

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: ☒ X Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ X Yes ☐ No
- II. OPERATOR: Chevron U.S.A. Production Co.
ADDRESS: 15 Smith Road, Midland, TX 79705
CONTACT PARTY: Denise Wann - Petroleum Engineer PHONE: (915) 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: Petroleum Engineer
SIGNATURE: Denise Wann DATE: June 16, 2003
- * 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

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WELL LOCATION:	108' FNL & 2825' FWL	C	5	25-S	38-E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

Surface Casing

FIELD: West Oxtanade Dam Unit
 LOC: 106 RW, S.232E FUL
 TOWN SHIP: 288
 RANGE: 38E
 Unit Layer: C

WELL DATA SHEET
 WSR No: 1148
 Sec: 5
 Cont: LGS
 State: T&I
 GL: 3145
 KB: 3163
 CF to GL:

FORMATION: Drinkard
 CURRENT STATUS: Producing
 API NO: 30-053-31480
 Chemo: GU2530

Spud 10-06-82
 Date Completed: 12-14-82
 Initial Form: Crawford
 FROM: 5340 TO: 7058
 HSE Production
 159 DL 6011CF, 36 WTR

Dual Horizontal

11-3/4" OD 40# Csg
 Set @ 1167' w/ 800 psi to surf.
 CIG 112 psi
 14.31" Hole

8-5/8" OD 32# Csg
 Set @ 1000' w/ 1300 psi
 to surf. cont. 175 psi
 11" Hole

2nd Window Cut @ 6216' to 6226'
 Top of Window @ 6216'
 Upper East Lateral
 6216' to 6217'

1st Window Cut @ 6258' to 6222'
 Lower East Lateral
 6258' to 6222'

Permanent Plug
 @ 6316' to 6320'

5-1/2" OD 15.5 S.17W
 Csg @ 7440' w/ 1300 psi
 CIG 50 psi
 7.71" Hole

TO @ 7440'
 PRI @ 7287'

Additional Remarks:
 T154 @ 1426'
 Base of Sub @ 2462'
 T175 @ 3055'
 T175 @ 3554'
 T154 @ 3855'
 T175 @ 5070'
 T175 @ 5945'
 T175 @ 6340'

WDDU 151, 144, 135, 136
 Chy: 3-4-08

Hole Size: 14-3/4" Casing Size: 11-3/4"
Cemented with: 800 sx Or _____ #3
Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

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

Cemented with: 1300 sx Or ft3

Top of Cement: Surface Method Determined: Circulation

<u>Production</u>	<u>Casing</u>
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
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98	98
99	99
100	100

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

Cemented with : 1300 sx. Or _____ ft3

Top of Cement: Surface Method Determined: _____

Total Depth: _____

Injection Interval

_____ feet to _____

(Perforated or open Hole; indicate which)

TO # 7427
POTO # 7287

unreadable

INJECTION WELL DATA SHEET

WELL NAME & NUMBER: WDDU 114H

Tubing Size: 2 ³/₈" Lining Material:

Type of Packer:

Packer Setting Depth: 6316'

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

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 Well

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. N/A

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

Yates 2663', Queen 3566', Tubb 5948', Drinkard 6304'

WELL DATA SHEET

FIELD: West Dollarhide Drinkard Unit

LOC: 108' FNL & 2325' FWL

TOWNSHIP: 25S

RANGE: 38E

Unit Letter: C

Sec: 5

Cnty: Lea

State: NM

Well No: 114H

GL: 3145'

KB: 3163'

DF to GL:

FORMATION: Drinkard

CURRENT STATUS: Producer

API NO: 30-025-31499

Cheyno: QU2535

Dual Horizontal

Spud: 10-05-92

Date Completed: 12-12-92
Initial Formation: Drinkard
FROM: 6340' TO: 7076'

Initial: Production
159 Oil, 65 MCF, 36 Wtr

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

Tbg Detail:
1-11-01
189 jts 2-7/8", N80 6113.63'
1 Sub 2-7/8" 6.20'
Sub Pmp Assembly 45.5'
Total 6165.33'

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

Tbg Detail:
1-11-01
189 jts 2-7/8", N80 6113.63'
1 Sub 2-7/8" 6.20'
Sub Pmp Assembly 45.5'
Total 6165.33'

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

Completion data:

Perfs:
6810' - 7076', 2 JHPF: 98 holes
6548' - 6763', 2 JHPF: 102 holes
6340' - 6488', 2 JHPF: 84 holes
Acid 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
Junk in hole:
a 2-7/8"x27.35 mud jt. & 2-1/2"x22"tbg pmp barrel
Two attempts were made to fish junk.
Top of Junk is @ 6265'

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

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

Permanent Pkr
@ 6316' to 6320'

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

Junk in Hole above Pkr

PBTD 6316'

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'

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 6192'

WDDU 114_H-WB.XLS
Chay 3-14-03

TD @ 7440'
PBTD @ 7287'

FINAL **DIAGRAM**

PROPOSED CONVERT TO INJECTION 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

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2nd window @ 6216' w/ top of Whipstock @ 6214'. Mill from 6215' to

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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

Junk in hole:

a 2-7/8"x27.35 mud jt. & 2-1/2"x22"tbq pmp barrel

Two attempts were made to fish junk.

Top of Junk is @ 6265'

1-11-01 Ran 189 jts 2-7/8" tbq.

March, 2003 Application to Convert to Injection

Dual Horizontal Lateral:

Upper West lateral 6216' - 7412'

Lower East Horizontal Lateral 6256' - 7254'

11-3/4", OD, 42# Csg

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Circ 112 sxs.

14-3/4" Hole

8-5/8" OD, 32 # Csg

set @ 4200', w/1300

sx cmt, circ. 175 sx

11" Hole

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Junk in Hole above Pkr

Permanent Pkr

@ 6316' to 6320'

PBTD 6316'

Perfs:

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6389'-6400'

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6479'-88'

6548'-53'

6674'-77'

6694'-6718'

6730'-38'

6752'-63'

6810'-15'

6819'-25'

6843'-46'

6857'-61'

6864'-73'

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T/Queen @ 3566'

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T/Glorietta @ 5070'

T/Tubb @ 5948'

T/Drinkard 6340'

5-1/2" OD, 15.5 & 17#

csg @ 7440' w/1300 sxs cmt

Circ 90 sx cmt

7-7/8" hole

TD @ 7440'
PBTD @ 7287'

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

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 permis-
sion to institute a waterflood project in the West Dollarhide
Drinkard Unit Area, Dollarhide Tubb-Drinkard Pool, by the injec-
tion of water into the Tubb-Drinkard formation through 43 injec-
tion 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.

CASE No. 4134
Order No. R-3768

(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		LOCATION		
		No.	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

CASE No. 4134
Order No. R-3768

COMPANY	LEASE	Well		LOCATION		
		No.	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-

CASE No. 4134

Order No. R-3768

(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

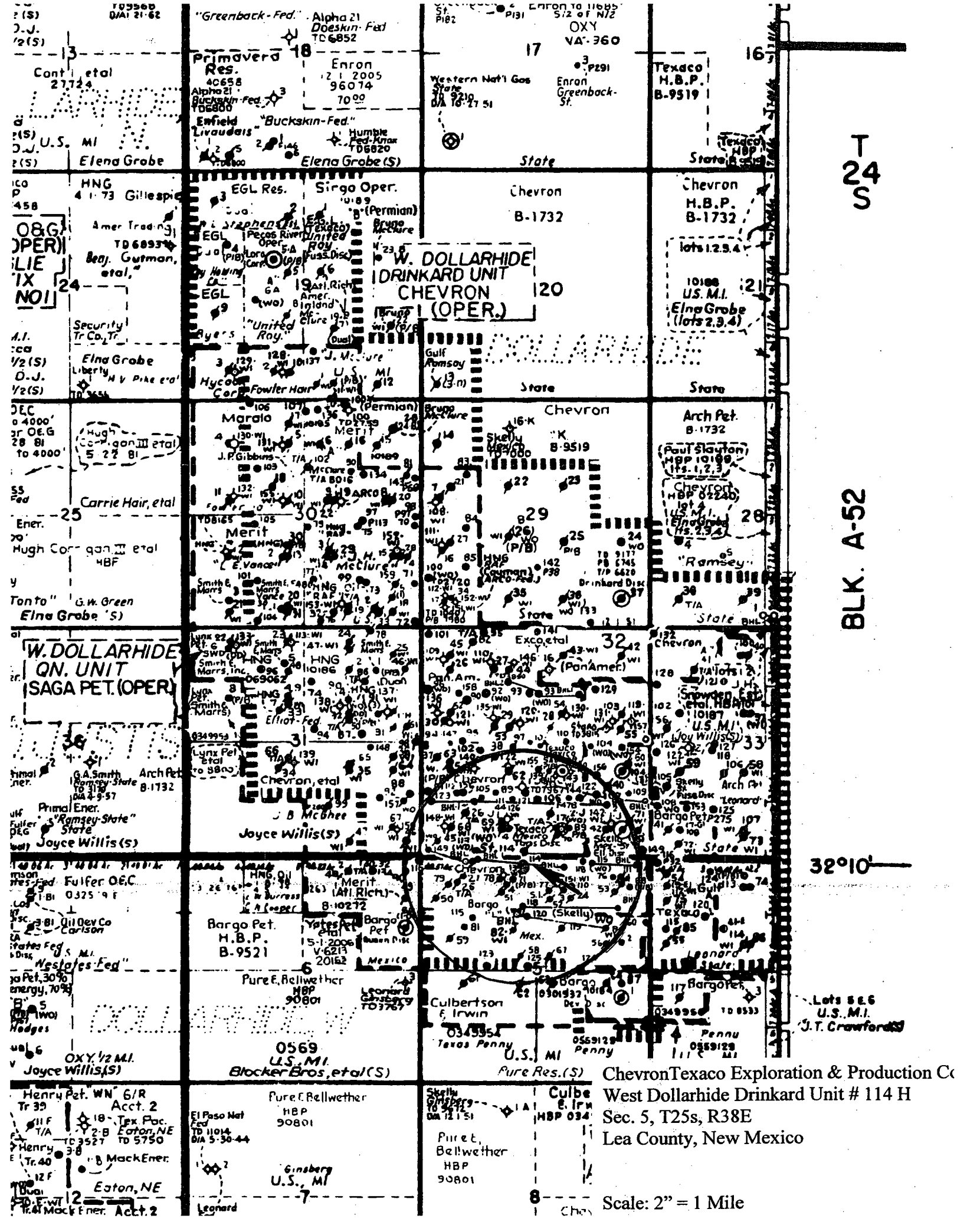
DAVID F. CARGO, Chairman

ALEX J. ARMIJO, Member

A. L. PORTER, Jr., Member & Secretary

S E A L

esr/



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24
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BLK. A-52

32°10'

Lots 5 & 6
U.S. MI.
J.T. Crawford

ChevronTexaco Exploration & Production Co
West Dollarhide Drinkard Unit # 114 H
Sec. 5, T25s, R38E
Lea County, New Mexico

Scale: 2" = 1 Mile

ChevronTexaco

West Dollarhide Drinkard Unit

WDDU #114 Conversion Candidate

0 2,817

FEET

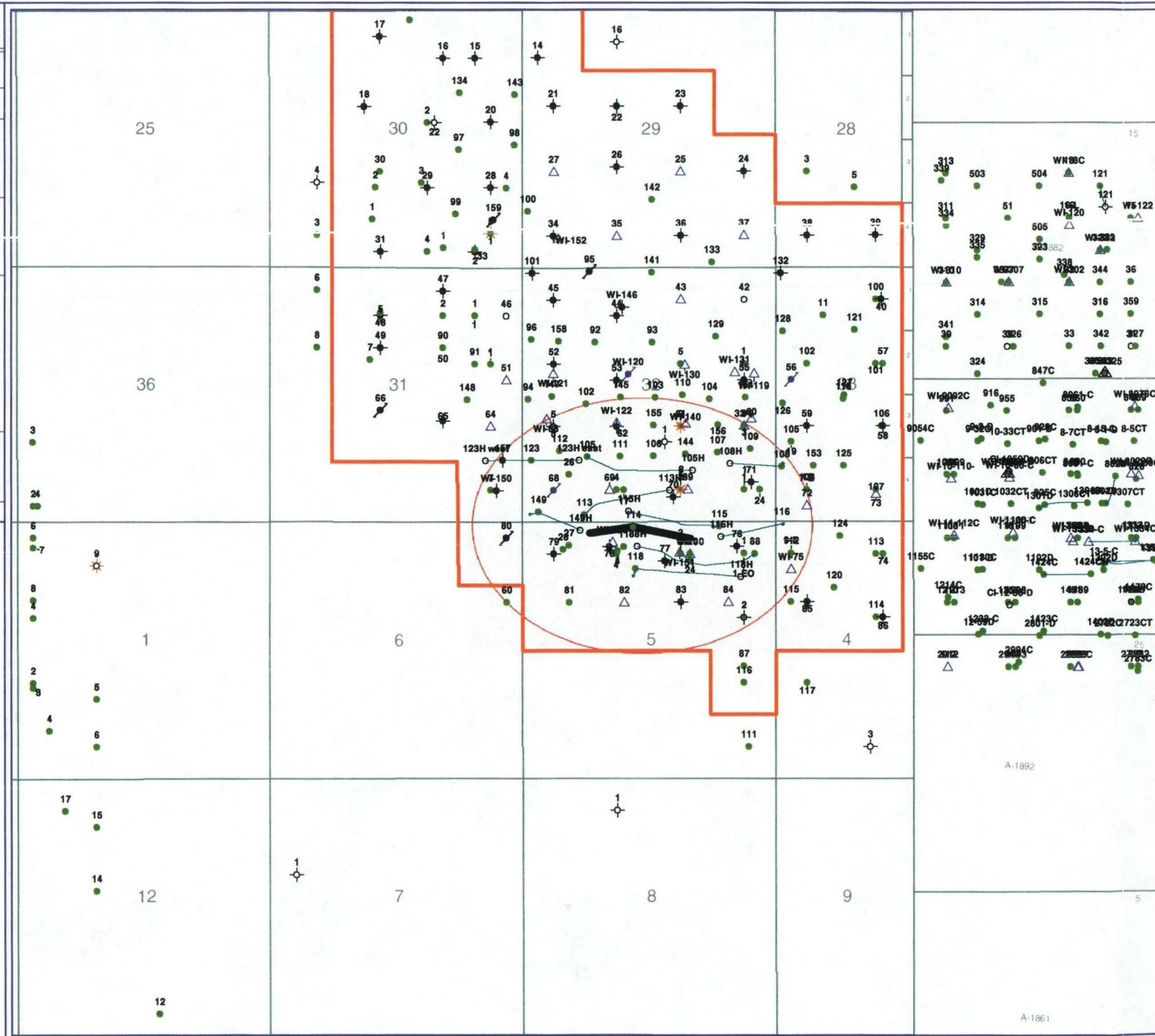
POSTED WELL DATA

Well Number

- WELL SYMBOLS**
- Shut-in Injector
 - Oil Well
 - Gas Well
 - Dry Hole
 - Injection Well
 - Service Well
 - Plugged and Abandoned
 - Temporarily Abandoned
 - Abandoned Oil Well

REMARKS
Red ellipse denotes a 1/2 mile area surrounding conversion candidate.
Data for Lea Co., New Mexico.
Wells shown from 6300'.

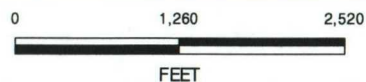
June 25, 2003



ChevronTexaco

Data for Lea County, New Mexico

West Dollarhide Drinkard Unit
WDDU #114 Conversion Candidate



POSTED WELL DATA

● Well Number

WELL SYMBOLS

- Location Only
- Oil Well
- ★ Gas Well
- ⊕ Dry Hole
- ▲ Active Injection Well
- ⊖ Shut-In Oil Producer
- ⊖ Plugged and Abandoned
- ▲ Shut-In Injection Well

REMARKS

red ellipse denotes a 1/2 mile area surrounding
conversion candidate
wells shown from all depths

By: Cynthia L. Welch

January 6, 2003

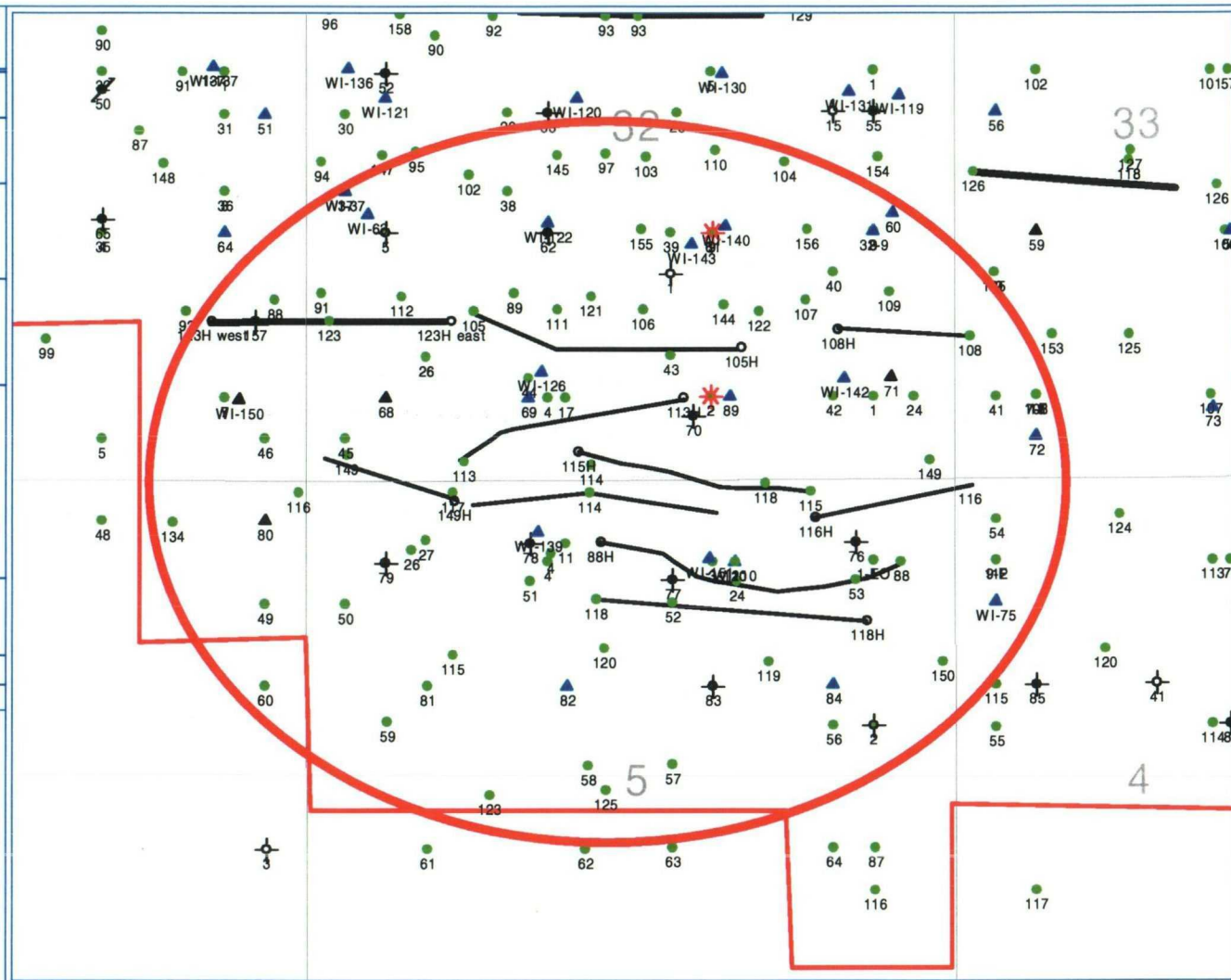


TABLE 1

UNIT WELLS IN AREA

API	Lease Name	Well Number	Operator	Township	Range	Section	Field Name	Prod Fm	TD	Status	COMP_DATE
30025122950000	MEXICO J	1	ChevronTexaco	24S	38E	32	DOLLARHIDE	FSLM	10245	OIL	8/24/1951
30025123650000	MEXICO L	1-EO	ChevronTexaco	25S	38E	5	DOLLARHIDE	ELBG	10360	OIL	11/30/1951
30025123370000	HARRY LEONARD	7-E	ChevronTexaco	24S	38E	33	DOLLARHIDE	ELBG	10310	OIL	12/27/1951
30025122960000	MEXICO J	2	ChevronTexaco	24S	38E	32	DOLLARHIDE	ELBG	10300	OIL	12/28/1951
30025122970000	MEXICO J	3	ChevronTexaco	24S	38E	32	DOLLARHIDE	ELBG	10320	OIL	2/25/1952
30025123660000	MEXICO L	2	ChevronTexaco	25S	38E	5	DOLLARHIDE	ELBG	10615	OIL	3/20/1952
30025123670000	MEXICO L	3	ChevronTexaco	25S	38E	5	DOLLARHIDE	ELBG	10215	OIL	4/10/1952
30025123950000	WST DLLRHD QEND UNT	60	ChevronTexaco	25S	38E	6	DOLLARHIDE	TBDRK	6997	OIL	4/26/1952
30025123560000	HARRY LEONARD-STATE	9-E	ChevronTexaco	25S	38E	4	DOLLARHIDE	ELBG	10300	OIL	5/13/1952
30025122980000	MEXICO J	4	ChevronTexaco	24S	38E	32	DOLLARHIDE	ELBG	10185	OIL	5/29/1952
30025122990000	MEXICO J	5	ChevronTexaco	24S	38E	32	DOLLARHIDE	252FSLM	8745	OIL	7/15/1952
30025123680000	MEXICO L	4	ChevronTexaco	25S	38E	5	DOLLARHIDE	ELBG	10200	OIL	10/15/1952
30025123010000	WDDU	WI-63	ChevronTexaco	24S	38E	32	DOLLARHIDE	TBDRK	6850	INJ	4/1/1953
30025123030000	WDDU	61	ChevronTexaco	24S	38E	32	DOLLARHIDE	TBDRK	6902	P&A	9/21/1953
30025123040000	WDDU	62	ChevronTexaco	24S	38E	32	DOLLARHIDE	TBDRK	6878	P&A	9/22/1953
30025123750000	MEXICO L	11	ChevronTexaco	25S	38E	5	DOLLARHIDE	FSLM	8490	OIL	11/6/1953
30025122920000	JB MCGHEE	7	ChevronTexaco	24S	38E	31	DOLLARHIDE	TUBB	6800	OIL	11/24/1953
30025123100000	WDDU	71	ChevronTexaco	24S	38E	32	DOLLARHIDE	TBDRK	6900	P&A	12/9/1953
30025123780000	WDDU	78	ChevronTexaco	25S	38E	5	DOLLARHIDE	TBDRK	6860	P&A	12/9/1953
30025123790000	WDDU	79	ChevronTexaco	25S	38E	5	DOLLARHIDE	TBDRK	6850	P&A	12/13/1953
30025123800000	WDDU	76	ChevronTexaco	25S	38E	5	DOLLARHIDE	TBDRK	6890	P&A	4/5/1954
30025123110000	MEXICO J	17	ChevronTexaco	24S	38E	32	DOLLARHIDE	FSLM	8600	OIL	4/8/1954
30025123130000	WDDU	70	ChevronTexaco	24S	38E	32	DOLLARHIDE	TBDRK	6900	P&A	4/22/1954
30025123150000	WDDU	68	ChevronTexaco	24S	38E	32	DOLLARHIDE	TBDRK	6860	SIINJ	5/16/1954
30025123140000	WDDU	69	ChevronTexaco	24S	38E	32	DOLLARHIDE	TBDRK	6890	INJ	5/20/1954
30025123830000	WDDU	83	ChevronTexaco	25S	38E	5	DOLLARHIDE	TBDRK	6870	P&A	5/22/1954
30025123820000	WDDU	84	ChevronTexaco	25S	38E	5	DOLLARHIDE	TBDRK	6880	INJ	5/24/1954
30025123980000	WDDU	80	ChevronTexaco	25S	38E	6	DOLLARHIDE	TBDRK	6840	TA	6/18/1954
30025123590000	WDDU	WI-75	ChevronTexaco	25S	38E	4	DOLLARHIDE	TUBB	6870	INJ	7/23/1954
30025123840000	WDDU	82	ChevronTexaco	25S	38E	5	DOLLARHIDE	TBDRK	6870	INJ	11/9/1954
30025123850000	WDDU	81	ChevronTexaco	25S	38E	5	DOLLARHIDE	TBDRK	6860	OIL	11/28/1954
30025123370001	WST DLLRHD DVUNT 33	13	ChevronTexaco	24S	38E	33	DOLLARHIDE	ELBG	10310	OIL	12/3/1954
30025123860000	WST DLLRHD DVNN UNT	2	ChevronTexaco	25S	38E	5	DOLLARHIDE	DVNN	7666	OIL	3/26/1955
30025123340000	WDDU	72	ChevronTexaco	24S	38E	33	DOLLARHIDE	TBDRK	6870	INJ	3/1/1956
30025123180000	MEXICO J	24	ChevronTexaco	24S	38E	32	DOLLARHIDE	FSLM	8700	OIL	7/26/1956
30025123880000	MEXICO L	24	ChevronTexaco	25S	38E	5	DOLLARHIDE	FSLM	8700	OIL	10/5/1957
30025123810000	WDDU	77	ChevronTexaco	25S	38E	5	DOLLARHIDE	TBDRK	6880	P&A	4/10/1958
30025122970001	W DOLLRHDE DVT T 32	9	ChevronTexaco	24S	38E	32	DOLLARHIDE	ELBG	10320	OIL	9/8/1958
30025123370002	WST DLLRHD DVNN UNT	108	ChevronTexaco	24S	38E	33	DOLLARHIDE	309DVNN	10310	OIL	3/11/1963
30025122970002	W DOLLRHDE DV UNT	32-9	ChevronTexaco	24S	38E	32	DOLLARHIDE	ELBG	10320	INJ	3/11/1963
30025123860001	WST DLLHDE DVNN UNI	WI110	ChevronTexaco	25S	38E	5	DOLLARHIDE	DVNN	7666	INJ	5/5/1964
30025123750001	MEXICO L	11	ChevronTexaco	25S	38E	5	DOLLARHIDE	252FSLM	8490	OIL	7/17/1967
30025123680001	MEXICO L	4	ChevronTexaco	25S	38E	5	Dollarhide ELBG	201ELBG	10200	OIL	7/28/1967
30025122960001	MEXICO J	2	ChevronTexaco	24S	38E	32	DOLLARHIDE	309DVNN	10300	DRY	11/11/1969
30025123860002	WST DLLHDE DVNN UNI	110	ChevronTexaco	25S	38E	5	DOLLARHIDE	309DVNN	7666	OIL	3/23/1971

TABLE 1

UNIT WELLS IN AREA

30025123860003	WST DLLHDE DVNN UNI	110	ChevronTexaco	25S	38E	5	DOLLARHIDE	DVNN	7666	OIL	10/20/1972
30025123650001	MEXICO /L/	1	ChevronTexaco	25S	38E	5	DOLLARHIDE	252FSLM	10360	OIL	1/24/1973
30025122960002	MEXICO /J/	2	ChevronTexaco	24S	38E	32	DOLLARHIDE	259SLRN	10300	OIL	4/6/1973
30025123660001	MEXICO /L/	2	ChevronTexaco	25S	38E	5	DOLLARHIDE	ELBG	10615	DRY	2/13/1974
30025122990001	MEXICO /J/	5	ChevronTexaco	24S	38E	32	DOLLARHIDE	309DVNN	8745	OIL	3/13/1976
30025254210000	MEXICO /J/	1	ChevronTexaco	24S	38E	32	DOLLARHIDE	DVNN	7967	DRY	8/12/1977
30025256720000	MEXICO /L/	26	ChevronTexaco	25S	38E	5	DOLLARHIDE	252FSLM	8900	OIL	10/6/1978
30025123670001	MEXICO L	3	ChevronTexaco	25S	38E	5	DOLLARHIDE	252FSLM	10215	OIL	6/29/1979
30025265230000	MEXICO J	26	ChevronTexaco	24S	38E	32	DOLLARHIDE	252FSLM	8750	OIL	1/22/1980
30025265230001	MEXICO O""	26	ChevronTexaco	24S	38E	32	DOLLARHIDE	252FSLM	8750	OIL	10/15/1981
30025123870000	WDDU	88	ChevronTexaco	25S	38E	5	DOLLARHIDE	452TBKD	8680	OIL	3/20/1983
30025123170000	WDDU	89	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	8680	INJ	11/27/1983
30025123750002	MEXICO L	11	ChevronTexaco	25S	38E	5	DOLLARHIDE	309DVNN	8490	OIL	8/28/1989
30025122960003	MEXICO J	2	ChevronTexaco	24S	38E	32	DOLLARHIDE W	453TSLY	10300	GAS	7/24/1990
30025308240000	WDDU	102	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	6948	OIL	1/27/1991
30025308250000	WDDU	103	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	6905	OIL	2/27/1991
30025308280000	WDDU	106	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	6900	OIL	3/29/1991
30025308270000	WDDU	105	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	6875	OIL	4/8/1991
30025308290000	WDDU	107	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	6901	OIL	5/2/1991
30025308300000	WDDU	108	ChevronTexaco	24S	38E	33	DOLLARHIDE	452DRKD	6955	OIL	5/18/1991
30025314820000	WDDU	113	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DKAB	7435	OIL	10/26/1992
30025314990000	WDDU	114	ChevronTexaco	25S	38E	5	DOLLARHIDE	452DRKD	7440	OIL	12/17/1992
30025314830000	WDDU	115	ChevronTexaco	25S	38E	5	DOLLARHIDE	452TUBB	7510	OIL	12/24/1992
30025314890000	WDDU	WI-122	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	7635	INJ	1/24/1993
30025314840000	WDDU	116	ChevronTexaco	25S	38E	4	DOLLARHIDE	452DRKD	7580	OIL	2/26/1993
30025315000000	WDDU	118	ChevronTexaco	25S	38E	5	DOLLARHIDE	452ABO	7480	OIL	2/28/1993
30025319710000	WDDU	123	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	7455	OIL	7/19/1993
30025321620000	WDDU	WI-140	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	7530	INJ	10/26/1993
30025323730000	WDDU	145	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	7455	OIL	5/17/1994
30025323720000	WDDU	144	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	7477	OIL	6/15/1994
30025319990000	WDDU	WI-139	ChevronTexaco	25S	38E	5	DOLLARHIDE	452DRKD	6900	INJ	6/27/1994
30025123030001	MEXICO J	9	ChevronTexaco	24S	38E	32	DOLLARHIDE	453SADR	6902	OIL	11/30/1994
30025327660000	WDDU	109	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	7550	OIL	3/25/1995
30025327680000	WDDU	111	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	7475	OIL	3/27/1995
30025327690000	WDDU	112	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	7412	OIL	4/4/1995
30025327700000	WDDU	149	ChevronTexaco	24S	38E	32	DOLLARHIDE	452TUBB	7500	OIL	4/28/1995
30025327730000	WDDU	WI-150	ChevronTexaco	24S	38E	31	DOLLARHIDE	TBDRK	6975	P&A	6/7/1995
30025327720000	WDDU	WI-151	ChevronTexaco	25S	38E	5	DOLLARHIDE	TBDRK	6925	INJ	6/7/1995
30025122990002	MEXICO J	5	ChevronTexaco	24S	38E	32	BLINEBRY	FSLM	8745	DRY	5/1/1996
30025334030000	WDDU	155	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	7250	OIL	8/26/1996
30025334040000	WDDU	157	ChevronTexaco	24S	38E	31	DOLLARHIDE	452DRKD	6935	P&A	10/20/1996
30025123030002	MEXICO J	9	ChevronTexaco	24S	38E	32	DOLLARHIDE W	453YTES	6902	GAS	10/30/1996
30025334130000	WDDU	156	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	7200	OIL	11/12/1996
30025319710001	WDDU	123H east	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	7326	OIL	Jun-98
30025319710002	WDDU	123H west	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DRKD	7267	OIL	Jun-98
30025314840001	WDDU	116H	ChevronTexaco	25S	38E	5	DOLLARHIDE	452DRKD	7730	LOC	Sep-00

TABLE 1

UNIT WELLS IN AREA

30025122950001	MEXICO J	1	ChevronTexaco	24S	38E	32	DOLLARHIDE	FSLM	10245	OIL	1/1/2001
30025122920001	JB MCGHEE	7	ChevronTexaco	24S	38E	31	DOLLARHIDE	TUBB	6800	OIL	1/1/2001
30025123560001	WST DLLHDE DVNN UNI	112	ChevronTexaco	25S	38E	4	DOLLARHIDE	ELBG	10300	OIL	1/1/2001
30025315000001	WDDU	118H	ChevronTexaco	25S	38E	5	DOLLARHIDE	452ABO	8576	OIL	Jul-01
30025308300001	WDDU	108H	ChevronTexaco	24S	38E	33	DOLLARHIDE	452DRKD	7557	OIL	Aug-01
30025327700001	WDDU	149H	ChevronTexaco	24S	38E	32	DOLLARHIDE	452TUBB	7308	OIL	Aug-01
30025353360000	MEXICO L	27	ChevronTexaco	25S	38E	5	Dollarhide ELBG	ELBG	10410	OIL	9/7/2001
30025314820001	WDDU	113H	ChevronTexaco	24S	38E	32	DOLLARHIDE	452DKAB	8218	OIL	Mar-02
30025314830001	WDDU	115H	ChevronTexaco	25S	38E	5	DOLLARHIDE	452TUBB	8364	OIL	Mar-02
30025123870001	WDDU	88H	ChevronTexaco	25S	38E	5	DOLLARHIDE	DRKD	8970	OIL	Mar-02
30025308270001	WDDU	105H	ChevronTexaco	24S	38E	32	DOLLARHIDE	TBDRK	8535	OIL	Apr-02

West Dollardhide Drinkard # 60

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

Well ID Info:
Chevno: F83248
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

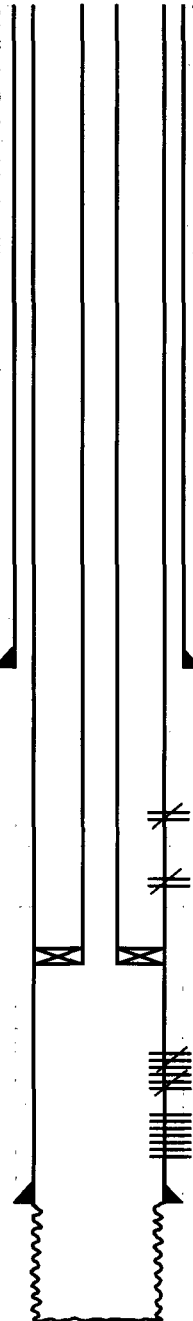
Tubing Detail

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

Possibly bad
cement in this
area

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

PBTD: 6587'
TD: 6915'



Completion data

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

Subsequent Workovers

8-16-76 perf 6582-86, treat perms w/ 6174-
6586 w/ 1000gal 15% NE slick acid

11-29-79 cement perms 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 perms 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 perms
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

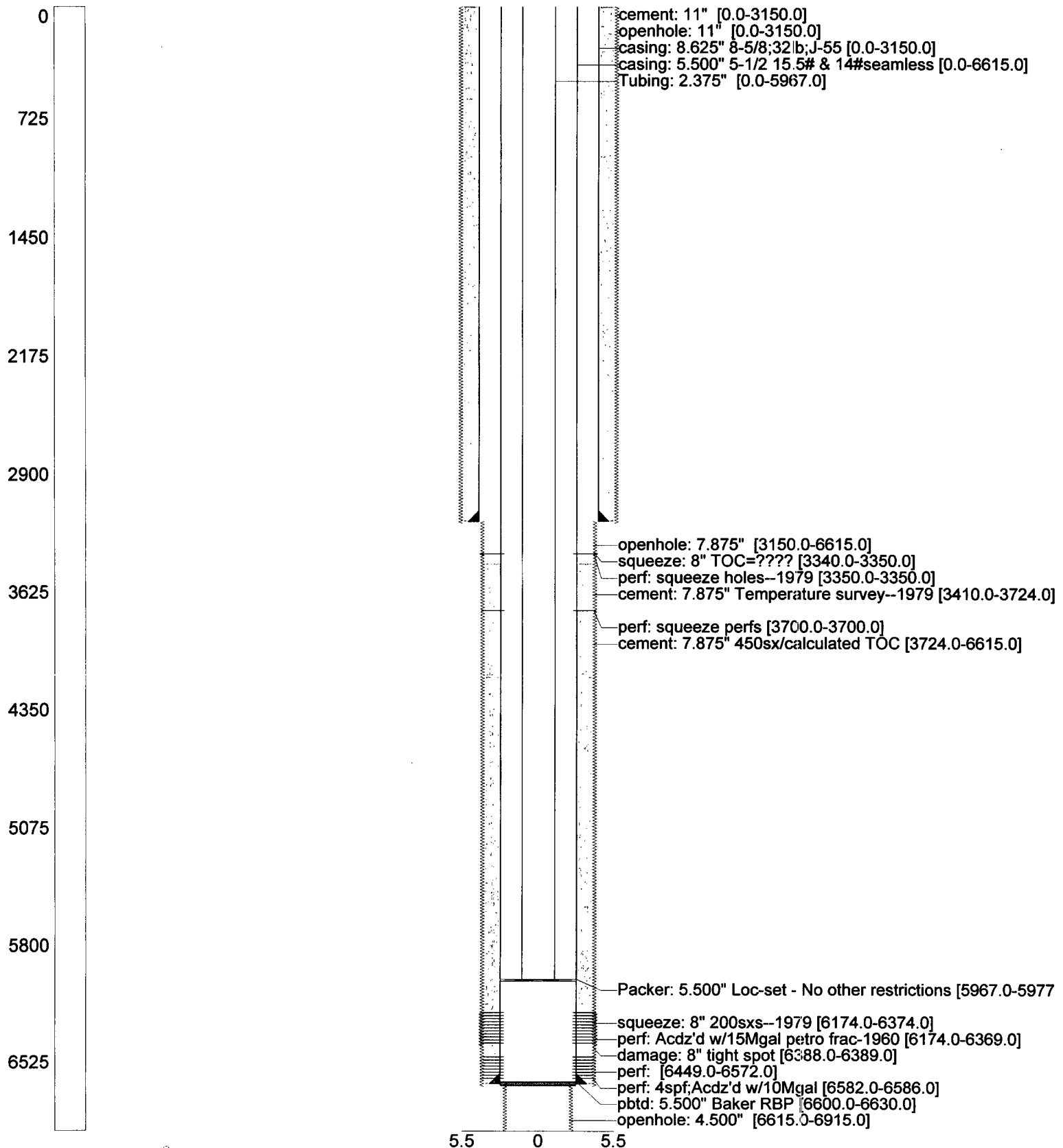
NOTE: additional perforated zones may exist
-- well file does not appear to be complete

Updated: 7-22-02

West Dollarhide Drk # 60 API # 3002512309

Sec. 32, T24S, R38E, Lea County, NM

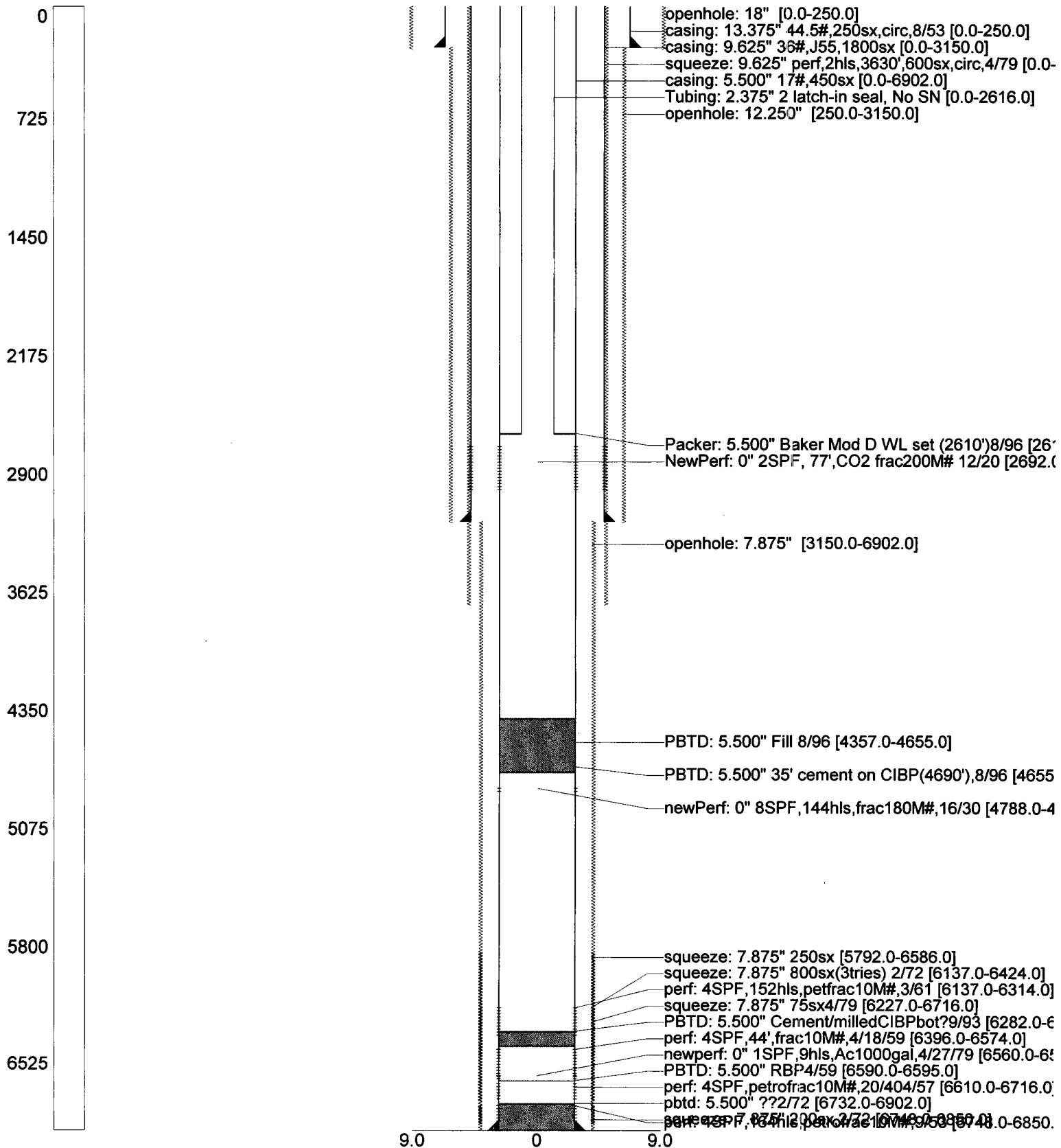
Name: WDDU 60 DH ID: FB3248:0 Type: UN Date: 2/24/2003



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



P&A WELL DATA SHEET

FIELD: Drinkard

LOC: 1980' FSL & 1980' FWL

TOWNSHIP: 24S

RANGE: 38E

Unit Letter: K

WELL NAME: West Dollarhide Drinkard Unit # 62

SEC: 32

COUNTY: Lea

STATE: NM

GE: 3164'

KB:

DF:

FORMATION: Drinkard Oil

CURRENT STATUS: Oil well, P&A'd

API NO: 30-025-12304

CHEVNO: FB3243

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

13-3/8" OD, 44.5#
Set @ 234' w/ 300 sx
Circ Cmt to surface
18" hole

Plug 313' to Surf.

Plug 1315' to 1068'

Plug 2399' to 2352'

Plug 3194' to 2930'

9-5/8", 36# csg
set @ 3136' w/1800 sx cmt.
Circ cmt to surface
12-1/4" hole

Plug 3663' to 3416'

5-81
Qn Sqzd
w/ 775 sx
circ cmt.

Set Retainer
Sqzd Tubb w/100 sx
Collapsed Csg
T/Drk Perfs

Completion data:

Originally Mexican "J" # 10

Formation - Drinkard

Acidz 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. Acidz w/500 gals
mud acid, 6540'-6653'.

1959 Perf 4 JHPF, 148 shots. Acidz 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. Could 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 laden
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'

6400' - 6490', 148 shots

4 JHPF

6540'-6653', 152 shots

4 JHPF

6730' - 6756'

6766' - 6774'

6782' - 6790'

6830' - 6840'

4 JHPF total 208 shots

5-1/2" OD, 15 & 17# csg
set @ 6865' w/700 sks cmt
TOC @ 3685'.

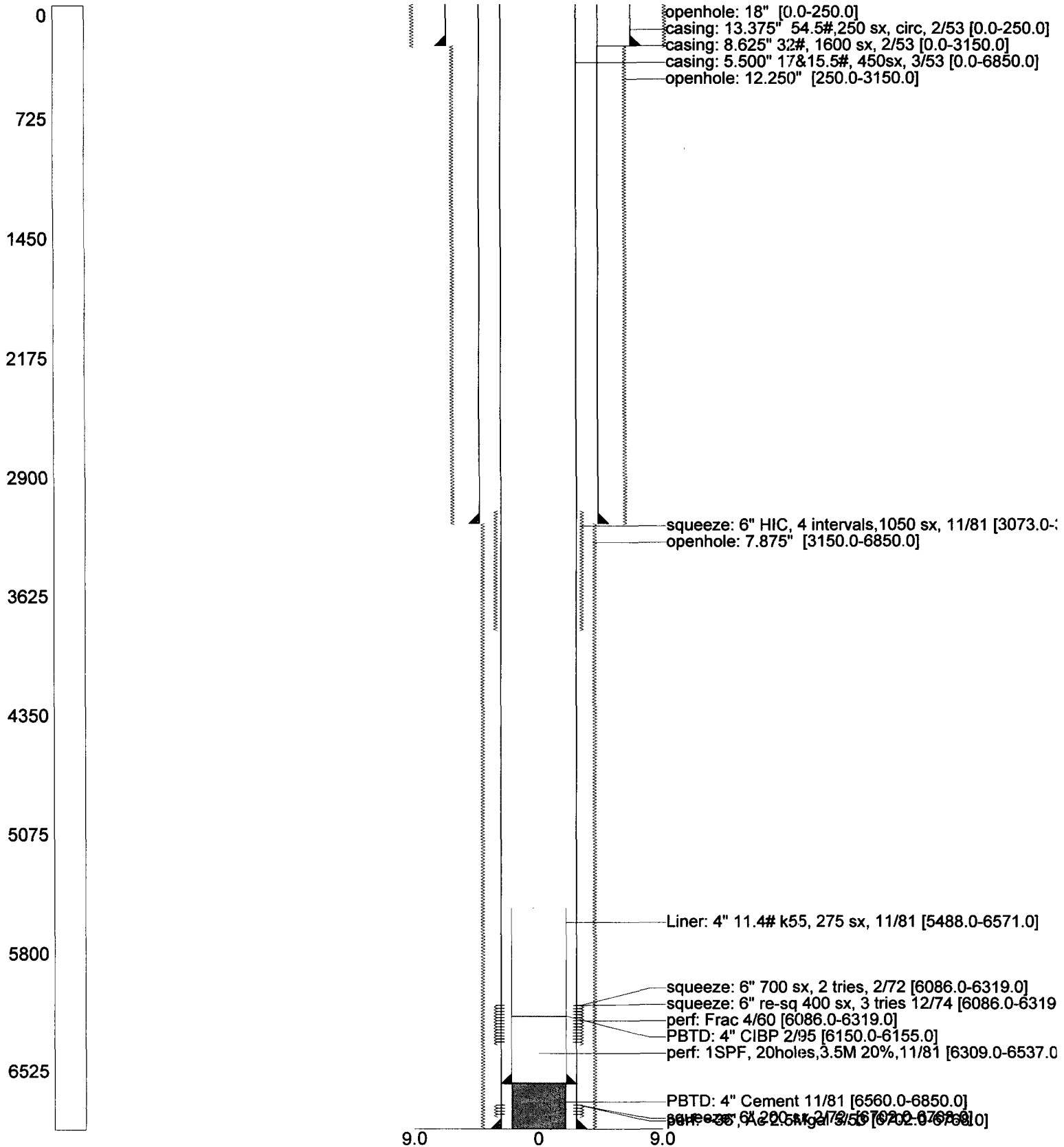
7-7/8" hole

TD @ 6878'
PBD @ '

West Dollarhide Drk # 63 API # 3002512299

Sec. 32, T24S, R38E, Lea County, NM

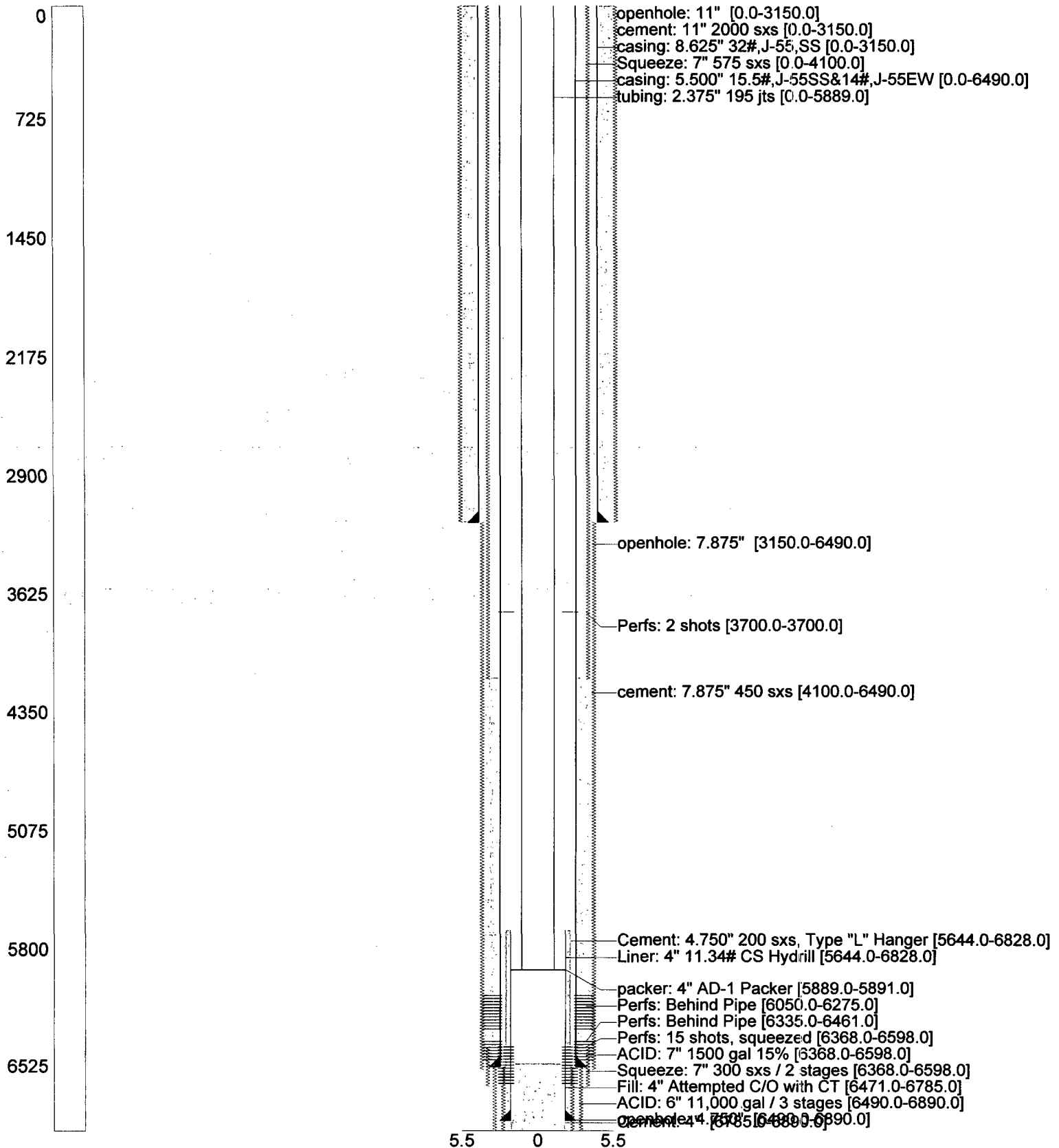
Name: WDDU 63 DH ID: FB3240:0 Type: UN Date: 2/24/2003



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

Acidz w/total of 9000 gals M-38 acid, from 6385' to 6870'.

Subsequent Workover or Reconditioning:

3-20-92 Tag 4" in 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'

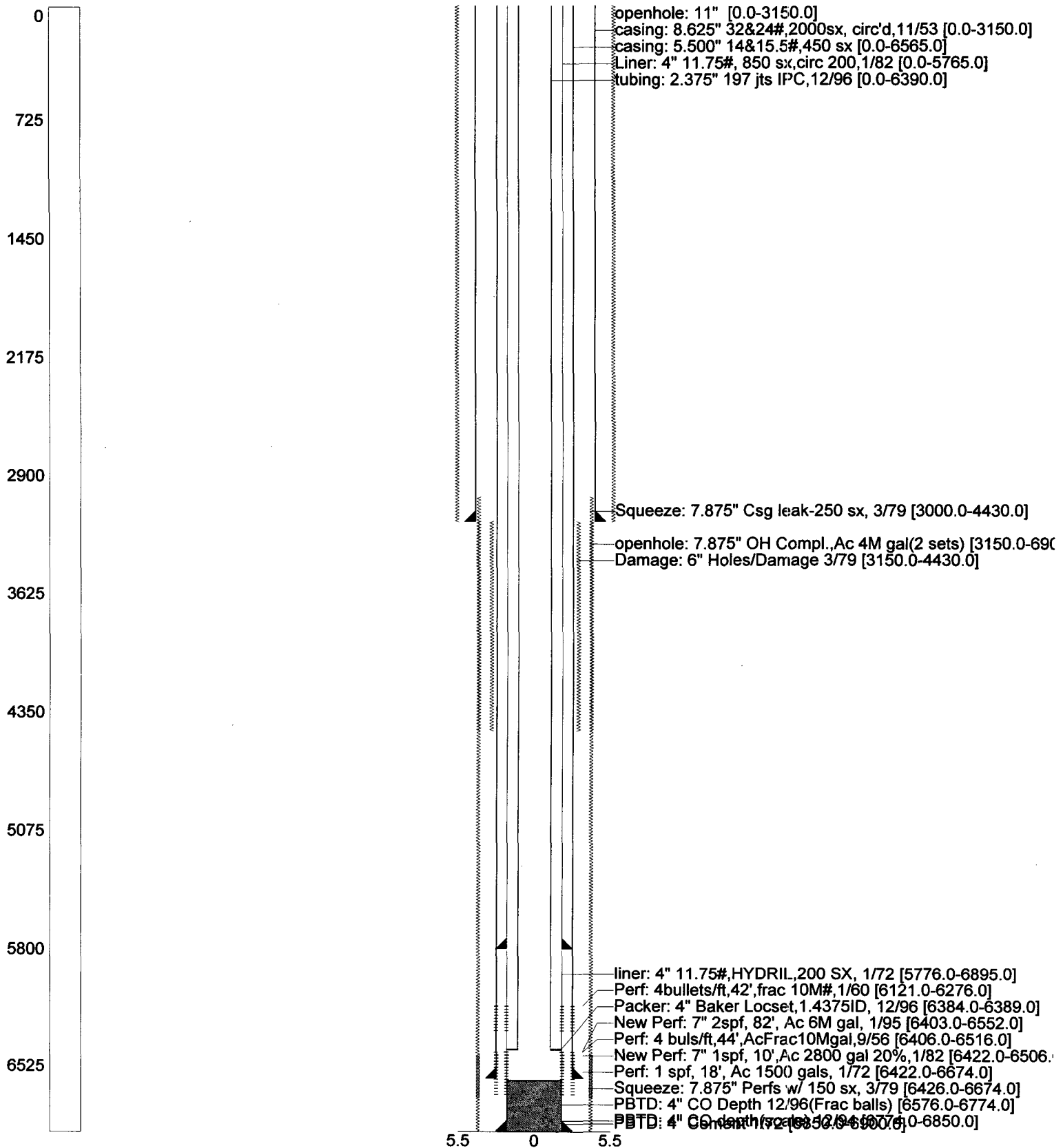
Orig TD @ 6900'

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

West Dollarhide Drk # 71 API # 3002512310

Sec. 32, T24S, R38E, Lea County, NM

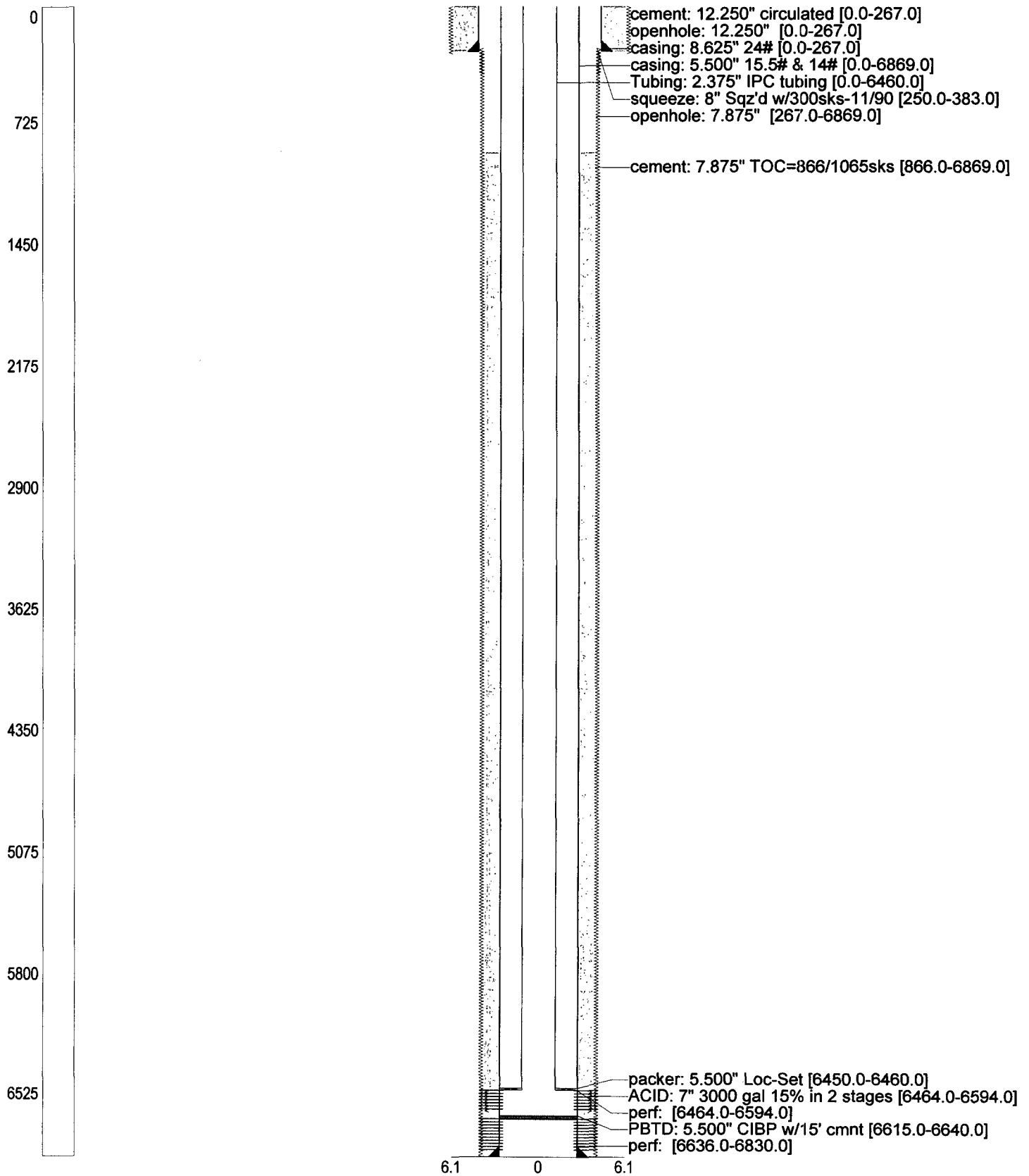
Name: WDDU 71 DH ID: FB3249:0 Type: ZA Date: 2/24/2003



West Dollarhide Drk # 72 API # 3002512334

Sec. 33, T24S, R38E, Lea County, NM

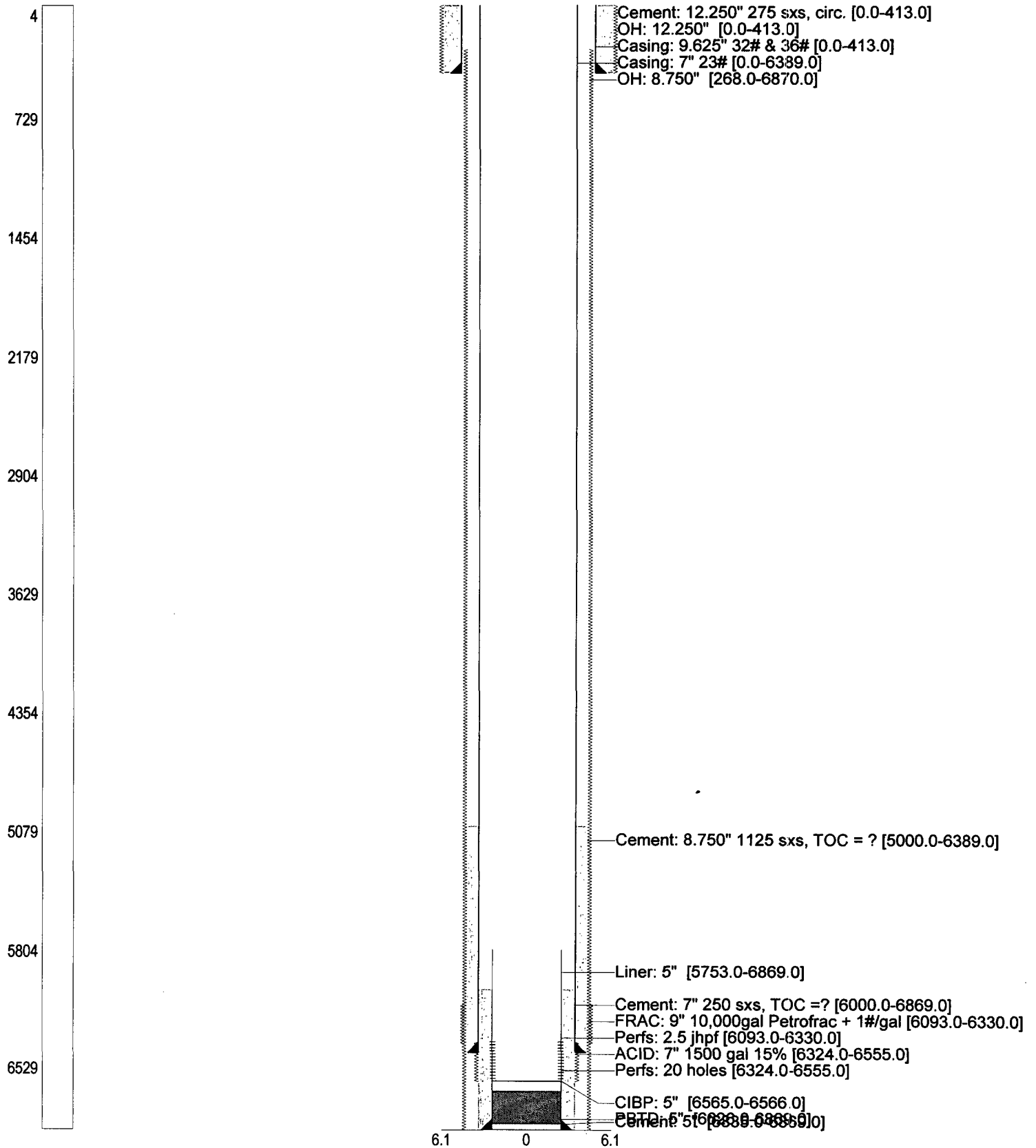
Name: WDDU 72 DH ID: FB3273:0 Type: UN Date: 2/24/2003



West Dollarhide Drk # 75 API # 3002512359

Sec. 4, T25S, R38E, Lea County, NM

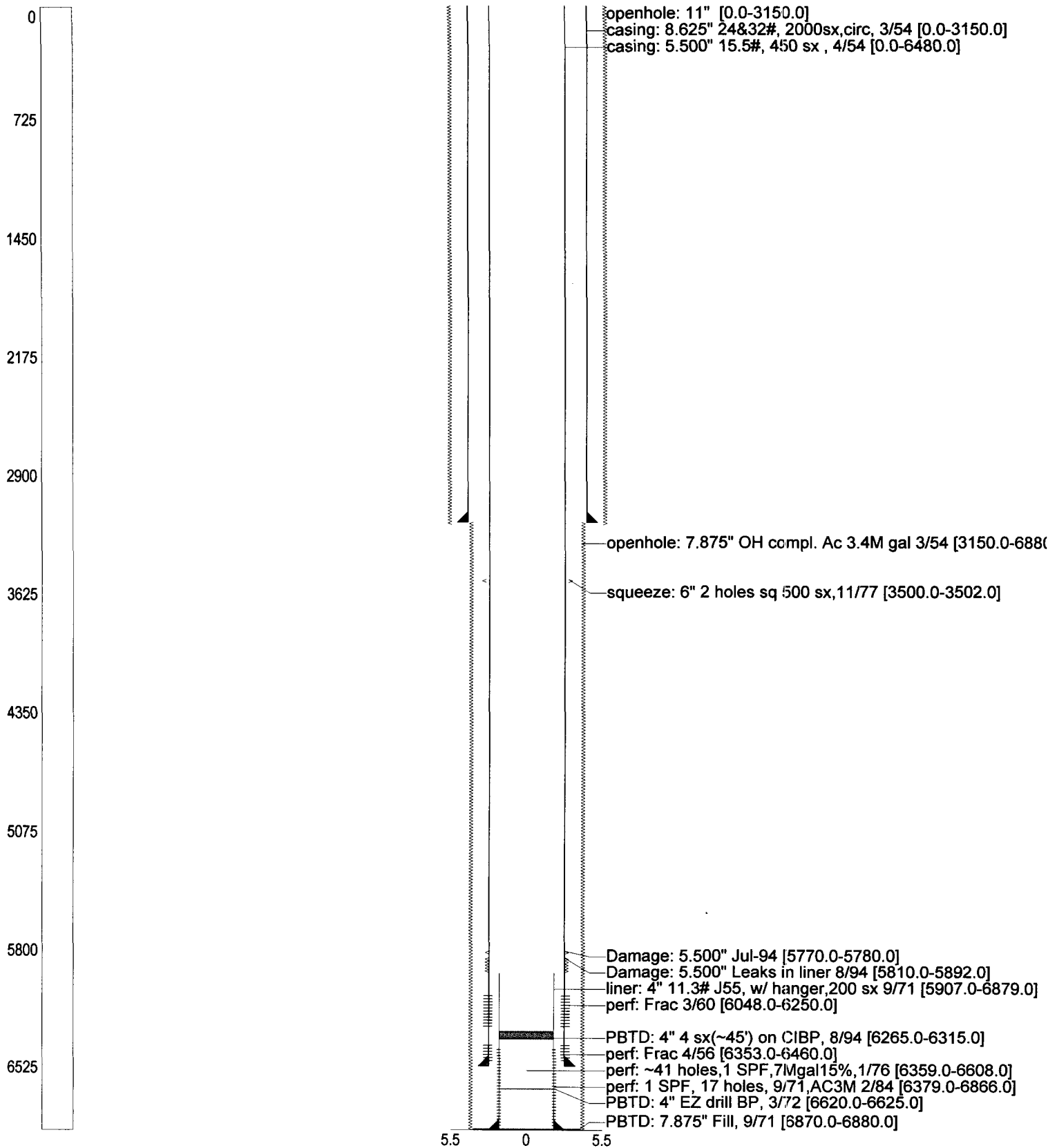
Name: WDDU 75 DH ID: FB3296:0 Type: UN Date: 2/24/2003



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
LOC: 1830' FWL & 516' FNL
TOWNSHIP: 25S
RANGE: 38E
Unit Letter: C

WELL NAME: West Dollarhide Drinkard Unit # 78
SEC: 5
COUNTY: Lea
STATE: NM
GE:
KB:
DF: 3144'

FORMATION: Drinkard Oil
CURRENT STATUS: P&A'd
API NO: 30-025-12378
CHEVNO: FB3315

P&A Well Data

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.

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'

Spud: 10-29-53

initial completion date: 12-9-53
Initial Formation: Drinkard
FROM: 6460' TO: 6860'

Initial: Production
270 BOPD, 134 MCFPD
0 BWPD

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 retrn. 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:

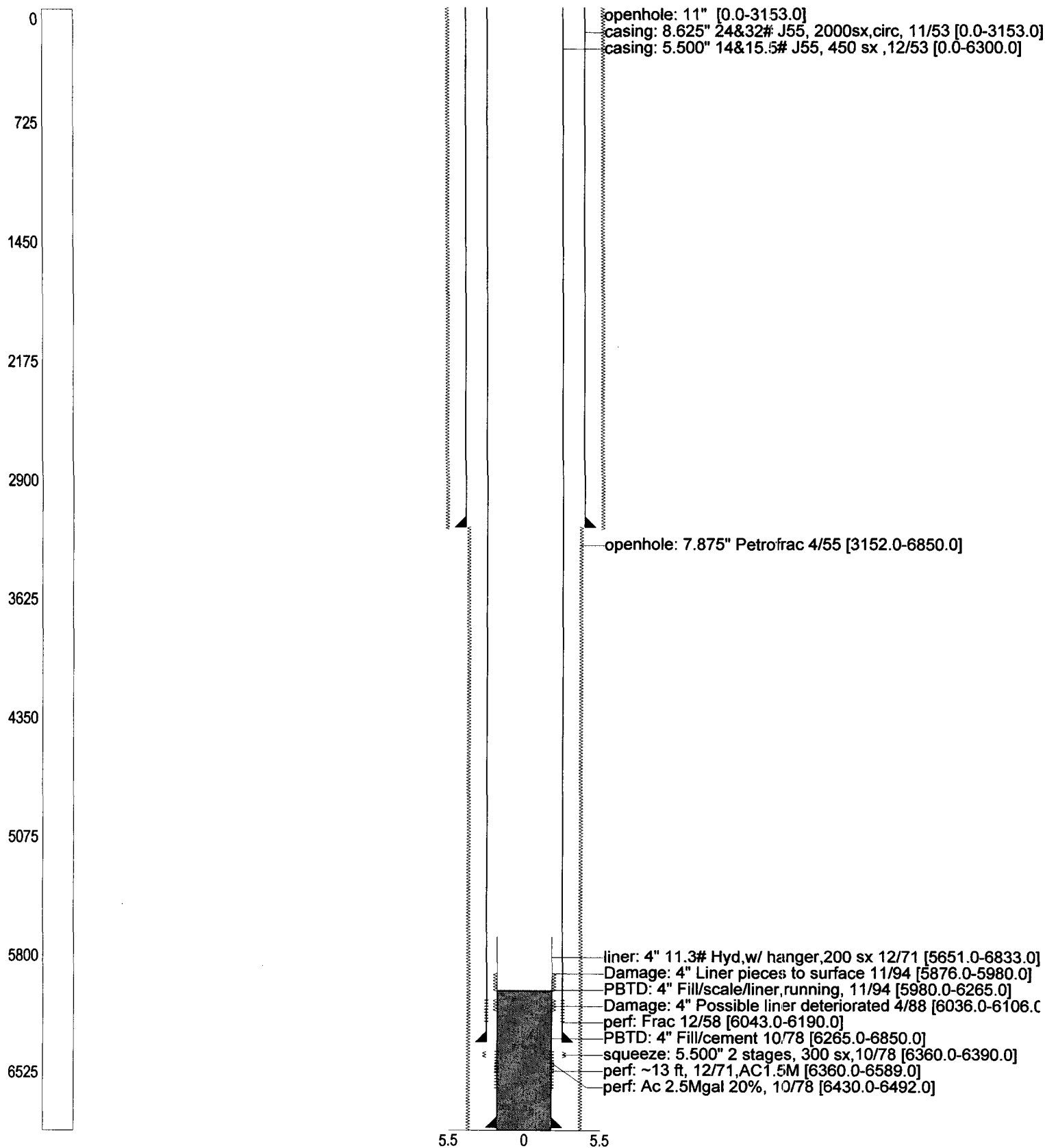
T/Queen @ 3546'
T/Tubb @ 5928'
T/Drinkard @ 6230'
T/Abo @ 6454'

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

West Dollarhide Drk # 79 API # 3002512379

Sec. 5, T25S, R38E, Lea County, NM

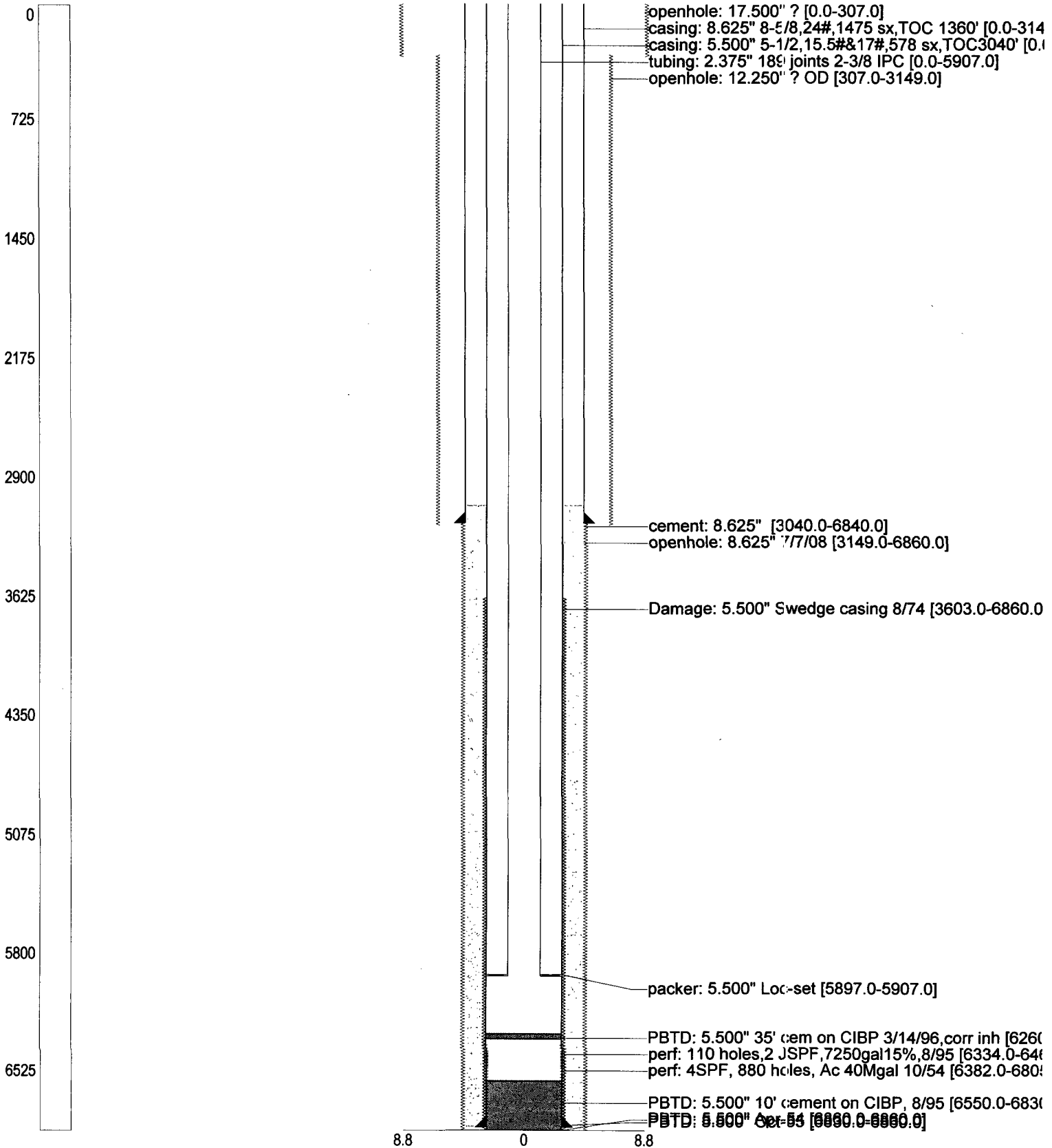
Name: WDDU 79 DH ID: FB3316:0 Type: UN Date: 2/24/2003



West Dollarhide Drk # 80 API # 3002512398

Sec. 6, T25S, R38E, Lea County, NM

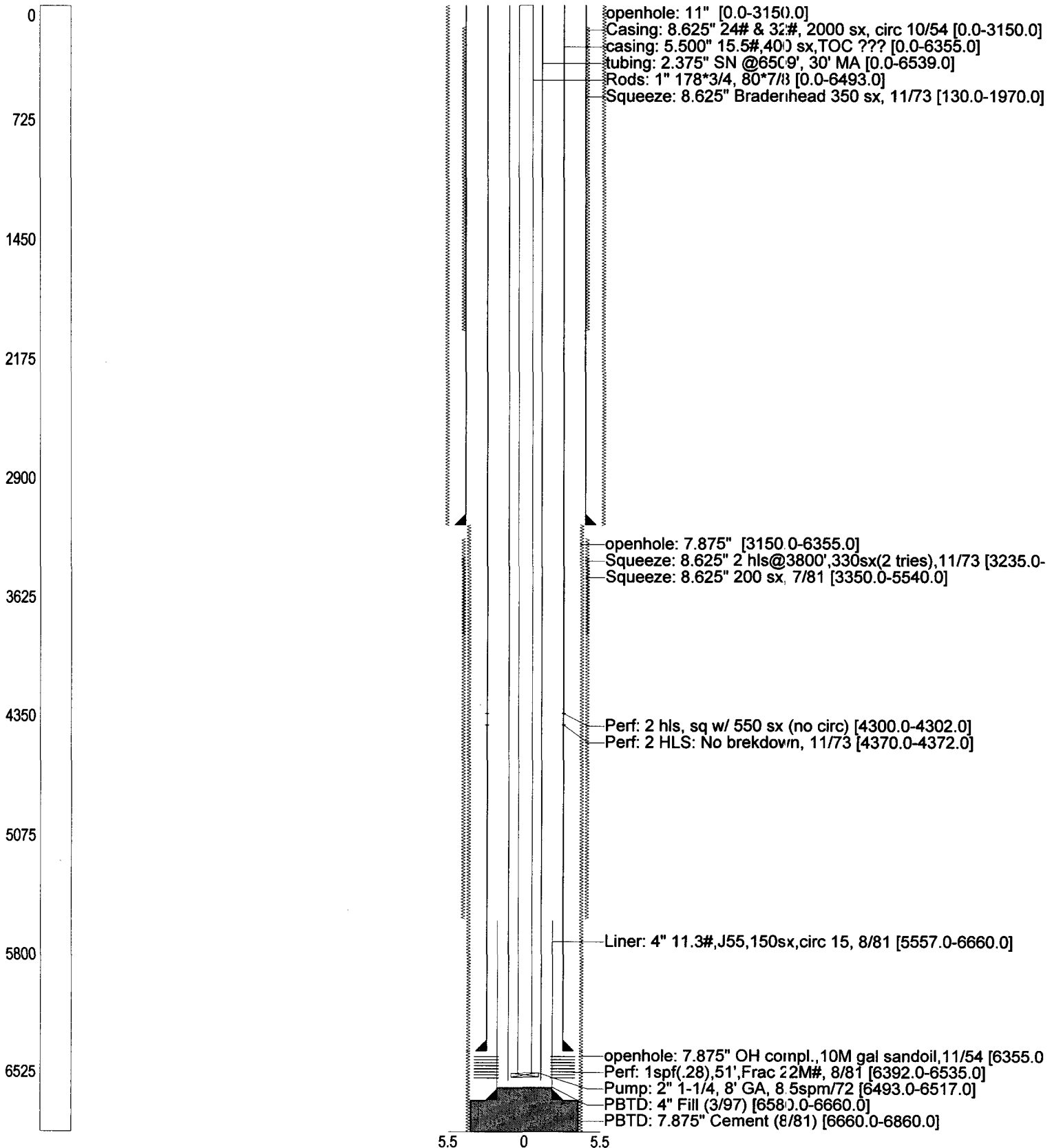
Name: WDDU 80 DH ID: FB3335:0 Type: UN Date: 2/24/2003



West Dollarhide Drk # 81 API # 3002512385

Sec. 5, T25S, R38E, Lea County, NM

Name: WDDU81 ID: FB3322:0 Type: PR Date: 2/24/2003



WELL DATA SHEET

FIELD: Drinkard
 LOC: 1662' FNL & 2130' FWL
 TOWNSHIP: 25S
 RANGE: 38E
 Unit Letter: F

WELL NAME: West Dollarhide Drinkard Unit # 82
 SEC: 5
 COUNTY: Lea
 STATE: NM
 GE: '
 KB:
 DF: 3134'

FORMATION: Drinkard

CURRENT STATUS: Active Wtr Inj.
 API NO: 30-025-12334
 CHEVNO: FB3321

Well Data

Spud: 9-25-54; TD: ; Compl: 11-5-54

Initial completion date: 10-30-54
 Initial Formation: Drinkard
 FROM: 6375' TO: 6870'

Initial: Production
 239 BOPD
 69 MCFPD, 0 BWI

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

Sqzd Csg LK
 in 5-1/2" csg
 3657'-3667'
 w/400 sx cmt

5-1/2" OD, 14, 15.5 & 17# csg
 set @ 6375' w/450 sks cmt
 TOC @ 3685'.
 7-7/8" hole

4" OD Liner
 Set @ 5879' - 6860'
 Pkr @ 6285'

2/9/1976
 Liner Perfs
 6406'-6633'
 Total 49 shots

OH 6375'-6870'

TD @ 6870'
 PBTD @ 6855'

Completion data:

Originally Skelly's Mexico "L" # 20
 Formation - Drinkard
 Acid OH, 6375' to 6870' w/1000 ga's mud acid, 3000 gals
 Dowell M-38 acid & frac'd w/6000 gals sd oil.

Subsequent Workover or Reconditioning:

4-12-55 CO 6375'-6870'.
 9-28-56 Set BP @ 6260', perf 5-1/2" OD csg. 6057'-6234' & acid w/500 gals mud acid.
 2-12-57 Frac'd 6057'-6234' w/10,000 gals acid Petrofrac. Disp 6342 gals & screened out, Reversed out remainder Petrofrac.
 11-13-57 DO BP @ 6260' & circ hole clean.
 1-19-70 CO 6426'-6870'. Ran 2-3/8" OD internally coated tbq w/5-1/2" x2" Guib RMC-1 pkr set @ 5885'. Well converted to Injection 1-22-70.
 8-21-71 CO to 6870', ran 4" OD liner, set @ 5879'-6860' & cmt w/125 sks. Located hole in 5-1/2" OD csg, 3657'-3667' & sqzd w/400 sx cmt. DO cmt to 6855'. Spotted 500 gals 7-1/2% acidiz, ran GRN & collar log, Perf 4" OD in 6395'-6827'. Ran 2-3/8" OD internally coated tbq w/5-1/2" x2" Guib RMC-1 Pkr. Set @ 5731' w/12,000 #. Trt'd 6395'-6825' w/1000 gals 15% acid & 30 balls.
 2-11-76 Ran 4" E-Z dri BP, set @ 6350'. Perf 4" OD csg LN 6404'-6414', w/8 shots; 6426', 1 shot; 6442'-6447', w/5 shots, 6454' w/1 shot; 6458'-6464', w/6 shots, 6481'-6486' w/5 shots, 6490' w/1 shot, 6497.5 w/ 1 shot; 6501.5' w/1 shot; 6511' w/1 shot; 6563' w/1 shot; 6581'-6587' w. 6 shots; 6601' w/1 shot; 6607' w 1 shot; 6614' w/1 shot; 6624'-6633' w/9 shots, total 49 shots. trt perfs 6395'-6650 w/8000 gals 15% NE acid w/45 balls & 1000 # rock salt. RTI 2-11-73, injecting wtr thru Tubbs-Drk perfs @ rate of 700 bbls. wtr per day @ 1500 # pressure.
 1-16-80 RU pulling unit & install BO. POH w/ tbq & Pkr. Set EZ dri BP over Abo zone, run Pkr & tbq back, set pkr within 100' of perfs.
 3-1-84 Cmt Inj Well. Rig up Clark RIJ, PBTD 6860', Perfs @ 6406'-6827'. Pull tbq & Pkr. Ran 4-3/4" bit to 5884'. Ran 3-1/4" bit to 6458' & CO to 6580'. Raise CIBP & set @ 6530'. Ran plug & pkr. Set plug @ 5800'. Tst'd 5-1/2" csg, OK. Ran cmt bond log, 2500'-5700'. TOC @ 3146'. Stringers to 3125'. 8-5/8" csg @ 3150'. 8-5/8" csg @ 3150'. Poor bond 4702'-4475'. Pull BP from 5800' & ran 4" pkr. TOL @ 5884' & plug @ 6000'. Tst TOL to 1000#, OK. Ran 2-3/8" x 4" AD-1 pkr on 203 jts of plastic lined tbq. Set @ 6285' Tst to 1000#, OK. Displ w/ trtd wtr.

5-1/2" OD Perfs
 6057' - 6234'

Liner Perfs
 6395' - 6827'
 Set CIBP @ 6530'

P&A WELL DATA SHEET

FIELD: Drinkard
 LOC: 1656' FNL & 1980' FEL
 TOWNSHIP: 25S
 RANGE: 38E
 Unit Letter: G

WELL NAME: West Dollarhide Drinkard Unit # 83
 SEC: 5
 COUNTY: Lea
 STATE: NM

GE: '
 KB:
 DF: 3159'

FORMATION: Drinkard
 CURRENT STATUS: P&A'd Oil well
 API NO: 30-025-12383
 CHEVNO: FB3320

P&A Well Data

Spud: 4-14-54

Initial completion date: 5-23-54
 Initial Formation: Drinkard
 FROM: 6875' TO: 6870'

Initial: Production
 205 BOPD

8-5/8" OD, 32# Csg
 Set @ 3150' w/ 2000 sx
 Circ Cmt to surface
 11' hole

Completion data:

Originally Skelly's Mexico "L" # 13
 Formation - Drinkard
 Tbg Perfs 6842'-6845'
 Acdz w/1000 gals XM-38

Subsequent Workover or Reconditioning:

5-5-93 MIRU Pull'd rods & pmp. NU BOP. Fish'd tbg. Ran bit
 tp 6578'. Ran Csg inspection log. Liner corroded above DRK
 & QU. By WL, set retainer @ 6040'. isolate LK f/3993'
 to/3527'. Sqzd DKR w/50 sx "H", 1040# Max p. Top w/ 50' sx
 cmt. Spo 10# brine. Spot 25 sx plug f/4454'-3950'. Set WL rtn
 @ 3460', sqzd Queen w/165 sx "H", 1100# max p. Spot 35 sx
 f/3460'-2988', across csg shoe. Circ 10# mud. POH, well well
 started fl. Tag cmt strng @1562'. DO to 3460', flow to pit.
 Sqzd w/150 sx, & top w/35 sx. Circ 10# mud. Spot 25 sx
 f/1625'-1117', (calc), spot 10 sx f/120' to surf. Cutoff wellhead
 & set dry hole marker, & clean loc.
 Well P&A'd.

Additional Data:

T/Salt @ 1270' to 2504'
 T/Queen @ 3590'
 T/Tubbs @ 5986'
 T/Drinkard @ 6330'

Isolated LK
 in 5-1/2" csg
 3993'-3527'

5-1/2" OD, 15.5#, J-55 csg
 set @ 6385' w/450 sks cmt
 TOC @ 4067' by TS
 7-7/8" hole

4" OD, 11.34#, Tie-Back Liner
 Set @ 5850' -6601'
 250 sx cmt, circ'd.

Liner Perfs
 6450'-6578'

OH 4-3/4"
 6385'-6870'

Orig. TD @ 6870'

WELL DATA SHEET

FIELD: Drinkard
 LOC: 1650' FNL & 990' FEL
 TOWNSHIP: 25S
 RANGE: 38E
 Unit Letter: H

WELL NAME: West Dollardhide Drinkard Unit # 84
 SEC: 5
 COUNTY: Lea
 STATE: NM
 GE: '
 KB:
 DF: 3171'

FORMATION: Drinkard
 CURRENT STATUS: Active Wtr Injection
 API NO: 30-025-12382
 CHEVNO: FB3319

Well Data

Spud: 4-12-54

Initial completion date: 5-24-54
 Initial Formation: Drinkard
 FROM: 6420' TO: 6880'

Initial: Production
 223 BOPD , 223 MCFPD

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

Completion data:

Originally Skelly's Mexico "L" # 18
 Formation - Drinkard
 Acdz w/4000 gals XM-38

Subsequent Workover or Reconditioning:

6-57 Set CIBP @ 6350', Perf 5-1/2" csg, 6109'-6320'. Acdz w/500 gals Mud Acid. Frac 6109'-6320' w/10,000 gals Petrofrac 1# 20/40 mesh sd per gal.
 10-67 removed CIBP opening OH section 6420'-6880', in additions to 6109' - 6320'. Test before 45 BOPD, After 150 BOPD.
 9-69 ROH w/ rods & tbq. Ran 2-3/8" tbq, set Pkr @ 5905'. Well converted to Wtr Inj Well on 1-13-70.
 12-71 Pulled tbq & pkr, CO 6855'-6880'. Ran 4" liner, 5774' to 6877' & cmt. CO & spot 500 gals 7-1.2%, acdz 6838'-5774'. Perf In 6436-6650'. Ran tbq & Pkr. Set Pkr @ 5896'. Trt Perfs 6436'-6650' w/1500 gals 15% NE & 30 ball sealers. RTI.
 2-76 Perf 4" Ln w/.25" JHPF, 6444'-50', 6472'-77', 6486'-93', 6506'-, 6539', 6560'-63', 6568'-71', 6594'-6603', 6630'-36', 6647'-52', 46 shots. Acdz w/7000 gals 15% NE, w/45 ball sealers & 1800 # salt dn 2-3/8" tbq. I:SDP-1500# 15%=1500# Max T.P. 3400#. Min T.P. 3300# Average Inj Rate 4.6 BPM

Additional Data:

T/Salt @ 1265'
 B/Salt @ 2516'
 T/Queen @ 3617'
 T/Grayburg @ 3800'
 T/Drinkard @ 6372'

Csg Lk
 Perf & Sqz in Queen
 4100'-4101'

Inj Pkr Set @ 5896'
 4" Liner 5774' to 6877'

Perfs:
 6109' (14')
 6176' -80' (4')
 6184'-86' (2')
 6198'-6204' (4')
 6210'-14' (4')
 6220'-24' (4')
 6240'-44' (4')
 6270'-73' (3')
 6278'-82' (4')
 6298'-6302' (4')
 6313'-20' (5')

5-1/2" OD, 14 & 15.5#, J-55 csg
 set @ 6420' w/450 sks cmt
 TOC @ 4260' by TS
 7-7/8" hole

Liner Perfs: 46 shots
 2/9/1976
 6444'-50'
 6472'-77'
 6486'-93'
 6506'
 6539'
 6560'-63'
 6568'-71'
 6594'-6603'
 6630'-36'
 6647'-52'

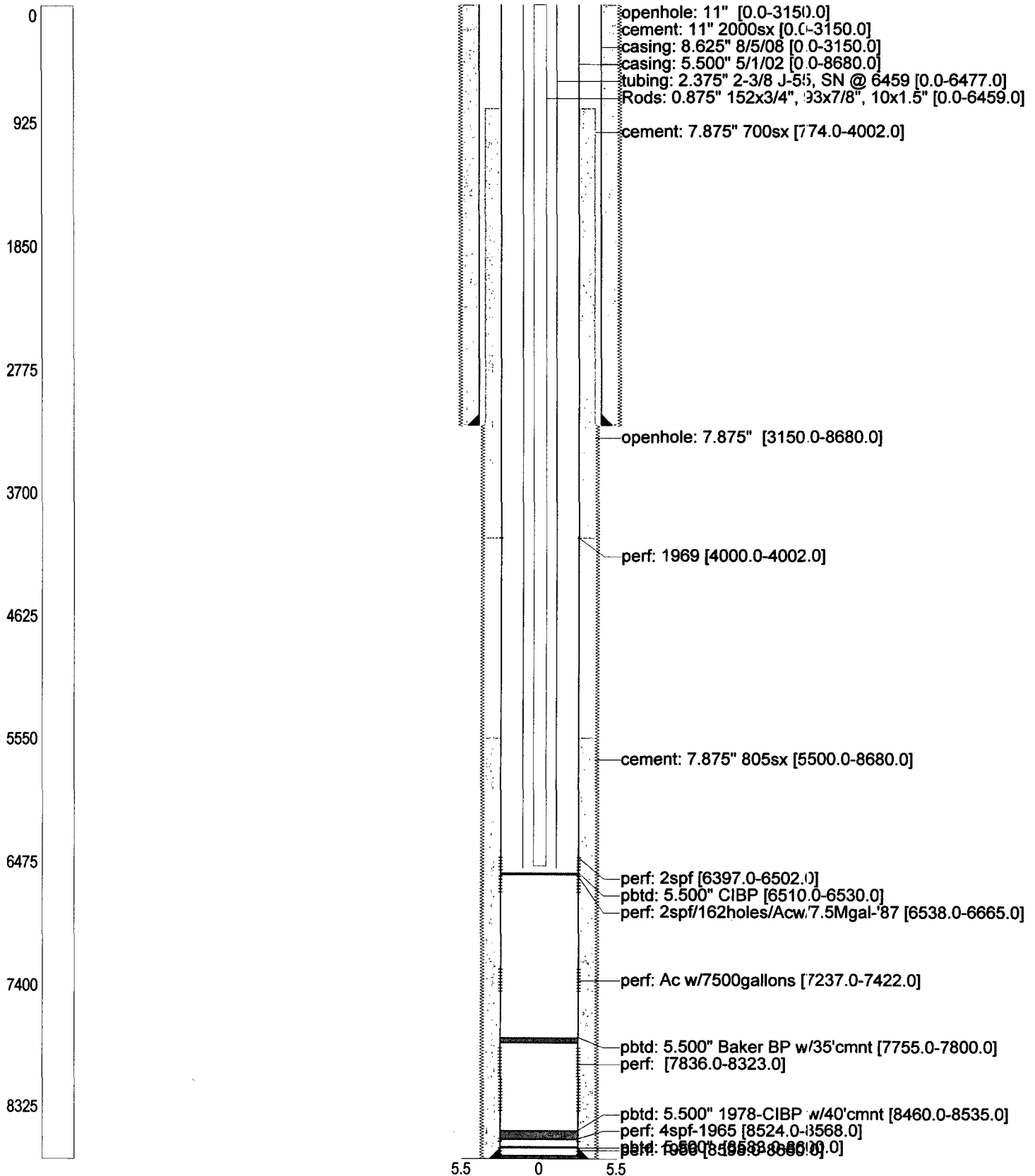
OH 4-3/4"
 6420' to 6880'

Orig. TD @ 6880'

West Dollarhide Drk # 88 API # 3002512387

Sec. 5, T25S, R38E, Lea County, NM

Name: WDDU 88 DH ID: FB3324:0 Type: ZA Date: 2/24/2003



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

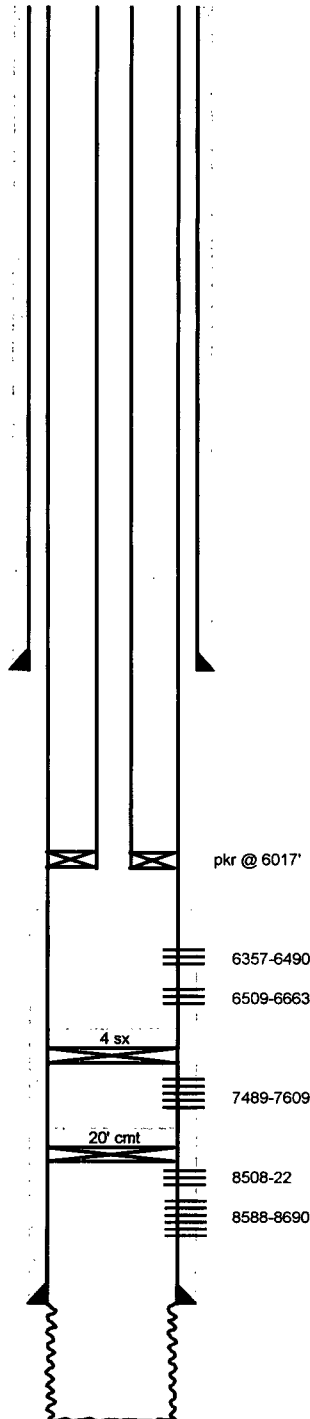
199 jts 2 7/8" tbg
5 1/2" x 2 7/8" T/A
land tbg @ 6730'
T/A @ 6514

Production Csg: 5 1/2"
Set: @ 8680' w/ 920 sx cmt
TOC @ 6273 by TS

CIBP @ 7420

BP @ 8450

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 7489-94, 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/ 1500gal 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 surfactant

10-20-87 perf 6509-13, 32-47, 57, 58, 64-
71, 74-86, 90-95, 6603-07, 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 surfactant

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

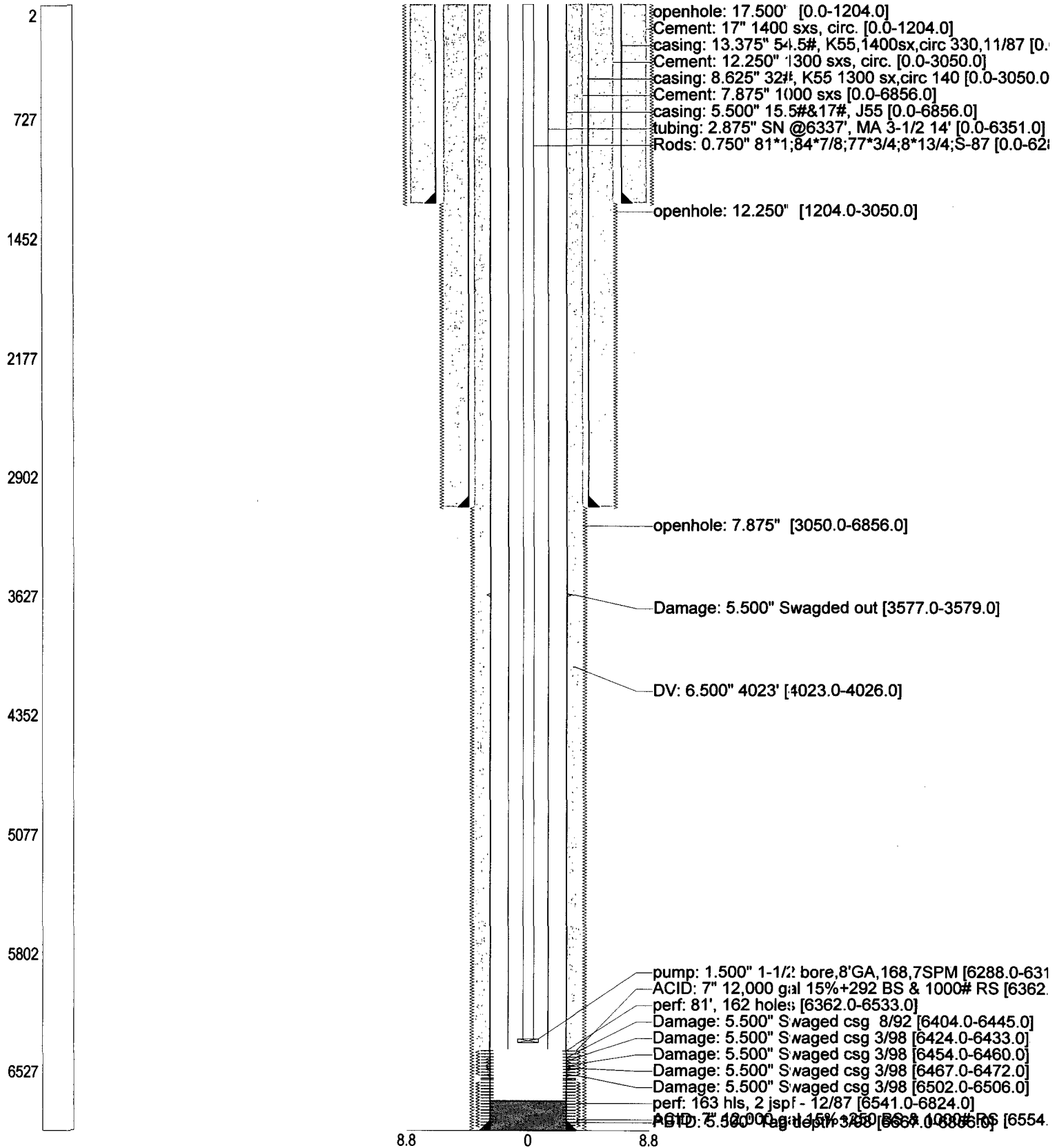
11-6-90 perfs 6357-6663 sqz w/ 3 drums
scale inhibitor mixed in 30 bbl fresh
water, flush w/ 200 bbl prod water, pump
500gal 15% NEFE acid, flush w/ 36 bbl
prod water, max P 190#, min P 850#,
ISIP 1400#

Updated 7-15-02

West Dollarhide Drk # 94 API # 3002530054

Active Oil Well, Sec. 32 T2S, R38E, Lea County, NM

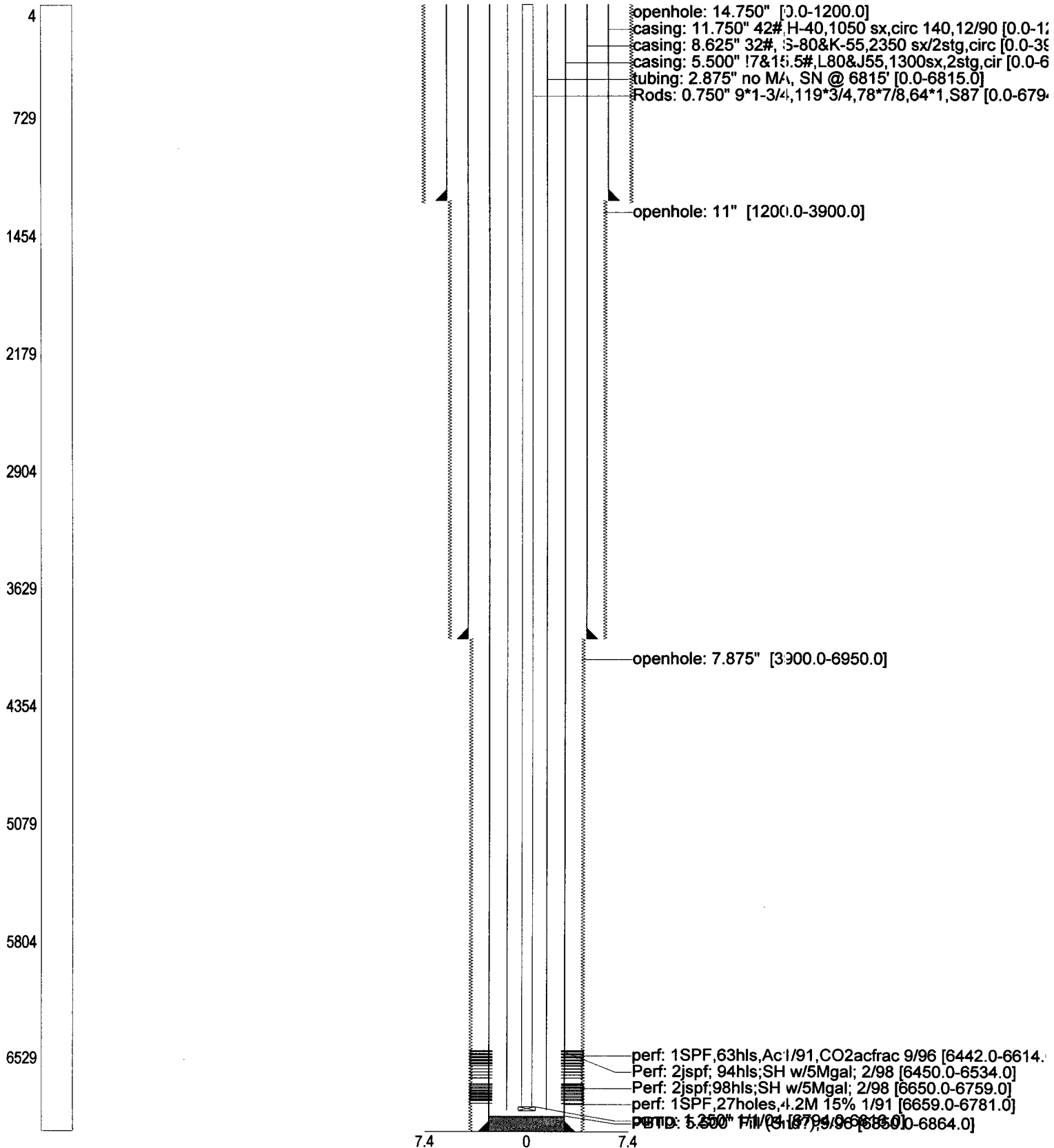
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West Dollarhide Drk # 102 API # 3002530824

Active Oil Well, Sec. 32 T25S, R38E, Lea County, NM

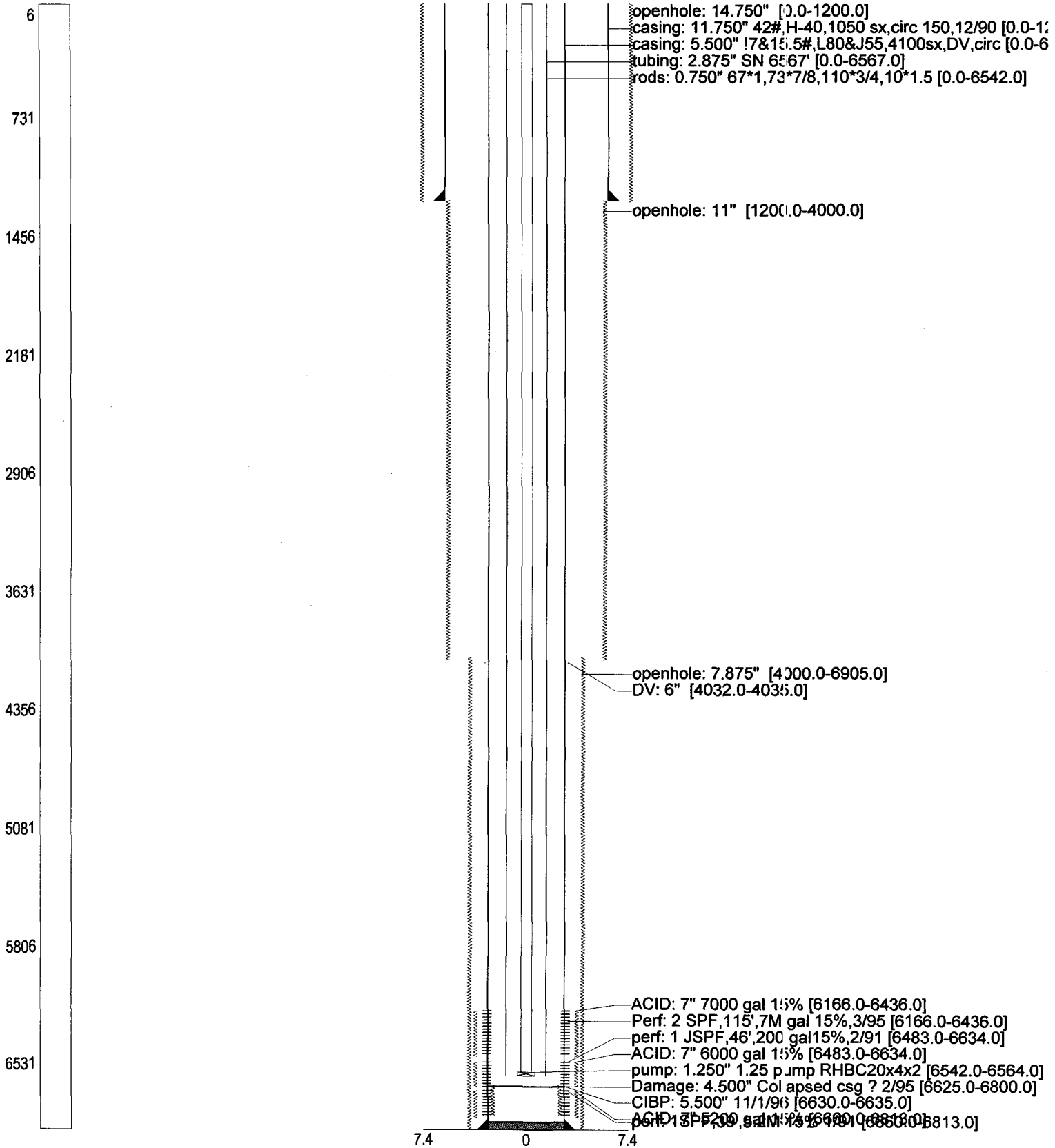
Name: WDDU102 ID: KZ1045:0 Type: PR Date: 2/24/2003



West Dollarhide Drk # 103 API # 3002530825

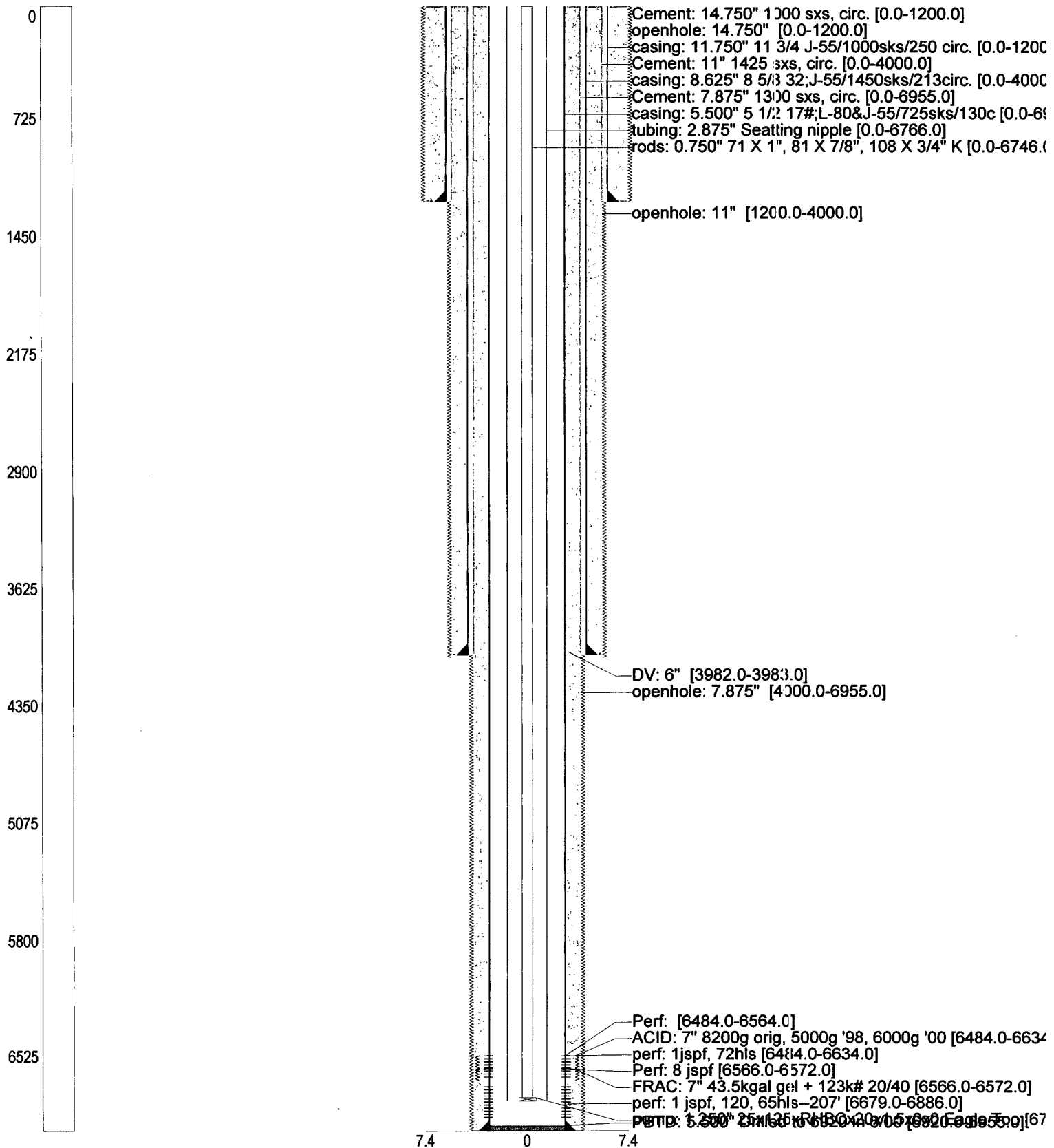
Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM

Name: WDDU103 ID: KZ1043:0 Type: PR Date: 2/24/2003



West Dollarhide Drk # 104 API # 3002530826
 Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM

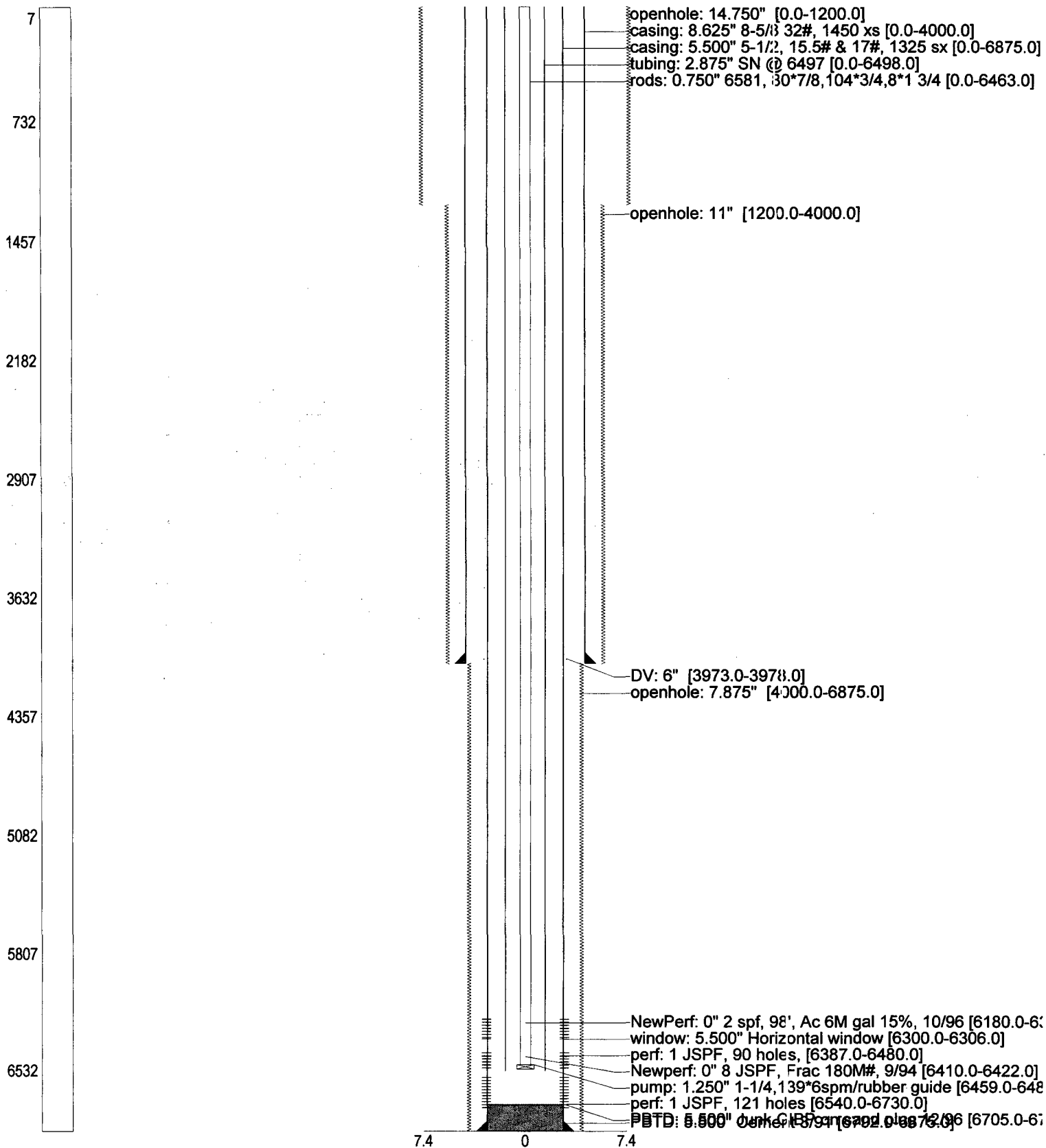
Name: WDDU104 ID: KZ1044:0 Type: PR Date: 2/24/2003



West Dollarhide Drk # 105 API # 3002530827

Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM

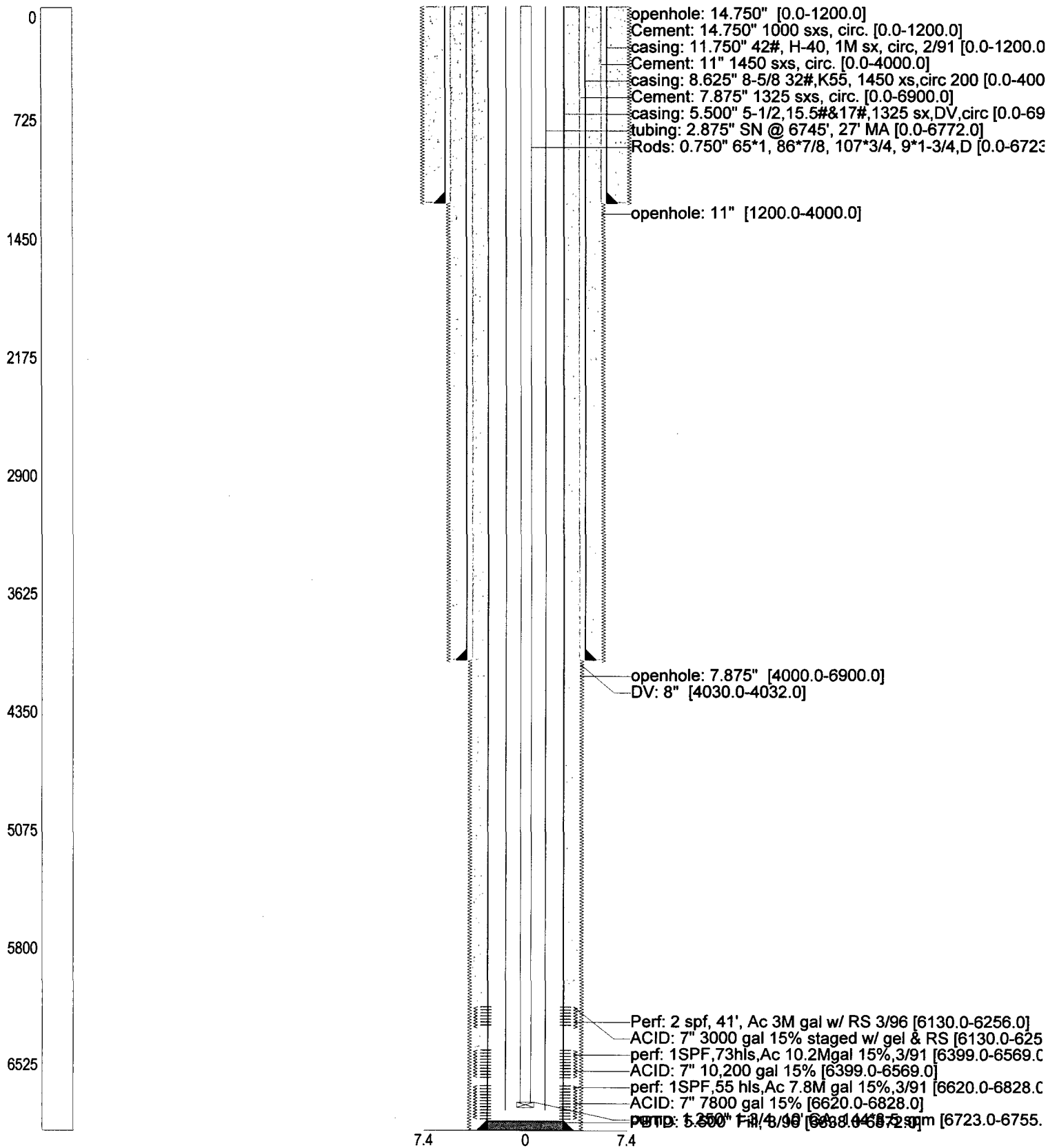
Name: WDDU 105 DH ID: OM1986:0 Type: ZA Date: 2/24/2003



West Dollarhide Drk # 106 API # 3002530828

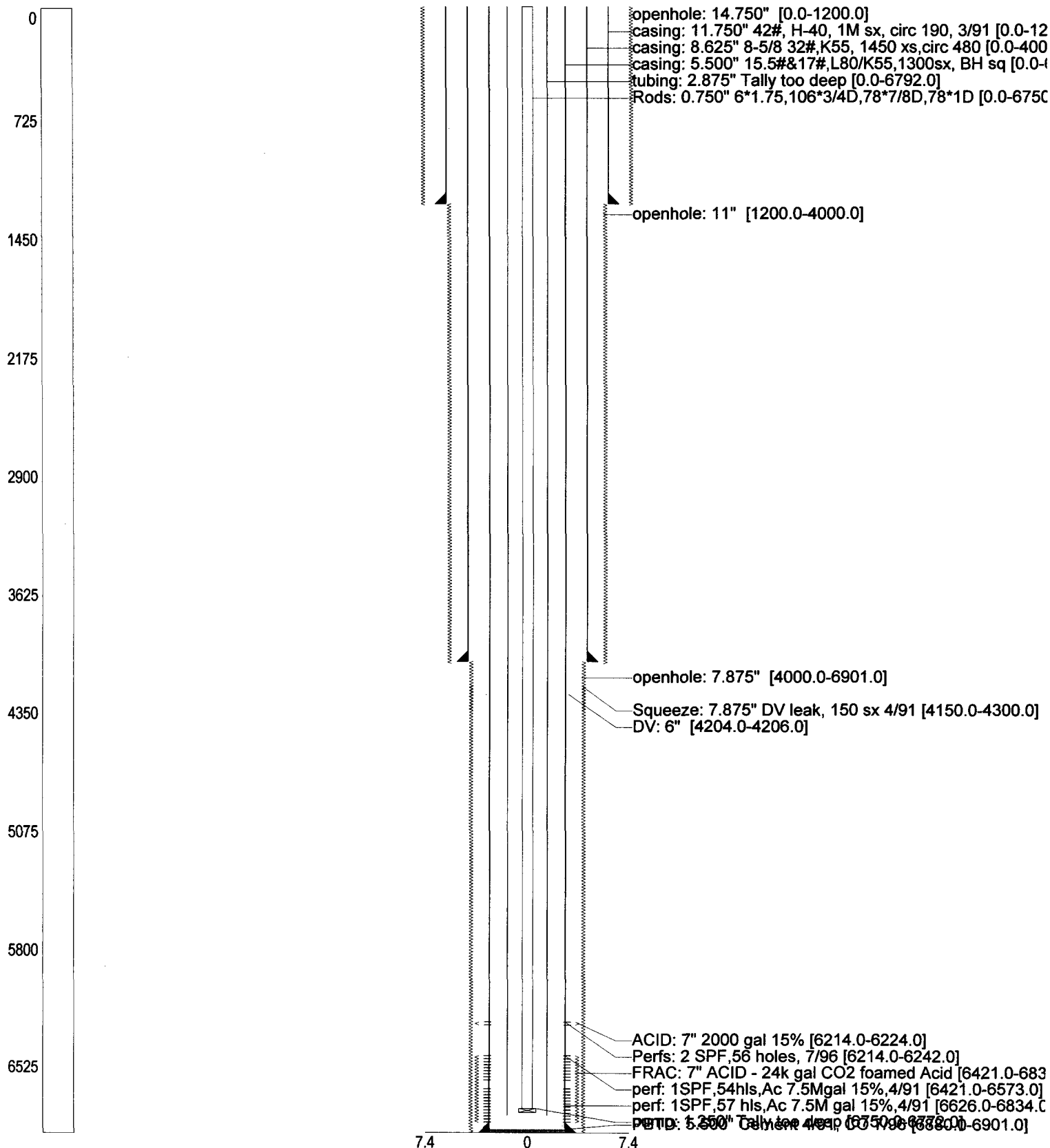
Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM

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

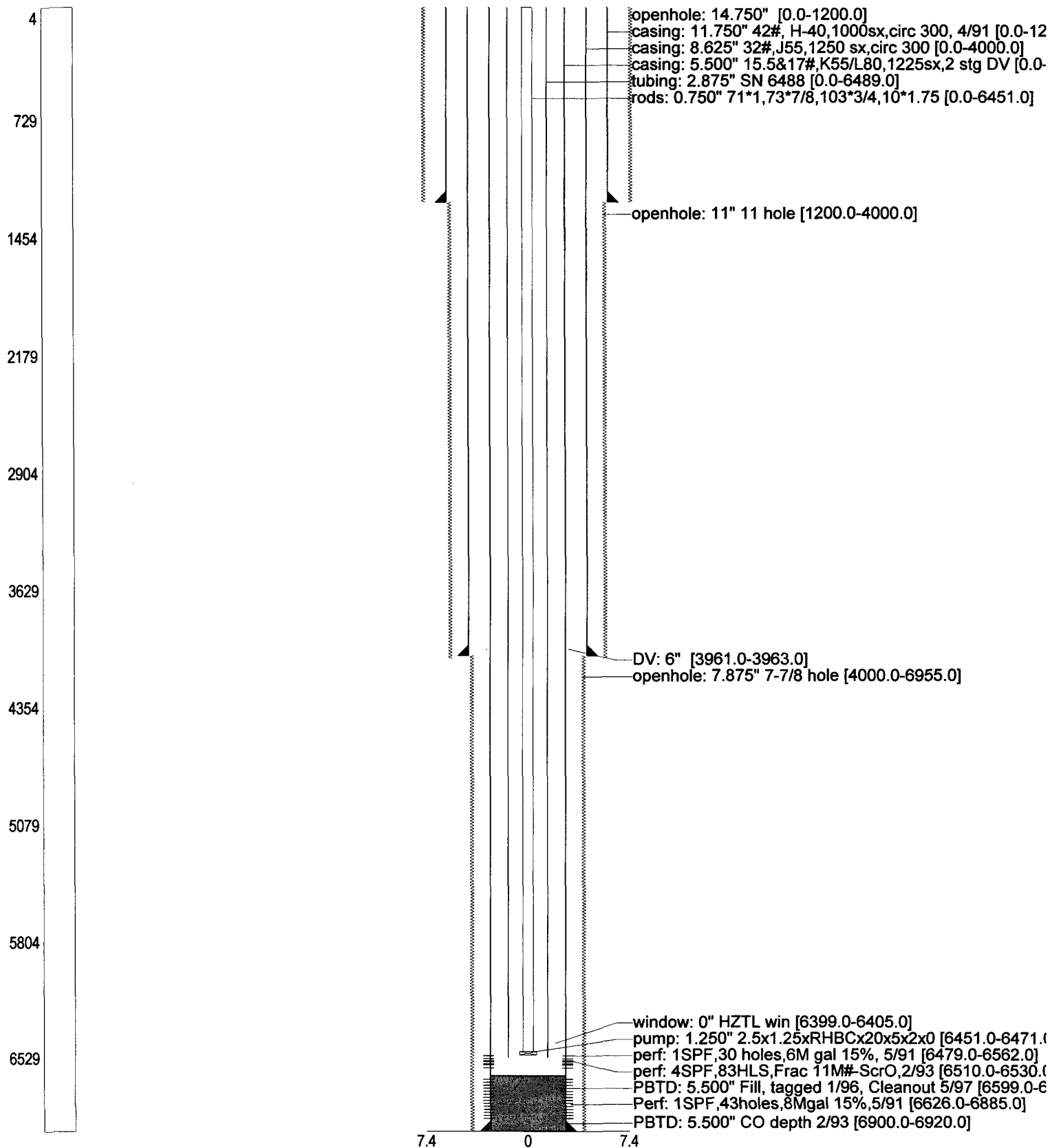
Name: WDDU107 ID: KZ8809:0 Type: PR Date: 2/24/2003



West Dollarhide Drk # 108 API # 3002530830

Hole Abandoned, Sec. 33 T24S, R38E, Lea County, NM

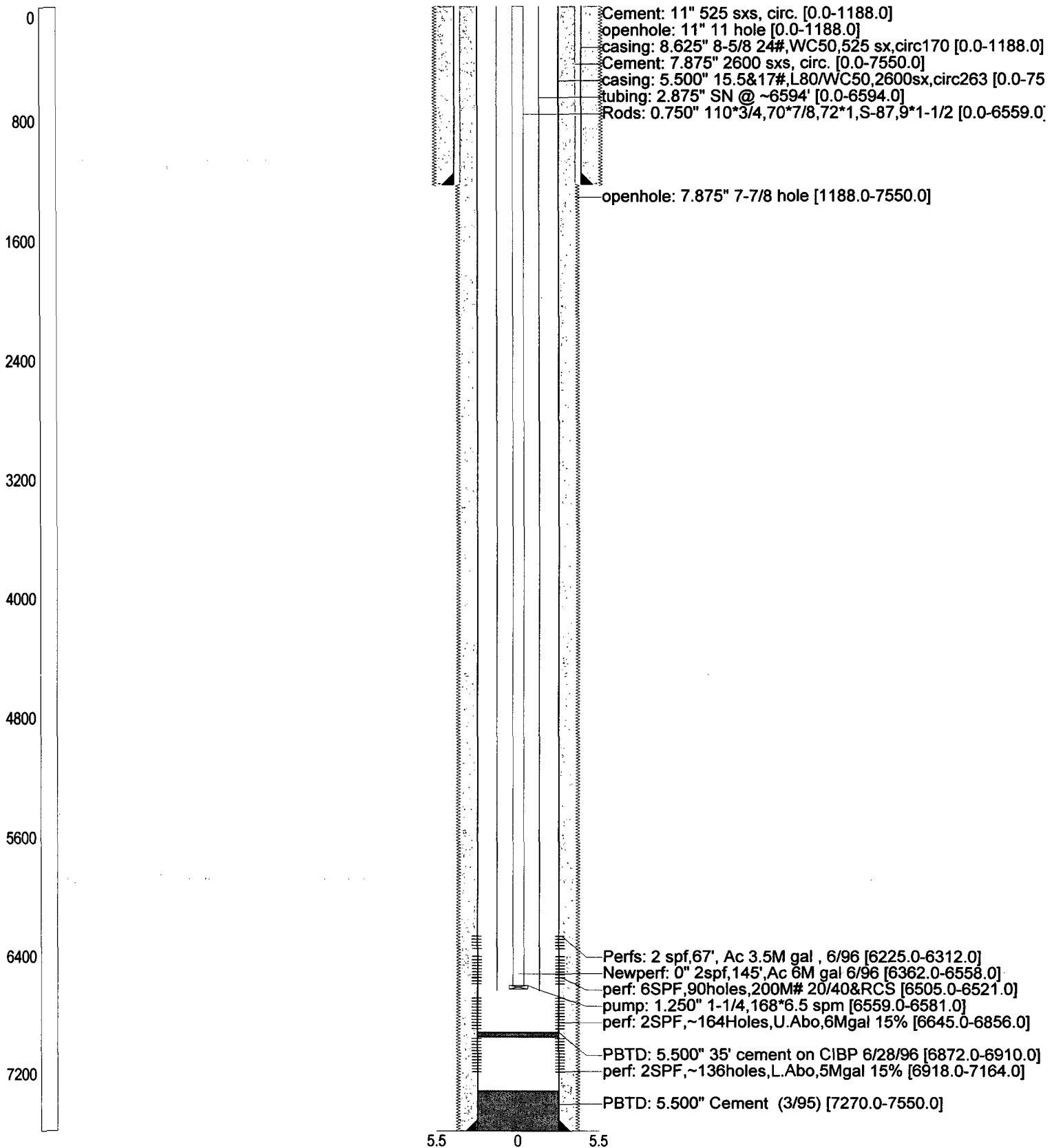
Name: WDDU 108 DH ID: KZ8810:0 Type: UN Date: 2/24/2003



West Dollarhide Drk # 109 API # 3002532766

Active Oil Well, Sec: 32 T24S, R38E, Lea County, NM

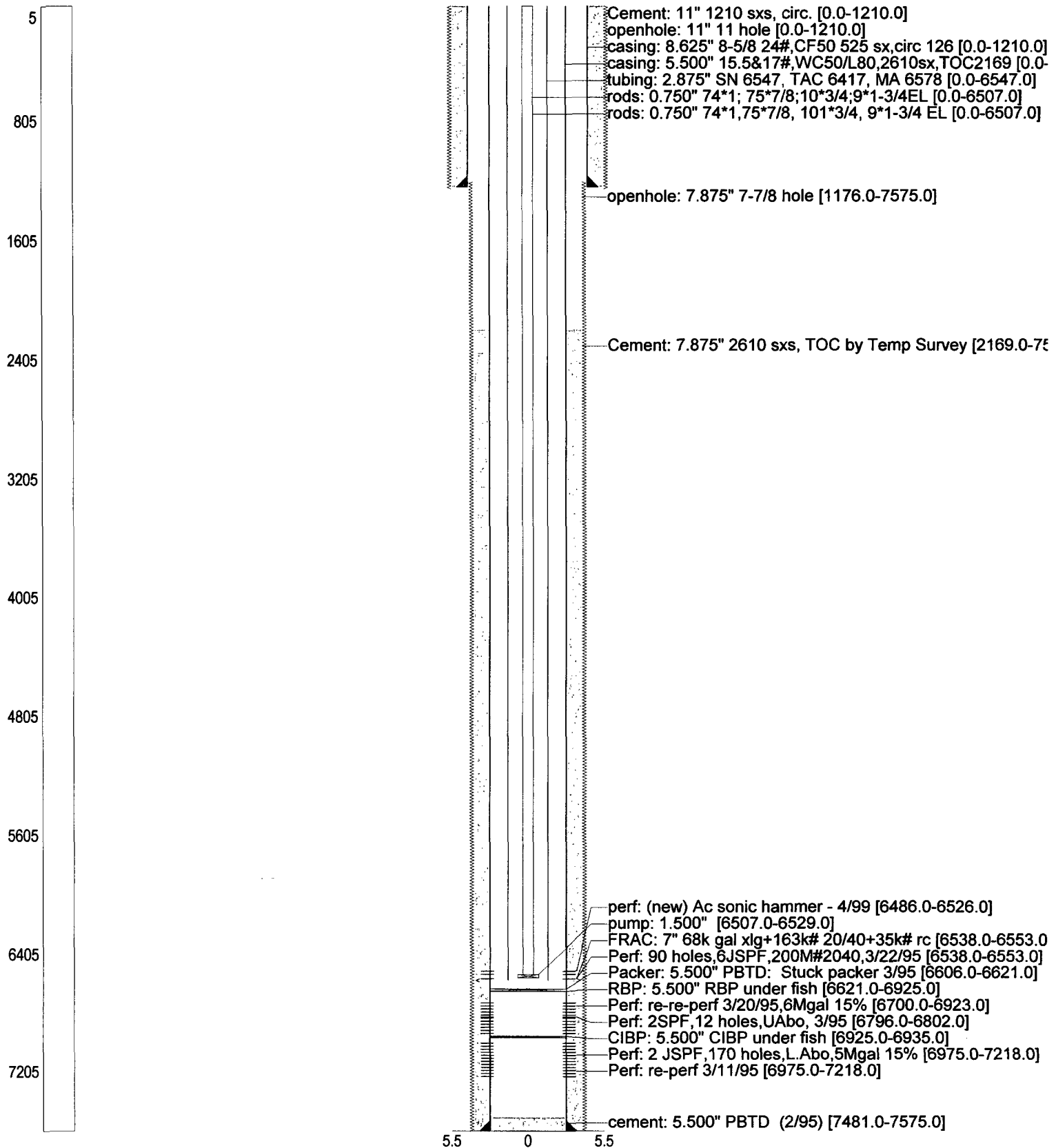
Name: WDDU109 ID: BC1100:0 Type: PR Date: 2/24/2003



West Dollarhide Drk # 110 API # 3002532767

Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM

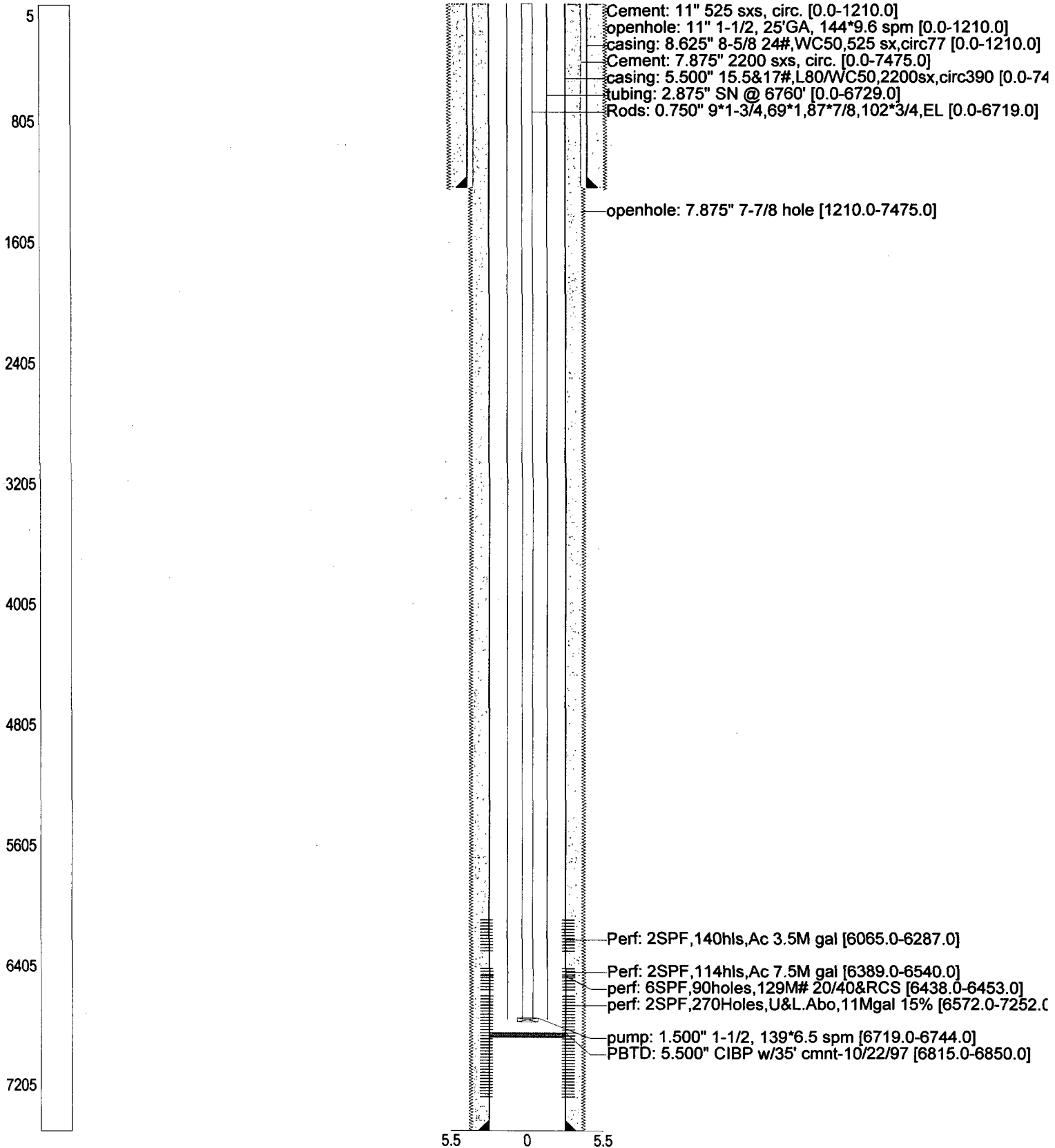
Name: WDDU110 ID: BC1101:0 Type: PR Date: 2/24/2003



West Dollarhide Drk # 111 API # 3002532768

Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM

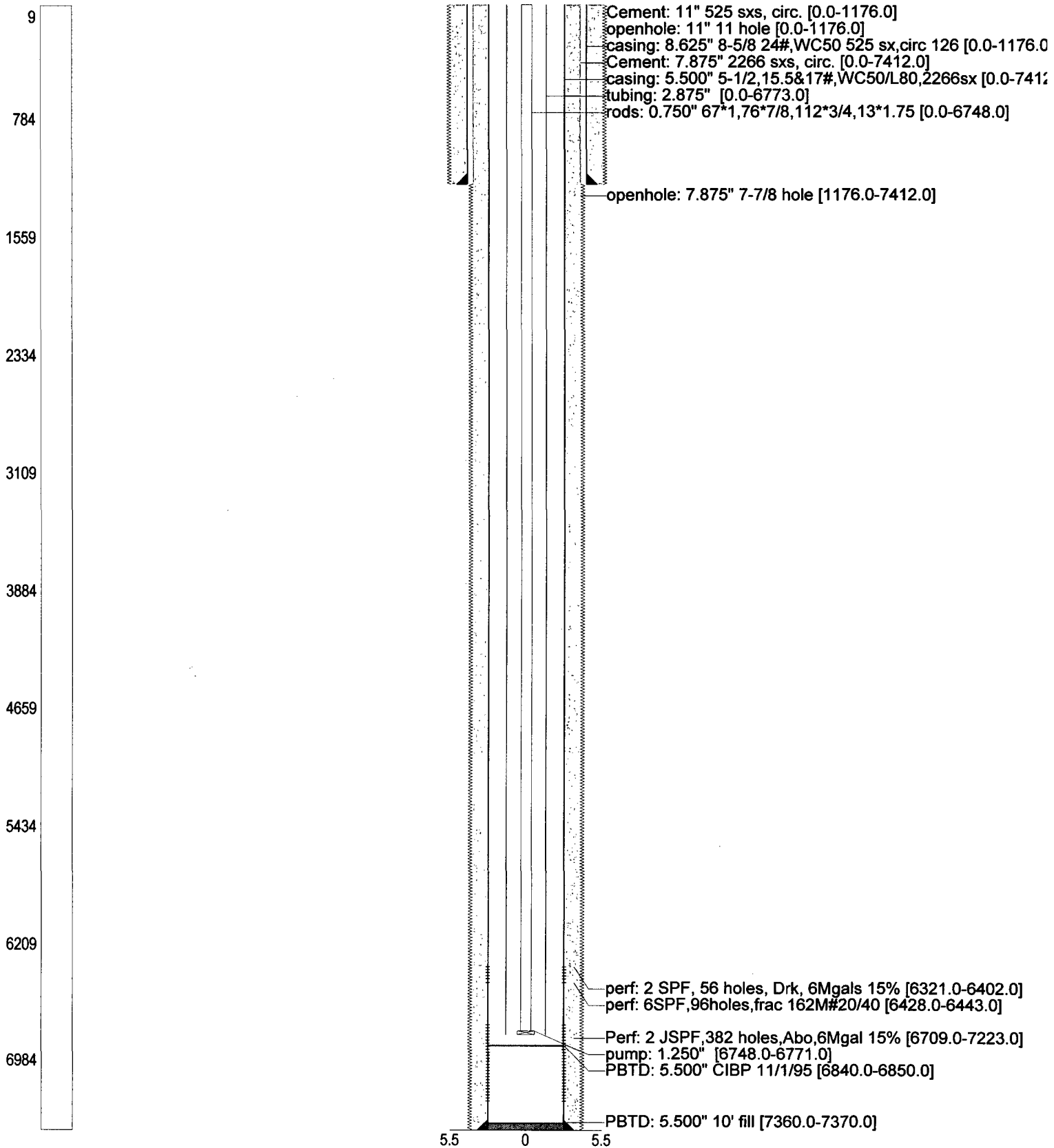
Name: WDDU111 ID: BC1102:0 Type: PR Date: 2/24/2003



West Dollarhide Drk # 112 API # 3002532769

Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM

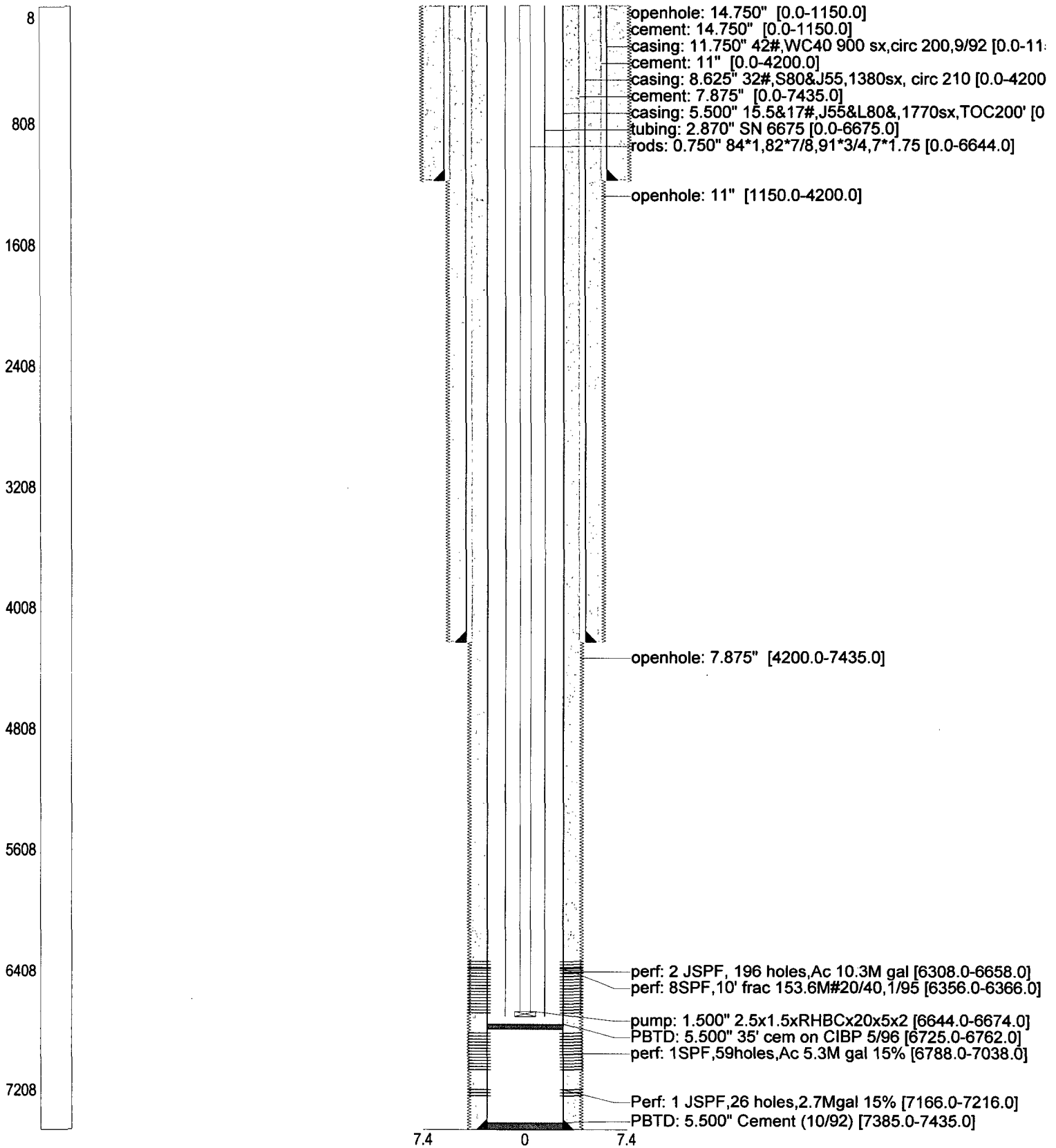
Name: WDDU112 ID: BC1103:0 Type: PR Date: 2/24/2003



West Dollarhide Drk # 113H API # 300253148201

Active Oil Well, Sec. 32 T24S, R38E, Lea County, NM

Name: WDDU113 ID: QU2103:0 Type: PR Date: 2/24/2003



WELL DATA SHEET

FIELD: West Dollarhide Drinkard Unit

LOC: 108' FNL & 2325' FWL

TOWNSHIP: 25S

RANGE: 38E

Unit Letter: C

Sec: 5

Cnty: Lea

State: NM

Well No: 114H

GL: 3145'

KB: 3163'

DF to GL:

FORMATION: Drinkard

CURRENT STATUS: Producer

API NO: 30-025-31499

Chevron: QU2535

Dual Horizontal

Spud: 10-05-92

Date Completed: 12-12-92

Initial Formation: Drinkard

FROM: 6340' TO: 7076'

Initial: Production

159 Oil, 65 MCF, 36 Wtr

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

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'

Completion data:

Perfs:

6810' - 7076', 2 JHPF: 98 holes

6548' - 6763', 2 JHPF: 102 holes

6340' - 6488', 2 JHPF: 84 holes

Acidz 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'

Permanent Pkr @ 6316' to 6320'

PBTD 6316'

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'

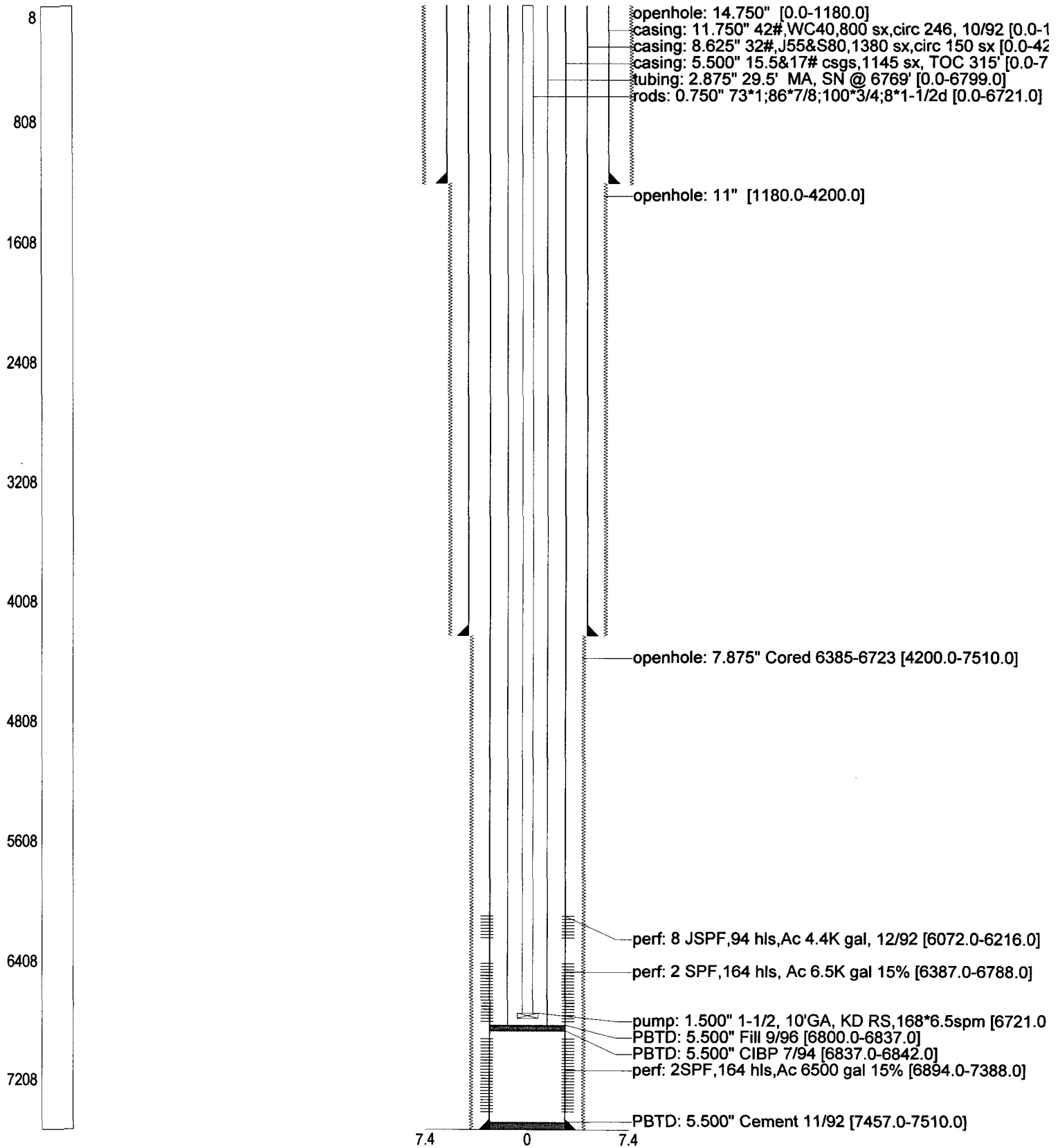
TD @ 7440'
PBTD @ 7287'

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

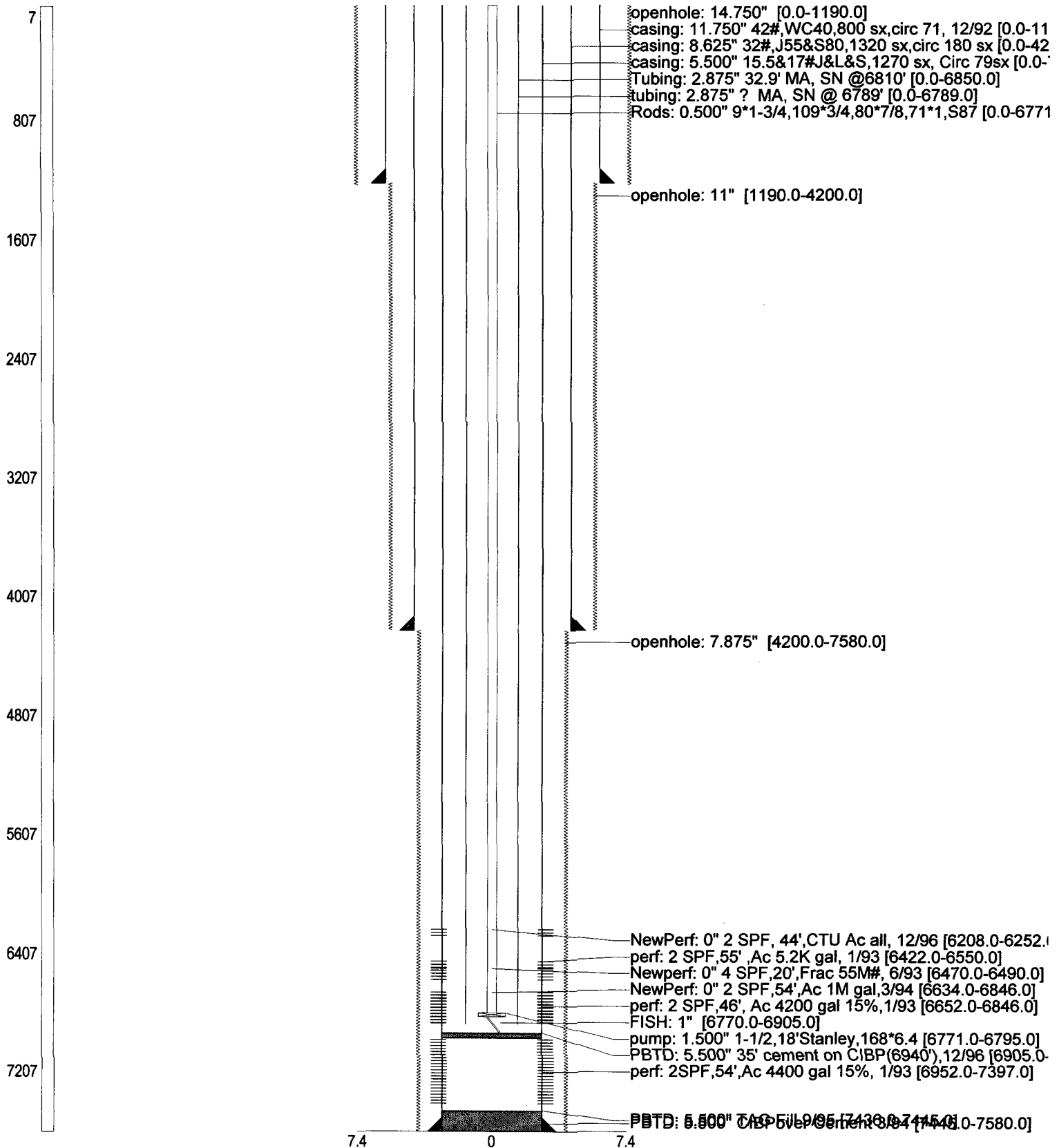
Name: WDDU 115 DH ID: QU2532:0 Type: UN Date: 2/24/2003



West Dollarhide Drk # 116H API # 300253148401

Active Oil Well, Sec. 4, T25S, R38E, Lea County, NM

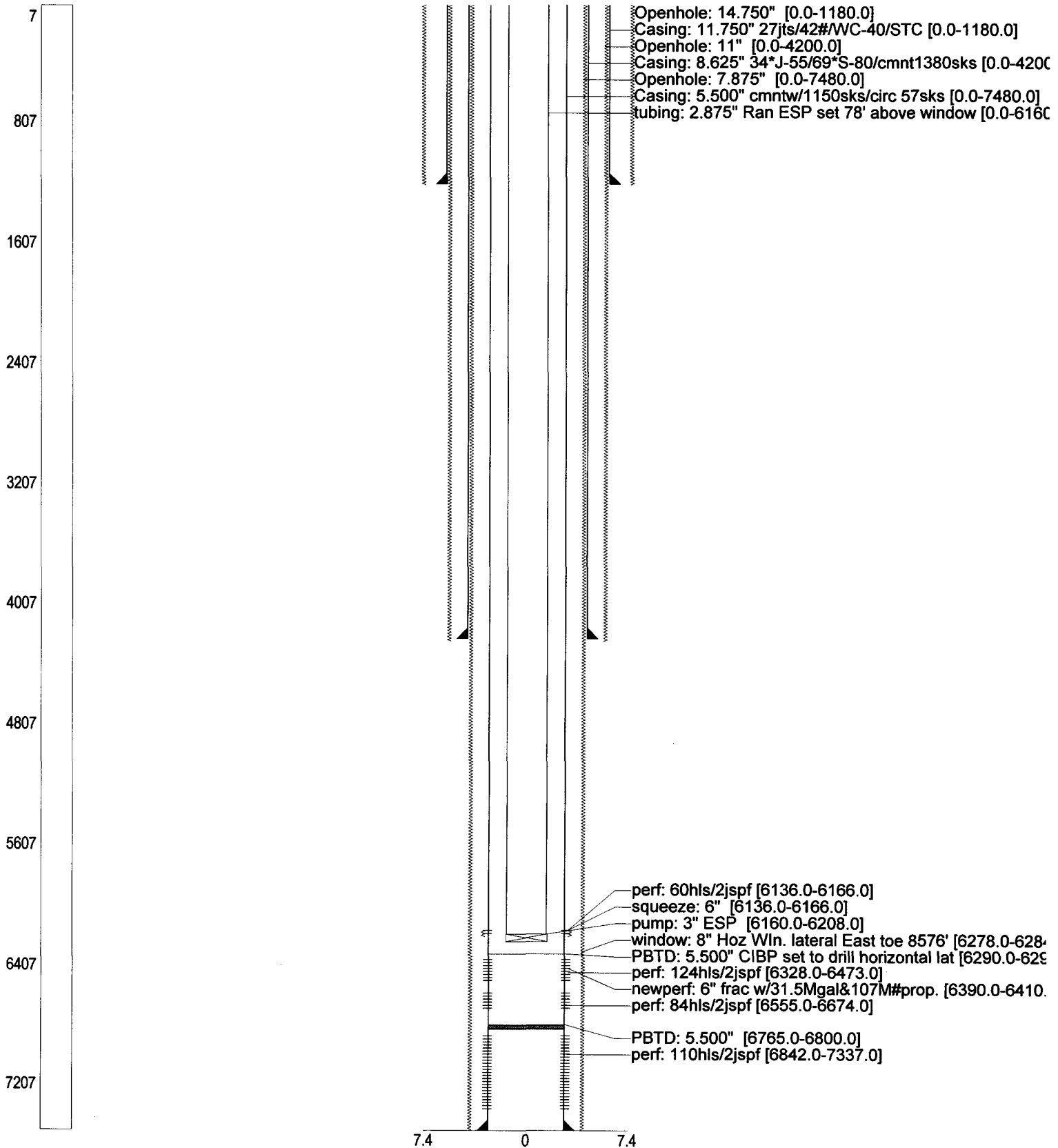
Name: WDDU 116 DH ID: QU2533:0 Type: UN Date: 2/24/2003



West Dollarhide Drk # 118H API # 300253150001

Active Oil Well, Sec. 5, T25S, R38E, Lea County, NM

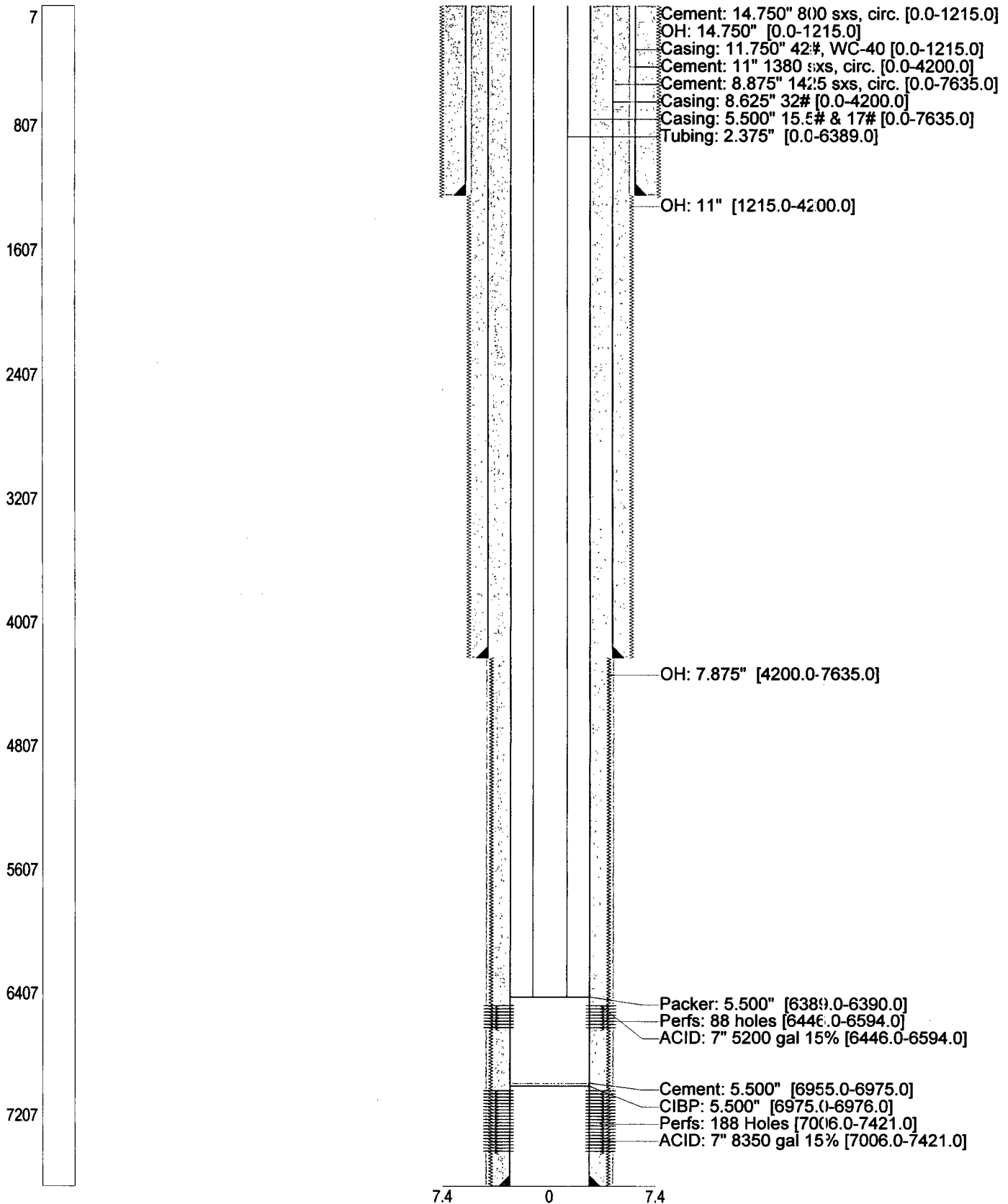
Name: WDDU 118 DH ID: QU2536:0 Type: UN Date: 2/24/2003



West Dollarhide Drk # 122 API # 3002531489

Active Inj. Well, Sec. 32, T24S, R38E, Lea County, NM

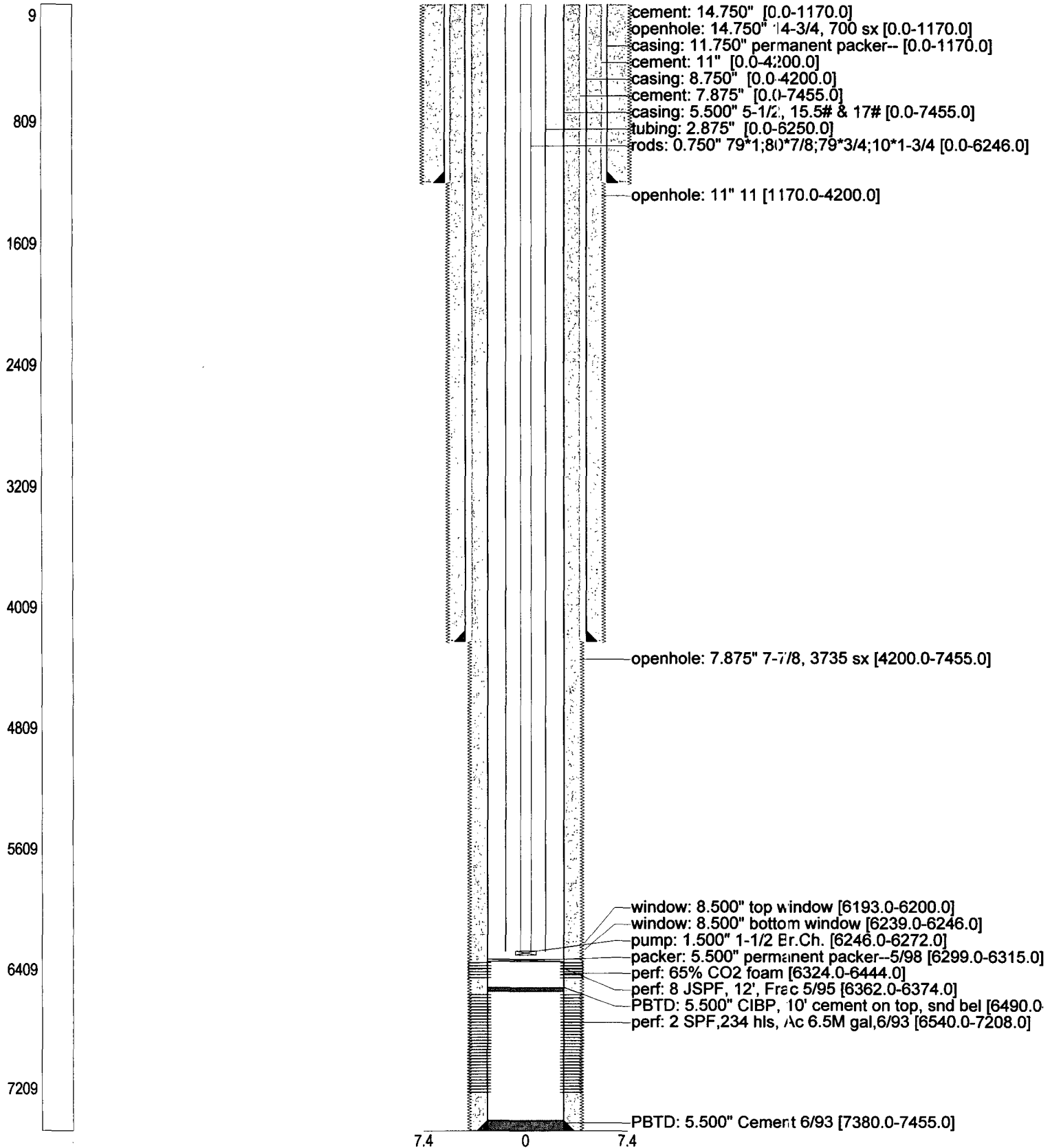
Name: WDDU 122 DH ID: QU2534:0 Type: UN Date: 2/24/2003



West Dollarhide Drk # 123H API # 300253197101

Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM

Name: WDDU 123 DH ID: QU2193:0 Type: UN Date: 2/24/2003



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

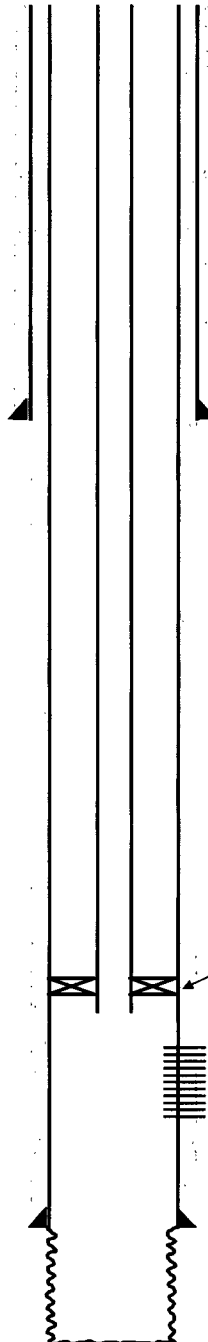
Surf. Csg: 8 5/8" 24# WC-50
Set: @ 1157' w/ 325 sx class 'C' cmt
TOC @ surf by circ

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'



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 Wellbore

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 bric ges 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

pkrs set @ 6241'

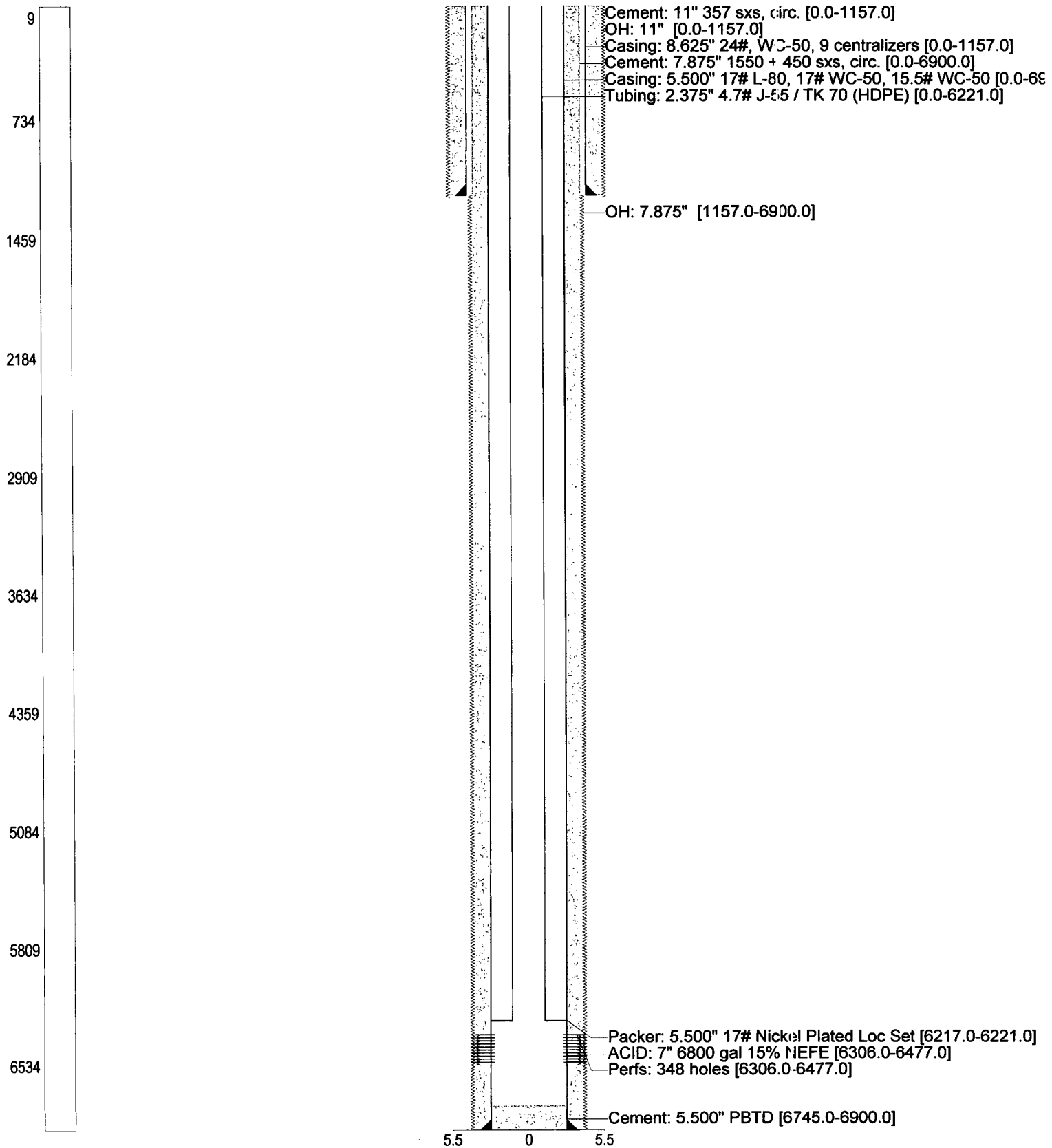
6306-6477

Updated: 7-16-02

West Dollarhide Drk # 139 API # 3002531999

Active Injection Well, Sec. 5, T25S, R38E, Lea County, NM

Name: WDDU 139 DH ID: QU3176:0 Type: UN Date: 2/24/2003



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'

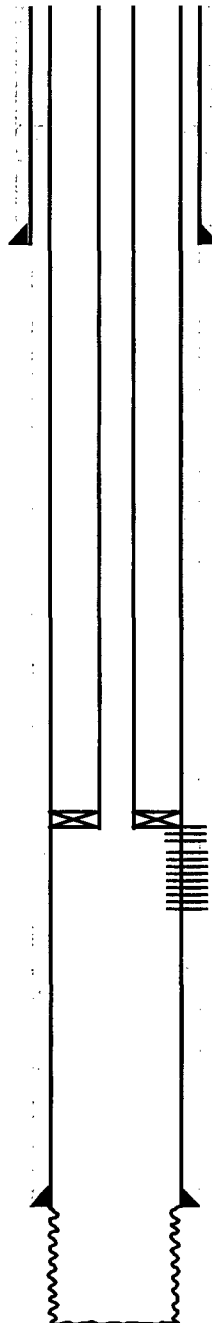
Surf. Csg: 8 5/8" 24# WC-50
Set: @ 1210' w/ 500 sx class 'C' cmt
TOC @ surf by circ

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'



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%

6457-6486

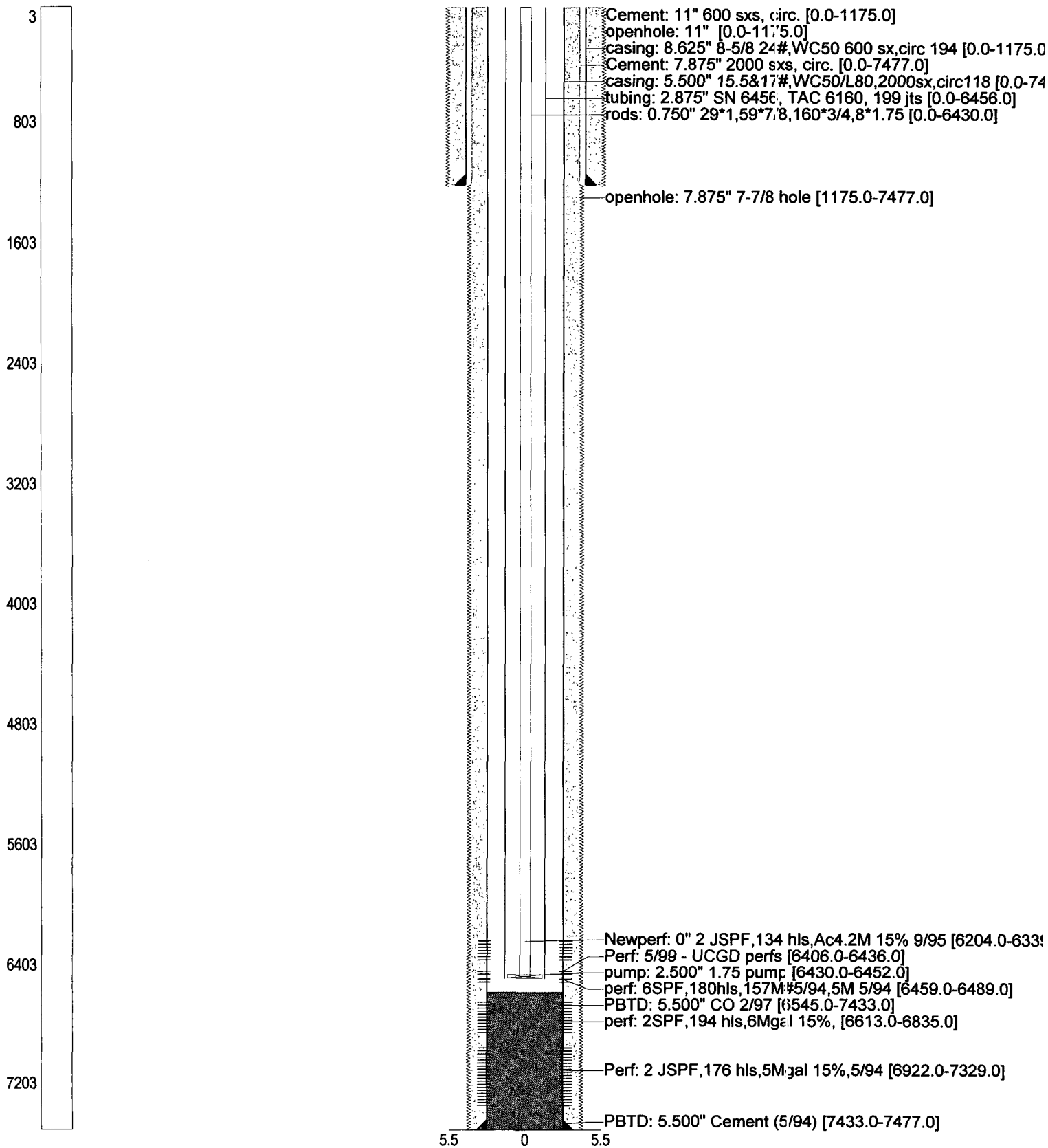
6496-6612

Updated 7-16-02

West Dollarhide Drk # 144 API # 3002532372

Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM

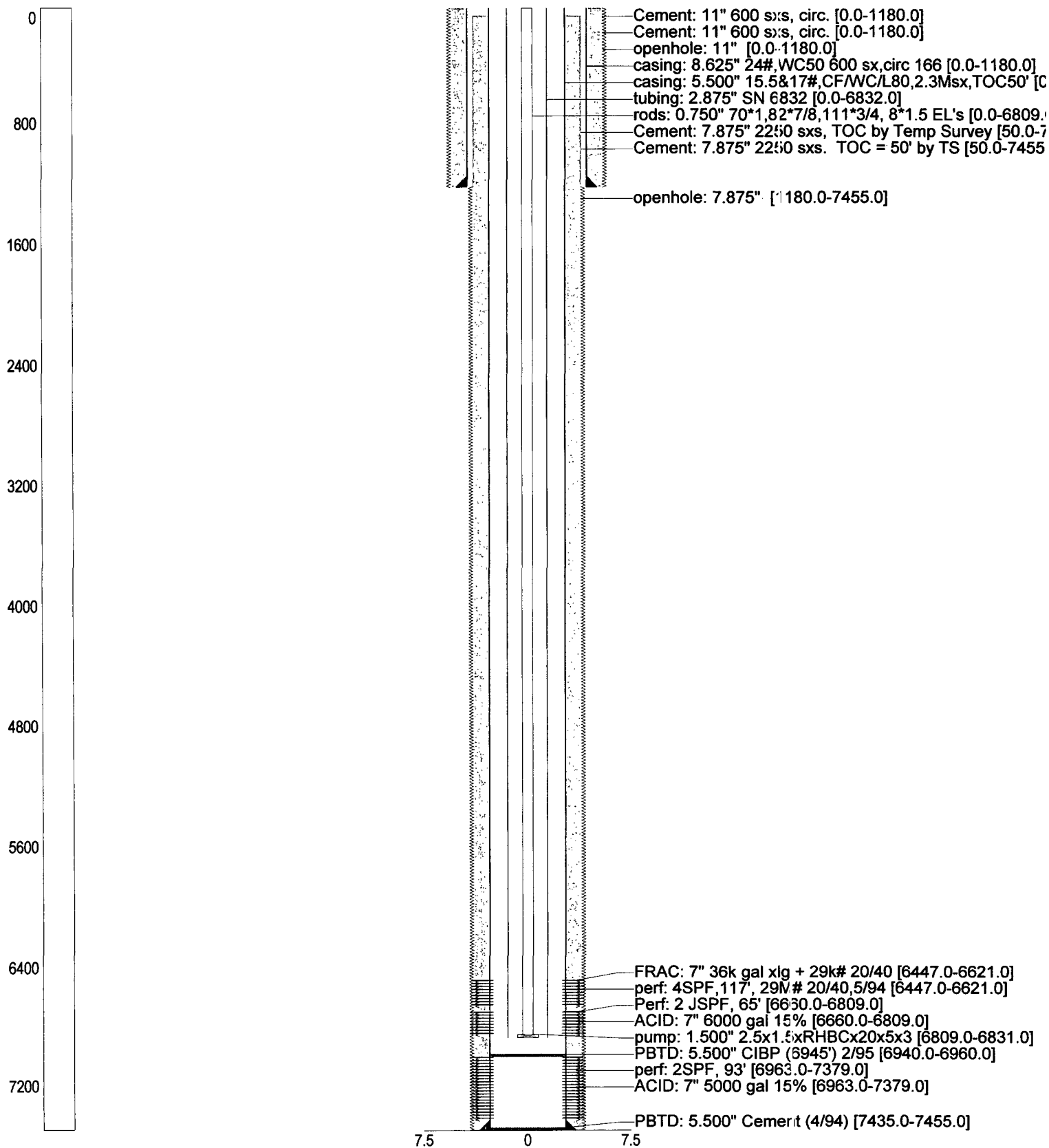
Name: WDDU144 ID: QU2005:0 Type: PR Date: 2/24/2003



West Dollarhide Drk # 145 API # 3002532373

Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM

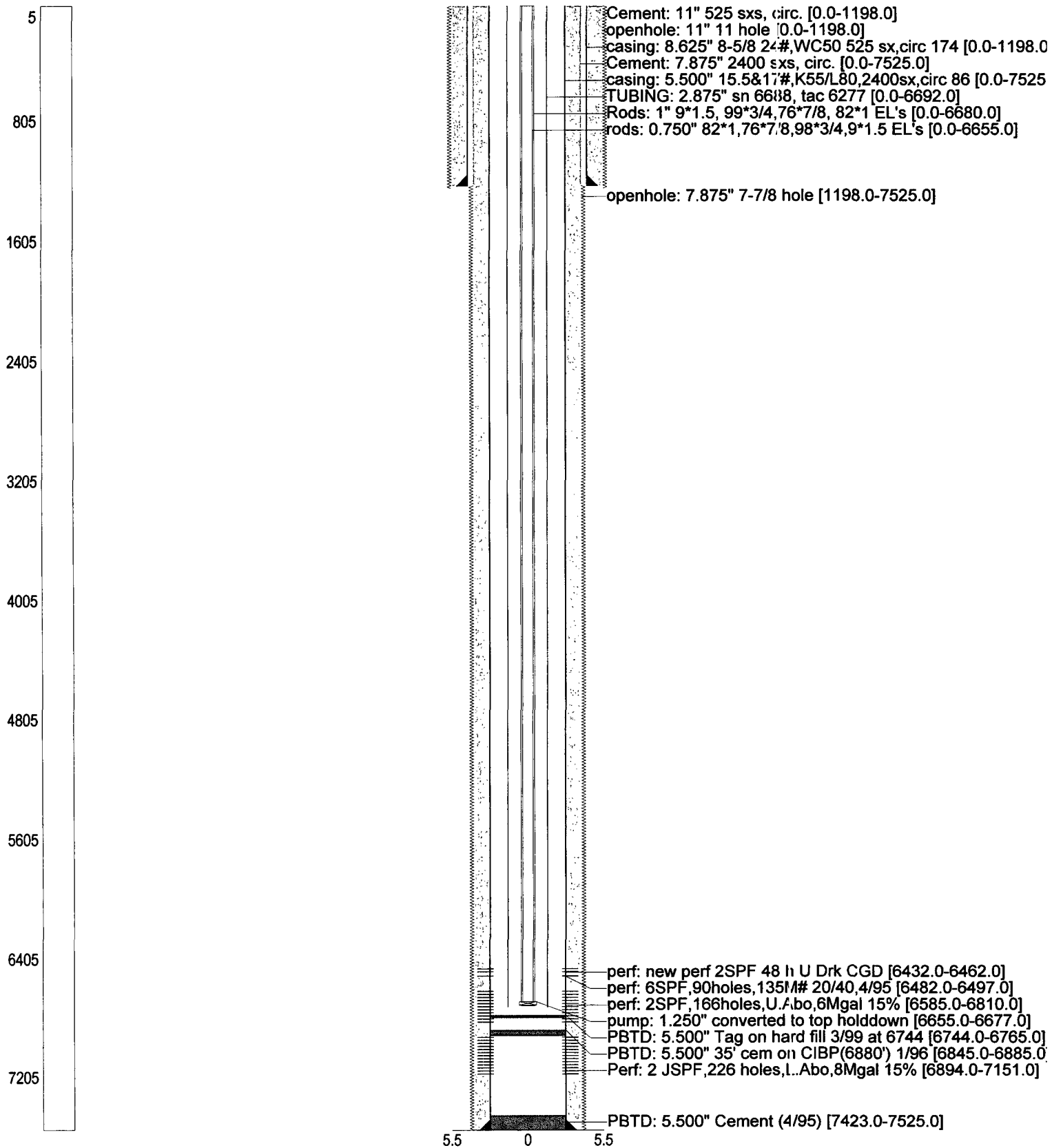
Name: WDDU145 ID: QU2091:0 Type: PR Date: 2/24/2003



West Dollarhide Drk # 147 API # 3002532843

Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM

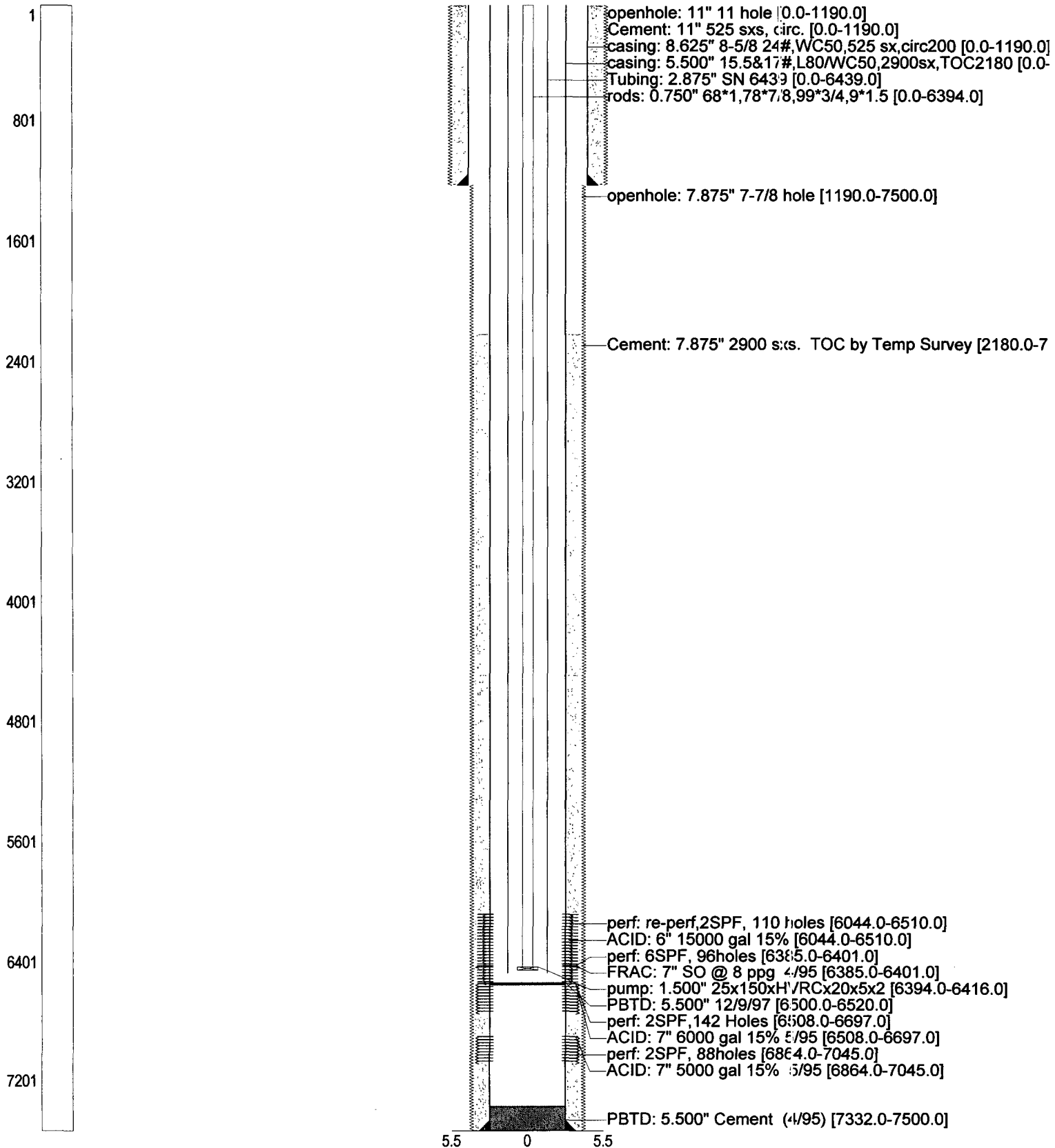
Name: WDDU147 ID: BC1123:0 Type: PR Date: 2/24/2003



West Dollarhide Drk # 149 API # 300253277001

Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM

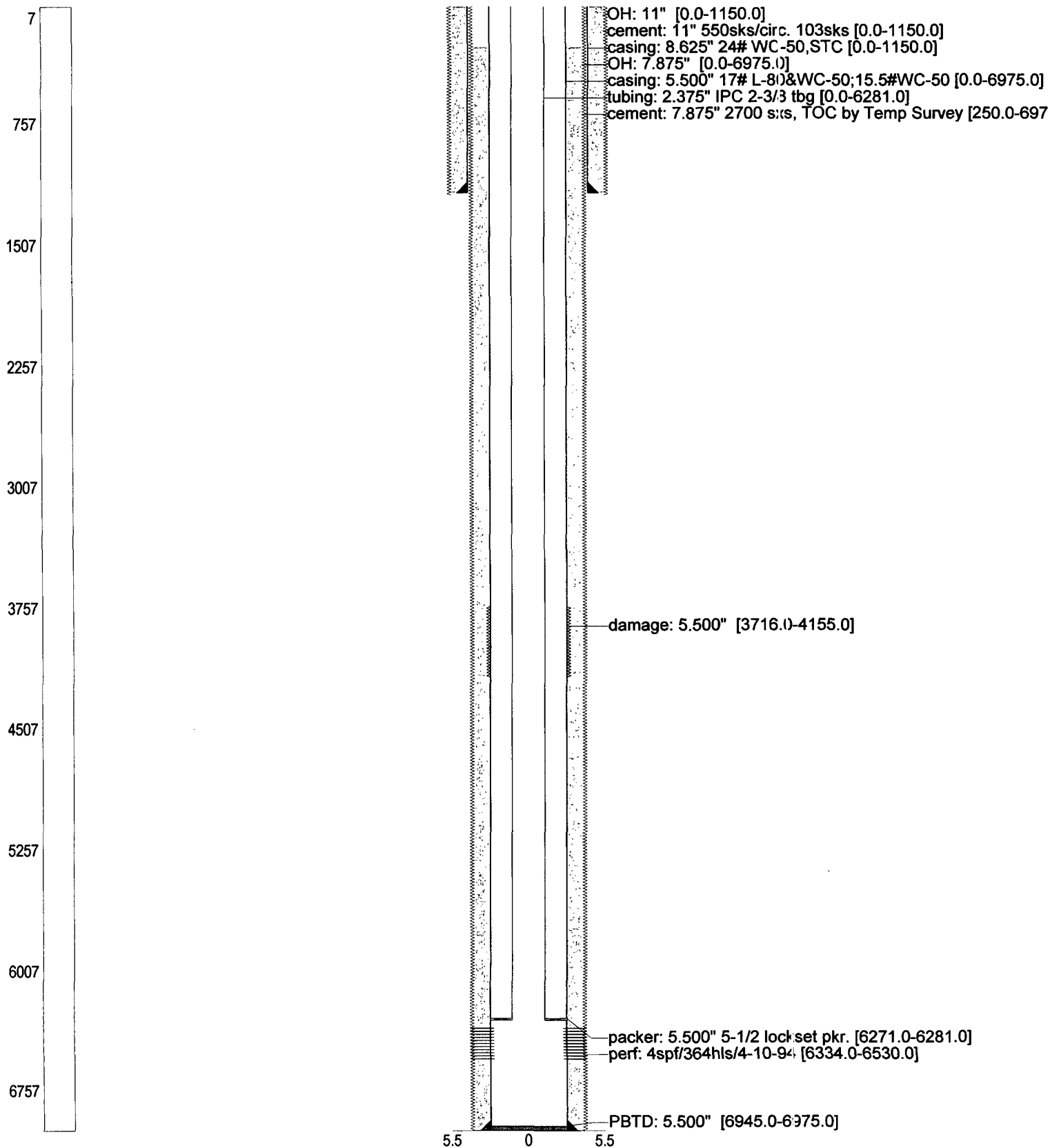
Name: WDDU 149 DH ID: BC1104:0 Type: UN Date: 2/24/2003



West Dollarhide Drk # 150 API # 3002532773

Shut-In Injection Well, Sec. 31, T24S, R38E, Lea County, NM

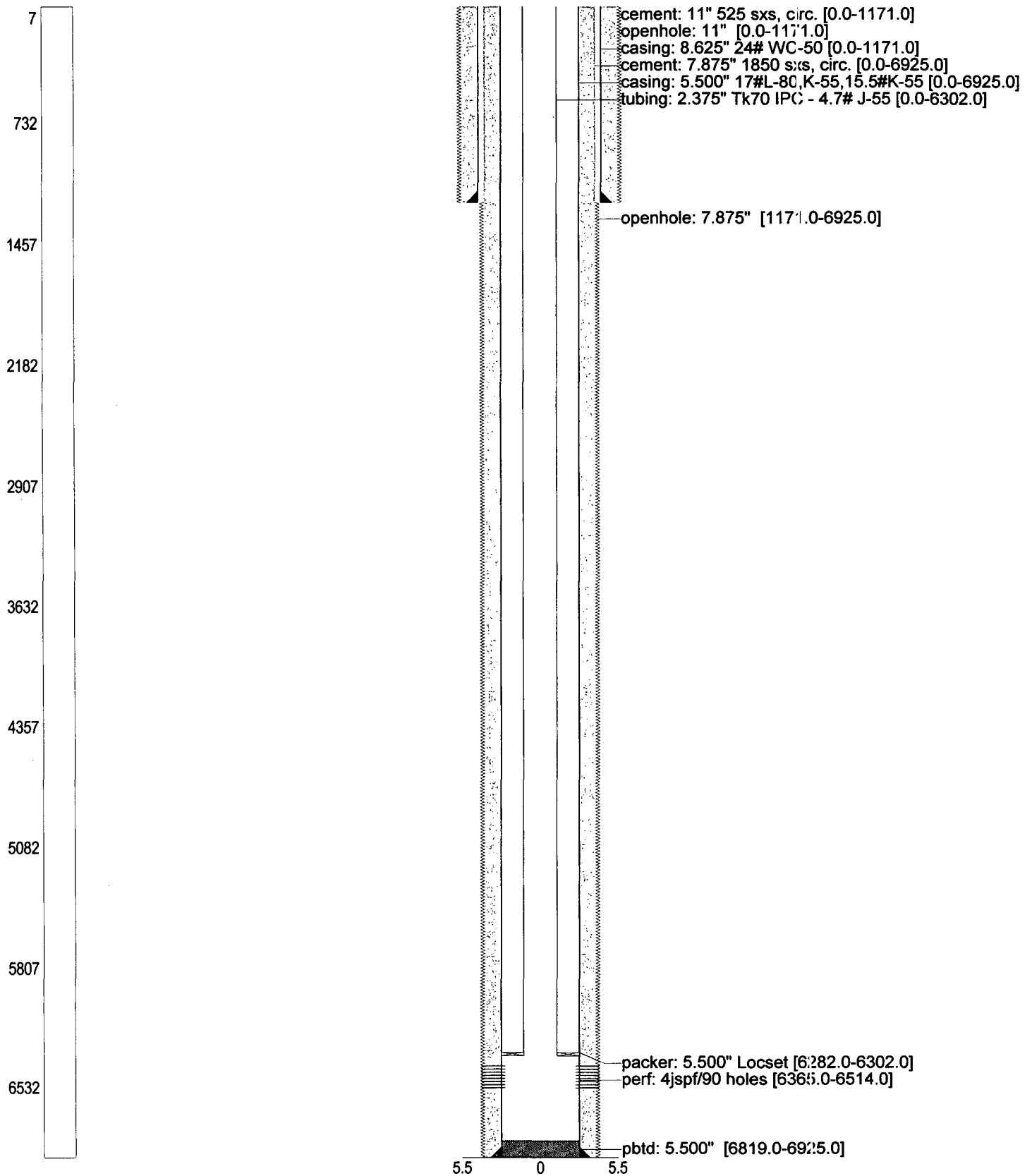
Name: WDDU 150 DH ID: BC1107.0 Type: UN Date: 2/24/2003



West Dollarhide Drk # 151 API # 3002532772

Active Injection Well, Sec. 5, T25S, R38E, Lea County, NM

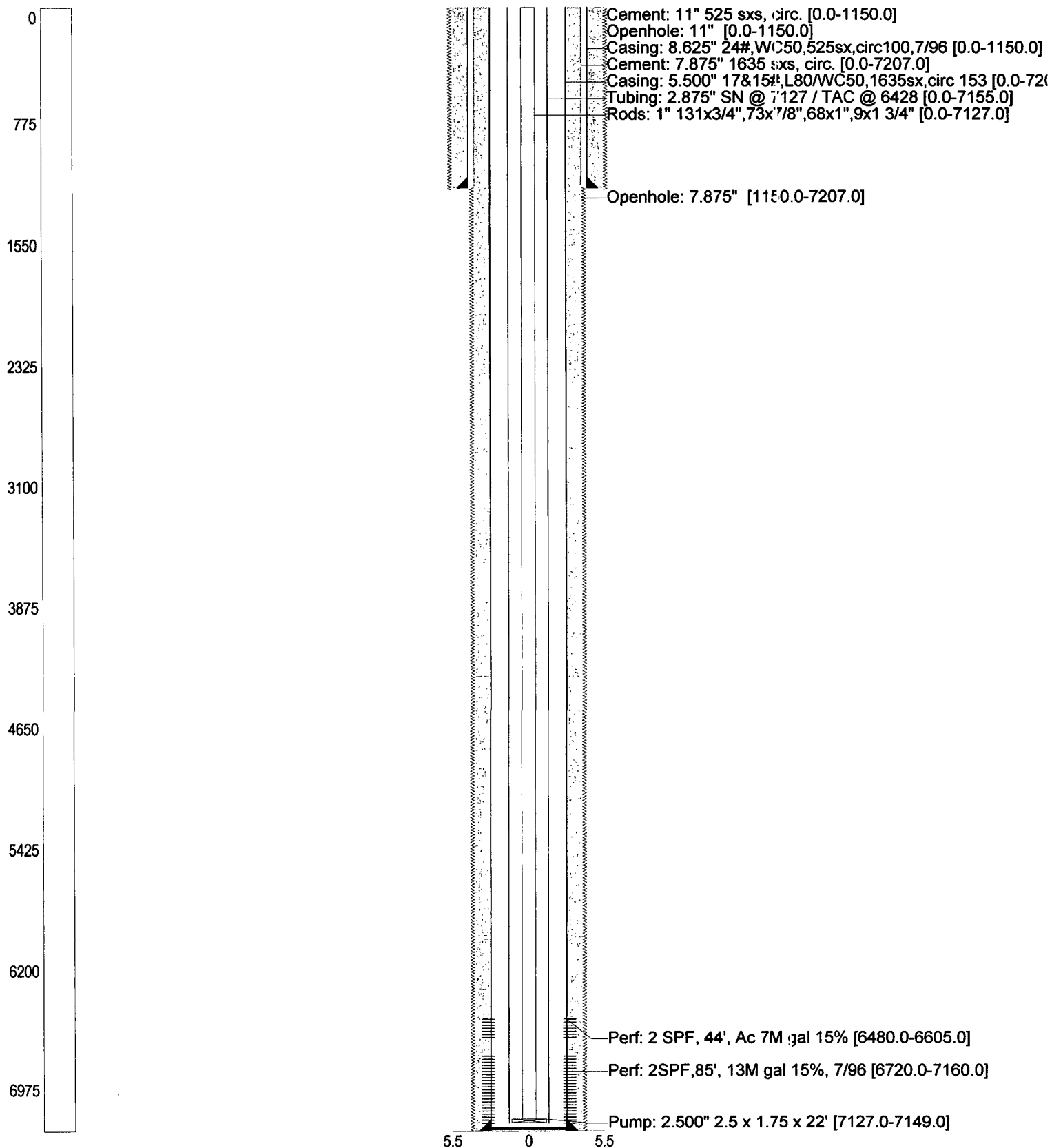
Name: WDDU 151 DH ID: BC1106:0 Type: UN Date: 2/24/2003



West Dollarhide Drk # 154 API # 3002533402

Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM

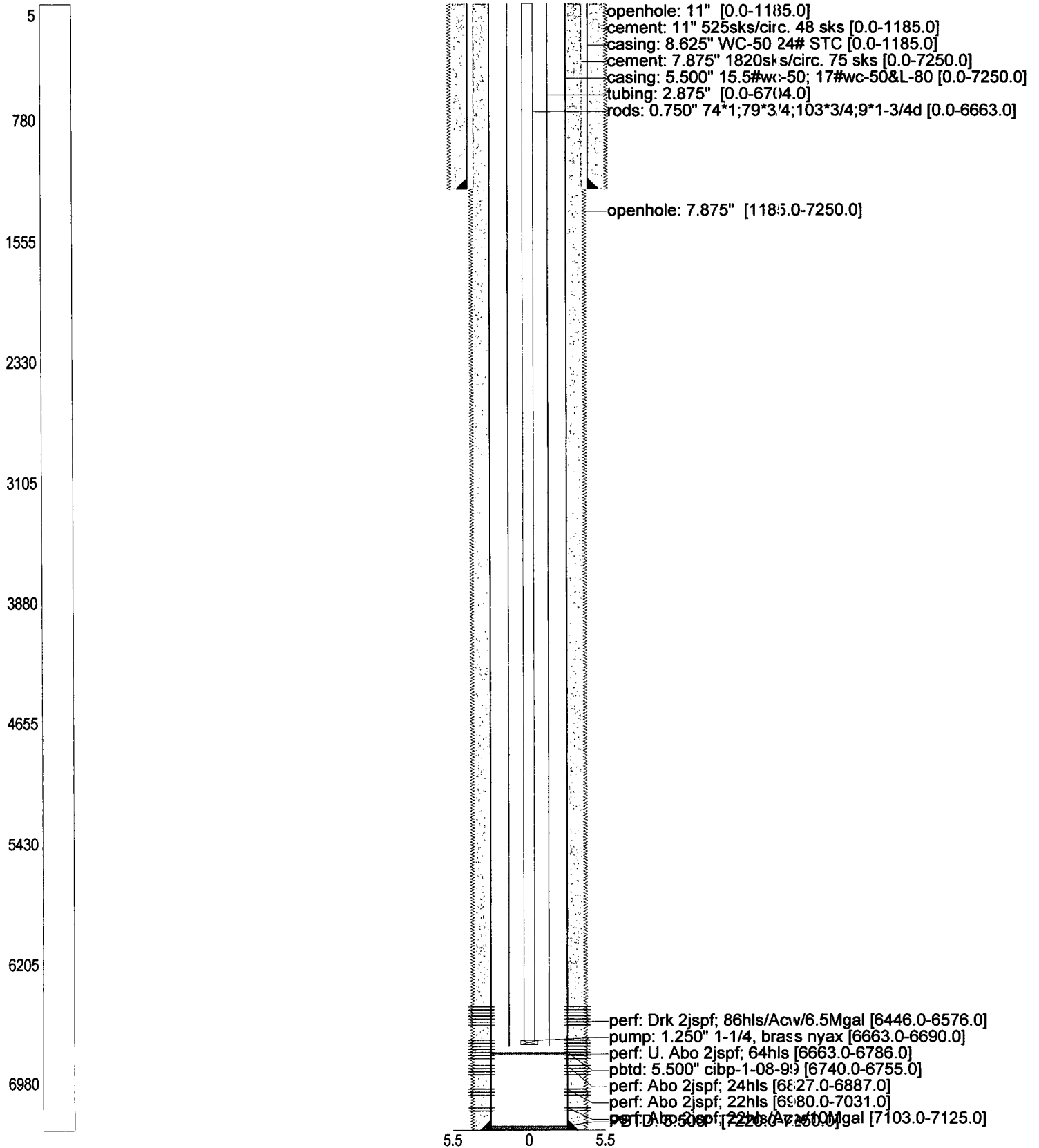
Name: WDDU154 ID: BJ7068:0 Type: PR Date: 2/24/2003



West Dollarhide Drk # 155 API # 3002533403

Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM

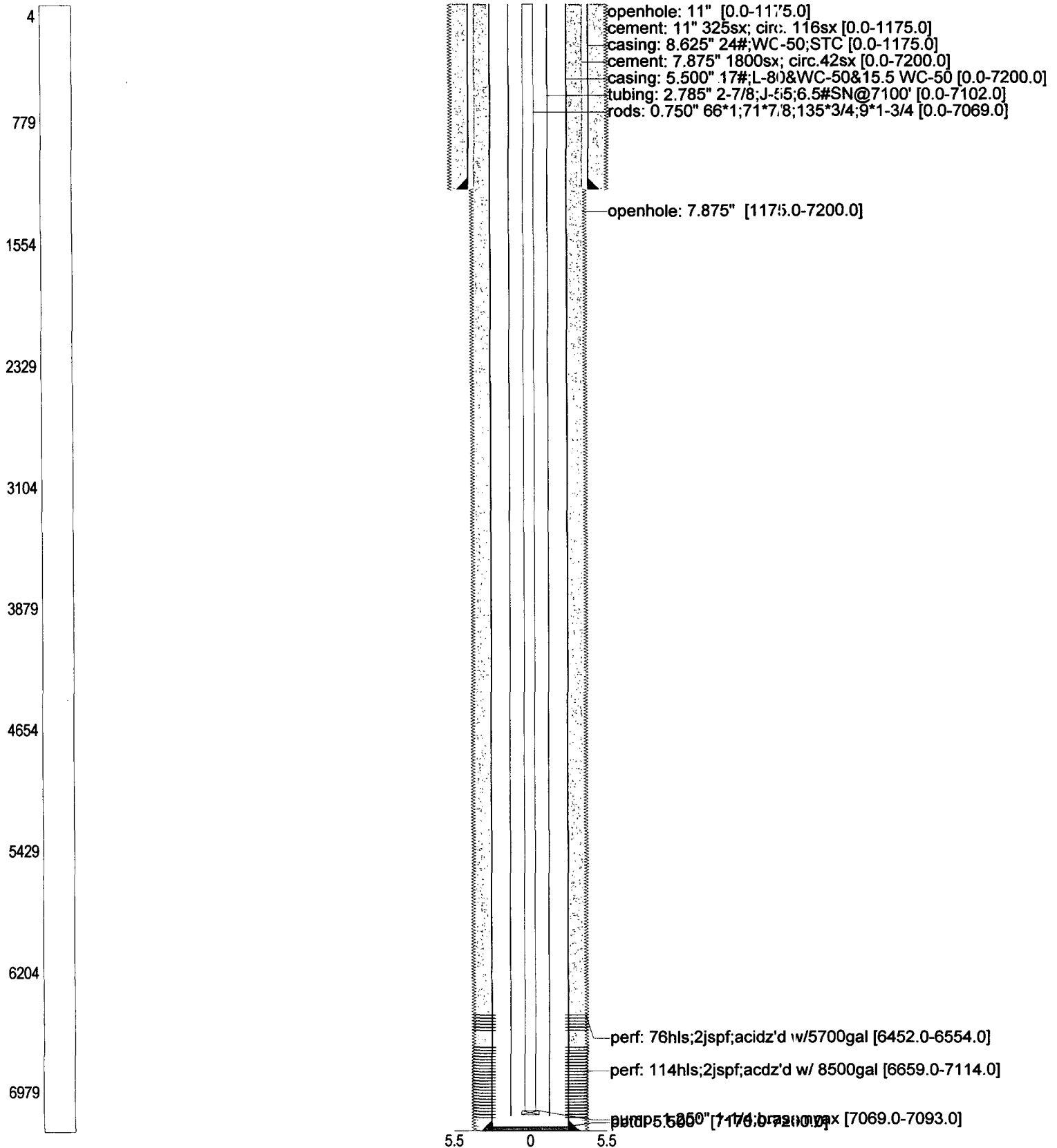
Name: WDDU155 ID: BJ4795:0 Type: PR Date: 2/24/2003



West Dollarhide Drk # 156 API # 3002533413

Active Oil Well, Sec. 32, T24S, R38E, Lea County, NM

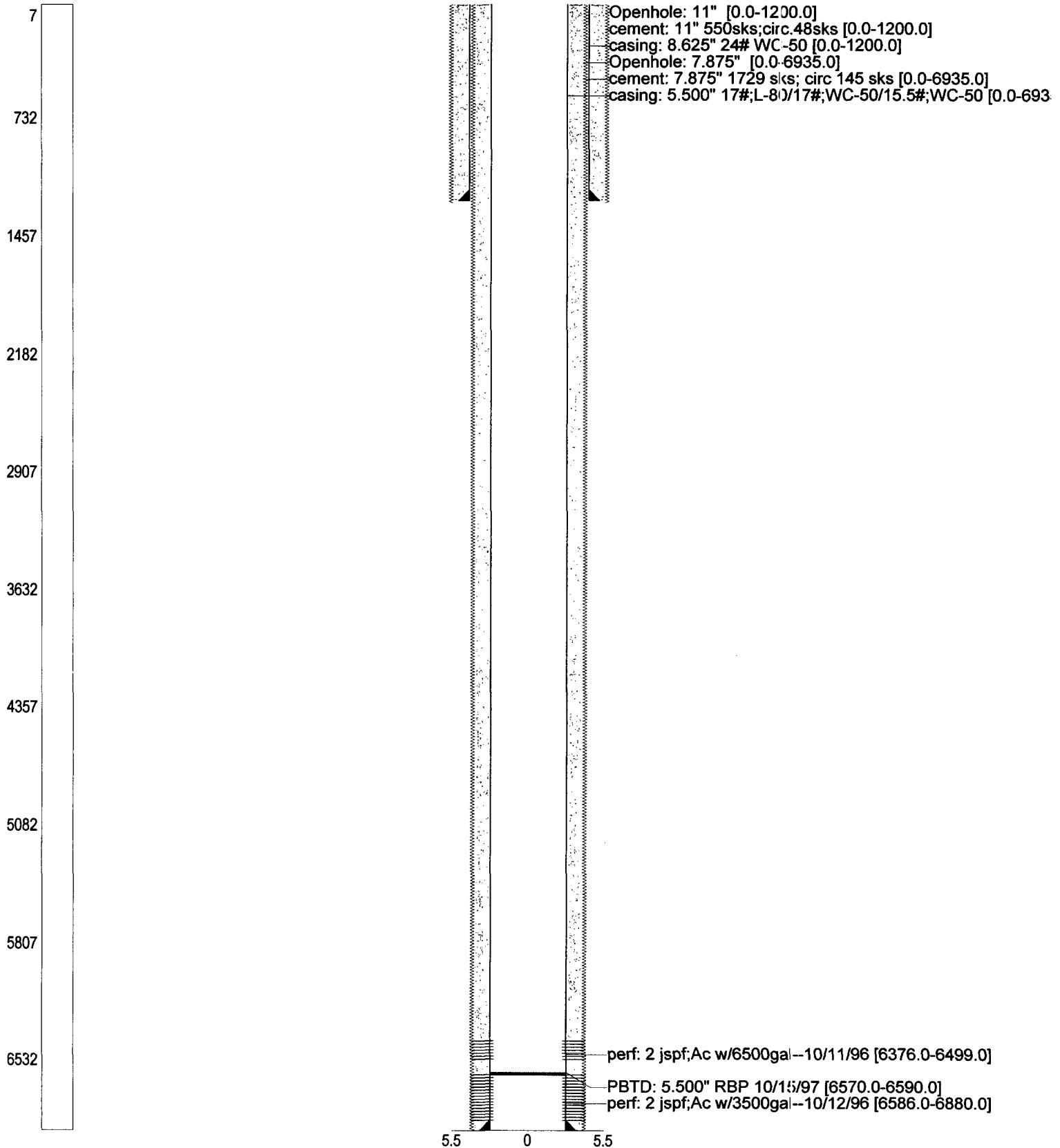
Name: WDDU156 ID: BK8920:0 Type: PR Date: 2/24/2003



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



Mexico J No. 2

Remarks:

MEASUREMENTS 12' ABOVE G.L.

13³/₈ CSG. set @ 300
Cemented w/ 300 SXS.
Top cement @ SURF. (CALC.)

8⁵/₈ CSG. set @ 3155
Cemented w/ 1700 SXS.
Top cement @ SURF. (CALC.)

2⁷/₈ 6.5# 8rd EVE TBG SET @ 4274'

8380
Perfs 2 SPF

8390

PBTD @ 8458

17# J-55
5¹/₂ CSG. set @ 10,300
Cemented w/ 843
Top cement @ 3341

TD @ 10,300

Formation Tops:

Queen @ 3580

Tubb @ 5968

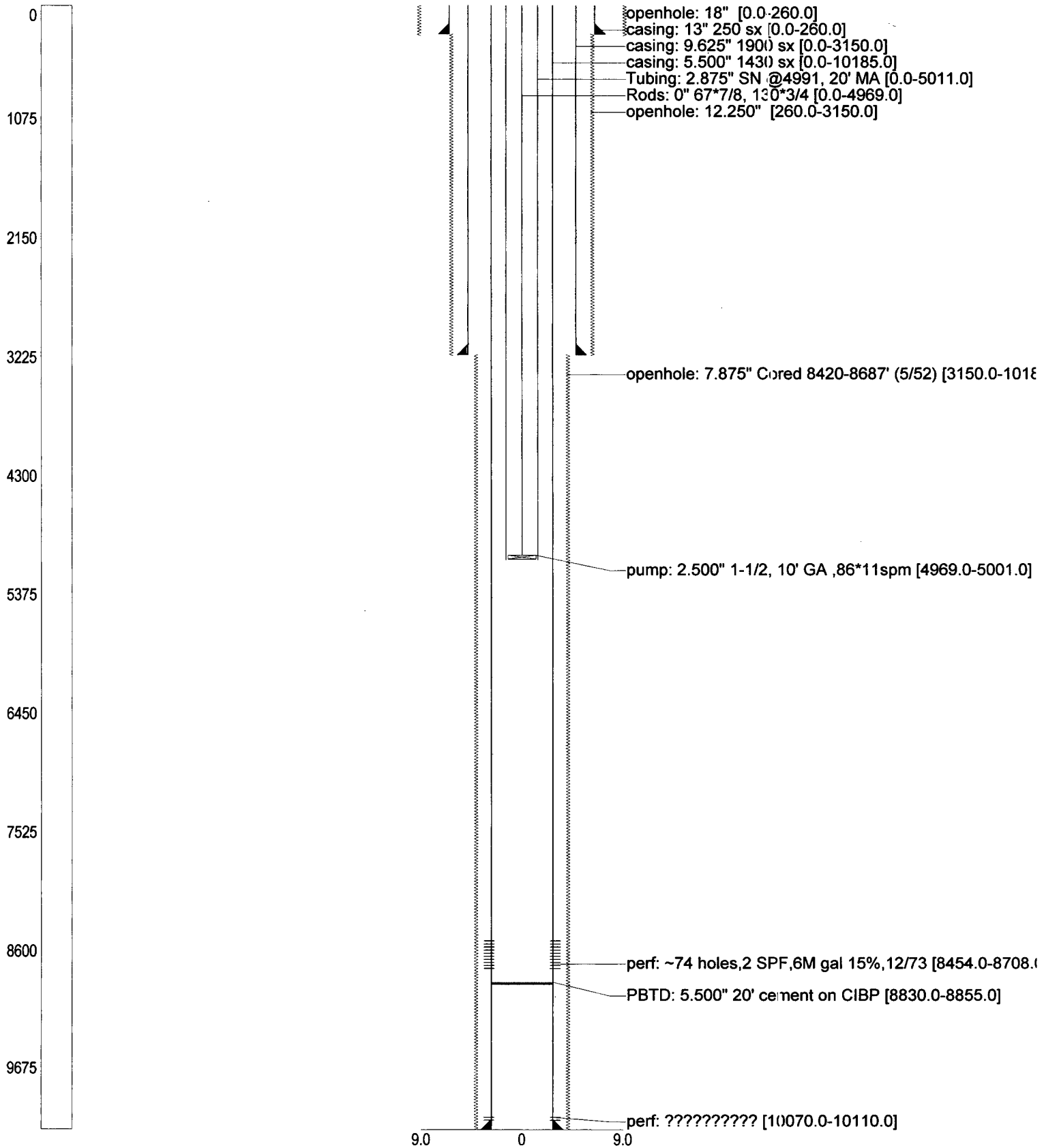
DRINKARD @ 6050

ABO @

Devonian @ 7476

Silurian @ 7664

Fusselman @ 8475



PRODUCING WELL DATA SHEET

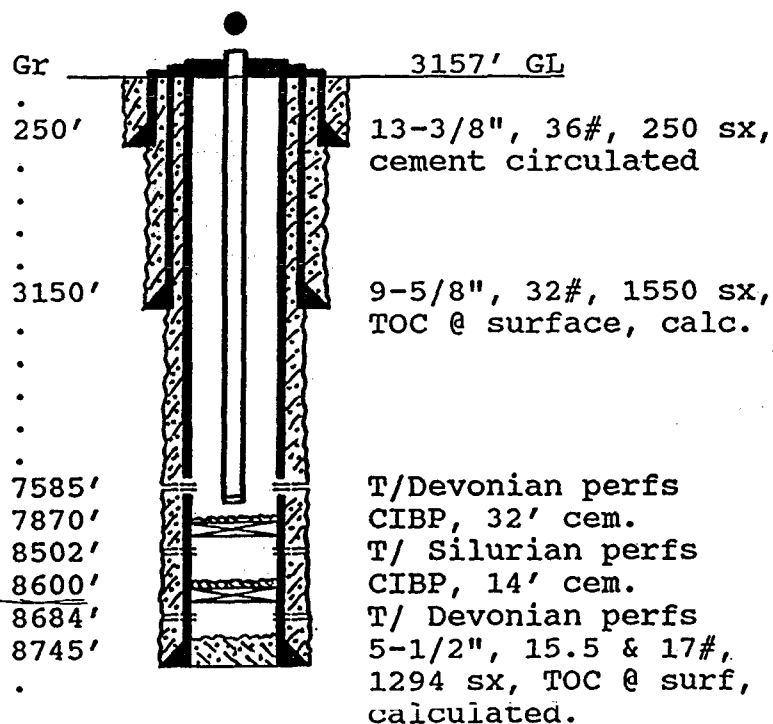
PO-90M
(3/92)

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



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

KOB=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

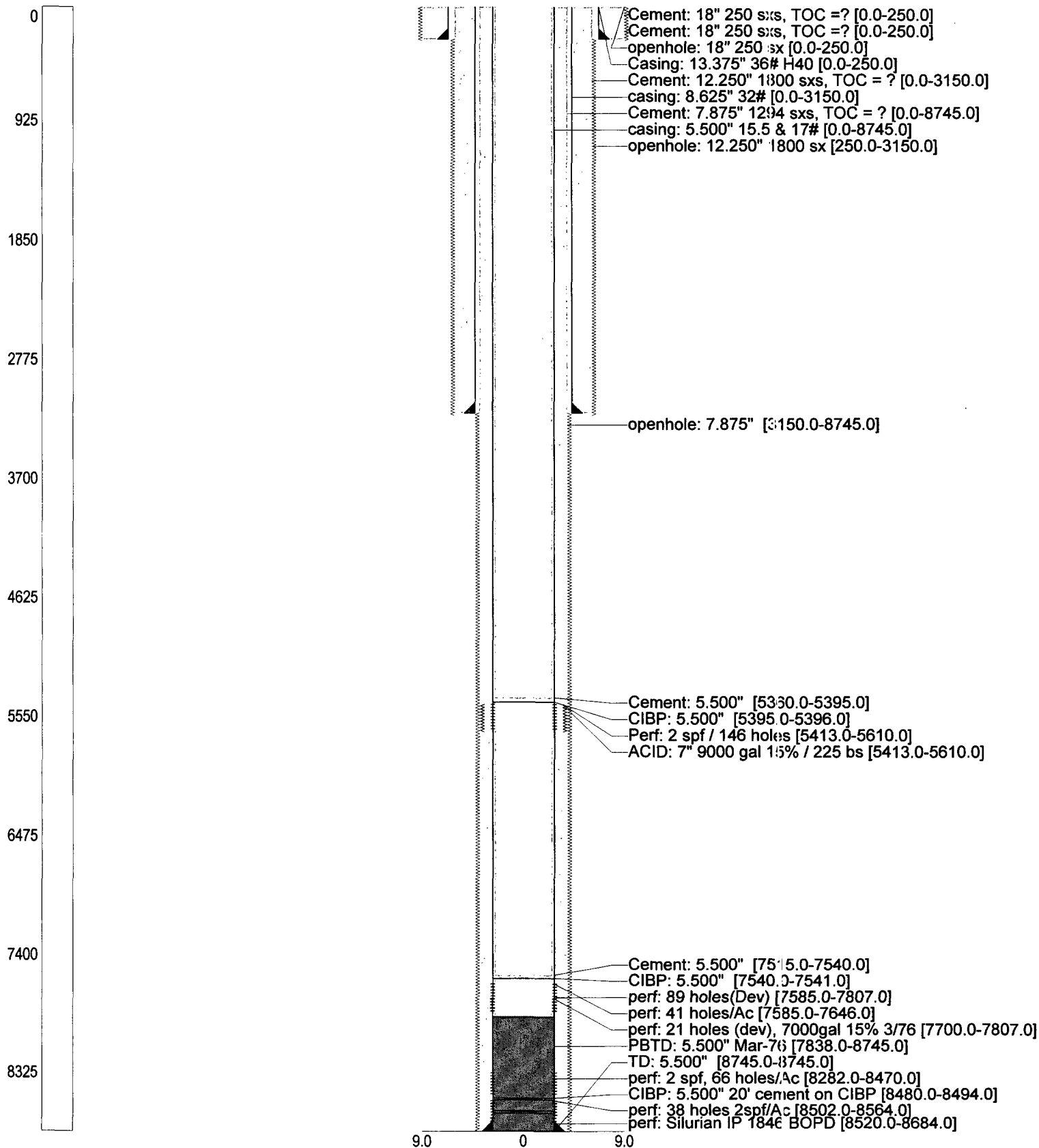
Hole Size 7-7/8, DV tool set at 8422'

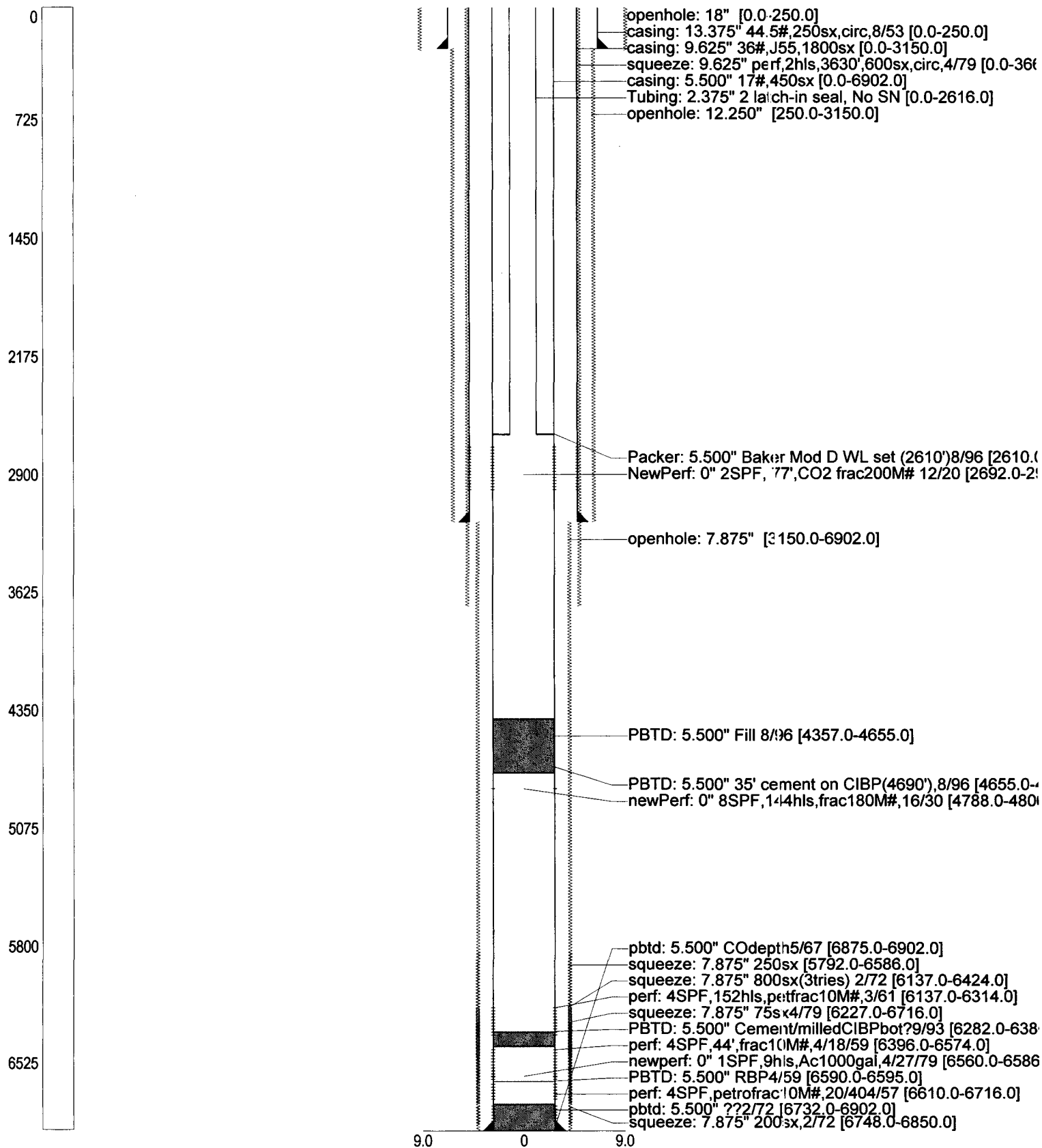
Producing Interval: West Dollarhide Devonian

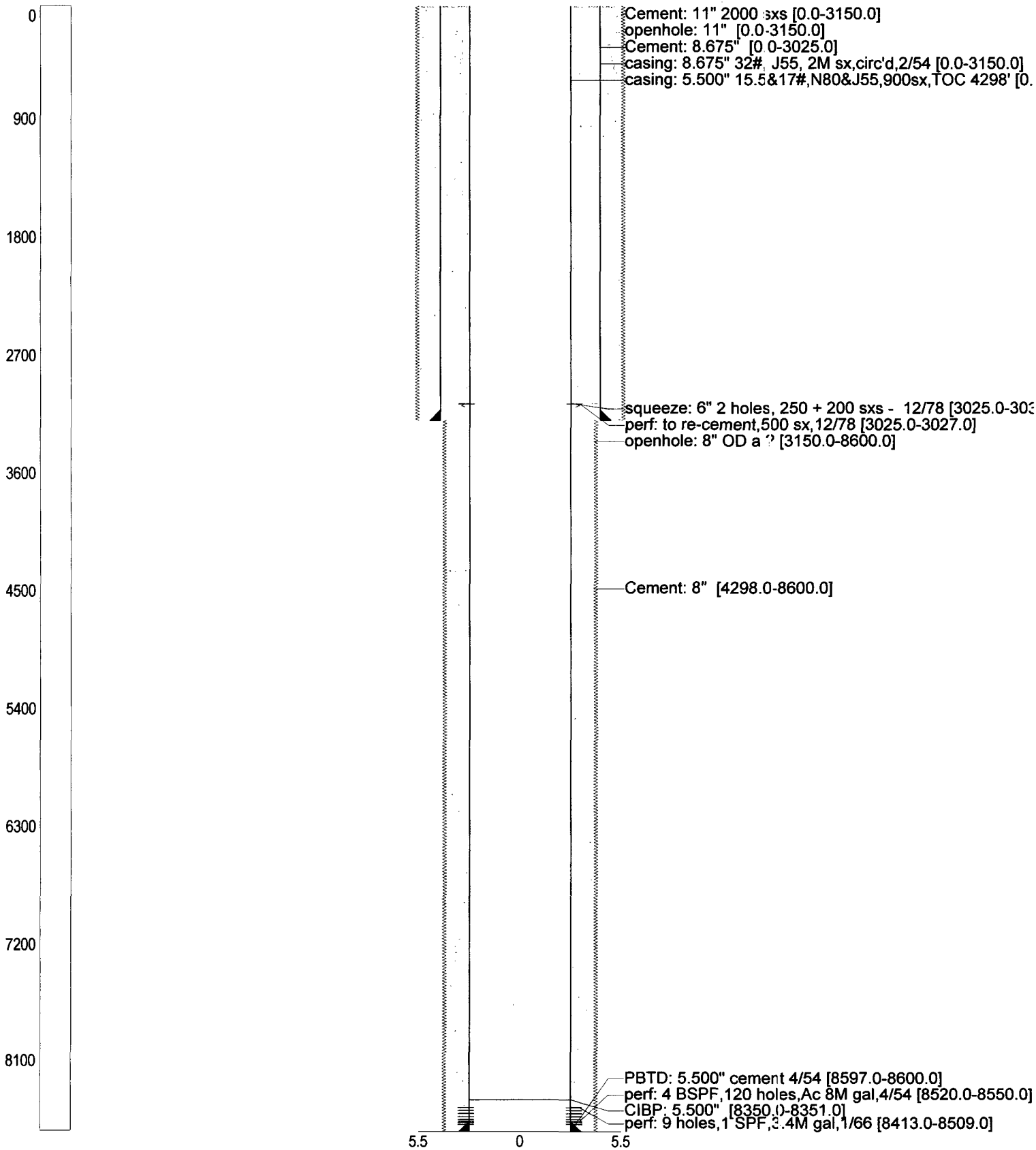
7585 ' to 7807 ' through: 89 perfs

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

PBTD @ 7838







Mexico "J" No. 23

perfs:

8508 - 8523 } 64 shots Oct. 1965 (Fussekman top @ 8481)
 8536 - 8542 } squeezed 8/72 (Devonian top @ 7486')

sourcer { 8588 - 8624 }
 { 8646 - 8664 } 176 SHOTS

perforated 8648 - 8659' → 22 shots

Swab 1&2 29BO, 399 BW 17½ hrs

Swab 3&4 45BO, 152 BW 16½ hrs

Squeeze 1&2

Treat 3&4 / Swab (4) 7BO, 240 BLW, 157 BFW 17 hrs

Communication between 3&4

Swab 3&4 4 hrs 2BO, 88 BW

Squeezed 3&4

reperforated ⑤ 8648 - 8659' w/ 22 shots .45"

Swabbed ⑤ 5 hrs NO oil, 38 BLW

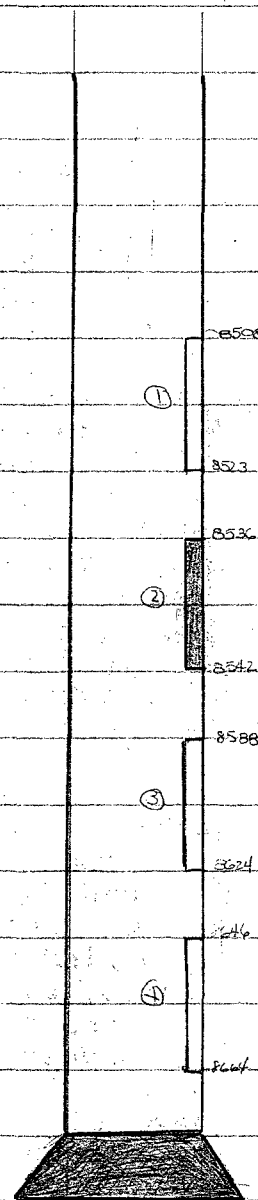
Treat & Swab 5 16½ hrs 210 BLW 28 BFW

Treat 5 & Swab 20½ hrs 16BO, 47 BLW, 39 BFW

Treat 5 & Swab 10 hrs 12BO 42 BW

6-20-80 Reperf 8508-8522

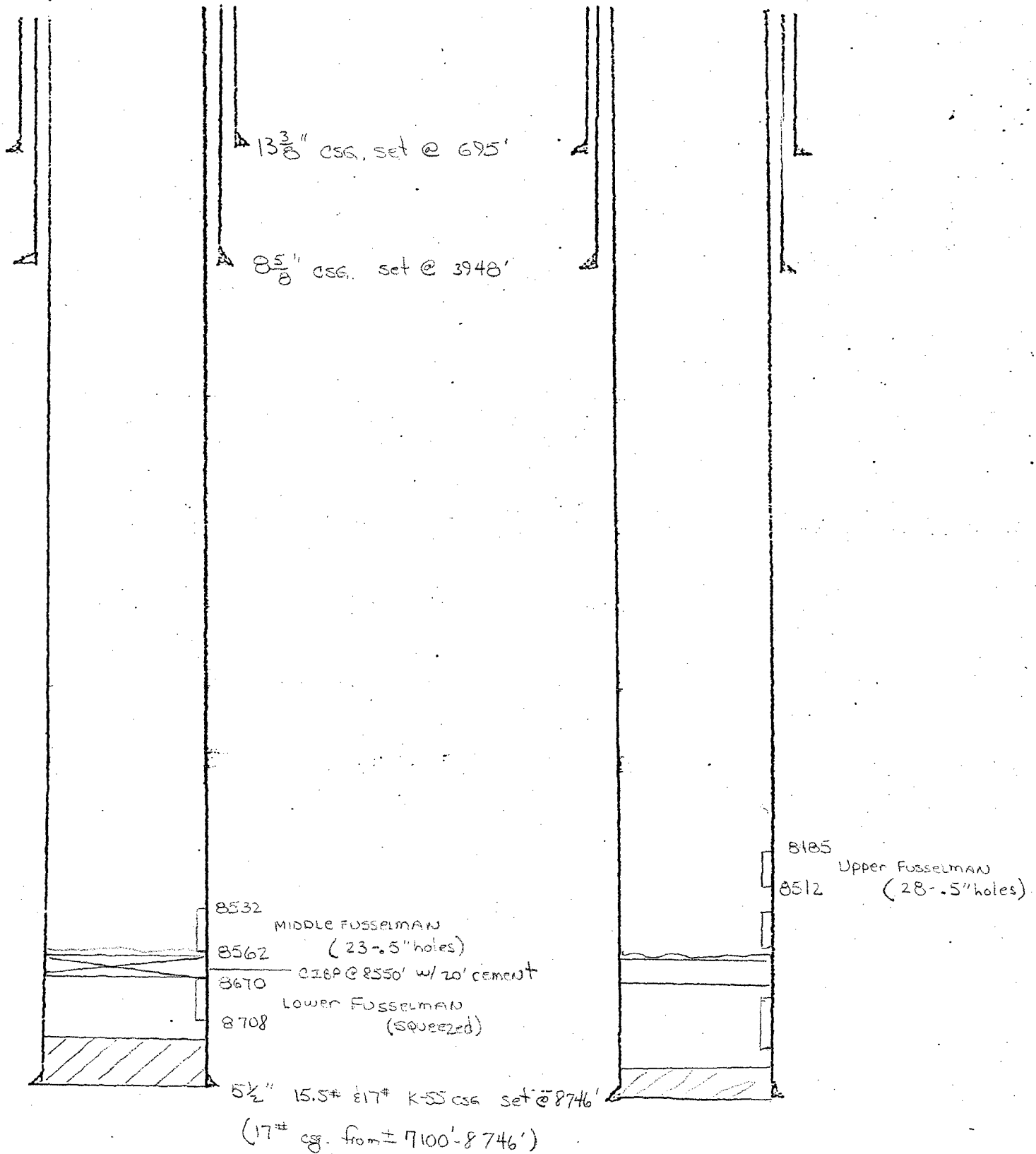
Fluid Level - 5229' Above pump @ 8574'



Mexico J. No. 26
(Measurements 12' Above G.L.)

PRESENT

PROPOSED



CURRENT WELL DATA SHEET

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

Surface Csq.

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

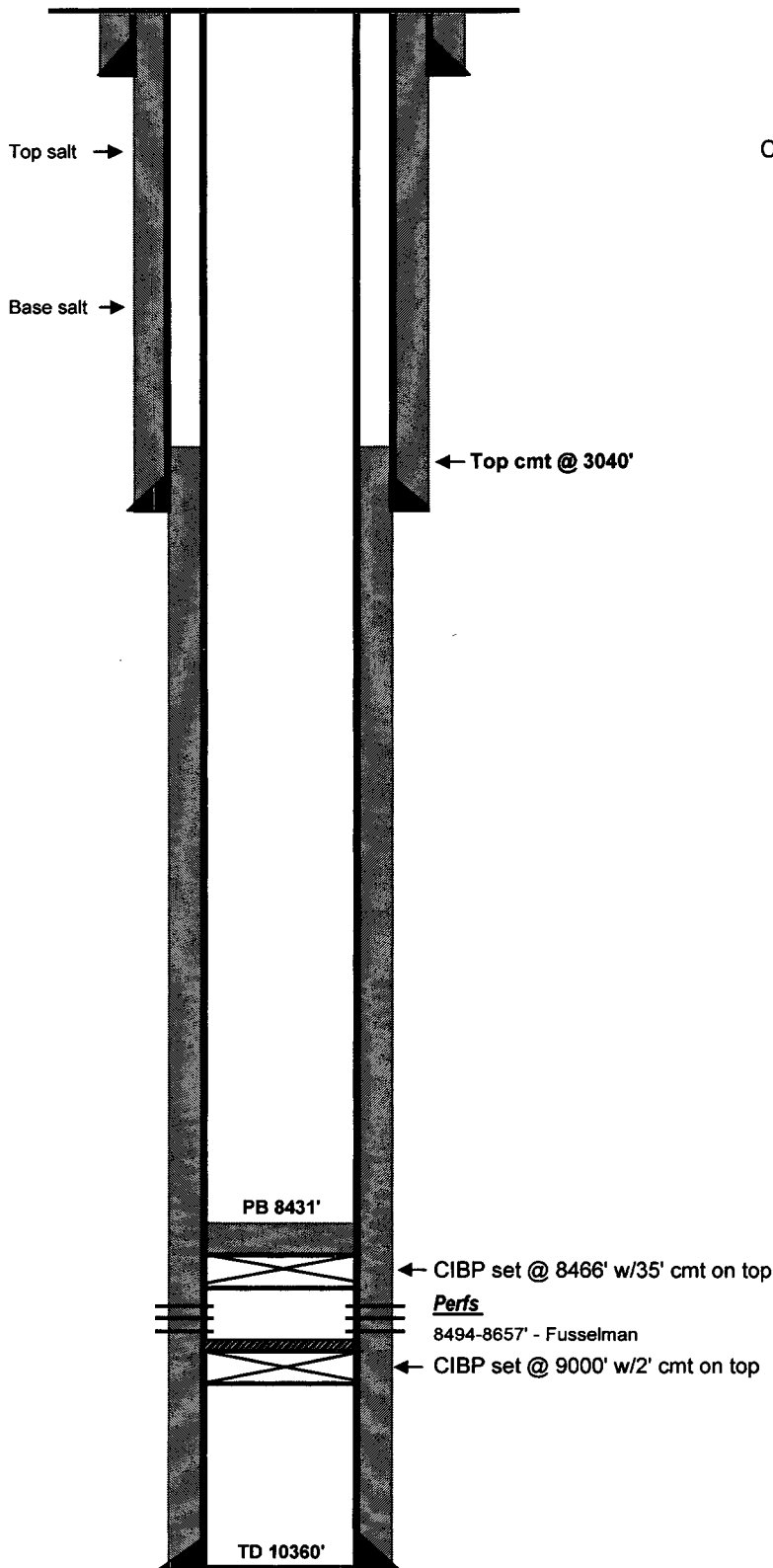
Intermediate Csq.

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

Production Csq.

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

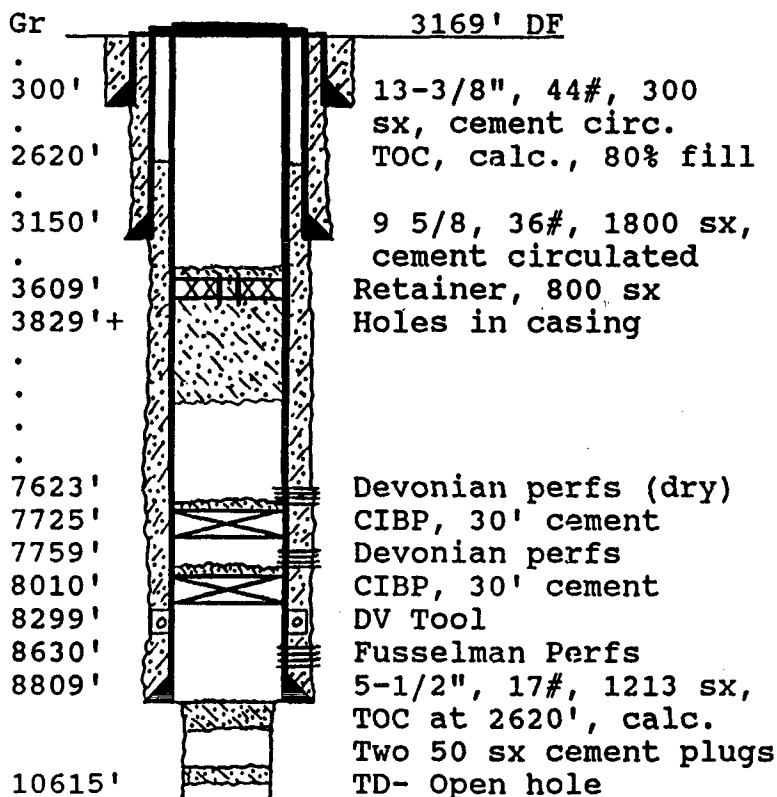
PRODUCING WELL DATA SHEET

OPERATOR: Texaco Exploration & Production Inc WELL: Mexico L #2

FOOTAGE LOCATION: 1980 FNL, 660 FEL Sec./Twn/Rng: Unit H, Sec 5, T-25-S, R-38-E

Devonian tested dry on completion, bad casing in Queen. Lea County, New Mexico

SCHEMATIC



Estimated tops:

Salt 1182'-2528'
 Queen 3640'
 Drinkard 6395'
 Devonian 7625'
 Fusselman 8624'
 Ellenberger 10578'

TABULAR DATA

Surface Casing: Set at: 300'

Size 13-3/8, 44# Cemented with 300 sx.

TOC surface ' determined by circulated

Hole Size 18" Comp. Date 3-21-52

Intermediate casing: Set at: 3150'

Size 9-5/8", 36# Cemented with 1800 sx.

TOC surface ' determined by circulated

Hole Size 12-1/4"

Production Casing: Set at: 8809'

Size 5 1/2, 17# Cemented with 800 sx.

TOC 2620 ' determined by calculated

Hole Size 7 7/8, DV tool set at 8299'

Completion Intervals:

7623 ' to 7658 ' Devonian, dry, Perf

7759 ' to 7816 ' Devonian, dry, Perf

8630 ' to 8660 ' Fusselman, dry, Perf

10,586 ' to 10,615 ' Fusselman, dry, OH

Mexico L No. 3

MEASUREMENTS 13' ABOVE G.L.

Remarks: (1) 8/76 CSG collapsed
cut TBG @ 6208 leaving 10'
TBG & anchor catcher, ~~below collapsed~~
~~8/76~~ 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
E Henbarger

10,070

Formation TOPS:

P.B.T.D @ 10,100

5 1/2 CSG set @ 10,215
Cemented w/ 1470
TOP cement @ SURF. (CALC.)

TD @ 10,215

Queen @ 3514

Tubb @ 5950

DRINKARD @ 6270

ABO @

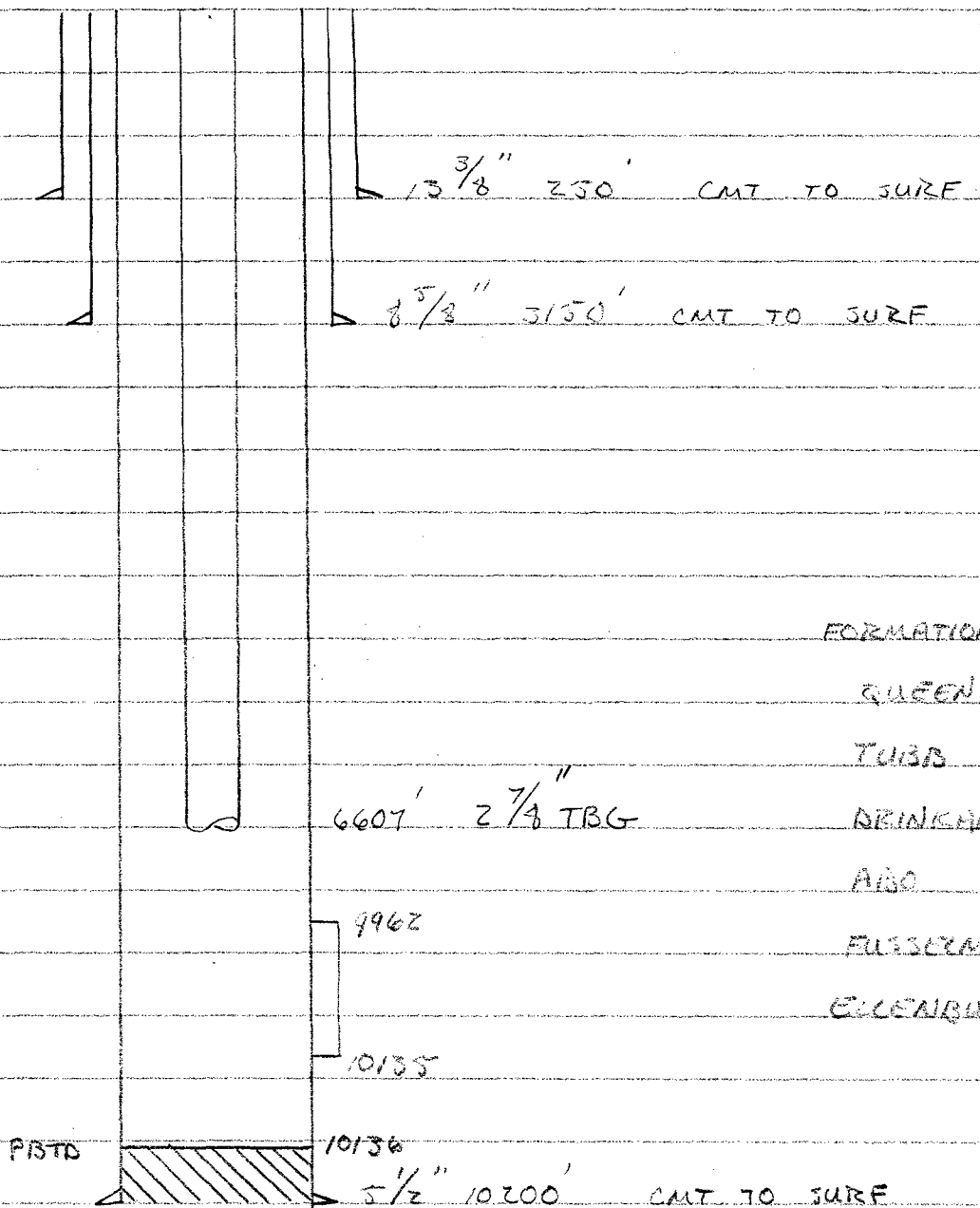
Devonian @ 7422

Silurian @ 7613

Fusulinian @ 8384

Ellenburger @ 9957

MEXICO L #4



FORMATION TOPS

QUEEN 3549

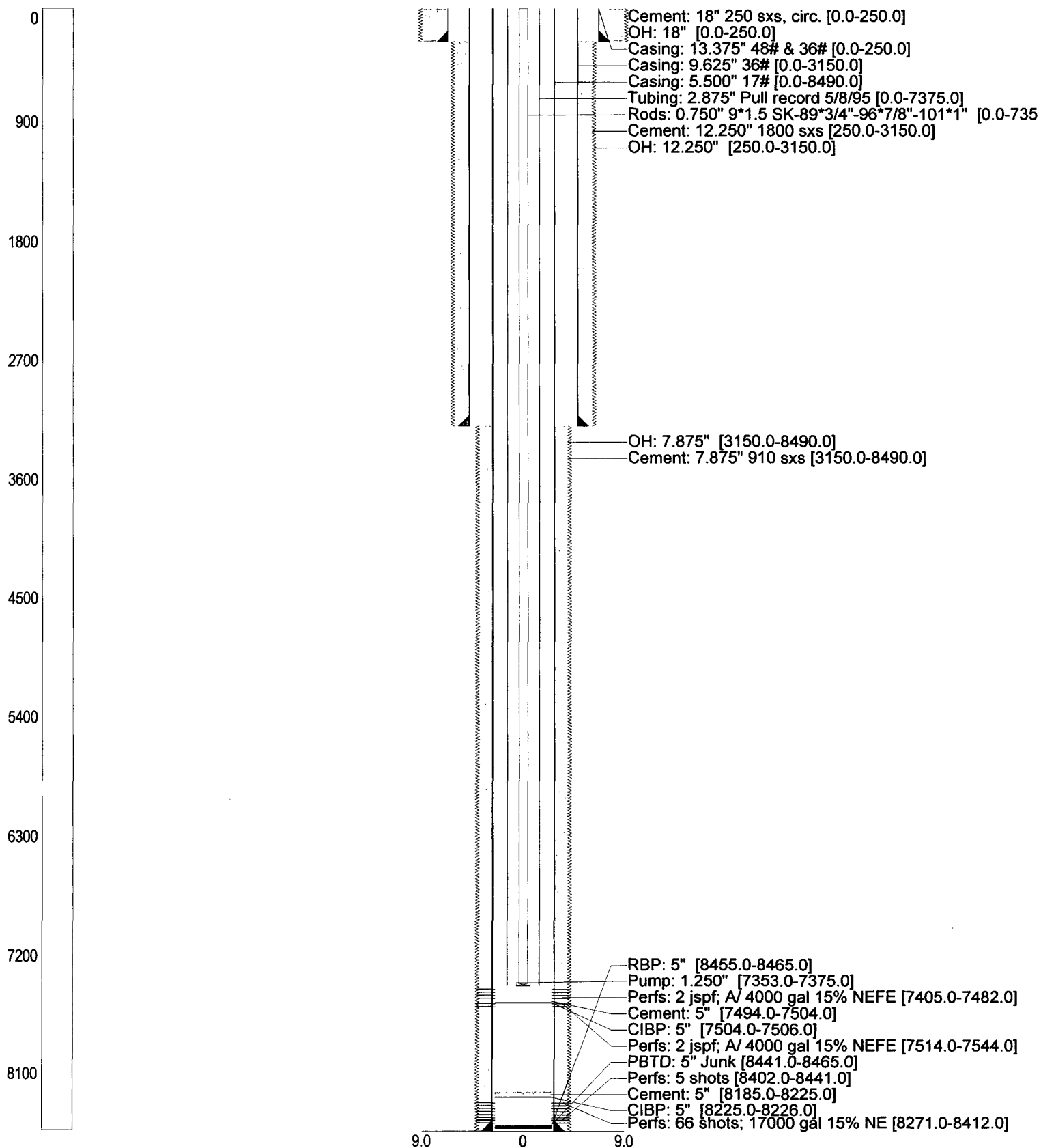
TUBB

BRINKARD

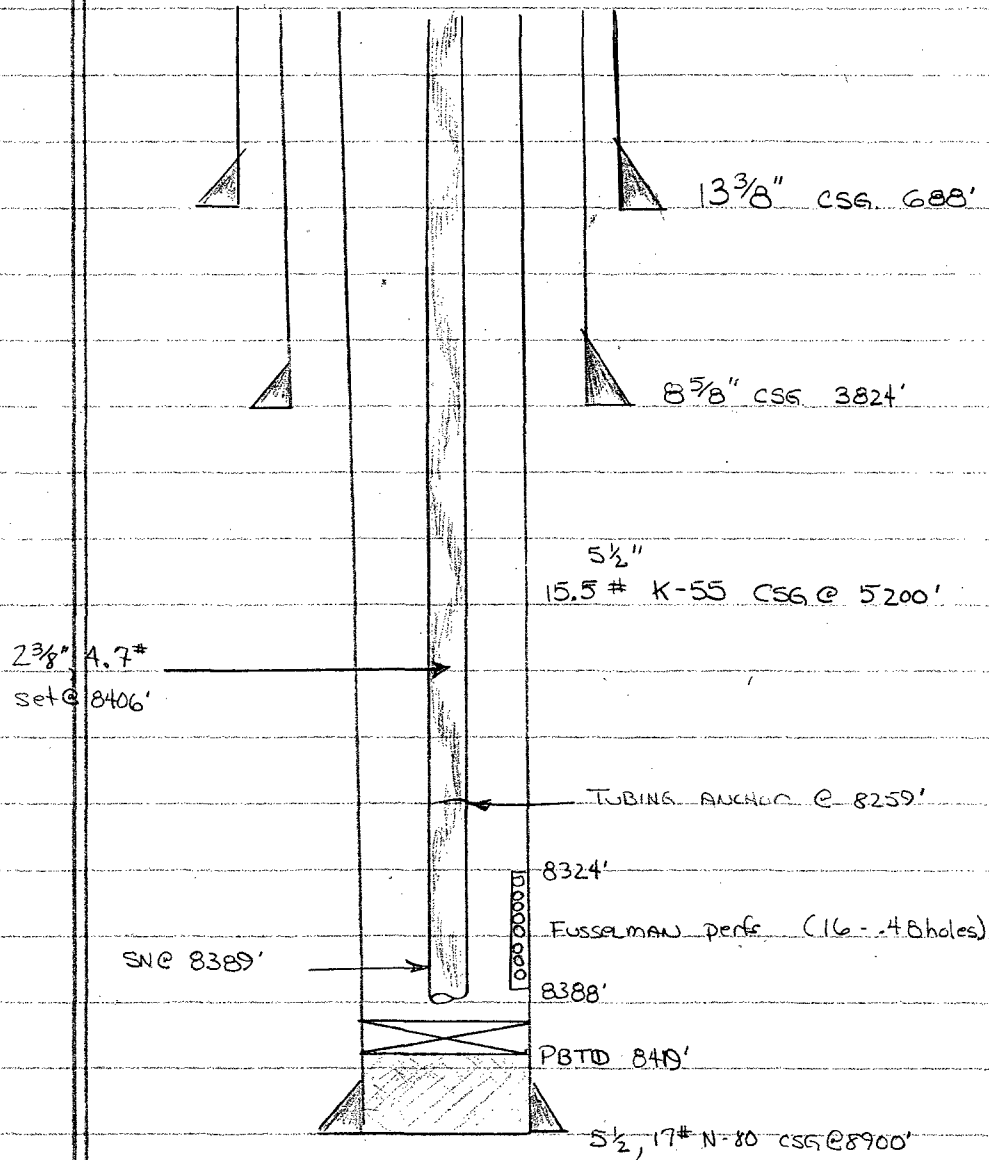
ABO

FUSSEYMAN 6299

ELLENBURGER 7880



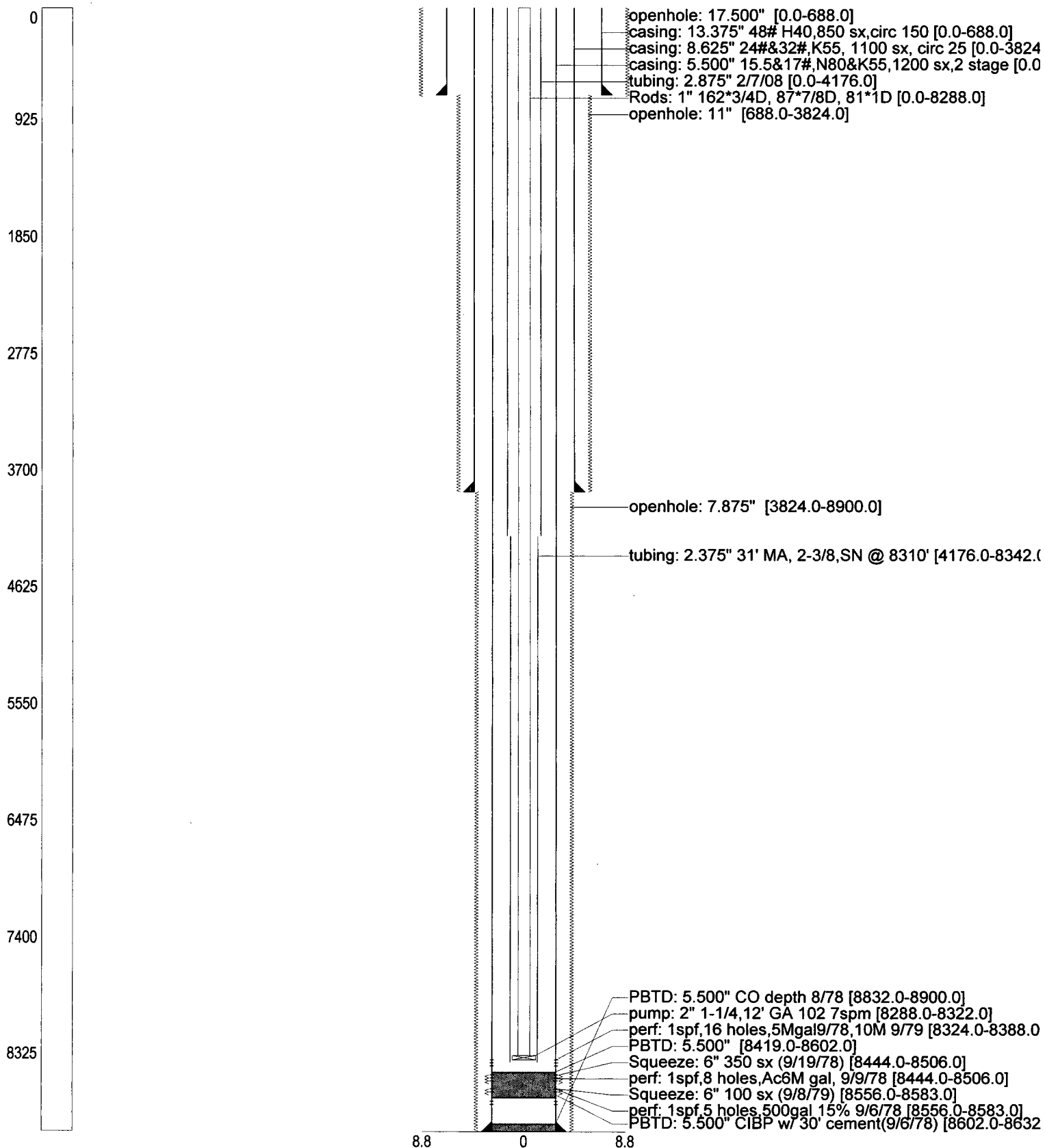
Mexco L#26 Well DIAGRAM



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: **Mexico "L" #27**

Field: **Dollarhide**

Reservoir: **Fusselman**

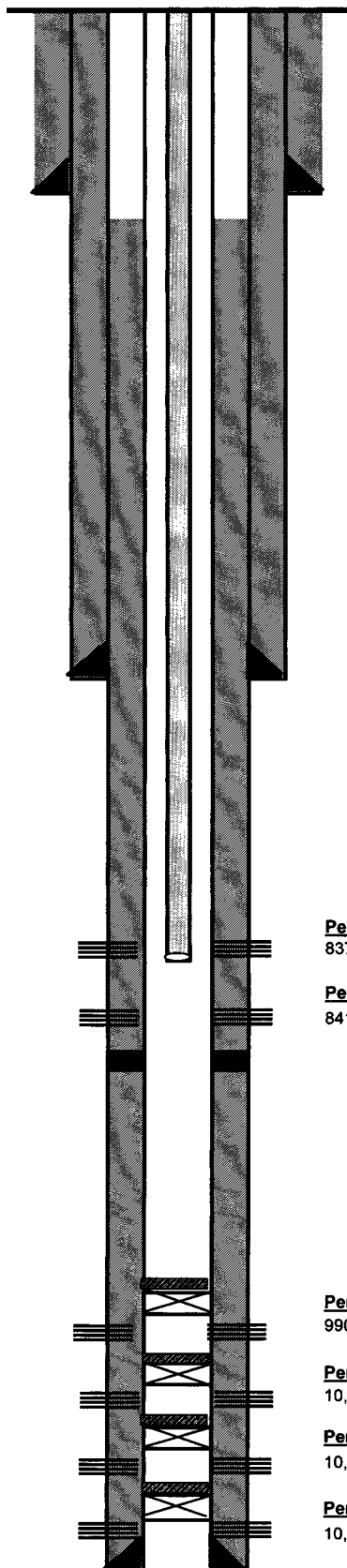
Location:

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

Elevations:

GL: 3128'
KB:
DF:

**Current
Wellbore Diagram**



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

8378-8398'

Status

Upper Fusselman - open

Perfs

8413-8427'

Status

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

9900-9971'

Status

Ellenburger - below CIBP

Perfs

10,010-10,026'

Status

Ellenburger - below CIBP

Perfs

10,162-10,168'

Status

Ellenburger - below CIBP

Perfs

10,244-10,263'

Status

Ellenburger - below CIBP

Prepared by: K M Jackson

TD 10,410'

Date: 3/28/03

WDDU # 114H
API# 30-025-31499
108' FSL & 2325' FWL
Sec 5, T25S, R38E
Lea County, NM

TD: 7440' PBD: 6316'
Production csg: 5 1/2" 15.5# & 17#, set @ 7440', TOC – surface
Upper West lateral: window 6216'-26', TD - 7412' MD
Lower East lateral: window 6250'-56', TD – 7254' MD
TOF: 6265' (2 7/8" X 27' MAJT & 2 1/2" X 22' tbg pump barrel)

PROCEDURE TO CONVERT TO INJECTION: Isolating upper lateral & inject into lower lateral.

1. Complete MOC and file with Larry Williams.
2. Move injection head and injection tubing from WDDU #152i to WDDU #114H.
3. Install injection flowline to WDDU #114H.
4. Notify NMOCD 24 hours prior to moving on.
5. MIRU PU, nipple down sub pump head, nipple up 7 1/16" 3000# manual BOP dressed with 2 7/8" cable rams.
6. TOH lay down ESP. Change out cable rams in BOP.
7. P/U 4 3/4" bit, TIH tag TOF @ 6265', Circulate clean, POH w/ bit.
8. P/U 5 1/2" RBP, TIH set RBP @ +/-6175', load & test csg to 1000#, release RBP, POH laying down 2 7/8" tubing.
9. RDMO pulling unit.
10. MIRU Schlumberger 2 3/8" coil tubing unit, P/U Schlumberger Multilateral tool, GIH to 6250', locate & enter east lateral, clean out to TD @ 7254' verifying CT is in East lateral.
11. Drop ball & open circulating port, acidize East lateral with 20,000 gals 20 % NEFE HCL and 40,000 gals WF 110 as per Schlumberger recommendation attached. RD coil tubing unit.
12. Flow back well as necessary.
13. MIRU pulling unit.
14. RU Baker Atlas, GIH w/ Weatherford Arrowset 1X wireline set packer w/ 1.781" 'F' profile, set packer between upper & lower windows @ 6245', RD WL.
15. Pick up Weatherford treating packer, GIH set packer @ 6235' (below top window @ 6216'-26'), test injection packer to 500#, POH w/ packer laying down 2 7/8" production tubing.
16. Pick up on-off tool, 3 jts 2 3/8" IPC/EPC tubing & Weatherford Tandem Tension packer, GIH w/ 2 3/8" IPC tubing, testing tubing to 5000#.
17. Circulate packer fluid, latch on-off tool, set upper packer, nipple down BOPE, nipple up injection head.
18. RU slick line, fish blanking plug.
19. RD pulling unit, clean location, place well on injection.

Well Services

Schlumberger

Tracy Cowan
ChevronTexaco DESC Engineer

Engineer: Denise Wann
Client: ChevronTexaco
Well: WDDU 114H
Formation: Drinkard
District: HNM
County: Lea

Date: 6/6/2003

Well Information

Casing: 5.5" 15.5 & 17# @ 7440'
Window: 62160-16' Upper Lateral - No Stimulation
Open Hole: 6216-7412' - 4 3/4" OH
Window: 6250-56' Lower Lateral - Reenter and Stimulate
Open Hole: 6256-7254' - 4 3/4" OH
Junk in Vertical: Top of fish (pump barrell and mud anchor) @ 6265'

BHA: Discovery MLT tool
Ball Activated Ported Sub (holes closed until ball dropped)
(ported sub configured with 4 10/32" bit nozzels - 8 bpm @ 1600 psi at tool)
2 3/8" CT

Fluid Systems

20,000 gal 20% HCL Acid, To contain per 1000 gals
2 gal A166, Inhibitor
5 gal L63, Iron Control
3 gal W53, Non Emulsifier
10 gal U66, Mutual Solvent
1.5 gal J429, Friction Reducer
2 lb A179, Inhibitor Aid

40,000 gal WF110, To contain per 1000 gals
2.2 gal B142, Gelling Agent
1 gal F103, Surfactant
2 lb J218, Breaker
2 gal L64, Temp Clay Stabilizer
0.15 lb B69, Biocide

Procedure & Pump Schedule:

1. Spot 1 acid tank and 2 water tanks.
2. MIRU 2 3/8" CT to full opening well head valve.
3. RIH with MLT and ported sub assembly (ports in closed position).
4. Profile across BOTH windows to locate and enter bottom/east lateral.
5. After enterening window, run to bottom with minimal pumping to confirm TD and being in east lateral.
(Total MD of east/bottom lateral is 7254')
6. Once lateral is confirmed, drop ball to open ports and isolate MLT tool.
7. With backside open to pit, start jet washing with slick water at 8-10 bpm from 7254 back to 6400 ft.
Run back to 7254 while jet washing with slick water back to surface.

Close in backside and acid wash/inject all acid from 7254 back to 6300 ft.

Total Pump Rate: 10

Interval	Footage (feet)	Volume (gallons)	Volume (bbls)	Fluid	Pump Rate (bpm)	CT Rate (ft/min)
Surf-7254	854	3,000	71	WF110	slow	NA
7254-6400	854	15,000	357	WF110	10	23.9
6400-7254	854	15,000	357	WF110	10	23.9
7254-6400	854	20,000	476	20% HCl	10	17.9
Totals	3416	53,000	786			
66400-surf	No pumping necessary			WF110		

8. POOH with CT in static mode (little to no pumping).
9. RDMO Schlumberger CT services.
10. Run injection equipment and place on injection.

**CoilCAT**

Client: ChevronTexaco
Well: WDDU 114H
Field: West Dollarhide Drinkard Unit

Prepared for: Denise Wann
County: Lea
Service Point: Midland, TX
(915) 683-1887

Total Running Feet: 8,108
BHST: 130

Job Type: Coiled Tubing Acid Jet Wash
6/6/2003

Tubing: None
Casing: 5 1/2" 15.5 & 17#
Min. ID: 4.995"

Customer to supply:
Returns tank
Backside iron (to returns tank)
Flush/completion fluid
Acid tank + required fresh water

Wellhead Connection: ?
Max. WHP = 3000 psi

Well Services to provide:
2 3/8" CT Unit
Fluid Pumps
CT BOP's with flow cross
Acid and materials
Discover MLT
Ball Activated Ported Sub

Fluid # 1
20,000 Gallons of 20% HCl
2 gpt A-166 Corrosion Inhibitor
2 ppt A-179 Iron Control Aid
1.5 gpt J-429 Acid Gelling Agent
5 gpt L-63 Iron Control Agent
10 gpt U-66 Non-Emulsifier
3 gpt W-53 Non-Emulsifier

Fluid # 2
40,000 Gallons of WF110
1 gpt F-103 Surfactant
2 ppt J-218 Breaker
2.2 gpt B-142 Gelling Agent (PSG)
2 gpt L-64 Liquid KCl
0.15 ppt B-69 Biocide

Fluid # 3
Fluid # 4

Services	Item Code	Unit Price	Gross Price	Discount	Net Price
All day charges are per job (well) or per day if the job exceeds one day					
1 day 2 3/8" CTU with crew (1st 8 hrs)	107138500 @	\$3,795.00	3,795.00	52	1,821.60
4 hr Additional Time: 2 3/8" CTU	107138700 @	\$320.00	1,280.00	52	614.40
8,108 ft 2 3/8" CT Pipe Charge (per ft per run per day)	107138900 @	\$1.45	11,756.60	52	5,643.17
10,000 ft 2 3/8" Severe Service (exposed ft in wellbore, per d:	107139200 @	\$0.31	3,100.00	52	1,488.00
4 hr Additional Time: Service Supervisor	103109 000 @	\$66.00	264.00	52	126.72
16 hr Additional Time: Equipment Operators	103112 000 @	\$53.00	848.00	52	407.04
1 Ea CTSI Monitoring System	110048 000 @	550.00	550.00	52	264.00
1 Ea CoilCAT Design and Real Time Monitoring	110049 000 @	1,100.00	1,100.00	52	528.00
8,108 ft Universal Tubing Integrity Monitor	110048100 @	0.02	162.16	52	77.84
8,108 ft Universal Tubing Length Monitor	107019000 @	0.04	324.32	52	155.67
1 days Hydraulic Crane	103017 000 @	\$935.00	935.00	52	448.80
1 days CT Connector	103031 000 @	\$80.00	80.00	52	38.40
1 days CT Check Valve	110008 000 @	\$660.00	660.00	52	316.80
1 days Tree Conn (3 1/2" or larger threaded)	103040 000 @	\$55.00	55.00	52	26.40
1 days Flow Cross w/ 2-2x1 valves	103082 000 @	\$240.00	240.00	52	115.20
1 days 2x2 Plug valve	103054 001 @	\$40.00	40.00	52	19.20
4 each Expendable BOP Parts (min per ram per job)	103009 000 @	\$200.00	800.00	52	384.00
1 days Side Door Packoff	110058 001 @	\$420.00	420.00	52	201.60
1 each Stripper Rubber Insert (one charge per well)	103007 000 @	\$200.00	200.00	52	96.00
1 Ea Frac Pump (4 hrs)	28021-003 @	6,000.00	6,000.00	70.5	1,770.00
1 Ea Stand by pump (4 hrs)	28178-003 @	4,000.00	4,000.00	70.5	1,180.00
8 Hr Beyond 1st 4 Hours 2501-5000 Psi	102878-025 @	240.00	1,920.00	70.5	566.40
8 Hr Frac Pump non pumping time	28179-000 @	500.00	4,000.00	70.5	1,180.00
4 Hrs Acid Transport Charge 4 hour Min.	058041-009 @	110.00	440.00	70.5	129.80
1 ea Nitrogen Unit (8 hr, 0-5k psi, per day)	102980 000 @	\$1,300.00	1,300.00	52	624.00
240 mi Mileage: CTU (100 mile min., return)	103104 000 @	\$4.08	979.20	52	470.02
480 mi Mileage: Other Units (100 mile min., return)	103105 000 @	\$3.75	1,800.00	52	864.00
240 mi Mileage: Tractor/Trailer (100 mile min., return)	103104 000 @	\$4.08	979.20	52	470.02
120 mi Mileage: N2 Pump (100 mile min., return)	103104 000 @	\$4.08	489.60	52	235.01
240 mi Mileage: One-Ton Truck (100 mile min., return)	103106 000 @	\$3.75	900.00	52	432.00
1 ea Discovery MLT Tool	@	\$23,300.00	23,300.00	67	7,689.00
1 ea MLT Redress Charge	@	1,600.00	1,600.00	0	1,600.00
1 day MLT Tool Specialist	@	1,250.00	1,250.00	67	412.50

Services Total:**30,395.58****Products**

			Item Code	Unit Price	Gross Price	Discount	Net Price
1	Job	Fuel Surcharge (1.5% of Services)	102946-000 @	\$741.27	741.27	0	741.27
250	100 scf	Nitrogen, per 100scf (blowdown reel @ yard)	N002 @	\$2.20	550.00	52	264.00
20,000	gal	H2O, 20% Hydrochloric Acid	H020 @	2.28	45,600.00	70.5	13,452.00
40	Gal	A-166 Corrosion Inhibitor	A166 @	75.10	3,004.00	70.5	886.18
40	Lbs	A-179 Iron Control Aid	A179 @	11.55	462.00	70.5	136.29
40	Gal	F-103 Surfactant	F103 @	64.85	2,594.00	70.5	765.23
80	Lbs	J-218 Breaker	J218 @	7.16	572.80	70.5	168.98
30	Gal	J-429 Acid Gelling Agent	J429 @	61.55	1,846.50	70.5	544.72
88	Gal	B-142 Gelling Agent (PSG)	B142 @	40.98	3,606.24	70.5	1,063.84
100	Gal	L-63 Iron Control Agent	L063 @	68.75	6,875.00	70.5	2,028.13
20	Gal	L-64 Liquid KCl	L064 @	46.40	928.00	70.5	273.76
6	Lbs	B-69 Biocide	B069 @	126.71	760.26	70.5	224.28
200	Gal	U-66 Freflo EB Miscible Solvent	U066 @	27.90	5,580.00	70.5	1,646.10
60	Gal	W-53 Non-Emulsifier	W053 @	54.40	3,264.00	70.5	962.88
300	Gal	Pumping of Customer Supplied Chemicals		3.50	1,050.00	70.5	309.75

Products Total:**23,157.65****Total Price:****153,002.15****64.8%****NET****53,862.98****Optional Items:****Optional Items Total:****Total Price with Optional Items:****153,002.15****66.6%****NET****51,169.83**

Prices quoted are for the first 8 hrs on CT equipment and personnel. Additional time will be charged at the following hourly rate:

Prices quoted are estimates only and are good for 30 days from date of issue using the most current pricebook in effect at time of service.

Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services.

Texaco Exploration & Production Co.
J. Denise Wann
Technical Team Leader
15 Smith Road
Midland, Texas 79705
Office 915-687-7100
wannjd@chevrontexaco.com

ChevronTexaco

June 3, 2003

West Dollarhide Drinkard Unit
Convert to Injection
WDDU # 114H

Working Interest Owners:

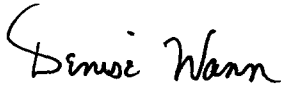
ChevronTexaco Exploration & Production Company, a division of Chevron U.S.A., Inc., proposes the conversion of the West Dollarhide Drinkard Unit (WDDU) #114 from producing horizontal to horizontal injector. Subsequent to the drilling of the four horizontals in 2002 (WDDU 115H, 88H, 113H, and 105H), production for the WDDU 114H has declined. These production results indicate that the WDDU 114H is a good candidate for providing injection support to the surrounding horizontals. Figure 1 is a map of the southern portion of the WDDU. This map illustrates the optimal placement of WDDU 114H in relation to WDDU 115H, 113H, and 88H.

All of these horizontals are intersecting the primary pay in the WDDU. This ideal placement and low cost associated with converting an existing horizontal will give us an excellent opportunity to determine the viability of using horizontal injectors 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 Cynthia Welch (team geologist) at (432) 687-7320 or Denise Wann (team supervisor and engineer) at (432) 687-7380. Thanks in advance for your prompt attention to this matter.

Sincerely,



Denise Wann
Technical Team Leader
New Mexico Area Waterflood

Texaco Exploration & Production Co.
J. Denise Wann
Technical Team Leader
15 Smith Road
Midland, Texas 79705
Office 915-687-7380
wannjd@chevrontexaco.com

ChevronTexaco

June 16, 2003

West Dollarhide Drinkard Unit # 114H
Convert to Injection
West Dollarhide Drinkard Unit
Lea County, New Mexico

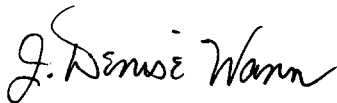
Attention: Offset Operator

Ladies and/or Gentlemen,

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 # 114H 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 (915) 687-7380

Sincerely,



J. Denise Wann
Petroleum Engineer
New Mexico Waterfloods

Attachments

**West Dollarhide Drinkard Unit
108' FNL 7 2325' FWL
Section 5, T25S; R38E
Unit Letter 'C'
LEA County, NM**

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**

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 20 2003
and ending with the issue dated

March 20 2003

Kathi Bearden Bytken
Publisher

Sworn and subscribed to before

me this 20th day of

March 2003

Jodi Benson
Notary Public.

My Commission expires
October 18, 2004
(Seal)

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

LEGAL NOTICE
March 20, 2003

ChevronTexaco Exploration & Production Co. has applied to the Oil Conservation Division of the State of New Mexico for approval to convert the WDDU #114H 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 well is located: 108' FNL & 2325' FWL, in Section 5, Unit letter 'C', Township 25 South, Range 38 East, 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 (915)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.

#19660

02104895000 67512339
Texaco Exploration and Product
P.O. Box 3109
MIDLAND, TX 79702-3109