| DATE IN | SUSPENSE | ENGINEER | LOGGED IN | TYPE | APP NO. |
|---|---|---|---|---|---|
| 5-11-04 | 5/26/04 | Jones | 5-11-04 | ~~SWD~~ WFX | PSEM0413249854 |

ABOVE THIS LINE FOR DIVISION USE ONLY

Rec'd 5/11/04

# NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505

# ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

**[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

| Print or Type Name | Signature | Title | Date |
|---|---|---|---|

e-mail Address

March 9, 2004

**APPLICATION FOR AUTHORIZATION TO INJECT - OCD FORM C-108**
**WEST DOLLARHIDE DRINKARD UNIT**
**DOLLARHIDE TUBB DRINKARD POOL**
**LEA COUNTY, NEW MEXICO**

ChevronTexaco

State of New Mexico
Energy and Minerals Dept.
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Attention: OCD Director,

ChevronTexaco Exploration and Production Co. requests your approval of the subject application to inject water into the West Dollarhide Drinkard Unit well # 105H, 108H, 155, & 156, located: **#105H**, 1347' FSL & 1373' FWL. Unit Letter 'K', Sec. 32, T24S, R38E; **#108H**, 1201' FSL & 156' FWL, Unit Letter 'M', Sec. 33, T24S, R38E; **#155**, 2000' FSL & 2550' FEL, Unit Letter 'J', Sec. 32, T24S, R38E; **#156**, 2000' FSL & 1200' FWL, Unit Letter 'L', Sec. 32, T24S, R38E; NMPM, Lea County, New Mexico.

Chevron plans to convert these producers to injection as part of an ongoing infill drilling and pattern re-alignment program. These conversions will provide the much needed injection support in this area and enhance the production of the WDDU secondary recovery unit.

Attached is an OCD Form C-108 with information relative to the water injection conversion of the referenced wells. A copy of the letter sent to applicable surface land owners and offset operators is included in the attachments.

If additional information is required, please contact me at (432) 687-7380.

Sincerely,

J. Denise Wann
Technical Team Leader
New Mexico Waterfloods

Attachments

RECEIVED

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

**Oil Conservation Division**
**1220 South St. Francis Dr.**
**Santa Fe, New Mexico 87505**

MAY 11 2004

OIL CONSERVATION DIVISION

FORM C-108
Revised June 10, 2003

## APPLICATION FOR AUTHORIZATION TO INJECT

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

II. OPERATOR: CHEVRONTEXACO

ADDRESS: 15 SMITH ROAD; MIDLAND, TX 79705

CONTACT PARTY: DENISE WANN PHONE: 432-687-7380

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

IV. Is this an expansion of an existing project? ___X___ Yes _____ No
If yes, give the Division order number authorizing the project: R - 3768

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

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

VII. Attach data on the proposed operation, including:

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

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

IX. Describe the proposed stimulation program, if any.

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

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

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

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

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

NAME: DENISE WANN TITLE: NM WATERFLOOD TECHNICAL TEM LEADER

SIGNATURE: Denise Wann DATE: 5-4-04

E-MAIL ADDRESS: wannjd@chevrontexaco.com

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

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

Texaco Exploration and production Co.
J. Denise Wann
Technical Team Leader
15 Smith Road
Midland, Texas 79705
wannjd@chevrontexaco.com

March 9, 2004

ChevronTexaco

**APPLICATION FOR AUTHORIZATION TO INJECT - OCD FORM C-108**
**WEST DOLLARHIDE DRINKARD UNIT**
**DOLLARHIDE TUBB DRINKARD POOL**
**LEA COUNTY, NEW MEXICO**

State of New Mexico
Energy and Minerals Dept.
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Attention: OCD Director,

ChevronTexaco Exploration and Production Co. requests your approval of the subject application to inject water into the West Dollarhide Drinkard Unit well # 105H, 108H, 155, & 156, located: **#105H**, 1317' FSL & 1373' FWL. Unit Letter 'K', Sec. 32, T24S, R38E; **#108H**, 1201' FSL & 156' FWL, Unit Letter 'M', Sec. 33, T24S, R38E; **#155**, 2000' FSL & 2550' FEL, Unit Letter 'J', Sec. 32, T24S, R38E; **#156**, 2000' FSL & 1200' FWL, Unit Letter 'L', Sec. 32, T24S, R38E; NMPM, Lea County, New Mexico.

Chevron plans to convert these producers to injection as part of an ongoing infill drilling and pattern re-alignment program. These conversions will provide the much needed injection support in this area and enhance the production of the WDDU secondary recovery unit.

Attached is an OCD Form C-108 with information relative to the water injection conversion of the referenced wells. A copy of the letter sent to applicable surface land owners and offset operators is included in the attachments.

If additional information is required, please contact me at (432) 687-7380.

Sincerely,

Denise Wann

J. Denise Wann
Technical Team Leader
New Mexico Waterfloods

Attachments

# WELL DATA SHEET

**FIELD: West Dollarhide Drinkard Unit** **Well No:** 105H **FORMATION: Drinkard**

**LOC:** 1347' FSL & 1373' FWL **Sec:** 32 GL: 3159' CURRENT STATUS: Active Producer

**TOWNSHIP:** 24S **Cnty:** Lea KB: 3174' API NO: 30-025-30827-01

**RANGE:** 38E **State:** NM DF to GL: 3473' Chevno: OM1986

## Current Horizontal

SPUD: 3-6-91

| | |
|---|---|
| Date Completed: 4-3-91 | Initial: Production |
| Initial Formation: Drinkard | 134 Oil, 229 Gas, 214 WT |
| FROM: 6387' TO: 6730' | |

11-3/4", 42# OD Set @ 1200'
w/ 1000 sx cmt, Circ Cmt.
14-3/4" Hole

8-5/8" OD, 32 #
csg set @ 4000'
w/ 1400 sx cmt, circ.cmt.
11' Hole

**Completion data:**
Apr-02 Stim Drk OH w/60,000 gals 20% HCL & 9590' gals unichem scale Inhib & 24,000 gals WF 130 slick, push CIBP to 6670'. RIH w/2-7/8" prod tbg sub assem. 4' lift sub intake @ 6318', EO pmp @ 6384'

**Subsequent Workover or Reconditioning:**

Additional Information:
T/Rustler @ 1180'
T/Salt @ 1266'
T/Yates @ 2655'
T/Queen @ 3574'
T/San Andres @ 3963'
T/Tubb @ 5950'
T/Drk @ 6348'

**Tubb Perfs**
6180'
6240'
6264'
6302'

7" Whipstock was set @ 6311', PULLED.

**Window @ 6305' to 6308'**

**MD @ 8535'**
**TVD @ 6409'**

**Drinkard Perfs**
6387'-90'
6392'-6408'
6411'-33'
6439'-45'
6448'-80'
6540'-47'
6553'-57'
6562'-76'
6601'-24'
6626'-42'
6651'-58'
6660'-68'
6676'-80'
6685'-94'
6700'-12'
6716'-30'

5-1/2" OD, 15.5 & 17#
csg @ 6875' w/1325 sks cmt
Cmt Circ.
7-7/8" Hole

CIBP @ 6670'

**TD @ 6875'**

WDDU105_H-WB.XLS
Updated-chay 10-21-03

4/9/04

# WDDU # 105H

**API# 30-025-30827**
**1347' FSL & 1373' FWL**
**Sec 32, T24S, R38E**
**Lea County, NM**

GL 3159'
KB 3174'
DF
TD 6875'

**Lateral Window**
**TOW 6305'**
**BOW 6308'**

**TVD 6409'**
**MD 8535'**

PBTD: 6670' (junk CIBP 4/4/2002)
Production csg: 5 ½" 15.5# & 17#, set @ 6875', circ cement
Perforations: 6180'-6302', 6387'-6739' (partially covered by CIBP fish@ 6670')

PROCEDURE TO CONVERT TO INJECTION

1. Notify Procurement Department ASAP after receiving WBS approval to order injection tubing, injection packer, flowline, etc. (Need 30 days for injection tubing delivery.)
2. Complete MOC and file with Larry Williams.
3. Move in injection head and injection tubing.
4. Install ~600' of 2" star pipe 2500# fiberglass injection flowline.
5. Notify NMOCD 24 hours prior to moving on well.
6. MIRU PU. Pull rods and pump.
7. Install BOP.
8. TOH w/ production tubing.
9. TIH with bit to 6320'. TOH.
10. TIH with packer and test casing above 6150' to confirm casing integrity. TOH
11. TIH and set CIBP @~6320' on tubing (to avoid possibility of setting in the lateral). TOH.
12. TIH w/injection packer on 2 3/8" IPC injection tubing with profile nipple.
13. Attempt to circulate packer fluid and set packer ~6150'.
14. RD pulling unit, clean location, place well on injection.
15. Follow up later with step rate test as needed for optimum injection rate.

Side 1

# INJECTION WELL DATA SHEET

OPERATOR: CHEVRONTEXACO EXPLORATION AND PRODUCTION COMPANY

WELL NAME & NUMBER: WEST DOLLARHIDE DRINKARD # 105 H

WELL LOCATION: 1317' FSL & 1373' FWL | K | 32 | 24S | 38E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

***WELLBORE SCHEMATIC***

***WELL CONSTRUCTION DATA***

Surface Casing

Hole Size: 14.3/4" Casing Size: 11-3/4"

Cemented with: 1000 sx. ***or*** _____ $ft^3$

Top of Cement: Surface Method Determined: Circ Cmt.

Intermediate Casing

Hole Size: 11" Casing Size: 8-5/8"

Cemented with: 1400 sx. ***or*** _____ $ft^3$

Top of Cement: Surface Method Determined: Circ Cmt.

Production Casing

Hole Size: 7-7/8" Casing Size: 5-1/2"

Cemented with: 1325 sx. ***or*** _____ $ft^3$

Top of Cement: Surface Method Determined: Circ Cmt.

Total Depth: 6875'

Injection Interval

_____ feet to _____

(Perforated or Open Hole; indicate which)

## INJECTION WELL DATA SHEET

Tubing Size: 2-7/8" Lining Material: _____

Type of Packer: _____

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

### Additional Data

1. Is this a new well drilled for injection? _____Yes __X__No

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

   _____

2. Name of the Injection Formation: DRINKARD

3. Name of Field or Pool (if applicable): WEST DOLLARHIDE DRINKARD UNIT

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

   NA

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

   _____

   YATES @ 2655', QUEEN @ 3574', SAN ANDRES @ 3963', TUBB @ 5950', DRINKARD @ 6348'

   _____

# WELL DATA SHEET

**FIELD: West Dollarhide Drinkard Unit** **Well No:** 105H **FORMATION: Drinkard**

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**TOWNSHIP:** 24S **Cnty:** Lea KB: 3174' API NO: 30-025-30827-01

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w/ 1000 sx cmt, Circ Cmt.
14-3/4" Hole

8-5/8" OD, 32 #
csg set @ 4000'
w/ 1400 sx cmt, circ.cmt.
11' Hole

**Completion data:**
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6264'
6302'

7" Whipstock was set @ 6311', PULLED.

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**MD @ 8535'**
**TVD @ 6409'**

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6392'-6408'
6411'-33'
6439'-45'
6448'-80'
6540'-47'
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6562'-76'
6601'-24'
6626'-42'
6651'-58'
6660'-68'
6676'-80'
6685'-94'
6700'-12'
6716'-30'

5-1/2" OD, 15.5 & 17#
csg @ 6875' w/1325 sks cmt
Cmt Circ.
7-7/8" Hole

CIBP @ 6670'

**TD @ 6875'**

WDDU105_H-WB.XLS
Updated-chay 10-21-03

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

# OIL CONSERVATION DIVISION

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

Form C-104
Revised February 10,199
Instructions on bac
Submit to Appropriate District Offic
5 Copie

☐ AMENDED REPORT

## I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

| 1 Operator Name and Address | 2 OGRID Number |
|---|---|
| TEXACO EXPLORATION & PRODUCTION INC.<br>15 SMITH ROAD, MIDLAND, TX 79705 | 022351<br>3 Reason for Filing Code<br>RC Horizontal |

| 4 API Number | 5 Pool Name | 6 Pool Code |
|---|---|---|
| 30 025 30827 | DOLLARHIDE TUBB DRINKARD | 18830 |
| **7 Property Code** | **8 Property Name** | **9 Well No.** |
| 10926 | WEST DOLLARHIDE DRINKARD UNIT | 105 |

## II. 10 Surface Location

| Ul or lot no. | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---|---|---|---|---|---|---|---|---|---|
| K | 32 | 24S | 38E | | 1347 | SOUTH | 1373 | WEST | LEA |

## 11 Bottom Hole Location

| Ul or lot no. | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---|---|---|---|---|---|---|---|---|---|
| J | 32 | 24S | 38E | | 1059' | SOUTH | 1717' | EAST | LEA |

| 12 Lse Code | 13 Producing Method Code | 14 Gas Connection Date | 15 C-129 Permit Number | 16 C-129 Effective Date | 17 C-129 Expiration Date |
|---|---|---|---|---|---|
| S | P | 1/17/1992 | | | |

## III. Oil and Gas Transporters

| 18 Transporter OGRID | 19 Transporter Name and Address | 20 POD | 21 O/G | 22 POD ULSTR Location and Description |
|---|---|---|---|---|
| 037480 | EOTT ENERGY PIPELINE CO. | 2479010 | O | K-32-24S-38E<br>LEA COUNTY, NM<br>(AT BATTERY) |
| [redacted] | | | | |
| 024650 | DYNEGY | 2479030 | G | K-32-24S-38E<br>LEA COUNTY, NM<br>METER #161-213403 GROBE STATIO |
| [redacted] | | | | |
| | | | | |
| [redacted] | | | | |
| | | | | |
| [redacted] | | | | |

## IV. Produced Water

| 23 POD | 24 POD ULSTR Location and Description |
|---|---|
| 2479050 | K-32-24S-38E LEA COUNTY, NM. |

## V. Well Completion Data

| 25 Spud Date | 26 Ready Date | 27 Total Depth | 28 PBTD | 29 Perforations |
|---|---|---|---|---|
| 3/13/2002 | 4/8/2002 | 8535' | | 6299-6399 |

| 30 HOLE SIZE | 31 CASING & TUBING SIZE | DEPTH SET | 32 | 33 SACKS CEMENT |
|---|---|---|---|---|
| NO CHANGE | | | | |

RECEIVED
Hobbs
OCD

## VI. Well Test Data

| 34 Date New Oil | 35 Gas Delivery Date | 36 Date of Test | 37 Length of Test | 38 Tubing Pressure | 39 Casing Pressure |
|---|---|---|---|---|---|
| 4/11/2002 | 4-11-02 | 4-11-02 | 24 HRS | | |
| **40 Choke Size** | **41 Oil - Bbls.** | **42 Water - Bbls.** | **43 Gas - MCF** | **44 AOF** | **45 Test Method** |
| | 89 | | | | |

P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

# OIL CONSERVATION DIVISION

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

Form C-10
Revised February 10,19
Instructions on bac
Submit to Appropriate District Offi
State Lease - 4 Copie
Fee Lease - 3 Copie
[X] AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

| 1 API Number | 2 Pool Code | 3 Pool Name |
|---|---|---|
| 30 025 30827 | 18830 | DOLLARHIDE TUBB DRINKARD |

| 4 Property Code | 5 Property Name | 6 Well No. |
|---|---|---|
| 10926 | WEST DOLLARHIDE DRINKARD UNIT | 105 |

| 7 OGRID Number | 8 Operator Name | 9 Elevation |
|---|---|---|
| 022351 | TEXACO EXPLORATION & PRODUCTION INC. | 3177' |

### 10 Surface Location

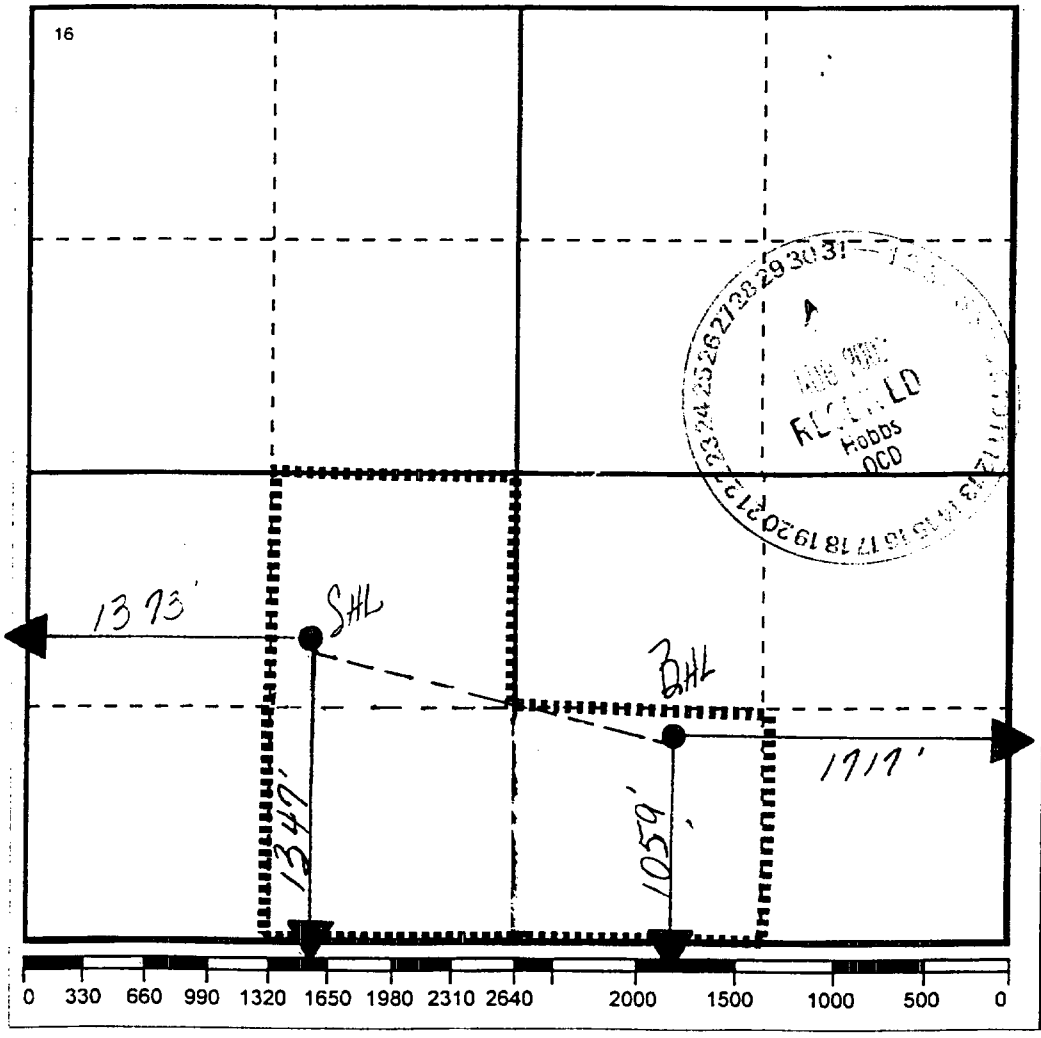
| Ul or lot no | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---|---|---|---|---|---|---|---|---|---|
| K | 32 | 24S | 38E | | 1347 | SOUTH | 1373 | WEST | LEA |

### 11 Bottom Hole Location If Different From Surface

| Ul or lot no. | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---|---|---|---|---|---|---|---|---|---|
| O | 32 | 24S | 38E | | 1059' | SOUTH | 1717' | EAST | LEA |

| 12 Dedicated Acre | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|---|---|---|---|
| 120 | No | | |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION




### 17 OPERATOR CERTIFICATION

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

Signature: J. Denise Leake

Printed Name: J. Denise Leake

Positio: Regulatory Specialist

Date: 5/31/2002

### 18 SURVEYOR CERTIFICATION

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

Date Surveyed

Signature & Seal of Professional Surveyor

Certificate No.

DeSoto/Nichols 3/94 ver 1.10

2/24/04

# WDDU # 105H

**API# 30-025-30827**
**1317' FSL & 1373' FWL**
**Sec 32, T24S, R38E**
**Lea County, NM**

GL 3159'
KB 3174'
DF
TD 6875'

**Lateral Window**
**TOW 6305'**
**BOW 6308'**

**TVD 6409'**
**MD 8535'**

PBTD: 6670' (junk CIBP 4/4/2002)
Production csg: 5 ½" 15.5# & 17#, set @ 6875', circ cement
Perforations: 6180'-6302', 6387'-6739' (partially covered by CIBP fish@ 6670')

PROCEDURE TO CONVERT TO INJECTION

1. Complete MOC and file with Larry Williams.
2. Move in injection head and injection tubing.
3. Install injection flowline.
4. Notify NMOCD 24 hours prior to moving on well.
5. MIRU PU. Pull rods and pump.
6. Install BOP.
7. TOH w/ production tubing laying down.
8. TIH with bit to 6320'. TOH.
9. TIH and set CIBP @6320'.
10. TIH w/injection packer on 2 3/8" IPC injection tubing with profile nipple. Set packer ~6150'.
11. Circulate packer fluid.
12. RD pulling unit, clean location, place well on injection.
13. Run injection profile after two weeks.

## WELL DATA SHEET

**FIELD: West Dollarhide Drinkard Unit** **Well No:** 105H **FORMATION: Drinkard**

**LOC: 1317'** FSL & 1373' FWL **Sec:** 32 GL: 3159' PROPOSED STATUS: Active Injector

**TOWNSHIP:** 24S **Cnty:** Lea KB: 3174' API NO: 30-025-30827-01

**RANGE:** 38E **State:** NM DF to GL: 3473' Chevno: OM1986

## Proposed Horizontal Injection Set Up

| | |
|---|---|
| Date Completed: 4-3-91 | Initial: Production |
| Initial Formation: Drinkard | 134 Oil, 229 Gas, 214 WTI |
| FROM: 6387' TO: 6730' | |

11-3/4", 42# OD Set @ 1200'
w/ 1000 sx cmt, Circ Cmt.
14-3/4" Hole

8-5/8" OD, 32 #
csg set @ 4000'
w/ 1400 sx cmt, circ.cmt.
11' Hole

2-3/8" IPC Inj Tbg

**Proposed Inj Pkr @ 6150'**

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6240'
6264'
6302'

**Completion data: Spud 3-6-91**

Apr-02 Stim Drk OH w/60,000 gals 20% HCL & 9590' gals unichem scale Inhib & 24,000 gals WF 130 slick, push CIBP to 6670'. RIH w/2-7/8" prod tbg sub assem. 4' lift sub intake @ 6318', EO pmp @ 6384'

**Proposed Workover or Reconditioning:**
POOH w/ production equipment Set CIBP @ 6320'
RIH w/2 3/8 in IPC injection tbg w/ injection pkr set @ 6150'

Additional Information:
T/Rustler @ 1180'
T/Salt @ 1266'
T/Yates @ 2655'
T/Queen @ 3574'
T/San Andres @ 3963'
T/Tubb @ 5950'
T/Drk @ 6348'

**Window @ 6305' to 6308'**

**Proposed CIBP @ 6320'**

**MD @ 8535'**
**TVD @ 6409'**

**Drinkard Perfs**
6387'-90'
6392'-6408'
6411'-33'
6439'-45'
6448'-80'
6540'-47'
6553'-57'
6562'-76'
6601'-24'
6626'-42'
6651'-58'
6660'-68'
6676'-80'
6685'-94'
6700'-12'
6716'-30'

5-1/2" OD, 15.5 & 17#
csg @ 6875' w/1325 sks cmt
Cmt Circ.
7-7/8" Hole

CIBP @ 6670'

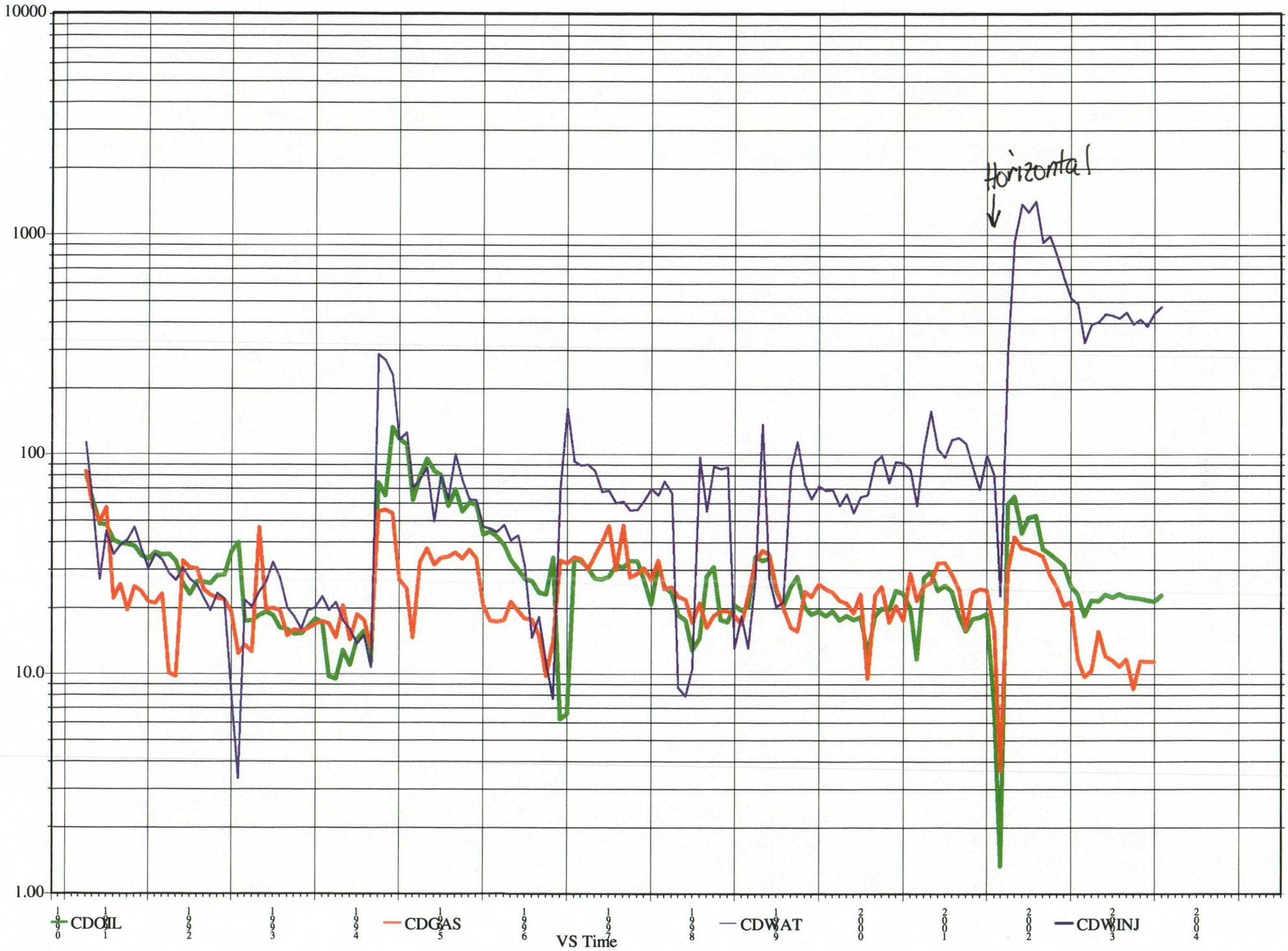
**TD @ 6875'**

WDDU105_H-WB.XLS
Updated-chay 3-3-04

105

ChevronTexaco, Exploration & Production Co.
WDDU #105

Group: Temporary Wells In Group: 2 Format: tglo - WELL



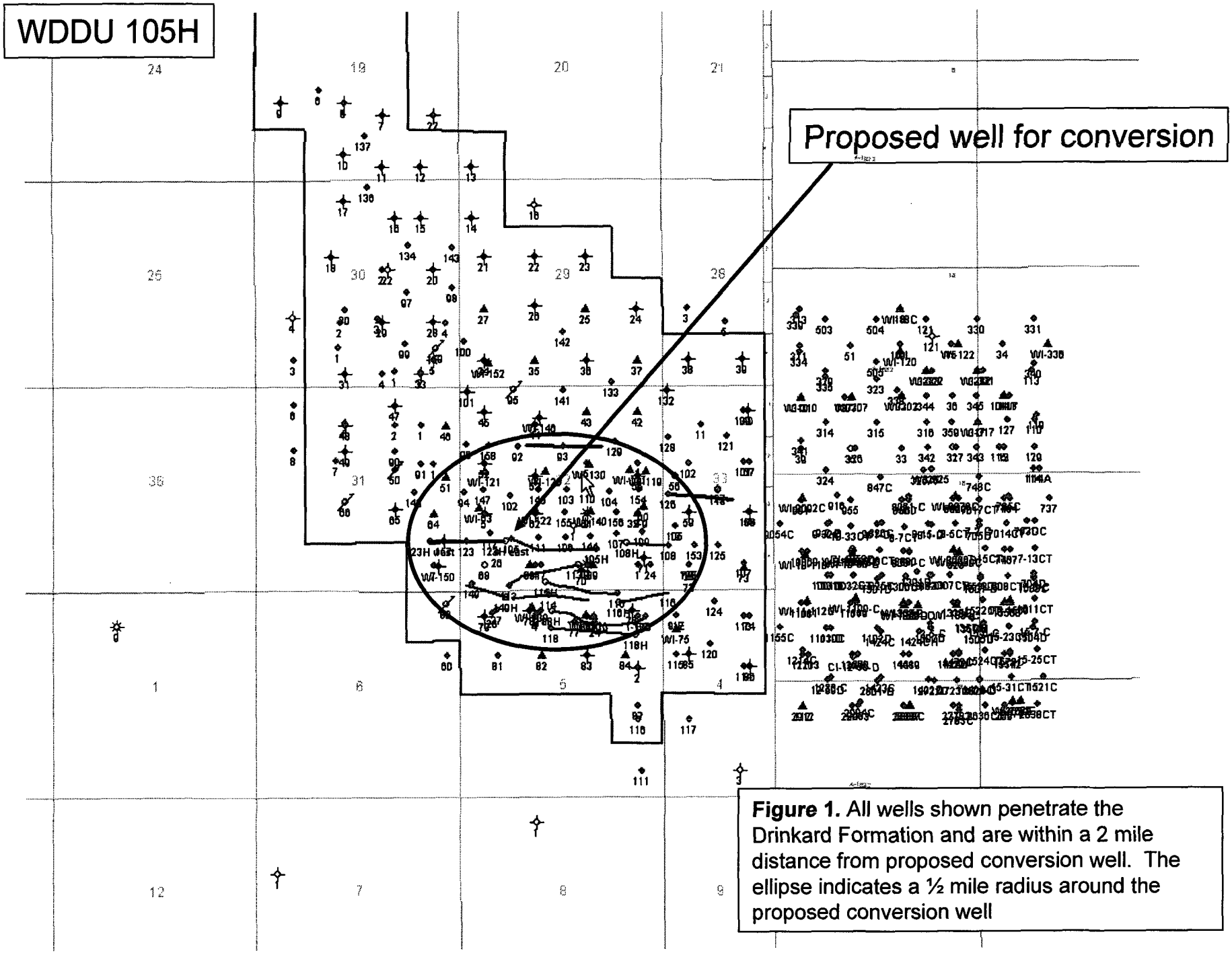



**Figure 1.** All wells shown penetrate the Drinkard Formation and are within a 2 mile distance from proposed conversion well. The ellipse indicates a ½ mile radius around the proposed conversion well

| WDDU 105H Conversion | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| UWI/API | LABEL | SYM | SURFLAT | SURFLON | TOWNSHIP | RANGE | SECTION | WELL TD | COMP_DATE | SPUD_DATE |
| 30025122790000 | WDDU 051 | INJ | 32.17447 | -103.09172 | 24S | 38E | 31 | 6487 | 9/11/1952 | 7/31/1952 |
| 30025122860000 | WDDU 064 | INJ | 32.17184 | -103.09279 | 24S | 38E | 31 | 8735 | 9/1/1963 | 8/17/1963 |
| 30025122920000 | JB MCGHEE #7 | OIL | 32.16821 | -103.09279 | 24S | 38E | 31 | 6800 | 11/24/1953 | 9/26/1953 |
| 30025122920001 | JB MCGHEE #7 | OIL | 32.16821 | -103.09279 | 24S | 38E | 31 | 6800 | 1/1/2001 | 1/1/2001 |
| 30025122950000 | MEXICO J #1 | OIL | 32.16825 | -103.07568 | 24S | 38E | 32 | 10245 | 8/24/1951 | 5/4/1951 |
| 30025122950001 | MEXICO J #1 | OIL | 32.16825 | -103.07568 | 24S | 38E | 32 | 10245 | 1/1/2001 | 1/1/2001 |
| 30025122960000 | MEXICO J #2 | OIL | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 12/28/1951 | 9/10/1951 |
| 30025122960001 | MEXICO J #2 | DRY | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 11/11/1969 | 1/1/1969 |
| 30025122960002 | MEXICO J #2 | OIL | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 4/6/1973 | 1/1/1973 |
| 30025122960003 | MEXICO J #2 | GAS | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 7/24/1990 | 7/12/1990 |
| 30025122970000 | MEXICO J #3 | OIL | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 2/25/1952 | 10/22/1951 |
| 30025122970001 | W DLRHDE DVNN #9 | OIL | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 9/8/1958 | 8/26/1958 |
| 30025122970002 | W DLRHDE DVNN 32 #9 | INJ | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 3/11/1963 | 3/6/1963 |
| 30025122980000 | MEXICO J #4 | OIL | 32.16822 | -103.08426 | 24S | 38E | 32 | 10185 | 5/29/1952 | 1/7/1952 |
| 30025122990000 | MEXICO J #5 | OIL | 32.17184 | -103.08852 | 24S | 38E | 32 | 8745 | 7/15/1952 | 5/3/1952 |
| 30025122990001 | MEXICO J #5 | OIL | 32.17184 | -103.08852 | 24S | 38E | 32 | 8745 | 3/13/1976 | 3/10/1976 |
| 30025122990002 | MEXICO J #5 | DRY | 32.17184 | -103.08852 | 24S | 38E | 32 | 8745 | 5/1/1996 | 4/23/1996 |
| 30025123010000 | WDDU 063 | INJ | 32.17225 | -103.089 | 24S | 38E | 32 | 6850 | 4/1/1953 | 2/12/1953 |
| 30025123030000 | WDDU 061 | P&A | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 9/21/1953 | 8/9/1953 |
| 30025123030001 | MEXICO 'J' #9 | OIL | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 11/30/1994 | 11/10/1994 |
| 30025123030002 | MEXICO 'J' #9 | GAS | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 10/30/1996 | 8/12/1996 |
| 30025123040000 | WDDU 062 | P&A | 32.17185 | -103.08425 | 24S | 38E | 32 | 6878 | 9/22/1953 | 8/6/1953 |
| 30025123090000 | WDDU 060 | INJ | 32.17229 | -103.07519 | 24S | 38E | 32 | 6915 | 12/10/1953 | 10/30/1953 |
| 30025123100000 | WDDU 071 | P&A | 32.16866 | -103.0752 | 24S | 38E | 32 | 6900 | 12/9/1953 | 11/3/1953 |
| 30025123110000 | MEXICO J #17 | OIL | 32.168222 | -103.083778 | 24S | 38E | 32 | 8600 | 4/8/1954 | 2/5/1954 |
| 30025123130000 | WDDU 070 | P&A | 32.16782 | -103.08043 | 24S | 38E | 32 | 6900 | 4/22/1954 | 3/9/1954 |
| 30025123140000 | WDDU 069 | INJ | 32.16822 | -103.08474 | 24S | 38E | 32 | 6890 | 5/20/1954 | 4/11/1954 |
| 30025123150000 | WDDU 068 | SIINJ | 32.16821 | -103.08852 | 24S | 38E | 32 | 6860 | 5/16/1954 | 4/11/1954 |
| 30025123170000 | WDDU 089 | INJ | 32.16824 | -103.07946 | 24S | 38E | 32 | 8680 | 11/27/1983 | 4/18/1983 |
| 30025123180000 | MEXICO J #24 | OIL | 32.16825 | -103.07461 | 24S | 38E | 32 | 8700 | 7/26/1956 | 5/19/1956 |
| 30025123190000 | STATE Y" #1" | OIL | 32.17542 | -103.07568 | 24S | 38E | 32 | 8935 | 6/20/1952 | 3/10/1952 |
| 30025123200000 | WDDU 052 | P&A | 32.17537 | -103.08851 | 24S | 38E | 32 | 8920 | 4/7/1963 | 3/25/1963 |
| 30025123230000 | STATE Y #5 | OIL | 32.1754 | -103.07994 | 24S | 38E | 32 | 7956 | 5/28/1953 | 3/31/1953 |
| 30025123260000 | WDDU 053 | P&A | 32.17448 | -103.08425 | 24S | 38E | 32 | 6912 | 1/11/1954 | 11/30/1953 |
| 30025123290000 | WDDU 055 | P&A | 32.1745 | -103.07567 | 24S | 38E | 32 | 6927 | 5/2/1954 | 3/25/1954 |
| 30025123340000 | WDDU 072 | INJ | 32.16735 | -103.07142 | 24S | 38E | 33 | 6870 | 3/1/1956 | 12/31/1955 |
| 30025123370000 | HARRY LEONARD #7-E | OIL | 32.16825 | -103.07141 | 24S | 38E | 33 | 10310 | 12/27/1951 | 9/2/1951 |
| 30025123370001 | W DLRHDE DVNN #13 | OIL | 32.16825 | -103.07141 | 24S | 38E | 33 | 10310 | 12/3/1954 | 11/30/1954 |
| 30025123370002 | WST DLLRHD DVNN UNT | OIL | 32.16825 | -103.07141 | 24S | 38E | 33 | 10310 | 3/11/1963 | 3/7/1963 |
| 30025123400000 | HARRY LEONARD A #19 | OIL | 32.17098 | -103.07248 | 24S | 38E | 33 | 8780 | 3/16/1953 | 11/2/1952 |
| 30025123400001 | W DLRHDE DVNN #105 | OIL | 32.17098 | -103.07248 | 24S | 38E | 33 | 8780 | 1/1/2001 | 1/1/2001 |
| 30025123460000 | WDDU 059 | P&A | 32.17188 | -103.07141 | 24S | 38E | 33 | 6870 | 9/18/1953 | 8/3/1953 |
| 30025123490000 | WDDU 056 | SIINJ | 32.17451 | -103.07247 | 24S | 38E | 33 | 6900 | 9/7/1954 | 7/25/1954 |
| 30025123650000 | MEXICO L #1-EO | OIL | 32.16462 | -103.07568 | 25S | 38E | 5 | 10360 | 11/30/1951 | 8/3/1951 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 30025123650001 | MEXICO L #1 | OIL | 32.16462 | -103.07568 | 25S | 38E | 5 | 10360 | 1/24/1973 | 12/10/1972 |
| 30025123670000 | MEXICO L #3 | OIL | 32.16461 | -103.07995 | 25S | 38E | 5 | 10215 | 4/10/1952 | 1/9/1952 |
| 30025123670001 | MEXICO L #3 | OIL | 32.16461 | -103.07995 | 25S | 38E | 5 | 10215 | 6/29/1979 | 6/15/1979 |
| 30025123680000 | MEXICO L #4 | OIL | 32.16459 | -103.08426 | 25S | 38E | 5 | 10200 | 10/15/1952 | 6/24/1952 |
| 30025123680001 | MEXICO L #4 | OIL | 32.16459 | -103.08426 | 25S | 38E | 5 | 10200 | 7/28/1967 | 1/1/1967 |
| 30025123750000 | MEXICO L #11 | OIL | 32.16499 | -103.08377 | 25S | 38E | 5 | 8490 | 11/6/1953 | 9/5/1953 |
| 30025123750001 | MEXICO L #11 | OIL | 32.16499 | -103.08377 | 25S | 38E | 5 | 8490 | 7/17/1967 | 1/1/1967 |
| 30025123750002 | MEXICO L #11 | OIL | 32.16499 | -103.08377 | 25S | 38E | 5 | 8490 | 8/28/1989 | 8/21/1989 |
| 30025123780000 | WDDU 078 | P&A | 32.16499 | -103.08474 | 25S | 38E | 5 | 6860 | 12/9/1953 | 10/29/1953 |
| 30025123790000 | WDDU 079 | P&A | 32.16458 | -103.08852 | 25S | 38E | 5 | 6850 | 12/13/1953 | 11/5/1953 |
| 30025123800000 | WDDU 076 | P&A | 32.16503 | -103.07617 | 25S | 38E | 5 | 6890 | 4/5/1954 | 2/17/1954 |
| 30025123810000 | WDDU 077 | P&A | 32.16419 | -103.08101 | 25S | 38E | 5 | 6880 | 4/10/1958 | 3/8/1954 |
| 30025123860000 | W DLRHDE DVNN #2 | OIL | 32.16459 | -103.07933 | 25S | 38E | 5 | 7666 | 3/26/1955 | 2/9/1955 |
| 30025123860001 | WST DLLHDE DVNN UNI | INJ | 32.16459 | -103.07933 | 25S | 38E | 5 | 7666 | 5/5/1964 | 1/1/1964 |
| 30025123860002 | WST DLLHDE DVNN UNI | OIL | 32.16459 | -103.07933 | 25S | 38E | 5 | 7666 | 3/23/1971 | 1/1/1971 |
| 30025123860003 | WST DLLHDE DVNN UNI | OIL | 32.16459 | -103.07933 | 25S | 38E | 5 | 7666 | 10/20/1972 | 1/1/1972 |
| 30025123870000 | WDDU 088 | OIL | 32.16451 | -103.07505 | 25S | 38E | 5 | 8680 | 3/20/1983 | 3/13/1983 |
| 30025123880000 | MEXICO L #24 | OIL | 32.16418 | -103.0793 | 25S | 38E | 5 | 8700 | 10/5/1957 | 8/10/1957 |
| 30025123980000 | WDDU 080 | TA | 32.16549 | -103.09172 | 25S | 38E | 6 | 6840 | 6/18/1954 | 4/13/1954 |
| 30025249270000 | W DLRHDE DVNN #WI-11 | INJ | 32.17486 | -103.07499 | 24S | 38E | 32 | 8000 | 5/26/1975 | 2/25/1975 |
| 30025254210000 | MEXICO J #1 | DRY | 32.17095 | -103.08101 | 24S | 38E | 32 | 7967 | 8/12/1977 | 6/28/1977 |
| 30025256720000 | MEXICO L #26 | OIL | 32.16484 | -103.08788 | 25S | 38E | 5 | 8900 | 10/6/1978 | 7/27/1978 |
| 30025265230000 | MEXICO J #26 | OIL | 32.16912 | -103.08746 | 24S | 38E | 32 | 8750 | 1/22/1980 | 12/4/1979 |
| 30025265230001 | MEXICO O" #26" | OIL | 32.16912 | -103.08746 | 24S | 38E | 32 | 8750 | 10/15/1981 | 10/6/1981 |
| 30025300540000 | WDDU 094 | OIL | 32.1734 | -103.09023 | 24S | 38E | 32 | 6856 | 1/3/1988 | 11/15/1987 |
| 30025302280000 | WDDU 092 | OIL | 32.17662 | -103.0857 | 24S | 38E | 32 | 6920 | 5/9/1989 | 4/12/1989 |
| 30025302290000 | WDDU 093 | OIL | 32.17662 | -103.08186 | 24S | 38E | 32 | 6960 | 10/17/1989 | 8/11/1989 |
| 30025308240000 | WDDU 102 | OIL | 32.17313 | -103.08631 | 24S | 38E | 32 | 6948 | 1/27/1991 | 12/7/1990 |
| 30025308250000 | WDDU 103 | OIL | 32.1735 | -103.08165 | 24S | 38E | 32 | 6905 | 2/27/1991 | 12/27/1990 |
| 30025308260000 | WDDU 104 | OIL | 32.17341 | -103.078 | 24S | 38E | 32 | 6955 | 3/12/1991 | 1/31/1991 |
| 30025308270000 | WDDU 105 | OIL | 32.17011 | -103.08622 | 24S | 38E | 32 | 6875 | 4/8/1991 | 3/6/1991 |
| 30025308280000 | WDDU 106 | OIL | 32.17016 | -103.08176 | 24S | 38E | 32 | 6900 | 3/29/1991 | 2/18/1991 |
| 30025308290000 | WDDU 107 | OIL | 32.17037 | -103.07746 | 24S | 38E | 32 | 6901 | 5/2/1991 | 3/21/1991 |
| 30025308300000 | WDDU 108 | OIL | 32.169738 | -103.073046 | 24S | 38E | 33 | 6955 | 5/18/1991 | 4/9/1991 |
| 30025314820000 | WDDU 113 | OIL | 32.16678 | -103.08663 | 24S | 38E | 32 | 7435 | 10/26/1992 | 9/17/1992 |
| 30025314830000 | WDDU 115 | OIL | 32.1661 | -103.07778 | 25S | 38E | 5 | 7510 | 12/24/1992 | 10/22/1992 |
| 30025314840000 | WDDU 116 | OIL | 32.16626 | -103.07306 | 25S | 38E | 4 | 7580 | 2/26/1993 | 12/29/1992 |
| 30025314870000 | WDDU 120 | SI_INJ | 32.17481 | -103.08346 | 24S | 38E | 32 | 7495 | 8/17/1993 | 7/15/1993 |
| 30025314880000 | WDDU 121 | INJ | 32.17483 | -103.08853 | 24S | 38E | 32 | 7500 | 7/27/1993 | 6/29/1993 |
| 30025314890000 | WDDU 122 | INJ | 32.17206 | -103.08425 | 24S | 38E | 32 | 7635 | 1/24/1993 | 12/11/1992 |
| 30025314990000 | WDDU 114 | OIL | 32.16612 | -103.08315 | 25S | 38E | 5 | 7440 | 12/17/1992 | 10/5/1992 |
| 30025315000000 | WDDU 118 | OIL | 32.16334 | -103.08315 | 25S | 38E | 5 | 7480 | 2/28/1993 | 11/21/1992 |
| 30025319710000 | WDDU 123 | OIL | 32.1699 | -103.09001 | 24S | 38E | 32 | 7455 | 7/19/1993 | 6/7/1993 |
| 30025319730000 | WDDU 126 | OIL | 32.17318 | -103.07306 | 24S | 38E | 33 | 7555 | 8/2/1993 | 6/30/1993 |
| 30025319950000 | WDDU 131 | INJ | 32.17494 | -103.07629 | 24S | 38E | 32 | 7000 | 6/15/1994 | 5/15/1994 |
| 30025319990000 | WDDU 139 | INJ | 32.16525 | -103.08452 | 25S | 38E | 5 | 6900 | 6/27/1994 | 6/1/1994 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 30025320140000 | WDDU 129 | OIL | 32.17694 | -103.07758 | 24S | 38E | 32 | 7605 | 9/7/1993 | 7/31/1993 |
| 30025320150000 | WDDU 130 | INJ | 32.17534 | -103.07968 | 24S | 38E | 32 | 7575 | 8/28/1993 | 8/7/1993 |
| 30025321620000 | WDDU 140 | INJ | 32.172 | -103.0796 | 24S | 38E | 32 | 7530 | 10/26/1993 | 9/1/1993 |
| 30025323720000 | WDDU 144 | OIL | 32.17027 | -103.07962 | 24S | 38E | 32 | 7477 | 6/15/1994 | 4/27/1994 |
| 30025323730000 | WDDU 145 | OIL | 32.17353 | -103.08399 | 24S | 38E | 32 | 7455 | 5/17/1994 | 3/26/1994 |
| 30025327660000 | WDDU 109 | OIL | 32.17056 | -103.07524 | 24S | 38E | 32 | 7550 | 3/25/1995 | 2/3/1995 |
| 30025327670000 | WDDU 110 | OIL | 32.17365 | -103.07983 | 24S | 38E | 32 | 7575 | 4/17/1995 | 2/8/1995 |
| 30025327680000 | WDDU 111 | OIL | 32.17015 | -103.08401 | 24S | 38E | 32 | 7475 | 3/27/1995 | 2/20/1995 |
| 30025327690000 | WDDU 112 | OIL | 32.17045 | -103.0881 | 24S | 38E | 32 | 7412 | 4/4/1995 | 2/25/1995 |
| 30025327700000 | WDDU 149 | OIL | 32.16685 | -103.09013 | 24S | 38E | 32 | 7500 | 4/28/1995 | 3/15/1995 |
| 30025327720000 | WDDU 151 | INJ | 32.16466 | -103.08001 | 25S | 38E | 5 | 6925 | 6/7/1995 | 4/15/1995 |
| 30025327730000 | WDDU 150 | P&A | 32.16818 | -103.0924 | 24S | 38E | 31 | 6975 | 6/7/1995 | 3/19/1995 |
| 30025328430000 | WDDU 147 | OIL | 32.17354 | -103.08861 | 24S | 38E | 32 | 7525 | 5/11/1995 | 3/30/1995 |
| 30025334010000 | WDDU 153 | OIL | 32.1696 | -103.07096 | 24S | 38E | 33 | 7200 | 8/17/1996 | 6/16/1996 |
| 30025334020000 | WDDU 154 | OIL | 32.17351 | -103.07556 | 24S | 38E | 32 | 7200 | 8/8/1996 | 7/1/1996 |
| 30025334030000 | WDDU 155 | OIL | 32.17191 | -103.08178 | 24S | 38E | 32 | 7250 | 8/26/1996 | 7/19/1996 |
| 30025334040000 | WDDU 157 | P&A | 32.1699 | -103.09195 | 24S | 38E | 31 | 6935 | 10/20/1996 | 9/20/1996 |
| 30025334050000 | WDDU 158 | OIL | 32.17666 | -103.08815 | 24S | 38E | 32 | 7250 | 11/13/1996 | 10/4/1996 |
| 30025334130000 | WDDU 156 | OIL | 32.17193 | -103.07742 | 24S | 38E | 32 | 7200 | 11/12/1996 | 9/4/1996 |
| 30025353360000 | Mexico L #27 | OIL | 32.165089 | -103.087485 | 25S | 38E | 5 | 10410 | 2001 | 2001 |
| 30025314840001 | WDDU 116H | OIL | 32.16626 | -103.07306 | 25S | 38E | 5 | 7730 | 2000 | 2000 |
| 30025319710001 | WDDU 123Heast | OIL | 32.1699 | -103.09001 | 24S | 38E | 32 | 7326 | 1998 | 1998 |
| 30025319710002 | WDDU 123Hwest | OIL | 32.1699 | -103.09001 | 24S | 38E | 32 | 7267 | 1998 | 1998 |
| 30025315000001 | WDDU 118H | OIL | 32.16334 | -103.08315 | 25S | 38E | 5 | 8576 | 2001 | 2001 |
| 30025327700001 | WDDU 149H | OIL | 32.16685 | -103.09013 | 24S | 38E | 32 | 7308 | 2001 | 2001 |
| 30025308300001 | WDDU 108H | OIL | 32.169738 | -103.073046 | 24S | 38E | 33 | 7557 | 2001 | 2001 |
| 30025308270001 | WDDU 105H | OIL | 32.17011 | -103.08622 | 24S | 38E | 32 | 8535 | 2002 | 2002 |
| 30025123870001 | WDDU 088H | OIL | 32.16451 | -103.07505 | 25S | 38E | 5 | 8970 | 2002 | 2002 |
| 30025314830001 | WDDU 115H | OIL | 32.1661 | -103.07778 | 25S | 38E | 5 | 8364 | 2002 | 2002 |
| 30025314820001 | WDDU 113H | OIL | 32.16678 | -103.08663 | 24S | 38E | 32 | 8218 | 2002 | 2002 |

Side 1

# INJECTION WELL DATA SHEET

OPERATOR: CHEVRONTEXACO EXPLORATION AND PRODUCTION COMPANY

WELL NAME & NUMBER: WEST DOLLARHIDE DRINKARD # 108 H

| WELL LOCATION: | 1201' FSL & 156' FWL | M | 33 | 24S | 38E |
|---|---|---|---|---|---|
| | FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE |

***WELLBORE SCHEMATIC***

***WELL CONSTRUCTION DATA***

Surface Casing

Hole Size: 14.3/4" Casing Size: 11-3/4"

Cemented with: 1000 sx. ***or*** _____ $ft^3$

Top of Cement: Surface Method Determined: Circ Cmt.

Intermediate Casing

Hole Size: 11" Casing Size: 8-5/8"

Cemented with: 1450 sx. ***or*** _____ $ft^3$

Top of Cement: Surface Method Determined: Circ Cmt.

Production Casing

Hole Size: 7-7/8" Casing Size: 5-1/2"

Cemented with: 1325 sx. ***or*** _____ $ft^3$

Top of Cement: Surface Method Determined: Circ Cmt.

Total Depth: 6595'

Injection Interval

_____ feet to _____

(Perforated or Open Hole; indicate which)

## INJECTION WELL DATA SHEET

Tubing Size: 2-7/8" Lining Material: _____

Type of Packer: _____

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes __X__No

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

2. Name of the Injection Formation: DRINKARD

3. Name of Field or Pool (if applicable): WEST DOLLARHIDE DRINKARD UNIT

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

   NA

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

   YATES 2686', QUEEN 3633', SAN ANDRES 4055', TUBB 6043', DRK 6440', ABO 6628'

# HORIZONTAL WELL DATA SHEET

| | | | |
|---|---|---|---|
| **Field:** West Dollarhide Drinkard Unit | **Well Name:** WDDU # 108H | | **Lease Type:** State |
| **Location:** 1201' FSL & 156' FWL | **Sec:** 33 | **Township:** 24S | **Range:** 38E |
| **County:** Lea **State:** NM | **Chevno:** | **API:** 30-025-30830 | **Cost Center:** UCU881500 |
| **Current Status:** Active Oil Producer | **Unit Letter:** M | | **CHEVNO:** KZ8810 |
| **Current Producing Formation(s)** TUBB/DRINKARD | | | |

***Surface Csg.***

| | |
|---|---|
| **Size:** | 11-3/4" |
| **Wt.:** | 42# |
| **Set @:** | 1200' |
| **Sxs cmt:** | 1000 |
| **Hole:** | 14-3/4" |
| **TOC:** | surface |

***Intermediate Csg.***

| | |
|---|---|
| **Size:** | 8-5/8" |
| **Wt.:** | 32# |
| **Set @:** | 4000' |
| **Sxs Cmt:** | 1450 |
| **Hole:** | 11" |
| **TOC:** | surface |

**DV Tool @ 3691'**

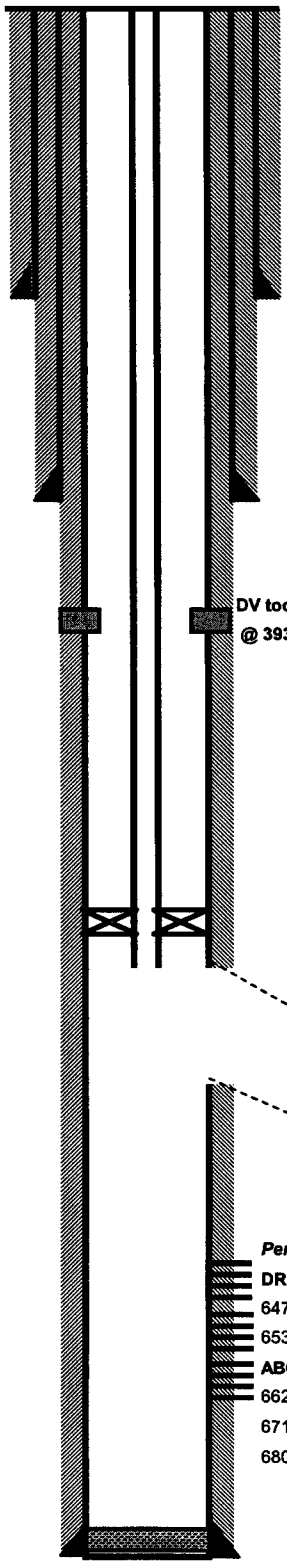
***Production Csg.***

| | |
|---|---|
| **Size:** | 5-1/2" |
| **Wt.:** | 15.5 & 17# |
| **Set @:** | 6955' |
| **Sxs Cmt:** | 1325 |

| | |
|---|---|
| **Hole:** | 7-7/8" |
| | |
| **TOC:** | surface |

| | |
|---|---|
| **PBTD:** | 6595' |
| **ORIG TD:** | 6955' |

**epared by:** CHAY
**Date:** 3/3/2004




GL: 3177'
KB: 3191'
DF:

Spud Date: 4/9/1991
Comp Date: 5/11/1991

**Completion Information:**
Producing Intervals & Stimulation:

**Subsequent Workovers**

**2-93** WO to add perfs & frac. MIRU, ran 4-3/4" bit & 5-1/2" csg scrapper to 6900'. Ran RBP & Pkr on 2-7/8" tbg. Set RPB @ 6595' & Pkr @ 6575'. Perf 5-1/2" csg w/4 JSPF @ 6510' - 6530', total 83 holes, Tst. Frac 5-1/2" csg perfs, 6479' to 6530', (110 holes), w/1260 gals pre pad & 13,988 gals gel. Screened out @ 8000 PSI. Swab. Tag sand @ 5480'. Rig up coil tbg unit, CO sd from 5480' to 6590'. Tst = 149 Oil, 46 bbls Wtr & 39 MCF, GOR 262, gravity = 37.6 @ 60 deg. Producing from 5-1/2" csg perfs, 6479' to 6530', Dollarhide Drinkard Pool.
**1-96** Fill @ 6562'. Acdz w/3000 gals 15% HCL.
**5-97** RBP @ 6595', under pkr pmp 1000 gals 15% HCL, scale sqz.
**6-99** Acid wash w/sonic hammer on 2-7/8" tbg w/2000 gals 15% NEFE HCL & 240 bbls 2% KCL. Aczd perfs 6479' to 6562' w/4000 gals 15% HCL w/2500 # RS fl w/40 bbls 2% KCL. Scale sqz.
**6-01** Tag PBTD @ 6587' TIH w/CIBP set @ 6412'. TIH w/ whipstock & set face @ 272 deg. AZ. Mill lateral hole from 6400' to 7557' MD. Stim DRK OH w/3,0000 gals 20% HCL, 5900 gals scale inhi & 16,000 gals WF-130. ND frac tree, work frac string, got pipe loose, Btm of tbg @ 4360', Knock CIBP dn to PBTD @ 6595'. TIH w/tbg & rods, SN @ 6538'. Knock out CIBP, Load & tst pmp to 500 PSI. DV tool @ 3939'. **TOW @ 6399', BOW @ 6405'.**

**Window @ 6399' to 6405'**
**Angle 83.70'**
**Vertcal Section 1099.98'**

**MD @ 7557'**
**TVD @ 6495'**

***Perfs*** 5/10/1991
**DRK - w/1 SPF, Total 30 holes**
6479'-81'; 6483'-91'; 6501'; 6504'-6'; 6519'
6535'-37'; '6540'; 6547'-6551'; 6557'-6562';
**ABO, w/1JSPF, Total 43 holes**
6626'-28'; 6657'; 6694'-96'; 6707'-11'
6716'-19'; 6730'-36'; 6777'; 6786'-89'; 6792'-96
6802'; 6806'-11'; 6834'-36'; 6846'-52'; 6881'-85'

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

# OIL CONSERVATION DIVISION

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

Form C-104
Revised February 10,199
Instructions on back
Submit to Appropriate District Offic
5 Copie

AMENDED REPORT

## I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

| 1 Operator Name and Address | 2 OGRID Number |
|---|---|
| TEXACO EXPLORATION & PRODUCTION INC.<br>15 Smith Rd MIDLAND, TX 79705 | 022351<br>3 Reason for Filing Code<br>RC |

| 4 API Number | 5 Pool Name | 6 Pool Code |
|---|---|---|
| 30 025 30830 | DOLLARHIDE TUBB DRINKARD | 18830 |
| **7 Property Code** | **8 Property Name** | **9 Well No.** |
| 010926 | WEST DOLLARHIDE DRINKARD UNIT | 108 |

## II. 10 Surface Location

| Ul or lot no | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 33 | 24S | 38E | | 1201 | SOUTH | 156 | WEST | LEA |

## 11 Bottom Hole Location

| Ul or lot no | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---|---|---|---|---|---|---|---|---|---|
| P | 32 | 24S | 38E | | 1198 | SOUTH | 944 | EAST | LEA |

| 12 Lse Code | 13 Producing Method Code | 14 Gas Connection Date | 15 C-129 Permit Number | 16 C-129 Effective Date | 17 C-129 Expiration Date |
|---|---|---|---|---|---|
| S | P | 1/17/92 | | | |

## III. Oil and Gas Transporters

| 18 Transporter OGRID | 19 Transporter Name and Address | 20 POD | 21 O/G | 22 POD ULSTR Location and Description |
|---|---|---|---|---|
| 037480 | EOTT ENERGY PIPELINE CO. | [redacted] | O | M-33-24S-38E<br>LEA COUNTY, NM<br>(BY LACT @ BATTERY) |
| 024650 | DYNEGY | [redacted] | G | M-33-24S-38E<br>LEA COUNTY, NM<br>METER #161-213403 |
| [redacted] | | [redacted] | | |
| [redacted] | | [redacted] | | |
| [redacted] | | [redacted] | | |

## IV. Produced Water

| 23 POD | 24 POD ULSTR Location and Description |
|---|---|
| | M-33-24S-38E LEA COUNTY, NM |

## V. Well Completion Data

| 25 Spud Date | 26 Ready Date | 27 Total Depth | 28 PBTD | 29 Perforations |
|---|---|---|---|---|
| 6/19/01 | 7/6/01 | 7557' | 6595' | 6399-6405 |

| 30 HOLE SIZE | 31 CASING & TUBING SIZE | 32 DEPTH SET | 33 SACKS CEMENT |
|---|---|---|---|
| NO CHANGE | | | |

## VI. Well Test Data

| 34 Date New Oil | 35 Gas Delivery Date | 36 Date of Test | 37 Length of Test | 38 Tubing Pressure | 39 Casing Pressure |
|---|---|---|---|---|---|
| 7/15/01 | 7-15-01 | 7-23-01 | 24 HRS | | |
| **40 Choke Size** | **41 Oil - Bbls.** | **42 Water - Bbls.** | **43 Gas - MCF** | **44 AOF** | **45 Test Method** |
| | 47 | 209 | 51 | | P |

46

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Depa. ent

# OIL CONSERVATION DIVISION

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

Form C-101
Revised February 10,199
Instructions on bac
Submit to Appropriate District Offic
State Lease - 6 Copie
Fee Lease - 5 Copie
☐ AMENDED REPORT

## APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| 1 Operator Name and Address | 2 OGRID Number |
|---|---|
| TEXACO EXPLORATION & PRODUCTION INC.<br>15 SMITH ROAD, MIDLAND, TX 79705 | 022351 |
| | 3 API Number<br>30 025 30830 |

| 4 Property Code | 5 Property Name | 6 Well No. |
|---|---|---|
| 010926 | WEST DOLLARHIDE DRINKARD UNIT | 108 |

### 7 Surface Location

| Ul or lot no. | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 33 | 24S | 38E | | 1201 | SOUTH | 156 | WEST | LEA |

### 8 Proposed Bottom Hole Location If Different From Surface

| Ul or lot no. | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 32 | 24S | 38E | | 1201 | SOUTH | 1644 | EAST | LEA |

| 9 Proposed Pool 1 | 10 Proposed Pool 2 |
|---|---|
| DOLLARHIDE TUBB DRINKARD | |

| 11 Work Type Code | 12 WellType Code | 13 Rotary or C.T. | 14 Lease Type Code | 15 Ground Level Elevation |
|---|---|---|---|---|
| P | O | ROTARY | S | 3177' GL |
| **16 Multiple** | **17 Proposed Depth** | **18 Formation** | **19 Contractor** | **20 Spud Date** |
| No | 8149' | DRINKARD | | 8/1/2002 |

### 21 Proposed Casing and Cement Program

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|---|---|---|---|---|---|
| NO CHANGE | | | | | |

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zoneand proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

TEXACO E&P INTENDS TO DRILL A HORIZONTAL LATERAL IN THE SUBJECT WELL

KICK OFF POINT - 6349'
TOP OF WINDOW - 6344'
BOTTOM OF WINDOW - 6354'

23 I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature J. Denise Leake

Printed Name J. Denise Leake

Title Regulatory Specialist

Date 5/22/2002 Telephone 915-687-7375

## OIL CONSERVATION DIVISION

Approved By: ORIGINAL SIGNED BY PAUL F. KAUTZ

Title: PETROLEUM ENGINEER

Approval Date: JUL 31 2002 Expiration Date:

Conditions of Approval: Attached ☐

S C a

DeSoto/Nichols 3-94 ver 1.10

2/24/04

# WDDU # 108H

**API 3002530830**
**1201' FSL, 156' FWL**
**Unit M Sec 33, T24S, R38E**
**Lea County, NM**

GL 3177'
KB 3195'
DF 3194'
TD 6955'

**Lateral Window**
**TOW 6399'**
**BOW 6405'**

**PBTD 6595'** (6/01-Junk CIBP)

PBTD 6599' (tagged fill 5/97)
5-1/2" 15.5# and 17# @ 6955'

Perforations 6479'-6562' (30 holes)
6626'-6885' (43 holes)
Reperf 6510'-6530' (83 holes) and window frac'd 3/93

PROCEDURE TO CONVERT TO INJECTION

1. Complete MOC and file with Larry Williams.
2. Move in injection head and injection tubing.
3. Install injection flowline.
4. Notify NMOCD 24 hours prior to moving on well.
5. MIRU PU. Pull rods and pump.
6. Install BOP.
7. TOH w/ production tubing laying down.
8. TIH with bit to 6420'.
9. TIH and set CIBP @ 6412 '.
10. TIH w/injection packer on 2 3/8" IPC injection tubing with profile. Set packer ~6350'.
11. Circulate packer fluid.
12. RD pulling unit, clean location, place well on injection.
13. Run injection profile after two weeks.

# Proposed Horizontal Injection Set Up

| | | | | |
|---|---|---|---|---|
| **Field:** West Dollarhide Drinkard Unit | | **Well Name:** WDDU # 108H | | **Lease Type:** State |
| **Location:** 1201' FSL & 156' FWL | **Sec:** 33 | **Township:** 24S | **Range:** 38E | **Cost Center:** UCU881500 |
| **County:** Lea | **State:** NM | | **API:** 30-025-30830 | **CHEVNO:** KZ8810 |
| **Current Status:** Active Oil Producer | | **Unit Letter:** M | | **Spud Date:** 4/9/1991 |
| **Current Producing Formation(s):** | | **TUBB/DRINKARD** | | **Comp Date:** 5/11/1991 |
| **GL:** 3177' **KB:** 3191' **DF:** | | | | |

***Surface Csg.***

| | |
|---|---|
| **Size:** | **11-3/4"** |
| **Wt.:** | **42#** |
| **Set @:** | **1200'** |
| **Sxs cmt:** | **1000** |
| **Hole:** | **14-3/4"** |
| **TOC:** | **surface** |

***Intermediate Csg.***

| | |
|---|---|
| **Size:** | **8-5/8"** |
| **Wt.:** | **32#** |
| **Set @:** | **4000'** |
| **Sxs Cmt:** | **1450** |
| **Hole:** | **11"** |
| **TOC:** | **surface** |

**DV Tool @ 3691'**

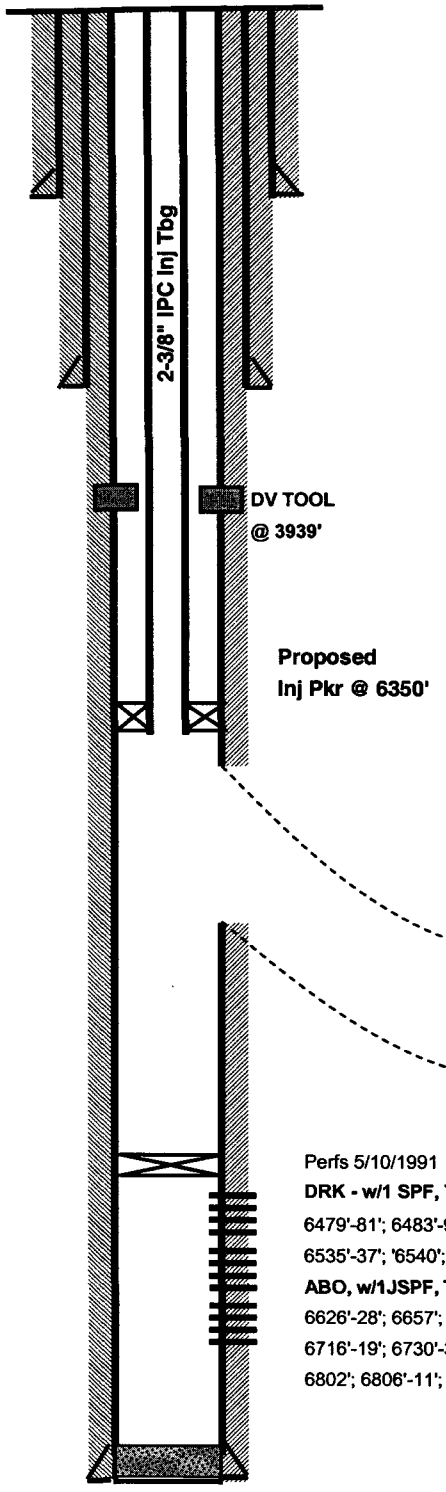
***Production Csg.***

| | |
|---|---|
| **Size:** | **5-1/2"** |
| **Wt.:** | **15.5 & 17#** |
| **Set @:** | **6955'** |
| **Sxs Cmt:** | **1325** |
| **Hole:** | **7-7/8"** |
| **TOC:** | **surface** |

**Proposed CIBP @ 6412'**

| | |
|---|---|
| **PBTD:** | **6920'** |
| **ORIG TD:** | **6955'** |

| | |
|---|---|
| **Updated:** | CHAY |
| **Date:** | 3/3/2004 |




**Completion Information:**
Producing Intervals & Stimulation:

**Subsequent Workovers**

**2-93** WO to add perfs & frac. MIRU, ran 4-3/4" bit & 5-1/2" csg scrapper to 6900'. Ran RBP & Pkr on 2-7/8" tbg. Set RPB @ 6595' & Pkr @ 6575'. Perf 5-1/2" csg w/4 JSPF @ 6510' - 6530', total 83 holes, Tst. Frac 5-1/2" csg perfs, 6479' to 6530', (110 holes), w/1260 gals pre pad & 13,988 gals gel. Screened out @ 8000 PSI. Swab. Tag sand @ 5480'. Rig up coil tbg unit, CO sd from 5480' to 6590'. Tst = 149 Oil, 46 bbls Wtr & 39 MCF, GOR 262, gravity = 37.6 @ 60 deg. Producing from 5-1/2" csg perfs, 6479' to 6530', Dollarhide Drinkard Pool.
**1-96** Fill @ 6562'. Acdz w/3000 gals 15% HCL.
**5-97** RBP @ 6595', under pkr pmp 1000 gals 15% HCL, scale sqz.
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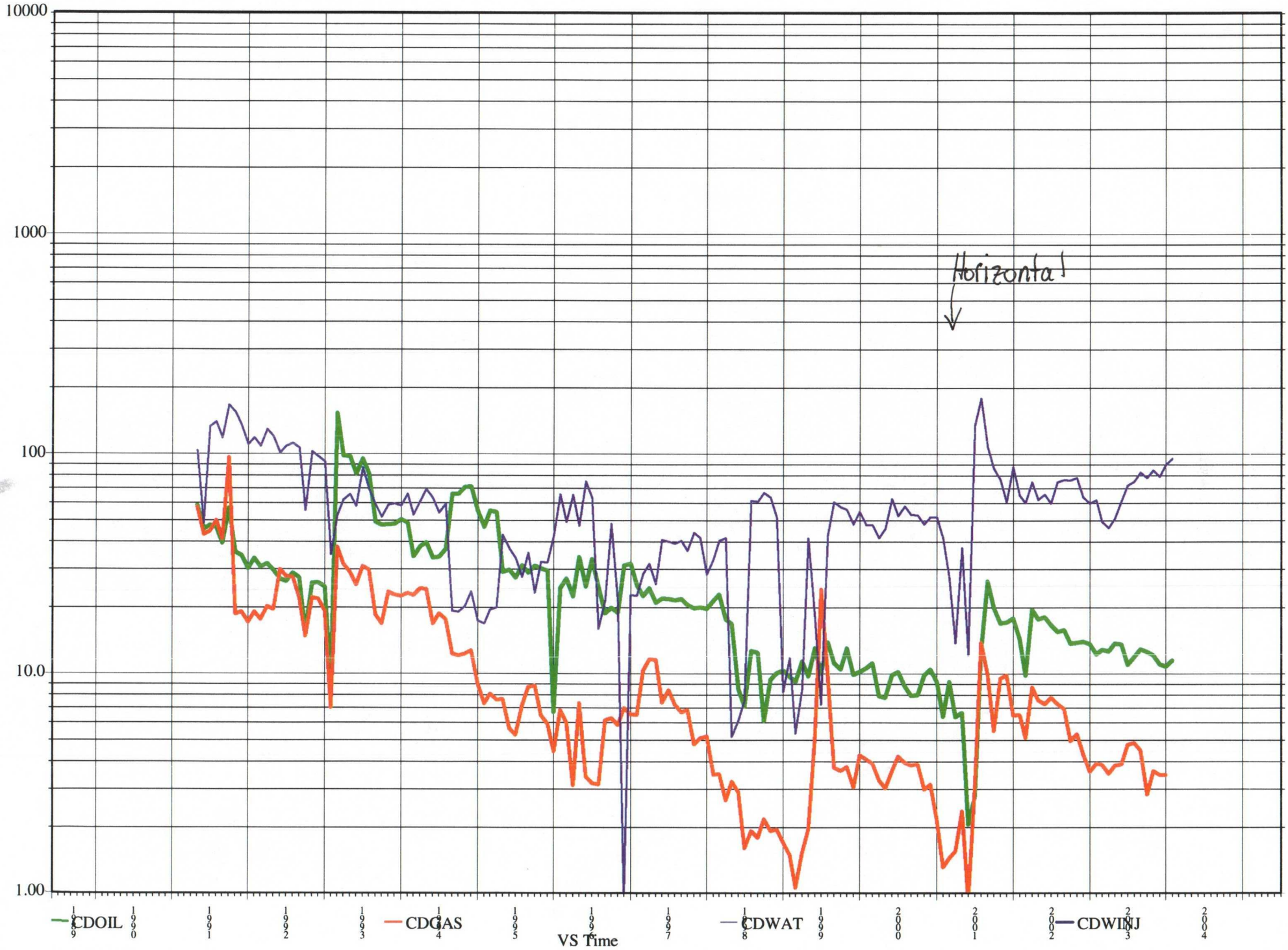
**6-01** Tag PBTD @ 6587' TIH w/CIBP set @ 6412'. TIH w/ whipstock & set face @ 272 deg. AZ. Mill lateral hole from 6400' to 7557' MD. Stim DRK OH w/3,0000 gals 20% HCL, 5900 gals scale inhi & 16,000 gals WF-130. ND frac tree, work frac string, got pipe loose, Btm of tbg @ 4360', Knock CIBP dn to PBTD @ 6595'. TIH w/tbg & rods, SN @ 6538'. Load & tst pmp to 500 PSI. DV tool @ 3939'.
**TOW @ 6399', BOW @ 6405'.**

**Proposed Workover or Reconditioning:**
POOH w/production equipment, set CIBP @ 6412'. RIH w/2-3/8" IPC Injection tbg w/injection pkr set @ 6350'.

ChevronTexaco, Exploration & Production Co.
WDDU #108

108

Group: Temporary Wells In Group: 2 Format: tglo - WELL



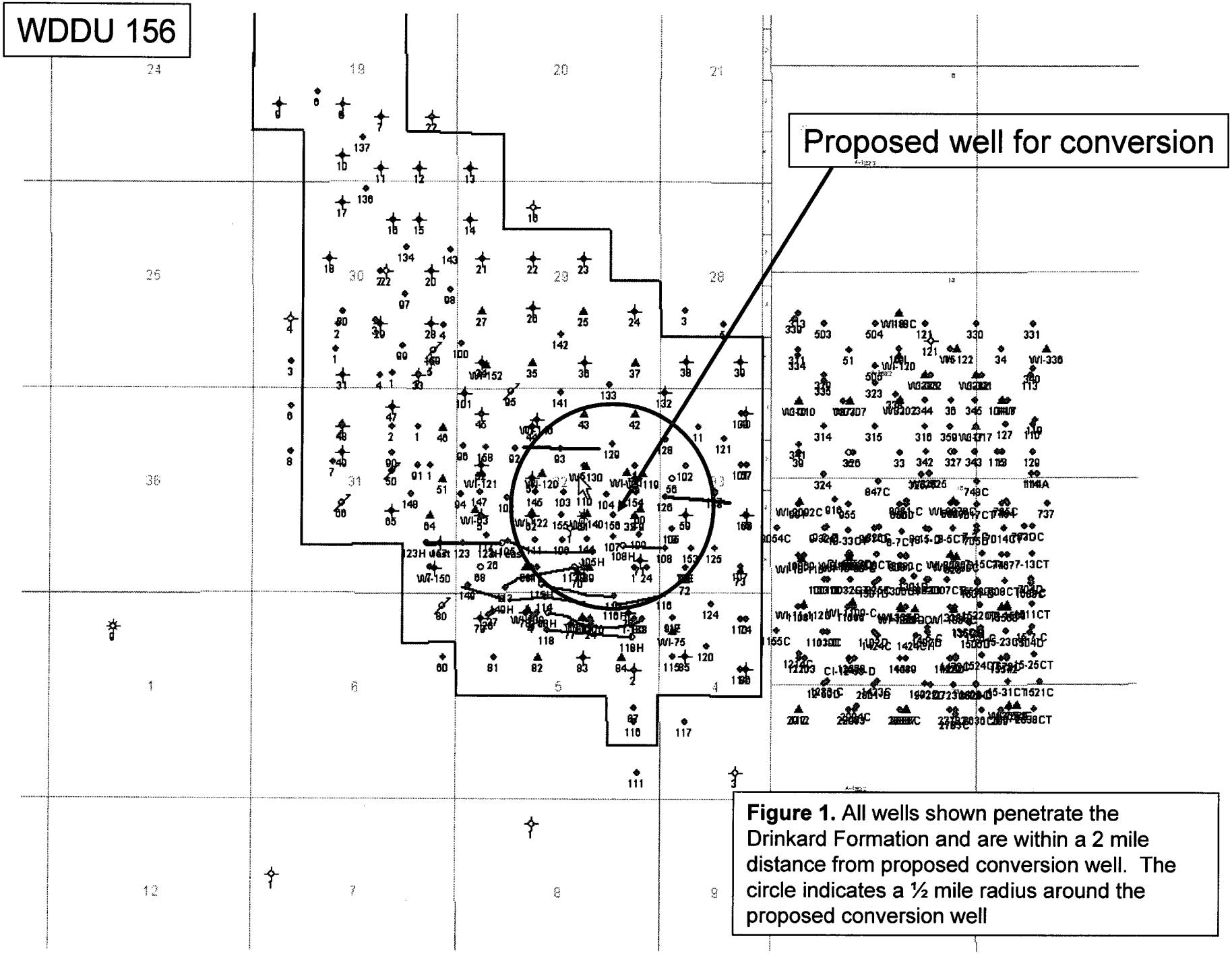



**Figure 1.** All wells shown penetrate the Drinkard Formation and are within a 2 mile distance from proposed conversion well. The circle indicates a ½ mile radius around the proposed conversion well

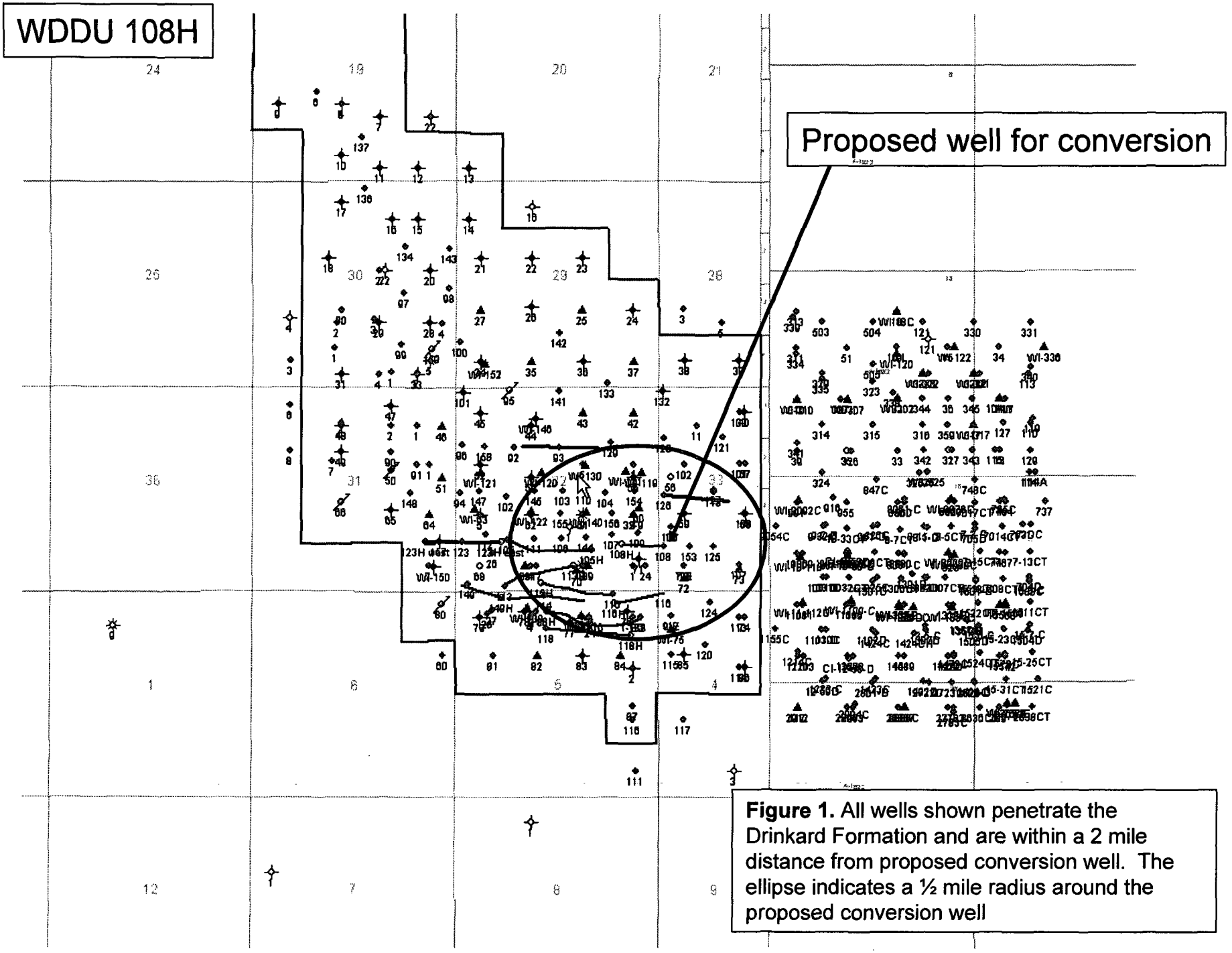



**Figure 1.** All wells shown penetrate the Drinkard Formation and are within a 2 mile distance from proposed conversion well. The ellipse indicates a ½ mile radius around the proposed conversion well

| WDDU 108H Conversion | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| UWI/API | LABEL | SYM | SURFLAT | SURFLON | TOWNSHIP | RANGE | SECTION | WELL TD | COMP_DATE | SPUD_DATE |
| 30025122950000 | MEXICO J #1 | OIL | 32.16825 | -103.07568 | 24S | 38E | 32 | 10245 | 8/24/1951 | 5/4/1951 |
| 30025122950001 | MEXICO J #1 | OIL | 32.16825 | -103.07568 | 24S | 38E | 32 | 10245 | 1/1/2001 | 1/1/2001 |
| 30025122960000 | MEXICO J #2 | OIL | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 12/28/1951 | 9/10/1951 |
| 30025122960001 | MEXICO J #2 | DRY | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 11/11/1969 | 1/1/1969 |
| 30025122960002 | MEXICO J #2 | OIL | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 4/6/1973 | 1/1/1973 |
| 30025122960003 | MEXICO J #2 | GAS | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 7/24/1990 | 7/12/1990 |
| 30025122970000 | MEXICO J #3 | OIL | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 2/25/1952 | 10/22/1951 |
| 30025122970001 | W DLRHDE DVNN #9 | OIL | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 9/8/1958 | 8/26/1958 |
| 30025122970002 | W DLRHDE DVNN 32 #9 | INJ | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 3/11/1963 | 3/6/1963 |
| 30025122980000 | MEXICO J #4 | OIL | 32.16822 | -103.08426 | 24S | 38E | 32 | 10185 | 5/29/1952 | 1/7/1952 |
| 30025123030000 | WDDU 061 | P&A | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 9/21/1953 | 8/9/1953 |
| 30025123030001 | MEXICO 'J' #9 | OIL | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 11/30/1994 | 11/10/1994 |
| 30025123030002 | MEXICO 'J' #9 | GAS | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 10/30/1996 | 8/12/1996 |
| 30025123040000 | WDDU 062 | P&A | 32.17185 | -103.08425 | 24S | 38E | 32 | 6878 | 9/22/1953 | 8/6/1953 |
| 30025123090000 | WDDU 060 | INJ | 32.17229 | -103.07519 | 24S | 38E | 32 | 6915 | 12/10/1953 | 10/30/1953 |
| 30025123100000 | WDDU 071 | P&A | 32.16866 | -103.0752 | 24S | 38E | 32 | 6900 | 12/9/1953 | 11/3/1953 |
| 30025123110000 | MEXICO J #17 | OIL | 32.168222 | -103.08378 | 24S | 38E | 32 | 8600 | 4/8/1954 | 2/5/1954 |
| 30025123130000 | WDDU 070 | P&A | 32.16782 | -103.08043 | 24S | 38E | 32 | 6900 | 4/22/1954 | 3/9/1954 |
| 30025123140000 | WDDU 069 | INJ | 32.16822 | -103.08474 | 24S | 38E | 32 | 6890 | 5/20/1954 | 4/11/1954 |
| 30025123170000 | WDDU 089 | INJ | 32.16824 | -103.07946 | 24S | 38E | 32 | 8680 | 11/27/1983 | 4/18/1983 |
| 30025123180000 | MEXICO J #24 | OIL | 32.16825 | -103.07461 | 24S | 38E | 32 | 8700 | 7/26/1956 | 5/19/1956 |
| 30025123190000 | STATE Y" #1" | OIL | 32.17542 | -103.07568 | 24S | 38E | 32 | 8935 | 6/20/1952 | 3/10/1952 |
| 30025123230000 | STATE Y #5 | OIL | 32.1754 | -103.07994 | 24S | 38E | 32 | 7956 | 5/28/1953 | 3/31/1953 |
| 30025123290000 | WDDU 055 | P&A | 32.1745 | -103.07567 | 24S | 38E | 32 | 6927 | 5/2/1954 | 3/25/1954 |
| 30025123340000 | WDDU 072 | INJ | 32.16735 | -103.07142 | 24S | 38E | 33 | 6870 | 3/1/1956 | 12/31/1955 |
| 30025123370000 | HARRY LEONARD #7-E | OIL | 32.16825 | -103.07141 | 24S | 38E | 33 | 10310 | 12/27/1951 | 9/2/1951 |
| 30025123370001 | W DLRHDE DVNN #13 | OIL | 32.16825 | -103.07141 | 24S | 38E | 33 | 10310 | 12/3/1954 | 11/30/1954 |
| 30025123370002 | WST DLLRHD DVNN UNT | OIL | 32.16825 | -103.07141 | 24S | 38E | 33 | 10310 | 3/11/1963 | 3/7/1963 |
| 30025123380000 | W DLRHDE DVNN #106 | OIL | 32.17188 | -103.06637 | 24S | 38E | 33 | 8025 | 6/18/1952 | 4/14/1952 |
| 30025123390000 | W DLRHDE DVNN #107 | OIL | 32.16825 | -103.06676 | 24S | 38E | 33 | 7965 | 10/20/1952 | 8/17/1952 |
| 30025123400000 | HARRY LEONARD A #19 | OIL | 32.17098 | -103.07248 | 24S | 38E | 33 | 8780 | 3/16/1953 | 11/2/1952 |
| 30025123400001 | W DLRHDE DVNN #105 | OIL | 32.17098 | -103.07248 | 24S | 38E | 33 | 8780 | 1/1/2001 | 1/1/2001 |
| 30025123410000 | W DLRHDE DVNN #102 | OIL | 32.17542 | -103.0714 | 24S | 38E | 33 | 7990 | 1/28/1953 | 12/9/1952 |
| 30025123450000 | WDDU 058 | P&A | 32.17188 | -103.06628 | 24S | 38E | 33 | 6850 | 7/28/1953 | 6/2/1953 |
| 30025123460000 | WDDU 059 | P&A | 32.17188 | -103.07141 | 24S | 38E | 33 | 6870 | 9/18/1953 | 8/3/1953 |
| 30025123470000 | WDDU 073 | INJ | 32.16798 | -103.06675 | 24S | 38E | 33 | 6850 | 9/10/1953 | 7/25/1953 |
| 30025123490000 | WDDU 056 | SIINJ | 32.17451 | -103.07247 | 24S | 38E | 33 | 6900 | 9/7/1954 | 7/25/1954 |
| 30025123560000 | HARRY LEONARD E #9 | OIL | 32.16463 | -103.07248 | 25S | 38E | 4 | 10300 | 5/13/1952 | 1/16/1952 |
| 30025123560001 | W DLRHDE DVNN #112 | OIL | 32.16463 | -103.07248 | 25S | 38E | 4 | 10300 | 1/1/2001 | 1/1/2001 |
| 30025123590000 | WDDU 075 | INJ | 32.16372 | -103.07248 | 25S | 38E | 4 | 6870 | 7/23/1954 | 6/16/1954 |
| 30025123650000 | MEXICO L #1-EO | OIL | 32.16462 | -103.07568 | 25S | 38E | 5 | 10360 | 11/30/1951 | 8/3/1951 |
| 30025123650001 | MEXICO L #1 | OIL | 32.16462 | -103.07568 | 25S | 38E | 5 | 10360 | 1/24/1973 | 12/10/1972 |
| 30025123670000 | MEXICO L #3 | OIL | 32.16461 | -103.07995 | 25S | 38E | 5 | 10215 | 4/10/1952 | 1/9/1952 |
| 30025123670001 | MEXICO L #3 | OIL | 32.16461 | -103.07995 | 25S | 38E | 5 | 10215 | 6/29/1979 | 6/15/1979 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 30025123800000 | WDDU 076 | P&A | 32.16503 | -103.07617 | 25S | 38E | 5 | 6890 | 4/5/1954 | 2/17/1954 |
| 30025123810000 | WDDU 077 | P&A | 32.16419 | -103.08101 | 25S | 38E | 5 | 6880 | 4/10/1958 | 3/8/1954 |
| 30025123860000 | W DLRHDE DVNN #2 | OIL | 32.16459 | -103.07933 | 25S | 38E | 5 | 7666 | 3/26/1955 | 2/9/1955 |
| 30025123860001 | WST DLLHDE DVNN UNI | INJ | 32.16459 | -103.07933 | 25S | 38E | 5 | 7666 | 5/5/1964 | 1/1/1964 |
| 30025123860002 | WST DLLHDE DVNN UNI | OIL | 32.16459 | -103.07933 | 25S | 38E | 5 | 7666 | 3/23/1971 | 1/1/1971 |
| 30025123860003 | WST DLLHDE DVNN UNI | OIL | 32.16459 | -103.07933 | 25S | 38E | 5 | 7666 | 10/20/1972 | 1/1/1972 |
| 30025123870000 | WDDU 088 | OIL | 32.16451 | -103.07505 | 25S | 38E | 5 | 8680 | 3/20/1983 | 3/13/1983 |
| 30025123880000 | MEXICO L #24 | OIL | 32.16418 | -103.0793 | 25S | 38E | 5 | 8700 | 10/5/1957 | 8/10/1957 |
| 30025243450000 | W DLRHDE DVNN #118 | OIL | 32.17342 | -103.06895 | 24S | 38E | 33 | 8050 | 4/10/1973 | 3/10/1973 |
| 30025243450001 | WST DLLRHD(DVNN)UNT | OIL | 32.17342 | -103.06895 | 24S | 38E | 33 | 8050 | 11/2/1979 | 9/24/1979 |
| 30025249270000 | W DLRHDE DVNN #WI-11 | INJ | 32.17486 | -103.07499 | 24S | 38E | 32 | 8000 | 5/26/1975 | 2/25/1975 |
| 30025254210000 | MEXICO J #1 | DRY | 32.17095 | -103.08101 | 24S | 38E | 32 | 7967 | 8/12/1977 | 6/28/1977 |
| 30025308250000 | WDDU 103 | OIL | 32.1735 | -103.08165 | 24S | 38E | 32 | 6905 | 2/27/1991 | 12/27/1990 |
| 30025308260000 | WDDU 104 | OIL | 32.17341 | -103.078 | 24S | 38E | 32 | 6955 | 3/12/1991 | 1/31/1991 |
| 30025308270000 | WDDU 105 | OIL | 32.17011 | -103.08622 | 24S | 38E | 32 | 6875 | 4/8/1991 | 3/6/1991 |
| 30025308280000 | WDDU 106 | OIL | 32.17016 | -103.08176 | 24S | 38E | 32 | 6900 | 3/29/1991 | 2/18/1991 |
| 30025308290000 | WDDU 107 | OIL | 32.17037 | -103.07746 | 24S | 38E | 32 | 6901 | 5/2/1991 | 3/21/1991 |
| 30025308300000 | WDDU 108 | OIL | 32.169738 | -103.07305 | 24S | 38E | 33 | 6955 | 5/18/1991 | 4/9/1991 |
| 30025314820000 | WDDU 113 | OIL | 32.16678 | -103.08663 | 24S | 38E | 32 | 7435 | 10/26/1992 | 9/17/1992 |
| 30025314830000 | WDDU 115 | OIL | 32.1661 | -103.07778 | 25S | 38E | 5 | 7510 | 12/24/1992 | 10/22/1992 |
| 30025314840000 | WDDU 116 | OIL | 32.16626 | -103.07306 | 25S | 38E | 4 | 7580 | 2/26/1993 | 12/29/1992 |
| 30025314890000 | WDDU 122 | INJ | 32.17206 | -103.08425 | 24S | 38E | 32 | 7635 | 1/24/1993 | 12/11/1992 |
| 30025314990000 | WDDU 114 | OIL | 32.16612 | -103.08315 | 25S | 38E | 5 | 7440 | 12/17/1992 | 10/5/1992 |
| 30025319720000 | WDDU 125 | OIL | 32.1696 | -103.06892 | 24S | 38E | 33 | 7565 | 7/24/1993 | 6/11/1993 |
| 30025319730000 | WDDU 126 | OIL | 32.17318 | -103.07306 | 24S | 38E | 33 | 7555 | 8/2/1993 | 6/30/1993 |
| 30025319740000 | WDDU 127 | OIL | 32.17363 | -103.06889 | 24S | 38E | 33 | 7600 | 6/6/1994 | 4/8/1994 |
| 30025319950000 | WDDU 131 | INJ | 32.17494 | -103.07629 | 24S | 38E | 32 | 7000 | 6/15/1994 | 5/15/1994 |
| 30025320150000 | WDDU 130 | INJ | 32.17534 | -103.07968 | 24S | 38E | 32 | 7575 | 8/28/1993 | 8/7/1993 |
| 30025321620000 | WDDU 140 | INJ | 32.172 | -103.0796 | 24S | 38E | 32 | 7530 | 10/26/1993 | 9/1/1993 |
| 30025323690000 | WDDU 124 | OIL | 32.16562 | -103.06919 | 25S | 38E | 4 | 7544 | 5/17/1994 | 3/15/1994 |
| 30025323720000 | WDDU 144 | OIL | 32.17027 | -103.07962 | 24S | 38E | 32 | 7477 | 6/15/1994 | 4/27/1994 |
| 30025323730000 | WDDU 145 | OIL | 32.17353 | -103.08399 | 24S | 38E | 32 | 7455 | 5/17/1994 | 3/26/1994 |
| 30025327660000 | WDDU 109 | OIL | 32.17056 | -103.07524 | 24S | 38E | 32 | 7550 | 3/25/1995 | 2/3/1995 |
| 30025327670000 | WDDU 110 | OIL | 32.17365 | -103.07983 | 24S | 38E | 32 | 7575 | 4/17/1995 | 2/8/1995 |
| 30025327680000 | WDDU 111 | OIL | 32.17015 | -103.08401 | 24S | 38E | 32 | 7475 | 3/27/1995 | 2/20/1995 |
| 30025327720000 | WDDU 151 | INJ | 32.16466 | -103.08001 | 25S | 38E | 5 | 6925 | 6/7/1995 | 4/15/1995 |
| 30025334010000 | WDDU 153 | OIL | 32.1696 | -103.07096 | 24S | 38E | 33 | 7200 | 8/17/1996 | 6/16/1996 |
| 30025334020000 | WDDU 154 | OIL | 32.17351 | -103.07556 | 24S | 38E | 32 | 7200 | 8/8/1996 | 7/1/1996 |
| 30025334030000 | WDDU 155 | OIL | 32.17191 | -103.08178 | 24S | 38E | 32 | 7250 | 8/26/1996 | 7/19/1996 |
| 30025334130000 | WDDU 156 | OIL | 32.17193 | -103.07742 | 24S | 38E | 32 | 7200 | 11/12/1996 | 9/4/1996 |
| 30025314840001 | WDDU 116H | OIL | 32.16626 | -103.07306 | 25S | 38E | 5 | 7730 | 2000 | 2000 |
| 30025315000001 | WDDU 118H | OIL | 32.16334 | -103.08315 | 25S | 38E | 5 | 8576 | 2001 | 2001 |
| 30025308300001 | WDDU 108H | OIL | 32.169738 | -103.07305 | 24S | 38E | 33 | 7557 | 2001 | 2001 |
| 30025308270001 | WDDU 105H | OIL | 32.17011 | -103.08622 | 24S | 38E | 32 | 8535 | 2002 | 2002 |
| 30025123870001 | WDDU 088H | OIL | 32.16451 | -103.07505 | 25S | 38E | 5 | 8970 | 2002 | 2002 |
| 30025314830001 | WDDU 115H | OIL | 32.1661 | -103.07778 | 25S | 38E | 5 | 8364 | 2002 | 2002 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 30025314820001 | WDDU 113H | OIL | 32.16678 | -103.08663 | 24S | 38E | 32 | 8218 | 2002 | 2002 |

Side 1

# INJECTION WELL DATA SHEET

OPERATOR: CHEVRONTEXACO EXPLORATION AND PRODUCTION COMPANY

WELL NAME & NUMBER: WEST DOLLARHIDE DRINKARD # 155 H

WELL LOCATION: 2000' FSL & 2550' FEL | J | 32 | 24S | 38E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

***WELLBORE SCHEMATIC***

***WELL CONSTRUCTION DATA***

Surface Casing

Hole Size: 11" Casing Size: 8-5/8"

Cemented with: 525 sx. *or* _____ $ft^3$

Top of Cement: Surface Method Determined: Circ Cmt.

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ $ft^3$

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7-7/8" Casing Size: 5-1/2"

Cemented with: 1820 sx. *or* _____ $ft^3$

Top of Cement: Surface Method Determined: Circ Cmt.

Total Depth: 7250'

Injection Interval

_____ feet to _____

(Perforated or Open Hole; indicate which)

## INJECTION WELL DATA SHEET

Tubing Size: 2-7/8" Lining Material: _____

Type of Packer: _____

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

### Additional Data

1. Is this a new well drilled for injection? _____Yes __X__No

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

   _____

2. Name of the Injection Formation: DRINKARD

3. Name of Field or Pool (if applicable): WEST DOLLARDHIDE DRINKARD UNIT

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

   NA

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

   _____

   YATES 2692', 7 RVS 2975', QUEEN 3624', GRAYBURG 3862', SAN ANDRES 4078', TUBB 6000',

   DRK 6302', ABO 6607'

**WELL DATA SHEET**

**FIELD: WDDU** **WELL NAME: West Dollarhide Drinkard Unit # 155** **FORMATION: Dollarhide Tubb Drinkard**

LOC: 2000' FSL & 2550' FEL SEC: 32 GL: 3192' CURRENT STATUS: Active Oil Well

TOWNSHIP: 24S COUNTY: Lea KB: API NO: 30-025-33403

RANGE: 38E STATE: NM DF to GL: Chevno: BJ4795

Unit Letter: J Spud : 7-19-96

**Current**

| | |
|---|---|
| Date Completed: 8-18-96 | Initial: Production |
| Initial Formation: Dollarhide Tubb-DRK | 79 BOPD, 55 MCF, |
| FROM: **6446'** TO: **7125'** | 210 WTR |

8-5/8" OD, 24#
Set @ 1190' w/525 sx cmt.
TOC @ Surface
11" hole

**Completion data:**

Perf 6663'-7125' w/2 JSPF, 132 holes. Acdz w/10,000 gals 20% HCL.

6446'-6576', w/2 JSPF, 86 holes. Acdz w/6500 gals 20% HCL.

**Subsequent Workover or Reconditioning:**

**1-4-99** MIRU, POH w/105 rods, parted on 7/8" coupling. TIH w/ fishing tool and caught fish. Tag @ 7193' - no fill. Set CIBP @ 6740'. TIH w/sonic hammer tool, & tbg & wtr wash & acdz perfs w/1200 gals 15% NEFE. Drop ball & Swab.

TIH w/202 jts 2-7/8" L80 tbg, TAC, 10 jts 2-7/8" L80, SN 2-7/8" x 3-1/2" mud jt. TAC set w/15 pts @ 6386' & SN @ 6703'. TIH w/2-1/2" x 1-1/4" pmp w/1-1/2" x 10' gas anchor, 9 - 1-3/4" sinker bars, 103 3/4" D87 rods, 79 7/8" D87 rods, 74 1" D87 rods. Changed out 56 3/4" couplings, 23 7/8" cplgs & 5 -1" cplgs. Space out 7" off bottom & load & Test. Rig dn.

OPT 11 Oil, 33 Wtr, 8 MCF, GOR 727. Scale sqz w/1 drum TH 793.

**TAC @ 6386'**

**Perf'd DRK w/2 JDPF - 180 deg Phasing - 86 holes**

6446'-48', 6453'-55', 6459'-66'

6469'-73',6477'-83', 6486'-88', 6493'-95'

6493'-95', 6504'-16', 6532'-36', 6574'-76'

5-1/2" OD, 15.5 & 17#, L80 LTC, & WC50 csg, Set @ 7250' w/1820 sx cmt., to Surface.
7-7/8" hole

**Perf'd ABO w/2 JDPF, 90 deg. Phasing - 132 holes**

| | |
|---|---|
| 6663'-70', 6678'-81', 6689'-92', 6696'-6700' | open |
| **Below CIBP** | |
| 6747'-51', 6770'-78', 6783'-86', 6827'-29', | closed |
| 6848'-52', 6868'-71', 6884'-87', 6980'-82', | closed |
| 6996'-7002', 7028'-31', 7103'-10', 7121'-25' | closed |

**CIBP @ 6740'**

FILE: WDDU155WB.XLS
Chay: 1-7-04

**PBTD @ 6740'**
**TD @ 7250'**

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Depar nt

# OIL CONSERVATION DIVISION

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

Form C-101
Revised February 10,199
Instructions on bac
Submit to Appropriate District Offic
State Lease - 6 Copie
Fee Lease - 5 Copie
☐ AMENDED REPORT

## APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| 1 Operator Name and Address | 2 OGRID Number |
|---|---|
| TEXACO EXPLORATION & PRODUCTION INC.<br>15 SMITH ROAD, MIDLAND, TX 79705 | 022351 |
| | 3 API Number<br>30-025-33403 |

| 4 Property Code | 5 Property Name | 6 Well No. |
|---|---|---|
| 10926 | WEST DOLLARHIDE DRINKARD UNIT | 155 |

### 7 Surface Location

| Ul or lot no. | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---|---|---|---|---|---|---|---|---|---|
| J | 32 | 24-S | 38-E | | 2000 | SOUTH | 2550 | EAST | LEA |

### 8 Proposed Bottom Hole Location If Different From Surface

| Ul or lot no. | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---|---|---|---|---|---|---|---|---|---|
| L | 33 | 24-S | 38-E | | 1700 | SOUTH | 210 | WEST | LEA |

| 9 Proposed Pool 1 | 10 Proposed Pool 2 |
|---|---|
| DOLLARHIDE TUBB DRINKARD | |

| 11 Work Type Code | 12 WellType Code | 13 Rotary or C.T. | 14 Lease Type Code | 15 Ground Level Elevation |
|---|---|---|---|---|
| P Horizontal | O | ROTARY | S | 3192' |
| **16 Multiple** | **17 Proposed Depth** | **18 Formation** | **19 Contractor** | **20 Spud Date** |
| No | 9178' | DRINKARD | | 8/10/2002 |

### 21 Proposed Casing and Cement Program

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|---|---|---|---|---|---|
| 11 | 8 5/8 | 24# | 1190' | 525 SACKS | SURFACE |
| 7 7/8 | 5 1/2 | 15.5 & 17# | 7250' | 1820 SACKS | SURFACE |
| | | | | | |
| | | | | | |
| | | | | | |

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zoneand proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

TEXACO E&P INTENDS TO DRILL A HORIZONTAL LATERAL IN THE SUBJECT WELL

KICK OFF POINT - 6328'
TOP OF WINDOW - 6323'
BOTTOM OF WINDOW - 6333'

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Horizontal

RECEIVED
Hobbs
OCD

23 I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature J. Denise Leake
Printed Name J. Denise Leake
Title Regulatory Specialist
Date 5/22/2002 Telephone 915-687-7375

**OIL CONSERVATION DIVISION**

Approved By: ORIGINAL SIGNED BY PAUL F. KAUTZ PETROLEUM ENGINEER
Title:
Approval Date: JUN 06 2002 Expiration Date:
Conditions of Approval:
Attached ☐

DeSoto/Nichols 3-94 ver 1.10

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources De ment

# OIL CONSERVATION DIVISION

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

Form C-1
Revised February 10,19
Instructions on ba
Submit to Appropriate District Off
State Lease - 4 Copi
Fee Lease - 3 Copi
☐ AMENDED REPOR

## WELL LOCATION AND ACREAGE DEDICATION PLAT

| 1 API Number | 2 Pool Code | 3 Pool Name |
|---|---|---|
| 30-025-33403 | 18830 | DOLLARHIDE; TUBB-DRINKARD |

| 4 Property Code | 5 Property Name | 6 Well No. |
|---|---|---|
| 10926 | WEST DOLLARHIDE DRINKARD UNIT | 155 |

| 7 OGRID Number | 8 Operator Name | 9 Elevation |
|---|---|---|
| 022351 | TEXACO EXPLORATION & PRODUCTION INC. | 3192' |

### 10 Surface Location

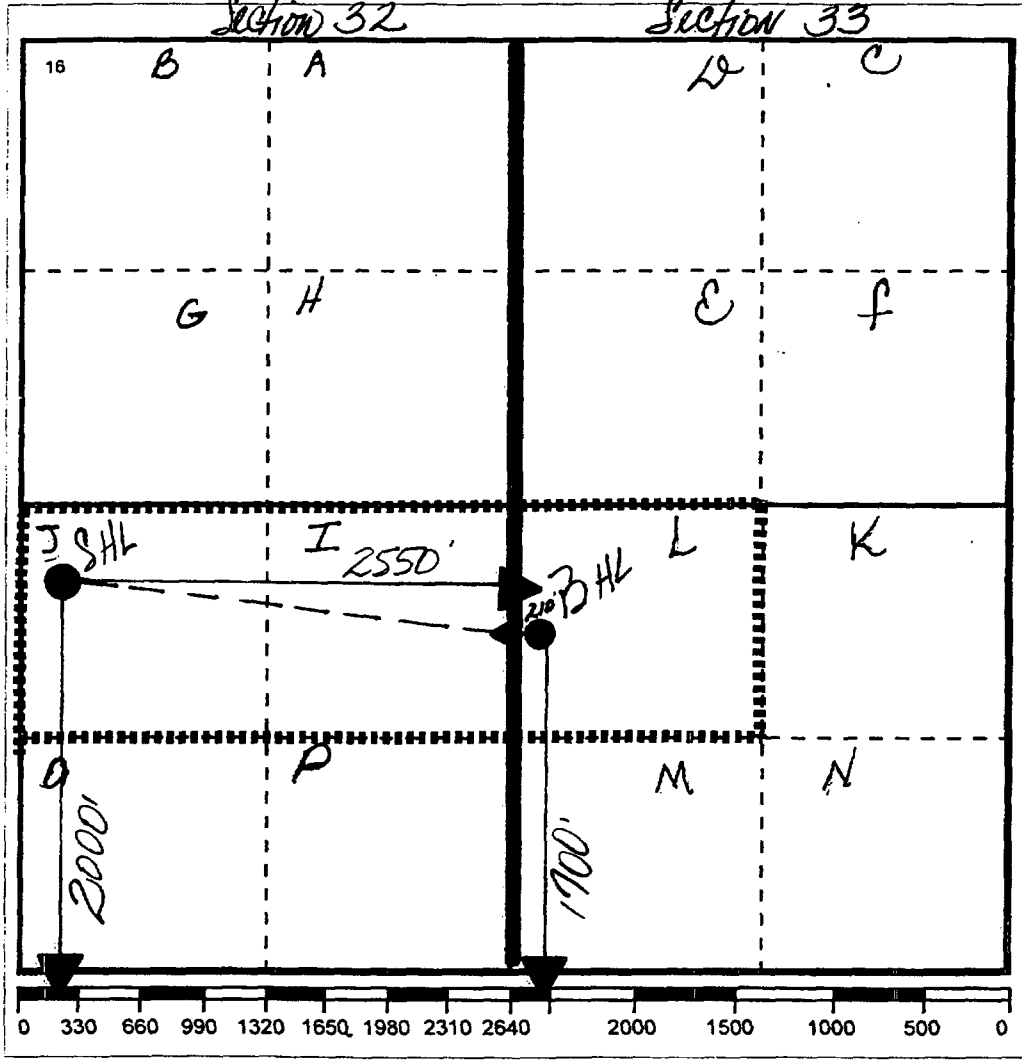
| Ul or lot no | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---|---|---|---|---|---|---|---|---|---|
| J | 32 | 24-S | 38-E | | 2000 | SOUTH | 2550 | EAST | LEA |

### 11 Bottom Hole Location If Different From Surface

| Ul or lot no. | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---|---|---|---|---|---|---|---|---|---|
| L | 33 | 24-S | 38-E | | 1700 | SOUTH | 210 | WEST | LEA |

| 12 Dedicated Acre | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|---|---|---|---|
| 120 | No | | |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION




### 17 OPERATOR CERTIFICATION

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

Signature: J. Denise Leake
Printed Name: J. Denise Leake
Positio: Regulatory Specialist
Date: 5/22/2002

### 18 SURVEYOR CERTIFICATION

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

Date Surveyed

Signature & Seal of Professional Surveyor

Certificate No.

DeSoto/Nichols 3/94 ver 1.10

2/24/04

# WDDU #155

**API 3002533403**
**2000' FSL & 2550' FEL**
**Unit J Sec 32 T24S R38E**
**Lea County, NM**

GL 3192'
KB check logs for information
TD 7250'

Perfs:
6446' - 6576' 2 SPF 86 holes
6663' - 7125' 2 SPF 132 holes
**CIBP @6740'**

## PROCEDURE TO CONVERT TO INJECTION

1. Obtain OCD approval for conversion.
2. Complete MOC and file with Larry Williams.
3. Install injection flowline.
4. Move in injection head and injection tubing.
5. Notify NMOCD 24 hours prior to moving on well.
6. MIRU PU.
7. TOH w/ rods and pump.
8. Install BOP.
9. TOH w/ tubing.
10. TIH w/ bit and scrapper to ~6740'. TOH.
11. TIH w/ Sonic Hammer Tool on tubing and acid wash perforations 6446'-6700' w/ 4000 gals 15% NEFE HCL.
12. Drop bar and swab back. TOH.
13. TIH w/ injection packer on 2 3/8" IPC injection tubing. Set packer ~6400'.
14. RD pulling unit, clean location and place well on injection.

**WELL DATA SHEET**

**FIELD: WDDU** **WELL NAME: West Dollarhide Drinkard Unit # 155** **FORMATION: Dollarhide Tubb Drinkard**

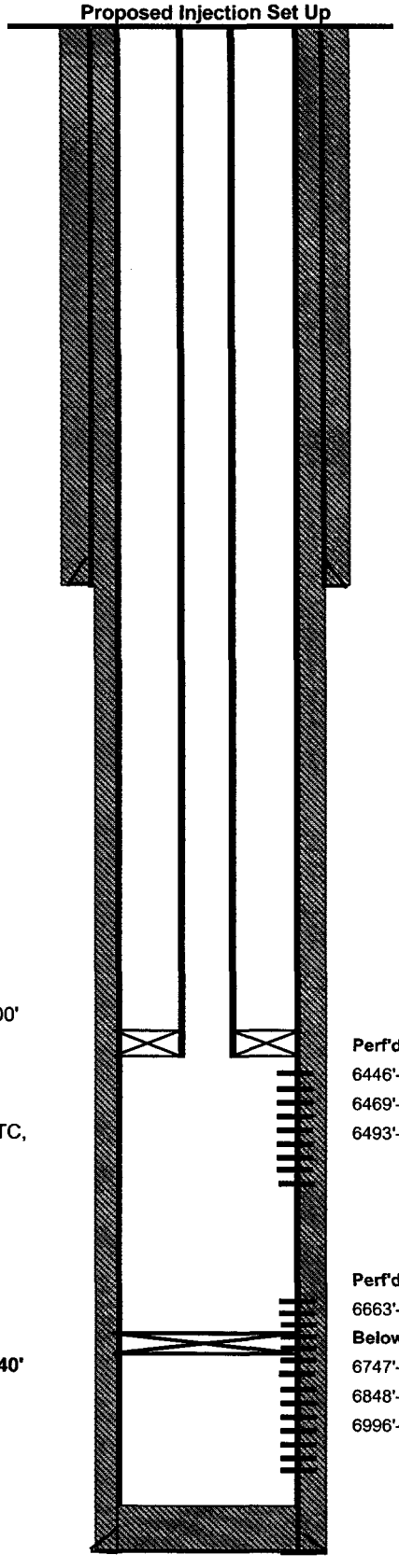
LOC: 2000' FSL & 2550' FEL SEC: 32 GL: 3192' PROPOSED STATUS: Active Injection Well

TOWNSHIP: 24S COUNTY: Lea KB: API NO: 30-025-33403

RANGE: 38E STATE: NM DF to GL: Chevno: BJ4795

Unit Letter: J Spud : 7-19-96

**Proposed Injection Set Up**



| | |
|---|---|
| Date Completed: 8-18-96 | Initial: Production |
| Initial Formation: Dollarhide Tubb-DRK | 79 BOPD, 55 MCF, |
| FROM: **6446'** TO: **7125'** | 210 WTR |

8-5/8" OD, 24#
Set @ 1190' w/525 sx cmt.
TOC @ Surface
11" hole

**Completion data:**

Perf 6663'-7125' w/2 JSPF, 132 holes. Acdz w/10,000 gals 20% HCL.
6446'-6576', w/2 JSPF, 86 holes. Acdz w/6500 gals 20% HCL.

**Subsequent Workover or Reconditioning:**

**1-4-99** MIRU, POH w/105 rods, parted on 7/8" coupling. TIH w/ fishing tool and caught fish. Tag @ 7193' - no fill. Set CIBP @ 6740'. TIH w/sonic hammer tool, & tbg & wtr wash & acdz perfs w/1200 gals 15% NEFE. Drop ball & Swab.
TIH w/202 jts 2-7/8" L80 tbg, TAC, 10 jts 2-7/8" L80, SN 2-7/8" x 3-1/2" mud jt. TAC set w/15 pts @ 6386' & SN @ 6703'. TIH w/2-1/2" x 1-1/4" pmp w/1-1/2" x 10' gas anchor, 9 - 1-3/4" sinker bars, 103 3/4" D87 rods, 79 7/8" D87 rods, 74 1" D87 rods. Changed out 56 3/4" couplings, 23 7/8" cplgs & 5 -1" cplgs. Space out 7" off bottom & load & Test. Rig dn.
OPT 11 Oil, 33 Wtr, 8 MCF, GOR 727. Scale sqz w/1 drum TH 793.

**Proposed Work**

POOH w/ production tbg, pmp & rods RIH w/injection string w/injection pkr @ 6400'

Proposed Injection Pkr @ 6400'

5-1/2" OD, 15.5 & 17#, L80 LTC,
& WC50 csg, Set @ 7250'
w/1820 sx cmt., to Surface.
7-7/8" hole

**CIBP @ 6740'**

**Perf'd DRK w/2 JDPF - 180 deg Phasing - 86 holes**
6446'-48', 6453'-55', 6459'-66'
6469'-73',6477'-83', 6486'-88', 6493'-95'
6493'-95', 6504'-16', 6532'-36', 6574'-76'

**Perf'd ABO w/2 JDPF, 90 deg. Phasing - 132 holes**

| | |
|---|---|
| 6663'-70', 6678'-81', 6689'-92', 6696'-6700' | open |
| **Below CIBP** | |
| 6747'-51', 6770'-78', 6783'-86', 6827'-29', | closed |
| 6848'-52', 6868'-71', 6884'-87', 6980'-82', | closed |
| 6996'-7002', 7028'-31', 7103'-10', 7121'-25' | closed |

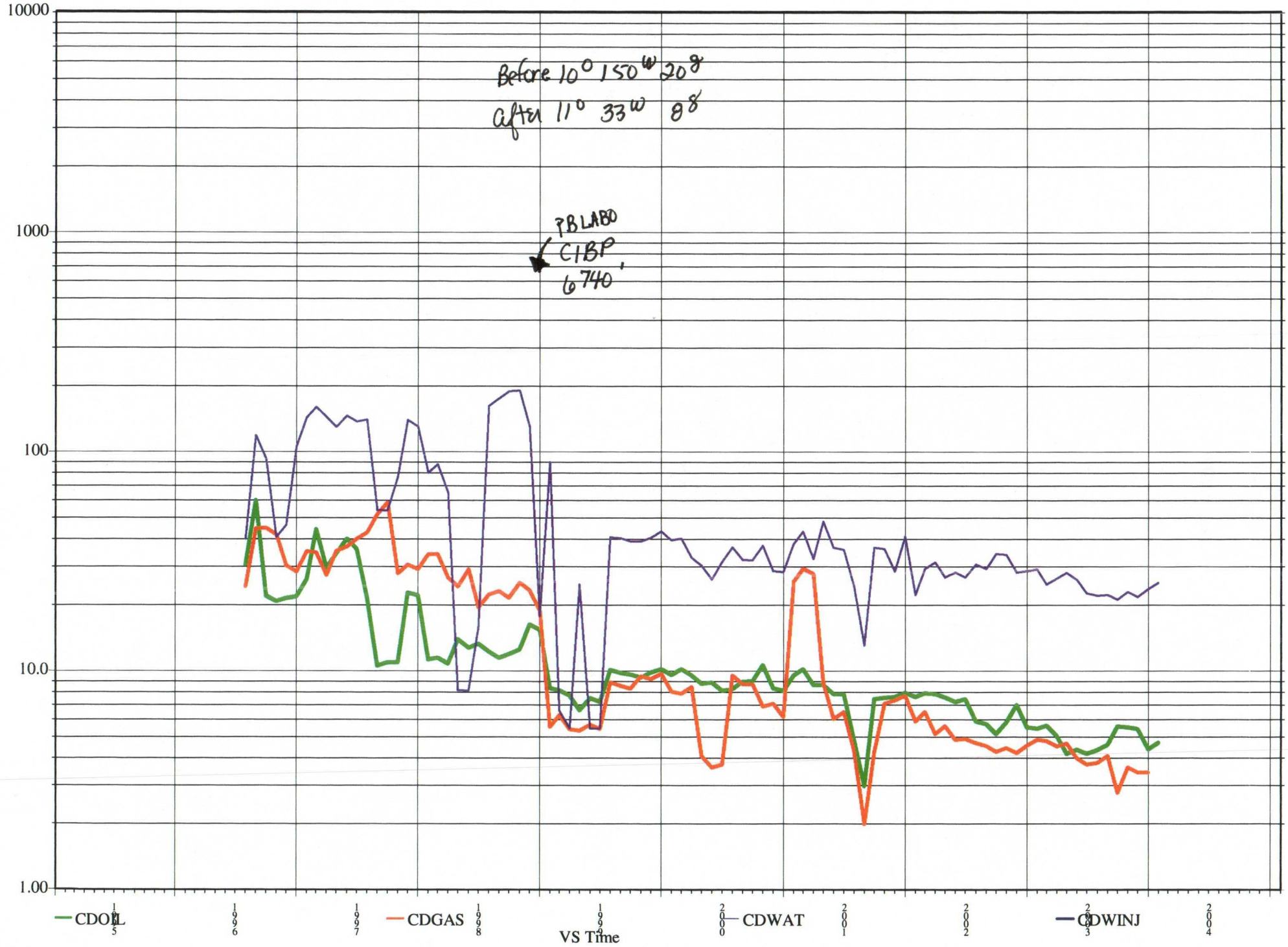
FILE: WDDU155WB.XLS
Chay: 1-7-04

**PBTD @ 6740'**
**TD @ 7250'**

ChevronTexaco, Exploration & Production Co.

[redacted]

Name: WDDU155 ID: BJ4795:0:01 Type: PR Format: tglo - WELL



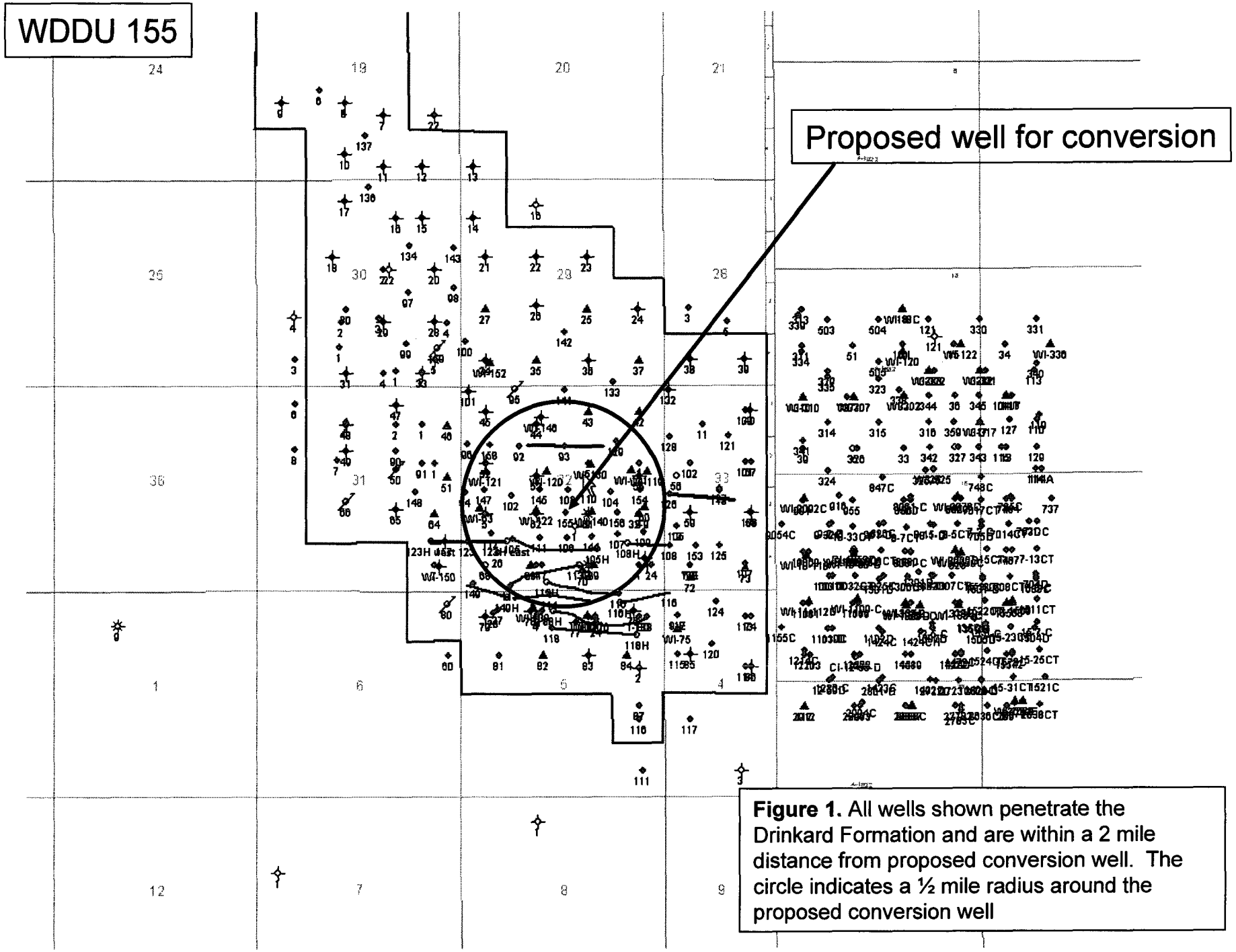



**Figure 1.** All wells shown penetrate the Drinkard Formation and are within a 2 mile distance from proposed conversion well. The circle indicates a ½ mile radius around the proposed conversion well

| WDDU 155 Conversion | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| UWI/API | LABEL | SYM | SURFLAT | SURFLON | TOWNSHIP | RANGE | SECTION | WELL TD | COMP_DATE | SPUD_DATE |
| 30025122950000 | MEXICO J #1 | OIL | 32.16825 | -103.07568 | 24S | 38E | 32 | 10245 | 8/24/1951 | 5/4/1951 |
| 30025122950001 | MEXICO J #1 | OIL | 32.16825 | -103.07568 | 24S | 38E | 32 | 10245 | 1/1/2001 | 1/1/2001 |
| 30025122960000 | MEXICO J #2 | OIL | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 12/28/1951 | 9/10/1951 |
| 30025122960001 | MEXICO J #2 | DRY | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 11/11/1969 | 1/1/1969 |
| 30025122960002 | MEXICO J #2 | OIL | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 4/6/1973 | 1/1/1973 |
| 30025122960003 | MEXICO J #2 | GAS | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 7/24/1990 | 7/12/1990 |
| 30025122970000 | MEXICO J #3 | OIL | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 2/25/1952 | 10/22/1951 |
| 30025122970001 | W DLRHDE DVNN #9 | OIL | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 9/8/1958 | 8/26/1958 |
| 30025122970002 | W DLRHDE DVNN 32 #9 | INJ | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 3/11/1963 | 3/6/1963 |
| 30025122980000 | MEXICO J #4 | OIL | 32.16822 | -103.08426 | 24S | 38E | 32 | 10185 | 5/29/1952 | 1/7/1952 |
| 30025122990000 | MEXICO J #5 | OIL | 32.17184 | -103.08852 | 24S | 38E | 32 | 8745 | 7/15/1952 | 5/3/1952 |
| 30025122990001 | MEXICO J #5 | OIL | 32.17184 | -103.08852 | 24S | 38E | 32 | 8745 | 3/13/1976 | 3/10/1976 |
| 30025122990002 | MEXICO J #5 | DRY | 32.17184 | -103.08852 | 24S | 38E | 32 | 8745 | 5/1/1996 | 4/23/1996 |
| 30025123010000 | WDDU 063 | INJ | 32.17225 | -103.089 | 24S | 38E | 32 | 6850 | 4/1/1953 | 2/12/1953 |
| 30025123030000 | WDDU 061 | P&A | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 9/21/1953 | 8/9/1953 |
| 30025123030001 | MEXICO 'J' #9 | OIL | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 11/30/1994 | 11/10/1994 |
| 30025123030002 | MEXICO 'J' #9 | GAS | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 10/30/1996 | 8/12/1996 |
| 30025123040000 | WDDU 062 | P&A | 32.17185 | -103.08425 | 24S | 38E | 32 | 6878 | 9/22/1953 | 8/6/1953 |
| 30025123090000 | WDDU 060 | INJ | 32.17229 | -103.07519 | 24S | 38E | 32 | 6915 | 12/10/1953 | 10/30/1953 |
| 30025123100000 | WDDU 071 | P&A | 32.16866 | -103.0752 | 24S | 38E | 32 | 6900 | 12/9/1953 | 11/3/1953 |
| 30025123110000 | MEXICO J #17 | OIL | 32.168222 | -103.08378 | 24S | 38E | 32 | 8600 | 4/8/1954 | 2/5/1954 |
| 30025123130000 | WDDU 070 | P&A | 32.16782 | -103.08043 | 24S | 38E | 32 | 6900 | 4/22/1954 | 3/9/1954 |
| 30025123140000 | WDDU 069 | INJ | 32.16822 | -103.08474 | 24S | 38E | 32 | 6890 | 5/20/1954 | 4/11/1954 |
| 30025123150000 | WDDU 068 | SIINJ | 32.16821 | -103.08852 | 24S | 38E | 32 | 6860 | 5/16/1954 | 4/11/1954 |
| 30025123170000 | WDDU 089 | INJ | 32.16824 | -103.07946 | 24S | 38E | 32 | 8680 | 11/27/1983 | 4/18/1983 |
| 30025123190000 | STATE Y" #1" | OIL | 32.17542 | -103.07568 | 24S | 38E | 32 | 8935 | 6/20/1952 | 3/10/1952 |
| 30025123200000 | WDDU 052 | P&A | 32.17537 | -103.08851 | 24S | 38E | 32 | 8920 | 4/7/1963 | 3/25/1963 |
| 30025123230000 | STATE Y #5 | OIL | 32.1754 | -103.07994 | 24S | 38E | 32 | 7956 | 5/28/1953 | 3/31/1953 |
| 30025123260000 | WDDU 053 | P&A | 32.17448 | -103.08425 | 24S | 38E | 32 | 6912 | 1/11/1954 | 11/30/1953 |
| 30025123270000 | WDDU 044 | P&A | 32.17811 | -103.08424 | 24S | 38E | 32 | 6922 | 2/13/1954 | 1/9/1954 |
| 30025123280000 | WDDU 043 | INJ | 32.17903 | -103.07993 | 24S | 38E | 32 | 6950 | 3/4/1954 | 2/16/1954 |
| 30025123290000 | WDDU 055 | P&A | 32.1745 | -103.07567 | 24S | 38E | 32 | 6927 | 5/2/1954 | 3/25/1954 |
| 30025249270000 | W DLRHDE DVNN #WI-11 | INJ | 32.17486 | -103.07499 | 24S | 38E | 32 | 8000 | 5/26/1975 | 2/25/1975 |
| 30025254210000 | MEXICO J #1 | DRY | 32.17095 | -103.08101 | 24S | 38E | 32 | 7967 | 8/12/1977 | 6/28/1977 |
| 30025265230000 | MEXICO J #26 | OIL | 32.16912 | -103.08746 | 24S | 38E | 32 | 8750 | 1/22/1980 | 12/4/1979 |
| 30025265230001 | MEXICO O" #26" | OIL | 32.16912 | -103.08746 | 24S | 38E | 32 | 8750 | 10/15/1981 | 10/6/1981 |
| 30025300540000 | WDDU 094 | OIL | 32.1734 | -103.09023 | 24S | 38E | 32 | 6856 | 1/3/1988 | 11/15/1987 |
| 30025302280000 | WDDU 092 | OIL | 32.17662 | -103.0857 | 24S | 38E | 32 | 6920 | 5/9/1989 | 4/12/1989 |
| 30025302290000 | WDDU 093 | OIL | 32.17662 | -103.08186 | 24S | 38E | 32 | 6960 | 10/17/1989 | 8/11/1989 |
| 30025308240000 | WDDU 102 | OIL | 32.17313 | -103.08631 | 24S | 38E | 32 | 6948 | 1/27/1991 | 12/7/1990 |
| 30025308250000 | WDDU 103 | OIL | 32.1735 | -103.08165 | 24S | 38E | 32 | 6905 | 2/27/1991 | 12/27/1990 |
| 30025308260000 | WDDU 104 | OIL | 32.17341 | -103.078 | 24S | 38E | 32 | 6955 | 3/12/1991 | 1/31/1991 |
| 30025308270000 | WDDU 105 | OIL | 32.17011 | -103.08622 | 24S | 38E | 32 | 6875 | 4/8/1991 | 3/6/1991 |
| 30025308280000 | WDDU 106 | OIL | 32.17016 | -103.08176 | 24S | 38E | 32 | 6900 | 3/29/1991 | 2/18/1991 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 30025308290000 | WDDU 107 | OIL | 32.17037 | -103.07746 | 24S | 38E | 32 | 6901 | 5/2/1991 | 3/21/1991 |
| 30025314820000 | WDDU 113 | OIL | 32.16678 | -103.08663 | 24S | 38E | 32 | 7435 | 10/26/1992 | 9/17/1992 |
| 30025314830000 | WDDU 115 | OIL | 32.1661 | -103.07778 | 25S | 38E | 5 | 7510 | 12/24/1992 | 10/22/1992 |
| 30025314870000 | WDDU 120 | SI_INJ | 32.17481 | -103.08346 | 24S | 38E | 32 | 7495 | 8/17/1993 | 7/15/1993 |
| 30025314880000 | WDDU 121 | INJ | 32.17483 | -103.08853 | 24S | 38E | 32 | 7500 | 7/27/1993 | 6/29/1993 |
| 30025314890000 | WDDU 122 | INJ | 32.17206 | -103.08425 | 24S | 38E | 32 | 7635 | 1/24/1993 | 12/11/1992 |
| 30025314990000 | WDDU 114 | OIL | 32.16612 | -103.08315 | 25S | 38E | 5 | 7440 | 12/17/1992 | 10/5/1992 |
| 30025319710000 | WDDU 123 | OIL | 32.1699 | -103.09001 | 24S | 38E | 32 | 7455 | 7/19/1993 | 6/7/1993 |
| 30025319950000 | WDDU 131 | INJ | 32.17494 | -103.07629 | 24S | 38E | 32 | 7000 | 6/15/1994 | 5/15/1994 |
| 30025320140000 | WDDU 129 | OIL | 32.17694 | -103.07758 | 24S | 38E | 32 | 7605 | 9/7/1993 | 7/31/1993 |
| 30025320150000 | WDDU 130 | INJ | 32.17534 | -103.07968 | 24S | 38E | 32 | 7575 | 8/28/1993 | 8/7/1993 |
| 30025321620000 | WDDU 140 | INJ | 32.172 | -103.0796 | 24S | 38E | 32 | 7530 | 10/26/1993 | 9/1/1993 |
| 30025323720000 | WDDU 144 | OIL | 32.17027 | -103.07962 | 24S | 38E | 32 | 7477 | 6/15/1994 | 4/27/1994 |
| 30025323730000 | WDDU 145 | OIL | 32.17353 | -103.08399 | 24S | 38E | 32 | 7455 | 5/17/1994 | 3/26/1994 |
| 30025323740000 | WDDU 146 | P&A | 32.1786 | -103.08387 | 24S | 38E | 32 | 6950 | 6/13/1994 | 5/4/1994 |
| 30025327660000 | WDDU 109 | OIL | 32.17056 | -103.07524 | 24S | 38E | 32 | 7550 | 3/25/1995 | 2/3/1995 |
| 30025327670000 | WDDU 110 | OIL | 32.17365 | -103.07983 | 24S | 38E | 32 | 7575 | 4/17/1995 | 2/8/1995 |
| 30025327680000 | WDDU 111 | OIL | 32.17015 | -103.08401 | 24S | 38E | 32 | 7475 | 3/27/1995 | 2/20/1995 |
| 30025327690000 | WDDU 112 | OIL | 32.17045 | -103.0881 | 24S | 38E | 32 | 7412 | 4/4/1995 | 2/25/1995 |
| 30025328430000 | WDDU 147 | OIL | 32.17354 | -103.08861 | 24S | 38E | 32 | 7525 | 5/11/1995 | 3/30/1995 |
| 30025334020000 | WDDU 154 | OIL | 32.17351 | -103.07556 | 24S | 38E | 32 | 7200 | 8/8/1996 | 7/1/1996 |
| 30025334030000 | WDDU 155 | OIL | 32.17191 | -103.08178 | 24S | 38E | 32 | 7250 | 8/26/1996 | 7/19/1996 |
| 30025334050000 | WDDU 158 | OIL | 32.17666 | -103.08815 | 24S | 38E | 32 | 7250 | 11/13/1996 | 10/4/1996 |
| 30025334130000 | WDDU 156 | OIL | 32.17193 | -103.07742 | 24S | 38E | 32 | 7200 | 11/12/1996 | 9/4/1996 |
| 30025319710001 | WDDU 123Heast | OIL | 32.1699 | -103.09001 | 24S | 38E | 32 | 7326 | 1998 | 1998 |
| 30025308300001 | WDDU 108H | OIL | 32.169738 | -103.07305 | 24S | 38E | 33 | 7557 | 2001 | 2001 |
| 30025308270001 | WDDU 105H | OIL | 32.17011 | -103.08622 | 24S | 38E | 32 | 8535 | 2002 | 2002 |
| 30025314830001 | WDDU 115H | OIL | 32.1661 | -103.07778 | 25S | 38E | 5 | 8364 | 2002 | 2002 |
| 30025314820001 | WDDU 113H | OIL | 32.16678 | -103.08663 | 24S | 38E | 32 | 8218 | 2002 | 2002 |

Side 1

# INJECTION WELL DATA SHEET

OPERATOR: CHEVRONTEXACO EXPLORATION AND PRODUCTION COMPANY

WELL NAME & NUMBER: WEST DOLLARHIDE DRINKARD # 156 H

WELL LOCATION: 2000' FSL & 1200' FWL | L | 32 | 24S | 38E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

***WELLBORE SCHEMATIC***

***WELL CONSTRUCTION DATA***

Surface Casing

Hole Size: 11" Casing Size: 8-5/8"

Cemented with: 525 sx. *or* _____ $ft^3$

Top of Cement: Surface Method Determined: Circ Cmt.

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ $ft^3$

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7-7/8" Casing Size: 5-1/2"

Cemented with: 1800 sx. *or* _____ $ft^3$

Top of Cement: Surface Method Determined: Circ Cmt.

Total Depth: 7200'

Injection Interval

_____ feet to _____

(Perforated or Open Hole; indicate which)

## INJECTION WELL DATA SHEET

Tubing Size: 2-7/8" Lining Material: _____

Type of Packer: _____

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

### Additional Data

1. Is this a new well drilled for injection? _____Yes __X__No

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

2. Name of the Injection Formation: DRINKARD

3. Name of Field or Pool (if applicable): WEST DOLLARDHIDE DRINKARD UNIT

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

   NA

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

   YATES 2674', 7 RVS 2960', QUEEN 3621', GRAYBURG 3869', SAN ANDRES 4094',DRK 6452'

   ABO 6659'

**WELL DATA SHEET**

**FIELD: WDDU** **WELL NAME: West Dollarhide Drinkard Unit # 156** **FORMATION: Dollarhide Tubb Drinkard**

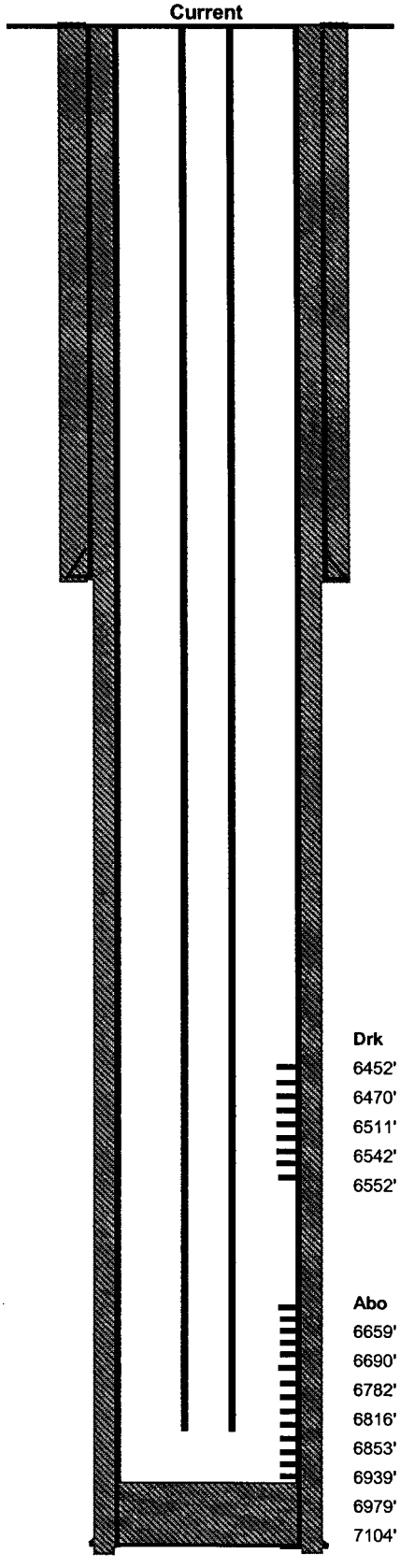
LOC: 2000' FSL & 1200' FWL SEC: 32 GL: 3164' CURRENT STATUS: Inactive Oil Well

TOWNSHIP: 24S COUNTY: Lea KB: API NO: 30-025-33413

RANGE: 38E STATE: NM DF to GL: Chevno: BK8902

Unit Letter: L Spud : 9-4-96

**Current**



| | |
|---|---|
| Date Completed: 10-2-96 | Initial: Production |
| Initial Formation: Dollarhide Tubb-Drinkar | 60 BOPD, 40 MCF, |
| FROM: 6452' TO: 7114' | 179 WTR |

8-5/8" OD, 24#
Set @ 1175' w/525 sx cmt.
TOC @ Surface
11" hole

**Completion data:**

Spud 9-4-96, Completed 10-2-96
6452' - 6554' w/2 JSPF - 76 holes - acdz w/5700 gals 15% NE FE HCL
6659' - 7114' w/2 JSPF - 114 holes - Acdz w/8700 gals
11-12-96 24 hr test, open choke, 60 oil, 40 mcf, 179 wtr, gor 667
2-7/8" tbg set @ 7119'

**Subsequent Workover or Reconditioning:**

**Drk 11/2/1996**
6452' - 54'; 6458' - 66'
6470' - 74'; 6479' - 85'
6511' - 17'; 6425' - 29'
6542' - 48'
6552' - 54'
76 holes w/2 JSPF
120 degs. Phasing

5-1/2" OD, 15.5 & 17# csg
Set @ 7200' w/1800 sx cmt.
TOC @ Surface
7-7/8" hole

**Abo 9/28/1996**
6659' - 61'; 6683' - 86'
6690' - 98'; 6762' - 66'
6782' - 84'; 6806' - 08'
6816' - 20'; 6846' - 50'
6853' - 56'; 6867' - 69'
6939' - 43'; 6961' - 63'
6979' - 88'; 7010' - 14'
7104' - 07'; 7112' - 14'
114 holes w/2 JSPF

FILE: WDDU156WB.XLS
Chay: 8-15-03

**TD @ 7200'**

2/24/04

# WDDU #156

**API 3002533413**
**Unit I 2000' FSL & 1200' FWL**
**Sec 32, T24 S, R38 E**
**Lea County, NM**

GL 3164'
KB 12.8'
TD 7200'

**Drinkard perforations:**
**6452-6454, 6458-6466, 6470-6474, 6479-6485, 6511-6517, 6425-6529, 6542-6548, 6552-6554 (76 holes, 2spf)**

**Abo Perforations:**
**6659-6661, 6683-6686, 6690-6698, 6762-6766, 6778, 6782-6784, 6806-6808, 6818-6820, 6846-6850, 6853-6856 ,6867-6869, 6939-6943, 6961-6963, 6979-6988, 7010-7014, 7104-7107, 7112-7114 (114 holes, 2spf)**

**Abandon the Abo, Acid wash the Drinkard perforations using Sonic Hammer Tool, and place well on injection.**

## PROCEDURE TO CONVERT TO INJECTION

1. Obtain OCD approval for conversion.
2. Complete MOC and file with Larry Williams.
3. Install injection flowline.
4. Move in injection head and injection tubing.
5. Notify NMOCD 24 hours prior to moving on well.
6. MIRU PU.
7. TOH w/ rods and pump.
8. Install BOP.
9. TOH w/ tubing.
10. TIH w/ bit and scrapper to ~6700'. TOH.
11. TIH w/ 5 ½" CIBP and **set CIBP ~6650'** to abandon the Abo perforations.
12. Test CIBP and chart for NMOCD. Must chart the test of CIBP and submit to NMOCD for TA Status of Abo zone.
13. TIH w/ Sonic Hammer Tool on tubing and acid wash perforations 6452'-6554' w/ 4000 gals 15% NEFE HCL.
14. Drop bar and swab back. TOH.
15. TIH w/ injection packer on 2 3/8" IPC injection tubing. Set packer ~ 6400'.
16. RD pulling unit, clean location and place well on injection.

**WELL DATA SHEET**

**FIELD: WDDU** **WELL NAME: West Dollarhide Drinkard Unit # 156** **FORMATION: Dollarhide Tubb Drinkard**

LOC: 2000' FSL & 1200' FWL SEC: 32 GL: 3164' PROPOSED STATUS: Active Injection Well

TOWNSHIP: 24S COUNTY: Lea KB: API NO: 30-025-33413

RANGE: 38E STATE: NM DF to GL: Chevno: BK8902

Unit Letter: L Spud : 9-4-96

**Proposed Injection Set Up**

| | |
|---|---|
| Date Completed: 10-2-96 | Initial: Production |
| Initial Formation: Dollarhide Tubb-Drinkar | 60 BOPD, 40 MCF, |
| FROM: 6452' TO: 7114' | 179 WTR |

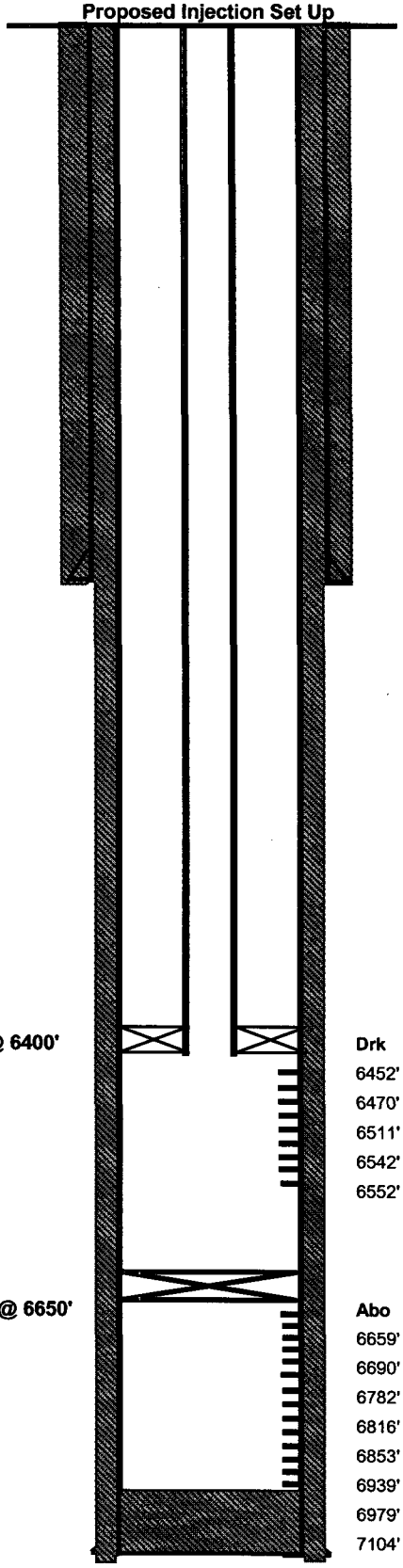
8-5/8" OD, 24#
Set @ 1175' w/525 sx cmt.
TOC @ Surface
11" hole

**Completion data:**

Spud 9-4-96, Completed 10-2-96
6452' - 6554' w/2 JSPF - 76 holes - acdz w/5700 gals 15% NE FE HCL
6659' - 7114' w/2 JSPF - 114 holes - Acdz w/8700 gals
11-12-96 24 hr test, open choke, 60 oil, 40 mcf, 179 wtr, gor 667
2-7/8" tbg set @ 7119'

**Proposed Workover or Reconditioning:**

Set CIBP @ 6650' closing Abo Perfs. Tst. TIH w/sonic hammer tool on tbg & acid wash perfs 6452'-6554' w/4000 gals 15% NWFE HCL. RIH W/Inj. pkr on 2-3/8" IPC injection tubing, Set pkr @ 6400'.



**Proposed**
**Injection Pkr @ 6400'**

5-1/2" OD, 15.5 & 17# csg
Set @ 7200' w/1800 sx cmt.
TOC @ Surface
7-7/8" hole

**Proposed CIBP @ 6650'**

**PBTD @ 6650'**
**TD @ 7200'**

**Drk 11/2/1996**
6452' - 54'; 6458' - 66'
6470' - 74'; 6479' - 85'
6511' - 17'; 6425' - 29'
6542' - 48'
6552' - 54'
76 holes w/2 JSPF
120 degs. Phasing

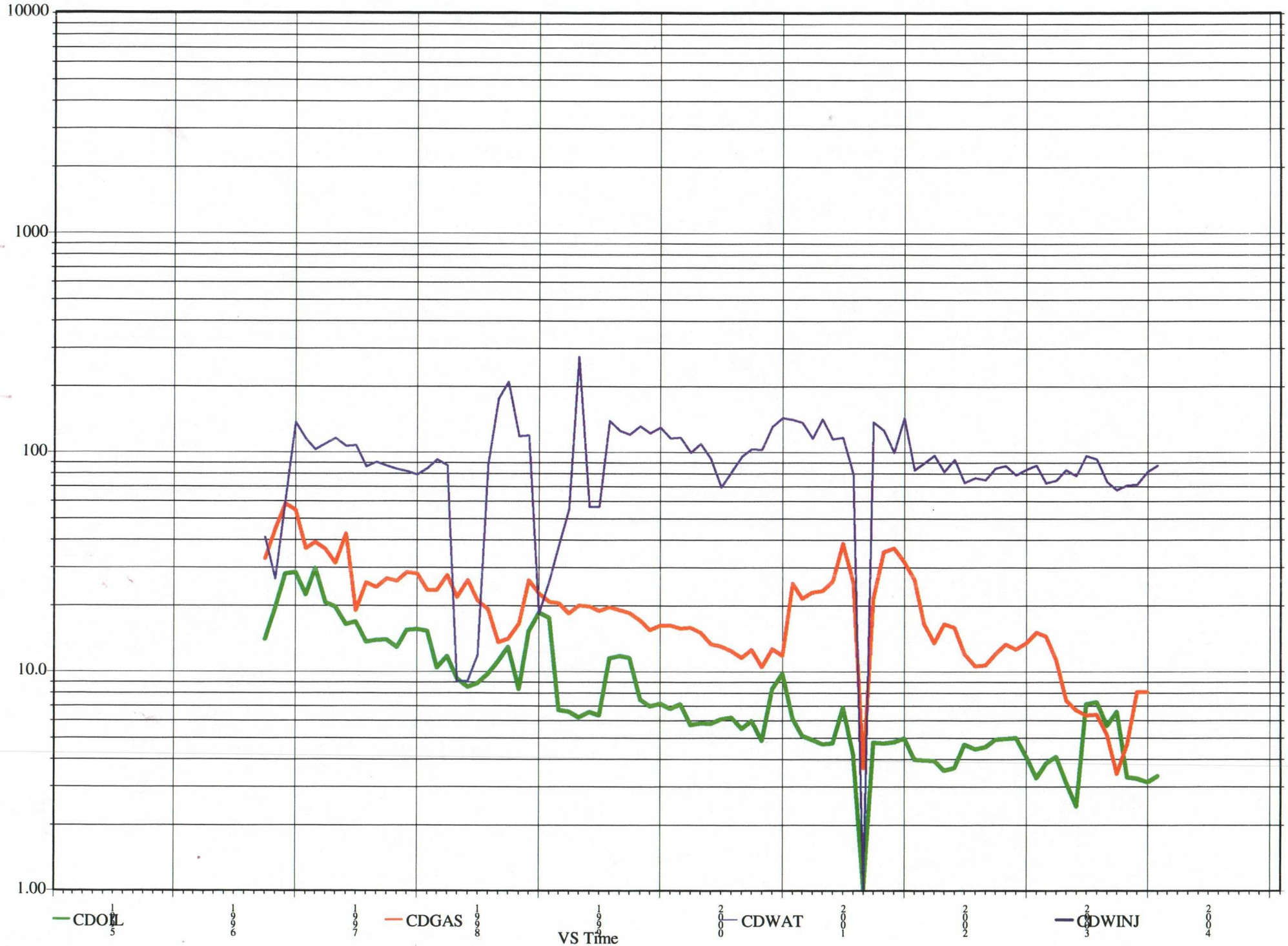
**Abo 9/28/1996**
6659' - 61'; 6683' - 86'
6690' - 98'; 6762' - 66'
6782' - 84'; 6806' - 08'
6816' - 20'; 6846' - 50'
6853' - 56'; 6867' - 69'
6939' - 43'; 6961' - 63'
6979' - 88'; 7010' - 14'
7104' - 07'; 7112' - 14'
114 holes w/2 JSPF

FILE: WDDU156WB.XLS
Chay: 3-3-04

ChevronTexaco, Exploration & Production Co.

[redacted]

Name: WDDU156 ID: BK8920:0:01 Type: PR Format: tglo - WELL



| | WDDU 156 Conversion | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| UWI/API | LABEL | SYM | SURFLAT | SURFLON | TOWNSHIP | RANGE | SECTION | WELL TD | COMP_DATE | SPUD_DATE |
| 30025122950000 | MEXICO J #1 | OIL | 32.16825 | -103.07568 | 24S | 38E | 32 | 10245 | 8/24/1951 | 5/4/1951 |
| 30025122950001 | MEXICO J #1 | OIL | 32.16825 | -103.07568 | 24S | 38E | 32 | 10245 | 1/1/2001 | 1/1/2001 |
| 30025122960000 | MEXICO J #2 | OIL | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 12/28/1951 | 9/10/1951 |
| 30025122960001 | MEXICO J #2 | DRY | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 11/11/1969 | 1/1/1969 |
| 30025122960002 | MEXICO J #2 | OIL | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 4/6/1973 | 1/1/1973 |
| 30025122960003 | MEXICO J #2 | GAS | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 7/24/1990 | 7/12/1990 |
| 30025122970000 | MEXICO J #3 | OIL | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 2/25/1952 | 10/22/1951 |
| 30025122970001 | W DLRHDE DVNN #9 | OIL | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 9/8/1958 | 8/26/1958 |
| 30025122970002 | W DLRHDE DVNN 32 #9 | INJ | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 3/11/1963 | 3/6/1963 |
| 30025122980000 | MEXICO J #4 | OIL | 32.16822 | -103.08426 | 24S | 38E | 32 | 10185 | 5/29/1952 | 1/7/1952 |
| 30025123030000 | WDDU 061 | P&A | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 9/21/1953 | 8/9/1953 |
| 30025123030001 | MEXICO 'J' #9 | OIL | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 11/30/1994 | 11/10/1994 |
| 30025123030002 | MEXICO 'J' #9 | GAS | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 10/30/1996 | 8/12/1996 |
| 30025123040000 | WDDU 062 | P&A | 32.17185 | -103.08425 | 24S | 38E | 32 | 6878 | 9/22/1953 | 8/6/1953 |
| 30025123090000 | WDDU 060 | INJ | 32.17229 | -103.07519 | 24S | 38E | 32 | 6915 | 12/10/1953 | 10/30/1953 |
| 30025123100000 | WDDU 071 | P&A | 32.16866 | -103.0752 | 24S | 38E | 32 | 6900 | 12/9/1953 | 11/3/1953 |
| 30025123110000 | MEXICO J #17 | OIL | 32.168222 | -103.083778 | 24S | 38E | 32 | 8600 | 4/8/1954 | 2/5/1954 |
| 30025123130000 | WDDU 070 | P&A | 32.16782 | -103.08043 | 24S | 38E | 32 | 6900 | 4/22/1954 | 3/9/1954 |
| 30025123140000 | WDDU 069 | INJ | 32.16822 | -103.08474 | 24S | 38E | 32 | 6890 | 5/20/1954 | 4/11/1954 |
| 30025123170000 | WDDU 089 | INJ | 32.16824 | -103.07946 | 24S | 38E | 32 | 8680 | 11/27/1983 | 4/18/1983 |
| 30025123180000 | MEXICO J #24 | OIL | 32.16825 | -103.07461 | 24S | 38E | 32 | 8700 | 7/26/1956 | 5/19/1956 |
| 30025123190000 | STATE Y" #1" | OIL | 32.17542 | -103.07568 | 24S | 38E | 32 | 8935 | 6/20/1952 | 3/10/1952 |
| 30025123210000 | WDDU 042 | SI_INJ | 32.17904 | -103.07567 | 24S | 38E | 32 | 8100 | 2/20/1958 | 1/1/1958 |
| 30025123230000 | STATE Y #5 | OIL | 32.1754 | -103.07994 | 24S | 38E | 32 | 7956 | 5/28/1953 | 3/31/1953 |
| 30025123260000 | WDDU 053 | P&A | 32.17448 | -103.08425 | 24S | 38E | 32 | 6912 | 1/11/1954 | 11/30/1953 |
| 30025123280000 | WDDU 043 | INJ | 32.17903 | -103.07993 | 24S | 38E | 32 | 6950 | 3/4/1954 | 2/16/1954 |
| 30025123290000 | WDDU 055 | P&A | 32.1745 | -103.07567 | 24S | 38E | 32 | 6927 | 5/2/1954 | 3/25/1954 |
| 30025123340000 | WDDU 072 | INJ | 32.16735 | -103.07142 | 24S | 38E | 33 | 6870 | 3/1/1956 | 12/31/1955 |
| 30025123370000 | HARRY LEONARD #7-E | OIL | 32.16825 | -103.07141 | 24S | 38E | 33 | 10310 | 12/27/1951 | 9/2/1951 |
| 30025123370001 | W DLRHDE DVNN #13 | OIL | 32.16825 | -103.07141 | 24S | 38E | 33 | 10310 | 12/3/1954 | 11/30/1954 |
| 30025123370002 | WST DLLRHD DVNN UNT | OIL | 32.16825 | -103.07141 | 24S | 38E | 33 | 10310 | 3/11/1963 | 3/7/1963 |
| 30025123400000 | HARRY LEONARD A #19 | OIL | 32.17098 | -103.07248 | 24S | 38E | 33 | 8780 | 3/16/1953 | 11/2/1952 |
| 30025123400001 | W DLRHDE DVNN #105 | OIL | 32.17098 | -103.07248 | 24S | 38E | 33 | 8780 | 1/1/2001 | 1/1/2001 |
| 30025123410000 | W DLRHDE DVNN #102 | OIL | 32.17542 | -103.0714 | 24S | 38E | 33 | 7990 | 1/28/1953 | 12/9/1952 |
| 30025123460000 | WDDU 059 | P&A | 32.17188 | -103.07141 | 24S | 38E | 33 | 6870 | 9/18/1953 | 8/3/1953 |
| 30025123490000 | WDDU 056 | SIINJ | 32.17451 | -103.07247 | 24S | 38E | 33 | 6900 | 9/7/1954 | 7/25/1954 |
| 30025123800000 | WDDU 076 | P&A | 32.16503 | -103.07617 | 25S | 38E | 5 | 6890 | 4/5/1954 | 2/17/1954 |
| 30025243450000 | W DLRHDE DVNN #118 | OIL | 32.17342 | -103.06895 | 24S | 38E | 33 | 8050 | 4/10/1973 | 3/10/1973 |
| 30025243450001 | WST DLLRHD(DVNN)UNT | OIL | 32.17342 | -103.06895 | 24S | 38E | 33 | 8050 | 11/2/1979 | 9/24/1979 |
| 30025249270000 | W DLRHDE DVNN #WI-11 | INJ | 32.17486 | -103.07499 | 24S | 38E | 32 | 8000 | 5/26/1975 | 2/25/1975 |
| 30025254210000 | MEXICO J #1 | DRY | 32.17095 | -103.08101 | 24S | 38E | 32 | 7967 | 8/12/1977 | 6/28/1977 |
| 30025302290000 | WDDU 093 | OIL | 32.17662 | -103.08186 | 24S | 38E | 32 | 6960 | 10/17/1989 | 8/11/1989 |
| 30025308250000 | WDDU 103 | OIL | 32.1735 | -103.08165 | 24S | 38E | 32 | 6905 | 2/27/1991 | 12/27/1990 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 30025308260000 | WDDU 104 | OIL | 32.17341 | -103.078 | 24S | 38E | 32 | 6955 | 3/12/1991 | 1/31/1991 |
| 30025308270000 | WDDU 105 | OIL | 32.17011 | -103.08622 | 24S | 38E | 32 | 6875 | 4/8/1991 | 3/6/1991 |
| 30025308280000 | WDDU 106 | OIL | 32.17016 | -103.08176 | 24S | 38E | 32 | 6900 | 3/29/1991 | 2/18/1991 |
| 30025308290000 | WDDU 107 | OIL | 32.17037 | -103.07746 | 24S | 38E | 32 | 6901 | 5/2/1991 | 3/21/1991 |
| 30025308300000 | WDDU 108 | OIL | 32.169738 | -103.073046 | 24S | 38E | 33 | 6955 | 5/18/1991 | 4/9/1991 |
| 30025314830000 | WDDU 115 | OIL | 32.1661 | -103.07778 | 25S | 38E | 5 | 7510 | 12/24/1992 | 10/22/1992 |
| 30025314840000 | WDDU 116 | OIL | 32.16626 | -103.07306 | 25S | 38E | 4 | 7580 | 2/26/1993 | 12/29/1992 |
| 30025314870000 | WDDU 120 | SI_INJ | 32.17481 | -103.08346 | 24S | 38E | 32 | 7495 | 8/17/1993 | 7/15/1993 |
| 30025314890000 | WDDU 122 | INJ | 32.17206 | -103.08425 | 24S | 38E | 32 | 7635 | 1/24/1993 | 12/11/1992 |
| 30025314990000 | WDDU 114 | OIL | 32.16612 | -103.08315 | 25S | 38E | 5 | 7440 | 12/17/1992 | 10/5/1992 |
| 30025319730000 | WDDU 126 | OIL | 32.17318 | -103.07306 | 24S | 38E | 33 | 7555 | 8/2/1993 | 6/30/1993 |
| 30025319740000 | WDDU 127 | OIL | 32.17363 | -103.06889 | 24S | 38E | 33 | 7600 | 6/6/1994 | 4/8/1994 |
| 30025319750000 | WDDU 128 | OIL | 32.17726 | -103.07305 | 24S | 38E | 33 | 7625 | 8/28/1993 | 7/15/1993 |
| 30025319950000 | WDDU 131 | INJ | 32.17494 | -103.07629 | 24S | 38E | 32 | 7000 | 6/15/1994 | 5/15/1994 |
| 30025320140000 | WDDU 129 | OIL | 32.17694 | -103.07758 | 24S | 38E | 32 | 7605 | 9/7/1993 | 7/31/1993 |
| 30025320150000 | WDDU 130 | INJ | 32.17534 | -103.07968 | 24S | 38E | 32 | 7575 | 8/28/1993 | 8/7/1993 |
| 30025321620000 | WDDU 140 | INJ | 32.172 | -103.0796 | 24S | 38E | 32 | 7530 | 10/26/1993 | 9/1/1993 |
| 30025323720000 | WDDU 144 | OIL | 32.17027 | -103.07962 | 24S | 38E | 32 | 7477 | 6/15/1994 | 4/27/1994 |
| 30025323730000 | WDDU 145 | OIL | 32.17353 | -103.08399 | 24S | 38E | 32 | 7455 | 5/17/1994 | 3/26/1994 |
| 30025327660000 | WDDU 109 | OIL | 32.17056 | -103.07524 | 24S | 38E | 32 | 7550 | 3/25/1995 | 2/3/1995 |
| 30025327670000 | WDDU 110 | OIL | 32.17365 | -103.07983 | 24S | 38E | 32 | 7575 | 4/17/1995 | 2/8/1995 |
| 30025327680000 | WDDU 111 | OIL | 32.17015 | -103.08401 | 24S | 38E | 32 | 7475 | 3/27/1995 | 2/20/1995 |
| 30025334010000 | WDDU 153 | OIL | 32.1696 | -103.07096 | 24S | 38E | 33 | 7200 | 8/17/1996 | 6/16/1996 |
| 30025334020000 | WDDU 154 | OIL | 32.17351 | -103.07556 | 24S | 38E | 32 | 7200 | 8/8/1996 | 7/1/1996 |
| 30025334030000 | WDDU 155 | OIL | 32.17191 | -103.08178 | 24S | 38E | 32 | 7250 | 8/26/1996 | 7/19/1996 |
| 30025334130000 | WDDU 156 | OIL | 32.17193 | -103.07742 | 24S | 38E | 32 | 7200 | 11/12/1996 | 9/4/1996 |
| 30025314840001 | WDDU 116H | OIL | 32.16626 | -103.07306 | 25S | 38E | 5 | 7730 | 2000 | 2000 |
| 30025308300001 | WDDU 108H | OIL | 32.169738 | -103.073046 | 24S | 38E | 33 | 7557 | 2001 | 2001 |
| 30025308270001 | WDDU 105H | OIL | 32.17011 | -103.08622 | 24S | 38E | 32 | 8535 | 2002 | 2002 |
| 30025314830001 | WDDU 115H | OIL | 32.1661 | -103.07778 | 25S | 38E | 5 | 8364 | 2002 | 2002 |
| 30025314820001 | WDDU 113H | OIL | 32.16678 | -103.08663 | 24S | 38E | 32 | 8218 | 2002 | 2002 |

| UDDW 156 Conversion | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| UWI/API | LABEL | SYM | SURFLAT | SURFLON | TOWNSHIP | RANGE | SECTION | WELL TD | COMP_DATE | SPUD_DATE |
| 30025122950000 | MEXICO J #1 | OIL | 32.16825 | -103.07568 | 24S | 38E | 32 | 10245 | 8/24/1951 | 5/4/1951 |
| 30025122950001 | MEXICO J #1 | OIL | 32.16825 | -103.07568 | 24S | 38E | 32 | 10245 | 1/1/2001 | 1/1/2001 |
| 30025122960000 | MEXICO J #2 | OIL | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 12/28/1951 | 9/10/1951 |
| 30025122960001 | MEXICO J #2 | DRY | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 11/11/1969 | 1/1/1969 |
| 30025122960002 | MEXICO J #2 | OIL | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 4/6/1973 | 1/1/1973 |
| 30025122960003 | MEXICO J #2 | GAS | 32.16824 | -103.07995 | 24S | 38E | 32 | 10300 | 7/24/1990 | 7/12/1990 |
| 30025122970000 | MEXICO J #3 | OIL | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 2/25/1952 | 10/22/1951 |
| 30025122970001 | W DLRHDE DVNN #9 | OIL | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 9/8/1958 | 8/26/1958 |
| 30025122970002 | W DLRHDE DVNN 32 #9 | INJ | 32.17188 | -103.07568 | 24S | 38E | 32 | 10320 | 3/11/1963 | 3/6/1963 |
| 30025122980000 | MEXICO J #4 | OIL | 32.16822 | -103.08426 | 24S | 38E | 32 | 10185 | 5/29/1952 | 1/7/1952 |
| 30025123030000 | WDDU 061 | P&A | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 9/21/1953 | 8/9/1953 |
| 30025123030001 | MEXICO 'J' #9 | OIL | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 11/30/1994 | 11/10/1994 |
| 30025123030002 | MEXICO 'J' #9 | GAS | 32.17186 | -103.07994 | 24S | 38E | 32 | 6902 | 10/30/1996 | 8/12/1996 |
| 30025123040000 | WDDU 062 | P&A | 32.17185 | -103.08425 | 24S | 38E | 32 | 6878 | 9/22/1953 | 8/6/1953 |
| 30025123090000 | WDDU 060 | INJ | 32.17229 | -103.07519 | 24S | 38E | 32 | 6915 | 12/10/1953 | 10/30/1953 |
| 30025123100000 | WDDU 071 | P&A | 32.16866 | -103.0752 | 24S | 38E | 32 | 6900 | 12/9/1953 | 11/3/1953 |
| 30025123110000 | MEXICO J #17 | OIL | 32.168222 | -103.083778 | 24S | 38E | 32 | 8600 | 4/8/1954 | 2/5/1954 |
| 30025123130000 | WDDU 070 | P&A | 32.16782 | -103.08043 | 24S | 38E | 32 | 6900 | 4/22/1954 | 3/9/1954 |
| 30025123140000 | WDDU 069 | INJ | 32.16822 | -103.08474 | 24S | 38E | 32 | 6890 | 5/20/1954 | 4/11/1954 |
| 30025123170000 | WDDU 089 | INJ | 32.16824 | -103.07946 | 24S | 38E | 32 | 8680 | 11/27/1983 | 4/18/1983 |
| 30025123180000 | MEXICO J #24 | OIL | 32.16825 | -103.07461 | 24S | 38E | 32 | 8700 | 7/26/1956 | 5/19/1956 |
| 30025123190000 | STATE Y" #1" | OIL | 32.17542 | -103.07568 | 24S | 38E | 32 | 8935 | 6/20/1952 | 3/10/1952 |
| 30025123210000 | WDDU 042 | SI_INJ | 32.17904 | -103.07567 | 24S | 38E | 32 | 8100 | 2/20/1958 | 1/1/1958 |
| 30025123230000 | STATE Y #5 | OIL | 32.1754 | -103.07994 | 24S | 38E | 32 | 7956 | 5/28/1953 | 3/31/1953 |
| 30025123260000 | WDDU 053 | P&A | 32.17448 | -103.08425 | 24S | 38E | 32 | 6912 | 1/11/1954 | 11/30/1953 |
| 30025123280000 | WDDU 043 | INJ | 32.17903 | -103.07993 | 24S | 38E | 32 | 6950 | 3/4/1954 | 2/16/1954 |
| 30025123290000 | WDDU 055 | P&A | 32.1745 | -103.07567 | 24S | 38E | 32 | 6927 | 5/2/1954 | 3/25/1954 |
| 30025123340000 | WDDU 072 | INJ | 32.16735 | -103.07142 | 24S | 38E | 33 | 6870 | 3/1/1956 | 12/31/1955 |
| 30025123370000 | HARRY LEONARD #7-E | OIL | 32.16825 | -103.07141 | 24S | 38E | 33 | 10310 | 12/27/1951 | 9/2/1951 |
| 30025123370001 | W DLRHDE DVNN #13 | OIL | 32.16825 | -103.07141 | 24S | 38E | 33 | 10310 | 12/3/1954 | 11/30/1954 |
| 30025123370002 | WST DLLRHD DVNN UNT | OIL | 32.16825 | -103.07141 | 24S | 38E | 33 | 10310 | 3/11/1963 | 3/7/1963 |
| 30025123400000 | HARRY LEONARD A #19 | OIL | 32.17098 | -103.07248 | 24S | 38E | 33 | 8780 | 3/16/1953 | 11/2/1952 |
| 30025123400001 | W DLRHDE DVNN #105 | OIL | 32.17098 | -103.07248 | 24S | 38E | 33 | 8780 | 1/1/2001 | 1/1/2001 |
| 30025123410000 | W DLRHDE DVNN #102 | OIL | 32.17542 | -103.0714 | 24S | 38E | 33 | 7990 | 1/28/1953 | 12/9/1952 |
| 30025123460000 | WDDU 059 | P&A | 32.17188 | -103.07141 | 24S | 38E | 33 | 6870 | 9/18/1953 | 8/3/1953 |
| 30025123490000 | WDDU 056 | SIINJ | 32.17451 | -103.07247 | 24S | 38E | 33 | 6900 | 9/7/1954 | 7/25/1954 |
| 30025123800000 | WDDU 076 | P&A | 32.16503 | -103.07617 | 25S | 38E | 5 | 6890 | 4/5/1954 | 2/17/1954 |
| 30025243450000 | W DLRHDE DVNN #118 | OIL | 32.17342 | -103.06895 | 24S | 38E | 33 | 8050 | 4/10/1973 | 3/10/1973 |
| 30025243450001 | WST DLLRHD(DVNN)UNT | OIL | 32.17342 | -103.06895 | 24S | 38E | 33 | 8050 | 11/2/1979 | 9/24/1979 |
| 30025249270000 | W DLRHDE DVNN #WI-11 | INJ | 32.17486 | -103.07499 | 24S | 38E | 32 | 8000 | 5/26/1975 | 2/25/1975 |
| 30025254210000 | MEXICO J #1 | DRY | 32.17095 | -103.08101 | 24S | 38E | 32 | 7967 | 8/12/1977 | 6/28/1977 |
| 30025302290000 | WDDU 093 | OIL | 32.17662 | -103.08186 | 24S | 38E | 32 | 6960 | 10/17/1989 | 8/11/1989 |
| 30025308250000 | WDDU 103 | OIL | 32.1735 | -103.08165 | 24S | 38E | 32 | 6905 | 2/27/1991 | 12/27/1990 |
| 30025308260000 | WDDU 104 | OIL | 32.17341 | -103.078 | 24S | 38E | 32 | 6955 | 3/12/1991 | 1/31/1991 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 30025308270000 | WDDU 105 | OIL | 32.17011 | -103.08622 | 24S | 38E | 32 | 6875 | 4/8/1991 | 3/6/1991 |
| 30025308280000 | WDDU 106 | OIL | 32.17016 | -103.08176 | 24S | 38E | 32 | 6900 | 3/29/1991 | 2/18/1991 |
| 30025308290000 | WDDU 107 | OIL | 32.17037 | -103.07746 | 24S | 38E | 32 | 6901 | 5/2/1991 | 3/21/1991 |
| 30025308300000 | WDDU 108 | OIL | 32.169738 | -103.073046 | 24S | 38E | 33 | 6955 | 5/18/1991 | 4/9/1991 |
| 30025314830000 | WDDU 115 | OIL | 32.1661 | -103.07778 | 25S | 38E | 5 | 7510 | 12/24/1992 | 10/22/1992 |
| 30025314840000 | WDDU 116 | OIL | 32.16626 | -103.07306 | 25S | 38E | 4 | 7580 | 2/26/1993 | 12/29/1992 |
| 30025314870000 | WDDU 120 | SI_INJ | 32.17481 | -103.08346 | 24S | 38E | 32 | 7495 | 8/17/1993 | 7/15/1993 |
| 30025314890000 | WDDU 122 | INJ | 32.17206 | -103.08425 | 24S | 38E | 32 | 7635 | 1/24/1993 | 12/11/1992 |
| 30025314990000 | WDDU 114 | OIL | 32.16612 | -103.08315 | 25S | 38E | 5 | 7440 | 12/17/1992 | 10/5/1992 |
| 30025319730000 | WDDU 126 | OIL | 32.17318 | -103.07306 | 24S | 38E | 33 | 7555 | 8/2/1993 | 6/30/1993 |
| 30025319740000 | WDDU 127 | OIL | 32.17363 | -103.06889 | 24S | 38E | 33 | 7600 | 6/6/1994 | 4/8/1994 |
| 30025319750000 | WDDU 128 | OIL | 32.17726 | -103.07305 | 24S | 38E | 33 | 7625 | 8/28/1993 | 7/15/1993 |
| 30025319950000 | WDDU 131 | INJ | 32.17494 | -103.07629 | 24S | 38E | 32 | 7000 | 6/15/1994 | 5/15/1994 |
| 30025320140000 | WDDU 129 | OIL | 32.17694 | -103.07758 | 24S | 38E | 32 | 7605 | 9/7/1993 | 7/31/1993 |
| 30025320150000 | WDDU 130 | INJ | 32.17534 | -103.07968 | 24S | 38E | 32 | 7575 | 8/28/1993 | 8/7/1993 |
| 30025321620000 | WDDU 140 | INJ | 32.172 | -103.0796 | 24S | 38E | 32 | 7530 | 10/26/1993 | 9/1/1993 |
| 30025323720000 | WDDU 144 | OIL | 32.17027 | -103.07962 | 24S | 38E | 32 | 7477 | 6/15/1994 | 4/27/1994 |
| 30025323730000 | WDDU 145 | OIL | 32.17353 | -103.08399 | 24S | 38E | 32 | 7455 | 5/17/1994 | 3/26/1994 |
| 30025327660000 | WDDU 109 | OIL | 32.17056 | -103.07524 | 24S | 38E | 32 | 7550 | 3/25/1995 | 2/3/1995 |
| 30025327670000 | WDDU 110 | OIL | 32.17365 | -103.07983 | 24S | 38E | 32 | 7575 | 4/17/1995 | 2/8/1995 |
| 30025327680000 | WDDU 111 | OIL | 32.17015 | -103.08401 | 24S | 38E | 32 | 7475 | 3/27/1995 | 2/20/1995 |
| 30025334010000 | WDDU 153 | OIL | 32.1696 | -103.07096 | 24S | 38E | 33 | 7200 | 8/17/1996 | 6/16/1996 |
| 30025334020000 | WDDU 154 | OIL | 32.17351 | -103.07556 | 24S | 38E | 32 | 7200 | 8/8/1996 | 7/1/1996 |
| 30025334030000 | WDDU 155 | OIL | 32.17191 | -103.08178 | 24S | 38E | 32 | 7250 | 8/26/1996 | 7/19/1996 |
| 30025334130000 | WDDU 156 | OIL | 32.17193 | -103.07742 | 24S | 38E | 32 | 7200 | 11/12/1996 | 9/4/1996 |
| 30025314840001 | WDDU 116H | OIL | 32.16626 | -103.07306 | 25S | 38E | 5 | 7730 | 2000 | 2000 |
| 30025308300001 | WDDU 108H | OIL | 32.169738 | -103.073046 | 24S | 38E | 33 | 7557 | 2001 | 2001 |
| 30025308270001 | WDDU 105H | OIL | 32.17011 | -103.08622 | 24S | 38E | 32 | 8535 | 2002 | 2002 |
| 30025314830001 | WDDU 115H | OIL | 32.1661 | -103.07778 | 25S | 38E | 5 | 8364 | 2002 | 2002 |
| 30025314820001 | WDDU 113H | OIL | 32.16678 | -103.08663 | 24S | 38E | 32 | 8218 | 2002 | 2002 |

**Texaco Exploration & Production Co.**
**J. Denise Wann**
Technical Team Leader
15 Smith Road
Midland, Texas 79705
Office 432-687-7380
wannjd@chevrontexaco.com

**ChevronTexaco**

March 9, 2004

**WEST DOLLARHIDE DRINKARD UNIT**
**DOLLARHIDE TUBB DRINKARD POOL**
**LEA COUNTY, NEW MEXICO**

Attention: Offset Operator

ChevronTexaco Exploration and Production Co., as operator of the West Dollarhide Drinkard Unit, has filed an application with the New Mexico Oil Conservation Division to convert the WDDU # 105H, 108H, 155, & 156, to injection. The conversion is designed to improve recovery efficiency of the Waterflood patterns and enhance production of the WDDU secondary recovery project.

Attached is an OCD Form C-108 with information relative to the water injection conversion of the referenced well. Also, a copy of the legal notice to be posted in the Hobbs News-Sun is included. If additional information is required, please contact me at (432) 687-7380

Sincerely,

Denise Wann

J. Denise Wann
Petroleum Engineer
New Mexico Waterfloods

Attachments

**West Dollarhide Drinkard Unit**
**#105H**, 1317' FSL & 1373' FWL. Unit Letter 'K', Sec. 32, T24S, R38E; NMPM, Lea County, New Mexico.

**#108H**, 1201' FSL & 156' FWL, Unit Letter 'M', Sec. 33, T24S, R38E; NMPM, Lea County, New Mexico.

**#155**, 2000' FSL & 2550' FEL, Unit Letter 'J', Sec. 32, T24S, R38E; NMPM, Lea County, New Mexico.

**#156**, 2000' FSL & 1200' FWL, Unit Letter 'L', Sec. 32, T24S, R38E; NMPM, Lea County, New Mexico.

**Offset Operators**

**Bargo Energy Company**
**1331 Lamar Street**
**Suite 1455**
**Houston, TX 77010-3025**

**Pure Resources**
**500 W. Illinois Ave**
**Suite 100**
**Midland, TX 79701-4337**

**Legal Notice**
**(3/9/04)**

ChevronTexaco Exploration & Production Co. has applied to the Oil Conservation Division of the State of New Mexico for approval to convert the WDDU # 105H, 108H, 155 & 156 to injection in the West Dollarhide Drinkard Unit. This conversion to injection is designed to improve recovery efficiency of the Waterflood patterns and enhance production of the WDDU secondary recovery project. The wells are located: **#105H**, 1317' FSL & 1373' FWL. Unit Letter 'K', Sec. 32, T24S, R38E; **#108H**, 1201' FSL & 156' FWL, Unit Letter 'M', Sec. 33, T24S, R38E; **#155**, 2000' FSL & 2550' FEL, Unit Letter 'J', Sec. 32, T24S, R38E; **#156**, 2000' FSL & 1200' FWL, Unit Letter 'L', Sec. 32, T24S, R38E; NMPM, Lea County, New Mexico.
Water will be injected into the unitized interval of the West Dollarhide Drinkard Pool. Injection will be at an expected maximum rate of 3,000 barrels of water per day and an expected maximum pressure of 1300 pounds per square inch. Persons wanting to contact ChevronTexaco should direct their inquiries to J. Denise Wann, ChevronTexaco Exploration & Production Co., 15 Smith Road, Midland, TX 79705, telephone (432) 687-7380.

Interested Parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, NM 87505, within 15 days of this notice.

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a 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

March 13 2004

and ending with the issue dated

March 13 2004

Kathi Bearden

Publisher

Sworn and subscribed to before me this 15th day of

March 2004

Joyce M. Stevens

Notary Public.

My Commission expires
November 27, 2004
(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**
**March 13, 2004**

ChevronTexaco Exploration & Production Co. has applied to the Oil Conservation Division of the State of New Mexico for approval to convert the WDDU # 105H, 108H, 155 & 156 to injection in the West Dollarhide Drinkard Unit. This conversion to injection is designed to improve recovery efficiency of the Waterflood patterns and enhance production of the WDDU secondary recovery project. The wells are located: **#105H**, 1317' FSL & 1373' FWL, Unit Letter 'K', Sec. 32, T24S, R38E; **#108H**, 1201' FSL & 156' FWL, Unit Letter 'M', Sec. 33, T24S, R38E; **#155**, 2000' FSL & 2550' FEL, Unit Letter 'J', Sec. 32, T24S, R38E; **#156**, 2000' FSL & 1200' FWL, Unit Letter 'L', Sec. 32, T24S, R38E; NMPM, Lea County, New Mexico.

Water will be injected into the unitized interval of the West Dollarhide Drinkard Pool. Injection will be at an expected maximum rate of 3,000 barrels of water per day and an expected maximum pressure of 1300 pounds per square inch. Persons wanting to contact CheveronTexaco should direct their inquires to J. Denise Wann, CheveronTexaco Exploration & Production Co., 15 Smith Road, Midland, TX 79705, telephone (432) 687-7380.

Interested Parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, NM 87505, within 15 days of this notice.
#20499

01102480000 02569094

Chevron Texaco
15 Smith Road
MIDLAND, TX 79705

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a 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

March 13 2004

and ending with the issue dated

March 13 2004

Kathi Bearden

Publisher

Sworn and subscribed to before me this 15th day of

March 2004

Janet M. Stevens

Notary Public.

My Commission expires
November 27, 2004
(Seal)

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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.

01102480000 02569094

Chevron Texaco
15 Smith Road
MIDLAND, TX 79705

Texaco Exploration & Production Co.
J. Denise Wann
Technical Team Leader
15 Smith Road
Midland, Texas 79705
Office 432-687-7380
wannjd@chevrontexaco.com

**ChevronTexaco**

May 03, 2004

West Dollarhide Drinkard Unit
Convert to Injection
WDDU # 105H, 108H, 155 & 156

Working Interest Owners:

ChevronTexaco Exploration & Production Company, a division of Chevron U.S.A., Inc., proposes the conversion of the West Dollarhide Drinkard Unit (WDDU) Wells # 105H, 108H, from producing horizontal to horizontal injector, and the WDDU # 155, and #156 from producing oil wells to injectors.

The WDDU # 114H was converted from dual horizontal to an injector, and the response and flattening of the decline we are seeing in wells # 88, # 113, # 115, and # 149 is very encouraging. The NM Waterflood is now recommending the conversion of wells # 105H, # 108H, # 155, & # 156 to provide injection support to the line of producers, # 111, #106, # 144, # 107, and the line # 145, # 103, # 110, # 104, and # 154. A map of the WDDU is included with the attachments and illustrates the line drive we are establishing.

All of these horizontals are intersecting the primary pay in the WDDU. This ideal placement and low cost associated with converting these wells will give us an excellent opportunity to provide injection and pressure support in the West Dollarhide Drinkard Unit.

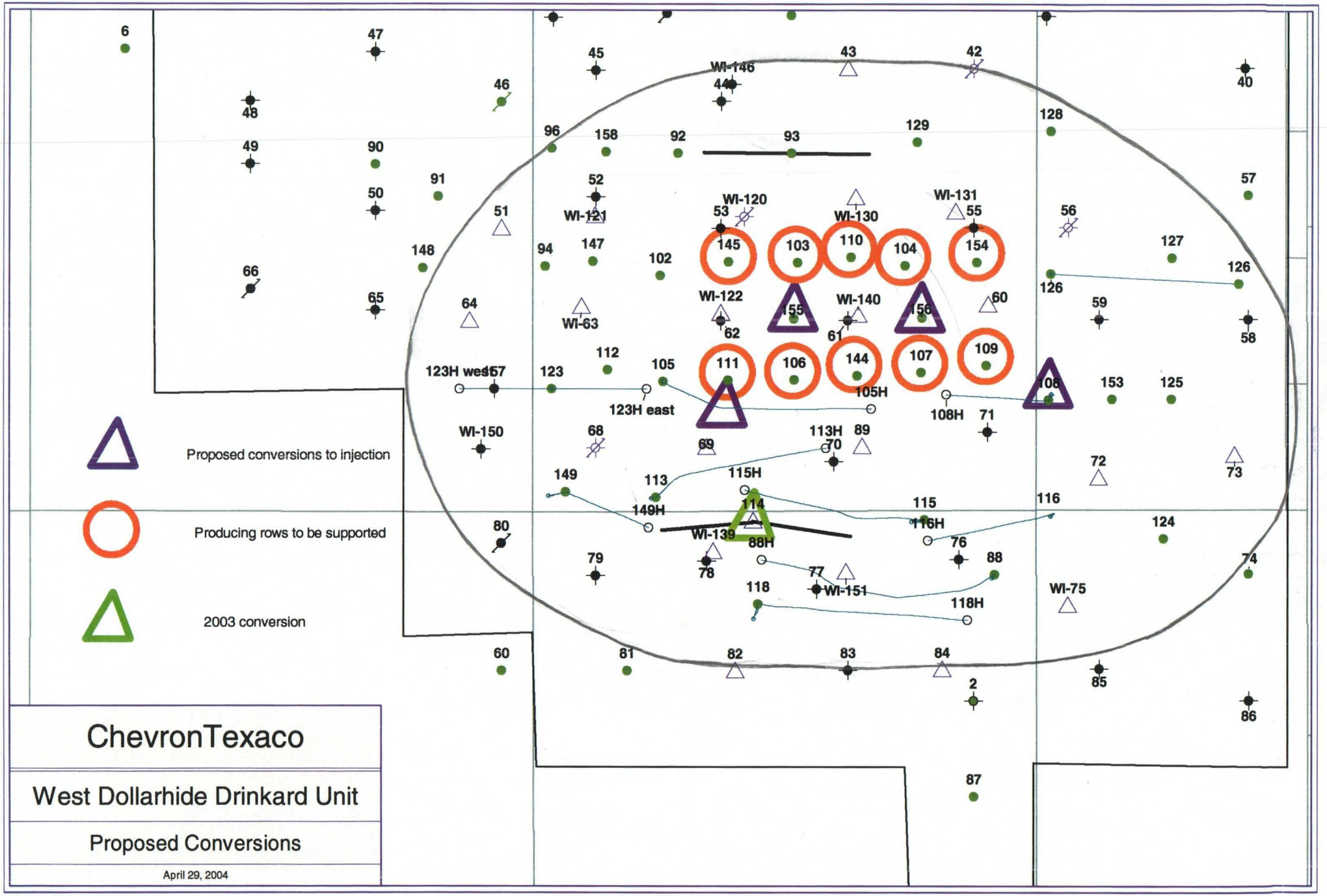
The attached 'Request for Appropriation Partners' approval form, is enclosed for your approval. Please indicate your approval by signing and returning it to ChevronTexaco, Exploration & Production Company; 15 Smith Road; Midland, TX 79705; attention: Alan Fleming.

If you have any questions, please call Laura Baldwin (geologist) at (432) 687-7405 or Denise Wann (team supervisor and engineer) at (432) 687-7380. Thanks in advance for your prompt attention to this matter.

Sincerely,

Denise Wann

Denise Wann
Technical Team Leader
New Mexico Area Waterflood

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# WELL DATA SHEET

LEASE: West Dollarhide Devonian WELL: 102

LOC: 1980' F N L & 660' F W L SEC: 33
TOWNSHIP: 24S CNTY: Lea
RANGE: 38E UNIT: ST: N.M.
**Operator: ARCH Petroleum**

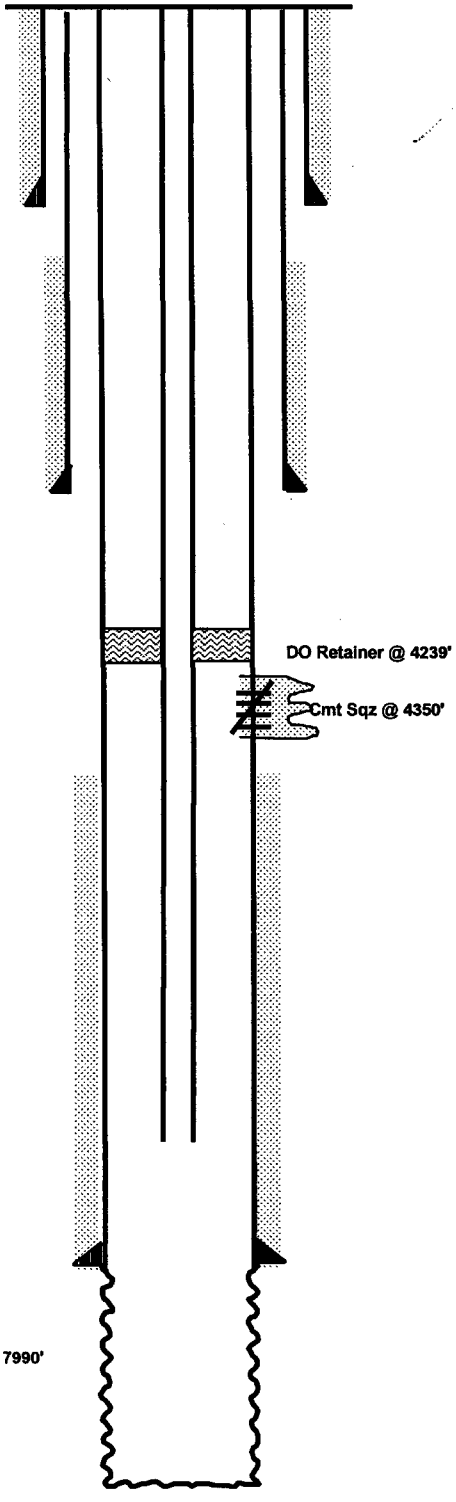
FORM: **Devonian** DATE: 4/5/2004
State Lease # B-1732
GL: 3188' STATUS: Aug-94 hole farmed out
KB: API NO: 30-025-12341
DF: CHEVNO:

Spud: **12/9/1952**
Date Completed: **1/28/1953**
Initial Production: **64 oil in 3 hrs.**
Initial Formation: **Dollarhide- West Devonian**
FROM: **7797' to 7990'**

13-3/8" OD
42# Csg
Set @ 279' W/ 325 SX
Cmt circ.? Yes
TOC @ Surface
17-1/4"

9-5/8" OD
26# CSG
Set @ 2899' W/ 325 SX
Cmt circ.? No
TOC @ 538' by TS
12-1/4" hole

7" OD
23 & 26# CSG
Set @ 7797' W/ 420 SX
Cmt circ.? No
TOC @ 4750' by TS
8-3/4" hole




PBTD: 7986'
TD: 7990'

## Completion Data

## Subsequent Workover or Reconditioning:

Well name changed from Harry Leonard "A" # 21, to Harry Leonard "G" # 28, 10-7-54, then changed to Harry Leonard "G" # 8. Then to WD Dev Unit # 102.

**8-17-59** Acdz OH 7884'-7990' dn 2-3/8" tbg w/2000 gals 15% NE acid.
**7-12-65** Name change to WD Dev Unit # 102.
**12-7-76** Perf 7" csg @ 4350' w/4 - 1/2" JHPF. Set Retainer @ 4239', cmt w1400 sx Cl C cmt. Sqz into form. TOC @ 2900' by TS. DO retainer, tst, RTP.
**12-9-86** Swedge out tight csg @ 4013' to 4020'. Run 5-1/2" csg, set @ 7613', cmt w/450 sx Cl 'C'. Circ 94 sx to surf. DO cmt & loat equip. RTP.
**8-27-95** CO fill in OH, from 7963' -7986'. Acdz w/5000 gals 15% HCL. Ins. tbg & Sub pmp equip. RTP 8-31-95.

**Additional Data:**
T/Yates @ 2805'
T/Tubb @ 6210'
T/Devonian @ 7790'

printed: 4/20/2004

Created by: chay 4-5-04

# WELL DATA SHEET

LEASE: West Dollarhide Devonian Unit WELL: 104

LOC: 1980' F S L & 660' F E L SEC: 32

TOWNSHIP: 24S CNTY: Lea

RANGE: 38E UNIT: I ST: N.M.

**Operator: ARCH Petroleum**

Formerly: Shell Oil Co's; 'Mexico "J" # 3

FORM: Devonian DATE: 4/9/2004

State Lease # B-1732

GL: STATUS: Active Oil Well

KB: API NO: 30-025-12297

DF: 3192' CHEVNO: FA3236

Spud: 10/22/1951

Date Completed: 2/26/1952

Initial Production: 1996 Oil

Initial Formation: Dollarhide Fusselman

FROM: 8710' to 8744'

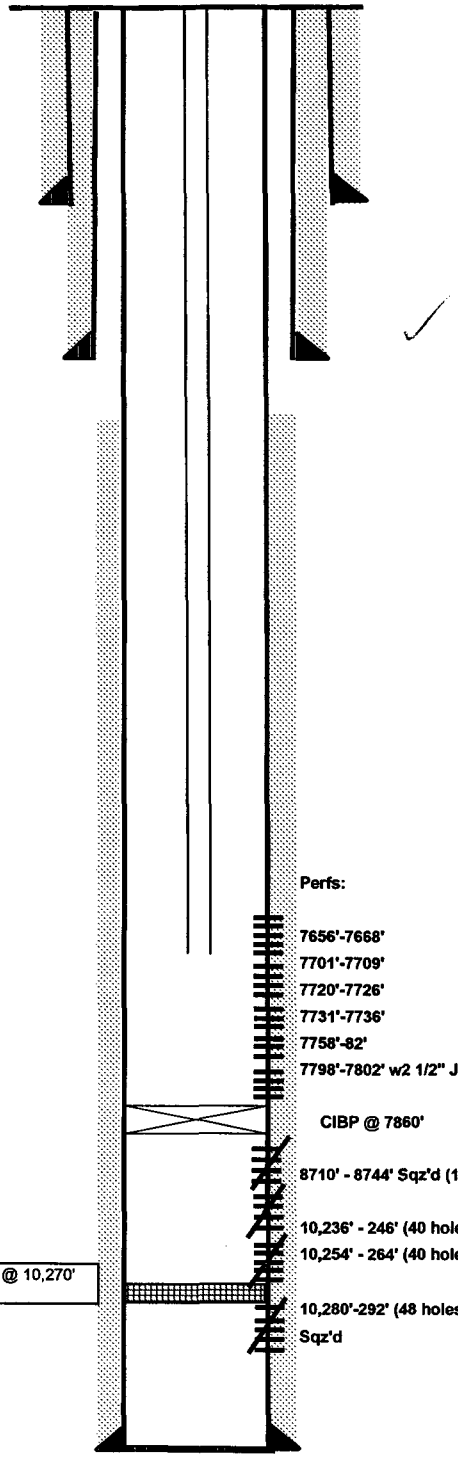
## Completion Data

PERFS: 8710'-8744'; 10,280' - 10,292' 48 holes; 10,236' - 246' 40 holes; 10,254' - 264' 40 holes. Acdz thru perfs w/500 gals mud acid.

## Subsequent Workover or Reconditioning:

**2-26-58** Sqz perfs 8710'-8744 w/100 sx cmt. Set CIBP @ 7800', Perf 5-1/2" csg w/4 JHPF @ 7656'-7668'; 7701'-7709'; 7720'-7726'; & 7731'-7736'. Acdz new perfs w/500 gals Mud acid, and w/7000 gals acid-pertofrac.
**3-6-63** Perf 5-1/2" csg w/2; 1/2" JHPF, @ 7758'-82'; 7798'-7802'. Acdz w/2000 gals 15% NE. Opened lower Devonian pay.
**6-9-70** DO CIBP @ 7800'. Moved DH to 7950' Set BP @ 7875' w/2 sx cmt on top. PBTD @ 7860'. Perf 7798'-7808' w/2 .45" JHPF. Acdz dwn tbg w/4,400 gals 15% NE, w/16 RCN ball sealers. RTP. Devonian Pool.
**7-1-85** Name changed to West Dollarhide Devonian # 104.
**10-26-88** Acdz perfs 7656' to 7808' w/4000 gals 15% NEFE.

**Additional Data:**
T/Yates @ 2698'
T/Tubb @ 6068'
T/Devonian @ 7654'
T/Ellenburger @ 10,274'




13-3/8" OD
44.5# CSG
Set @ 300 W/ 300 SX
Cmt circ.? Yes
TOC @ Surf by Circ
18"

9-5/8" OD
36# CSG
Set @ 3055' W/ 1800 SX
Cmt circ.? Yes
TOC @ Surf by Circ
12-1/4"" hole

5-1/2" OD
17# CSG
Set @ 10,320' W/ 1570 SX
Cmt circ.? No
TOC @ 3315' by TS
7-7/8" hole

PBTD: 7860'
TD: 10320

Created by: chay 4-9-04

printed: 4/9/2004

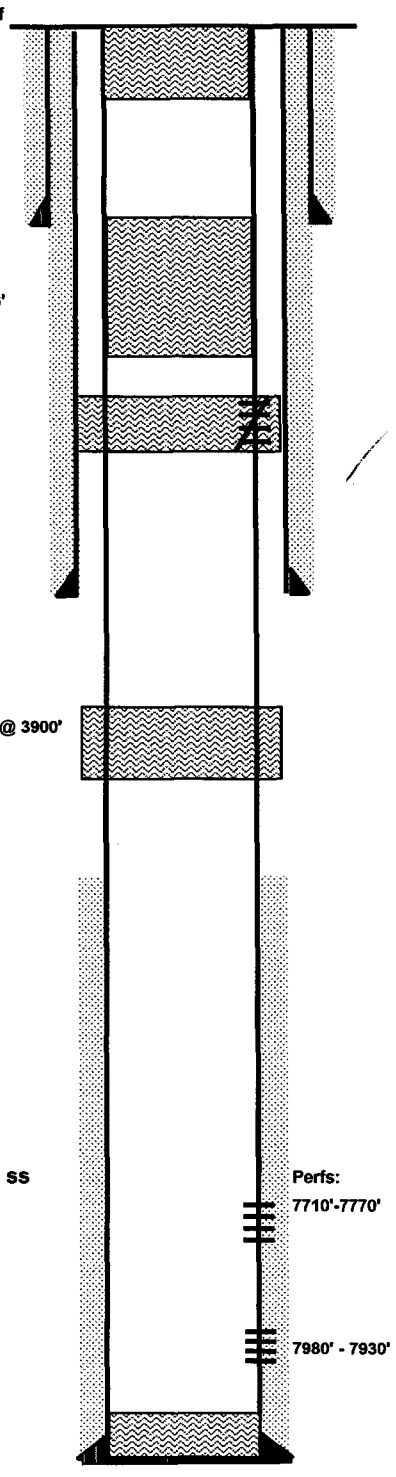
# WELL DATA SHEET

LEASE: West Dollarhide Devonian Unit  WELL: 106

LOC: 1980' F S L & 781' F E L  SEC: 33
TOWNSHIP: 24S  CNTY: Lea
RANGE: 38E  UNIT: K  ST: N.M.
**Operator: ARCH Petroleum**

FORM: **Devonian**  DATE: 4/5/2004
State Lease # 28197
GL: 3173'  STATUS:
KB:  API NO: 30-025-123380
DF:  CHEVNO:

| | |
|---|---|
| Spud: | **4/14/1952** |
| Date Completed: | **6/17/1952** |
| Initial Production: | **352 Oil** |
| Initial Formation: | **Dollarhide Devonian** |
| FROM: | **7710' to 7980'** |




13-3/8" OD
54.5# Csg
Set @ 301' W/ 325 SX
Cmt circ.? Yes
TOC @ Surf by Circ
17-1/2"

9-5/8" OD
36# CSG
Set @ 2904' W/ 1700 SX
Cmt circ.? Yes
TOC @ Surf by Circ
12-1/4" hole

7" OD
23 & 26# CSG N-80, S-95, & J-55 ss
Set @ 8024' W/ 400 SX
Cmt circ.? No
TOC @ 5700' by TS
8-3/4" hole

## Completion Data

6-13-52 Perf 7" csg w/4 - 1/2" SPF, from 7980' to 7930' & 7710' to 7770'.
6-16-52 Acdz w/2000 gals 15% NE, thru 2-3/8" tbg w/ perfs in anchor @ 7980'-7978'.

## Subsequent Workover or Reconditioning:

Orig Name: Harry Leonard "A" # 11, to Harry Lenoard 'G' # 3, to WD Dev Unit # 106.

**8-22-73** Set Cl cmt retainer @ 3900'. Sqz w/1000 sx Cl C cmt. TOC @ 1115' / outside 7" csg by TS. Spot cmt plug from 50' to surf. Install Dry hole marker, P&A'd 8-19-73.
**4-13-77** Remove dry hole marker. DO 50' cmt plug. CO to 1120', perf 7" csg @ 1050' w/5; 1/2" circ holes. Set cmt retainer @ 956' & cmt w/275 sxs Cl C & circ cmt to surf. Spot 4 bbls cmt on top of retainer. Spotted 60' cmt plug from 60' to surf/ Install dry hole marker.

**Additional Data:**
T/Yates @2780 '
T/Tubb @ 6170'
T/Devonian @ 7770'

PBTD: 7995'
TD: 8025'

printed: 4/6/2004

Created by: chay 4-5-04

# WELL DATA SHEET

LEASE: West Dollarhide Devonian Unit  WELL: 107

LOC: 660' F S L & 781' F E L  SEC: 33

TOWNSHIP: 24S  CNTY: Lea

RANGE: 38E  UNIT: N  ST: N.M.

Operator: ARCH Petroleum

FORM: Devonian  DATE: 4/6/2004

State Lease # B-1732

GL: 3160'  STATUS: Inactive WIW

KB:  API NO: 30-025-12339

DF:  CHEVNO:

Spud: 8/17/1952

Date Completed: 10/20/1952

Initial Production: 132 bbls oil

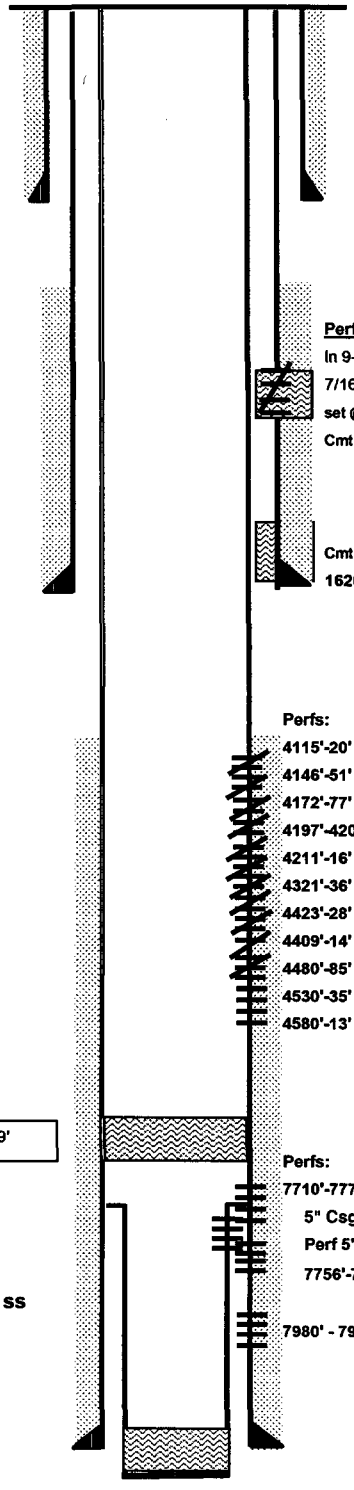
Initial Formation: Dollarhide Devonian

FROM: 7740' to 7965'

13-3/8" OD
48# Csg
Set @ 305' W/ 330 SX
Cmt circ.? Yes
TOC @ Surf by Circ
17-1/2"

9-5/8" OD
36# CSG J-55 SS
Set @ 2899' W/ 1100 SX
Cmt circ.? Yes
TOC @ 1420' by TS
12-1/4" hole

7" OD
23 & 26# CSG N-80, S-95, & J-55 ss
Set @ 7750' W/ 275 SX
Cmt circ.? No
TOC @ ____ by ____
8-3/4" hole




## Completion Data

Acdz thru tbgw/2000 gals 15% NE, Acdz thru tbg w/8000 gals 15% NE & Acdz w/12,000 gals 15% NE thru 2-3/8" tbg.

## Subsequent Workover or Reconditioning:

Orig Name: Harry Leonard "A" # 16, to Harry Leonard G # 16 to WD Dev33-14, to WD Dev Unit # 107.

**6-6-63** Started injection water, avg inj rate 1,000 BBLS per day @ 1000# pressure, injecting intervals 7894'-7934'.
**8-6-64** Tst SA as possible injection water source.
Set BP @ 5310', cap w/1-3/4 sx cmt. Perf 7" sag @ 5295' w/2-1/2" JHPF. 4530'-35'; 4580'-13'; 4480'-85'; 4423'-28'; 4409'-14'; 4321'-36'; 4211'-16'; 4197'-4202'; 4172'-77'; 4146'-51'; 4115'-20'; w/2 1/2" JHPF. Acdz w/5000 gals 15% NE. Drop 20 7/8" NCRB sealers, acdz w/5000 gals, swab. Set retnr @ 4091'. Sqz perfs 4115'-4530' w/200 sx cmt. Run inj. tbg & pkr.
**5-4-67** Well SI. Inability to take wtr at available inj pressure. Wellbore CO to 7930', Wtr Inj resumed 4-23-67.
**3-13-73** Perf 5" csg liner w/2; 1/2" JHPF @ 7756'-7776'. Trt w/2,000 gals 15% NE. Set pkr @ 7632' w/10,000# tension. Resume injecting wtr.
**2-25-76** Pull inj. equip. Perf 5" ln & 7" csg w/4; 1/2" JHPF @ 7743' to 7749'. Run single string dual inj. equip on tbg. Set 5" bkr lok-set pkr @ 7829' & 7" Bkr F-4 pkr @ 7597', resume injectin wtr.
**12-14-78** Pull prod equip. Ran bit & scraper, CO to 7936' PB. POH w/bit & scrapper. Ran 2-3/8" tbg, Tst, Set Pkr @ 7596', Pmp 2500 gals 15% NE, Tst, RTI.
**10-5-84** CO to 7936', Acdz w/8000 gals 15% NE.
**9-24-87** CO fill from 7846' - 7936'. Acdz perfs 7743'-7934' w/4500 gals NE HCL. Set pkr @ 7595'.
**10-4-00** POH w/tbg string & pkr. Set CIBP @ 7639'. Well is TA'd.

**Additional Data:**
T/Yates @ 2730'
T/Tubb @ 6140'
T/Devonian @ 7740'

Created by: chay 4-6-04

printed: 4/7/2004

PBTD: 7936'

TD: 7965'

# WELL DATA SHEET

LEASE: West Dollarhide Devonian Unit  WELL: 108

LOC: 660' F S L & 660' F W L  SEC: 33

TOWNSHIP: 24S  CNTY: Lea

RANGE: 38E  UNIT: K  ST: N.M.

**Formerly: Harry Leonard A # 7**

FORM: Devonian  DATE: 4/21/2004

State Lease #

GL: 3,177'  STATUS: Active Oil Well

KB:  API NO: 30-025-12337

DF:  CHEVNO:

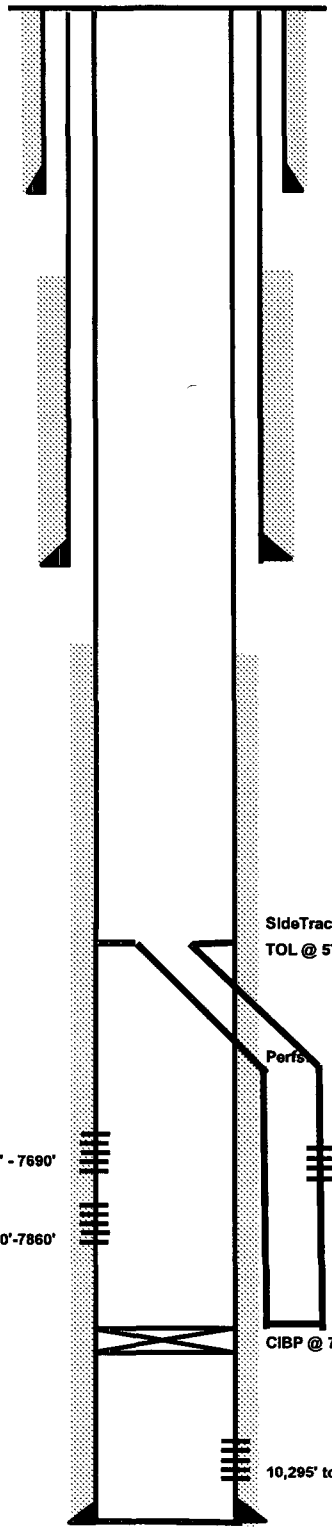
**Spud:** 9/2/1951

**Date Completed:** 12/27/1951

**Initial Production:** 1952 bbls

**Initial Formation:** Dollarhide Ellenburger

**FROM:** 10,255' to 10,303'




## Completion Data

Perf 7" csg w/2, 1/2" JHPF, @ 8760'. Acdz w/2,500 gals in two stages. Rec. 488 bbls oil in 6 hrs.

## Subsequent Workover or Reconditioning:

**12-3-54** Set CIBP @ 7950'. Dmp 2 sx cmt on top of plug. TOC @ 7941'. Perf 7" csg from 7650'-7690' w/4, 1/2" JHPF. Acdz w/2000 gals 15% NE. 3-7-63 Perf 7" csg 7810'-60', w/2, 1/2" JHPF. Acdz w/2000 gals.
**4-28-71** Uneconomical well. TA'd.
**11-1-85** RIH w/6" bit & CO to 7941' (PBTD). Acdz w/750 gals, 15% NE. Install Pmp, RTP.
**1-24 thru 3-25-89** Tbg stuck @ 7514', Fish, Mill, latch, & fish came free. Sinker bar plugged above jars @ 5798'. Shot 4, 1/2" holes in tbg 15' abive DC. Shot 4, 1/2" holes @ 4016'-19'. no circ. Mill cable @ 6505'. Set CICR @ 6353', tst, tag retainer @ 6356'. Tst, Pmp 500 sx cmt, saw no sqz pressure. Reverse out 1 BBL cmt. RD, Clean location.
**4-7 thru 5-7-89 Sidetrack, Run liner, perf, & acdz.** Mill f/6138' - 6200'. Cmt w/125 sx. Drl cmt. Drl new side track from 7945' to 6100'. RIH w/4-1/2" Ln, TOL @ 5775', BOL @ 7950'. Pmp 350 sx cmt, drl mt from/ 5304'-5775'. Drl & CO to 7861', Perf Devonian w/3-3/8" guns, 2 JHPF, 180 deg, PH, 7654'-79' & 691'-97'. Set Pkr @ 7604'. Acdz w/4000 gals 15% NE. RIH w/2-3/8" tbg to 7732'. TAC @ 7522'. Rls Rig.

**Additional Data:**
T/Yates @ 2720'
T/Tubb @ 6050'
T/Devonian @ 7640'
Ellenburger @ 10,250'

printed: 4/23/2004

**PBTD:** 7941'

**TD:** 10, 310'

Created by: chay 4-21-04

# WELL DATA SHEET

LEASE: West Dollarhide Devonian Unit WELL: 110

LOC: 666' F N L & 1780' F E L SEC: 5

TOWNSHIP: 25S CNTY: Lea

RANGE: 38E UNIT: B ST: N.M.

**Operator: ARCH Petroleum**

**Formerly: Mexico "L" #22**

FORM: **Devonian** DATE: 4/8/2004

State Lease # 46384

GL: STATUS: Inactive Oil & Inj. Well

KB: API NO: 30-025-12386

DF: 3175' CHEVNO: FB3323

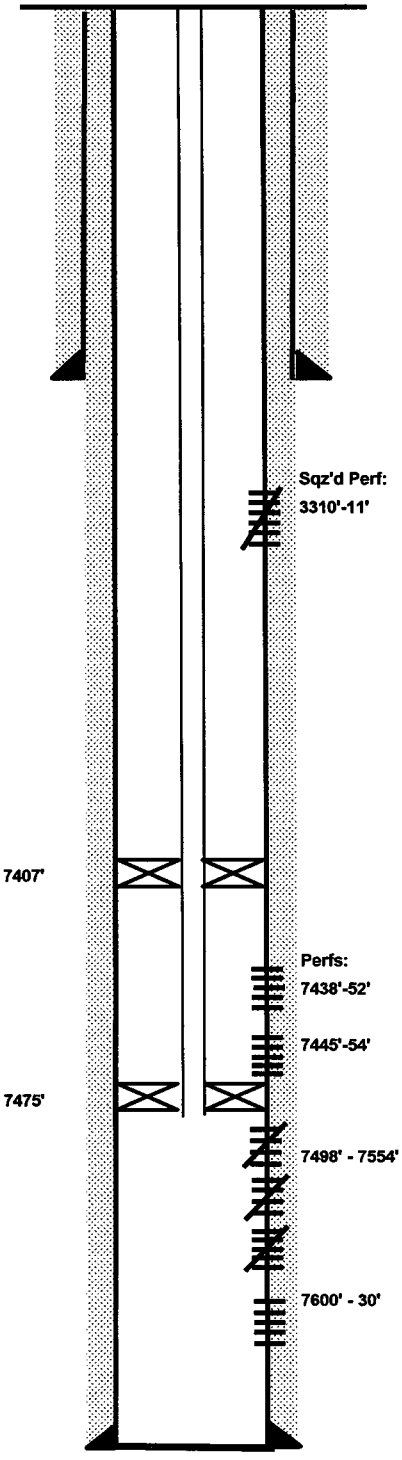
**Spud:** 2/9/1955

**Date Completed:** 3/22/1955

**Initial Production:** 147 Oil

**Initial Formation:** Dollarhide Devonian

**FROM:** 7600' to 7630'




8-5/8" OD
32# CSG K-55 ST&C
Set @ 3150' W/ 2000 SX
Cmt circ.? Yes
TOC @ Surf by Circ
11" hole

5-1/2" OD
14 & 17# CSG
Set @ 7666' W/ 700 SX
Cmt circ.? No
TOC @ 3404' by TS
7-7/8" hole

## Completion Data

Perf: 7600'-7630'; Acdz w/9500 gals acid.

## Subsequent Workover or Reconditioning:

**Started Injecting 5-5-64**
**3-30-71** Conv to Prod. Sqz 5-1/2" csg perfs @ 7498' to 7554' w/600 sxs cmt. CO to 7660' w/4-3/4" bit. Tst OK. Trt old perfs, 7600' to 7630' w/1000 plus 3000 gals 15% NE. Set 2-7/8" tbg @7603'. Ran rods & pmp, RTP.
**9-21-72** Perf 5-1/2" csg, w2, 1/2" JHPF, 7438'-7452'. BP @ 7500', Trt perfs w/2000 gals 15% NE acid.
**10-12-72** Perf 5-1/2" csg w/2, 1/2" JHPF @ 7445'-54'. Trt w/2000 gals 15% NE. Ran Guiberson Tbg Anchor on 2-7/8" tbg. Set tbg @ 7456' w/9000# tension. Ran rods & pmp, RTP.
**12-20-72** Covert to WI Service. Pull Prod Equip, retrive BP @ 7480', Set pkr @ 7578', start Injecting wtr into pervs 7600' to 7630', 12-13-72.
**2-25-76** Pull Inj equip. Perf 5-1/2" csg @ 3310'-11'. Sqz w/800 sxs cmt. Cmt did not circ out 5-1/2" - 8-5/8" annulus. CO & tst, 5-1/2" csg w/1525# for 30 mins. OK. Ran Single String dual inj equip. Set Bk Loc-set pkr @ 7475', & Bkr F-4 pkr @ 7407', Resume injecting wtr.
**9-30-87** CO fill from 7362' to 7658'. Acdz perfs 7444' to 7630' w/4500 gals 15% NE, tst. Rtn to Injection.
**1-2-04** Well TA'd.

**Additional Data:**
T/Yates @ 2635'
T/Tubb @ 5962'
T/Devonian @ 7437'

printed: 4/9/2004

**PBTD:** 7660'
**TD:** 7666'

Created by: chay 4-8-04

# WELL DATA SHEET

LEASE: West Dollarhide Devonian WELL: 112

LOC: 660' F N L & 330' F W L SEC: 4

TOWNSHIP: 25S CNTY: Lea

RANGE: 38E UNIT: ST: N.M.

(formerly: Gulf Oil - Harry Leonard # 9-E)

Current Operator: Arch Petroleum

FORM: Devonian DATE: 3/30/2004

GL: 3170' STATUS: Active Injector

KB: API NO: 30-025-12356

DF: CHEVNO: NA

Spud: 1/16/1952

Date Completed: 5/13/1952

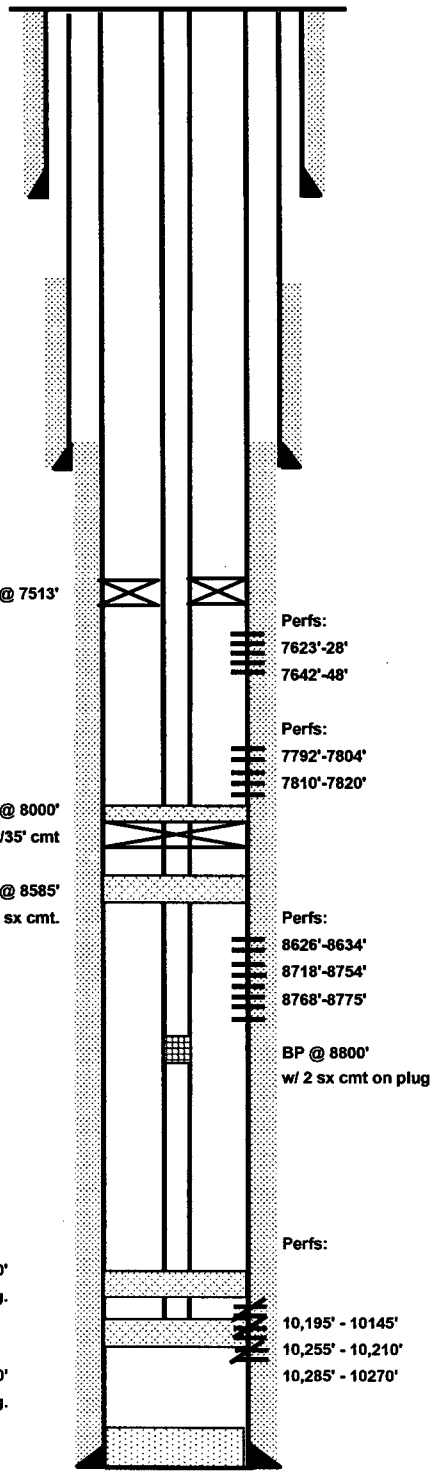
Initial Production: 892 BOPD

Initial Formation: Dollarhide-Ellenberger

FROM: 10,135' to 10,300'

13-3/8" OD
54.50# J-55 J&L SS Csg
Set @ 316' W/ 350 SX
Cmt circ.? Yes
TOC @ Surface
17-1/4" hole

9-5/8" OD 8 RT
36# CSG J-55 SS J&L
Set @ 2904' W/ 1700 SX
Cmt circ.? No
TOC @ by
12-1/4" hole




5-1/2" OD 8 RT
17 & 20 # CSG N-80 & J-55
Set @ 10,300' W/ 1750 SX
Cmt circ.? No
TOC @ 2895' by TS
7-7/8" hole

## Completion Data

GOR 501
Perfs: 10,285'-10270', 10255'-10210', 10,195'-10,145'. Dollarhide Ellenberger.

## Subsequent Workover or Reconditioning:

**5-52** Perf 5-1/2" csg w/ 2 - 1/2" holes.Set @ 9475' cmt'd w/1600 sacks. Sqz 12 bbls cmt thru perfs. TOC @ 2895' by TS. DO Cmt. Tst. OK. CO & drl cmt from 9333' to 10,292'.
**3-3-54** Shut off wtr & acdz. Run CIBP & set @ 10,271' w/1 sx cmt on top. TOC @10,262'. Run 40 gals Hydromite & filled hole to 10,235'. Tst 216 Oil & no wtr, gas vol. 81,100 Cu ft, GOR 371/1 TP 175#.
**11-29-54** DO plug to 10,263'. Dump Hydromite to 10,230'. Rerun tbg & pkr. Swab & tst. RTP
**9-6-56** Set cmt retainer on wireline @ 10,200'. Pmp 65 sx cmt dn tbg. Ran 326 jts 2-3/8" tbg w/hookwall pkr @ 10,125'. Trt form thru perfs from 10,145' - 10,175' w/500 gals. Pull tbg, ran tbg w/hookwall pkr @ 4035'.
**6-12-57** Ran 2-7/8" tbg w/cmt retainer @ 10,100, sqz w/75 sxs cmt. Set BP @ 8800' w/2 sx cmt on plug. Perf 5-1/2" csg w/4 - 1/2" JHPF; 8626'-8634', 8718'-8754', 8768'-8775'. Ran 2-7/8" tbg w/BP @ 8660' & perm pkr @ 8600'. Trt form thru perfsw/3000 gals 15% acid, in 5-1/2" csg from 8626'-8634', Trt form thru perfs from 8626'-8754' w/5000 gals 15% acid. Swab. Pull tbg, BP & Pkg. ran tbg to 6482'. Ran rods & pmp & RTP. Recompleted in Dollarhide Fusselman.
**3-19-58** Abn Dollarhide Fusselman, Recompl in Dollarhide Devonian. Set CICR @ 8585', sqz w/125 sx cmt. Perf 5-1/2" csg w/4 - 1/2" JHPF @ 7792'-7804', 7810'-7820'. Set tbg @ 7826' & pkr @ 7684', acdz w/2000 gals 15% NE, flow, acdz w/6000 gals NE acid.
Tst RTP. Prod interval 7792'-7820'.
**5-9-63** Start Wtr Inj, avg inj rate 662 bbls @ 1000#.
**11-16-84** POH w/tbg & pkr, acdz 7792'-7820' w/6000 gals 15% NE. Set CIBP @ 8000', cap w/35' cmt. Perf 7623'-28', 7642'-48' w/(4) 1/2" JHPF, Spot 200 gals 15% NE on perfs 7623'-48', acdz w/6000 gals 15% & 66 RCNB's. RTI.
**10-1-87** Circ hole clean, Acdz perfs 7623'-7820' w/4500 gals 15% NE. RTP.
**10-26-00** Rpl pkr Baker Loc-set w/on-off tool. Rpl tbg w/ poly-core 2-3/8" J-55. Set pkr @ 7513', tst csg to 500#, Rtn to Inj.

**Additional Data:**
T/Yates @ 2730'
T/Tubb @ 6065'
T/Devonian @ 7610'
T/Ellenberger @ 10,135'

printed: 3/31/2004

PBTD: 10,292'
TD: 10,300'

Created by: chay 3-30-04

# WELL DATA SHEET

LEASE: West Dollarhide Devonian Unit WELL: 118

LOC: 2540' F S L & 1420' F W L SEC: 33

TOWNSHIP: 24S CNTY: Lea

RANGE: 38E UNIT: K ST: N.M.

**Operator: ARCH Petroleum**

FORM: Devonian DATE: 4/7/2004

State Lease #

GL: 3182' STATUS: TA'd

KB: API NO: 30-025-24345

DF: CHEVNO:

| | |
|---|---|
| Spud: | 3/10/1973 |
| Date Completed: | 4/10/1973 |
| Initial Production: | 95 Oil, 7 Wtr |
| Initial Formation: | Dollarhide Devonian |
| FROM: | 7794' to 8016' |

**Completion Data**

Perf 5-1/2" csg w2, 1/2" JHPF, @ 7794'-7804' & 8006'-8016'
Acdz w/6000 gals 15% NE acid

**Subsequent Workover or Reconditioning:**

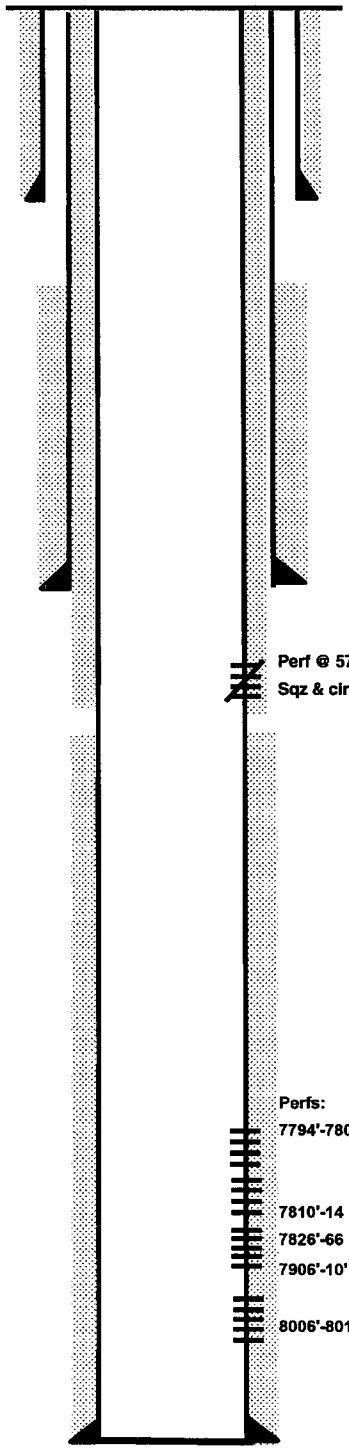
**11-24-76** Perf 5-1/2 csg w/4, 1/2" JHPF @ 5700'. Cmt w/1125 sx cmt, circ to surf., & sqz perfs. CO, Tst & Trt perfs w/1000 gals 15% NE, RTP.
**11-8-79** Add Perf w/2, 1/2" JHPF, 24 holes, 7810'-14'; 7862'-66', 7906'-10'. Acdz new perfs w/266 gals 15% NE. Acdz all perfs 7794'-8016' w/8000 gals 15% NE, drop 50 7/8" RCNB's. Tst: 51 BO, 124 BW, 41 MCF.

**Additional Data:**
T/Yates @ 2745'
T/Tubb @ 6178'
T/Devonian @ 7790'

13-3/8" OD
48# Csg H-40
Set @ 303' W/ 335 SX
Cmt circ.? Yes
TOC @ Surf by Circ
17-1/2"

8-5/8" OD
32# CSG K-55 ST&C
Set @ 3947' W/ 300 SX
Cmt circ.? No
TOC @ 2598' by TS
11" hole

5-1/2" OD
14 & 15.5# CSG K-55 & ST&C
Set @ 8049' W/ 260 SX
Cmt circ.? No
TOC @ 5800' by TS
7-7/8" hole




printed: 4/8/2004

PBTD: 8015'
TD: 8050'

Created by: chay 4-7-04

# WELL DATA SHEET

LEASE: West Dollarhide Devonian Unit WELL: 119

LOC: 2180' F N L & 450' F E L SEC: 32

TOWNSHIP: 24S CNTY: Lea

RANGE: 38E UNIT: H ST: N.M.

**Operator: ARCH Petroleum**

Formerly:

FORM: Devonian DATE: 4/9/2004

State Lease # E-43520

GL: 3178' STATUS: Active Injection Well

KB: API NO: 30-025-24927

DF: CHEVNO:

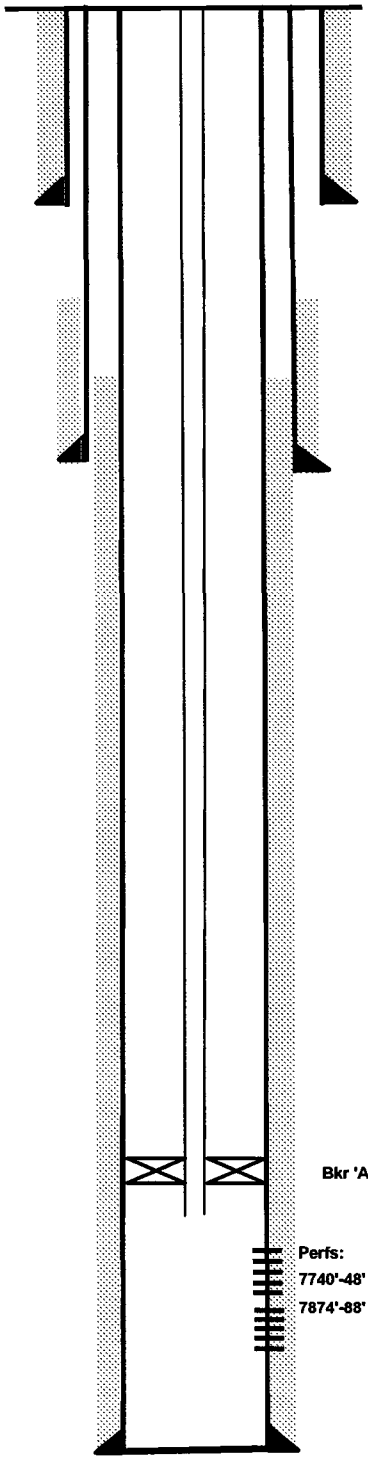
Spud: 2/25/1975

Date Completed: 5/26/1975

Initial Production: Wtr Injection Well - 5-26-75

Initial Formation: Devonian

FROM: 7740' to 7888'




13-3/8" OD
48 & 54.4# CSG K-55, ST&C
Set @ 1200' W/ 1130 SX
Cmt circ. Yes
TOC @ Surf by Circ
17-1/2"

8-5/8" OD
32# CSG K-55, LT&C
Set @ 3953' W/ 340 SX
Cmt circ.? No
TOC @ 2500' by TS
11" hole

5-1/2" OD
15.5# CSG K-55, LT&C
Set @ 8000' W/ 550 SX
Cmt circ.? No
TOC @ 3400' by TS
7-7/8" hole

**Completion Data**

Perfs: 7740'-48', 7874'-88', w/4 SPF, Acdz w/8000 gals
Tbg Rec. 2-1/16" @ 6682' Upper - Pkr @ 6682';
Tbg Rec. 2-1/16" @ 7810' Lower - Pkr @ 7810'

**Subsequent Workover or Reconditioning:**

**4-18-80** Perf 5-1/2" csg w/(4), .44" holes in 2' intervals. Set cmt retnr @ 3142'. Ppd 700 sxs cmt in 5-1/2" X 8-5/8" annulus. Circ to surf, tst, OK. Ppd 1000 sx cmt, DO cmt from 3144'-3200'. Tst OK. Acdz perfs 7874'-88' w./4000 gals 20% HCL. DO scale to perm pkr @ 7810'. Spot acid to bottom. Ppd 2700 gals 20% Hcl in perfs 7740'-48'. DO bottom part of drillable pkr & CO to 7955'. Spot acid to pkr @ 7793'. Ppd 4000 gals 20% acid. Circ hole w/pkr fluid. Started Injecting Water @ 12:30 PM 4-11-80.
**11-30-84** CO to 7456'. Acdz w/6000 gals 15% NE. Reenter tbg & pkr to 7506'.
**9-28-87** POOH w/Prod equip, CO hole & acdz Devonian perfs, 7740'-7888' w/4750 gals 15% NE, & 1500 lbs gr Sd in 1500 gals Br Wtr. TIH w/2-3/8" Plastic coated tbg to 7495. Pmp Pkr fl dn csg. Set Pkr & press csg to 590 PSI, OK. RTP.
**3-10-95** POH w/Inj equip & tbg. RIH w/ RBP & Pkr on WS & tst csg. Tag fill 80' above perfs. CO to 7948', circ clean. Trt w/4000 gals 15% NE. POH w/pkr & WS. RIH w/Bkr Mod 'A2' LOK-SET. Set w/on-off tool & 1.5" profile Nipple. Set pkr @ 7516'. Rlse on-off tool & circ Pkr fl. Tst csg. 500# for 30 mins. OK. RTI.

**Additional Data:**
T/Yates @ 2738'
T/Tubb @ 6161'
T/Devonian @ 7740'

PBTD: 7955'

TD: 8000'

Created by: chay 4-12-04

printed: 4/12/2004

WBD_McGHEE_157.xls

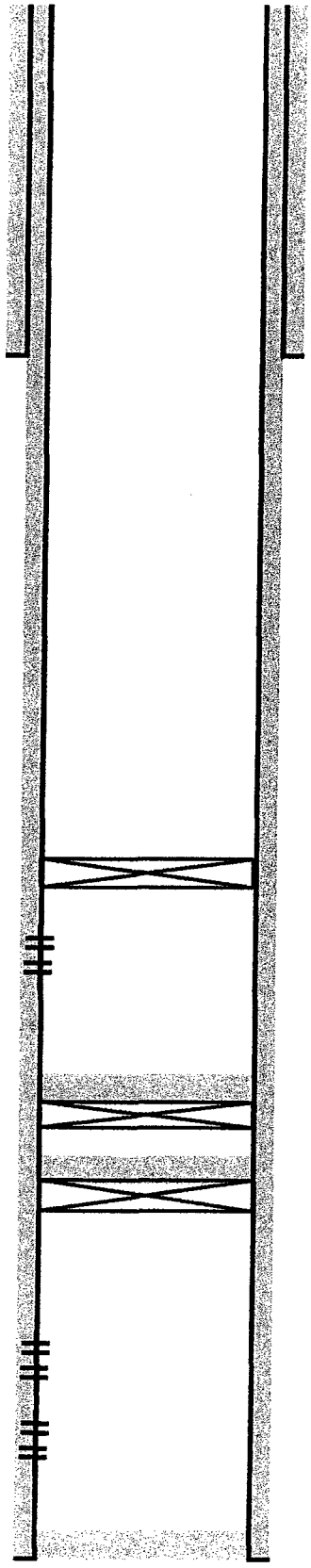
Well: **J B McGHEI 7** **DOLLARHIDE** Reservoir:

| | |
|---|---|
| **Location:** | 1275' FSL |
| | 400' FEL |
| Section: | 31 |
| Township: | 24S |
| Range: | 38E |
| County: | LEA,NM |

## Current Wellbore Diagram

| | |
|---|---|
| **Well ID Info:** | |
| Refno: | |
| API No: | 30-025-33404 |
| L5/L6: | |
| Spud Date: | 9/20/1996 |
| Compl. Date: | 10/2/1996 |

| | |
|---|---|
| **Elevations:** | |
| GL: | 3133' |
| DF: | |
| KB: | 3148' |



| | |
|---|---|
| **Surf. Csg:** | 8 5/8" |
| | 24# |
| **Set: @** | 1200' |
| **With:** | 550 SXS |
| **Hole Size:** | 11" |
| **Circ:** | YES |
| **TOC @** | SURF |

**7/23/2002**
CIBP SET @ 3910' , PKR FLUID
CIRC'D, WELL TA'D

CIBP @ 3910'

Perfs; 3957'-3966'

CIBP @ 6280'
(CAPPED W/ 35' CMT)

CIBP @ 6350'
(CAPPED W/ 35' CMT)

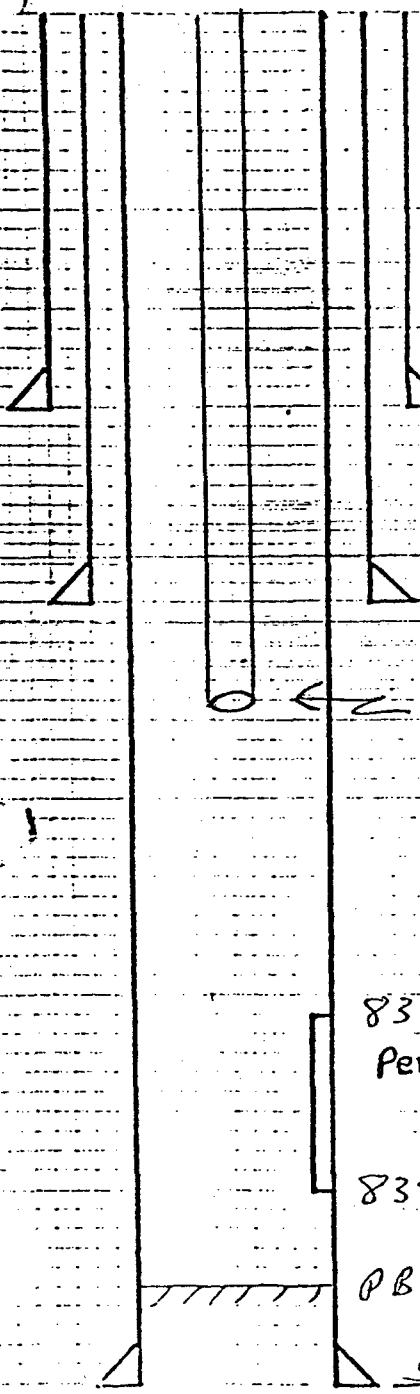
PERFS:6376'-6499'

PERFS: 6586' - 6880'

| | |
|---|---|
| **Prod. Csg:** | 5 1/2" |
| | 15.5&17 |
| | 0 |
| **Set @** | 6935' |
| **With:** | 1729 SXS |
| **Hole Size:** | 7 7/8" |
| **Circ:** | YES |
| **TOC @** | SURF |
| **COTD:** | |
| **PBTD:** | 6,250' |
| **TD:** | 6,935 ' |
| **Updated:** | 23-Jul-02 |
| **By:** | J. M. LOVELL |

7/24/2002 5:21 AM

# Mexico J No. 2



Remarks:

MEASUREMENTS 12' ABOVE G.L.

13 3/8 CSG. set @ 300
cemented w/ 300 SXS.
TOP cement @ SURF. (CALC.)

8 5/8 CSG. set @ 3155
cemented w/ 1700 SXS.
TOP cement @ SURF. (CALC.)

2 7/8 6.5# 8rd EUE TBG set @ 4074'

8380
Perfs

8390

PBTD @ 8458

5 1/2 17# J-55 CSG. set @ 10,300
cemented w/ 843
TOP cement @ 3341

TD @ 10,300

Formation Tops:

Queen @ 3580
Tubb @ 5968
DRINKARD @ 6050
ABO @
Devonian @ 7476
Silurian @ 7664
Fusselman @ 8475

PO-90M
(3/92)

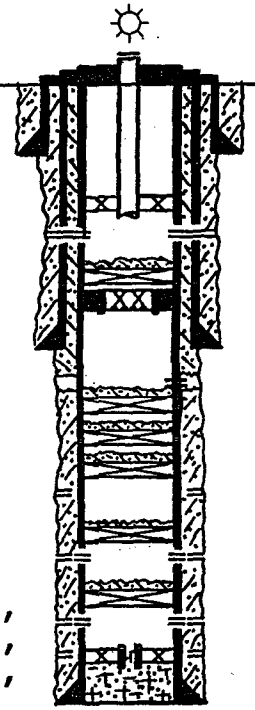
# PRODUCING WELL DATA SHEET

**OPERATOR:** Texaco Exploration & Production Inc. **WELL:** Mexico "J" #2

**FOOTAGE LOCATION:** 660 FSL, 1980 FEL **Sec./Twn/Rng:** Unit O, Sec 32, T-24-S, R-38-E

Lea County, New Mexico

## SCHEMATIC



Gr — 3170' GL (DF=11')

300' — 13-3/8", 48#, 300 sx, cement circulated

2610' — Loc-Set Packer

2647' — T/ Yates perfs

3057' — CIBP, 15' cement

3061' — stuck RBP

3155' — 8-5/8", 36#, 1700 sx, cement circulated

3570' — CIBP, 35' cement

5930' — CIBP, 35' cement

7440' — CIBP, 35' cement

7477' — Devonian perfs, SQZD

8330' — CIBP, 35' cement

8380' — T/ Fusselman perfs

8475' — CIBP, 17' cement

10017' — T/ Ellenberger perfs

10045' — Ell. perfs, retainer

10300' — 5-1/2", 17#, 890 sx, TOC @ 3406'/ surf.

Tops:

| | |
|---|---|
| Salt | 1290'-2490' |
| Yates | 2646' |
| Queen | 3580' |
| Drinkard | 6305' |
| Devonian | 7477' |

## TABULAR DATA

Surface Casing: Set at: 300'

Size 13-3/8", 48# Cemented with 300 sx.

TOC surface ' determined by circulation

Hole Size 17" Spud Date: 12-21-51

Intermediate casing: Set at: 3155'

Size 8-5/8", 36# Cemented with 1700 sx.

TOC surface ' determined by circulation

Hole Size 11"

Production Casing: Set at: 6955'

Size 5-1/2", 17# Cemented w/ 287+603 sx.

TOC 3406/ surf.' determined by CBL / SQZ

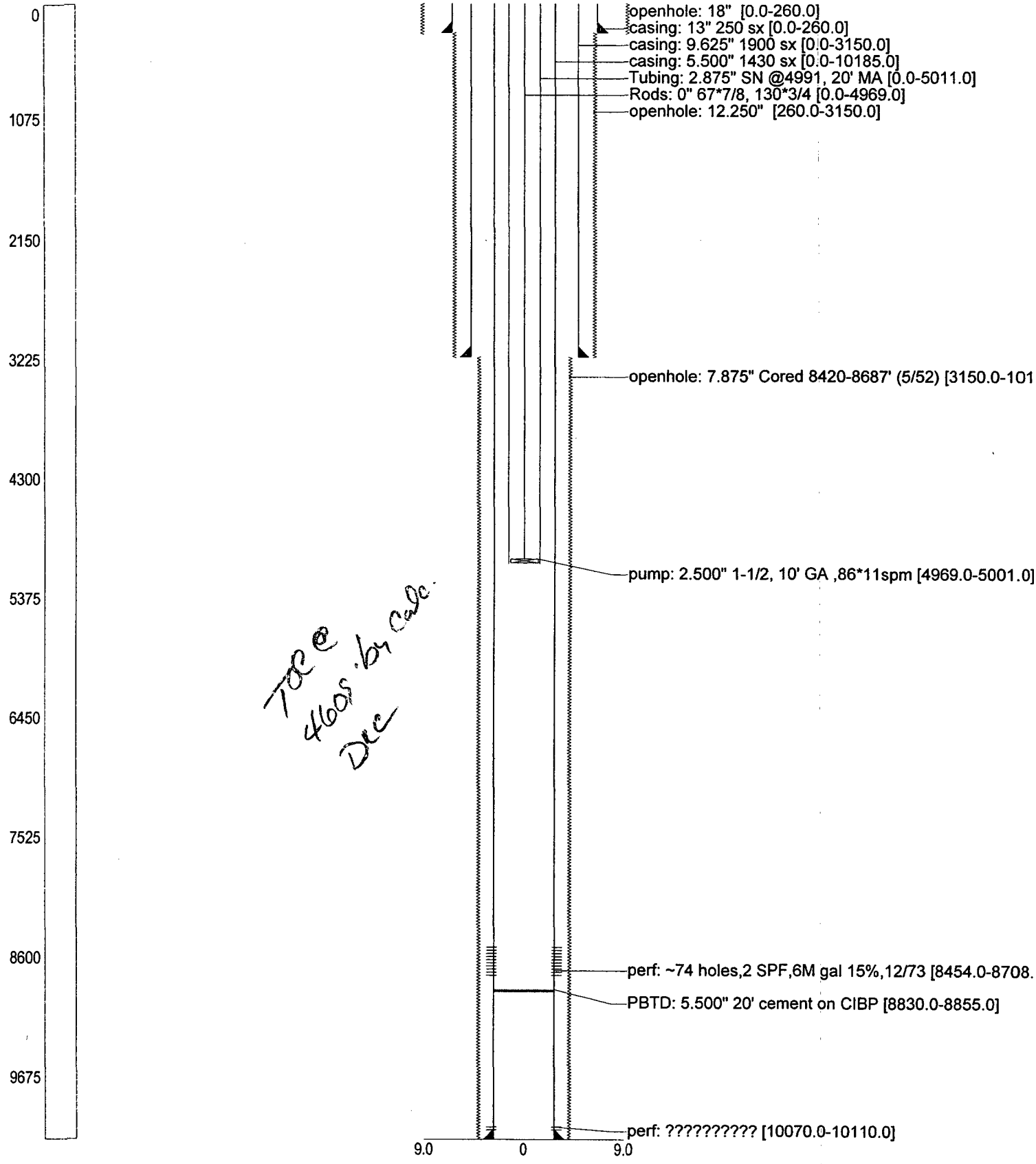
Hole Size 7-7/8, DV tool set at 8461'.

Producing Interval: W. Dollarhide Yates 7R

2647 ' to 3514 ' through: 139 holes @ 1 SPF

Tubing: 2-7/8", 4.7#, J-55

Name: MEXJ4 ID: FB3237:0 Type: PS Date: 6/25/2003



PO-90M
(3/92)

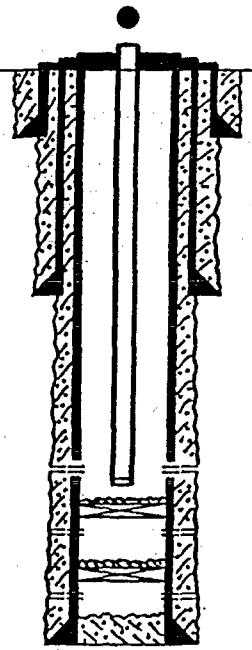
# PRODUCING WELL DATA SHEET

**OPERATOR:** Texaco Exploration & Production Inc. **WELL:** Mexico J #5

**FOOTAGE LOCATION:** 1980 FSL, 660 FWL **Sec./Twn/Rng:** Unit L, Sec 32, T-24-S, R-38-E

Lea County, New Mexico

## SCHEMATIC



Gr 3157' GL

250' — 13-3/8", 36#, 250 sx, cement circulated

3150' — 9-5/8", 32#, 1550 sx, TOC @ surface, calc.

7585' — T/Devonian perfs
7870' — CIBP, 32' cem.
8502' — T/ Silurian perfs
8600' — CIBP, 14' cem.
8684' — T/ Devonian perfs
8745' — 5-1/2", 15.5 & 17#, 1294 sx, TOC @ surf, calculated.

Tops:

| | |
|---|---|
| Salt | 1270'-2549' |
| Queen | 3582' |
| Tubbs | 5990' |
| Drinkard | 6336' |
| Abo | 6520' |

KDB=12'

## TABULAR DATA

Surface Casing: Set at: 250'

Size 13-3/8", 36# Cemented with 250 sx.

TOC surface ' determined by circulation

Hole Size 18" Spud Date: 5-23-52

Intermediate casing: Set at: 3150'

Size 8-5/8", 32# Cemented with 1800 sx.

TOC surface ' determined by calculated

Hole Size 12-1/4"

Production Casing: Set at: 8745'

Size 5-1/2, 15.5&17# Cemented w/ 1294 sx.

TOC surface ' determined by calculation

Hole Size 7-7/8, DV tool set at 8422'

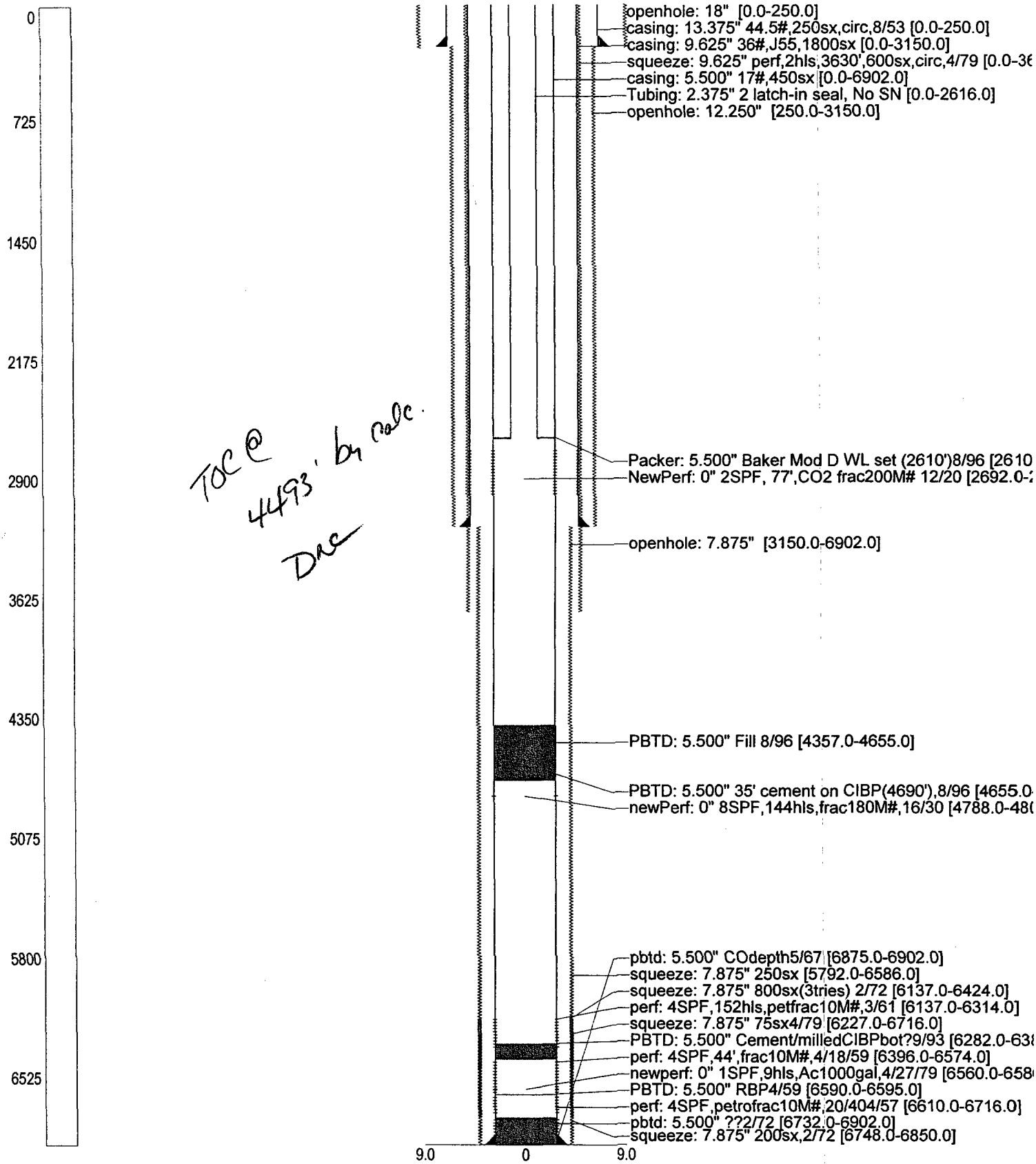
Producing Interval: West Dollarhide Devonian

7585 ' to 7807 ' through: 89 perfs

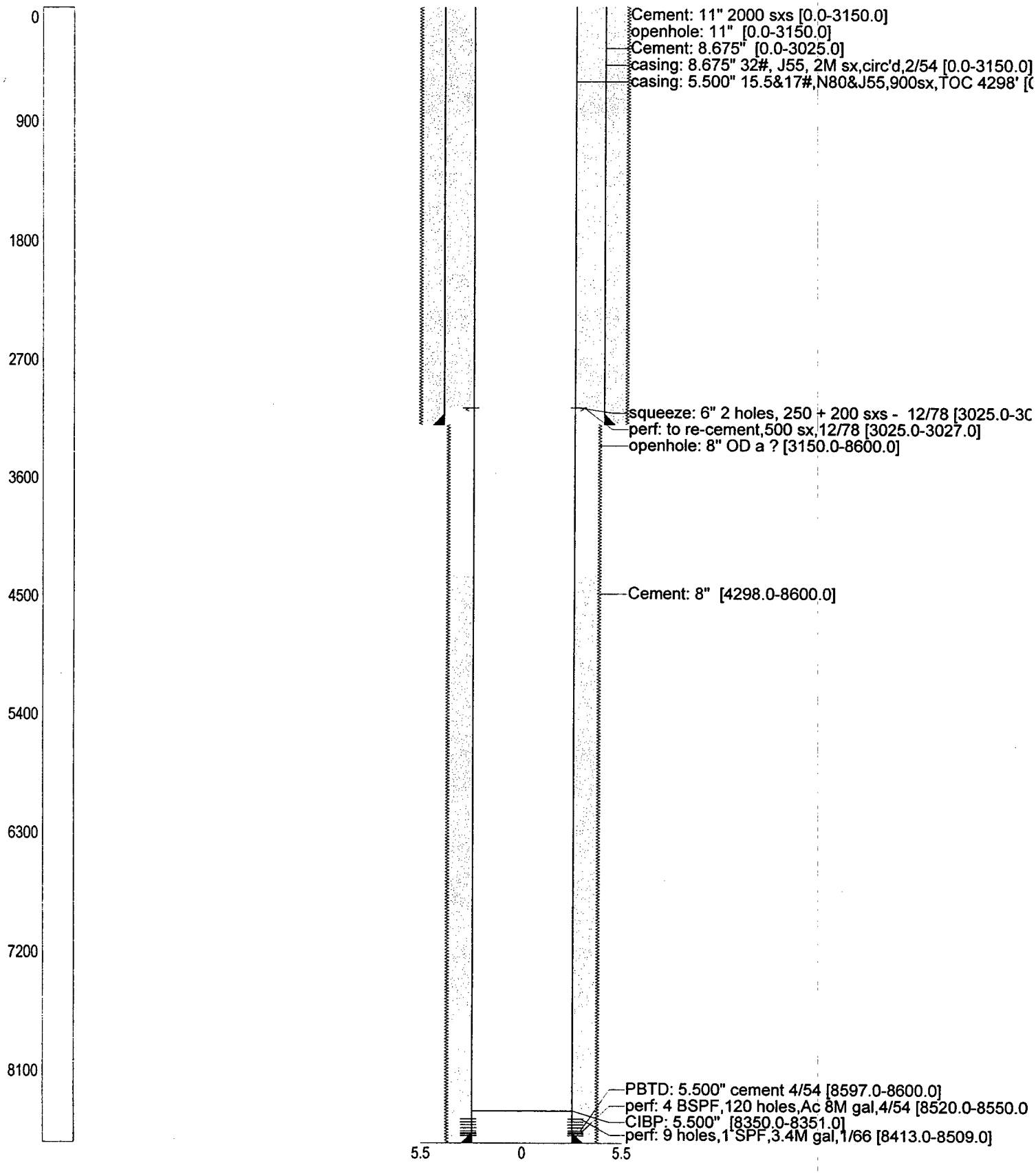
Tubing: 2 7/8", 4.7#, J-55, SN at 7793'

PBTD @ 7838

Name: MEXJ9D ID: FB3242:0 Type: TA Date: 6/25/2003



Name: MEXJ17 ID: FB3250:0 Type: SI Date: 6/25/2003



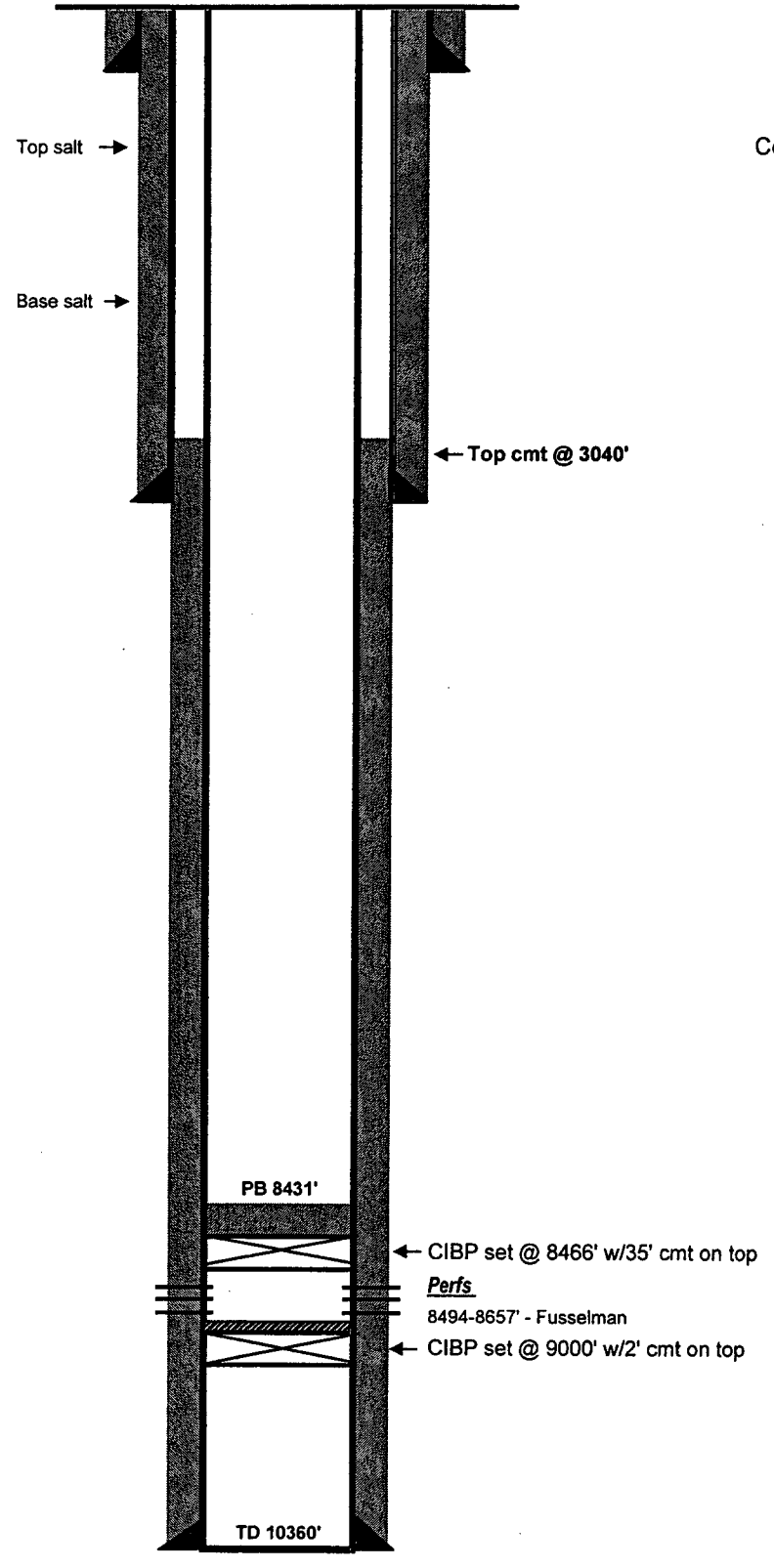
# CURRENT WELL DATA SHEET

**Field:** Dollarhide **Well Name:** Mexico "L" #1 **Lease Type:** State
**Location:** 660' FNL & 660' FEL **Sec:** 5-A **Township:** 25S **Range:** 38E
**County:** Lea **State:** New Mexico **Refno:** FB3302 **API:** 30-025-12365 **Cost Center:** UCU881700
**Current Status:** TA'd
**Current Producing Formation(s):** Fusselman
**Initial Prod Field/Formation(s):** Wildcat

***Surface Csg.***
**Size:** 13 3/8"
**Wt.:** 44.5#
**Set @:** 304'
**Sxs cmt:** 300
**Circ:** Yes
**TOC:** Surface
**Hole Size:** 18"

***Intermediate Csg.***
**Size:** 9 5/8"
**Wt.:** 32# & 36#
**Set @:** 3250'
**Sxs Cmt:** 2100
**Circ:** Yes
**TOC:** Surface
**Hole Size:** 12 1/4"

***Production Csg.***
**Size:** 5 1/2"
**Wt.:** 17#
**Set @:** 10360'
**Sxs Cmt:** 1613
**Circ:** No
**TOC:** 3040' by CBL sqz
**Hole Size:** 7 7/8"

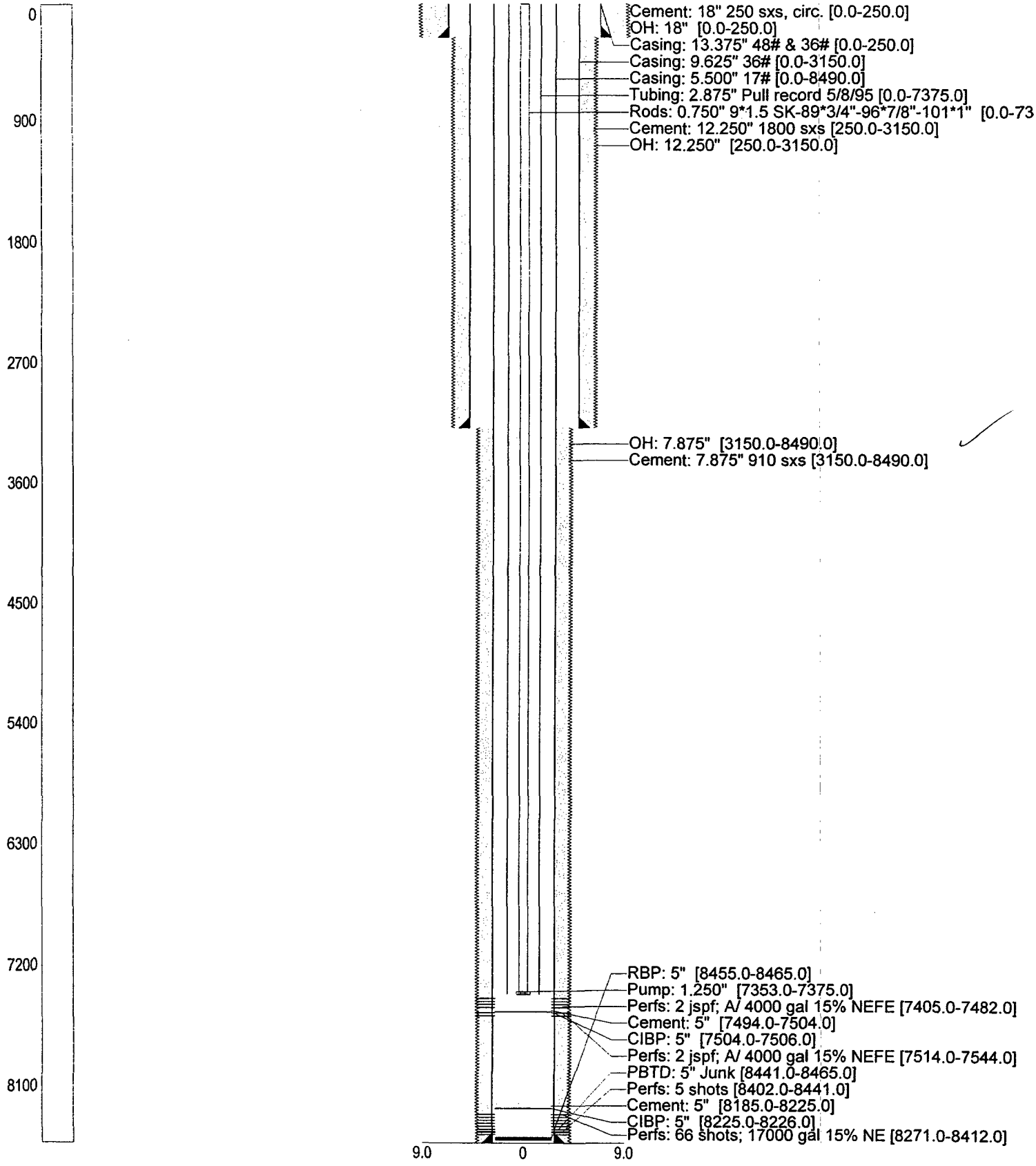



KB: 3171'
DF: 3168'
GL: 3156'
Spud Date: 8/6/1951
Compl. Date: 11/23/1951

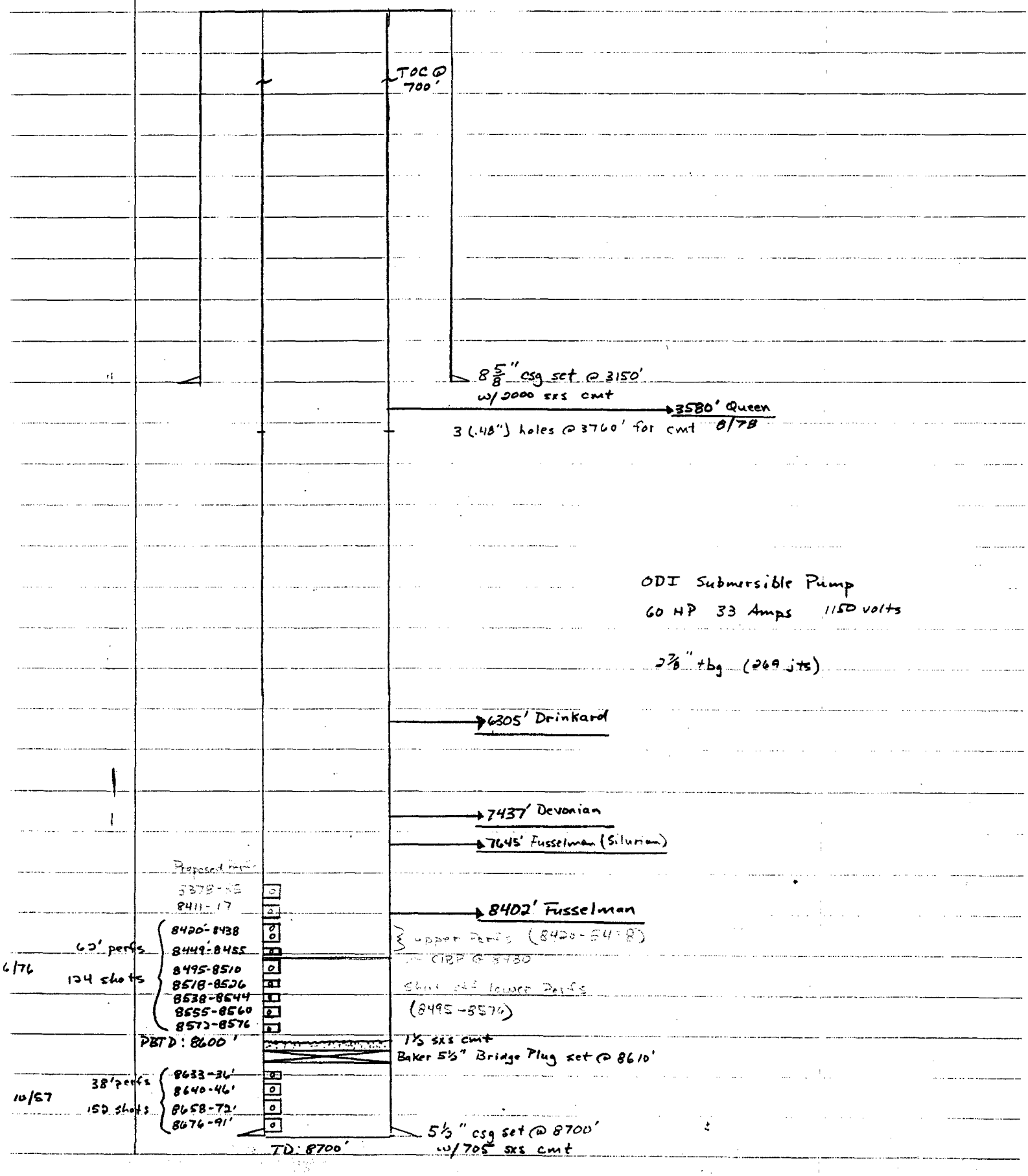
| | |
|---|---|
| Top Salt | 1233' |
| Base Salt | 2488' |
| Top Queen | 3585' |
| Top Drinkard | 6328' |
| Top Abo | 6545' |
| Top Fusselman | 8475' |
| Top Ellenburger | 10,012' |

**Prepared by:** K M Jackson
**Date:** 6/25/2003

Name: MEXL11 ID: FB3312:0 Type: PA Date: 6/25/2003



Mexico 'L' 24 Elev. 3172' D.F.
5-25S-38E
Lea, Co. New Mexico



Well: **Mexico "L" #27** Field: **Dollarhide** Reservoir: **Fusselman**

**Current**
## Wellbore Diagram

**Location:**
482' FNL & 990' FWL
Section: 5
Township: 25S
Range: 38E Lot: D
County: Lea State: NM

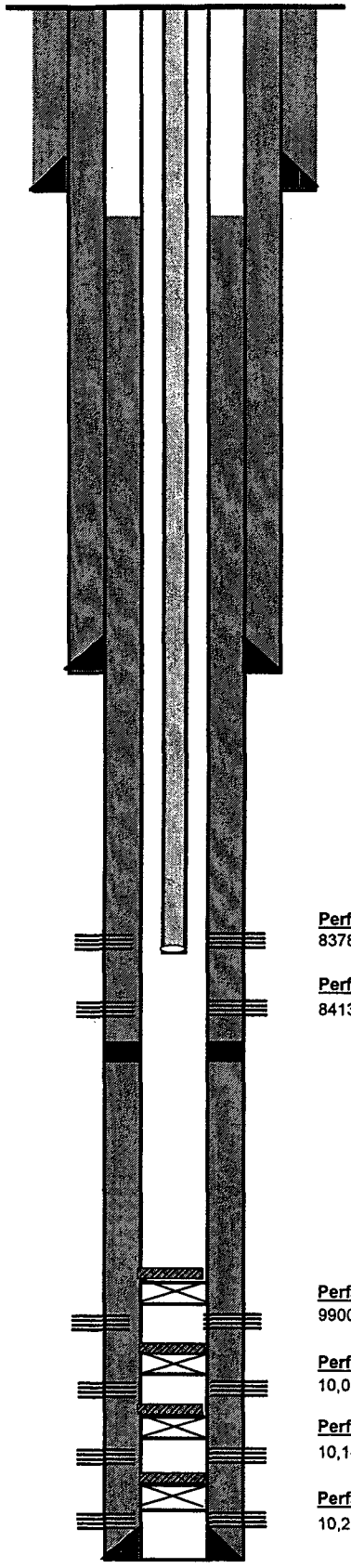
**Elevations:**
GL: 3128'
KB:
DF:

**Well ID Info:**
Chevno: HB5759
API No: 30-025-35336
L5/L6: UCU881900
Spud Date: 1/22/01
Compl. Date: 5/11/01

**Surface Csg:** 11-3/4", 42#
**Set:** @ 1100' w/ 660 sx cmt
**Hole Size:** 14-1/2"
**Circ:** Yes **TOC:** Surface
**TOC By:** Circulation

**Intermediate Csg:** 8-5/8", 32#
**Set:** @ 4197' w/ 1680 sx cmt
**Hole Size:** 11"
**Circ:** Yes **TOC:** Surface
**TOC By:** Circulation

**Tubing Detail (7/22/01)**
2-7/8" tbg
SN @ 8389'



| Perfs | Status |
|---|---|
| 8378-8398' | Upper Fusselman - open |
| 8413-8427' | Lower Fusselman - open |

**DV tool @ 8515'**

**Prod. Csg:** 5-1/2", 17#
**Set:** @ 10,410' w/ 1700 sx cmt
**Hole Size:** 7-7/8"
**Circ:** No **TOC:** 1400'
**TOC By:** Calculation

**CIBP @ 9850'**
**w/10' cmt on top**

**CIBP @ 10,000'**
**w/10' cmt on top**

**CIBP @ 10,150'**
**w/10' cmt on top**

**CIBP @ 10,230'**
**w/10' cmt on top**

| Perfs | Status |
|---|---|
| 9900-9971' | Ellenburger - below CIBP |
| 10,010-10,026' | Ellenburger - below CIBP |
| 10,162-10,168' | Ellenburger - below CIBP |
| 10,244-10,263' | Ellenburger - below CIBP |

Prepared by: K M Jackson **TD 10,410'** Date: 3/28/03

PO-108
(5/93)

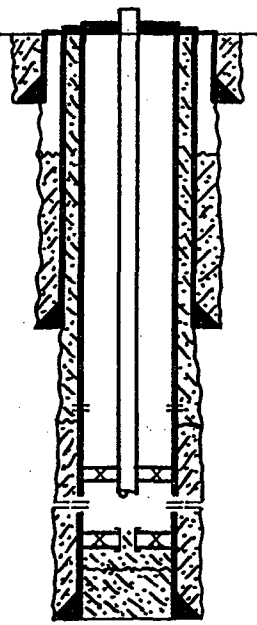
# PROPOSED CONVERSION TO INJECTION

**OPERATOR:** Texaco Exploration & Production Inc. **WELL:** West Dollarhide Drinkard Unit #42

**FOOTAGE LOCATION:** 660 FNL, 660 FEL **Sec./Twn/Rng:** Unit A, Sec 32, T-24-S, R-38-E

Former Pan American State "Y" #3 Lea County, New Mexico

## SCHEMATIC



Gr 3197' GL
(KB=16')

316' 13-3/8", 36#, 375 sx, cement circulated

3135' 9-5/8", 40#, 410 sx, TOC @ 975, temp.

4825' annulus SQZD, 10/80

6540' AD-1 injection packer
6580' T/ Drinkard perfs
6750' retainer, Abo SQZD
7040' PBTD, Devonian SQZD
8053' 7", 23&26#, 700 sx, TOC @ 4850'/ surf.

Tops:

| | |
|---|---|
| Salt | 1250'-2730' |
| Queen | 3650' |
| Tubbs | 6185' |
| Drinkard | 6505' |
| Abo | 6742' |

## TABULAR DATA

Surface Casing: Set at: 316'

Size 13-3/8", 36# Cemented with 375 sx.

TOC surface ' determined by circulated

Hole Size 12-3/4" Spud Date: 4-02-53

Intermediate casing: Set at: 3135'

Size 9-5/8", 40# Cemented with 410 sx.

TOC 975 ' determined by temp. srv.

Hole Size 12-1/4"

Production Casing: Set at: 8053'

Size 7", 23&26# Cemented with 700 sx.

TOC 4850'/surf.' determined by temp./ sqz

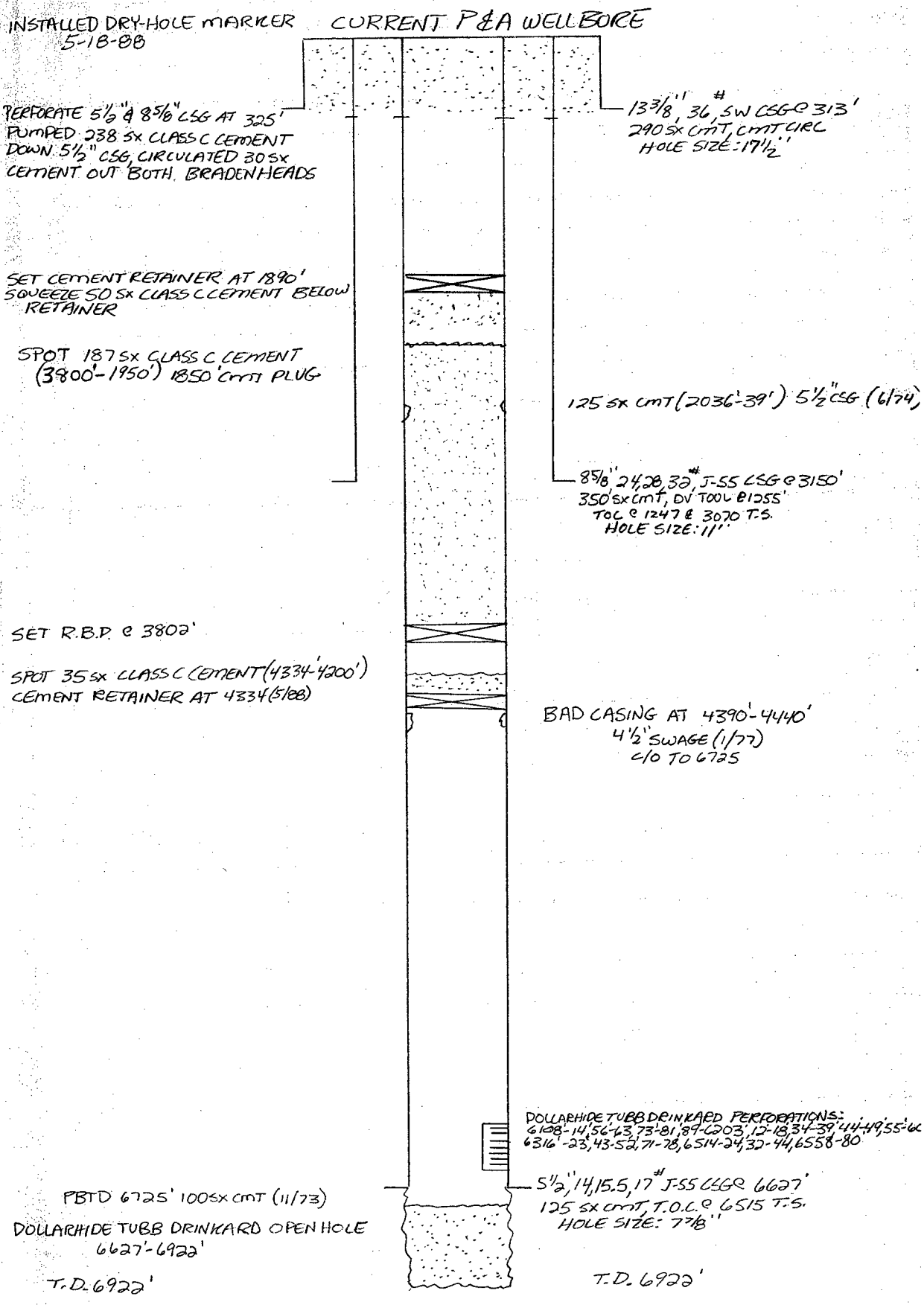
Hole Size 8-3/4, annulus SQZD 462 sx, 10/80

Injection Interval: Lower Drinkard, Abo

6580 ' to 6670 ' through: perfs

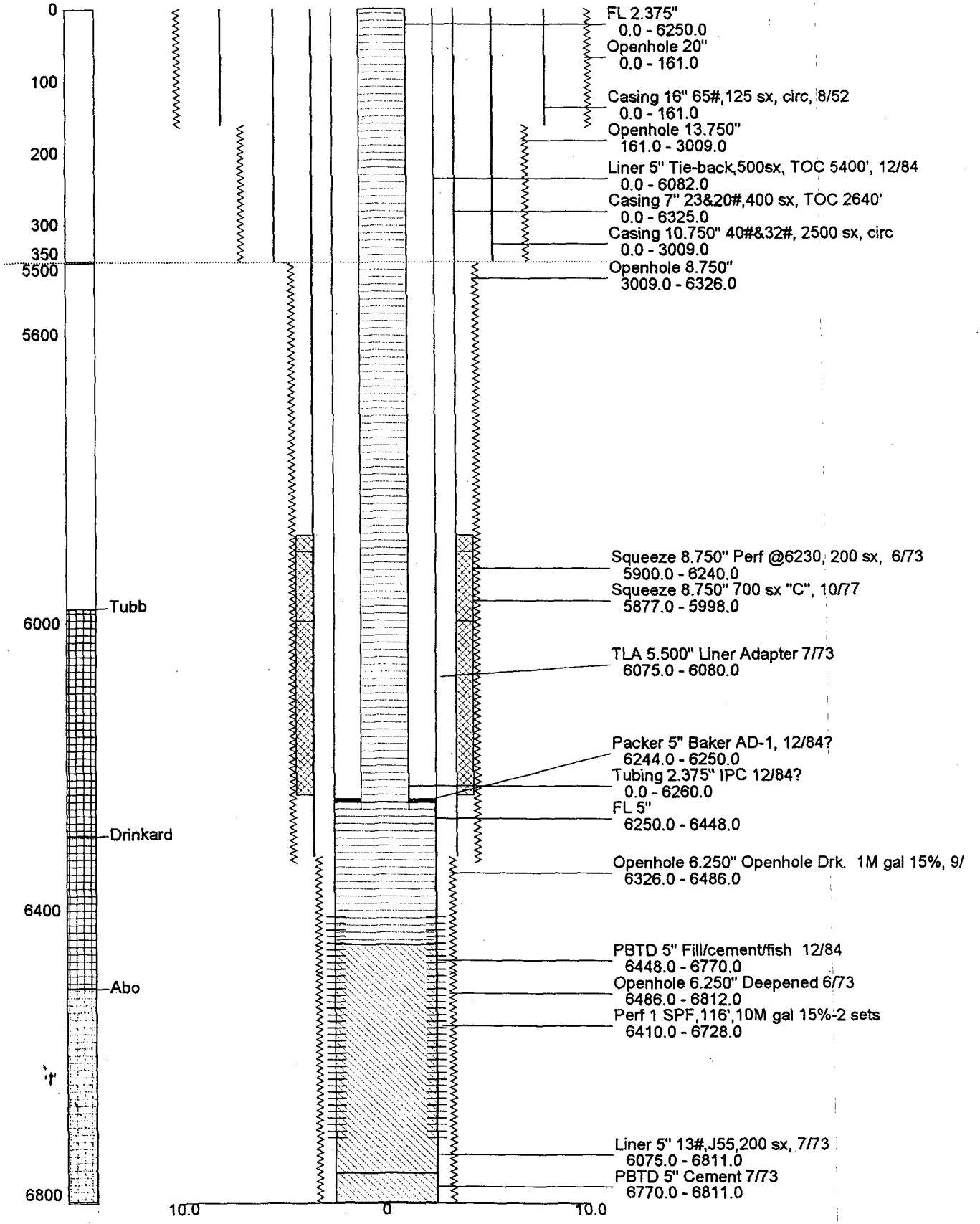
Tubing: 2-3/8", 4.7#, J-55, HDPE lined

WEST DOLLARHIDE DRINKARD UNIT WELL NO. 44
UNIT LETTER C, 990' FNL & [redacted]80 FWL, SECT 32, T-24S, R-[redacted]8E
LEA COUNTY, NEW MEXICO
3192' D.F. ALL MEASUREMENTS
3178' G.L.



WDDU #51 injector

Name: 51 ID: 3002512279 Type: WINJ Date: 19991001
KB: 0.0 TD: 0.0 PBTD: 0.0 Comp Date: 0



SKELLY OIL COMPANY
WELL DATA SUMMARY DATE:

POOL Dollarhide Drinkard LEASE West Dollarhide Drinkard Unit WELL NO. 55
LOCATION 2310' (FNL-~~FSL~~) 660' (FEL-~~FEL~~), SECTION 32 T 24S R 38E, Lea COUNTY New Mexico
DATE SPUDDED 3-27-54 DATE COMPLETED 5-2-54 TD 6927' PBTD 6791' (~~DUAL~~) (SINGLE)
I.P. E. Drinkard ZONE (6483' - 6927') 132 BOPD 7 MCFPD 0 BWPD.
I.P. ZONE ( ' - ' ) BOPD MCFPD BWPD.
PRESENT ZONE: (OPEN HOLE) (PERFS) Open hole 6682-6791'. 5½" OD csg perfs: 6483-92, 6511-37, 6552-57, 6573-78, 6597-6602 w/ 4 shts/ft (52' & 208 shts)

ELEV. 3197' DF

COMPLETION-DESCRIBE: Perf 5½" OD csg 6483-6602'. Set packer @ 6465' & treated thru perfs 6483-6602 w/ 3500 gals 15% acid. Treated thru open hole w/ 6000 gals 15% reg acid (6682-6927')
WORKOVER Mar 1958 set BP @ 6640'. Treated 5½" OD csg perfs 6483-6602 w/ 10,000 gals gelled acid & spearheaded by 500 gals reg acid. Sept 1960 Pulled BP @ 6640', Perf 5½" OD csg 6469-6638' & treated w/ 10,000 gals gelled acid & 10,000# sand, spearheaded by 500 gals 15% reg acid. C.O. to TD 6927'. 9-11-69 Pulled tbg. Injected water down csg to condition well for clean out. 9-15-70: Lo-wated tbg & found BP @ 6622'. C.O. to TD 6927'. Ran 2⅜" OD tbg w/ coated

13⅜" OD 36 # CSG. SET @ 319' W/ 250 SKS TOP CEMENT surface'

WORKOVERS-DESCRIBE: w/ TK-75 w/ 5½" BAKER Guide packer set @ 5924'. Well converted to water injection well 9-17-70.
1-18-72: Pulled tbg & packer. Ran 2⅜" tbg open ended to 6927' & cemented w/ top cement topped @ 6731'. Squeezed perfs 6469-6638' & drilled out cmt. Ran 2⅜" OD tbg w/ Guiberson packer set @ 6434'. Returned well to injection 1-27-72, injecting 1000 BWPD.

PROD. ZONE ( ' - ')
CUM. PROD. OIL GAS WATER DATE
PRESENT PROD. RATE: BOPD MCFPD BWPD

PROD. ZONE ( ' - ')
CUM. PROD. OIL GAS WATER DATE
PRESENT PROD. RATE: BOPD MCFPD BWPD

9⅝" 28# OD 32 # CSG. SET @ 3150' W/ 350 SKS TOP CEMENT ? '

REMEDIAL OBJECTIVE: Squeeze off Upper channel & upper perforations.

RECOMMENDED PROCEDURE:
1. Rig up pulling unit and reverse circulating unit.
2. Pull injection tubing and packer.
3. Set Drillable BP in interval 6492 - 6511'. Run RTTS Tool and set at ± 6070'.
4. Squeeze perforations 6483-92' and channel in stages. (Pump 200 sks cement, clear perfs, W.O.C. 4 hrs, Pump 200 sks cement & squeeze to 2500#) W.O.C. 36 hrs.
5. Drill out to BP. Test. Resqueeze, if necessary.
6. Drill BP & clean out to PB.
7. Run injection tubing & packer. Set Packer at ± 6450'.
8. Resume injection.
9. After 2 weeks stabilized injection, run injection profile to evaluate workover results.

5½" 14# OD 15.5 # CSG. SET @ 6682' W/ 125 SKS TOP CEMENT ? '

Open hole 6682-6791'

ADDITIONAL PERTINENT INFORMATION: Ran Schlumberger electrical & micro logs. Ran Go International caliper log.

TD 6927' (-3730) Formerly: Pan American - State "9" #11
PBTD 6791 (-3594)

All measurements taken from top of derrick floor which was 14' from top of surface csg flange.

PO-108
(5/93)

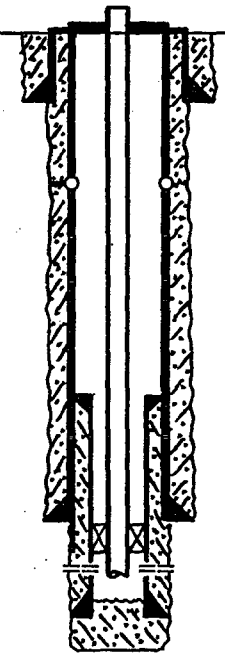
# PROPOSED CONVERSION TO INJECTION

**OPERATOR:** Texaco Exploration & Production Inc. **WELL:** West Dollarhide Drinkard Unit #56

**FOOTAGE LOCATION:** 2310 FNL, 330 FWL **Sec./Twn/Rng:** Unit E, Sec 33, T-24-S, R-38-E

Former Gulf Oil Co. H Leonard NCT-G #21 Lea County, New Mexico

## SCHEMATIC



Gr 3183' GL
(KB=12')
335' 9-5/8", 32.3#, 275 sx, cement circulated
1158' DV tool
6021' T/ liner
6349' 7", 23#, 1265 sx, cement circulated
6440' AD-1 injection packer
6481' T/ Drinkard perfs
6820' 5", 15#, liner, 200 sx, rev. 5 sx
6900' TD open hole

Tops:

| | |
|---|---|
| Salt | 1270'-2570' |
| Queen | 3670' |
| Tubbs | 6160' |
| Drinkard | 6472' |
| Abo | 6711' |

## TABULAR DATA

Surface Casing: Set at: 335'

Size 9-5/8", 32# Cemented with 275 sx.

TOC surface ' determined by circulated

Hole Size 13-3/4" Spud Date: 9-15-53

Intermediate casing: Set at: _____

Size _____ Cemented with _____ sx.

TOC _____ ' determined by _____

Hole Size ** DV tool at 1158'

Production Casing: Set at: 6349'

Size 7", 23# Cemented with 1265 sx.

TOC surface ' determined by circulated

Hole Size 8-3/4, 5" liner 5498'-6609' .

Injection Interval: Lower Drinkard, Abo

6481 ' to 6607 ' through: perfs

Tubing: 2-3/8", 4.7#, J-55, HDPE lined

# West Dollardhide Drinkard Unit # 58

| Location: |
|---|
| 1980' FSL & 630' FEL UL-K |
| Section: 33 |
| Township: 24S |
| Range: 38E |
| County: Lea State: NM |

| Well ID info: |
|---|
| Chevno: FB3284 |
| API No: 30-025-12345 |
| Spud Date: 6/02/53 |

| Elevations: |
|---|
| GL: 3174 |
| KB: 11' |
| DF: 3185' |

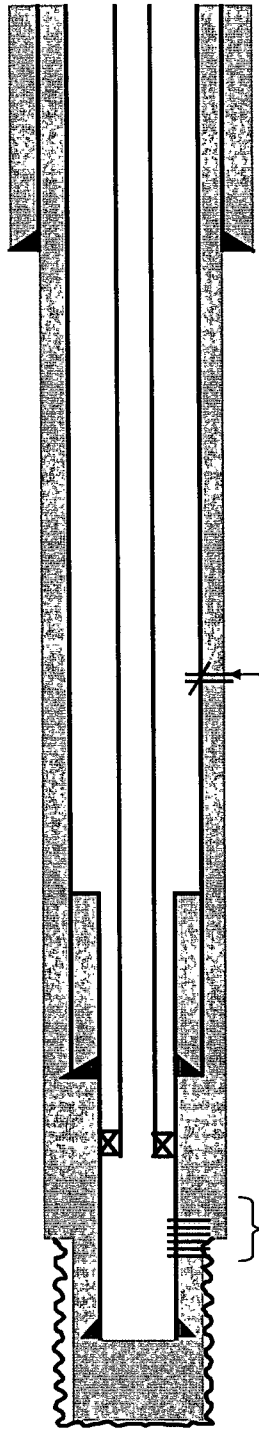
**Surf. Csg:** 10 3/4" 33#
**Set:** @ 306' w/ 275 sx
**TOC @** surface by circ.

**Tubing Detail:**

**Production Csg:** 7" 23#
**Set:** @ 6287' w/ 1171 sx
**TOC @** 145' by Temp survey

LINER: 5' 15# 5990' to 6750'

**TD:** 6890'




**completion data**

**7/30/53 Initial completion 13K 15% NE**

**6/25/85** TA well

**7/16/93** Clean out acidize and converted to injection to support wells # 125 and 127.

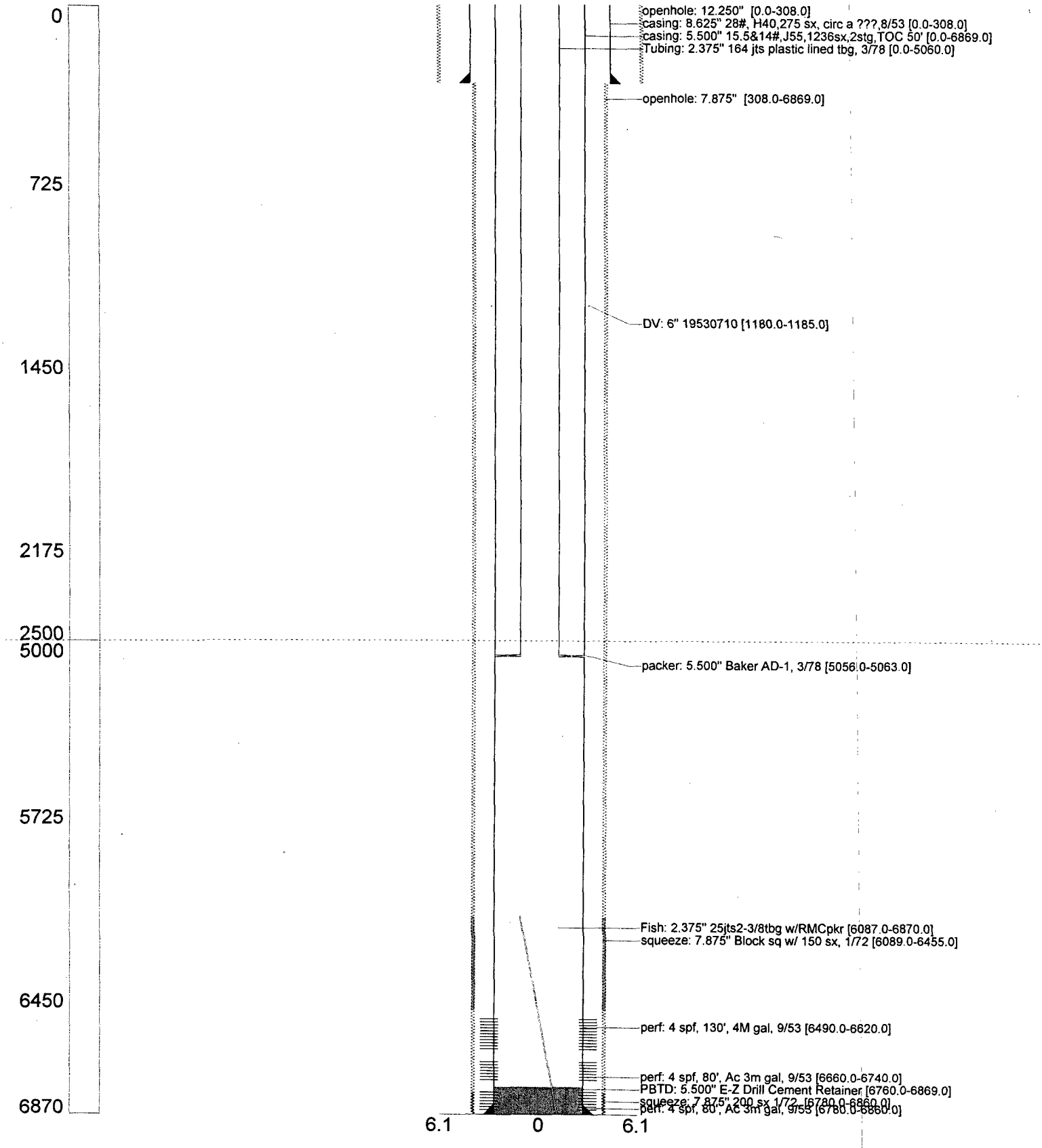
***Subsequent Workovers***

**1-3-94** Tag fill 6535', 115' fill sdfn.
**1-4-94** TIH with bit and attempt to clean out heavy iron sulfide. bit plugged with iron sulfide and metal fragments.
01-05-94 Trip in hole with 4 1/4" concave mill on 2 7/8" workstring. Tag at 6535' made one foot. Mill plugging off.
01-06-94 Ran 6 3/4" bit and 7" casing scraper on 2 7/8" work string to liner top @ 5990', pull out of hole. Ran 4 1/4" concave mill, 6 3 1/8" drill collars on 2 7/8" work string. Tag at 6535 and drill to 6569'.
01-07-94 Ran 4 1/4" bit on 6 3 1/8" drill collars and 2 7/8" work string. Tag at 6569'.
01-10-94 Ran 4 1/4" shoe on work string and tag at 6570'. Drill out to 6674'.
01-11-94 Finish pulling out of hole and lay down tools. Pick up 5" test packer and plug on 2 7/8" work string, trip in hole and set packer @ 6620'(22' above top perf).
01-12-94 Trip in hole with 5" treating packer on 2 7/8" workstring testing to 5000 psi. Set packer at 6620'. Rig up BJ Services. Load backside. Pump 1000 gals 15% NEFE acid.
1-13-94 Pull out of hole laying down work string.
1-1 4-94 Ran 5" nickel coated Loc-Set packer with 1.25" profile nipple and plug in place on 2 3/8" HDPE (Pipe Rehab) lined tubing. Set packer at 6415'. Load and test backside. Would not hold. Move packer to 6384' and set. Load backside and test. Held ok.
01-18-94 Jarrell Services pulled 1.25" Profile Plug. Tbg pressure=1340 psi. On injection at 12:30 pm at controlled rate of 200 BWPD.
On injection for 24 hours, Injected 200 Bbls Water at 1300 psi tubing pressure. Injecting into 5" Liner Perfs 6442'-6650', Dollarhide Drinkard Pool, Lea County, New Mexico. Baker Loc-Set Packer set @ 6384' Final report.

9/13/02 Set plug in profile bled down casing. small flow.
9/18/02 RU Key lay down inj tub. all pitted.
tih with WS and packer set @5775' tested liner OK.
9/19/02TOH testing to find casing leak. Isolated leak between 301' and 395' inj. rate 3.5 bpm. TOH.
9/20/02 TIH with 7" RBP set @ 2500' test set 7" packer. @ 275' established rate 3 bpm. pump 100sx RFC cement and 200 sx class C @ 3bpm. displaced to 300' SIP 238 psi. left SWE.
9/23/02 TP 4 psi. try to release packer stuck with cement. work loose and TOH. TIH with DC&bit and drill cement spotty and soft. fell thru @ 408' TOH. casing would not hold inj. 3.5 bpm 400 psi.
9/24/02 lay down BOP set wellhead flange and valve pump 200 sx 12-3 RFC cement & 200 sx Class C SIP 756 psi holding. SI 42 hrs.
9/26/02 ND wellhead tag cement 268' drill to 359' started to see metal shavings. TOH bit replaced 63/4" with 43/4" bit and 6 drill collars drill thru 408' TOH. TIH taper mill and work damaged pipe from 359' to 365' SIWE.
9/30/02 Continued drilling to 371' and fell thru to 380' casing did not hold. Work collapsed spot from 359' to 371'. TOH lay down tools and DC. TIH and released RBP TOH. Lay down work string, turn job over to P&A group.

**Updated:** 9/30/02

ame: WDDU 59 DHTD ID: 300251234600 Type: WI - SI Date: 10/1/2002



# West Dollardhide Drinkard # 60

| Location: |
|---|
| 2130' FSL & 510' FEL |
| Section: 32 |
| Township: 24S |
| Range: 38E |
| County: Lea State: NM |

| Well ID Info: |
|---|
| Chevno: FB3248 |
| API No: 30-025-12309 |
| Compl. Date: 12-10-53 |

| Elevations: |
|---|
| GL: 3183 |
| KB: 3193 |
| DF: 3192 |

**Surf. Csg:** 8 5/8" 24 & 32#
**Set:** @ 3150' w/ 1800 sx cmt
**TOC** @ surf by circ

***Completion data***

acidize open hole 6610-6915 w/ 1000gal mud acid

***Subsequent Workovers***

**8-16-76** perf 6582-86, treat perfs w/ 6174-6586 w/ 10000gal 15% NE slick acid

**11-29-79** cement perfs 6174-6374 w/ 200 sxs class 'C', cement bond log shows TOC @ 3724, perf 2 holes @ 3700', broke circ out 8 5/8 csg w/ 250gal 15% acid, lost circ @ 1800#, bled off, cemented perf 3200' w/ 100 sx class 'C' TOC @ 3410', perf 2 holes @ 3350', cement through perf w/ 200 sx class 'C', tag cmt @ 3260-3365, spot 100gal acid over 3350' sqz w/ 100 sx class 'C' displaced to 3250', drill cmt 3223-3664 & 3664-6385, C/O 6515-6587, treat perfs 6449-6586 w/ 6000gal 20%

**4-1-89** drill out scale 6274-6587, acidize 6449-6586 w/ 5000gal 15% NEFE acid

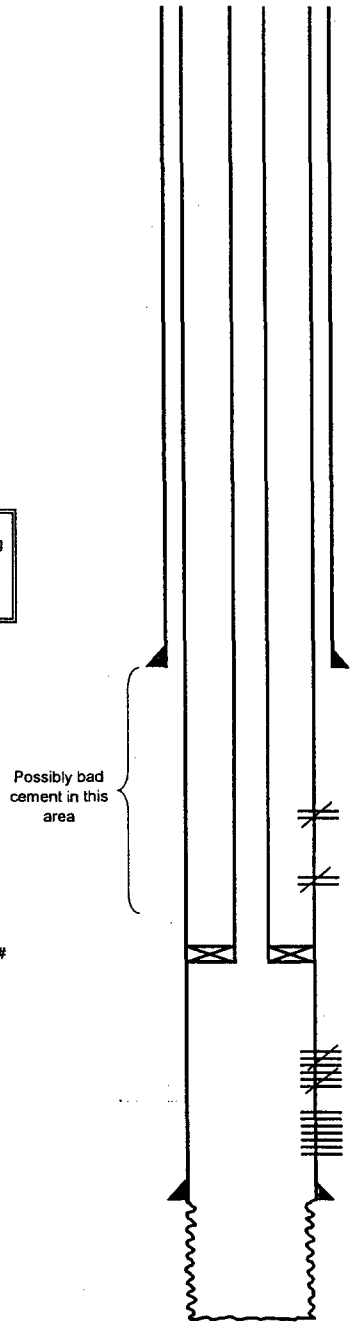
**6-18-90** swedge out 6382-6495, C/O scale 6495-6587, acidize 6449-6586 w/ 3000gal 15% NEFE acid

**11-92** clean out scale (sulfate) from 6502-6587, scale bridge 6502-6512, well kicked below bridge, circulate & clean. Acidize perfs 6449-6587 w/ 3000gal 15% NEFE, max P 1588#, min P 779#, ISIP 916#

**10-21-93** swedge out tight spot @ 6359, C/O to 6587', csg inspection log indicates hole @ 6390', acidize 6449-6587 w/ 3K gal 15% NEFE, convert to injection

***Tubing Detail***

2 3/8" cmt lined inj. tbg w/ packer set @ 6007'



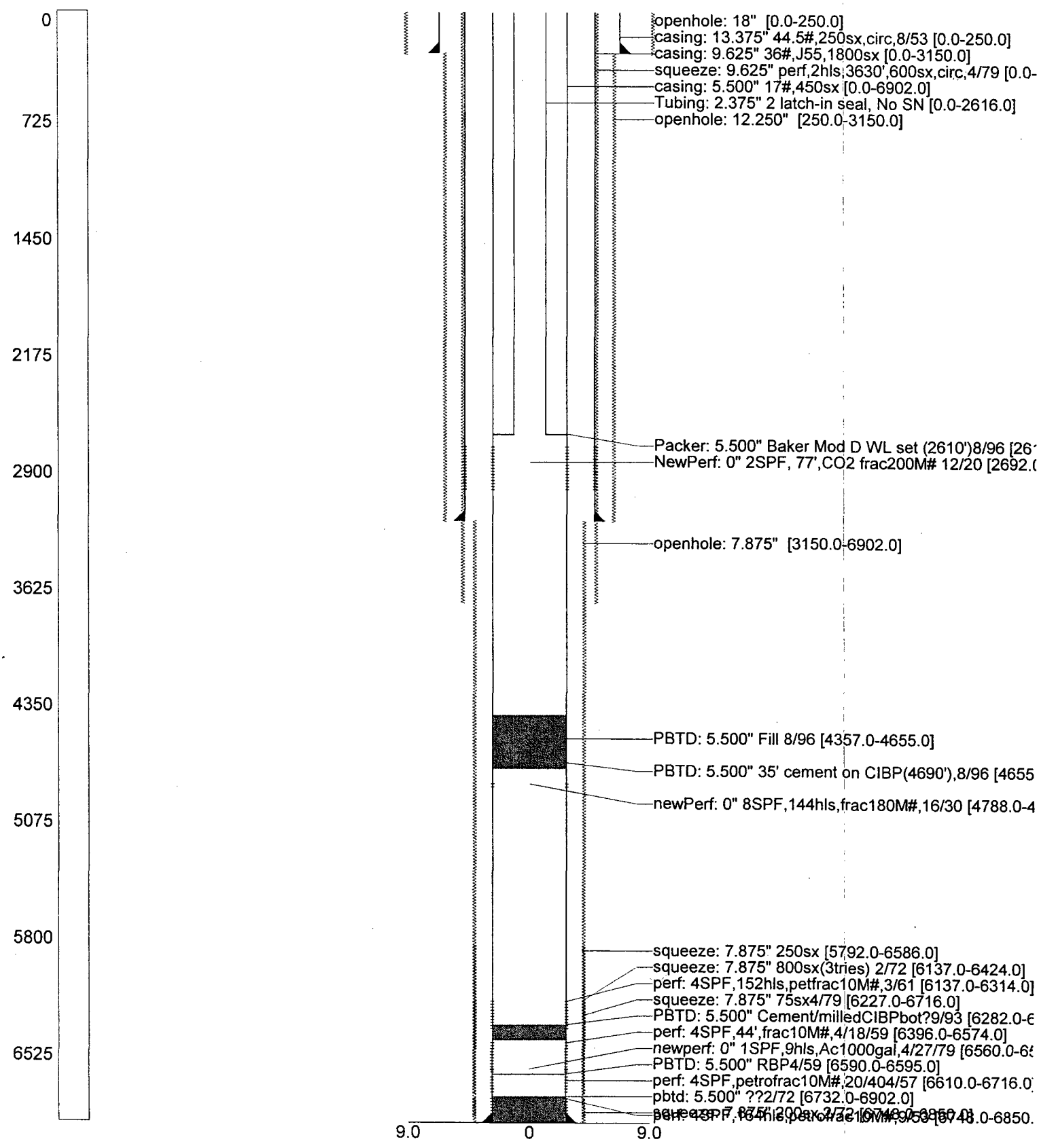

**Prod. Csg:** 5 1/2" 14 & 15.5#
**Set:** @ 6610' w/ 450 sx cmt

**NOTE:** additional perforated zones may exist – well file does not appear to be complete

**PBTD:** 6587'
**TD:** 6915

**Updated:** 7-22-02

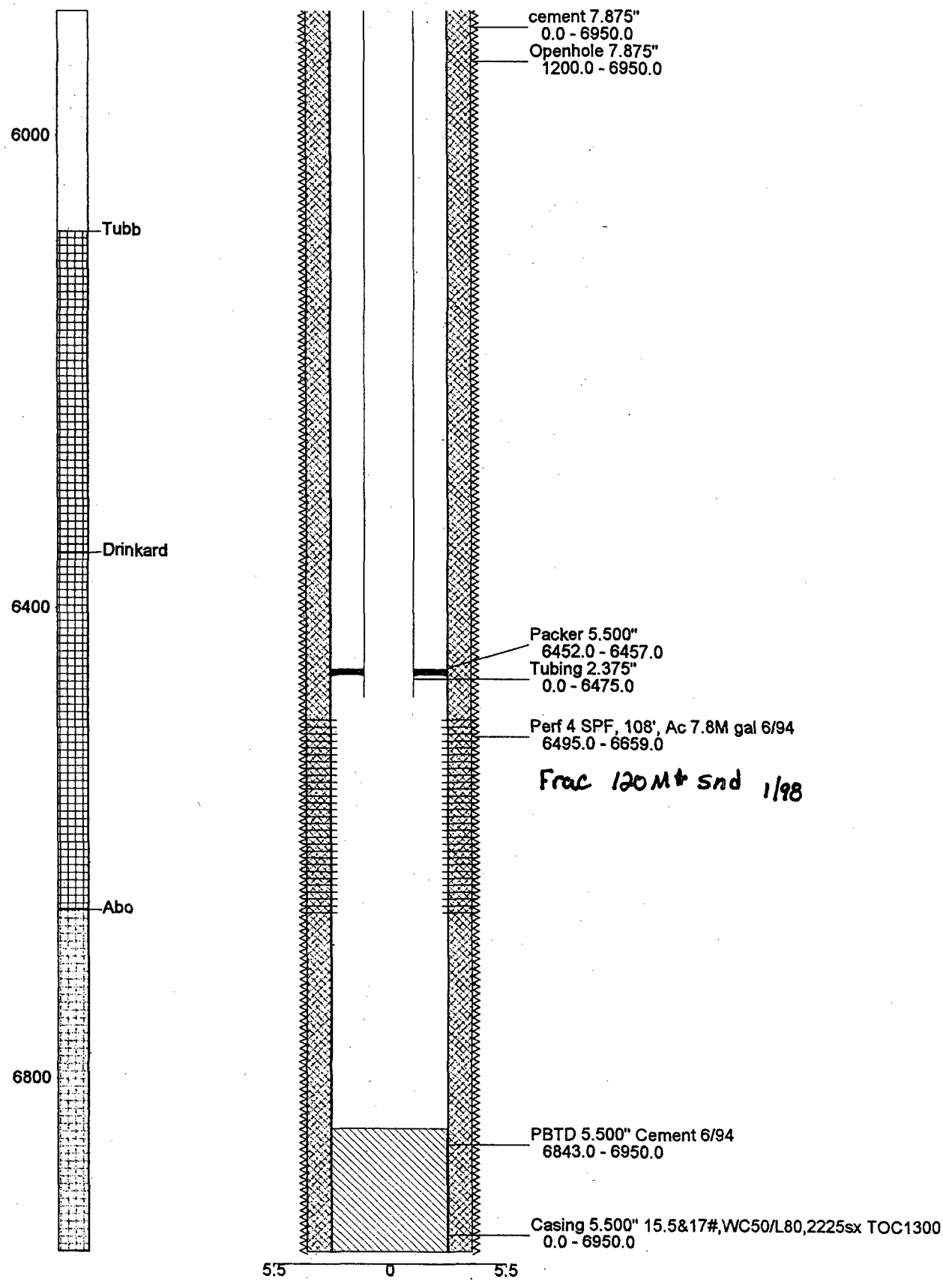
**West Dollarhide Drk # 61 API # 3002512303**
Sec. 32, T24S, R38E, Lea County, NM
Name: WDDU 61 DH ID: FB3242:0 Type: UN Date: 2/24/2003



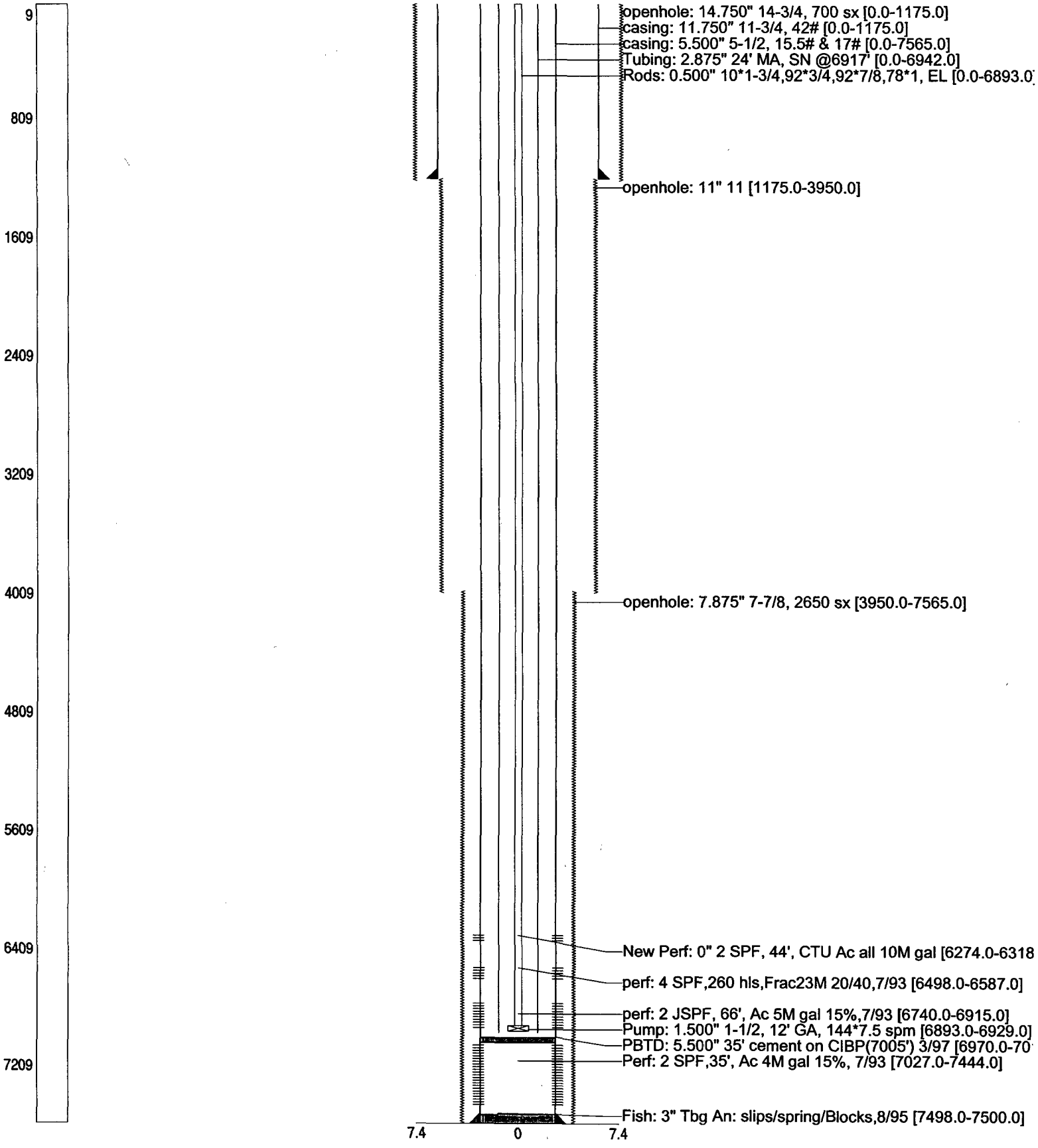
C Sec 32

WDDU #146

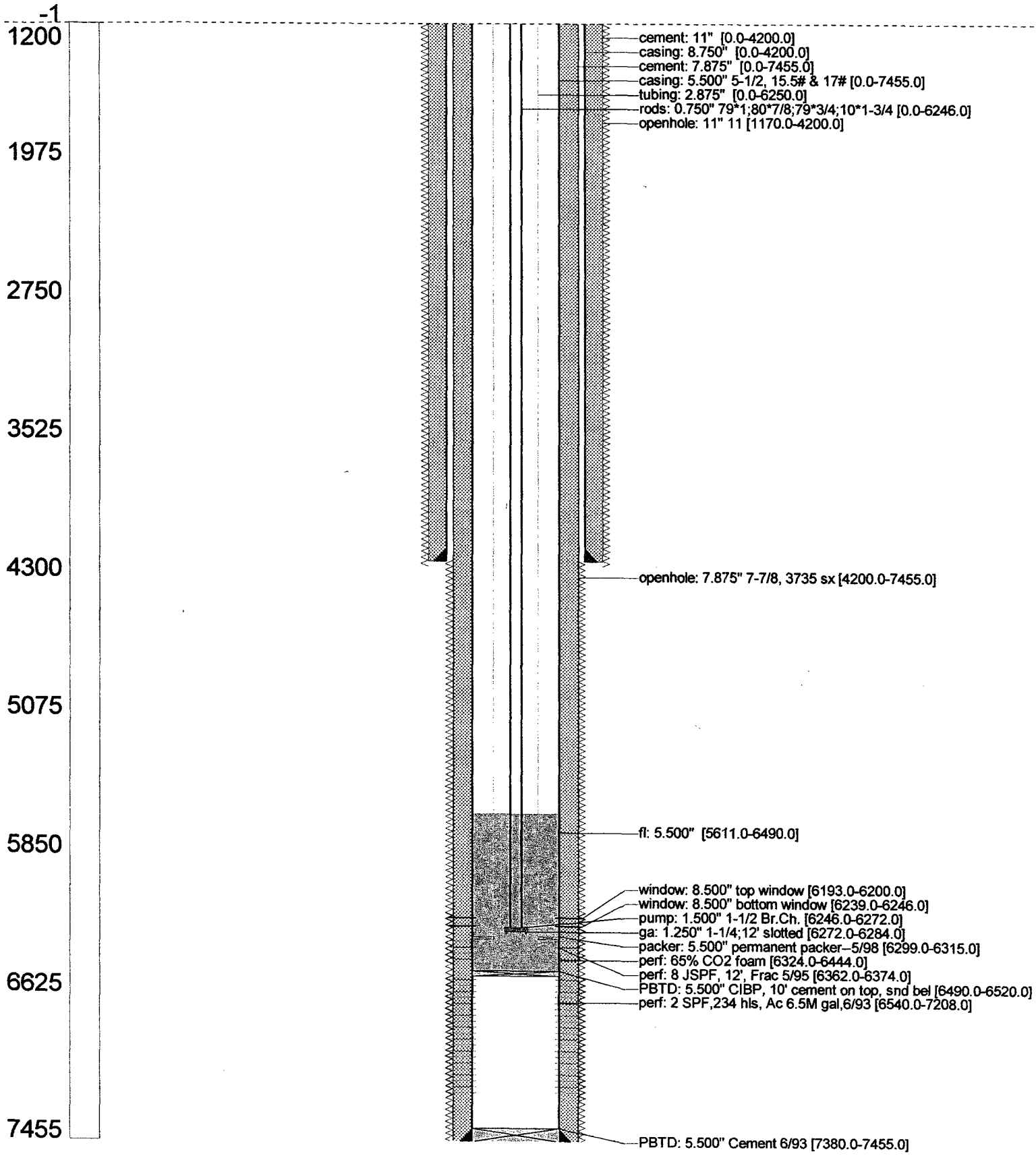
Name: 146 ID: 3002532374 Type: WINJ Date: 19990929
KB: 0.0 TD: 0.0 PBTD: 0.0 Comp Date: 0



Name: WDDU125 ID: QU2186:0 Type: PR Date: 3/9/2004

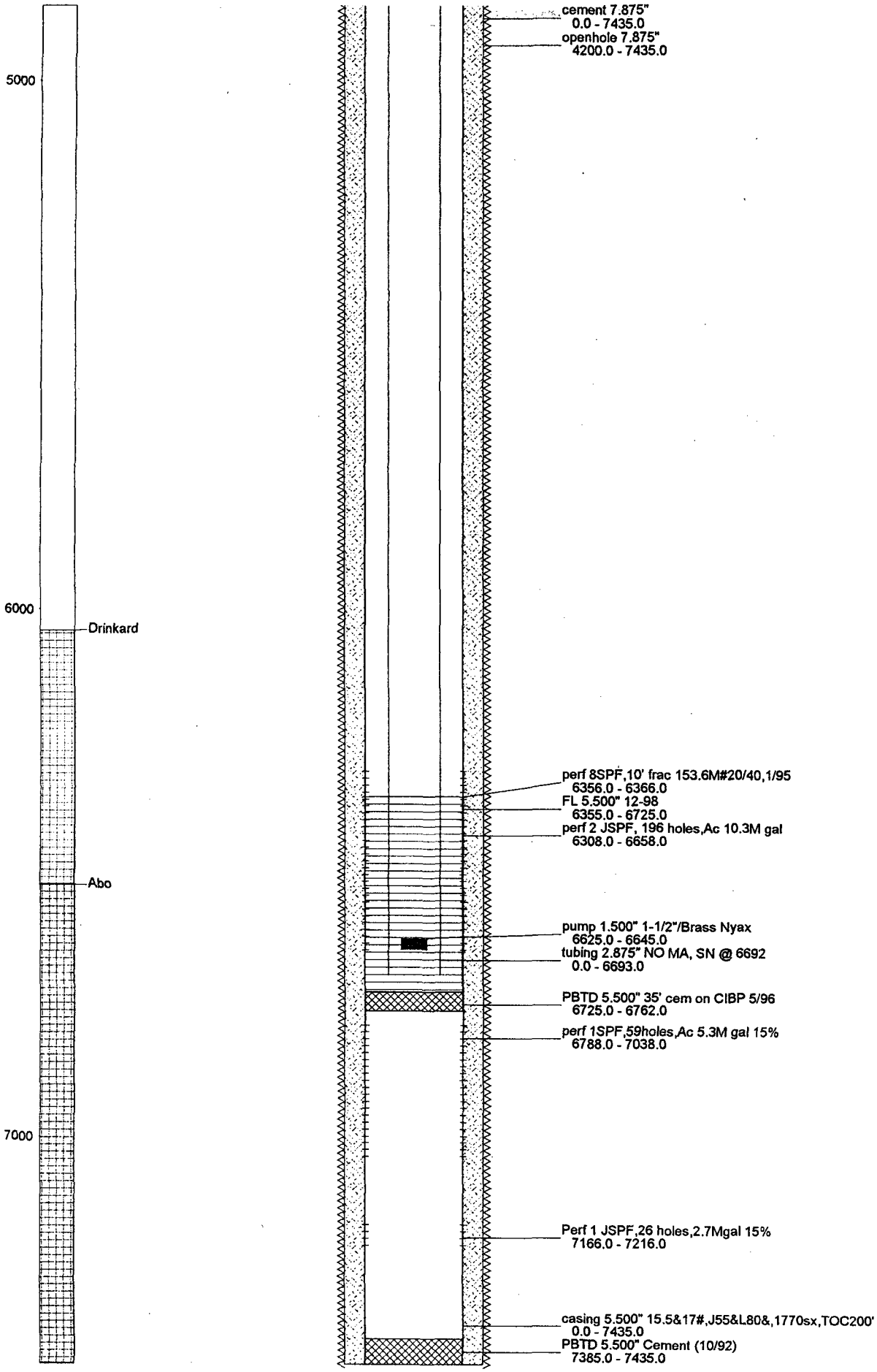


Name: WDDU 123H 028818 ID: 300253197101 Type: OI - PD Date: 2/26/01



WDDU113

Name: 113 ID: 3002531482 Type: OIL Date 817
KB: 0.0 TD: 0.0 PBTD: 0.0 Comp Date: 0



WDDU #92

Name: 92 ID: 3002530228 Type: OIL Date: 19990308
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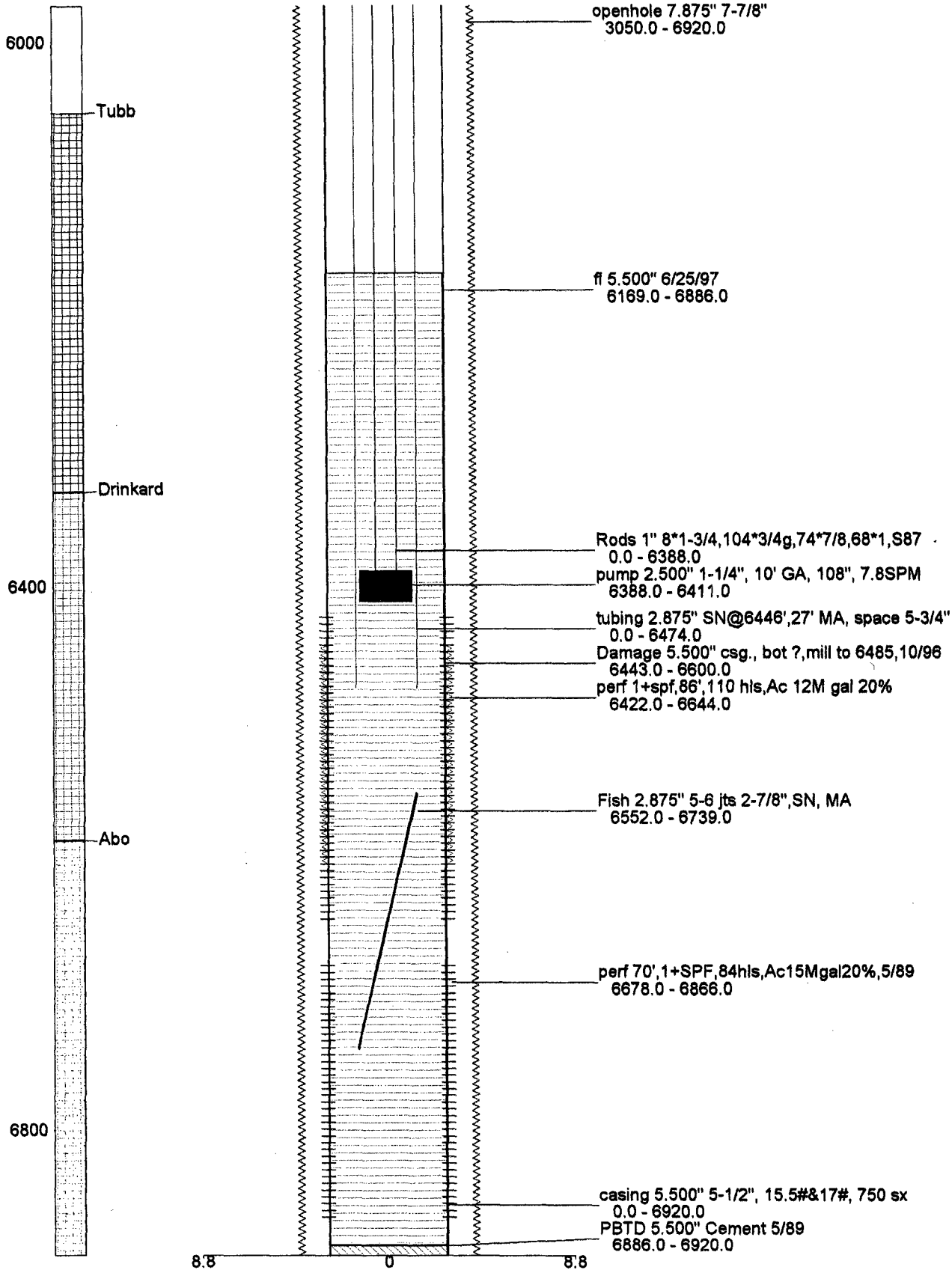
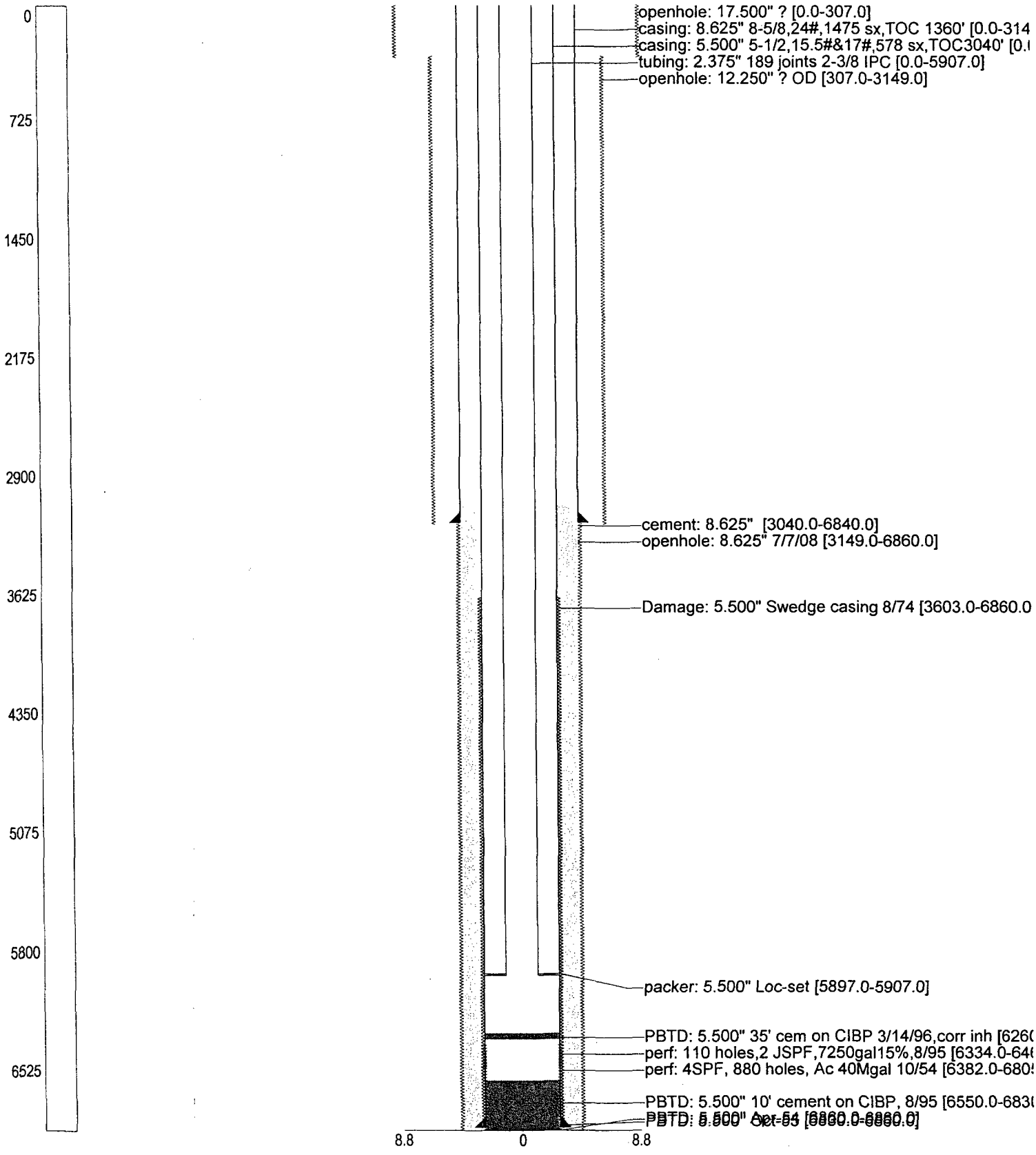


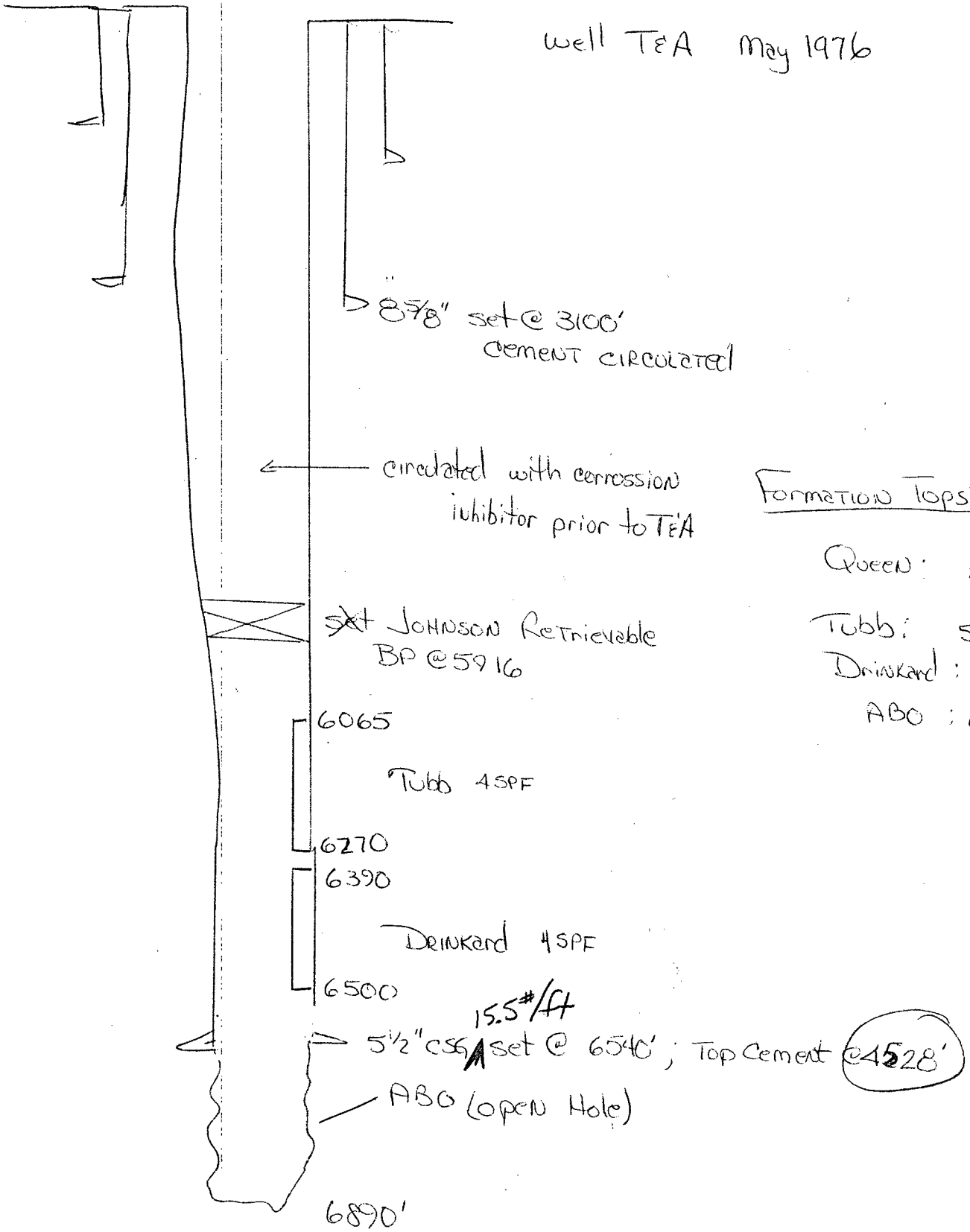
**West Dollarhide Drk # 80 API # 3002512398**
Sec. 6, T25S, R38E, Lea County, NM
Name: WDDU 80 DH ID: FB3335:0 Type: UN Date: 2/24/2003



# WELL DIAGRAM

West Dollarhide Drinkard Unit

Well No. 76




Formation Tops:

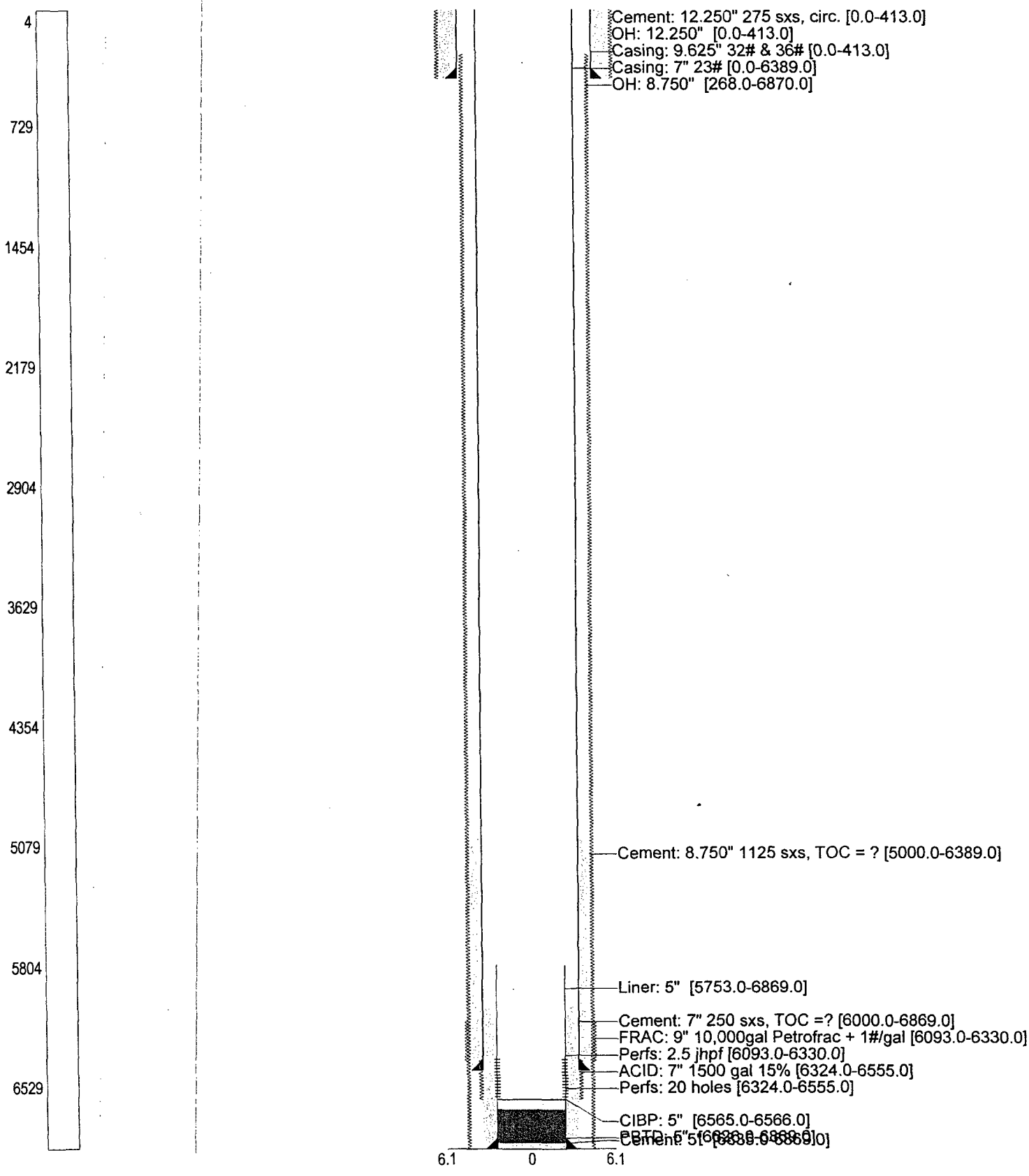
Queen: 3585'

Tubb: 5980'

Drinkard: 6282'

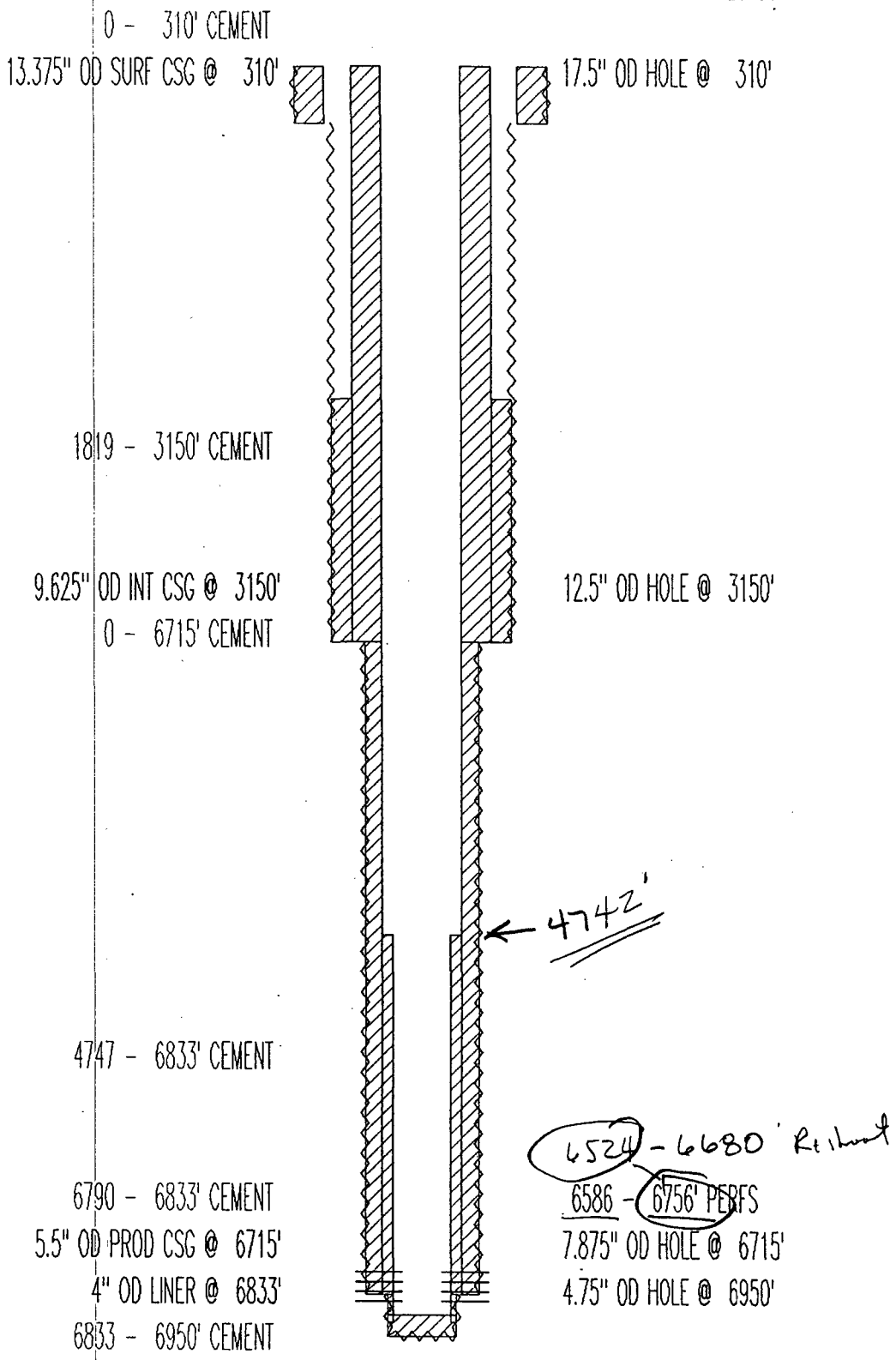
ABO: 6517'

**West Dollarhide Drk # 75 API # 3002512359**
Sec. 4, T25S, R38E, Lea County, NM
Name: WDDU 75 DH ID: FB3296:0 Type: UN Date: 2/24/2003



WDDU 43
TEXACO E&P
API # 3002512328

1980' FEL - ' FNL
32B-24S-38E
COMPLETED: 03-24-54




KB ELEV: 15'
PBTD: ~~6724~~ 6763'
TD: 6950'

# Mexico L No. 3

MEASUREMENTS 13' ABOVE G.L.

Remarks: (1) 8/76 CSG collapsed
CUT TBG @ 6208 leaving 10'
TBG & anchor catcher, ~~below collapse~~
~~CSG~~ 93' (3 JTS.) 2 7/8 TBG, 1' SN, 3' Perf sub, 31' MA
(2) CSG. collapsed @ 5425'

13 csg. set @ 260
cemented w/ 260 sxs.
Top cement @ SURF. (CALC.)

9 5/8 csg. set @ 3150
cemented w/ 1900 sxs.
Top cement @ SURF. (CALC.)

5 1/2 casing TOP – Bottom
940' 17# N-80
1996' 17# N-80
4054' 17# J-55
3211' 17# N-80

9947

Perfs Ellenburger

10,070

PBTD @ 10,100

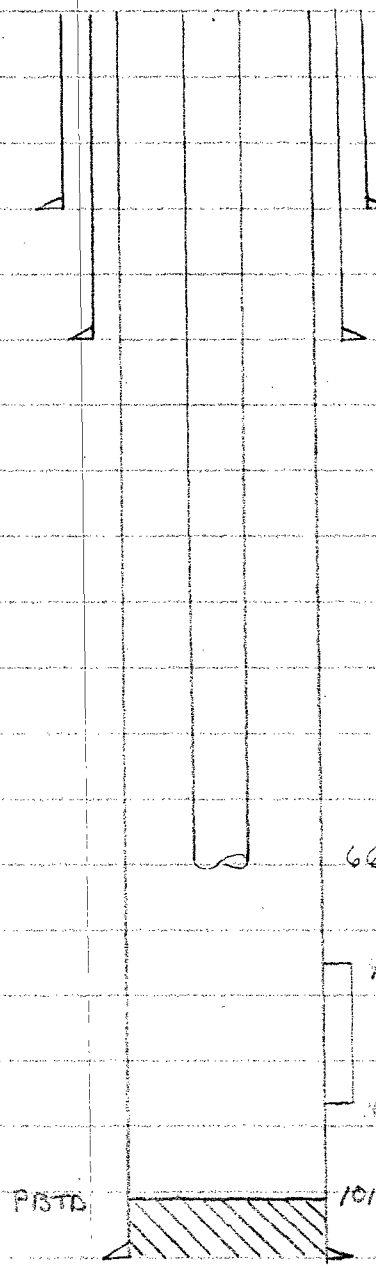
5 1/2 csg. set @ 10,215
cemented w/ 1470
Top cement @ SURF. (CALC.)

TD @ 10,215

Formation Tops:

Queen @ 3564
Tubb @ 5950
DRINKARD @ 6270
ABO @
Devonian @ 9422
Silurian @ 7613
Fusselman @ 8384
Ellenburger @ 9957

MEXICO L #4




FORMATION TOPS

QUEEN 3566

TUBB

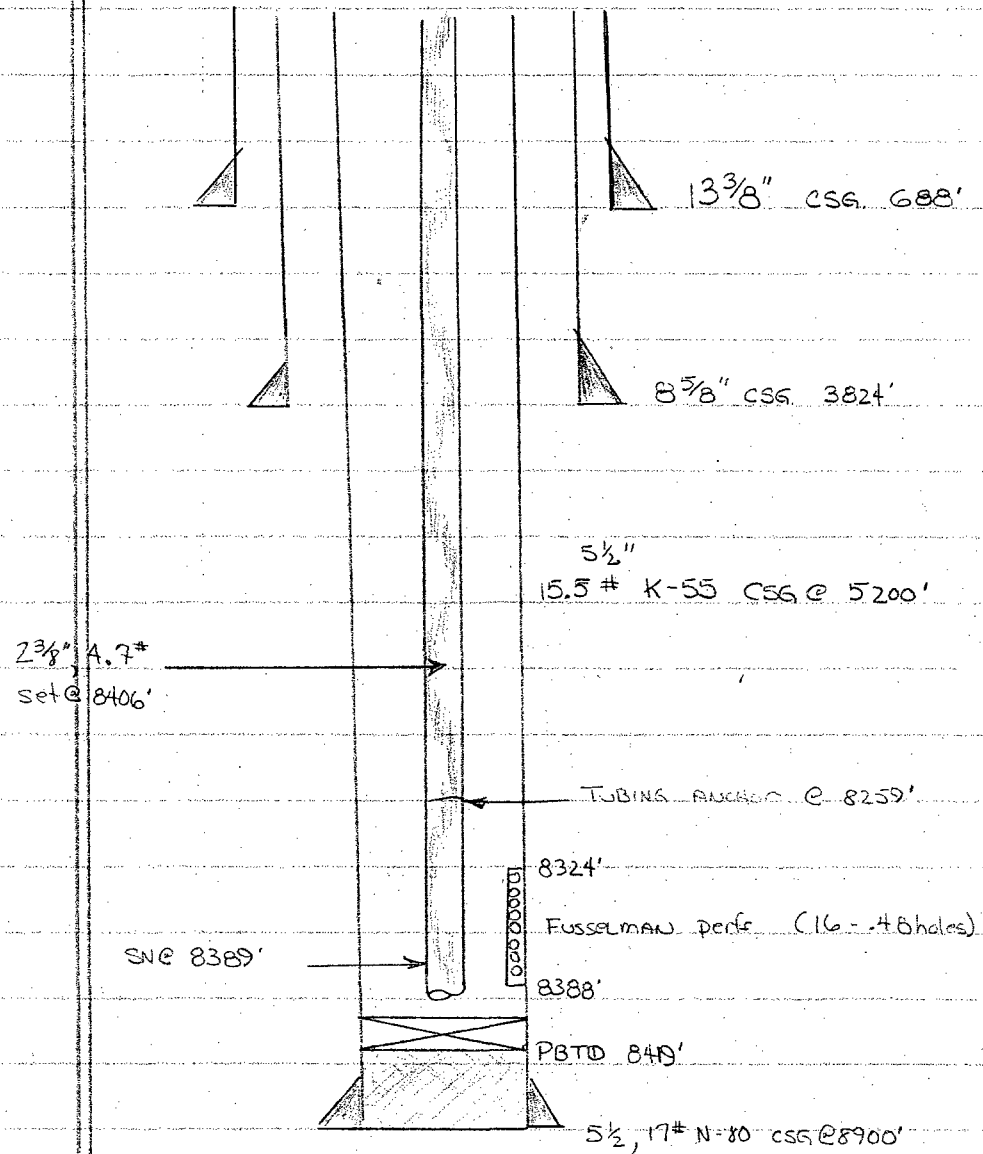
DRINKARD

ABO

FUSSELMAN 10294

CHEROKEE 10410

# Mexico L #26 Well Diagram




Perfs: 8324, 28, 31, 34, 38, 43, 45, 48, 51
53, 64, 68, 78, 80, 85 & 88 (16-.48" holes) Fusselman

measurements: 14' AGL

# WELL DATA SHEET

LEASE: West Dollarhide Devonian WELL: 105

LOC: 1650' F S L & 330' F W L SEC: 33
TOWNSHIP: 24S CNTY: Lea
RANGE: 38E UNIT: L ST: N.M.
(formerly: Gulf Oil - Harry Leonard A # 19)

FORM: Devonian DATE: 3/19/2004

GL: 3177' STATUS: TA'd Oil Well
KB: API NO: 30-025-12340
DF: CHEVNO: NA
Spud: 11-2-52
Date Completed: 3/1/53
Initial Production:
Initial Formation: Fusselman
FROM: 8705' - 8764'

13" OD
CSG
Set @ 282' W/ 325 SX
Cmt circ.? Yes
TOC @ Surface
17-1/2" hole

8-5/8" OD
28# CSG H-40
Set @ 2900' W/ 1450 SX
Cmt circ.? No
TOC @ 1335' by TS
11" hole

RBP @ 2850'

Perfs:

DO CICR @ 3497'
T w/100 sx cmt

DO Cmt Retainer
3497'

DO CIBP Top w/100 sx
cmt @ 3500'

DO Cmt Retainer
3527'

DO Cmt Retainer
3690'

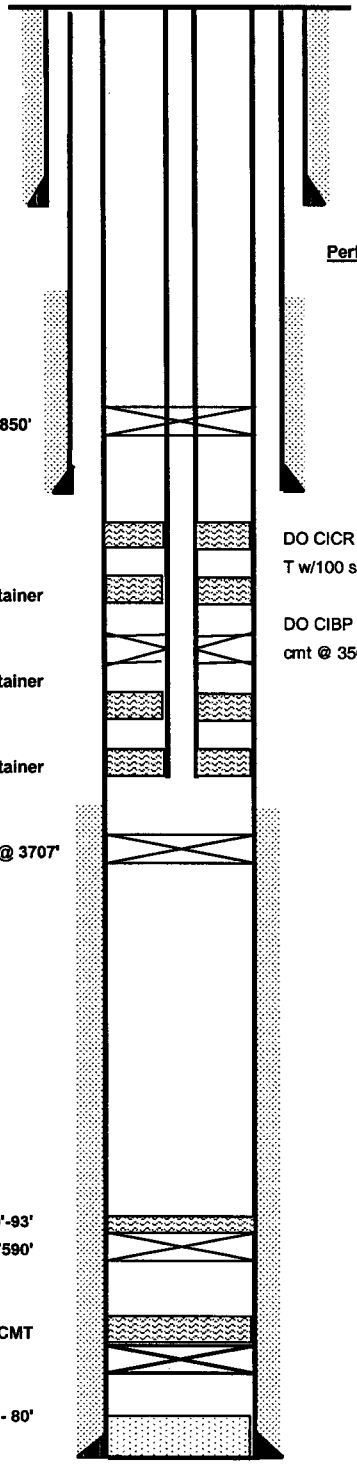
RBP @ 3707'

5-1/2" OD
14-15-17# CSG
Set @ 8779' W/ 500 SX
Cmt circ.? No
TOC @ 5358' by TS
7-7/8" hole

CMT plug 7590'-93'
RBP @ 7590'

CIBP 8620'-8630' 2 SX CMT

Cmt 8764' - 80'



## Completion Data

Dollarhide West Fusselman

## Subsequent Workover or Reconditioning:

**1/10/53** Cmt 8764'-80'
**7/8/60** CIBP @ 8620'-8630' 2 sx cmt. Cmt plug 7590'-93'
**12/1/91** RBP @ 7590'
**12/5/91** RBP @ 3707'
**12/6/91** RBP @ 2850'
Well TA'd.

**Additional Data:**
T/Yates @ 2765'
T/Tubb @ 6125'
T/Devonian @ 7695'
T/Silurian-Fusselman @ 8705'

PBTD: 8764'
TD: 8780'

printed: 4/21/2004

**WELL DATA SHEET**

**FIELD:**
LOC: 990' FSL & 990' FWL
TOWNSHIP: 24S
RANGE: 38E

**WELL NAME: Mexico "J" # 26**
SEC: 32
COUNTY: Lea
STATE: NM

GL: 3139'
KB:
DF to GL:

**FORMATION:**
CURRENT STATUS:
API NO: 30-025-262523
Chevno:

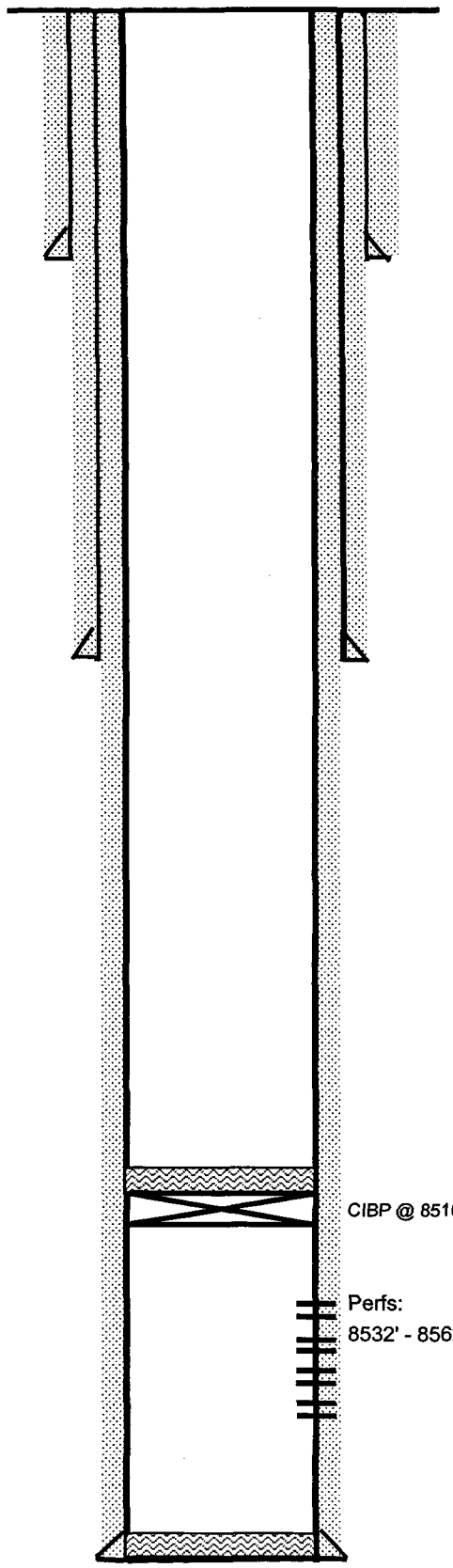
Spud : 12-4-79

| | |
|---|---|
| Date Completed: 1/19/1980 | Initial: Production |
| Initial Formation: Fusselman | 130 BOPD, 48 MCF |
| FROM: 8532' TO: 8562' | 44 BWPD |

13-3/8" OD, 48# Csg
Set @ 695' w/850 sx cmt.
Circ Cmt to Surface
17-1/2" hole

8-5/8" OD 24 & 32#, Csg
Set @ 3948' w/1400 sx
Circ Cmt to Surface
**11" hole**

5-1/2" OD Csg
Set @ 3595' w/200 sx cmt.
Circ Cmt to Surface
7-7/8" hole




**PBTD @ 8630'**
**Orig TD @ 8750'**

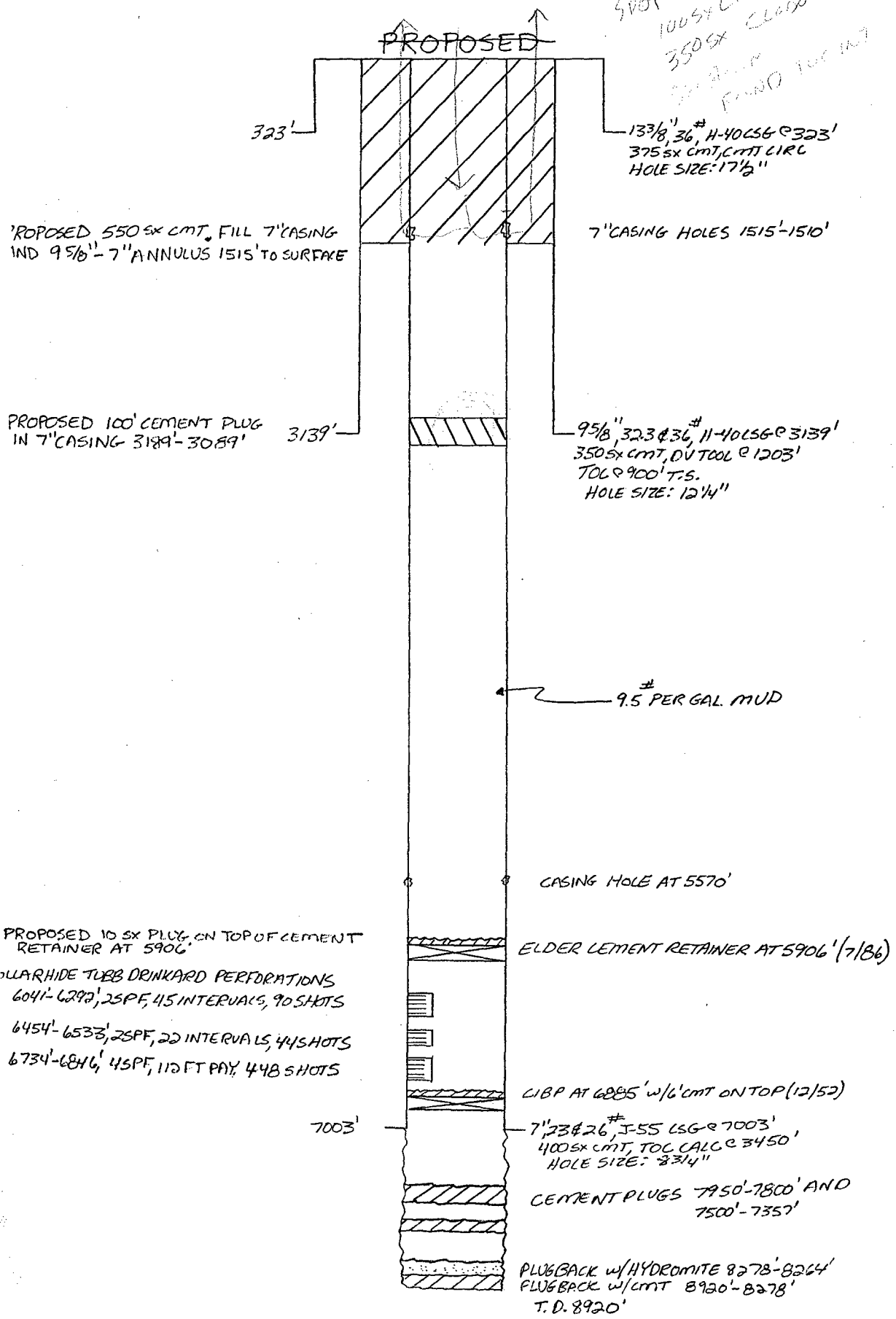
**Completion data:**
Spud 12-4-79, Completed 1-19-80
8532'-8562' - 1 SPF - 23 (.50) holes
1000 gals 15% NE & 32 Ball sealers,
2000 gals 15% SA-2 & 46 ball sealers

**Subsequent Workover or Reconditioning:**
**7-6-92** Pull tbg, CO csg to 8530'. Set CIBP @ 8510', spot 50' cmt by bailer, PBTD @ 8460', Tst OK, Well TA'd.
**8-8-01** TA extension requested.

**Additional Data:**
T/Yates @ 2645'
T/Queen @ 3568'
T/San Andres @ 3948'
T/Tubb @ 6018'
T/Drk @ 6300'
T/Devonian @ 7449'
T/Fusselman @ 8457'

FILE: C-108 Mexico J 26_
Created by chay 5-3-04

WEST DOLLARHIDE DRINKARD UNIT WELL NO. 52
UNIT LETTER E, 1980' FNL & 660' FWL, SECT 32, T-24S, R-38E
LEA COUNTY, NEW MEXICO
D.F. 3168' ALL MEASUREMENTS
G.L. 3154'



PO-113
(5/91)

WELL FILE

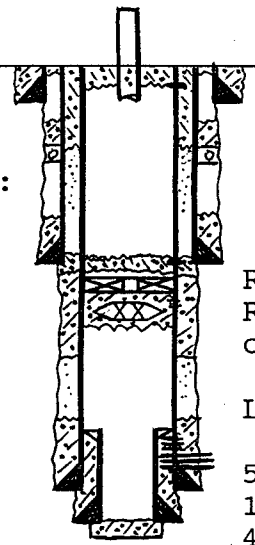
# WELL DATA SHEET

**OPERATOR:** Texaco Producing Inc. **Lease:** West Dollarhide Drinkard Unit #53

**FOOTAGE LOCATION:** 2310 FNLx1980 FEL **Sec./Twn/Rng:** Unit F, Sec 32, T-24-S, R-38-E

Plugged 14-08-83, Collapsed casing and lost RBP. Lea County, New Mexico

## SCHEMATIC



Gr 3181' DF
302' 13 3/8", 36#, 290 sx
.
1209' DV Tool
PLUGS: 233 sx, 325'-surface
. 40 sx, 2692'-3197'
3150' 9 5/8", 28,32#, 350 sx
3585' Retainer, 500 sx
4221' RBP lost in hole, collapsed casing.
.
.
5746' Liner Top
.
6641' 5 1/2", 14,15.5#,
6781' 125 sx, TOC 5689'
6912' 4", 11.34#, 200 sx.
.
.
*** 325 sx pumped down 8 5/8"- 5 1/2"
. annulus to shut off water flow.
. (3/74)

Tops:

| | |
|---|---|
| Queen | 3630' |
| Tubb | 6115' |
| Drinkard | 6425' |
| Abo | 6614' |

## TABULAR DATA

Surface Casing: Set at 302

Size 13 3/8, 36# Cemented with 290 sx.

TOC surface ' determined by circulation

Hole Size 17 1/2" Comp. Date 11-30-54

Intermediate casing: Set at 3150'

Size 9 5/8, 32,36# Cemented with 200+150 sx.

TOC 2668, 788 ' determined by calc, 80%

Hole Size 12 1/4", RBP lost at 4221'

Production Casing: Set at 6641'

Size 5 1/2",17/20# Cemented with 125 sx.

TOC 5689' ' determined by calculated

Hole Size 8 3/4", 4", 11.34# liner @ 6781'

Completion Interval(s):

6155 ' to 6372 ' Perfs: Squeezed, 750 sx
6478 ' to 6650 ' Perfs: Current Completion
' to ' Perfs:
**** 4050 ' to 5535 ' : Bad casing, milled

RTM: 5-18-91

PO-113
(6/93)

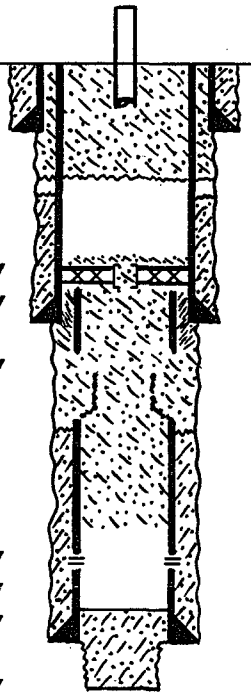
# P&A WELL DATA SHEET

**OPERATOR:** Texaco Exploration & Production Inc **WELL:** West Dollarhide Drinkard Unit #54

**FOOTAGE LOCATION:** 1980 FNL,1980 FEL **Sec./Twn/Rng:** Unit G, Sec 32, T-24-S, R-38-E

Redrill replacement for WDDU #54 P&A producer. Lea County, New Mexico

## SCHEMATIC



Gr 3130' GL

318' 13-3/8", 36#, 290 sx, cement circ.

648' 600 sx plug to surface

2866' retainer, 400 sx

3145' 9-5/8", 34#, 350 sx, TOC @ 950', T.S.

3436' casing stub, 335'of 7" casing stuck in shoe, collapsed casing below

6175' T/ Tubb-Drinkard perfs

7097' PBTD

7203' 7", 23#, 475 sx, TOC @ 3825', T.S.

7956' TD-open hole

Tops:

| | |
|---|---|
| Salt | 1300'-2550' |
| Queen | 3600' |
| Tubb | 6115' |
| Drinkard | 6387' |
| Abo | 6630' |

## TABULAR DATA

Surface Casing: Set at: 318'

Size 13-3/8, 36# Cemented with 290 sx.

TOC surface ' determined by circulation

Hole Size 14-3/4" Comp. Date 5-27-53

Intermediate casing: Set at: 3145'

Size 9-5/8", 34# Cemented with 350 sx.

TOC 950 ' determined by temp. surv.

Hole Size 12-1/4"

Production Casing: Set at: 7203'

Size 7", 23# Cemented with 475 sx.

TOC 3825' ' determined by temp. surv.

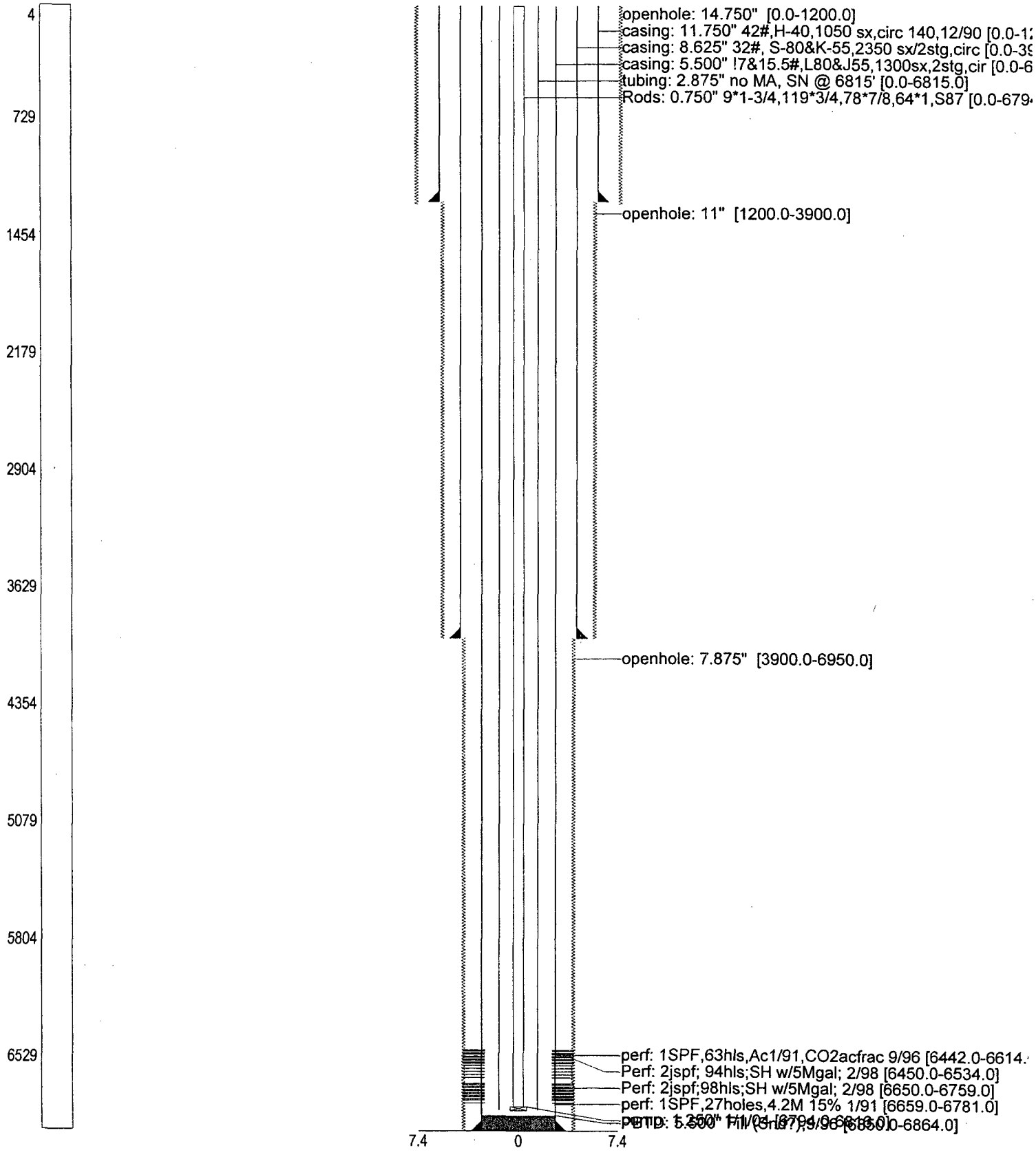
Hole Size ?

Producing Interval:

6175 ' to 6916 ' through: perforations

Tubing:

**West Dollarhide Drk # 102 API # 3002530824**
Active Oil Well, Sec. 32 T25S, R38E, Lea County, NM
Name: WDDU102 ID: KZ1045:0 Type: PR Date: 2/24/2003



**P&A WELL DATA SHEET**

**FIELD: Drinkard** | **WELL NAME: West Dollarhide Drinkard Unit # 62** | **FORMATION: Drinkard Oil**

LOC: 1980' FSL & 1980' FWL | SEC: 32 | GE: 3164' | CURRENT STATUS: Oil well, P&A'd

TOWNSHIP: 24S | COUNTY: Lea | KB: | API NO: 30-025-12304

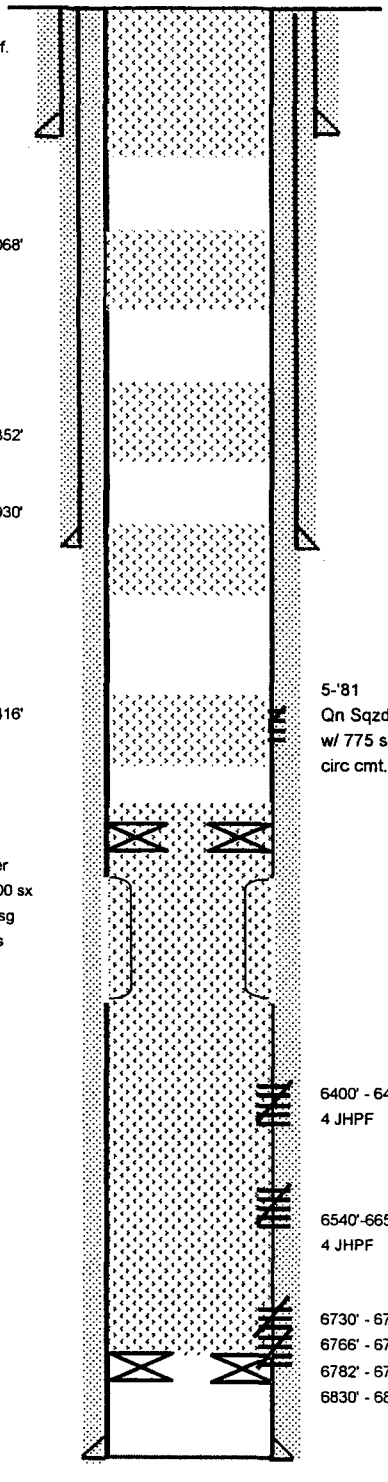
RANGE: 38E | STATE: NM | DF: | CHEVNO: FB3243

Unit Letter: K

**P&A Well Data**

Spud: 8-6-53; TD: ; Compl: 9-13-53

| | |
|---|---|
| initial completion date: 9-13-53 | Initial: Production |
| Initial Formation: Drinkard | 934 BOPD |
| FROM: 6730' TO: 6840' | 0 BWPD |




**Completion data:**

Originally Mexican "J" # 10
Formation - Drinkard
Acdz through 5-1/2" csg perforations 6730'-6840' w/ 500 gals mud acid. After trt, flowed 934 BOPD thru 3/4" choke.

**Subsequent Workover or Reconditioning:**

**11-17-55** Acid-Petro Frac, 10,000 gals acid - Petrofrac w/1# sd per gal.

**1958** Perf 4 JHPF, 152 shots total. Acdz w/500 gals mud acid , 6540'-6653'.

**1959** Perf 4 JHPF, 148 shots. Acdz w/13,650 gals Lse oil, 6800# sand 600# Adomite, 6400' to 6490'.

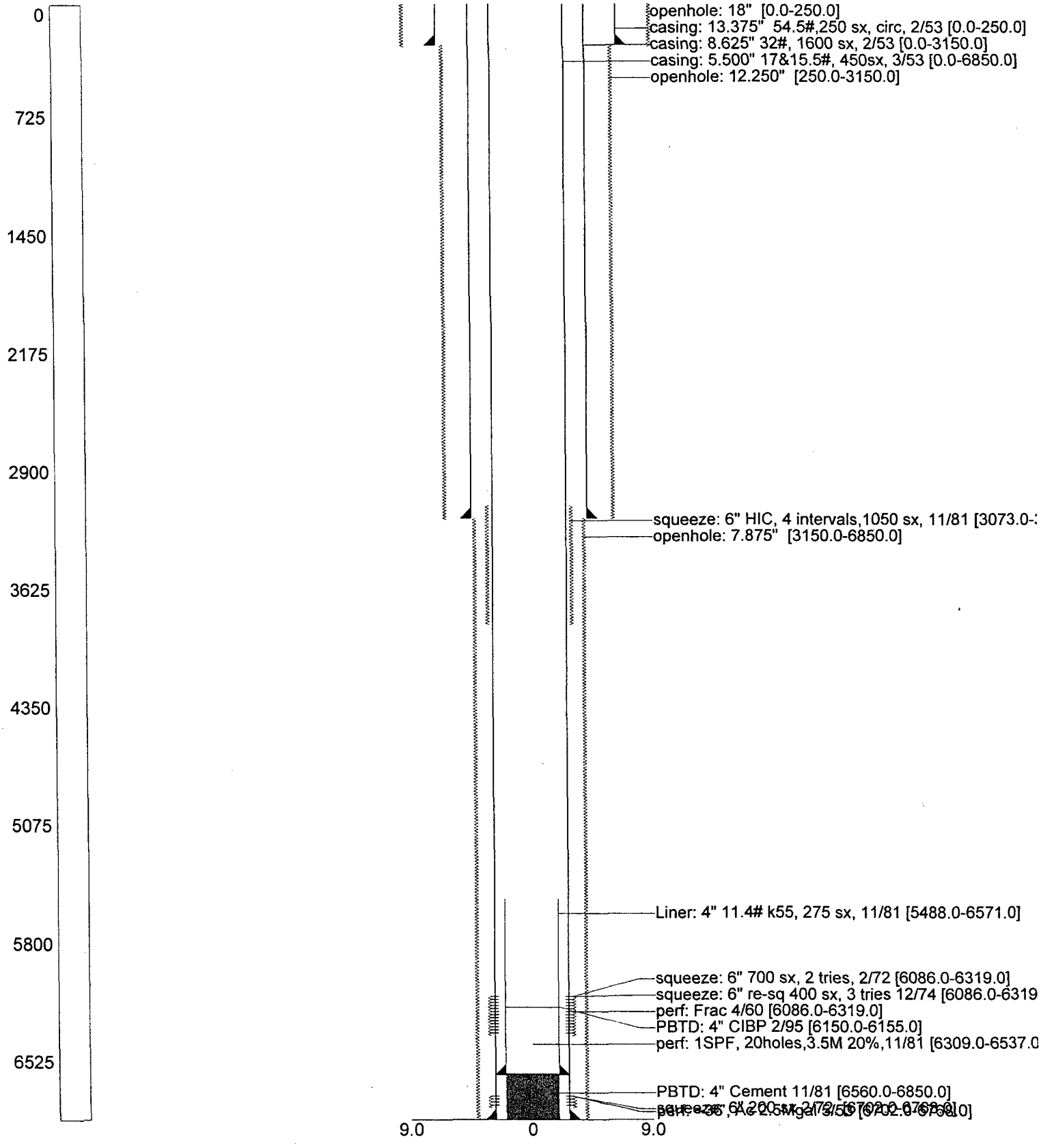
**8-16-92** 2-7/8" tbg & anchor stuck @ 5845', chem cut tbg @ 5830', pull free tbg. Counld not retrieve fish, rec'd OCD verbal, to set cmt ret above 5830'. Set pkr @ 5803', pmp 120 sx cl H, fail'd to pmp all of flush. Pull out of retainer, rev out 88 sx, set 225' cmt below ret w/63' cmt on top of ret. Contact NMOCD of cmt placement, load csg w/inhibited wtr, tst to 500#, held OK. Request TA status.

**2-6-98** MIRU, tag plug @ 5687'. Circ hole w/mud laiden fl., Spot 25 sx cmt @ 3663' to 3416'. Spot 25 sx cmt @ 3194', tag plug @ 2930'. Spot 25 sx cmt from 2399' to 2352'. Spot 25 sx cmt from 1315' to 1068'. Circ 40 sx cmt from 313', to surface. Dig out cellar & cut off wellhead, built dry hole marker & set. Cut off anchors cov'd cellar & cleaned location. Well P&A'd.

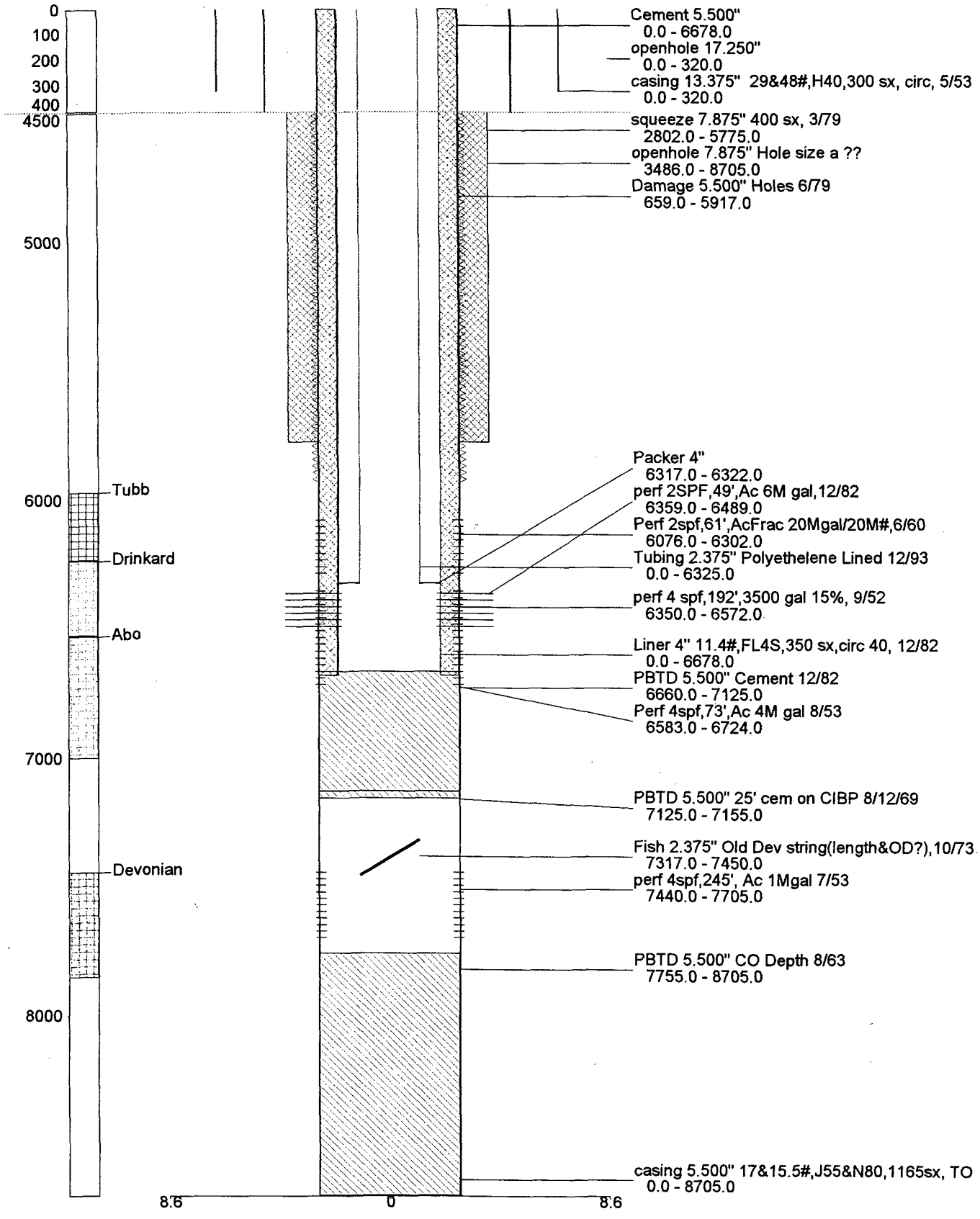
Additional Data:
Salt 1192' to 2535'
T of Queen @ 3607' - Sqzd
T of Tubb @ 6024'
T of Drk @ 6300'
T of Abo @ 6540'

FILE: WDDU 62WB.XLS
chay 2-17-03

**West Dollarhide Drk # 63 API # 3002512299**
Sec. 32, T24S, R38E, Lea County, NM
Name: WDDU 63 DH ID: FB3240:0 Type: UN Date: 2/24/2003



WDDU #64
Injector Leaking 12/9/96
Name: 64 ID: 3002512286 Type: WINJ Date: 19961210
KB: 0.0 TD: 0.0 PBTD: 0.0 Comp Date: 0



PO-108

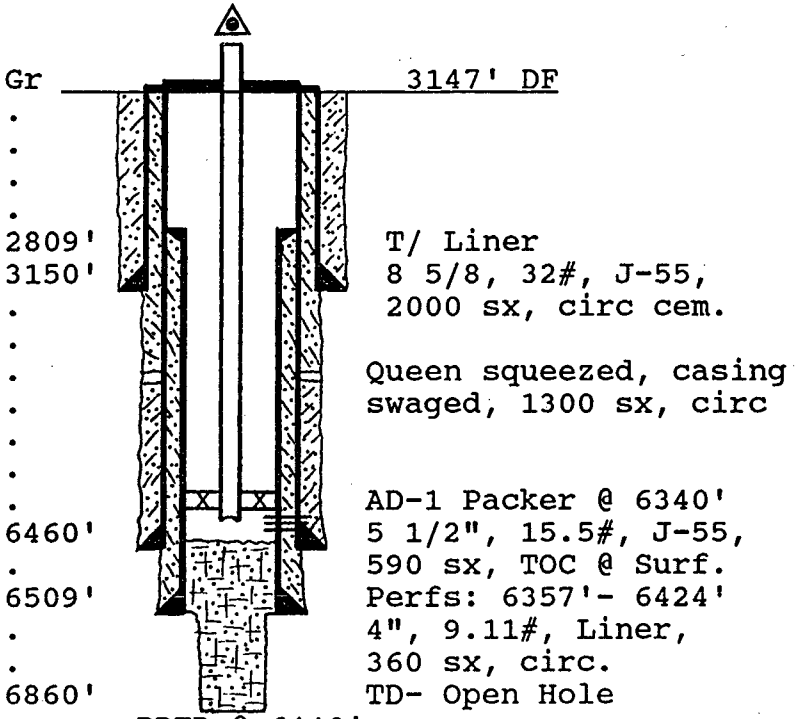
# INJECTION WELL DATA SHEET

**OPERATOR:** Texaco Exploration & Production Inc. **LEASE:** West Dollarhide Drinkard Unit

**WELL NO.:** 68 **FOOTAGE LOCATION:** 660 FSL, 660 FWL **Sec./Twn/Rng:** M, 32,T24S,R38E

Proposed conversion of former Mexico J #21 to injection. Lea County, New Mexico

## SCHEMATIC




Estimated Tops:

| | |
|---|---|
| Salt | 1235'-2447' |
| Queen | 3560' |
| Tubbs | 5950' |
| Drinkard | 6287' |

## TABULAR DATA

Surface Casing: Set at: 3150'

Size 8 5/8, 32# Cemented with 2000 sx.

TOC surface ' determined by circulated

Hole Size 11" Comp. Date 4-21-54

Intermediate casing: Set at: _____

Size _____ Cemented with _____sx.

TOC _____ ' determined by _____

Hole Size Queen squeezed 150 sx, 600 sx

Production Casing: Set at: 6460'

Size 5 1/2,15.5# Cemented with 450 sx.

TOC 3725/surf. ' determined by sqz-circ.

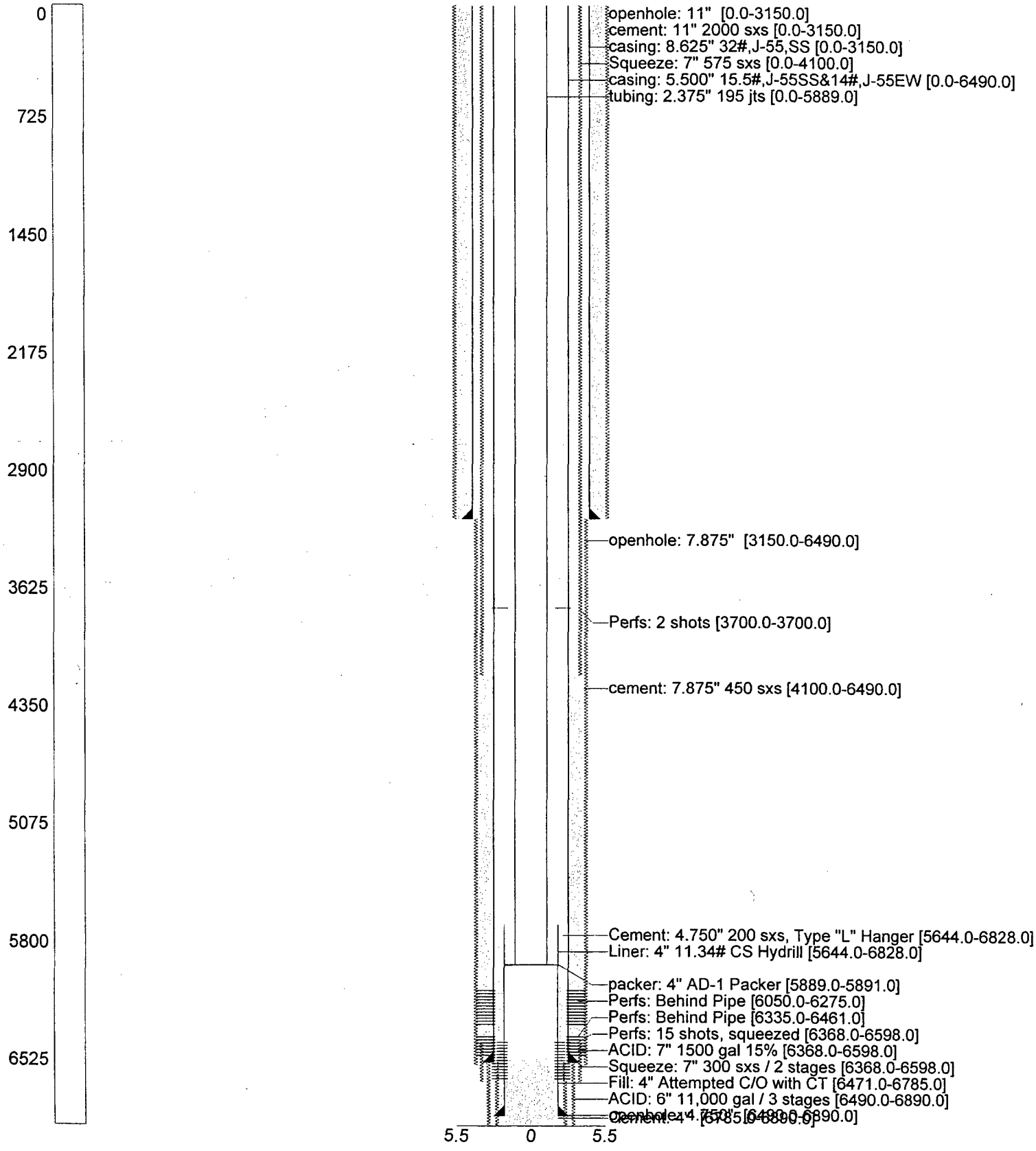
Hole Size 7 7/8, 4" Liner run 3/79, 650 sx.

Injection Interval:

6357 ' to 6424 ' through: Perforations

Tubing: 2 3/8", 4.7#, J-55, IPC, 2000# WP

**West Dollarhide Drk # 69 API # 3002512298**
Sec. 32, T24S, R38E, Lea County, NM
Name: WDDU 69 DH ID: FB3253:0 Type: UN Date: 2/24/2003



# P&A WELL DATA SHEET

**FIELD: Drinkard**
LOC: 2130' FEL & 510' FSL
TOWNSHIP: 24S
RANGE: 38E
Unit Letter: O

**WELL NAME: West Dollarhide Drinkard Unit # 70**
SEC: 32
COUNTY: Lea
STATE: NM

GE:
KB:
DF: 3166'

**FORMATION: Drinkard Oil**
CURRENT STATUS:P&A'd
API NO: 30-025-12313
CHEVNO: FB3252

**P&A Well Data**

Spud: 4-7-54; TD: ; Compl: 5-21-54

| | |
|---|---|
| initial completion date: 5-21-54 | Initial: Production |
| Initial Formation: Drinkard | 205 BOPD |
| FROM: 6313' TO: 6453' | 0 BWPD |

8-5/8" OD, 32 & 24#, J-55
Set @ 3150' w/ 2000 sx
Circ Cmt to surface
**11' hole**

**Completion data:**
Formation - Drinkard
Acdz w/total of 9000 gals M-38 acid, from 6385' to 6870'.

**Subsequent Workover or Reconditioning:**

**3-20-92** Tag 4" ln top @ 5604'. Dump 50' cmt plug on ret, set pkr @ 5577', set CIPB @ 5575' cap w/ 50' cmt. Well TA'd.

**2-3-98** Tag plug @ 5460', circ w/mud fl. Spot 25 sx cmt @ 3632' to 3385'. Spot 25 sx cmt @ 3194, tag @ 2945'. Spot 25 sx cmt @ 2536' to 2289'. Spot 25 sx cmt @ 1315' to 1068'. Circ 40 sx cmt @ 345 to surf. Cut off wellhead, set Dry Hole Marker, Well P&A'd.

TOC by bond log
@ 3830'

CIBP @ 5575'

*Liner 5604' to 6678'*
4" Liner, 11.34# set @ 6678'
Set @ 6678' w/150 sx to surf.
**Completion Interval:**
6057'-6273' Sqzd Tubb
6366'-6596' DRK
6366'-6468' P/B Drk
6500'-6900 P/B Drk & Abo

5-1/2" OD, 15.5#, J-55
csg @ 6500' w/450 sks cmt
No cmt circ to surf.
TOC @ 3830 by TS
7-7/8" hole

**Liner Side Tracked @ 6345'**

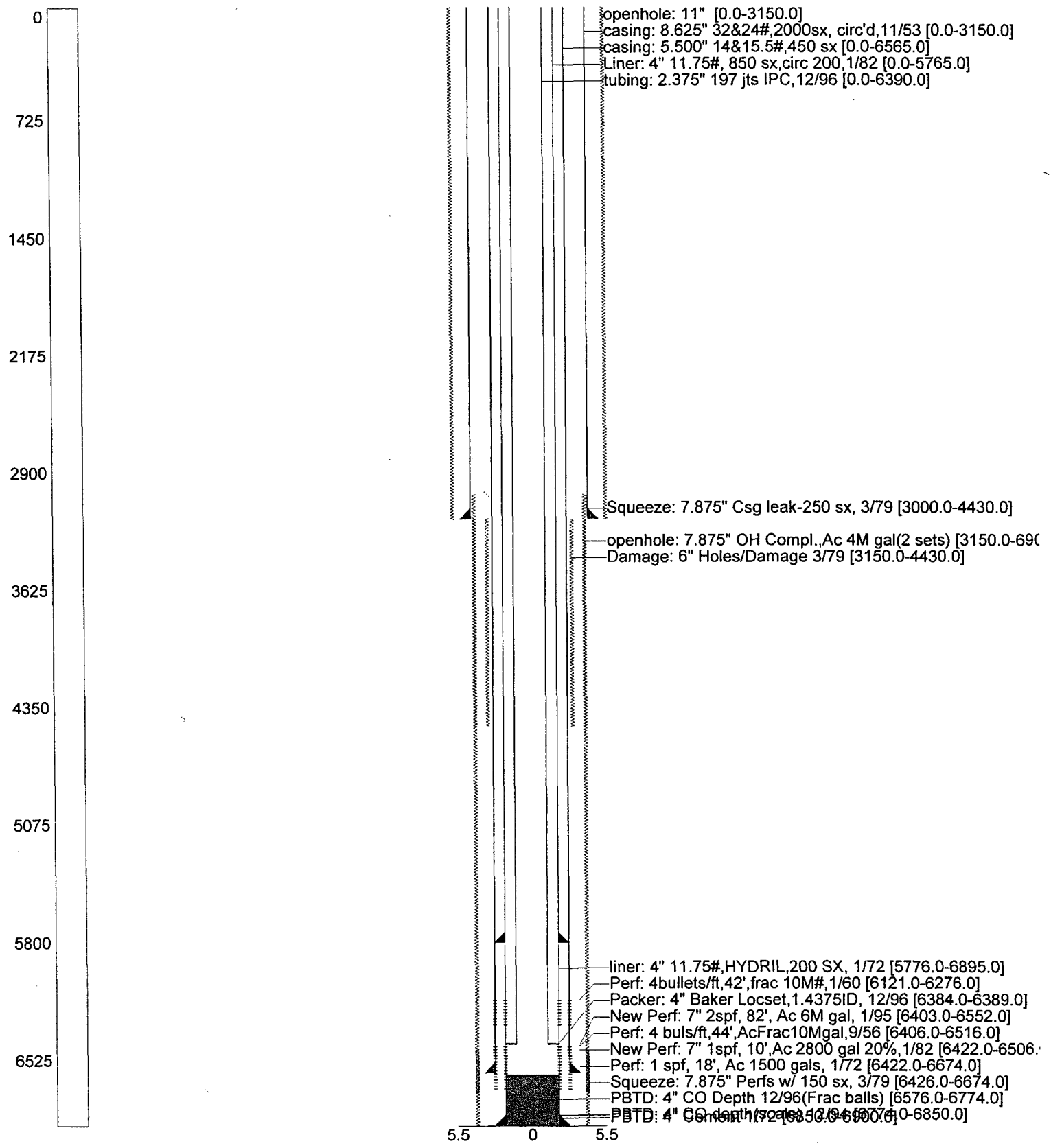
**4-3/4" OH to 6900'**

***Fish in Liner, OH***

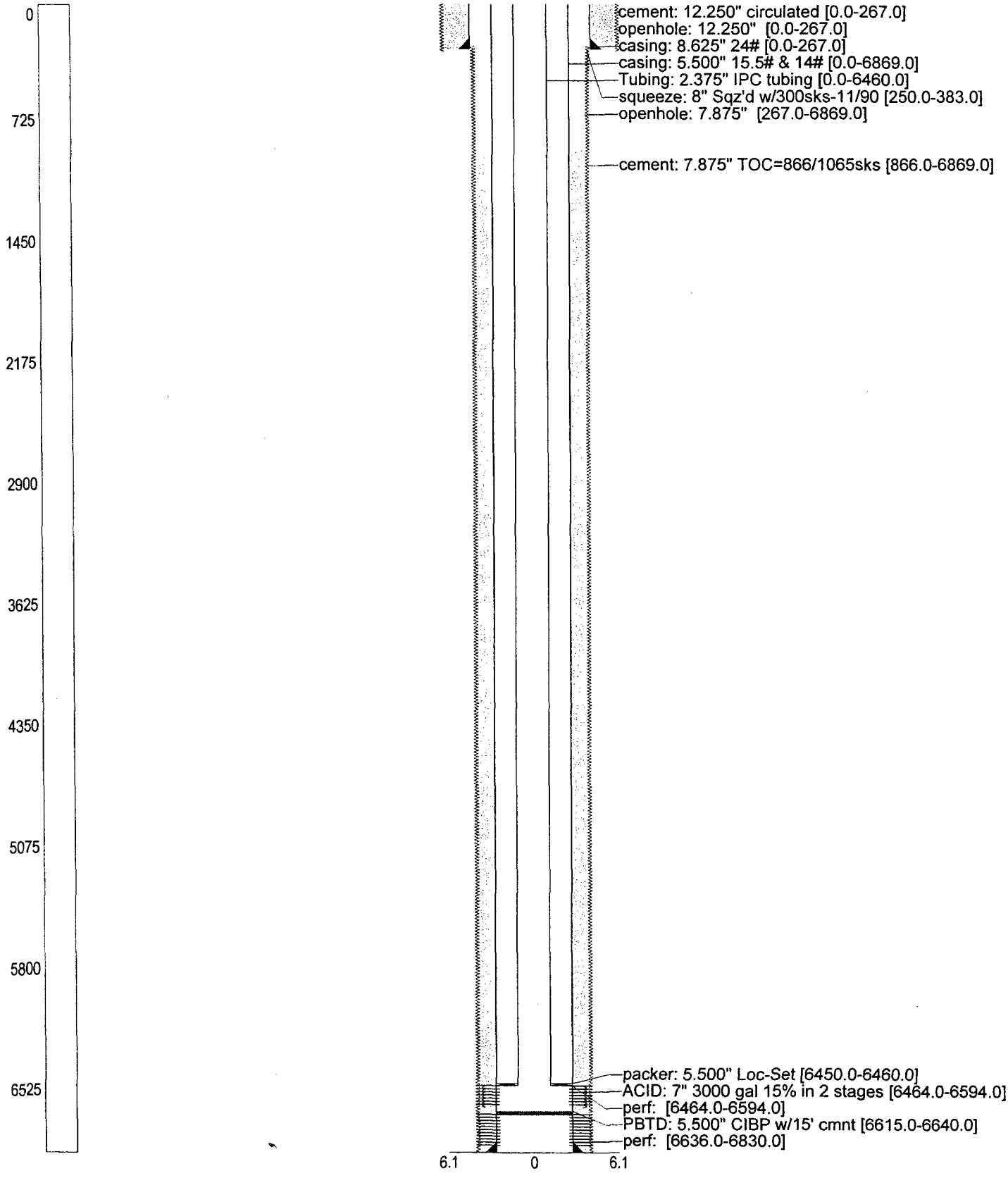
**TD @ 6700'**
**PBD @ 6673'**
**Orig TD @ 6900'**

FILE: WDDU 70WB.XLS
chay 2-5-03

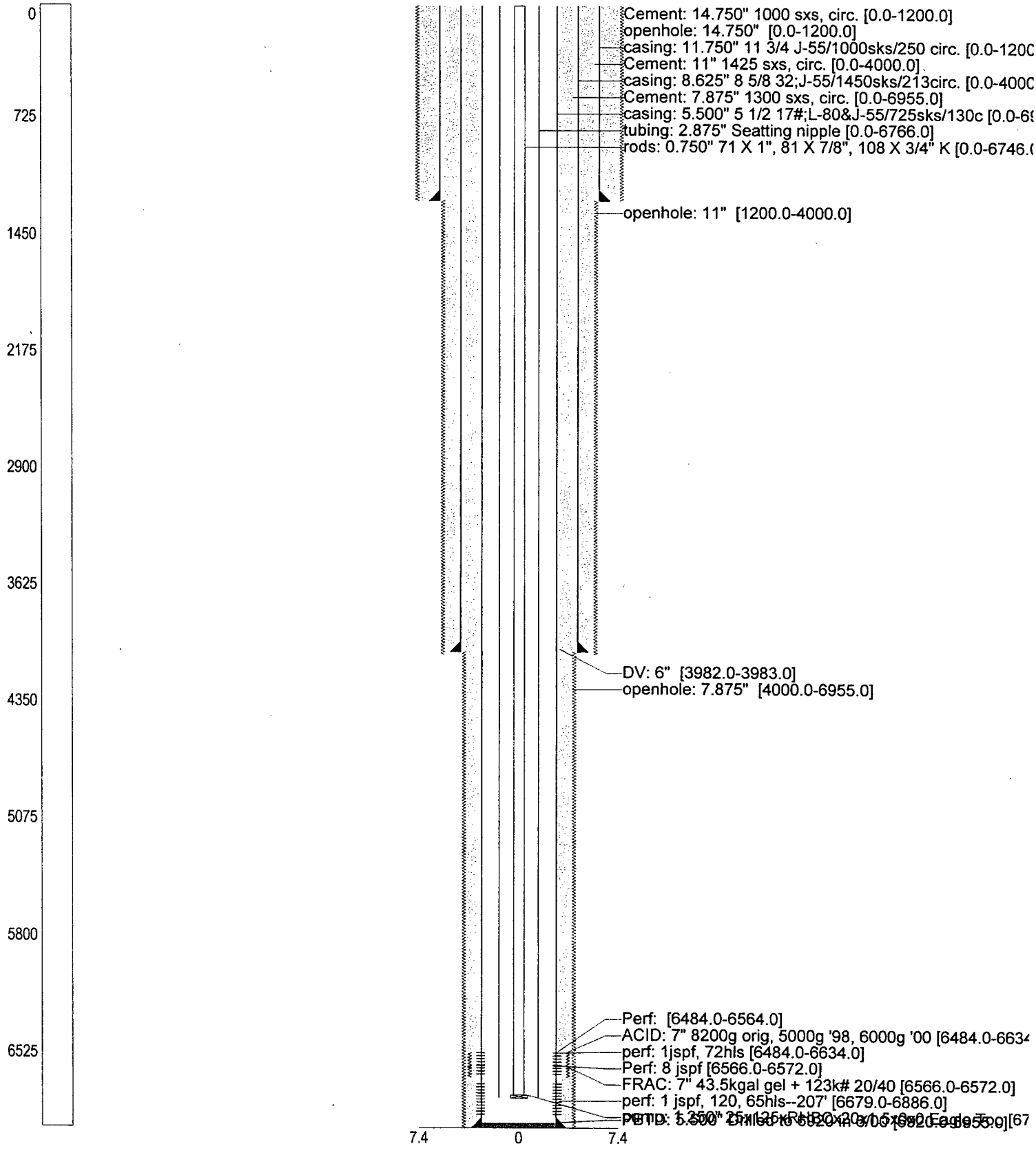
**West Dollarhide Drk # 71 API # 3002512310**
Sec. 32, T24S, R38E, Lea County, NM
Name: WDDU 71 DH ID: FB3249:0 Type: ZA Date: 2/24/2003



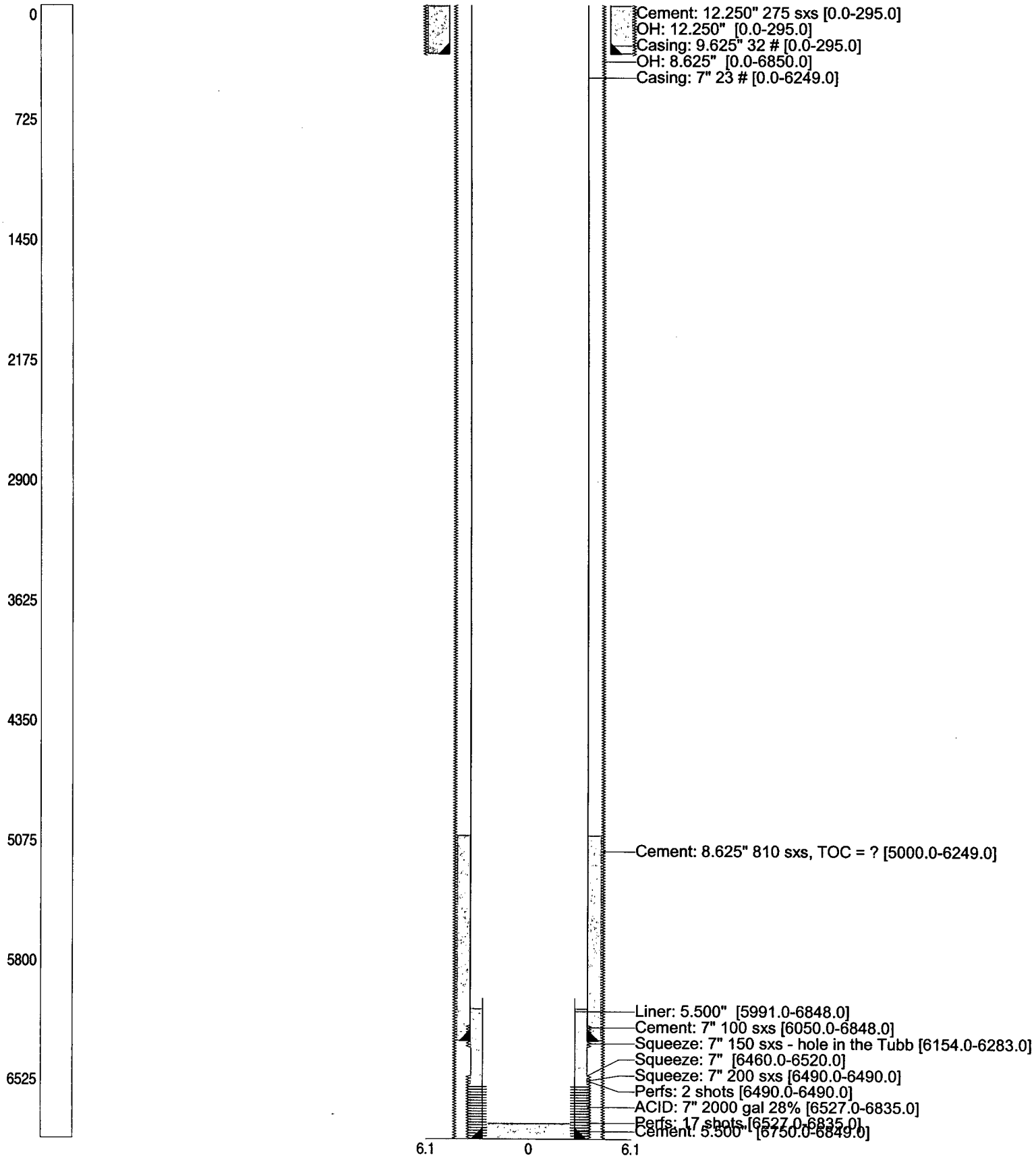
**West Dollarhide Drk # 72 API # 3002512334**
Sec. 33, T24S, R38E, Lea County, NM
Name: WDDU 72 DH ID: FB3273:0 Type: UN Date: 2/24/2003



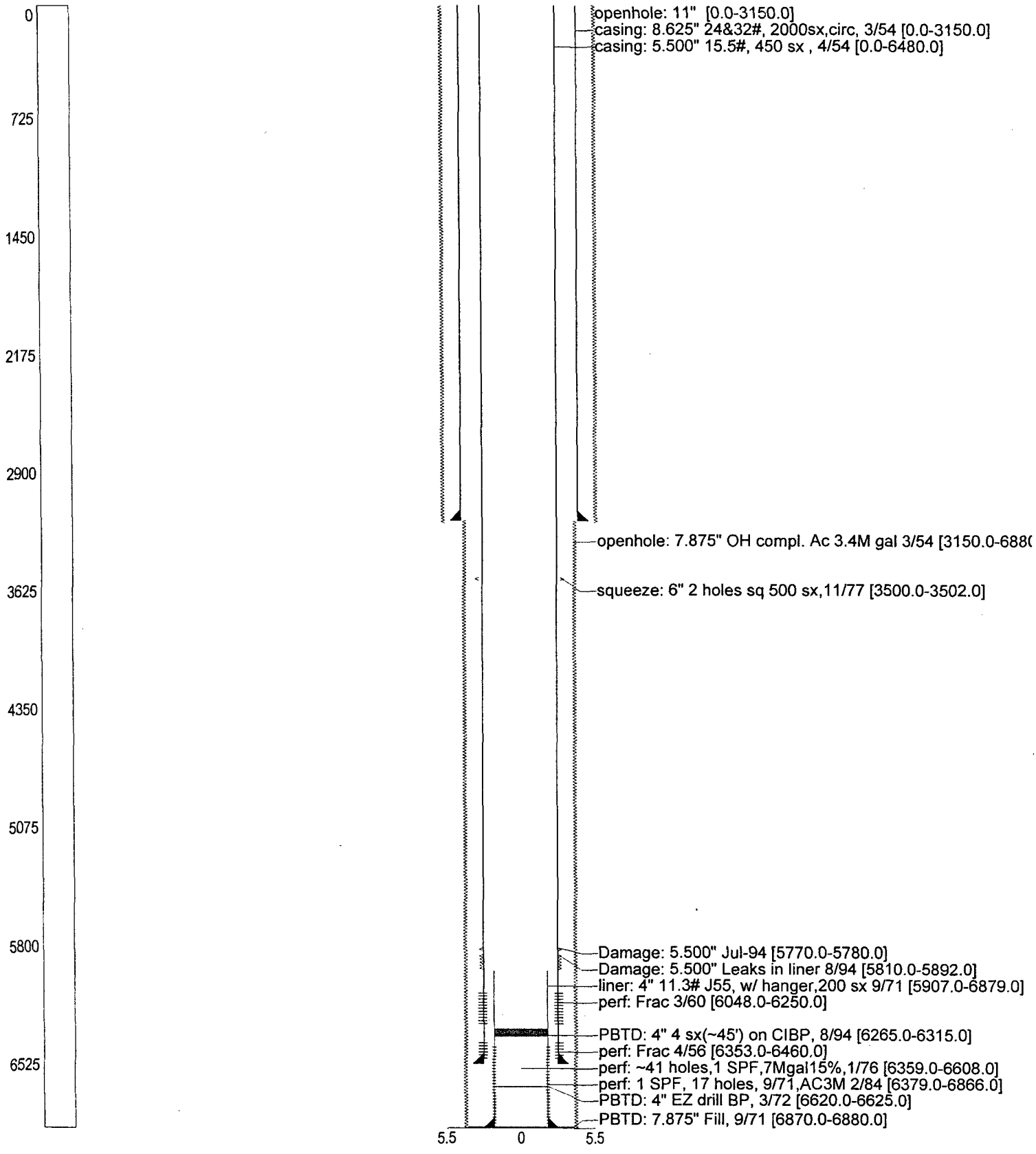
**West Dollarhide Drk # 104 API # 3002530826**
Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM
Name: WDDU104 ID: KZ1044:0 Type: PR Date: 2/24/2003



Name: WDDU73 ID: FB3286:0 Type: IJ Date: 4/21/2004



**West Dollarhide Drk # 77 API # 3002512381**
Sec. 5, T25S, R38E, Lea County, NM
Name: WDDU 77 DH ID: FB3318:0 Type: UN Date: 2/24/2003



**P&A WELL DATA SHEET**

**FIELD: Drinkard** **WELL NAME: West Dollarhide Drinkard Unit # 78** **FORMATION: Drinkard Oil**

LOC: 1830' FWL & 516' FNL SEC: 5 GE: CURRENT STATUS:P&A'd

TOWNSHIP: 25S COUNTY: Lea KB: API NO: 30-025-12378

RANGE: 38E STATE: NM DF: 3144' CHEVNO: FB3315

Unit Letter: C

**P&A Well Data**

| | |
|---|---|
| Spud: 10-29-53 | |
| initial completion date: 12-9-53 | Initial: Production |
| Initial Formation: Drinkard | 270 BOPD, 134 MCFPD |
| FROM: 6460' TO: 6860' | 0 BWPD |

8-5/8" OD, 32 #, J-55
Set @ 3150' w/ 1600 sx
Circ Cmt to surface
**11' hole**

100' cmt
1240'-1140'

100' cmt
3200'-3100'

100' cmt
3545'-3445'

Retainer @ 5900'
Cap w/40' cmt.

**Perfs 4 SPF:**
6078'-81'
6104'-09'
6123'-26
6132'-36'
6144'-46'
6157'-60'
6168'-72'
6176'-84'
6204'-10'
6304'-08'
6312'-20'
6326'-30'
6341'-50'
6358'-61'
6365'-79'
6386'-91'
6408'-12'
6421'-25'
6429'-33'

5-1/2" OD, 17#
csg @ 6460' w/450 sks cmt
No cmt circ to surf.
TOC @ 3000 by Calc.
7-7/8" hole

**OH 6460' to 6860'**

**TD @ 6860'**

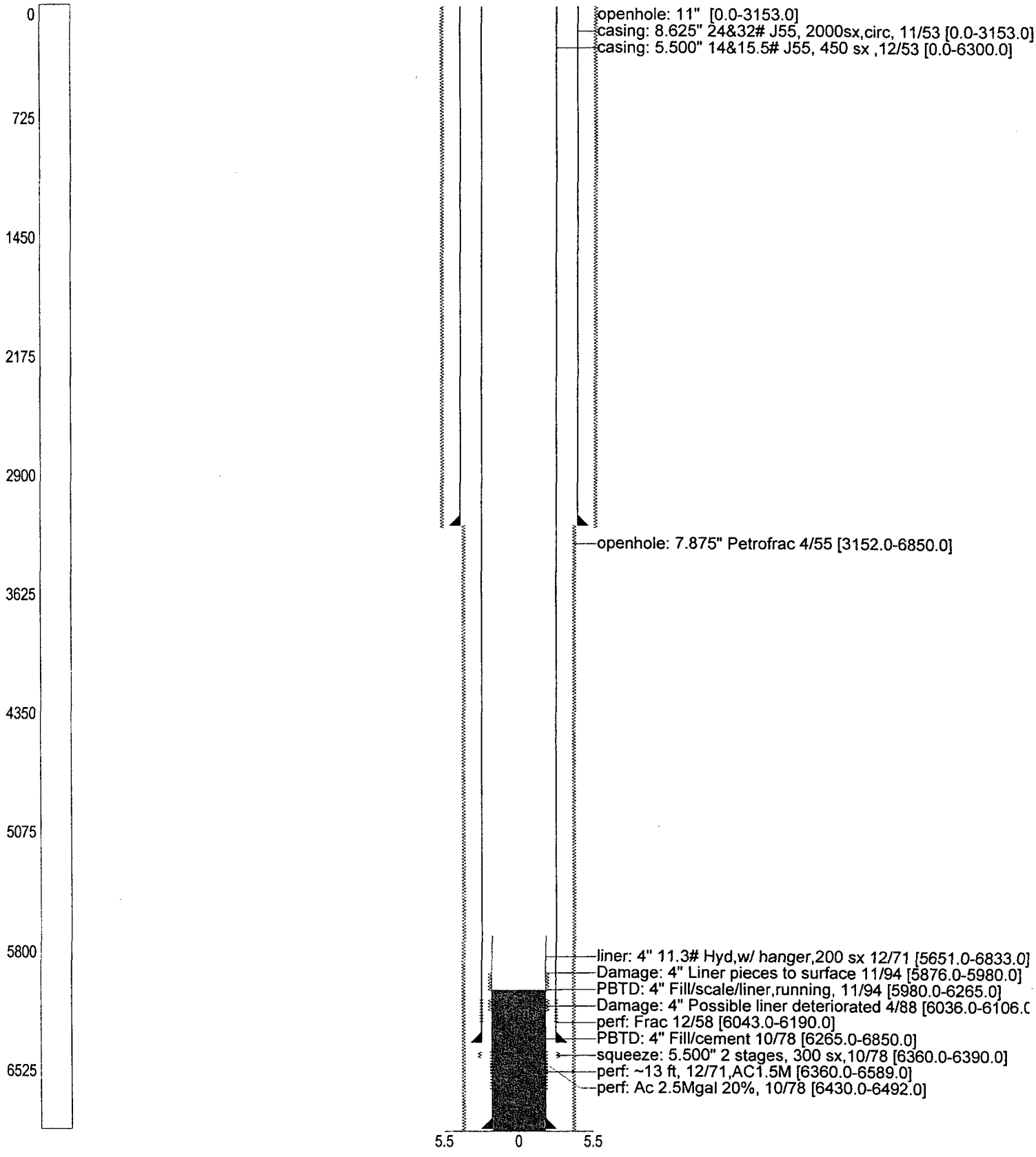
**Completion data:**
Formation - Tubb-Drinkard
Perfs: 6078'-6210' & 6304'-6433'
OH 6460'-6860'
IP Trt, 4000 gals Acid from 6460' to 6860'.

**Subsequent Workover or Reconditioning:**
**12-16-54** Frac'd OH w/10,000 gals Sd oil.
**10-7-59** Perf 5-1/2" csg w/4 JSPF : 6078'-81', (3'), 12 shots; 6104'-09, (5'), 20 shots; 6123'-26', (3') 12 shots. 6132'-36', (4'), 16 shots; 6144'-46', (2'), 8 shots; 6157'-60', (3'), 12 shots; 6168'-72', (4'), 16 shots; 6176'-84', (8'), 362 shots; 6204'-10', (6'), 24 shots; Total 38' & 152 shots.
**8-1-71** SI, Mechanical problems.
**2-24-72** Rpl Rods & Tbg, RTP. Prod. 7 Oil, & 208 Wtr f/Tubb-Drk through 5-1/2" csg perfs: 6078'-6210' & 6304' 6433' & OH 6460'-6860'.
**6-79** Perf & sqz holes as follows: 2 holes @ 2200, 2 holes @ 1920', Tubb Perfs 6078'-6210, 6078'-6433' & OH 6460'-6860'. DO to 6446', Set R-4 pkr in trt wtr @ 5772'. Well TA'd.
**6-03-91**
MIRU, install BOP, Pull Rods & tbg.Set Retainer @ 5900. Sqz Tubb w/50 sx cmt, or 40' on top of retnr. Circ hole w/9.5 ppg mud. Spot 100' cmt plug f/3545 - 3445' @ t/Queen Sd. Spot 100' cmt plug f/3200' -3100' across 8-5/8" shoe @ 3150' Spot 100' cmt plug @ 1240' -1140'. Perf 2SPF above TOC. Circ cmt in both csg annulus to surf. Spot 150' cmt inside 5-1/2" csg. Unscrewed 8-5/8" WH. T/ csg w/cmt., set Dry Hole Marker, Well P&A'd.

Additional Data:
T/Queen @ 3546'
T/Tubb @ 5928'
T/Drinkard @ 6230'
T/Abo @ 6454'

FILE: WDDU 78WB.XLS
chay 2-20-03

**West Dollarhide Drk # 79 API # 3002512379**
Sec. 5, T25S, R38E, Lea County, NM
Name: WDDU 79 DH ID: FB3316:0 Type: UN Date: 2/24/2003



# CURRENT WELL DATA SHEET

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Field:** | West Dollarhide Drinkard Unit | | **Well Name:** | WDDU # 88 H | | **Lease Type:** | State |
| **Location:** | 667' FNL & 500' FEL | | **Sec:** | 5 | **Township:** 25S | **Range:** | 38E |
| **County:** | Lea | **State:** NM | **Chevno:** | FB3324 | **API:** 30-025-12387 | **Cost Center:** | UCU881500 |
| **Current Status:** | PR | | **Unit Letter:** | A | | | |
| **Current Producing Formation(s):** | DRINKARD | | | | | | |

KB:
DF: 3167'
GL:
Spud Date: 6/30/1956
Compl. Date: 8/31/1956

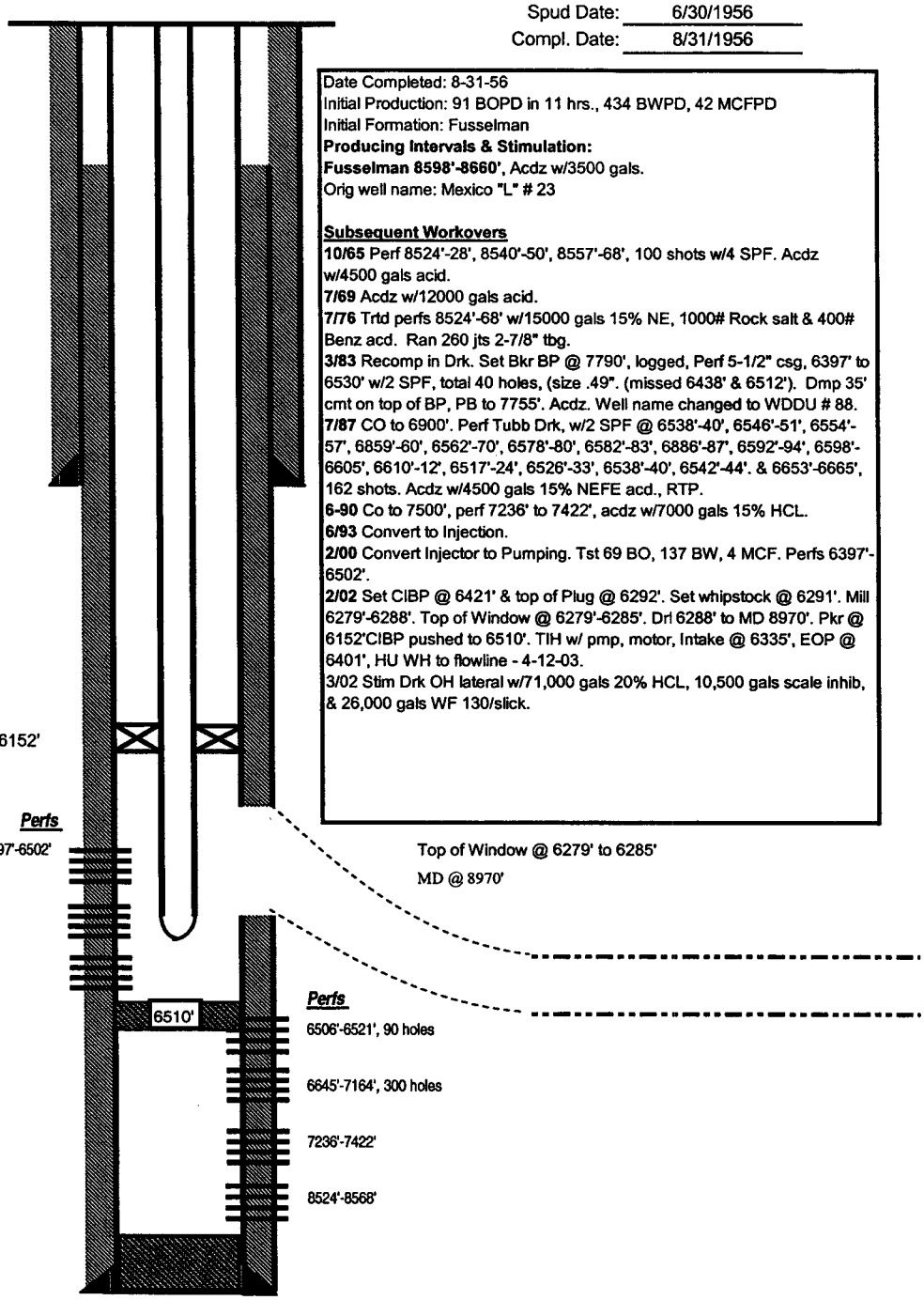
***Surface Csg.***

| | |
|---|---|
| **Size:** | 8-5/8" |
| **Wt.:** | 32# |
| **Set @:** | 3150' |
| **Sxs cmt:** | 2000 |
| **Hole:** | 11" |
| **TOC:** | surface |

***Production Csg.***

| | |
|---|---|
| **Size:** | 5-1/2" |
| **Wt.:** | 15.5, 17# |
| **Set @:** | 8750' |
| **Sxs Cmt:** | 800 |
| **Hole:** | 7-7/8" |
| **TOC:** | 774' by TS |

PKR @ 6152'




Date Completed: 8-31-56
Initial Production: 91 BOPD in 11 hrs., 434 BWPD, 42 MCFPD
Initial Formation: Fusselman
**Producing Intervals & Stimulation:**
**Fusselman 8598'-8660'**, Acdz w/3500 gals.
Orig well name: Mexico "L" # 23

**Subsequent Workovers**
**10/65** Perf 8524'-28', 8540'-50', 8557'-68', 100 shots w/4 SPF. Acdz w/4500 gals acid.
**7/69** Acdz w/12000 gals acid.
**7/76** Trtd perfs 8524'-68' w/15000 gals 15% NE, 1000# Rock salt & 400# Benz acd. Ran 260 jts 2-7/8" tbg.
**3/83** Recomp in Drk. Set Bkr BP @ 7790', logged, Perf 5-1/2" csg, 6397' to 6530' w/2 SPF, total 40 holes, (size .49". (missed 6438' & 6512'). Dmp 35' cmt on top of BP, PB to 7755'. Acdz. Well name changed to WDDU # 88.
**7/87** CO to 6900'. Perf Tubb Drk, w/2 SPF @ 6538'-40', 6546'-51', 6554'-57', 6859'-60', 6562'-70', 6578'-80', 6582'-83', 6886'-87', 6592'-94', 6598'-6605', 6610'-12', 6517'-24', 6526'-33', 6538'-40', 6542'-44'. & 6653'-6665', 162 shots. Acdz w/4500 gals 15% NEFE acd., RTP.
**6-90** Co to 7500', perf 7236' to 7422', acdz w/7000 gals 15% HCL.
**6/93** Convert to Injection.
**2/00** Convert Injector to Pumping. Tst 69 BO, 137 BW, 4 MCF. Perfs 6397'-6502'.
**2/02** Set CIBP @ 6421' & top of Plug @ 6292'. Set whipstock @ 6291'. Mill 6279'-6288'. Top of Window @ 6279'-6285'. Drl 6288' to MD 8970'. Pkr @ 6152'CIBP pushed to 6510'. TIH w/ pmp, motor, Intake @ 6335', EOP @ 6401', HU WH to flowline - 4-12-03.
3/02 Stim Drk OH lateral w/71,000 gals 20% HCL, 10,500 gals scale inhib, & 26,000 gals WF 130/slick.

| | |
|---|---|
| **PBTD:** | |
| **TD:** | 8680' |

| | |
|---|---|
| **Prepared by:** | CHAY |
| **Date:** | 11/25/2003 |

# WELL DATA SHEET

**FIELD: West Dollarhide Drinkard Unit** | **Well No: 93H** | **FORMATION: Drinkard**

**LOC: 1535'** FNL & 2575' FEL | **Sec: 32** | GL: 3185' | CURRENT STATUS:

**TOWNSHIP:** 24S | **Cnty:** Lea | KB: 3200' | API NO: 30-025-30229

**RANGE:** 38E | **State:** NM | DF: 3198' | Chevno: IV9774QU2535

Unit Letter: G

## Dual Horizontal

Spud: 8-11-89

| | |
|---|---|
| Date Completed: 10-17-89 | Initial: Production |
| Initial Formation: Drinkard/Abo | 71 Oil, 17 MCF, 221 Wtr |
| FROM: 6484' TO: 6750' | **GOR 239** |

13-3/8", OD, 54.5# Csg
Set @ 1228', w/1700 sx to surf.
Circ Cmt to Surf
**17-1/2" Hole**

**Completion data:**
Perfs: 6484'-6638'; Acdz w/7350 gals, 15% NEFE, & Frac w/12,000 gals XLG 15% SGA.
6695'-6750', 1 JHPF, Acdz w/5,400 gals, 15% NEFE.

**Subsequent Workover or Reconditioning:**
**9-6-96** Abandon DRK, Add Tubb Pay & acdz.
XL acidz washed exposed Drk Perfs, 6484' - 6498' w/1000 gals 15% NeFe. Perf Tubb zone w/2 JSPF, 6294'-6354', '88' .45 holes. Acdz w/3000 gals 15% NeFe using 150 - 7/8" - 1.3 ball sealers. Tst.
Set CIBP @ 6445', Spot 35' cmt from 6445' to 6410', (new PBTD), Abandon Drk zone.
**1-24-98** Prep to sqz Tubb perfs, found 2 holes in tbg. DO CIBP @ 6445', cracked plug, lost circ. Drl on plug, broke through & push dwn to 6497'. Circ w/partial rtns. Set CIBP @ 6482'.
**Dual Lateral Drinkard completion**
MIRU, Set Whipstock, **West Lateral:** TOW @ 6391', BOW @ 6398'. Drl to 6860' TD. TIH, latch onto Whipstock, attmp to jar loose, rec whipstock only, parted @ knuckle. Left lower half in hole. Mill over fish, jar on WS, TOH w/overshot. Laid dwn DC's. Junk @ 6399' in vertical csg.
TIH w/whipstock, **East Lateral:** TOW @ 6347', BOW @ 6354' Mill on window & OH @ 6360'. Drl to 7482' TD.
**Sub-Pmp @ 6292', RBP @ 6368', Producing from Upper East 4-3/4" OH, Horz Lateral, 6354'-7482'.**
**10-99** Catch fish, found bad couplings, Acdz w/500 gals 15% NeFe dn tbg, TIH w/ pmpm & rods. RD. Final prt.
**7-00** TIH w/bit & csg scrapper on tbg. Acdz East lateral w/5000 gals 15% NeFe. RU pmp truck & scale sqz lateral w/165 bbls TH-756 mixed in 30 bbls 2% kcl. Tbg @ 6349', SN @ 6317', TAC @ 6171', TIH w/ gas anchor, Pmp, Snkr bars, rods. Tst to 500#, OK. TST -7-24-00, 53 BO, 200 BW, & 13 MCF.

DV @ 3985'
Cmt w/2650' sx
Cmt to Sruf.

TAC @ 6171'

Sqz'd Tubb Perfs
6294' - 6354'

**Bottom Window**
**Lower West lateral**
**6391' - 6398'**
**Horizonal Lateral 6391' - 6860'**
**(4-3/4" OH)**

**Top Window**
**Upper East Lateral Window**
**6347'-6354'**
**Horziontal Lateral 6354' - 7482' (4-3/4" OH**
**RBP @ 6368'**

**Junk @ 6399' in Vertical Csg.**

**CIBP set @ 6482'**

**Drld on cracked CIBP**
**Pushed to 6497'**

6484' 6638 DRK
**47 holes**

5-1/2" OD, 15.5 & 17#
csg @ 6960' w/750 sks cmt
Cicr cmt to Surf
**7-7/8" hole**

6695'-6750 Abo
**55 holes**

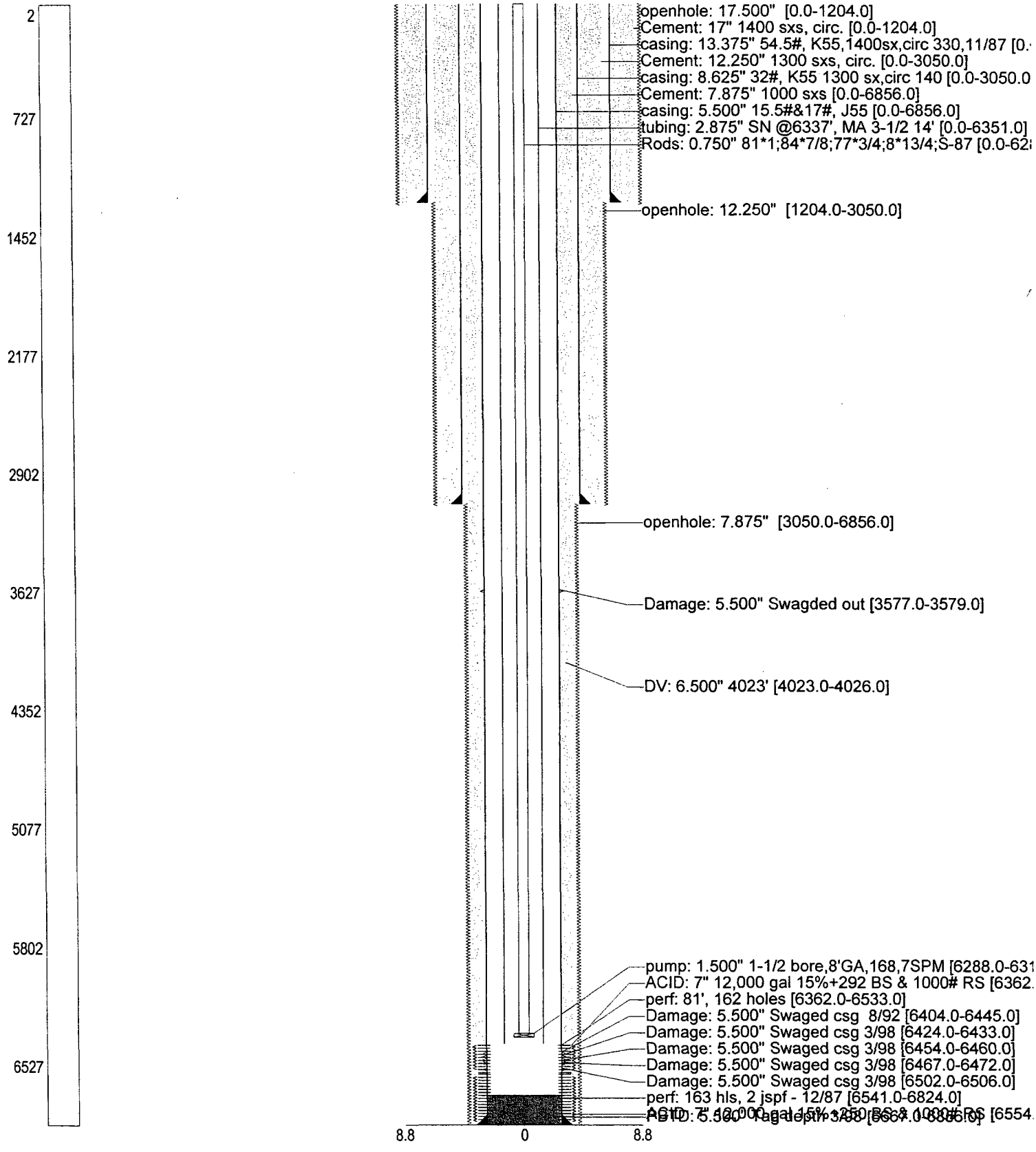
**Additional Remarks:**
T/Salt @ 1300'
Base of Salt @ 2580'
T/San Andres @ 4620'
T/Tubb @ 6080'
T/Drinkard 6360'
T/Abo @ 6695'

CIBP @ 6770'
W/10' CMT ON TOP

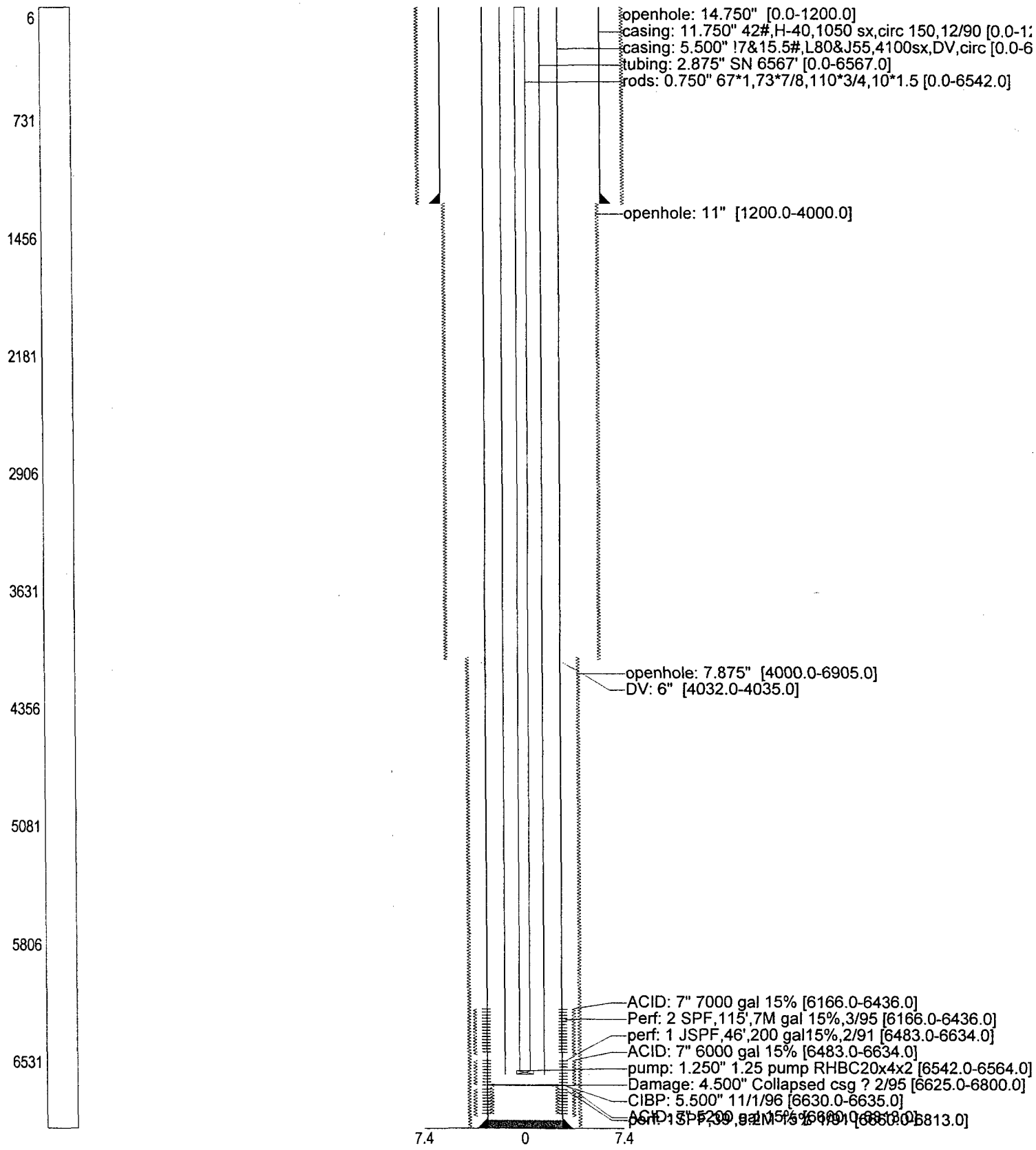
**TD @ 6960'**
**PBTD @ 6770'**

WDDU 93_Dual H-WB.XL
Chay 3-24-04

**West Dollarhide Drk # 94 API # 3002530054**
Active Oil Well, Sec. 32 T25S, R38E, Lea County, NM
Name: WDDU94 ID: IM0876:0 Type: PR Date: 2/24/2003



**West Dollarhide Drk # 103 API # 3002530825**
Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM
Name: WDDU103 ID: KZ1043:0 Type: PR Date: 2/24/2003



# WELL DATA SHEET

LEASE: West Dollarhide Devonian WELL: 105

LOC: 1650' F S L & 330' F W L SEC: 33
TOWNSHIP: 24S CNTY: Lea
RANGE: 38E UNIT: L ST: N.M.
(formerly: Gulf Oil - Harry Leonard A # 19)

FORM: Devonian DATE: 3/19/2004

GL: 3177' STATUS: TA'd Oil Well
KB: API NO: 30-025-12340
DF: CHEVNO: NA
Spud: 11-2-52
Date Completed: 3/1/53
Initial Production:
Initial Formation: Fusselman
FROM: 8705' - 8764'

13" OD
CSG
Set @ 282' W/ 325 SX
Cmt circ.? Yes
TOC @ Surface
17-1/2" hole

8-5/8" OD
28# CSG H-40
Set @ 2900' W/ 1450 SX
Cmt circ.? No
TOC @ 1335' by TS
11" hole

RBP @ 2850'

Perfs:

DO CICR @ 3497'
T w/100 sx cmt

DO Cmt Retainer
3497'

DO CIBP Top w/100 sx
cmt @ 3500'

DO Cmt Retainer
3527'

DO Cmt Retainer
3690'

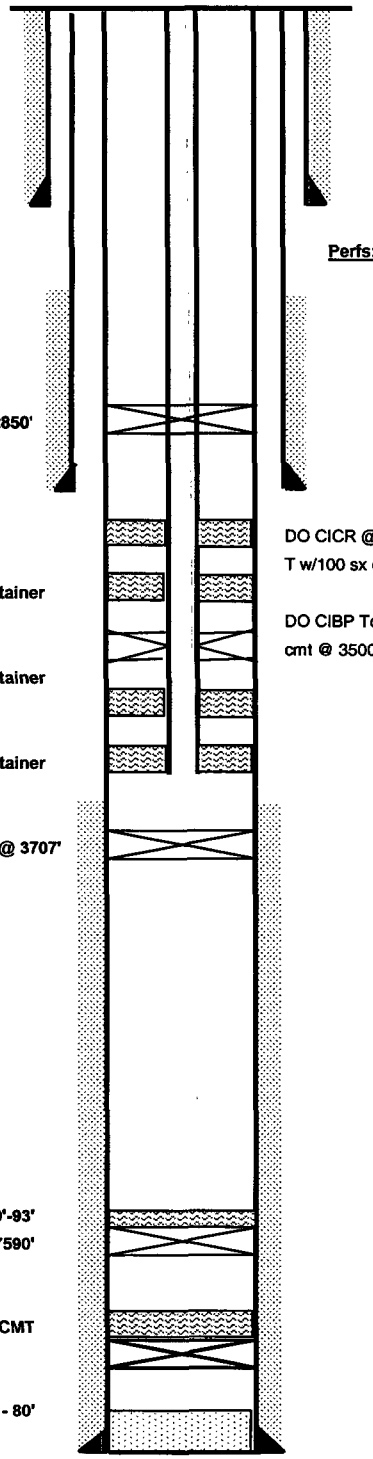
RBP @ 3707'

5-1/2" OD
14-15-17# CSG
Set @ 8779' W/ 500 SX
Cmt circ.? No
TOC @ 5358' by TS
7-7/8" hole

CMT plug 7590'-93'
RBP @ 7590'

CIBP 8620'-8630' 2 SX CMT

Cmt 8764' - 80'



## Completion Data

Dollarhide West Fusselman

## Subsequent Workover or Reconditioning:

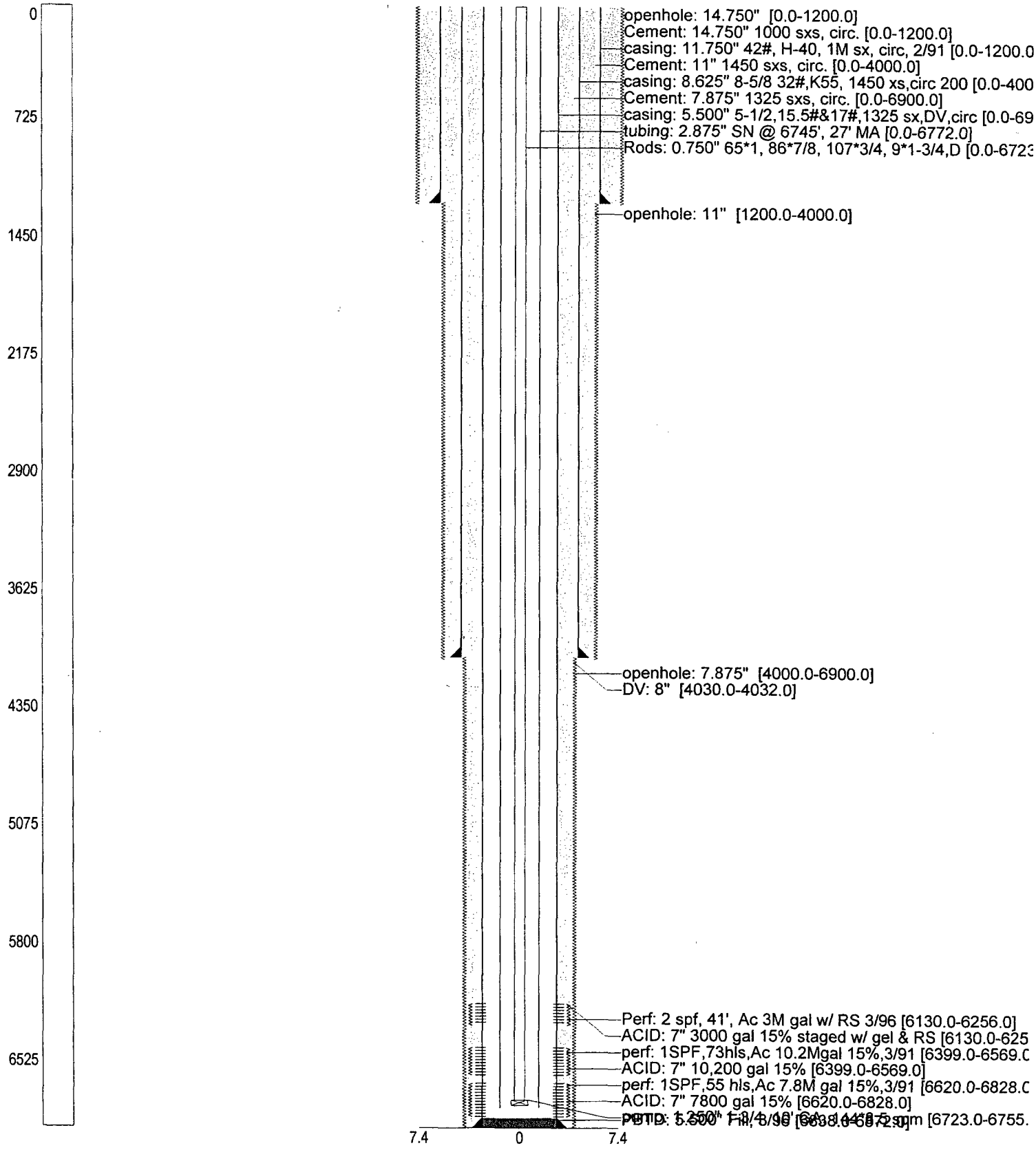
**1/10/53** Cmt 8764'-80'
**7/8/60** CIBP @ 8620'-8630' 2 sx cmt. Cmt plug 7590'-93'
**12/1/91** RBP @ 7590'
**12/5/91** RBP @ 3707'
**12/6/91** RBP @ 2850'
Well TA'd.

**Additional Data:**
T/Yates @ 2765'
T/Tubb @ 6125'
T/Devonian @ 7695'
T/Silurian-Fusselman @ 8705'

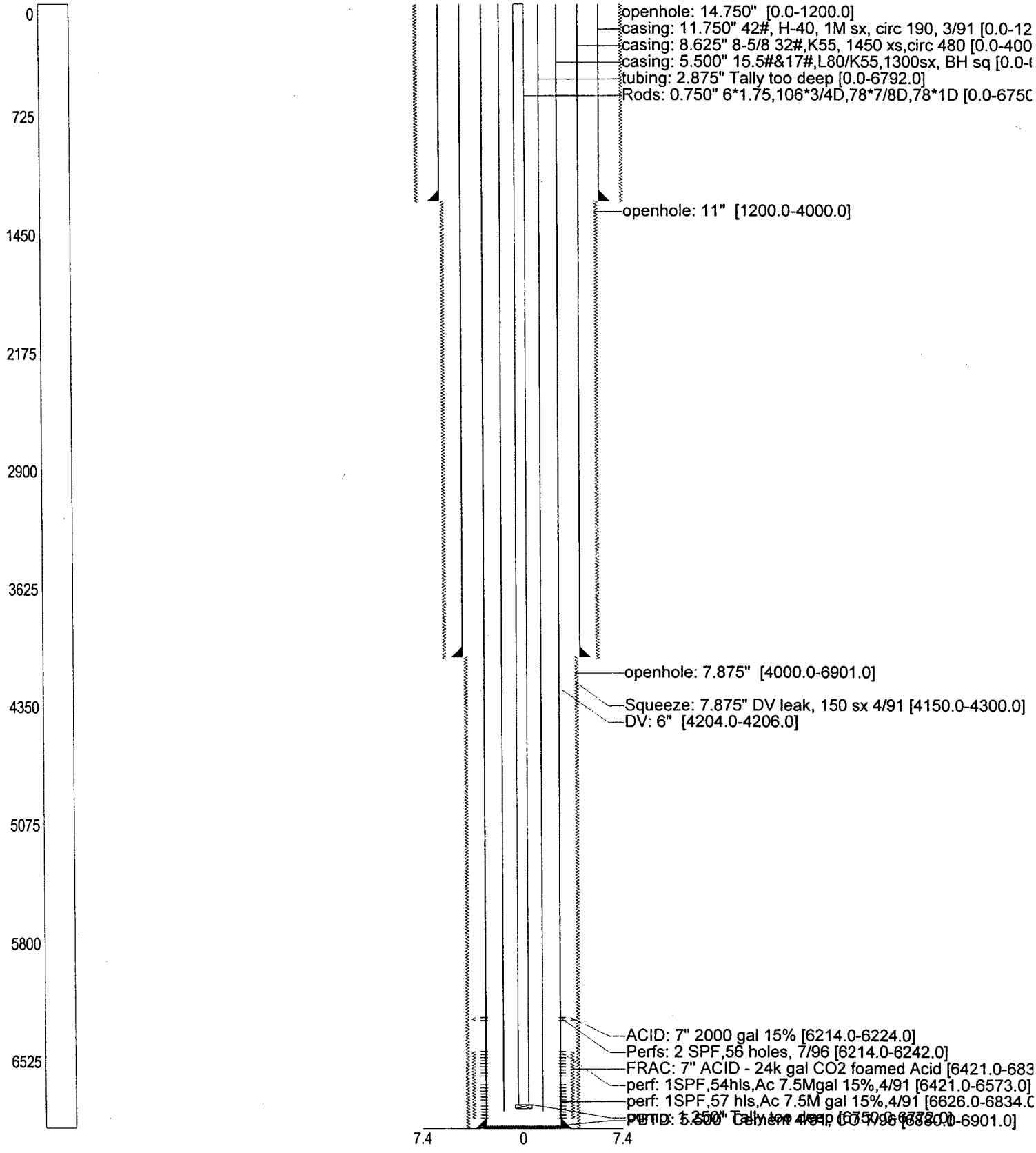
PBTD: 8764'
TD: 8780'

printed: 3/29/2004

**West Dollarhide Drk # 106 API # 3002530828**
Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM
Name: WDDU106 ID: OM1987:0 Type: PR Date: 2/24/2003



**West Dollarhide Drk # 107 API # 3002530829**
Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM
Name: WDDU107 ID: KZ8809:0 Type: PR Date: 2/24/2003



# West Dollardhide Devonian # 108

**formerly: Harry Leonard # 7**

| Location: |
|---|
| 660' FSL & 660' FWL |
| Section: 33 |
| Township: 24S |
| Range: 38E Unit: M |
| County: Lea State: NM |

| Well ID Info: |
|---|
| Chevno: NA |
| API No: 30-025-12337 |
| Compl. Date: 12-27-51 |

| Elevations: |
|---|
| GL: 3177' |
| KB: |
| DF: |

**13-3/8" Surf. Csg:** 48#
**Set:** @ 300'w/ 325 sx cmt
**TOC** @ Surf.

**Interm. Csg: 9-5/8", 40 #**
**Set:** @ 2900" w/1300 sx cmt
**TOC** not available

***Completion data***

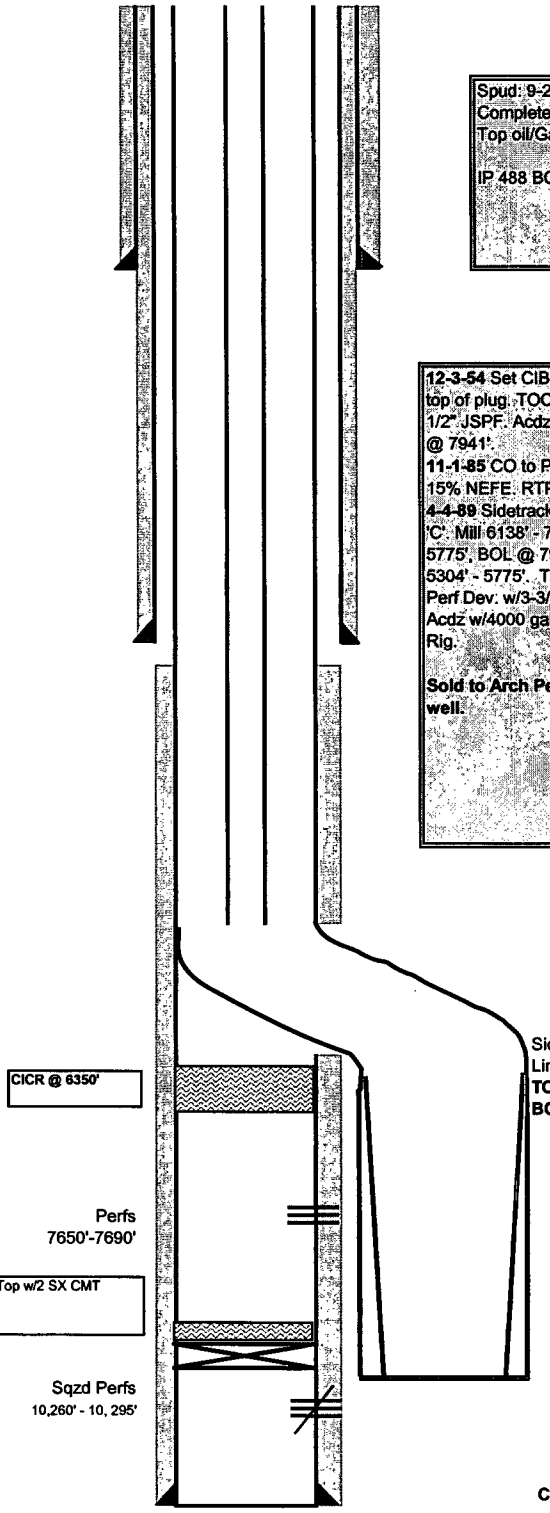
Spud: 9-2-51
Completed: 12-27-51
Top oil/Gas Pay @ 10,255'

IP 488 BOPD

***Subsequent Workovers***

**12-3-54** Set CIBP @ 7950', Dump 2 sxs cmt on top of plug. TOC @ 7941'. Perf 7650'-7690' w/4, 1/2" JSPF. Acdz w/2000 gals 15% NE acid. PBTD @ 7941'.
**11-1-85** CO to PBTD (7941'). Acdz w/750 gals 15% NEFE. RTP.
**4-4-89** Sidetrack. CICR @ 6350', cmt w/500 sx Cl 'C'. Mill 6138' - 7950'. RIH w/4-1/2" Ln. TOL @ 5775', BOL @ 7950'. Pmp 350 sx cmt. DO cmt 5304' - 5775'. Tst Ln top. DO TOL & CO to 7861'. Perf Dev. w/3-3/8" guns, 2 JHPF, set Pkr @ 7604', Acdz w/4000 gals 15% NEFE. TAC @ 7522'. Rlse Rig.

**Sold to Arch Petroleum - Currently an active oil well.**

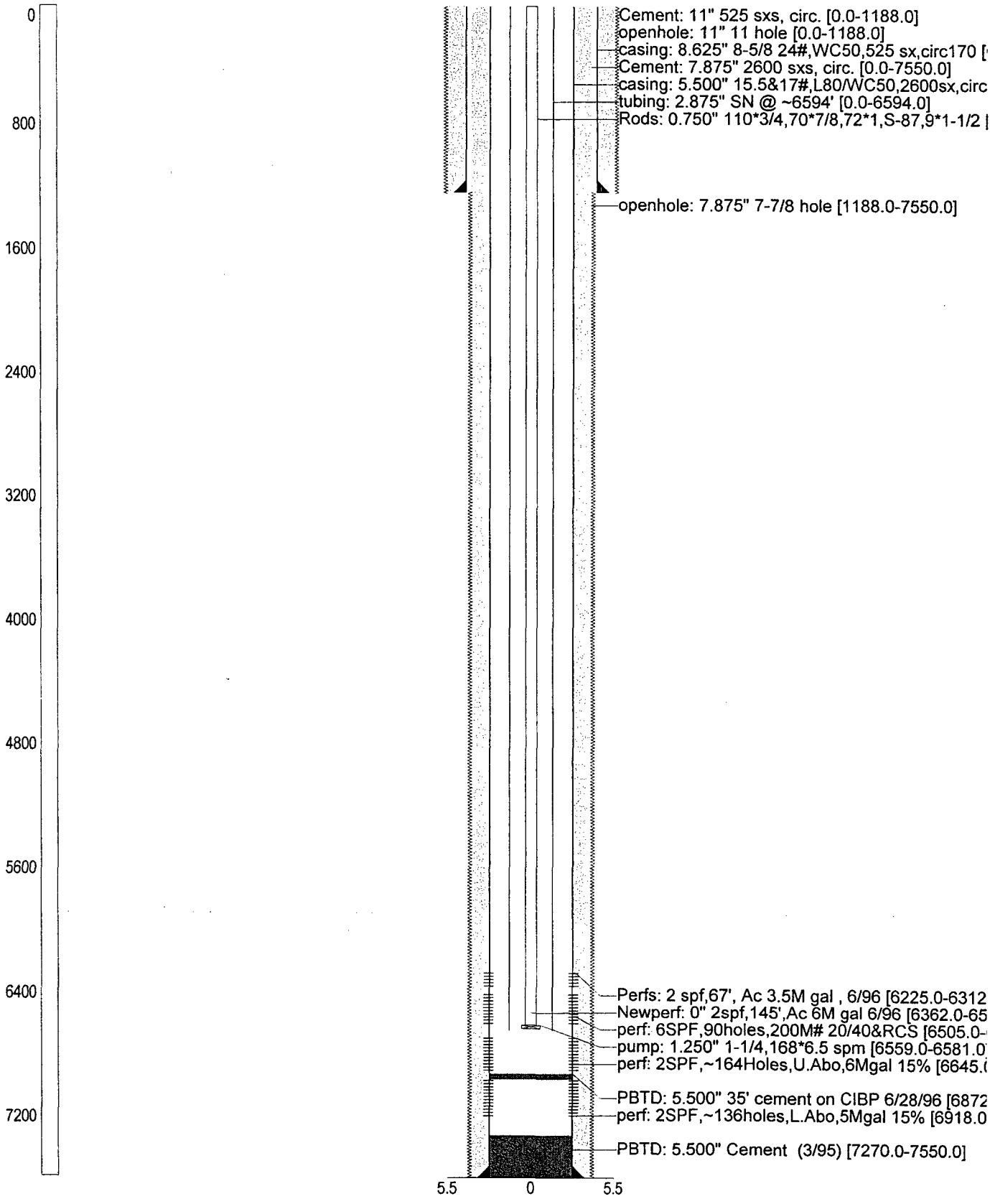



**Prod. Csg:** 7", 23, 26, & 29 #
**Set:** @ 10,500' w/ 1600 sx cmt
**TOC** @ 2925'

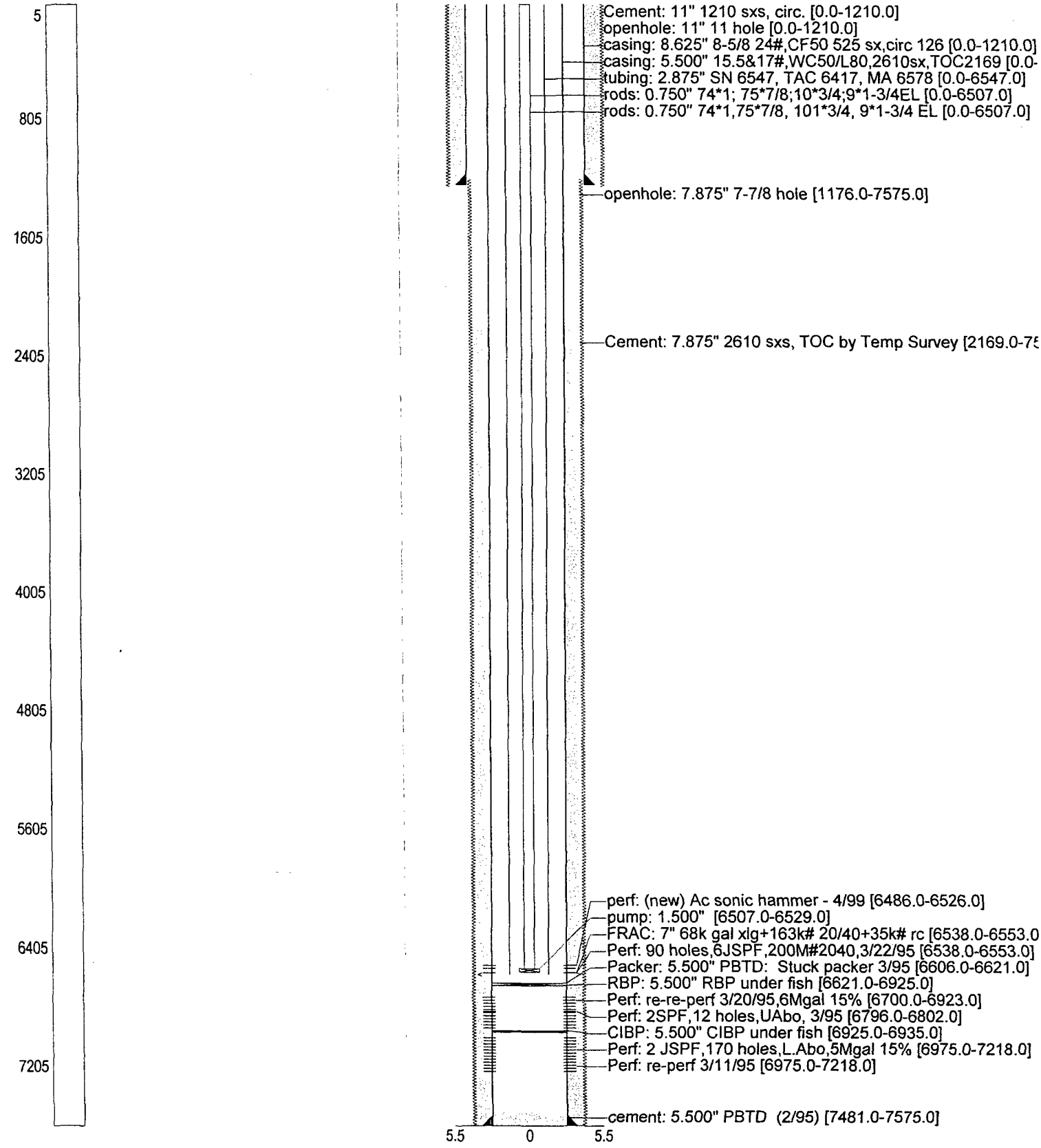
**Created by chay: 3-17-04**

**PBTD:** 7941'
**TD:** 10,330'

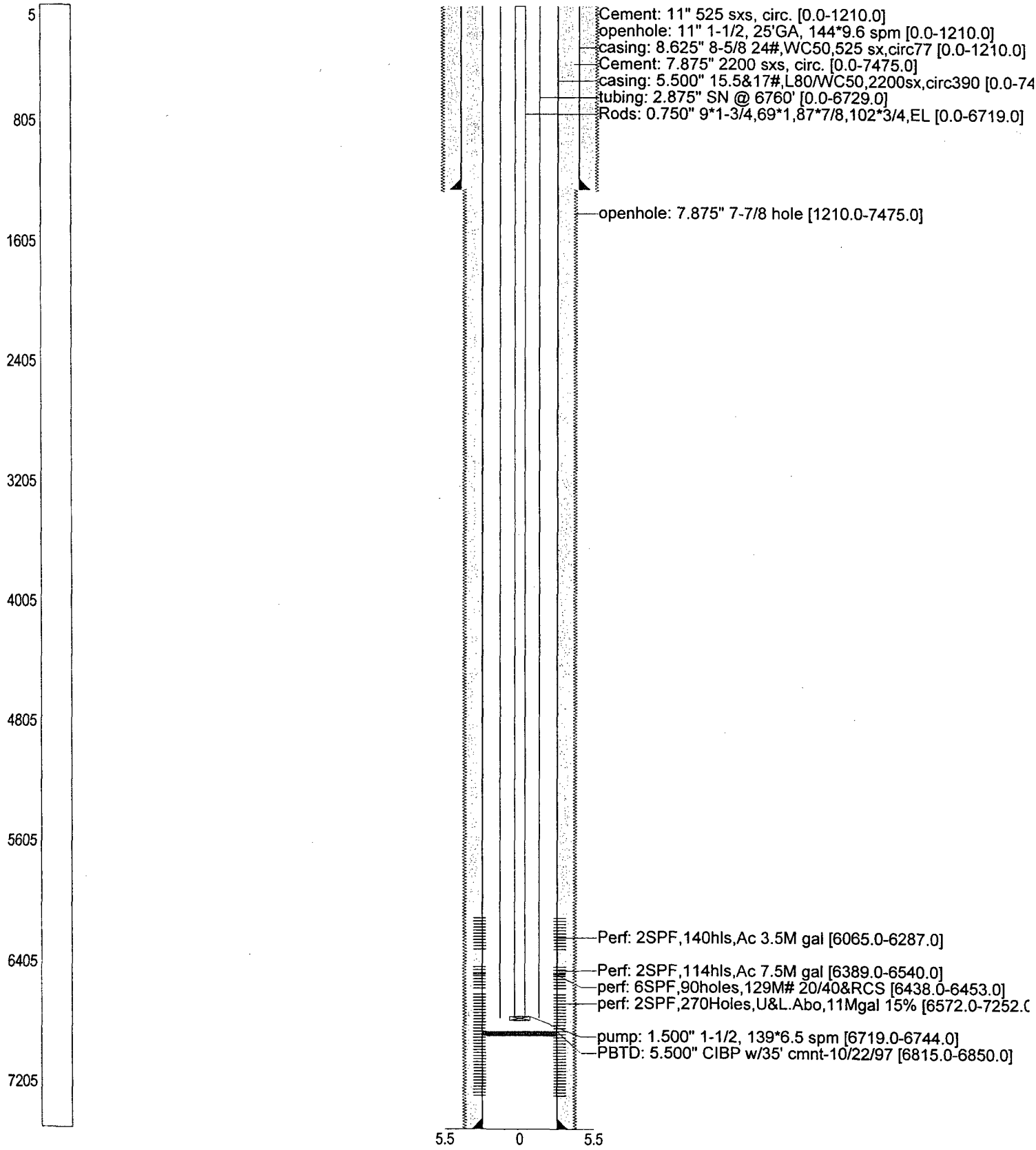
**West Dollarhide Drk # 109 API # 3002532766**
Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM
Name: WDDU109 ID: BC1100:0 Type: PR Date: 2/24/2003



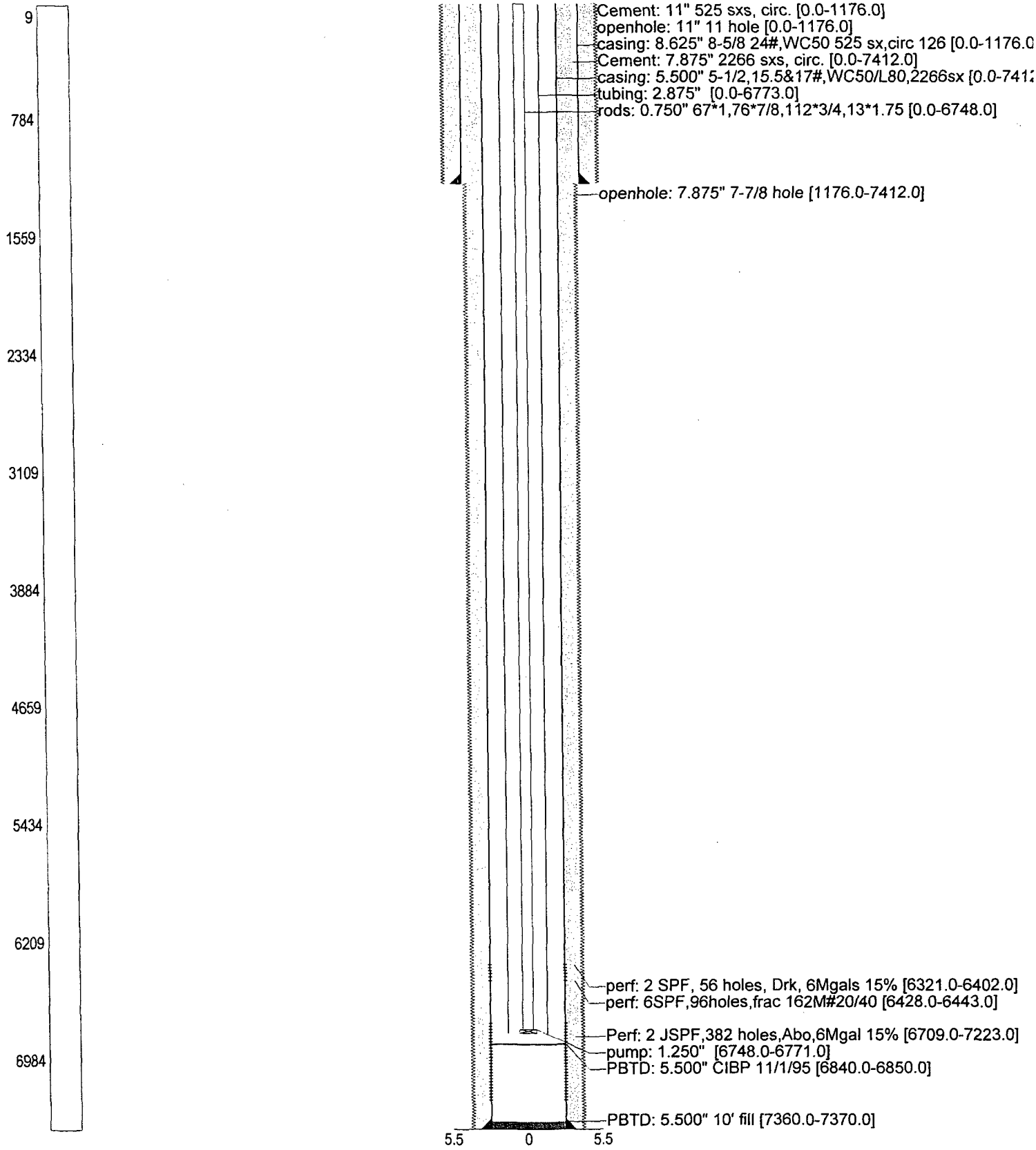
**West Dollarhide Drk # 110 API # 3002532767**
Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM
Name: WDDU110 ID: BC1101:0 Type: PR Date: 2/24/2003



**West Dollarhide Drk # 111 API # 3002532768**
Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM
Name: WDDU111 ID: BC1102:0 Type: PR Date: 2/24/2003



**West Dollarhide Drk # 112 API # 3002532769**
Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM
Name: WDDU112 ID: BC1103:0 Type: PR Date: 2/24/2003



# WELL DATA SHEET

**FIELD: West Dollarhide Drinkard Unit** | **Well No: 114H** | **FORMATION: Drinkard**

**LOC:** 108' FNL & 2325' FWL | **Sec: 5** | GL: 3145' | CURRENT STATUS: Producer

**TOWNSHIP:** 25S | **Cnty:** Lea | KB: 3163' | API NO: 30-025-31499

**RANGE:** 38E | **State:** NM | DF to GL: | Chevno: QU2535

Unit Letter: C

## Dual Horizontal

Spud: 10-05-92

| | |
|---|---|
| Date Completed: 12-12-92 | Initial: Production |
| Initial Formation: Drinkard | 159 Oil, 65 MCF, 36 Wtr |
| FROM: 6340' TO: 7076' | |

11-3/4", OD, 42# Csg
Set @ 1187', w/800 sx to surf.
Circ 112 sxs.
**14-3/4" Hole**

8-5/8" OD, 32 # Csg
set @ 4200', w/1300
sx cmt, circ. 175 sx
**11" Hole**

**Completion data:**

Perfs:
6810' - 7076', 2 JHPF: 98 holes
6548' - 6763', 2 JHPF: 102 holes
6340' - 6488', 2 JHPF: 84 holes
Acdz w/15,700 gals, 15% NEFE, & Frac w/23,100 gals XLG w/11,000# 16/30 sand.

**Subsequent Workover or Reconditioning:**

**1-23-98** Set Perm Pkr @ 6316' to 6320'.
**1-24-98** Start cutting 1st window @ 6250'. Slide drl 6260' to 7254' TD. TOH w/whipstock & fishing tool.
**1-30-98** Set Retv. BP @ 6232', dump 1/2 sx sand on top. Start cutting 2nd window @ 6216' w/ top of Whipstock @ 6214'. Mill from 6215' to 6222' & 4. Slide drl 6224' to 7418' TD.
**3-1-98** Acid frac Upper Drk w/42,700 gals 15% NEFE HCL & 58,000 gals 30# gel.
**3-10-98** Frac Lower East Drk (6256'-7254') w/40,000 gals 15% NEFE HCL & 40,000 gals 30# gel.
**3-12-98** Install Sub Pmp @ 6199'.
Potential tst:
781 Oil; 1069 Wtr, 208 MCF

Dual Horizontal Lateral:
Upper West lateral 6216' - 7412'
Lower East Horizontal Lateral 6256' - 7254'

**2nd Window Cut @ 6216' to 6226'**
Top of Whipstock @ 6214'
**Upper West lateral**
6216' - to MD 7412'

**1st Window Cut @ 6250' to 6222'**
**Lower East Lateral**
6256' - to MD 7254'

PBTD 6316'

**Permanent Pkr @ 6316' to 6320'**

Perfs:
6340'-43'
6348'-61'
6369'-72'
6389'-6400'
6409'-12'
6479'-88'
6548'-53'
6674'-77'
6694'-6718'
6730'-38'
6752'-63'
6810'-15'
6819'-25'
6843'-46'
6857'-61'
6864'-73'
6878'-82'
6983'-94'
7067'-70'
7072'-76'

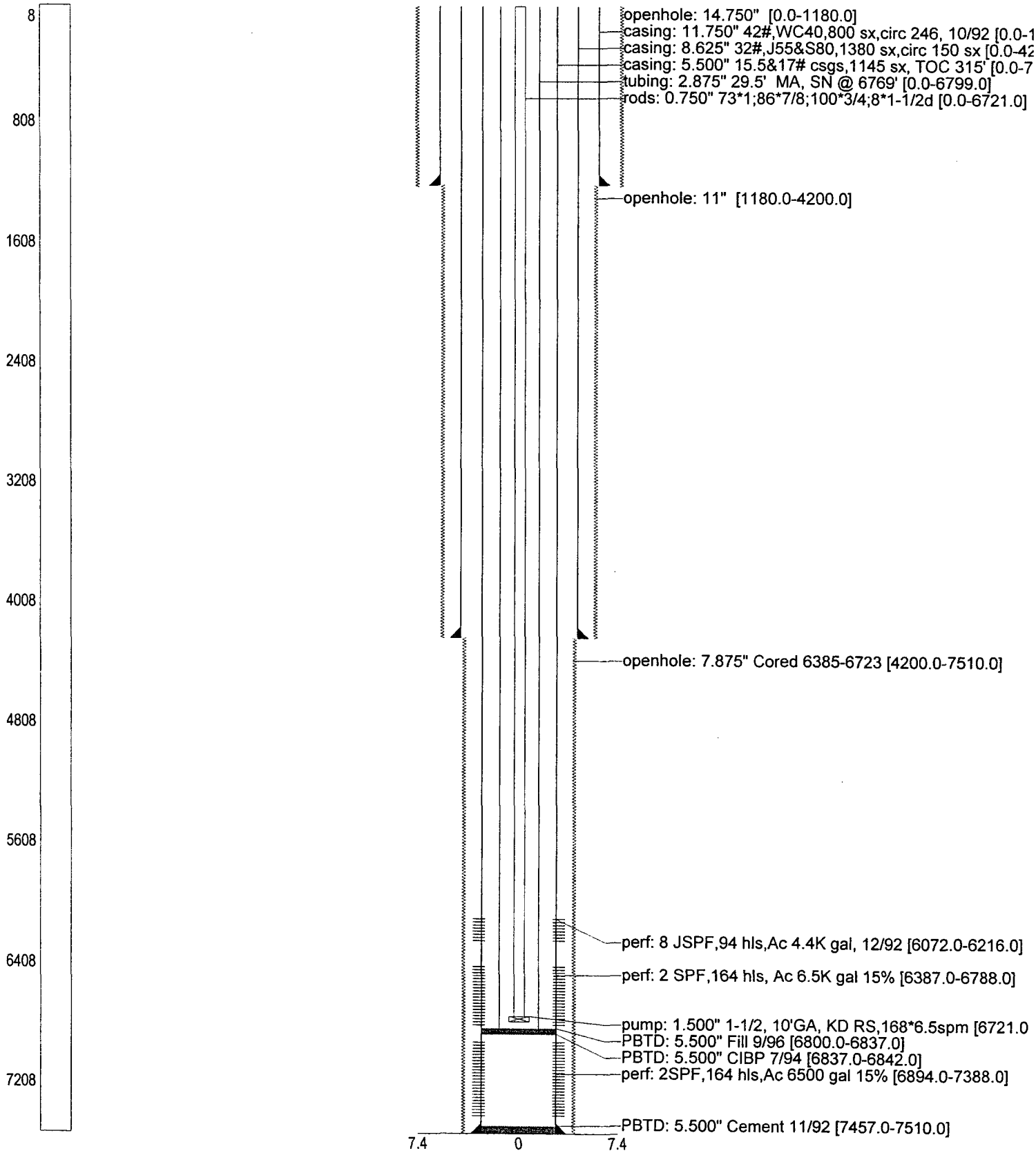
5-1/2" OD, 15.5 & 17#
csg @ 7440' w/1300 sks cmt
Circ 90 sx cmt
**7-7/8" hole**

**Additional Remarks:**
T/Salt @ 1428'
Base of Salt @ 2452'
T/Yates @ 2663'
T/Queen @ 3566'
T/San Andres @ 3958'
T/Glorietta @ 5070'
T/Tubb @ 5948'
T/Drinkard 6340'

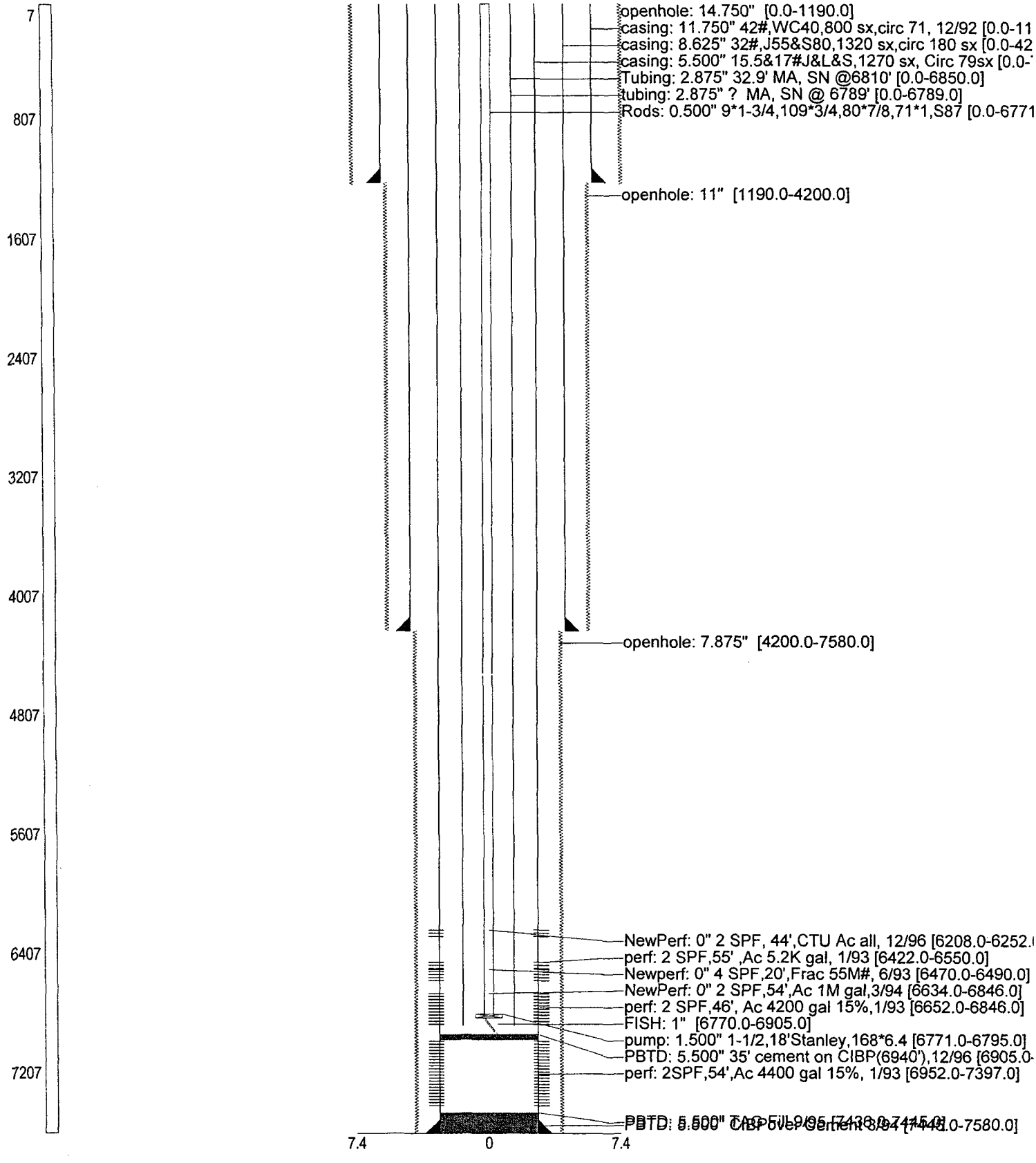
**TD @ 7440'**
**PBTD @ 7287'**

WDDU 114_H-WB.XLS
Chay 3-4-03

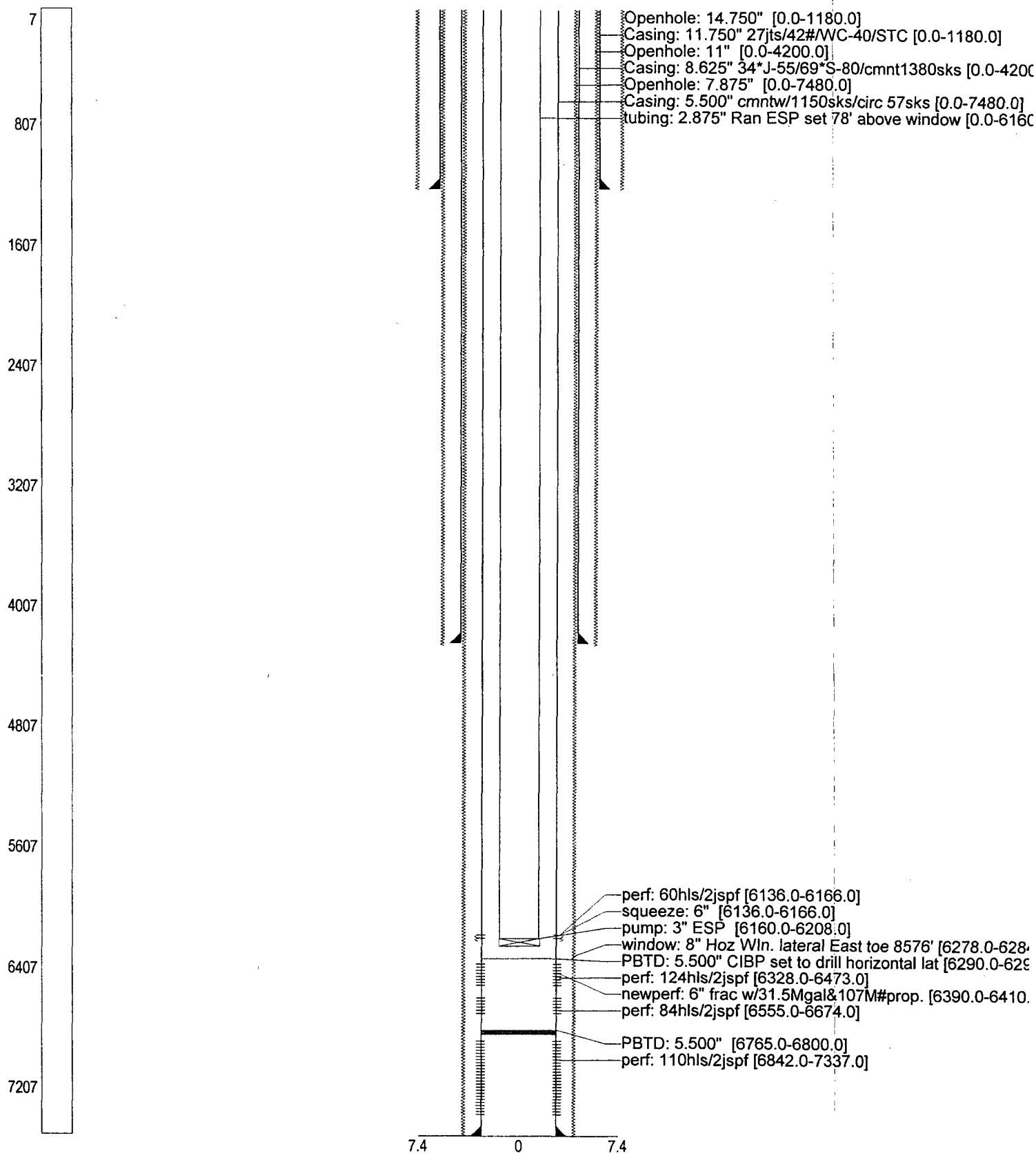
**West Dollarhide Drk # 115H API # 300253148301**
Active Oil Well, Sec. 5 T25S, R38E, Lea County, NM
Name: WDDU 115 DH ID: QU2532:0 Type: UN Date: 2/24/2003



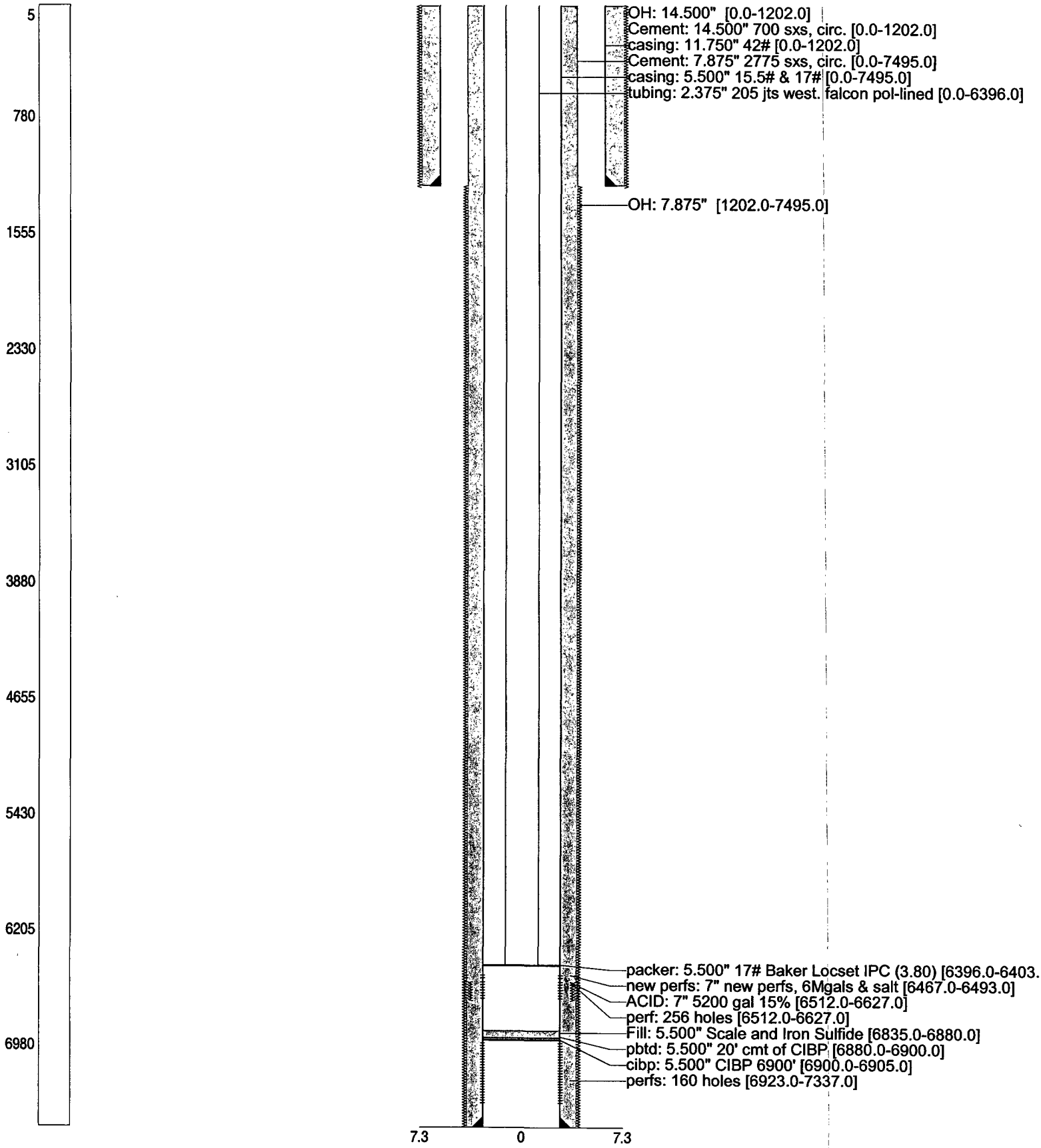
**West Dollarhide Drk # 116H API # 300253148401**
Active Oil Well, Sec. 4, T25S, R38E, Lea County, NM
Name: WDDU 116 DH ID: QU2533:0 Type: UN Date: 2/24/2003



**West Dollarhide Drk # 118H API # 300253150001**
Active Oil Well, Sec. 5, T25S, R38E, Lea County, NM
Name: WDDU 118 DH ID: QU2536:0 Type: UN Date: 2/24/2003



Name: WDDU120 ID: QU2376:0 Type: TA Date: 3/9/2004



# West Dollardhide Drinkard #121

| Location: |
|---|
| 2176' FNL & 656' FWL |
| Section: 32 |
| Township: 24S |
| Range: 38E Unit: E |
| County: Lea State: NM |

| Well ID Info: |
|---|
| Chevno: QU3184 |
| API No: 30-025-31488 |
| Compl. Date: 7-27-93 |

| Elevations: |
|---|
| GL: 3150 |
| KB: 3163 |
| DF: 3162 |

**Surf. Csg:** 11 3/4" 42#
**Set:** @ 1200' w/ 700 sx cmt
**TOC** @ surf by circ

***Completion data***

perf 6465-6574 w/ 2 JSPF

acidize w/ 5000gal 15% NEFE

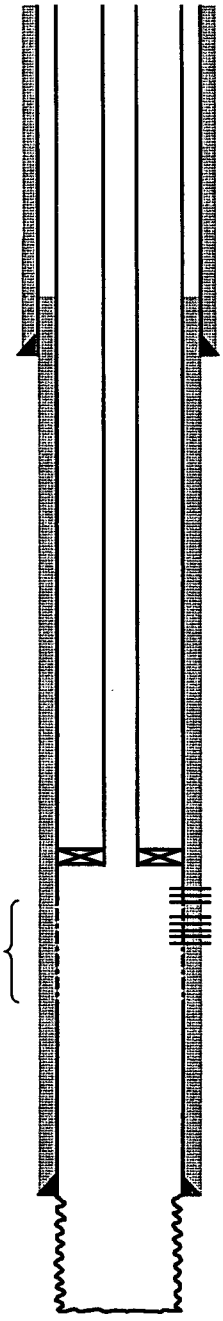
***Subsequent Workovers***

~~5-28-99~~ C/O scale 6452-6820, possible bad spot in csg @ 6495-6525, perf 6441-44, 6448-54, 6456-61, acidize 6441-6574 w/ 6500gal 15% NEFE HCL

***Tubing Detail***

2 3/8" poly lined tbg & pkr set @ 6444'

1.25" profile




**Prod. Csg:** 5 1/2" 15.5# WC-50
17# WC-50 & L-80
**Set:** @ 7500' w/ 2000 sx class 'H' cmt
**TOC** @ 1100' by TS

**PBTD:** 6830'
**TD:** 7500'

**Updated:** 7-26-02

# WELL DATA SHEET

LEASE: West Dollarhide Drinkard  WELL: 122

LOC: 2055' F S L & 1981' F W L  SEC: 32

TOWNSHIP: 24S  CNTY: Lea

RANGE: 38E  UNIT: K  ST: N.M.

FORM: Drinkard  DATE: 4/1/2004

State Lease # B-9613

GL: 3168'  STATUS: Active Wtr Inj.

KB: 3186'  API NO: 30-025-31489

DF:  CHEVNO: QU2534

Spud: 12/11/1992

Date Completed: 1/24/1993

Initial Production: NA - Injector

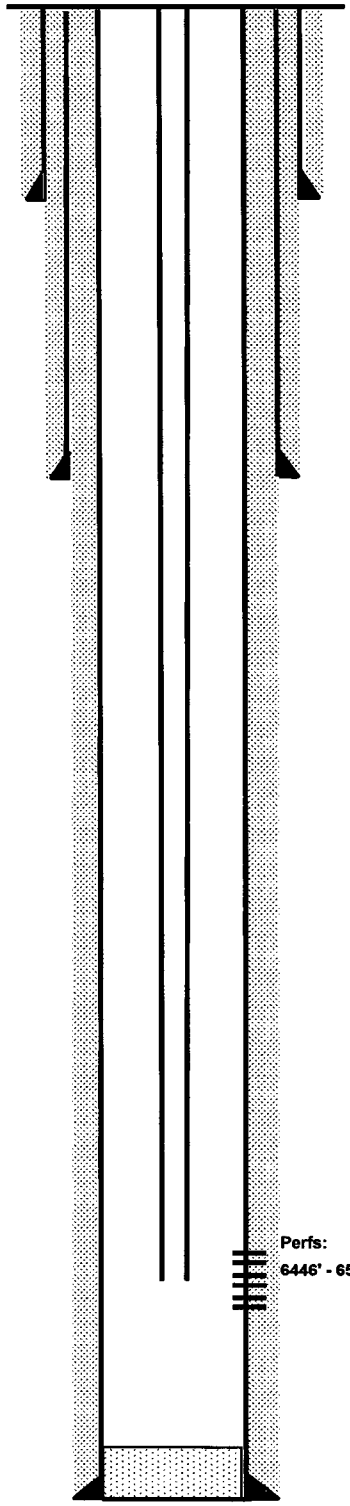
Initial Formation: Dollarhide-Tubb

FROM: 6446' to 6594'

11-3/4" OD
42# Csg
Set @ 1215' W/ 800 SX
Cmt circ.? Yes
TOC @ Surface
14-3/4"

8-5/8" OD
32# CSG
Set @ 4200' W/ 1380 SX
Cmt circ.? Yes
TOC @ Surface by CIRC
11" hole

5-1/2" OD
15.5 & 17 # CSG
Set @ 7635' W/ 1425 SX
Cmt circ.? Yes
TOC @ Surface by CIRC
7-7/8" hole




**Completion Data**

Perfs: 6446'-6594', 2 JHPF & 88 Holes
Acdz w/5200 gals 15% NE

**Subsequent Workover or Reconditioning:**

**Additional Data:**
T/Yates @ 2680'
T/Tubb @ 6030'
T/Drinkard @ 6412'

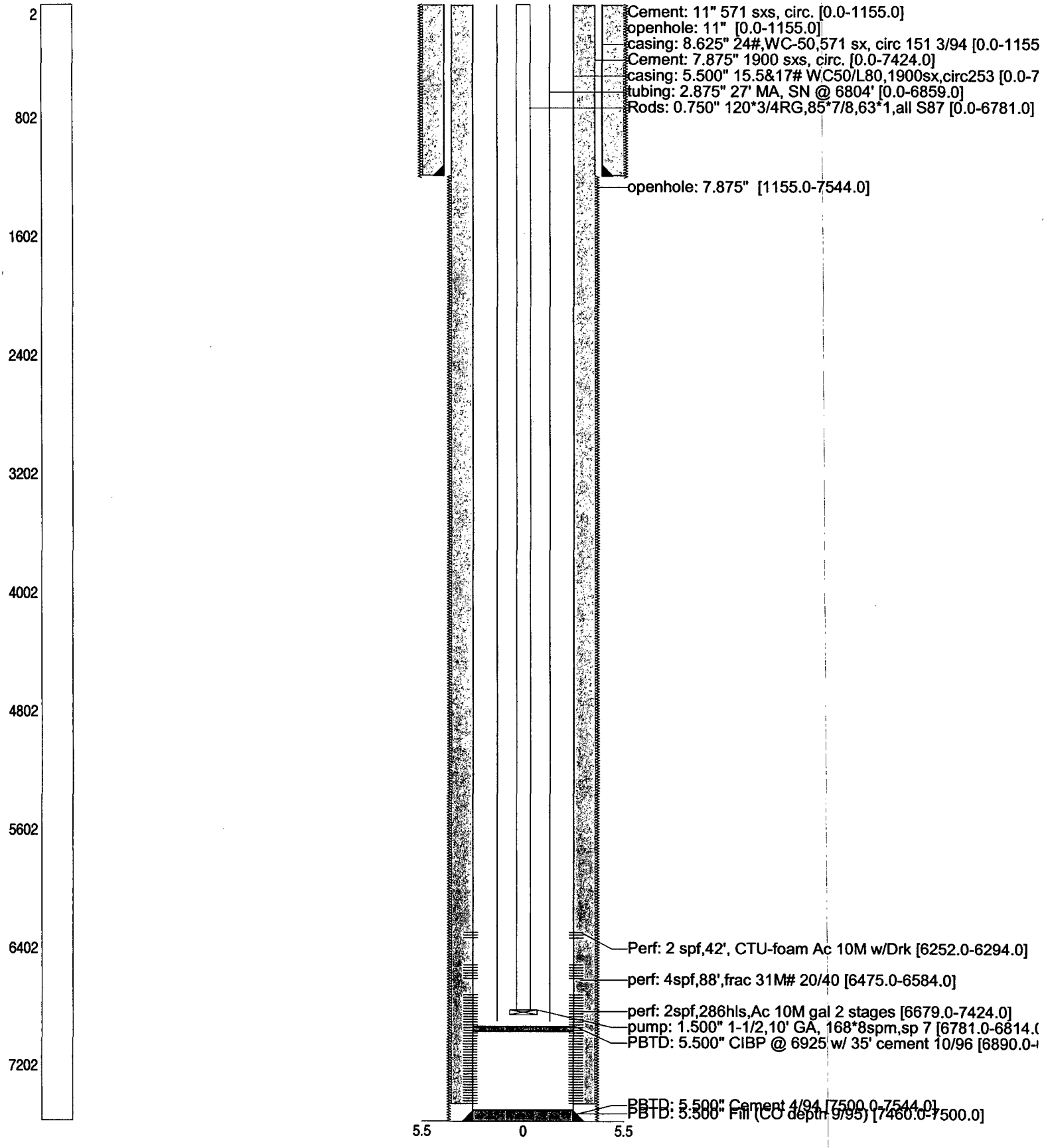
printed: 4/20/2004

PBTD: 6955'

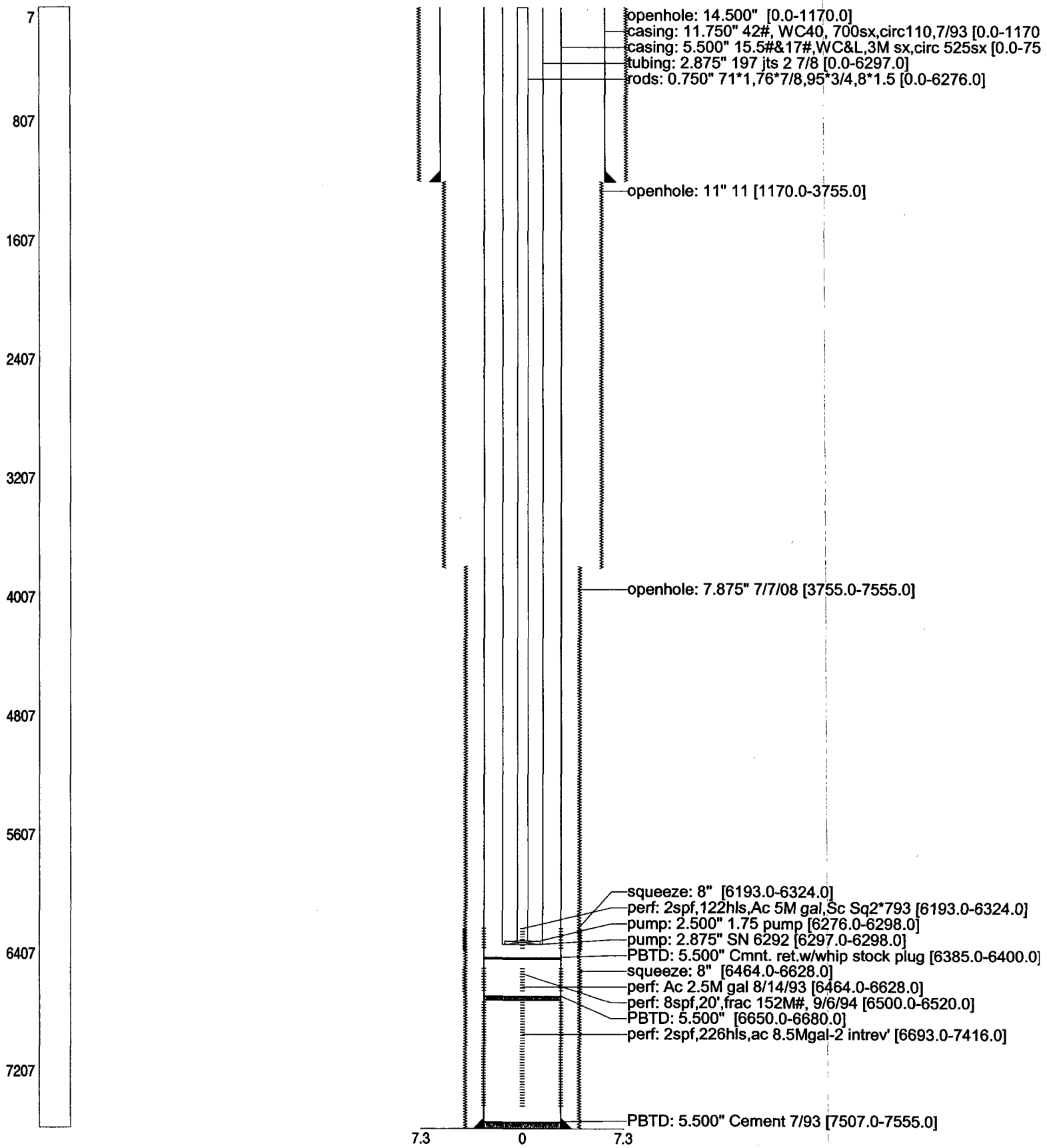
TD: 7635'

Created by: chay 4-1-04

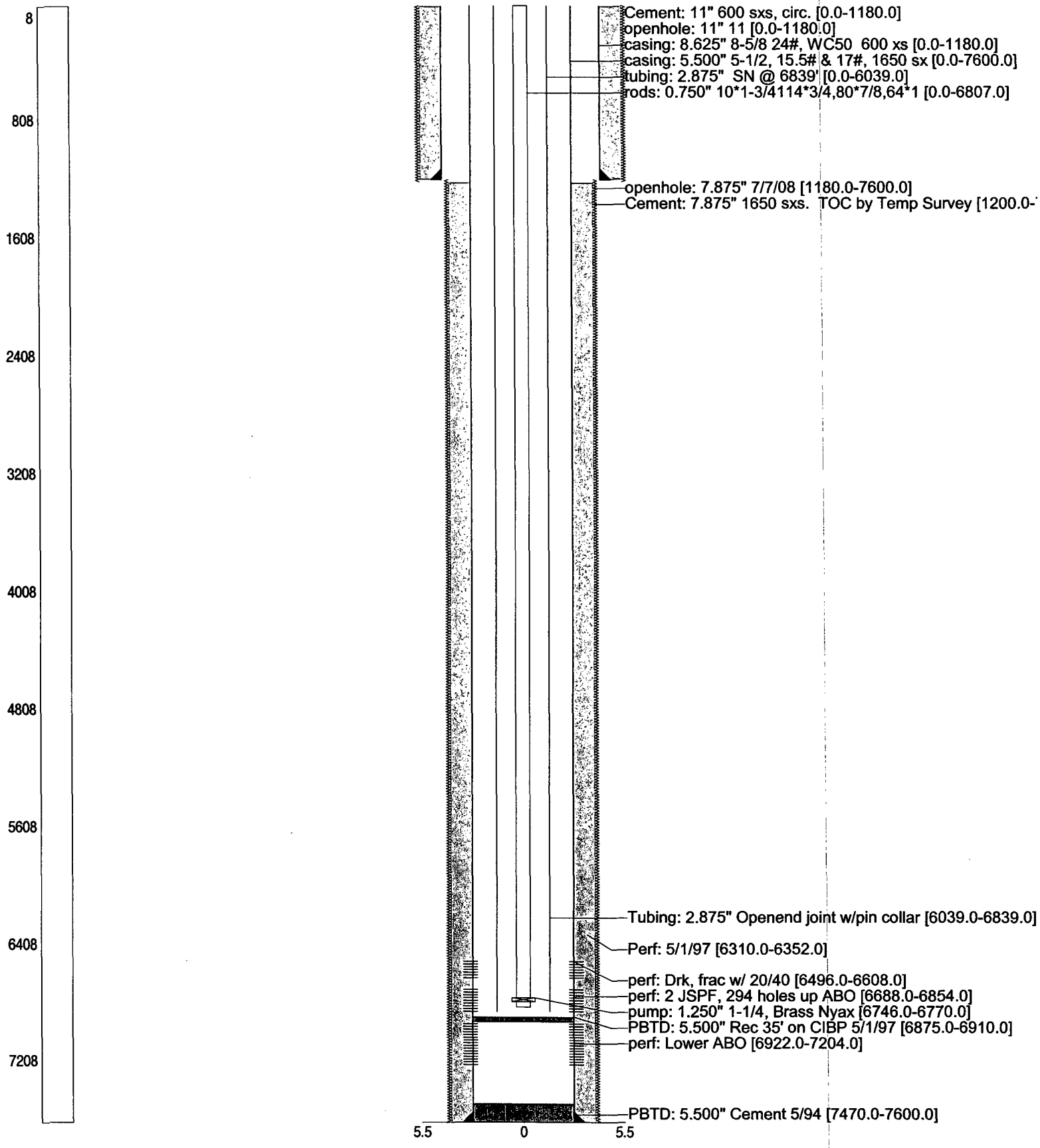
Name: WDDU124 ID: QU2089:0 Type: PR Date: 3/9/2004



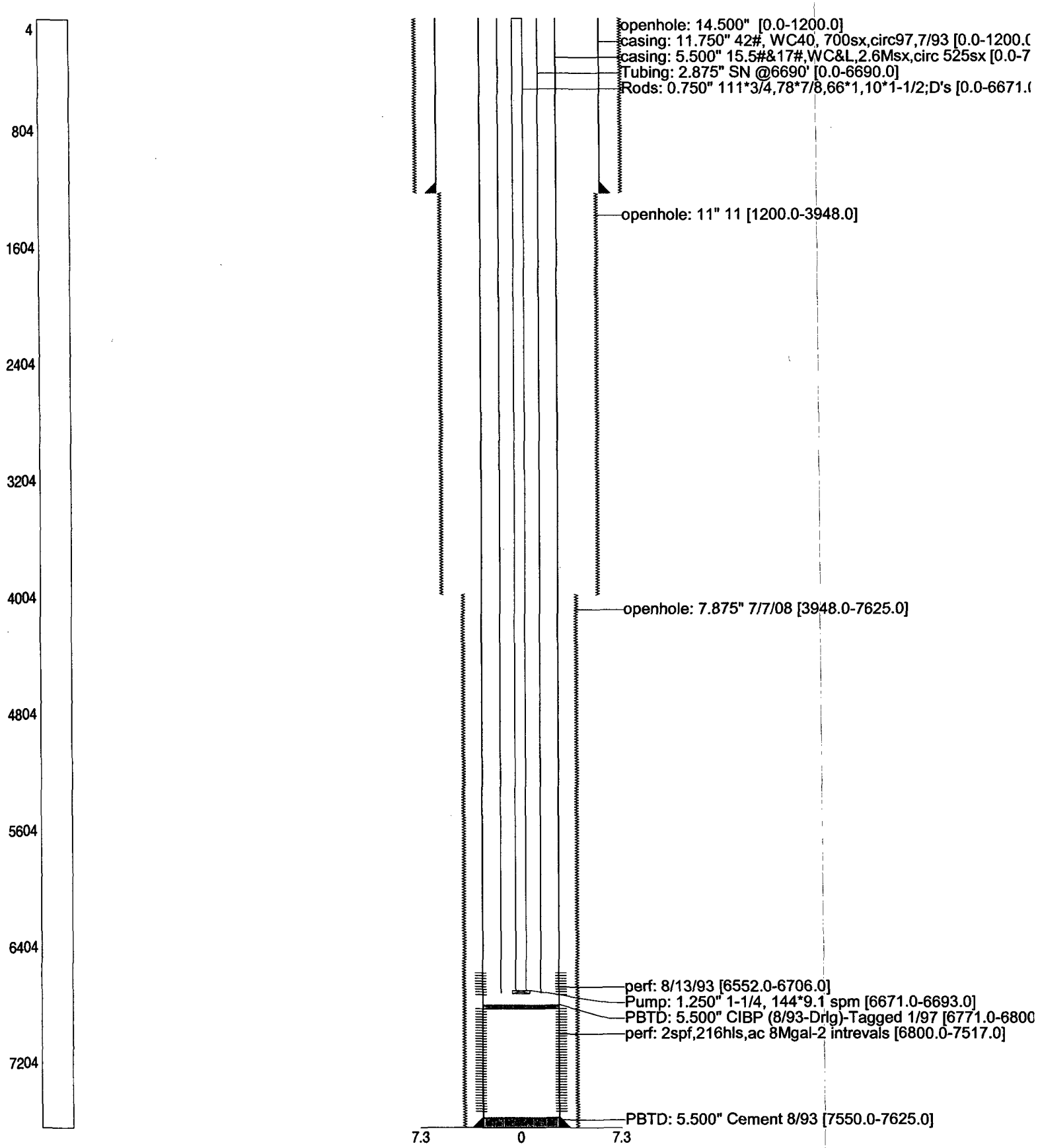
Name: WDDU126DHTD ID: QU2187:0 Type: TA Date: 3/9/2004



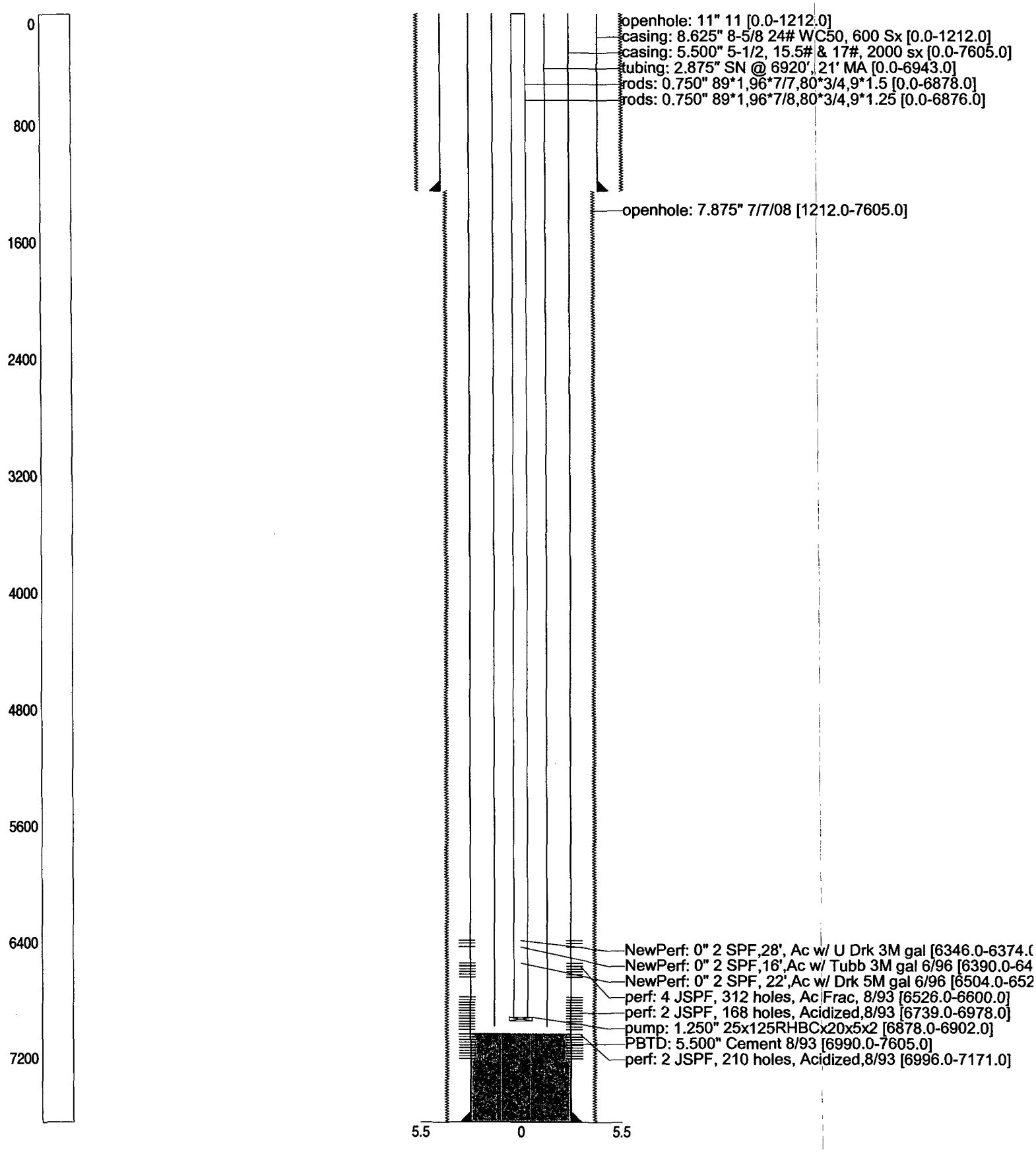
Name: WDDU127 ID: QU2076:0 Type: PR Date: 3/9/2004



Name: WDDU128 ID: QU2466:0 Type: PR Date: 3/9/2004



Name: WDDU129 ID: QU2784:0 Type: PR Date: 3/9/2004



# West Dollardhide Drinkard # 130

| Location: |
|---|
| 2000' FNL & 1900' FEL |
| Section: 32 |
| Township: 24S |
| Range: 38E Unit: G |
| County: Lea State: NM |

| Well ID info: |
|---|
| Chevno: QU2902 |
| API No: 30-025-32015 |
| Compl. Date: 8-28-93 |

| Elevations: |
|---|
| GL: 3195' |
| KB: 3208' |
| DF: |

**Surf. Csg:** 8 5/8" 24# WC-50
**Set:** @ 1225' w/ 400 sx class 'C' cmt
**TOC** @ surf by circ

***Completion data***

clean out to PBTD @ 7452'

perf w/ 4 JSPF 6548-52, 6562-72, 6584-98, 6606-10, 6618-22, 6628-31, 6640-43, 6652-55'

acidize w/ 5200gal 15% HCL

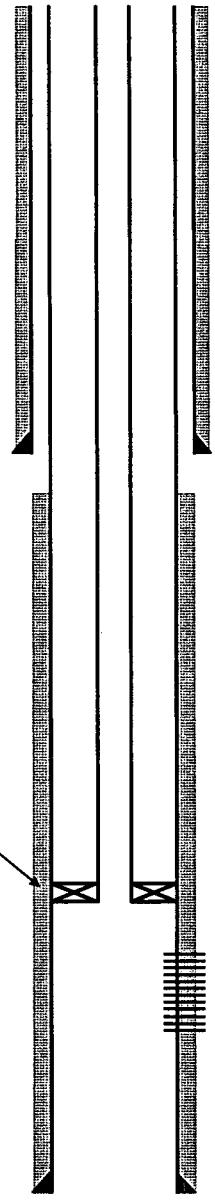
***Subsequent Workovers***

~~4-29-99~~ tag fill @ 6521, c/o scale & iron sulfide to 6667, perf 6508-12, 6516-29, 6534-38, acidize Drk perfs 6508-6538 w/ 4000gal 15% NEFE HCL, acid wash w/ sonic hammer 6508-6658 w/ 4000gal 15% NEFE HCL, wash 6548-6655 w/ 2000gal 15% NEFE HCL

***Tubing Detail***

2 3/8" Western Falcon Poly lined set @ 6483'

1.25 profile nipple



Pkr set at 6483'

6508-6655

**Prod. Csg:** 5 1/2" 17# L-80 & WC-50
15.5# J-55
**Set:** @ 7575' w/ 1300 sx class 'H' cmt
**TOC** @ 1500' by TS

**PBTD:** 7452'
**TD:** 7575'

**Updated:** 7-22-02

# West Dollardhide Drinkard # 131

| Location: |
|---|
| 2150' FNL & 850' FEL |
| Section: 32 |
| Township: 24S |
| Range: 38E Unit: H |
| County: Lea State: NM |

| Well ID Info: |
|---|
| Chevno: |
| API No: 30-025-31995 |
| Compl. Date: 6-16-94 |

| Elevations: |
|---|
| GL: 3185' |
| KB: 3196' |
| DF: |

**Surf. Csg:** 8 5/8" 24# WC-50
**Set:** @ 1160' w/ 325 sx class 'C' cmt
**TOC** @ surf by circ

***Completion data***

sqz Brafenhead w/ 300 sx cmt down annulus

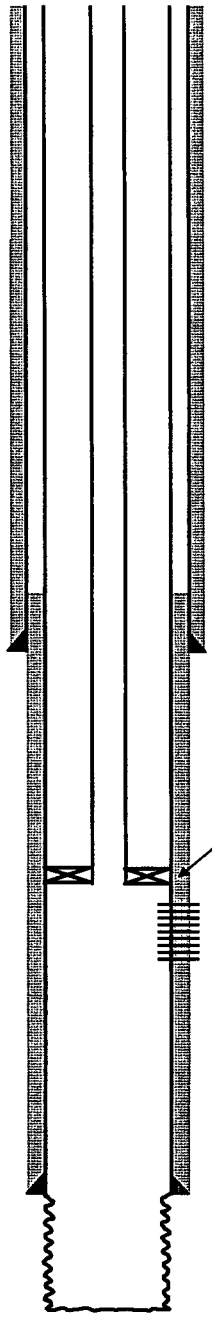
perf 6485-6500, 6504-08, 6512-44, 6552-60, 6566-79, 6584-06, 6628-32, 6653-58

acidize w/ 7800gal 15% NEFE

***Subsequent Workovers***

***Tubing Detail***

2 3/8" set @ 6458'




**Prod. Csg:** 5 1/2" 15.5# CF-50
17# WC-50 & L-80
**Set:** @ 7000' w/ 900 sx class 'H' cmt
**TOC** @ 1600 by TS

**TD:** 7000'

**Updated:** 7-16-02

# West Dollardhide Drinkard # 139

| Location: |
| --- |
| 420' FNL & 1900' FWL |
| Section: 5 |
| Township: 25S |
| Range: 38E |
| County: Lea State: NM |

| Well ID Info: |
| --- |
| Chevno: QU3176 |
| API No: 30-025-31999 |
| Compl. Date: 6-27-94 |

| Elevations: |
| --- |
| GL: 3135 |
| KB: 3146 |
| DF: 3145 |

**Surf. Csg:** 8 5/8" 24# WC-50
**Set:** @ 1157' w/ 325 sx class 'C' cmt
**TOC** @ surf by circ

***Completion data***

perf w/ 4 JSPF 6306-18, 6323-25, 6329-32, 6336-50, 6355-58, 6362-73, 6378-93, 6396-6408, 6414-21, 6444-48, 6473-77

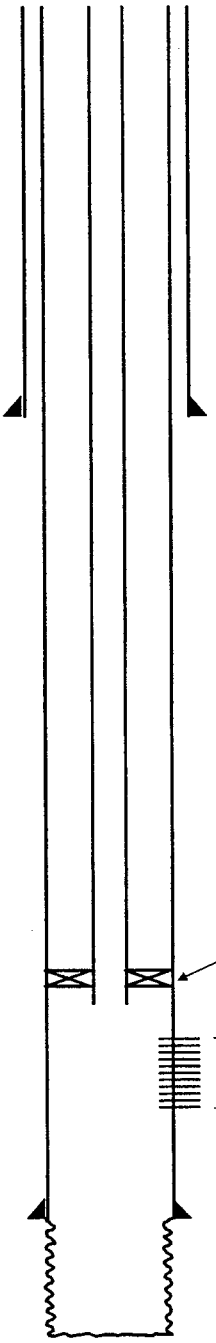
acidize w/ 6800gal 15% NEFE

***Subsequent Workovers***

**4-2-01** using Dowell 1 1/4" coil tbg, wash 5' crusty fill down to 6299 - can go no deeper, spot 5 bbl acid - makes no change, drill through 6299-6305, drill through bridges at 6349 & 6370, wash to 6745 w/ 12 bbl acid, acidize w/ 4284 gal 15% NEFE, displace to bottom perf w/ 2% KCL fresh water

***Tubing Detail***

2 3/8" set @ 6269'




**Prod. Csg:** 5 1/2" 17# L-80
17# WC-50
15.5# WC-50
**Set:** @ 6900' w/ 1525 sx class 'H' cmt
**TOC** @ surf by circ

**PBTD:** 6749'
**TD:** 6900'

**Updated:** 7-16-02

# West Dollardhide Drinkard # 140

| Location: |
|---|
| 1980' FSL & 1850' FEL |
| Section: 32 |
| Township: 24S |
| Range: 38E |
| County: Lea State: NM |

| Well ID Info: |
|---|
| Chevno:QU2887 |
| API No: 30-025-32162 |
| Compl. Date: 10-26-93 |

| Elevations: |
|---|
| GL: 3184' |
| KB: 3197' |
| DF: 3196' |

**Surf. Csg:** 8 5/8" 24# WC-50
**Set:** @ 1210' w/ 500 sx class 'C' cmt
**TOC** @ surf by circ

***Completion data***

perf w/ 4 JSPF 6496-6504, 6510-6524, 6528-6557, 6579-6584, 6608-6612

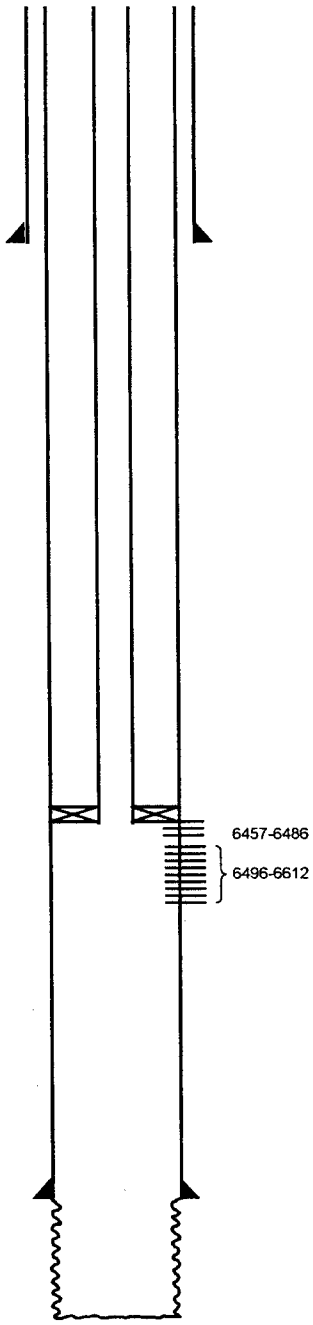
acidize w/ 5000gal 15% HCL

***Subsequent Workovers***

**6-3-99** clean out iron sulfide & scale to 6610, circ hole clean, perf 6457-6486 w/ 2 JSPF 120 degree phasing acid wash perfs 6457-6612 w/ sonic hammer w/ 4000gal 15% NEFE HCL, wash perfs 6457-86 w/ 2000gal 15% NEFE HCL and perfs 6496-6612 w/ 2000gal 15% NEFE HCL, acidize 6457-6486 w/ 4000gal 15% NEFE HCL & 2500# rock salt, flush w/ 40 bbl 2%

***Tubing Detail***

2 3/8" set @ 6457'

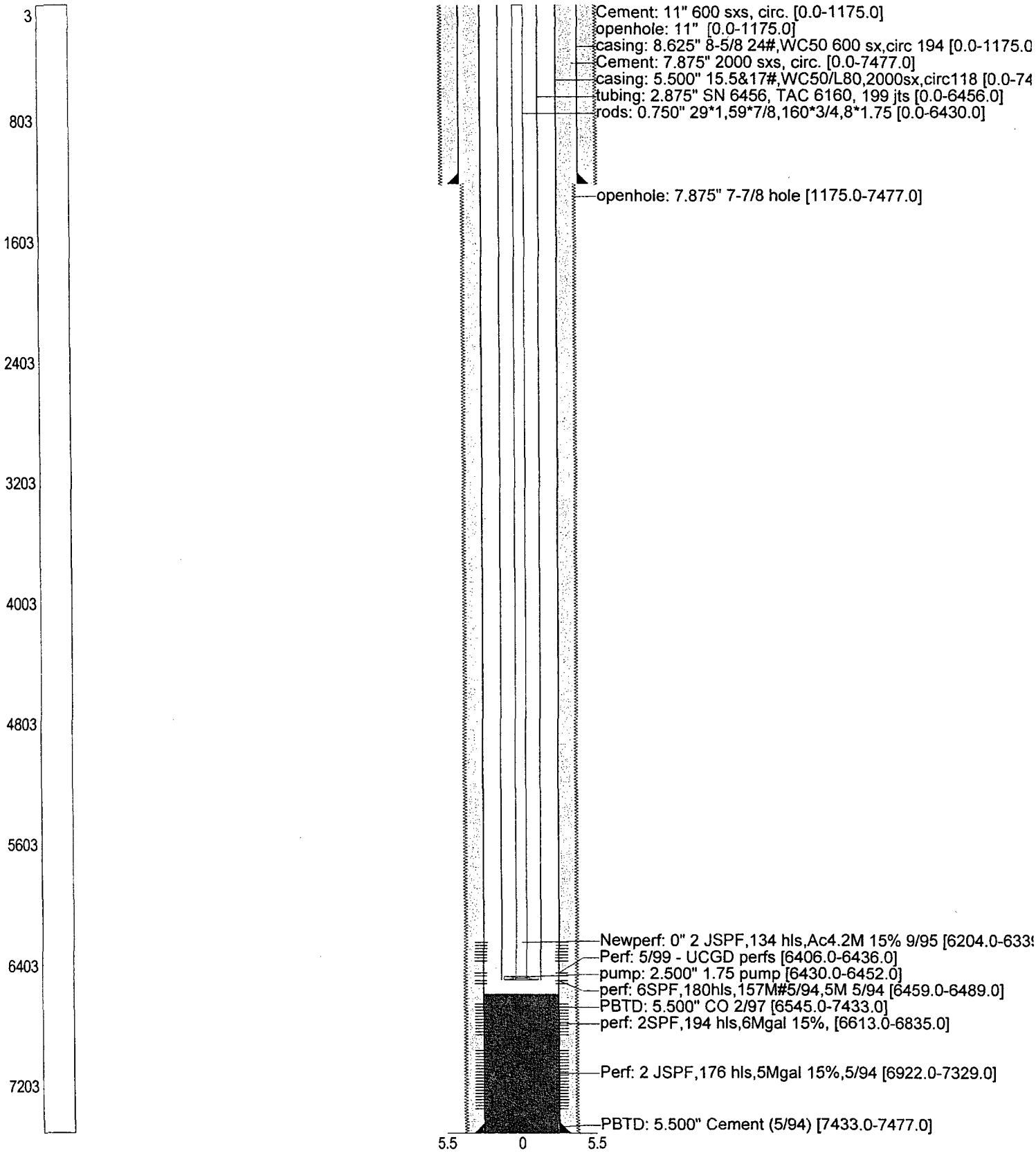



**Prod. Csg:** 15.5" 15.5 & 17#
**Set:** @ 7530' w/ 2000 sx cmt
**TOC** @ 700 by TOC

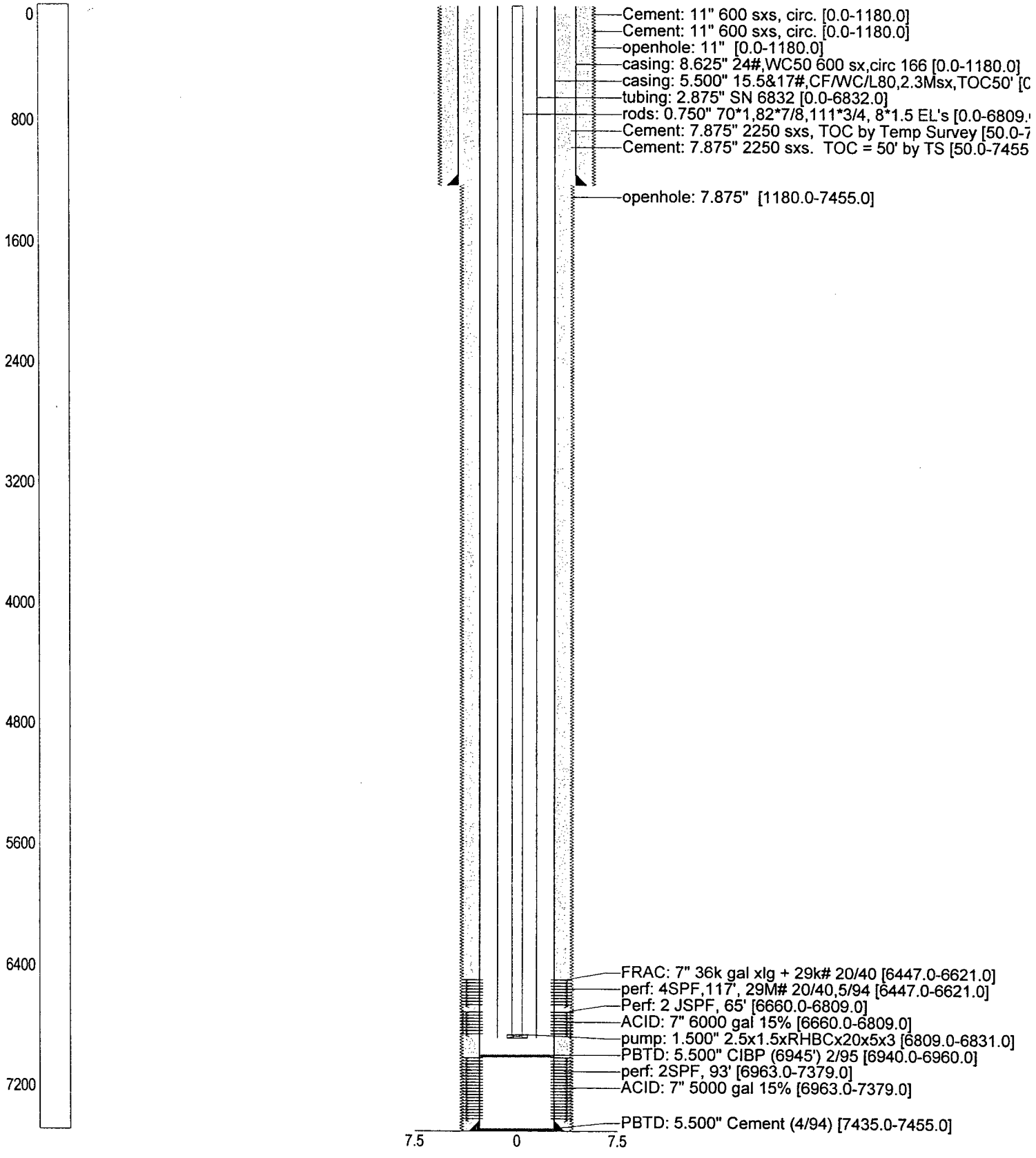
**TD:** 7362'

**Updated:** 7-16-02

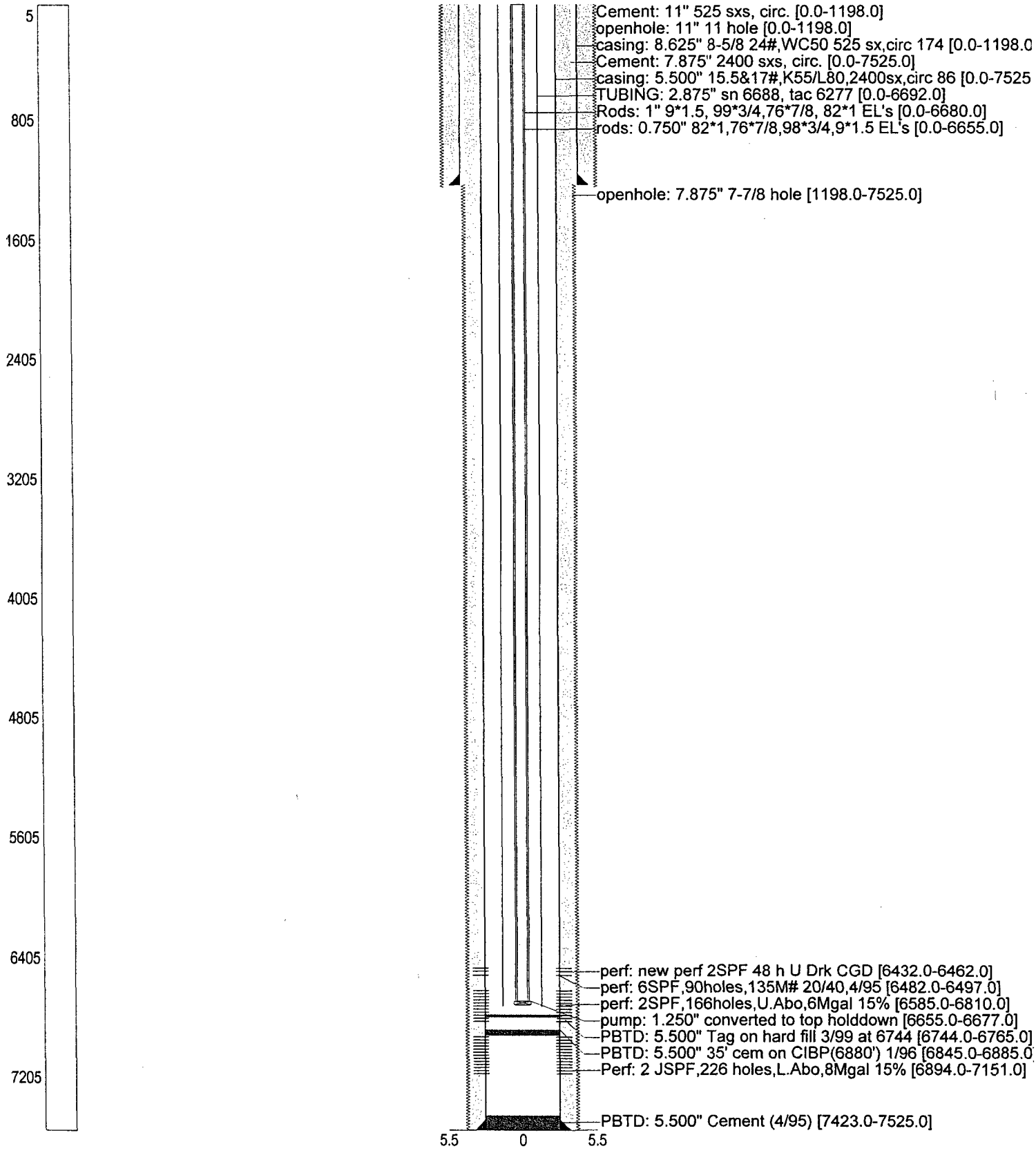
**West Dollarhide Drk # 144 API # 3002532372**
Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM
Name: WDDU144 ID: QU2005:0 Type: PR Date: 2/24/2003



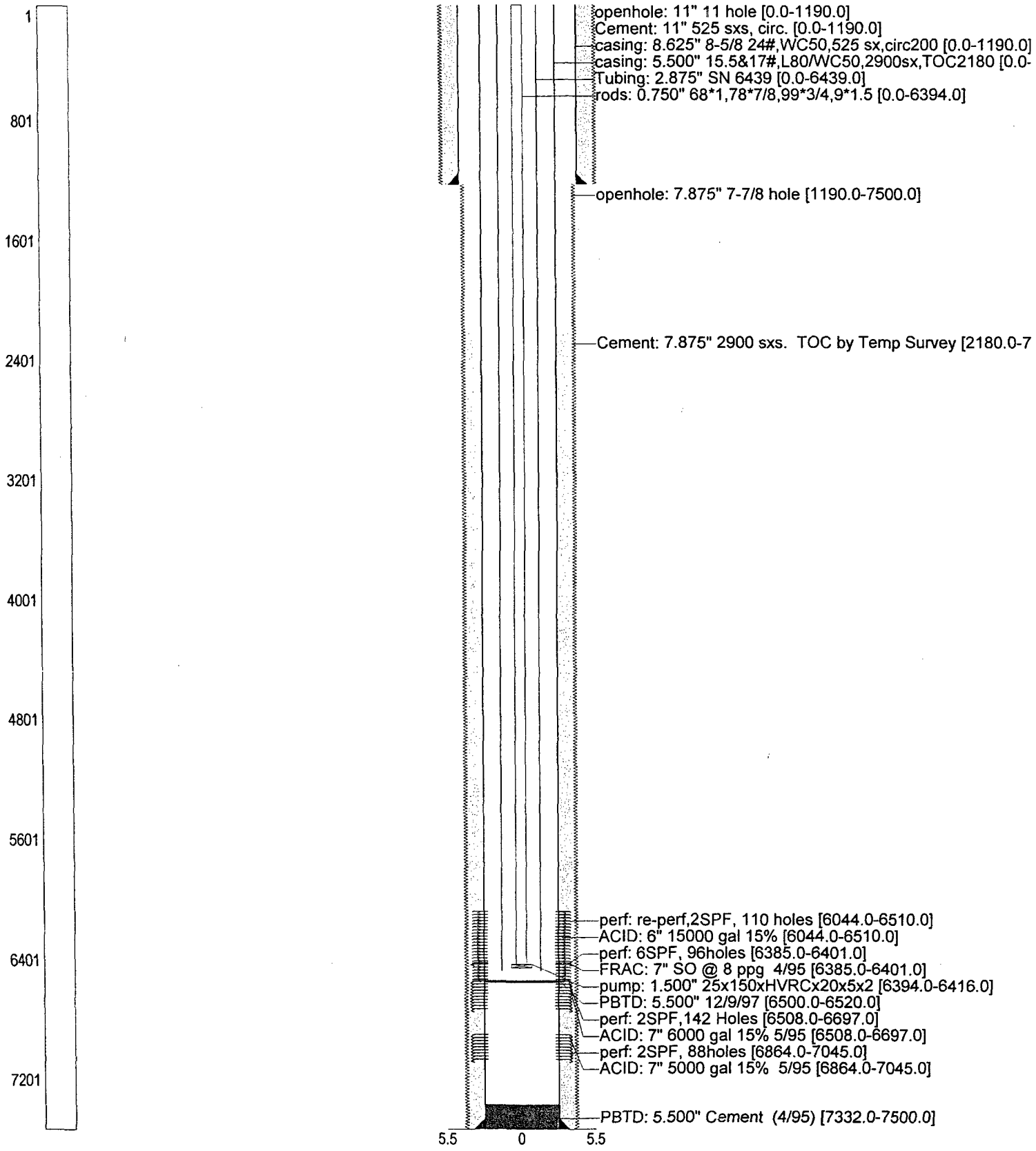
**West Dollarhide Drk # 145 API # 3002532373**
Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM
Name: WDDU145 ID: QU2091:0 Type: PR Date: 2/24/2003



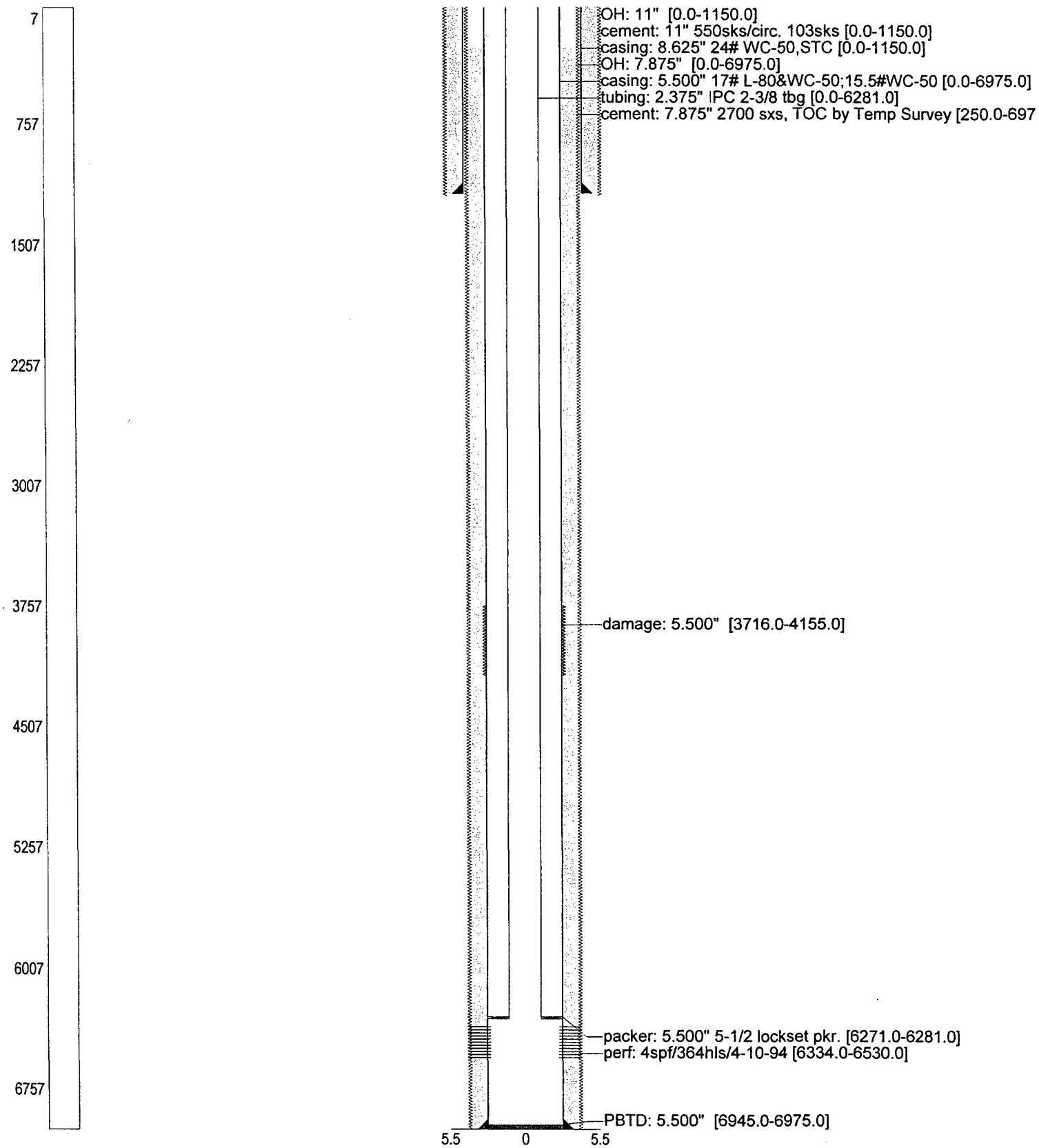
**West Dollarhide Drk # 147 API # 3002532843**
Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM
Name: WDDU147 ID: BC1123:0 Type: PR Date: 2/24/2003



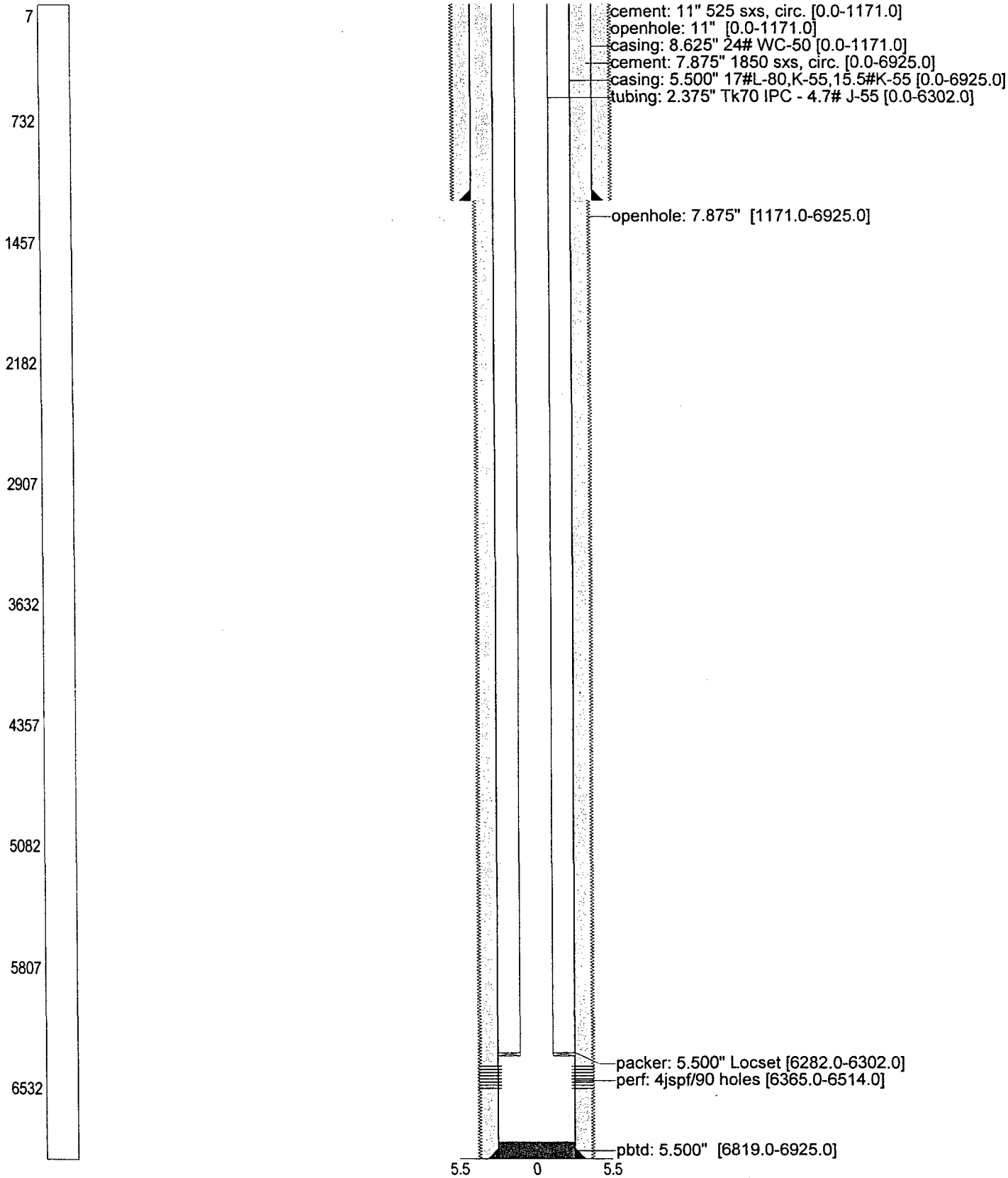
**West Dollarhide Drk # 149 API # 300253277001**
Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM
Name: WDDU 149 DH ID: BC1104:0 Type: UN Date: 2/24/2003



**West Dollarhide Drk # 150 API # 3002532773**
Shut-In Injection Well, Sec. 31, T24S, R38E, Lea County, NM
Name: WDDU 150 DH ID: BC1107:0 Type: UN Date: 2/24/2003



**West Dollarhide Drk # 151 API # 3002532772**
Active Injection Well, Sec. 5, T25S, R38E, Lea County, NM
Name: WDDU 151 DH ID: BC1106:0 Type: UN Date: 2/24/2003



**WELL DATA SHEET**

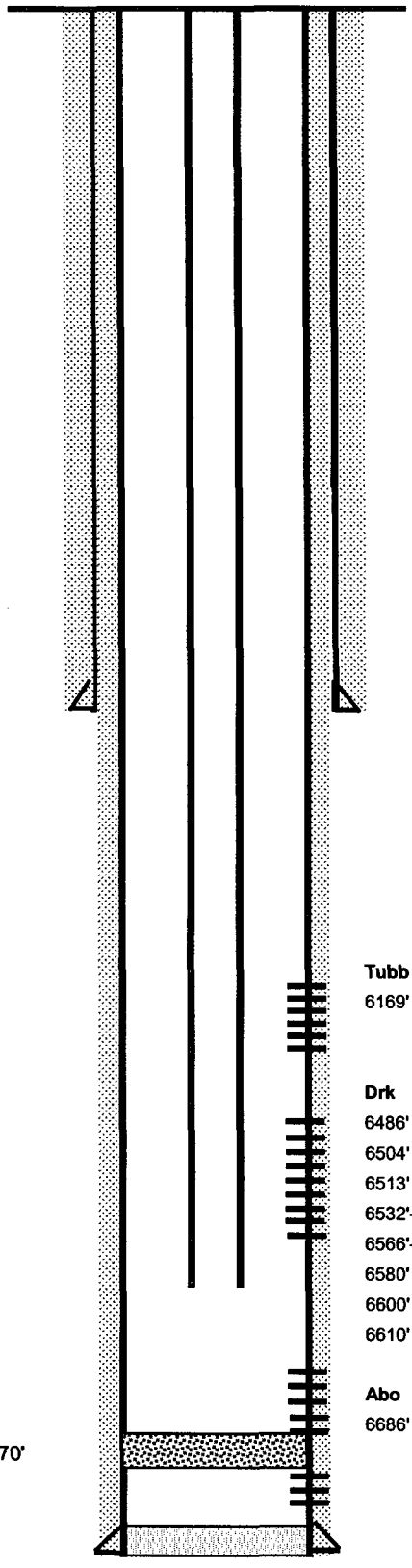
**FIELD: WDDU** | **WELL NAME: West Dollarhide Drinkard Unit # 153** | **FORMATION: Drinkard**

LOC: 1150' FSL & 800' FWL | SEC: 33 | GL: 3177' | CURRENT STATUS: Active Oil Well

TOWNSHIP: 24S | COUNTY: Lea | KB: | API NO: 30-025-33401

RANGE: 38E | STATE: NM | DF to GL: | Chevno: BK3006

Unit Letter: M | Spud : 6-16-96



| | |
|---|---|
| Date Completed: 7-24-96 | Initial: Production |
| Initial Formation: Tubb-Drinkard & ABO | 80 BOPD, 25 MCF |
| FROM: 6486' TO: 7094' | 183 WTR |

8-5/8" OD, 24#
Set @ 1170' w/525 sx cmt.
TOC @ Surface

**Completion data:**

Spud 6-16-96, Completed 7-24-96

Perf's: ABO 6686'-7094' - w/2 JSPF - Acdz w/12K gals 15% HCL

& Tubb-Drinkard 6486' - 6613' - w/2 JSPF - Acdz w/9K gals 15% HCL

Initial Test: 8-17-96

24 Hrs., Open Choke

80 Oil, 25 MCF, 183 Wtr.

**Subsequent Workover or Reconditioning:**

**1-21-97** Tag fill @ 7120', ran bit & scraper to 7120'. Perf'd Tubb zone, w/2 JSPF, 6169' - 6334' (170 - .47" holes). Perf'd Drk zone w/2 JSPF, 6370' - 6374', (8 - 47" holes). Ran Pkr & tst @ 5000 psi. Set pkr @ 6051'. Tst annulas to 500 PSI, held. Acdz Tubb & Drk w/6000 gals 15% NE FE. Rld pkr & POH. SN @ 7094'. Ran pmp & rods, tst: 41 oil, 159 wtr, 88 mcf.

**7-30-02** Trip in hole w/bit & scraper to 6720'. Set CIBP @ 6670', tst 30 mins, ok. Perf DRK @ 6486'-6500', 6504'-08', 6513'-22', 6532'-62', 6566'-76', 6580'-86', 6600'-02'. 6610'-13'. Acdz w/3000 gals 15% NE FE HCL, Frac w/YF140 & 20/40 carbo-lite & 14,000 gals YF140. TIH w/bailer, Tag @ 6530', TIH w/SN, TAC, 192 jts, TAC will not set. EOT @ 6597', TAC @ 6025'. Ran gas anchor, K-bars, subs, Rpl boxes, load & tst.

**Tubb**
6169' - 6334'

**Drk**
6486' - 6500'
6504' - 08'
6513' - 22'
6532'-62'
6566'-76'
6580' - 86'
6600' - 02'
6610' - 13'

**8/1/2002**
172 holes w/2 JSPF
120 degs. Phasing

**Abo**
6686' - 7094'

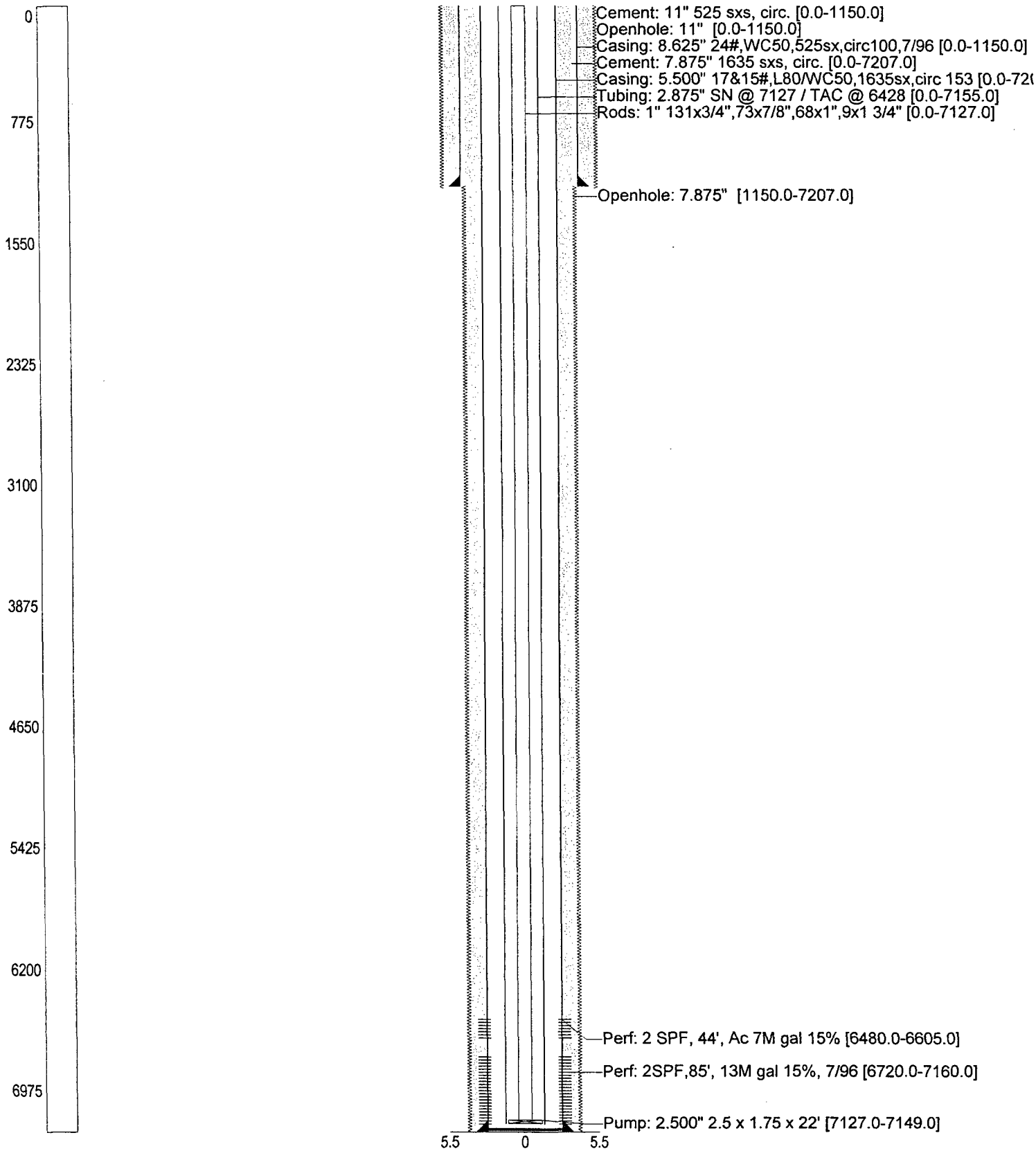
5-1/2" OD, 15.5 & 17# csg
Set @ 7200' w/2050 sx cmt.
TOC @ Surface

CIBP @ 6670'

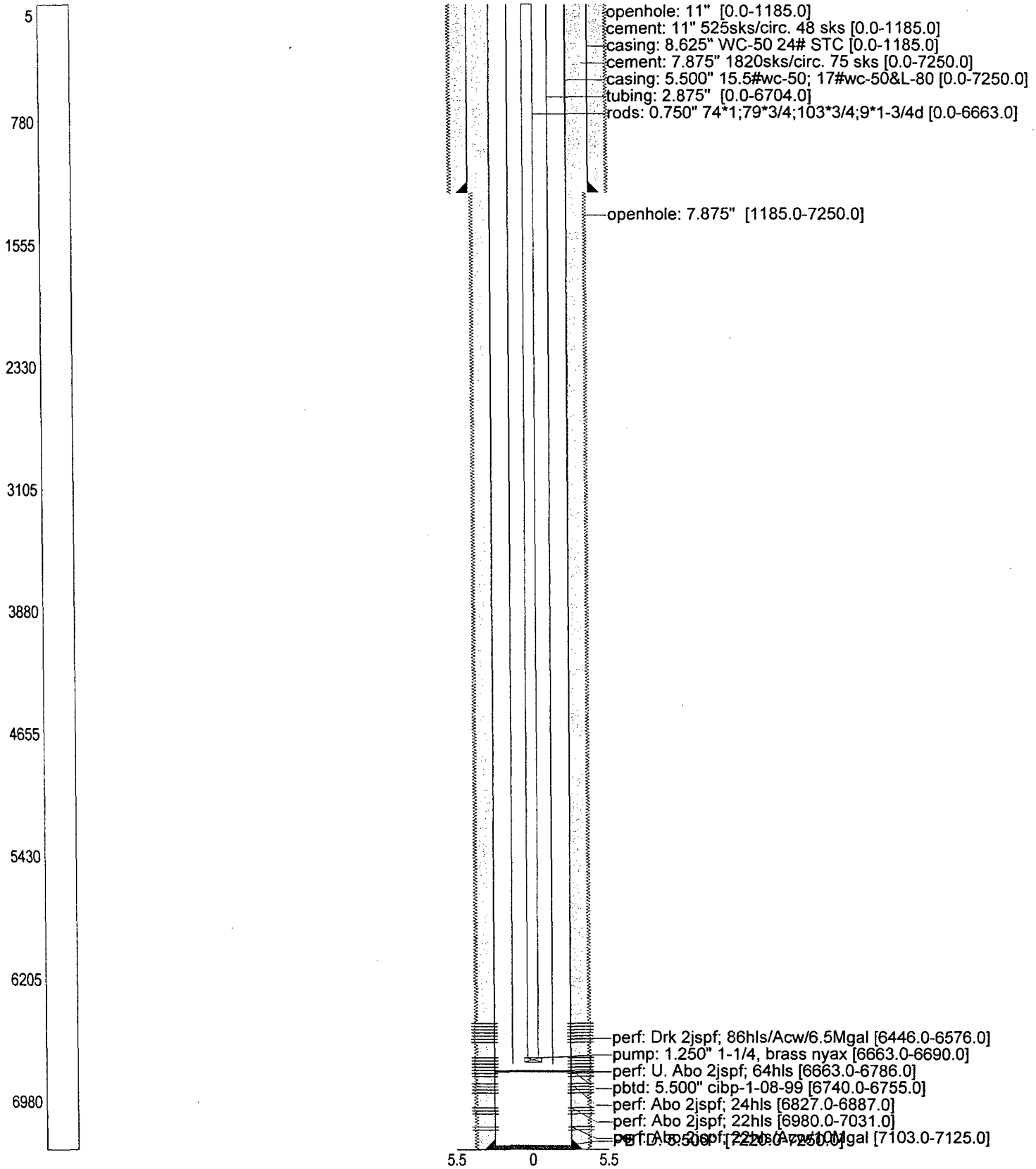
**TD @ 7200'**

FILE: WDDU153WB.XLS
Chay: 8-15-03

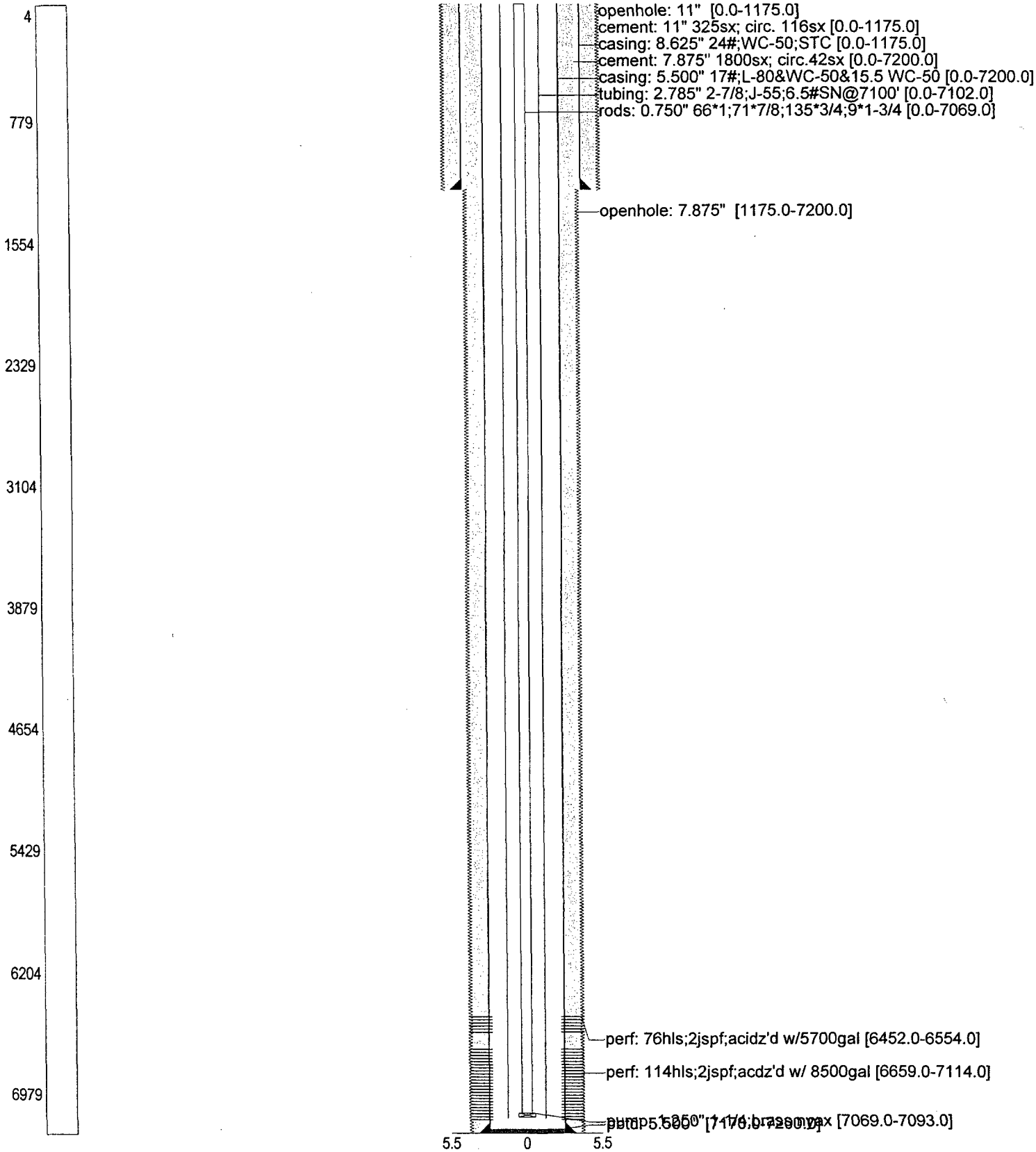
**West Dollarhide Drk # 154 API # 3002533402**
Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM
Name: WDDU154 ID: BJ7068:0 Type: PR Date: 2/24/2003



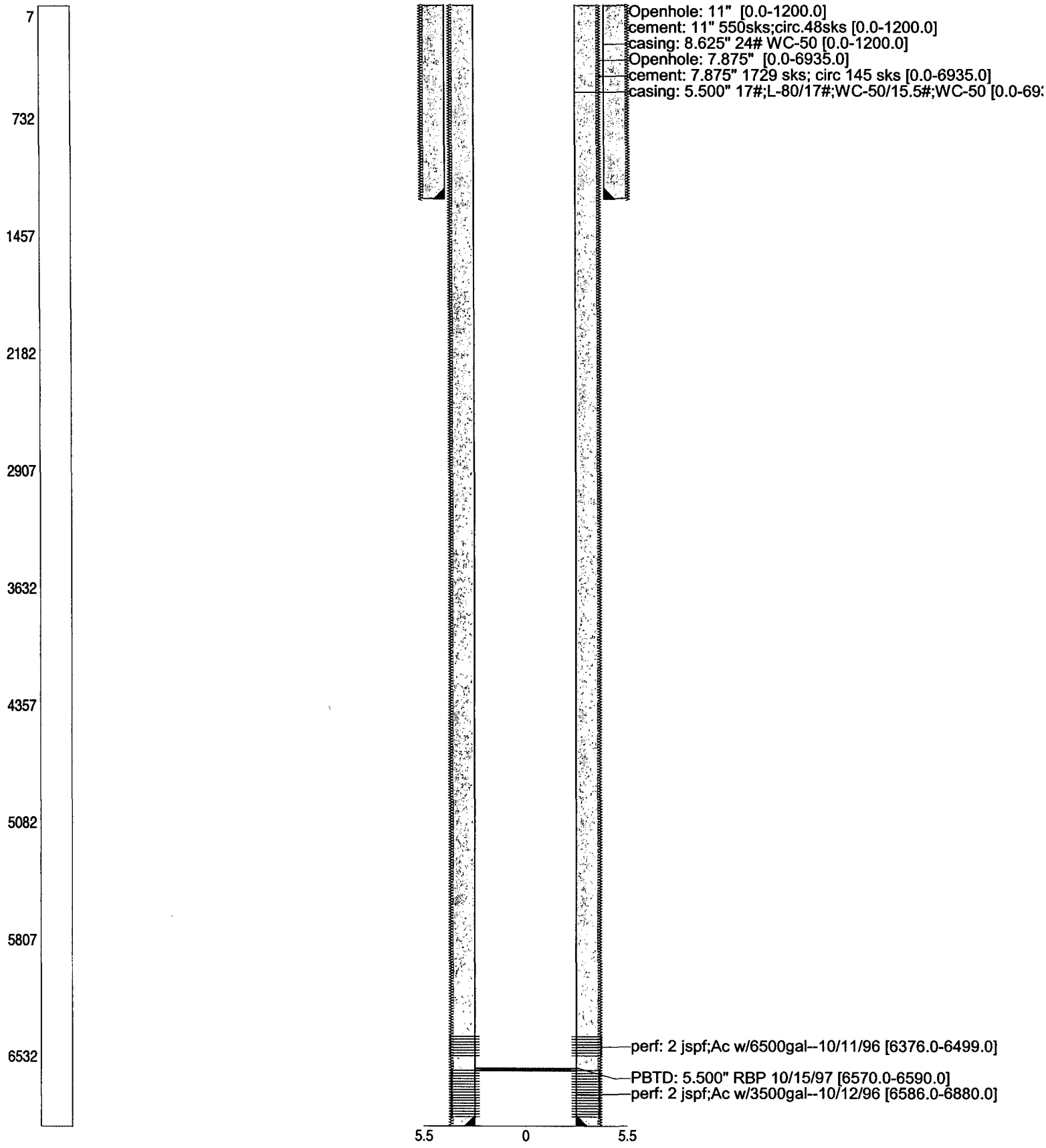
**West Dollarhide Drk # 155 API # 3002533403**
Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM
Name: WDDU155 ID: BJ4795:0 Type: PR Date: 2/24/2003



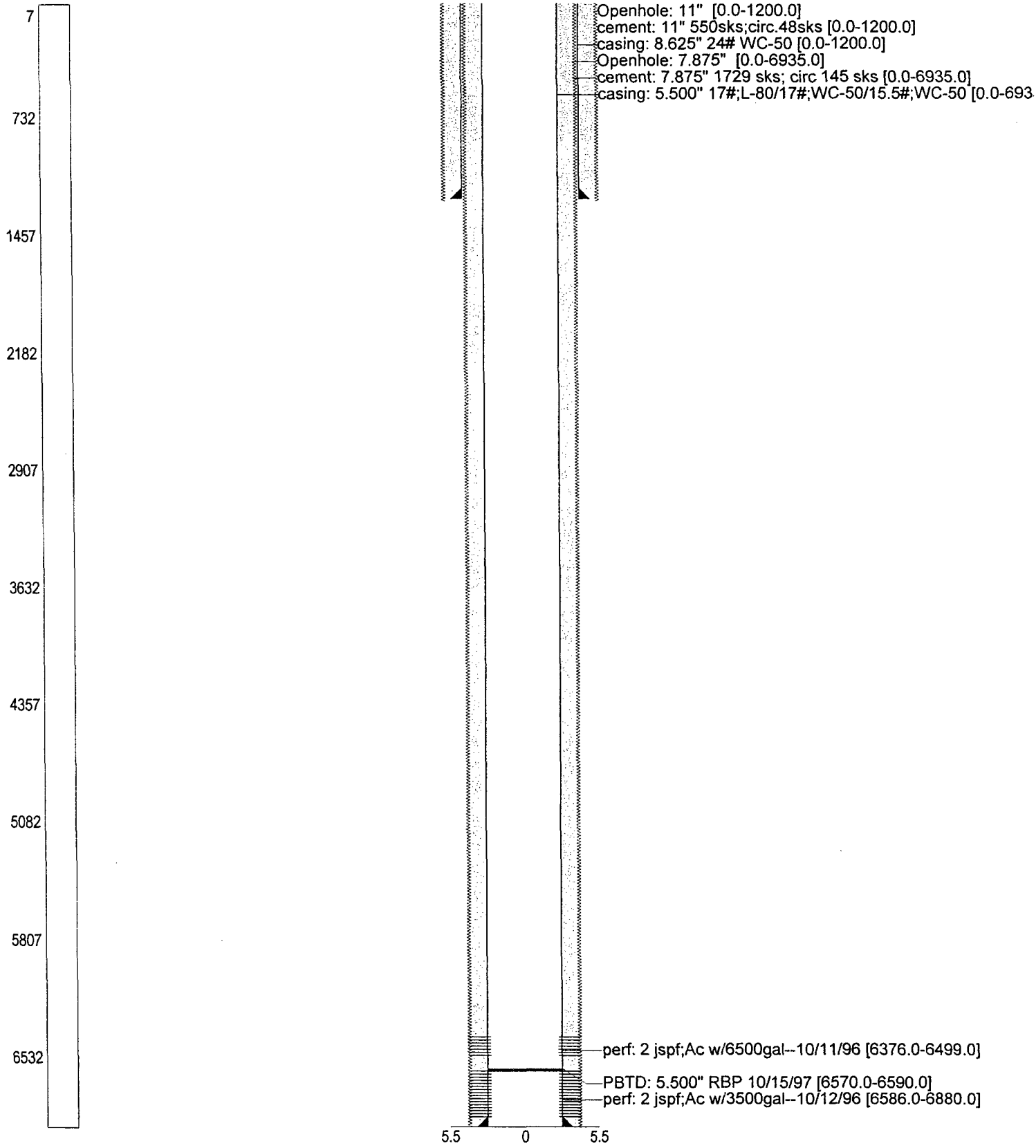
**West Dollarhide Drk # 156 API # 3002533413**
Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM
Name: WDDU156 ID: BK8920:0 Type: PR Date: 2/24/2003



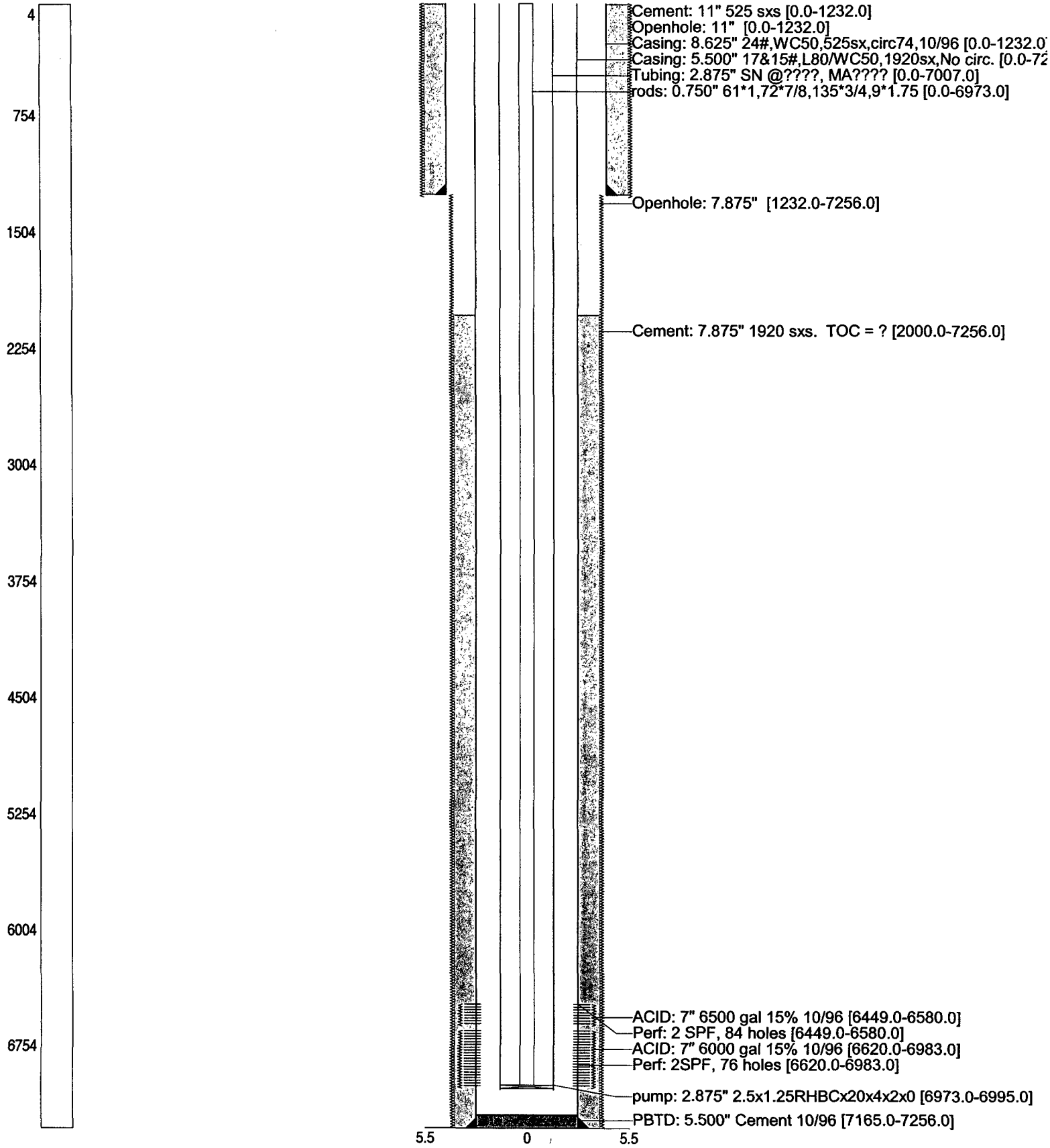
Name: WDDU157 ID: BK8919:0 Type: SI Date: 4/20/2004



**West Dollarhide Drk # 157 API # 3002533404**
Inactive Oil Well, Sec. 31, T24S, R38E, Lea County, NM
Name: WDDU157 ID: BK8919:0 Type: PR Date: 2/24/2003



Name: WDDU158 ID: BL8625:0 Type: PR Date: 3/9/2004



*Fax - 432-687-7557*

-----Original Message-----
**From:** Catanach, David [mailto:DCATANACH@state.nm.us]
**Sent:** Monday, June 14, 2004 10:25 AM
**To:** Haynie, Carolyn (CHaynie)
**Subject:** RE: C108

Hi Carolyn, Got your phone message. I've not yet looked at your application, however, it will be in the next day or so. I'll let you know when I
approve it.

David

-----Original Message-----
**From:** Haynie, Carolyn (CHaynie) [mailto:CHaynie@chevrontexaco.com]
**Sent:** Thursday, June 10, 2004 12:27 PM
**To:** wvjones@state.nm.us; dcatanach@state.nm.us
**Subject:** C108

Hi Will and David,

I'm wondering if either of you have worked on or know who I can contact, about the C108 for the West Dollarhide Drinkard Unit wells # 105H, 108H, 155 & 156, Convert to Injection.

We are wondering about the status of the approval.

Thanks,

*Carolyn J. Haynie*
*New Mexico Waterflood*
*Petro. Eng. Technical Assistant*
*Chevron U.S.A. Production Company*
*15 Smith Road*
*Midland, Texas 79705*
*CHaynie@ChevronTexaco.com*
*Tel - 432-687-7384*
*Fax - 432-687-7557*

For more information please visit http://www.messagelabs.com/email

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## Catanach, David

**From:** Catanach, David
**Sent:** Tuesday, July 06, 2004 2:11 PM
**To:** 'Haynie, Carolyn (CHaynie)'
**Subject:** RE: C108

Carolyn,

Here is a list of area of review wells that I consider to be incomplete as far as the needed information. They may be missing cement data, casing data, cement top information, or some other type of critical information Please look at these and provide the missing data and send me the requested information.

| | |
|---|---|
| WDDU No. 146 | Missing Surface or Intermediate Casing Data |
| WDDU No. 125 | Missing Cement Information |
| WDDU No. 123H | Missing Sx cement Data |
| WDDU No. 113 | Missing Surface or Intermediate Casing Data |
| WDDU No. 92 | Missing Surface or Intermediate Casing Data |
| WDDU No. 80 | Missing Surface Casing Data |
| WDDU No. 76 | Missing Surface Casing Data, Cement Data |
| WDDU No. 75 | Conflicting Cement Data on 7.0" casing. No Liner Cement Data |
| WDDU No. 43 | No Sx Cement Data |
| Mexico L No. 3 | Need a current Wellbore schematic. Casing Collapse Info. |
| Mexico L No. 4 | No Sx Cement Data |
| Mexico L No. 26 | No Sx Cement Data. No Cement Tops |
| WDDU No. 89 | The Cement Top on the 5 1/2 inch casing may not be high enough to cover the injection interval. NMOCD has a policy that all area of review wells have adequate cement on the production casing so as to effectively isolate the injection interval. |

Also on the WDDU No. 105H, Our records show that this well is located 1347 FSL & 1373 FWL. Your data shows 1317' FSL. If our data is correct, you may have to re-publish notice to show the correct well location.

Please provide the requested data at which time I will continue to process your application.

David

-----Original Message-----
**From:** Haynie, Carolyn (CHaynie) [mailto:CHaynie@chevrontexaco.com]
**Sent:** Monday, June 14, 2004 9:29 AM
**To:** Catanach, David
**Subject:** RE: C108

Thanks David, I really appreciate it. :)

*Carolyn J. Haynie*
*New Mexico Waterflood*
*Petro. Eng. Technical Assistant*
*Chevron U.S.A. Production Company*
*15 Smith Road*
*Midland, Texas 79705*
*CHaynie@ChevronTexaco.com*
*Tel - 432-687-7384*

## Catanach, David

**From:** Johnson, Wayne (WAYN) [WAYN@chevrontexaco.com]
**Sent:** Monday, July 19, 2004 2:29 PM
**To:** DCATANACH@state.nm.us
**Cc:** Wann, J D (Denise)
**Subject:** C-108 West Dollarhide Drinkard Unit

David

Attached please find the requested data. Your records of the location of the WDDU #105 are correct.
Please advise if you need any additional information

<<WDDU #105H conversion.doc>> <<WDDU-OCD letter2004.DOC>> <<C-108 cmt info.xls>> <<C-108 WDDU105_H-WB.XLS>> <<Mexico_L_3_WBD.xls>>

<<WDDU113_H-WB.XLS>> <<WDDU89.xls>>

Wayne P. Johnson
ChevronTexaco
(432)687-7379
wayn@chevrontexaco.com

-----Original Message-----
**From:** Haynie, Carolyn (CHaynie)
**Sent:** Tuesday, July 06, 2004 3:20 PM
**To:** 'Catanach, David'
**Subject:** RE: C108

Thanks David! We'll get these to you.
-----Original Message-----
**From:** Catanach, David [mailto:DCATANACH@state.nm.us]
**Sent:** Tuesday, July 06, 2004 3:11 PM
**To:** Haynie, Carolyn (CHaynie)
**Subject:** RE: C108

Carolyn,
Here is a list of area of review wells that I consider to be incomplete as far as the needed information. They may be missing cement data, casing data, cement top information, or some other type of critical information.

Please look at these and provide the missing data and send me the requested information.
WDDU No. 146 Missing Surface or Intermediate Casing Data
WDDU No. 125 Missing Cement Information
WDDU No. 123H Missing Sx cement Data
WDDU No. 113 Missing Surface or Intermediate Casing Data
WDDU No. 92 Missing Surface or Intermediate Casing Data
WDDU No. 80 Missing Surface Casing Data
WDDU No. 76 Missing Surface Casing Data, Cement Data
WDDU No. 75 Conflicting Cement Data on 7.0" casing. No Liner Cement Data
WDDU No. 43 No Sx Cement Data
Mexico L No. 3 Need a current Wellbore schematic. Casing Collapse Info.
Mexico L No. 4 No Sx Cement Data
Mexico L No. 26 No Sx Cement Data. No Cement Tops

WDDU No. 89 The Cement Top on the 5 1/2 inch casing may not be high enough to cover the injection interval. NMOCD has a policy that all area of review wells have adequate cement on the production casing so as to effectively isolate the injection interval.

Also on the WDDU No. 105H, Our records show that this well is located 1347 FSL & 1373 FWL. Your data shows 1317' FSL. If our data is correct, you may have to re-publish notice to show the correct

well location.
Please provide the requested data at which time I will continue to process your application.
David

| API No | Lease | Well No | Csg (in) | Csg Wt (lbs) | Depth Set (ft) | Hole (in) | Cement Information | DV Tool (ft) | Top of Cement Information |
|---|---|---|---|---|---|---|---|---|---|
| 3002512328 | WDDU | 43 | 13 3/8 | 36 | 310 | 17 1/2 | 190 sx 8% gel & 100 sx neat | | cir |
| | | | 9 5/8 | 32.3 & 36 | 3150 | 12 1/4 | 1st 200sx neat / 2nd 150 sx neat | 1235 | |
| | | | 5 1/2 | 14 & 15.5 | 6715 | 7 7/8 | 125 sx 4% gel & 125 ft3 perlite | | |
| 3002512359 | WDDU | 75 | 9 5/8 | 32 & 36 | 413 | 13 3/4 | 275 sx | | |
| | | | 7 | 23 | 6389 | 8 3/4 | 1st 600 sx 4 % gel & 100 sx neat / 2nd 425 sx 4% gel | 1142 | cir 75 sx 2nd stage |
| | | | 5 lnr | 13 | 5753 - 6869 | | 250 sx class C | | |
| 3002512359 | WDDU | 76 | 8 5/8 | 32 & 28 | 3150 | 11 | 2000 sx | | |
| | | | 5 1/2 | 15.5 | 6540 | 7 7/8 | 450 sx | | |
| 3002512398 | WDDU | 80 | 13 3/8 | 35.6 | 307 | 17 1/4 | 325 sx | | |
| | | | 8 5/8 | 24 | 3149 | 11 | 1475 sx | | |
| | | | 5 1/2 | 15.5 & 17 | 6840 | 7 7/8 | 578 sx | | |
| 3002512317 | WDDU | 89 | 8 5/8 | 32 | 3150 | 11 | 2000 sx | | cir |
| | | | 5 1/2 | 17 & 14 | 8680 | 7 7/8 | 1st 110 sx / 2nd 800 sx | 8154 | cir 15 sx 1st stage |
| 3002530228 | WDDU | 92 | 13 3/8 | 54.5 | 1256 | 17 1/2 | 1300 sx class H | | cir |
| | | | 5 1/2 | 17 | 6920 | 12 1/2 & 7/7/8 | 3005 sx class H | 4014 | cir 160 sx 1st stage & 25 sx 2nd stage |
| 3002531482 | WDDU | 113 | 11 3/4 | 42 | 1150 | 14 3/4 | 890 sx | | cir 200 sx |
| | | | 8 5/8 | 32 | 4200 | 11 | 1380 sx | | cir 210 sx |
| | | | 5 1/2 | 15.5 & 17 | 7435 | 7 7/8 | 1170 sx | | TOC 200' by TS |
| 3002531971 | WDDU | 123H | 11 3/4 | 42 | 1170 | 14 3/4 | 700 sx class C | | cir 112 sx |
| | | | 5 1/2 | 15.5 & 17 | 7455 | 7 7/8 | 3735 sx class H | 4013 | cir 300 sx |
| 3002531972 | WDDU | 125 | 11 3/4 | 42 | 1175 | 14 3/4 | 700 sx class C | | cir 45 sx |
| | | | 5 1/2 | 15.5 & 17 | 7565 | 7 7/8 | 2650 sx class H | | cir 213 sx |
| 3002532374 | WDDU | 146 | 8 5/8 | 24 | 1200 | 11 | 6000 sx | | cir 242 sx |
| | | | 5 1/2 | 15.5 & 17 | 6950 | 7 7/8 | 2225 sx | | TOC 1300' by TS |
| 3002512367 | Mexico L | 3 | 13 | 40 & 50 | 260 | 18 | 260 sx | | cir |
| | | | 9 5/8 | 36 | 3150 | 12 1/4 | 1900 sx | | cir |
| | | | 5 1/2 | 17 | 10215 | 7 7/8 | 1470 sx | 8380 | |
| 3002512368 | Mexico L | 4 | 13 3/8 | 54.5 | 250 | 18 | 250 sx | | cir |
| | | | 8 5/8 | 32 | 3150 | 12 1/4 | 1800 sx | | cir |
| | | | 5 1/2 | 15.5, 17 & 20 | 10200 | 7 7/8 | 1st 590 sx / 2nd 780 sx | 8264 | |
| 3002525672 | Mexico L | 26 | 13 3/8 | 48 | 688 | 17 1/2 | 700 sx lite & 150 sx class C | | cir 150 sx |
| | | | 8 5/8 | 24 & 32 | 3824 | 11 | 800 sx lite & 300 sx class C | | cir 25 sx |
| | | | 5 1/2 | 15.5 & 17 | 8900 | 7 7/8 | 1st 350 sx class C / 2nd 850 sx lite & 300 sx class C | 7209 | cir 25 sx 1st stage & 50 sx 2nd stage |

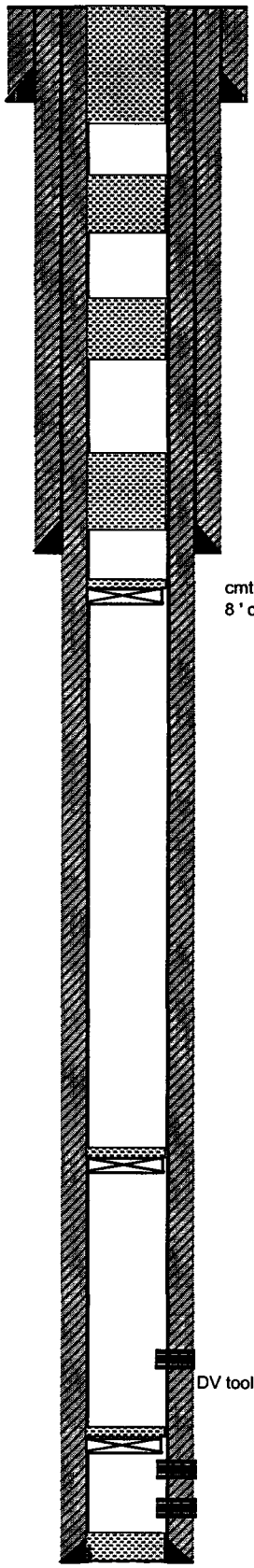
Well: Mexico L #3 Field: West Dollarhide Reservoir:

**Location:**
660' FNL & 1980' FEL
Section: 5 (NW/4 NE/4)
Township: 25S
Range: 38E Unit: B
County: Lea State: NM

**Elevations:**
GL: 3155'
KB:
DF: 3168'

| Log Formation Tops | |
|---|---|
| Rustler | 1166' |
| Yates | 2624' |
| San Andres | 3964' |
| Glorietta | 5080' |
| Tubb | 5950' |
| Abo | 6485' |
| Devonian | 7422' |
| Silurian | 7613' |
| Montoya | 8722' |
| Simpson | 9038' |
| McKee | 9274' |
| Ellenburger | 9957' |
| | |

## Current Wellbore Diagram




**COTD:**
**PBTD:** surf
**TD:** 10215'

| Perfs | Status |
|---|---|
| 8298-8308' | Fusselman - closed |
| 9946.5, 9949', 9958', 9961', 9965' & 9967' | Ellenburger - closed |
| 10118'-10166' | Ellenburger - closed |

**Updated:** 7-19-04 by WAYN

By: W.P. Johnson

**Well ID Info:**
Chevno: FB3304
API No: 30-025-12367
L5/L6: U88
Spud Date: 1/9/52
Rig Released: 4/12/52
Compl. Date: 4/19/52

**Surface Csg:** 13" 40 & 50# H-40 STC
**Set:** @ 260' w/ 260 sx cmt
**Hole Size:** 18"
**Circ:** Yes **TOC:** Surface
**TOC By:** Circulation

## IN CONSTRUCTION

**Initial Completion:**
**4/19/52 Perf** 10118-10166

**Subsequent Work**
**5/66 Perf** 9946.5, 9949, 9958, 9961, 9965 & 9967
**Acid** 1000 gals

**2/79** Set CIBP @ 8800 w/38' cmt on top ; **Perf** 2 holes @ 3700 **Sqzd** 5 1/2 csg w/ 550 sx Lite & 200 sx class C ; **Cir** 50 sx cmt ; DO cmt ; locate hole 5100-31 ; pkr @ 4846 ; **Sqz** hole w/ 250 sx class C ; DO cmt ; locate hole 5300-5310 ; **Sqz** hole w/ 300 sx class C ; DO cmt ; tested OK ; **Perf** 8298-8308 **Acid** 3000 gal 15% NE **Acid** 12000 gal 35Q foam using 195000 scf N2

**2/83** Pulled tbg & rods ; Set CIBP @ 6000 ; bad csg 3841-4402 ; **Sqz** w/ 255 sx class C ; DO cmt ; dmp 35' cmt on top of CIBP @ 6000 ; Set cmt ret @ 3601 : Sqz w/ 240 sx class C ; dmp 8' cmt on top of cmt ret ; **Approval to TA 2/10/83**

**2/27/92 P&A** 25 sx cmt 3200-2975 , 25 sx cmt 2550-2331, 25 sx cmt 1216-991, 35 sx cmt 310-surf

**Intermediate Csg:** 9 5/8" 36# K-55 & N-80 LT&C
**Set:** @ 3150' w/ 1900 sx cmt
**Hole Size:** 12 1/4"
**Circ:** Yes **TOC:** Surface
**TOC By:** Circulation

**Prod. Csg:** 5 1/2" 17#
**Set:** @ 10215' w/1470 sx cmt DV tool @ 8380'
**Hole Size:** 7 7/8"
**Circ:** No **TOC:** 3710'
**TOC By:** CBL

# WELL DATA SHEET

**FIELD:** West Dollarhide Drinkard Unit **Well No:** 113H **FORMATION:** Drinkard

**LOC:** 136' FSL & 1246' FWL **Sec:** 32 GL: 3140' CURRENT STATUS: Producer

**TOWNSHIP:** 24S **Cnty:** Lea KB: 3158' API NO: 30-025-31482

**RANGE:** 38E **State:** NM DF: 3157' Chevno: QU2103

SPUD: 9-17-92

| | |
|---|---|
| Date Completed: 10-26-92 | Initial: Production |
| Initial Formation: Drinkard | 117 Oil, 128 Gas, 322 WTR |
| FROM: 6308 TO: 7216 | |

**Completion data:** Perf (1jspf) 7166-72, 7178-86, 7194-97, 7209-16 : A/ 2700 gal 15% NEFE ; Perf (1 jspf) 6788-98, 6818-22, 6841-45, 6860-66, 6894-98, 6950-55, 6958-60, 6972-80, 6992-96, 7034-38 : A/ 5300 gal 15% NEFE ; Perf (2jspf) 6308-12, 6331-34, 6338-51, 6356-66, 6370-72, 6378-6400, 6506-09, 6538-42, 6549-55, 6558-71, 6610-15, 6622-28, 6644-47, 6654-58 : A/ 10300 gal 15% NEFE

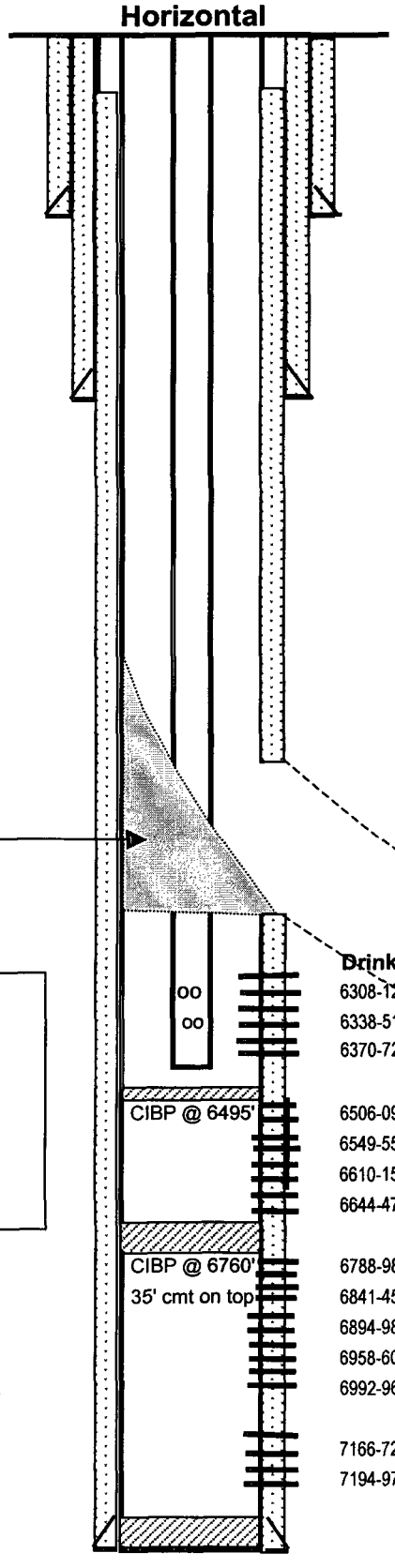
**Subsequent Workover or Reconditioning:**

**1/95** Set CIBP @ 6480 ; cap w/ 10' cmt ; Perf (8 jspf) 6356-66 : F/ 54000 gal & 153560# 20/40 sd

**5/96** DO to 6790 ; Set CIBP @ 6760 ; cap w/ 35' cmt ; PBTD 6725 ; A/ 6506-6658 w/ 3000 gal 15% NEFE ; A/ 6308-6400 w/ 1700 gal 15% NEFE

**8/00** Set CIBP @ 6495 ; A/ 6308-6400 w/ 4000 gal 15% NEFE

**8/02** Drill lateral to MD 8218 ; A/ lateral w/ 10880 gal WF110 & 42471 gal 20% HCL & 34977 gal SXE & 9880 gal scale inhibitor ; DO CIBP @ 6255 & pushed to 6495




**Drinkard Perfs**

| | |
|---|---|
| 6308-12 | 6331-34 |
| 6338-51 | 6356-66 |
| 6370-72 | 6378-6400 |
| 6506-09 | 6538-42 |
| 6549-55 | 6558-71 |
| 6610-15 | 6622-28 |
| 6644-47 | 6654-58 |
| 6788-98 | 6818-22 |
| 6841-45 | 6860-66 |
| 6894-98 | 6950-55 |
| 6958-60 | 6972-80 |
| 6992-96 | 7034-38 |
| 7166-72 | 7178-86 |
| 7194-97 | 7209-16 |

**Additional Remarks:**

Salt @ 1380
Base of Salt @ 2450
Formation Tops
Yates @ 2650
Queen @ 3553
San Andres @ 3940
Glorietta @ 5063
Tubb @ 5936
Drinkard @ 6306
Devonian @ 7371

WDDU113_H-WB.XLS
WAYN 7-15-04

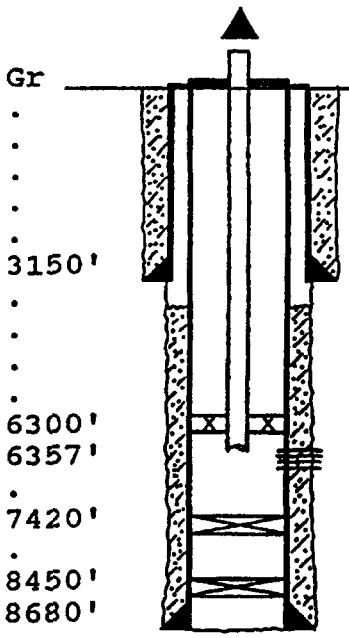
## INJECTION WELL DATA SHEET

**OPERATOR:** Texaco Exploration & Production Inc **Well:** West Dollarhid

**FOOTAGE LOCATION:** 1830 FELx 660 FSL **Sec./Twn/Rng:** Unit O, Sec 32

Proposed conversion of former Mexico J #23 to injection. Lea C

SCHEMATIC




Tops:

| | |
|---|---|
| Salt | 1251'-2493' |
| Queen | 3585' |
| Tubbs | 5970' |
| Drinkard | 6306' |
| Abo | 6504' |

TABULAR D

Surface Casing:

Size 8 5/8, 32# Cement

TOC surface ' determ

Hole Size 11" Co

Intermediate casing:

Size NONE Cement

TOC _____ ' determ

Hole Size _____

Production Casing:

Size 5 1/2",17/14# Cemer

TOC 3330 ' determi

Hole Size 7 3/4"

Injection Interval:

6357 ' to 6663 ' throu

Tubing: 2 3/8", 4.7#, J-

# West Dollardhide Drinkard # 89

| Location: |
|---|
| 660' FSL & 1830' FEL |
| Section: 32 |
| Township: 24S |
| Range: 38E Unit: D |
| County: Lea State: NM |

| Well ID Info: |
|---|
| Chevno: FB3256 |
| API No: 30-025-12317 |
| Compl. Date: 11-27-83 |

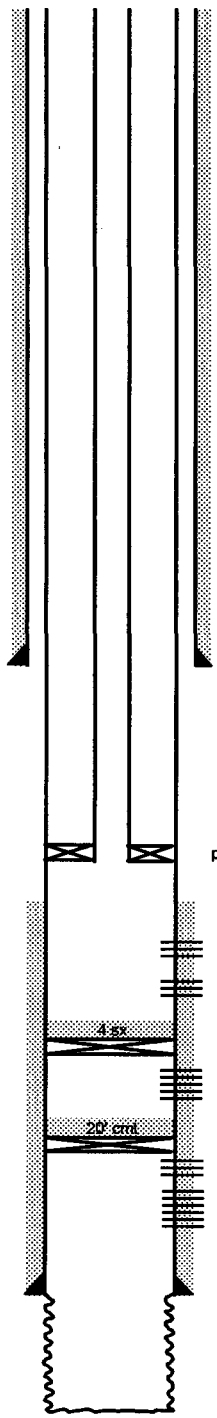
| Elevations: |
|---|
| GL: |
| KB: |
| DF: 3619 |

**Surf. Csg:** 8 5/8"
**Set:** @ 3150' w/ 2000 sx cmt
**TOC** @ surf by circ

*Tubing Detail*

199 jts 2 7/8" tbg
5 1/2" x 2 7/8" T/A
land tbg @ 6730'
T/A @ 6514

**Production Csg:** 5 1/2"
**Set:** @ 8680 ' w/ 920 sx cmt
**TOC** @ 6273 by TS




**TD:** 8680

*Completion data*

perf 8588-90, 8592-94, 8598-8608, 8612-24, 8646-64

acidize w/ 500gal mud acid
acidize w/ 3000gal 15%
acidize w/ 7000gal 15%

*Subsequent Workovers*

**6-18-80** perf 8508, 10, 14, 16, 20, 22 spot 100gal 15% NE iron stabilized acid 8530-8430, acidize w/ 3000gal 15% NE iron stabilized acid & 15 ball seal

**4/19/83** perf 7489-95 7505-06, 7510-12, 7516-18, 7526-30, 7547-57, 7563-68, 7575-82, 7590-94, 7599-7609, spot 150gal 15% NE acid 7444-7604, treat perfs 7489-7609 w/ 7500gal 15% XLA-5 & 2700gal 15% NE acid w/ 40 ball sealers

**11-12-83** clean out to 7571
perf 6357, 65, 66, 68, 74, 82, 84, 88, 89, 97, 6405, 17, 22, 31, 32, 46, 55, 57, 70, 72, 80, 90, treat perfs w/ 4700gal 15% HCL & 80 ball sealers

**1-19-84** pump down tbg 3 drums scale inhibitor

**4-30-86** spot 2 drums techniclear 405 @ 6357-6490, acidize w/ 1000gal 15% NEFE & ball sealers, pump 2 drums unichem 756 scale inhibitor, flush w/ 100 bbl fresh water w/ 5gal surficant

**10-20-87** perf 6509-13, 32-47, 57, 58, 64-71, 74-86, 90-95, 6600-07, 14-17, 20, 21, 27, 31-33, 56-6663
acidize 6357-6663 w/ 7500gal 15% NEFE & 300 ball sealers
chemical sqz 6357-6663, 30 bbl fresh water w/ 110 gal scale inhibitor, flush w/ 250 bbl fresh water w/ 5 gal surfacant

**10-14-89** clean out scale 6280-6850, spot 330gal scale converter 6357-6663 acidize perfs 6357-6663 w/ 4000gal 15% NEFE, pump 3 drums scale inhibitor

**11-6-90** perfs 6357-6663 sqz w/ 3 drums scale inhibitor mixed in 30 bbl fresh water, flush w/ 200 bbl prod water, pump 500gal 15% NEFE acid, flush w/ 36 bbl prod water, max P 1900#, min P 850#, ISIP 1400#

**Updated:** 7-15-02

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 4134
Order No. R-3768

APPLICATION OF SKELLY OIL COMPANY
FOR A WATERFLOOD PROJECT, LEA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on May 21, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 28th day of May, 1969, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Skelly Oil Company, seeks permission to institute a waterflood project in the West Dollarhide Drinkard Unit Area, Dollarhide Tubb-Drinkard Pool, by the injection of water into the Tubb-Drinkard formation through 43 injection wells in Townships 24 and 25 South, Range 38 East, NMPM, Lea County, New Mexico.

(3) That the applicant further seeks an administrative procedure whereby said project could be expanded to include additional lands and injection wells in the area of the said project as may be necessary in order to complete an efficient injection pattern; that said administrative procedure should provide for administrative approval for conversion to water injection in exception to the well response requirements of Rule 701 E-5 of the Commission Rules and Regulations.

(4) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(5) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(6) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations; provided however, that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

IT IS THEREFORE ORDERED:

(1) That the applicant, Skelly Oil Company, is hereby authorized to institute a waterflood project in the West Dollarhide Drinkard Unit Area, Dollarhide Tubb-Drinkard Pool, by the injection of water into the Tubb-Drinkard formation through the following-described 43 wells in Lea County, New Mexico:

| COMPANY | LEASE | Well No. | LOCATION Unit | Sec. | T - R |
|---|---|---|---|---|---|
| Texaco Inc. | Paul Stephens | 2 | D | 19 | 24S 38E |
| Texaco Inc. | E. M. Byers | 1 | L | 19 | 24S 38E |
| Texaco Inc. | United Royalty "A" | 3 | F | 19 | 24S 38E |
| Texaco Inc. | United Royalty "A" | 5 | N | 19 | 24S 38E |
| Sinclair Oil & Gas Co. | McClure Fed. | 21 | B | 19 | 24S 38E |
| Sinclair Oil & Gas Co. | McClure Fed. | 19 | J | 19 | 24S 38E |
| Sinclair Oil & Gas Co. | McClure Fed. | 18 | P | 19 | 24S 38E |
| Gulf Oil Corporation | Ramsay "D" | 2 | N | 28 | 24S 38E |
| Skelly Oil Company | Mexico "K" | 1 | P | 29 | 24S 38E |
| Skelly Oil Company | Mexico "K" | 4 | N | 29 | 24S 38E |
| Skelly Oil Company | Mexico "K" | 6 | L | 29 | 24S 38E |
| Skelly Oil Company | Mexico "K" | 9 | J | 29 | 24S 38E |
| Skelly Oil Company | Mexico "K" | 13 | F | 29 | 24S 38E |
| Skelly Oil Company | Mexico "K" | 15 | D | 29 | 24S 38E |
| Ralph Lowe | F. Hair | 1 | F | 30 | 24S 38E |
| Sinclair Oil & Gas Co. | L. E. Vance | 1 | N | 30 | 24S 38E |
| Sinclair Oil & Gas Co. | McClure Fed. | 1 | P | 30 | 24S 38E |
| Sinclair Oil & Gas Co. | McClure Fed. | 5 | J | 30 | 24S 38E |

| COMPANY | LEASE | Well No. | LOCATION Unit | Sec. | T - R |
|---|---|---|---|---|---|
| Sinclair Oil & Gas Co. | McClure Fed. | 8 | H | 30 | 24S 38E |
| Sinclair Oil & Gas Co. | McClure Fed. | 16 | B | 30 | 24S 38E |
| Texaco Inc. | J. B. McGhee | 6 | J | 31 | 24S 38E |
| Texaco Inc. | J. B. McGhee | 7 | P | 31 | 24S 38E |
| Elliott Production | Elliott "H" | 7 | B | 31 | 24S 38E |
| Elliott and Hall | Elliott "R" | 1 | H | 31 | 24S 38E |
| Sunshine Royalty | Elliott Fed. | 1 | F | 31 | 24S 38E |
| Skelly Oil Company | Mexico "J" | 7 | L | 32 | 24S 38E |
| Skelly Oil Company | Mexico "J" | 9 | J | 32 | 24S 38E |
| Skelly Oil Company | Mexico "J" | 16 | P | 32 | 24S 38E |
| Skelly Oil Company | Mexico "J" | 20 | N | 32 | 24S 38E |
| Pan American | State "Y" | 11 | H | 32 | 24S 38E |
| Pan American | State "Y" | 8 | F | 32 | 24S 38E |
| Pan American | State "Y" | 10 | B | 32 | 24S 38E |
| Pan American | State "Y" | 6 | D | 32 | 24S 38E |
| Gulf Oil Corporation | Leonard "I" | 2 | F | 33 | 24S 38E |
| Gulf Oil Corporation | Leonard "G" | 11 | D | 33 | 24S 38E |
| Gulf Oil Corporation | Leonard "G" | 14 | L | 33 | 24S 38E |
| Gulf Oil Corporation | Leonard "G" | 15 | N | 33 | 24S 38E |
| Gulf Oil Corporation | Leonard "G" | 12 | F | 4 | 25S 38E |
| Gulf Oil Corporation | Leonard "G" | 19 | D | 4 | 25S 38E |
| Skelly Oil Company | Mexico "L" | 15 | D | 5 | 25S 38E |
| Skelly Oil Company | Mexico "L" | 17 | B | 5 | 25S 38E |
| Skelly Oil Company | Mexico "L" | 18 | H | 5 | 25S 38E |
| Skelly Oil Company | Mexico "L" | 20 | F | 5 | 25S 38E |

(2) That the subject waterflood project is hereby designated the Skelly West Dollarhide Drinkard Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations;

PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve expansion of the Skelly West Dollarhide Drinkard Waterflood Project to include such additional lands and injection wells in the area of said project as may be necessary to complete an efficient water injection pattern; that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

(3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

ALEX J. ARMIJO, Member

A. L. PORTER, Jr., Member & Secretary

S E A L

esr/

Geological Survey.

(e) "Secretary" is defined as the Secretary of the Interior of the United States of America or any other person duly authorized to exercise the powers vested in that office.

(f) "Department" is defined as the Department of the Interior of the United States of America.

(g) "Supervisor" is defined as the Oil and Gas Supervisor of the United States Geological Survey for the region in which the Unit Area is situated.

(h) "Unitized Formation" means the Tubb-Drinkard Formation underlying the unitized land; said interval having been heretofore found to occur in Skelly Oil Company's Mexico "L" No. 3 well (located 1980 feet from the east line and 660 feet from the north line of Section 5, Township 25 South, Range 38 East, Lea County, New Mexico) at an indicated depth of from 5,950 feet to 7,367 feet, as recorded on the Schlumberger electrical log Run No 1 taken April 13, 1952, said log being measured from a derrick floor elevation of 3,168 feet above sea level.

(i) "Unitized Substances" means all oil, gas, gaseous substances, sulphur contained in gas, condensate, distillate and all associated and constituent liquid or liquefiable hydrocarbons within or produced from the Unitized Formation.

(j) "Tract" is defined as each parcel of land described as such and given a tract number in Exhibit "B".

(k) "Tract Participation" is defined as the percentage of participation, as shown on Exhibit "C", for allocating Unitized Substances to a Tract under this agreement.

(l) "Unit Participation" of each Working Interest Owner means the sum of the products obtained by multiplying the Working Interest of such Working Interest Owner in each Tract by the Tract Participation of such Tract.

## FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION (Driller's Record) |
|---|---|---|---|
| 0 | 985 | 985 | Red Bed |
| 985 | 1244 | 259 | Red Bed & Anhydrite |
| 1244 | 2590 | 1346 | Anhydrite & Salt |
| 2590 | 3150 | 560 | Anhydrite & Lime |
| 3150 | 7331 | 4181 | Lime |
| 7331 | 7423 | 92 | Lime & Sand |
| 7423 | 7566 | 143 | Lime & Shale |
| 7566 | 7693 | 127 | Lime & Chert |
| 7693 | 9355 | 1662 | Lime |
| 9355 | 10070 | 715 | Lime & Shale |
| 10070 | 10215 | 145 | Lime |

| Formation | Tops (Schlumberger) |
|---|---|
| Anhydrite | 1166' |
| Yates | 2624' |
| San Andres | 3964' |
| Glorietta | 5080' |
| Tubbs | 5950' |
| Abo | 6485' |
| Devonian | 7422' |
| Silurian | 7613' |
| Montoya | 8722' |
| Simpson | 9038' |
| McKee | 9274' |
| Ellenburger | 9957' |