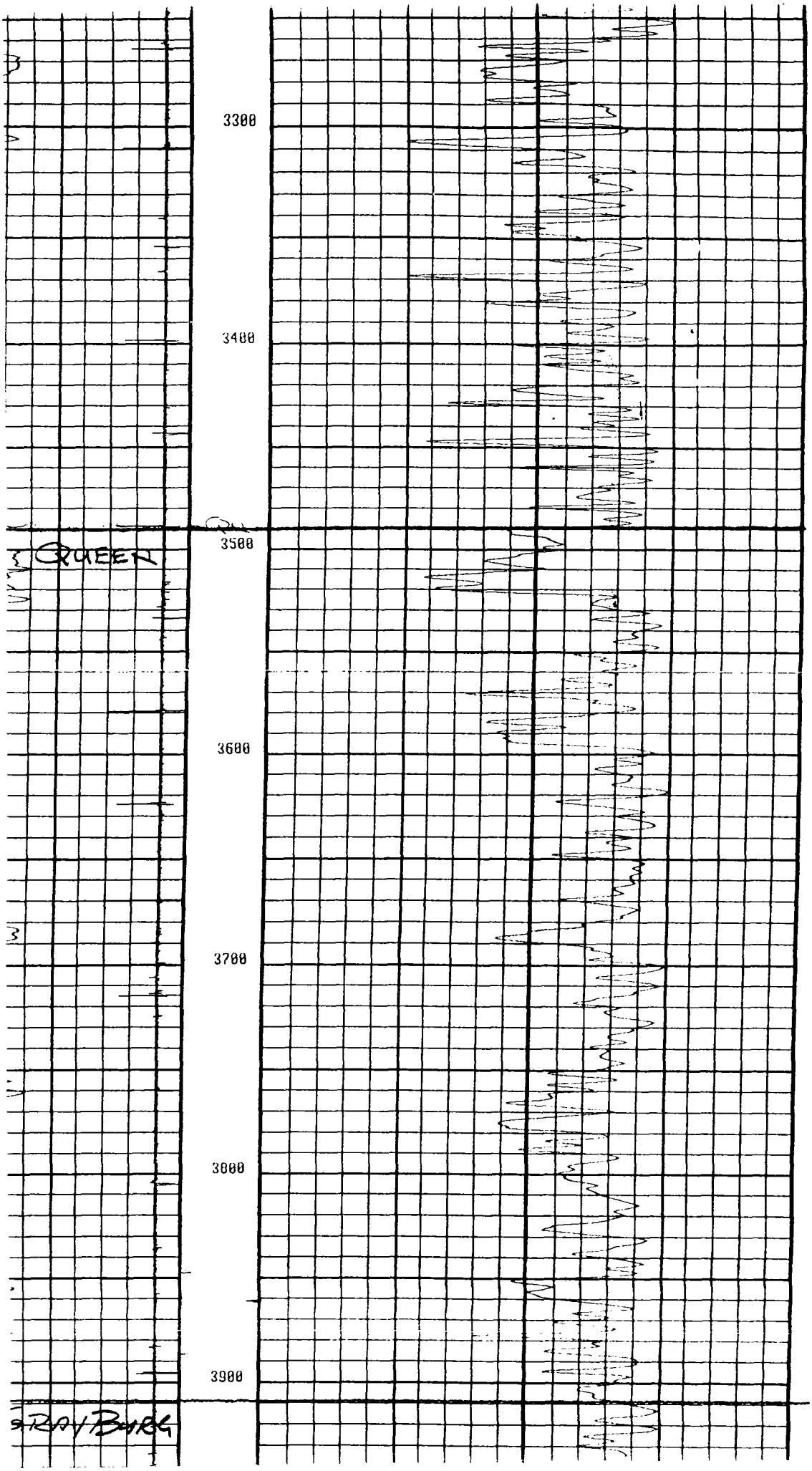
CEMENTING DATA	SURF. STRING	INT.STRING	PROD.STRING	LINER
DATE/TIME CEMENTED	/ .	/ .	/ .	/ .
PRIMARY/SQUEEZE				
COMPRESSIVE STR. EXPECTED @	: Hrs	: Hrs	: Hrs	: Hrs
CEMENT VOLUME				
CEMENT TYPE/WEIGHT				
MUD TYPE/MUD WGT.				
FORMULATION				

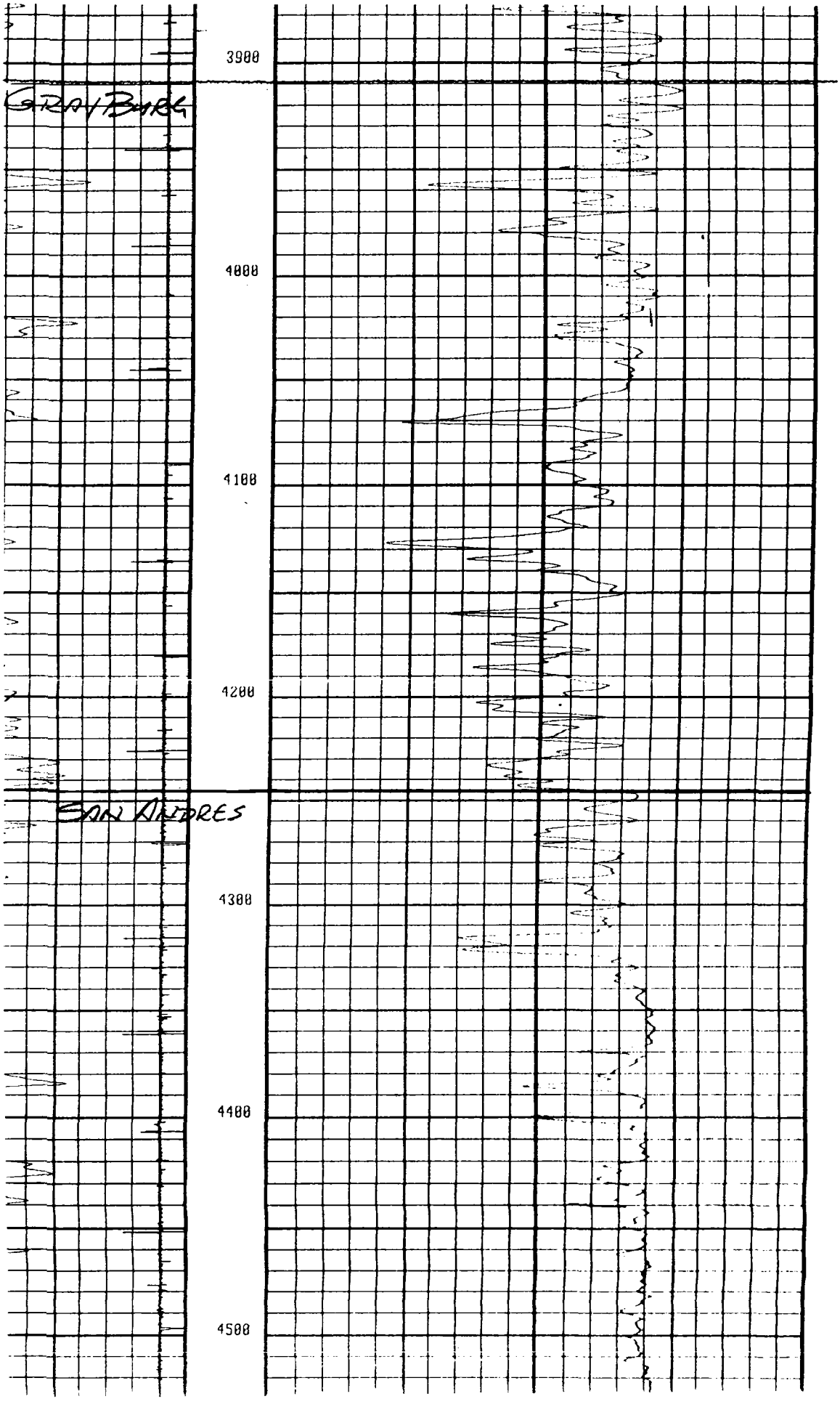
RUN	BOREHOLE RECORD			CASING AND TUBING RECORD			
No.	BIT SZ.	FROM	TO	SIZE	WGT.	FROM	TO
ONE				8.625	NA	0	1200
TWO	7.875	1200	4850	5.5	17.0	0	4850


1100
ANHYDRITE
1200
1300
SALT
1400
1500
1600
1700


2000
2100
GAMMA
CCL
2200
POROSITY
2300
BASE OF SALT
2400
2500
NOTES
2600


2700
2800
SEVEN RIVERS
2900
3000
3100
3200


3300
3400
QUEEN
3500
3600
3700
3800
3900
RAY/BURG


3900
GRAYBURG
4000
4100
4200
SAN ANDRES
4300
4400
4500

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IX. PROPOSED STIMULATION PROGRAM

Acid breakdown jobs will be done if new perforations are added. When treating old perforations, acid "wash" treatment will be done to remove scales and flow-back solids at formation face.

X. LOGGING DATA

The available logs are those on file with the Oil Conservation Division from the original oprators of the wells.

XI. FRESH WATER WELLS

Information on fresh water wells in the area as recorded in the office of the State Engineer was previously submitted. None of these wells are still active or productive.

XII. Not applicable

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APPLICATION FOR AUTHORIZATION TO INJECT

XIII. PROOF OF NOTICE

Copies of this C-108 Application have been mailed to the surface owners and to each leasehold operator within one-half mile of the proposed injection wells as identified on the mailing list attached as Exhibit XIII-A. An Affidavit of such notice is attached as Exhibit VIII-B. Copies of the certified receipts will be furnished upon request. The notice attached as Exhibit VIII-C is being published in the Hobbs News Sun. An Affidavit of Publication will be forwarded as soon as available.

EXHIBIT XIII-A

MAILING LIST

Surface Owners:

State of New Mexico
State Land Office
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

Bureau of Land Management
District Office
1717 West 2nd Street
Roswell, New Mexico 88201

Grazing Lease Lessees:

Mr. Olane Caswell
P. O. Box 110
Maljamar, New Mexico 88264

Mr. Hershel Caviness
General Delivery
Causey, New Mexico 88113

Mrs. Janice Caviness
Caviness Cattle co.
P. O. Box 25
Maljamar, NM 88264

Offset Leasehold Operators:

Amoco Production Company
P. O. Box 3092
Houston, Texas 77253

Atlantic Richfield Company
P. O. Box 1610
Midland, Texas 79705

Mr. John W. Boone
P. O. Box 565
Artesia, New Mexico 88210

C. W. Carson Estate
716 Morningside Drive
Albuquerque, New Mexico 87110

Chase Oil Corporation
P. O. Box 276
Artesia, New Mexico 88210

Chevron USA Inc.
P. O. Box 1150
Midland, Texas 79702

Mr. & Mrs. Johnny & Maggie S. Cockburn
P. O. Box 105
Artesia, New Mexico 88210

Conoco Inc.
Suite 100 W
10 Desta Drive
Midland, Texas 79705-4500

Cross Timbers Oil Co., LP
P. O. Box 52070
Midland, Texas 79710

Mr. Homer Denius
P. O. Box 338
Artesia, New Mexico 88210

Mr. W. Siegenthaler
P. O. Box 338
Artesia, New Mexico 88210

Mr. J. G. Wright
P. O. Box 338
Artesia, New Mexico 88210

Devon Energy Corp. (Nevada)
Suite 1500
20 North Broadway
Oklahoma City, Oklahoma 73102

L. B. Simmons Energy, Inc.
Suite 1890
5847 San Felipe
Houston, Texas 77057

Lynx Petroleum Consultants, Inc.
P. O. Box 1979
Hobbs, N M 88241-1979

Mack Energy Corporation
P. O. Box 400
Duncan, Oklahoma 73534

OXY USA Inc.
P. O. Box 50250
Midland, Texas 79710

Penroc Oil Corporation
P. O. Box 5970
Hobbs, New Mexico 88241-5970

Pennzoil Petroleum Company
2402 West Wadley
Midland, Texas 79705

Phillips Petroleum Company
4001 Penbrook Street
Odessa, Texas 79762

Mr. Richard L. Ray
P. O. Box 689
Tyler, Texas 75710

Shahara Oil Corporation
P. O. Box 3232
Carlsbad, New Mexico 88221-3232

Southland Royalty Company
c/o Meridian Oil, Inc.
3300 North A Street, Bldg 6
Midland, Texas 79705

Southwest Developmental
Drilling Fund 1993 LP
P. O. Box 11390
Midland, Texas 79702

Southwest Royalties, Inc.
407 North Big Spring
Midland, Texas 79701-4326

J. B. Stephenson Estate
P. O. Box 837
Albuquerque, NM 87103

Mr. Don E. Woodward
P. O. Box 837
Albuquerque, NM 87103

Target Production Company
Drawer Y
Denver City, Texas 79323

Mesa, Inc.
Suite 1400
5205 North O'Connor
Irving, Texas 75039-3746

Mr. Len G. McCormick
P. O. Box 19764
Houston, Texas 77224

Petrus Energy Company
P. O. Box 820101
Houston, Texas 77282-0101

Mr. Parker C. Fielder
Trustee
Address Unknown

Floos Inc.
Address Unknown

Mr. M. E. Lunn
Address Unknown

Mr. G. B. Suppes
Address Unknown

Mr. B. E. Kennedy
Address Unknown

Warren-Bradshaw Exploration
Company
Address Unknown

Mr. C. W. Chancellor
Address Unknown

Wolffson Oil Company
Address Unknown

EXHIBIT VIII-B

AFFIDAVIT OF MAILING

STATE OF NEW MEXICO
COUNTY OF CHAVES | SS.

I, Bonita L. Limpus Jones, do solemnly swear that a copy of this Application has been mailed by certified mail, to each of the interested parties listed on Exhibit XIII-A.

Bonita L. Limpus Jones
Consulting Landman with J. O. Easley, Inc.
on behalf of The Wiser Oil Company

SWORN AND SUBSCRIBED TO before me this 16 day of August, 1996.

My Commibsion Expires: December 18, 1999

Notary Public

EXHIBIT VIII-C

NOTICE TO BE PUBLISHED IN THE HOBBS NEW SUN
ON SUNDAY, AUGUST 18, 1996

PROPOSED INJECTION WELLS

The Wiser Oil Company proposes to expand its Caprock Maljamar Unit and inject water into 10 wells in Section 24, T17S-R32E, 2 wells in Section 18, 4 wells in Section 19, 2 wells in Section 20, 4 wells in Section 21, and 6 wells in Section 28, all in T17S R33E, Lea County, New Mexico, to provide injection service for the existing Caprock Maljamar Unit Waterflood, Order No. R-10094. The zones to be injected into are Grayburg and San Andres from 3900' to 5500' with a maximum injection rate of 250 BWPD/well at a maximum pressure of 920 psi. Any interested parties with objection or request for hearing should notify the Oil Conservation Division at P. O. Box 2088, Santa Fe, New Mexico 87501, within 15 days of this notice. Any questions should be directed to Jim Ward with The Wiser Oil Company, at P. O. Box 2568, Hobbs, New Mexico 88241, 505-392-9797.

J.O. EASLEY, INC.
ESTABLISHED 1979
P.O. Box 1796 88202-1796
400 N. Pennsylvania, Suite 990-D
Roswell, NM 88201

Telephone (505) 623-3758
Fax (505) 623-3797

August 26, 1996

AUG 28 1996

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

Re: C-108
Caprock Maljamar Waterflood Unit
Lea County, New Mexico

Dear Mr. Catanach:

Enclosed is the Affidavit of Publication for notice of the C-108 for additional water injection wells within the Caprock Maljamar Waterflood Unit.

Sincerely,

J. O. EASLEY, INC.

Bonita L. Limpus Jones
Consulting Landman

/bj
Enclosures
cc/enclosure Mr. Jerry Sexton
New Mexico Oil Conservation Division
P. O. Box 1980
Hobbs, New Mexico 88241

Mr. Steve Gilbert
The Wiser Oil Company
8115 Preston Road, Suite 400
Dallas, Texas 75225

Mr. Jim Ward
The Wiser Oil Company
P. O. Box 2568
Hobbs, New Mexico 88241

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

Publisher

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of

1 weeks.

Beginning with the issue dated

August 18, 1996

and ending with the issue dated

August 18, 1996

Kathi Bearden
Publisher

Sworn and subscribed to before

me this 20 day of

August, 1996

Sandra Catlett
Notary Public.

My Commission expires
August 29, 1999
(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE
August 18, 1996
PROPOSED INJECTION WELLS

The Wiser Oil Company proposes to expand its Caprock Maljamar Unit and inject water into 10 wells in Section 24, T17S-R32F, 2 wells in Section 18, 4 wells in Section 19, 2 wells in Section 20 , 4 wells in Section 21, and 6 wells in Section 28, all in T17S R33E, Lea County, New Mexico, to provide injection service for the existing Caprock Maljamar Unit Waterflood, Order No. R-10094. The zones to be injected into are Grayburg and San Andres from 3900' to 5500' with a maximum injection rate of 250 BWPD/well at a maximum pressure of 920 psi. Any interested parties with objection of request for hearing should notify the Oil Conservation Division at P.O. Box 2088, Santa Fe, new Mexico 87501, within 15 days, of this notice. Any questions should be directed to Jim Ward with the Wiser Oil Company, at P.O. Box 2568, Hobbs, New Mexico 88241, 505-392-9797.
#14739

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE