

DEPCO, Inc.

Exploration & Production800 Central
ODESSA, TEXAS 79760

January 30, 1973

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Subject: Administrative Approval to
Inject water into East
Millman Waterflood Project,
State 648, Wells No. 153,
160, 189, and State "BN"
No. 2.

Field: East Millman Queen-Grayburg
County: Eddy
State: New Mexico

Gentlemen:

DEPCO, Inc. requests administrative approval to inject water into their East Millman Waterflood Project, State 648 Wells No. 153, 160, 189, and State "BN" No. 2 located as follows:

<u>Lease and well no.</u>	<u>Location</u>
State 648 No. 153	Unit C, 660 FNL & 1980 FWL, Sec. 14, T-19s, R-28e
State 648 No. 160	Unit K, 1980 FS & WL, Sec. 11, T-19s, R-28e
State 648 No. 189	Unit M, 330 FSL & 990 FWL, Sec. 11, T-19s, R-28e
State "BN" No. 2	Unit O, 660 FSL & 1980 FEL, Sec. 11, T-19s, R-28e

The East Millman Waterflood Project was initially approved by New Mexico Conservation Commission Order No. R-2405 and expanded by Order No. PMX-5.

Attached as set forth in Rule 701-B are the following exhibits:

1. Exhibit 1---A plat showing the location of the proposed injection wells and the location of all other wells within a radius of two miles.
2. Exhibit 2---Logs are attached from State 648, Wells No. 153, 160, 189, and State "BN" Well No. 2.
3. Exhibit 3---Diagrammatic sketches for these proposed injectors.

Injection will be into the Queen-Grayburg formation which is located at an approximate depth range of 1650 to 2250 feet.

Approximately 500 BWPD will be injected into each of the proposed injectors. Water for this project is purchased from Double Eagle Corporation.

Attached also is a performance curve for the East Millman Project which shows this project has responded to water injection. The working interest ownership for both these leases is common and both are also state leases.

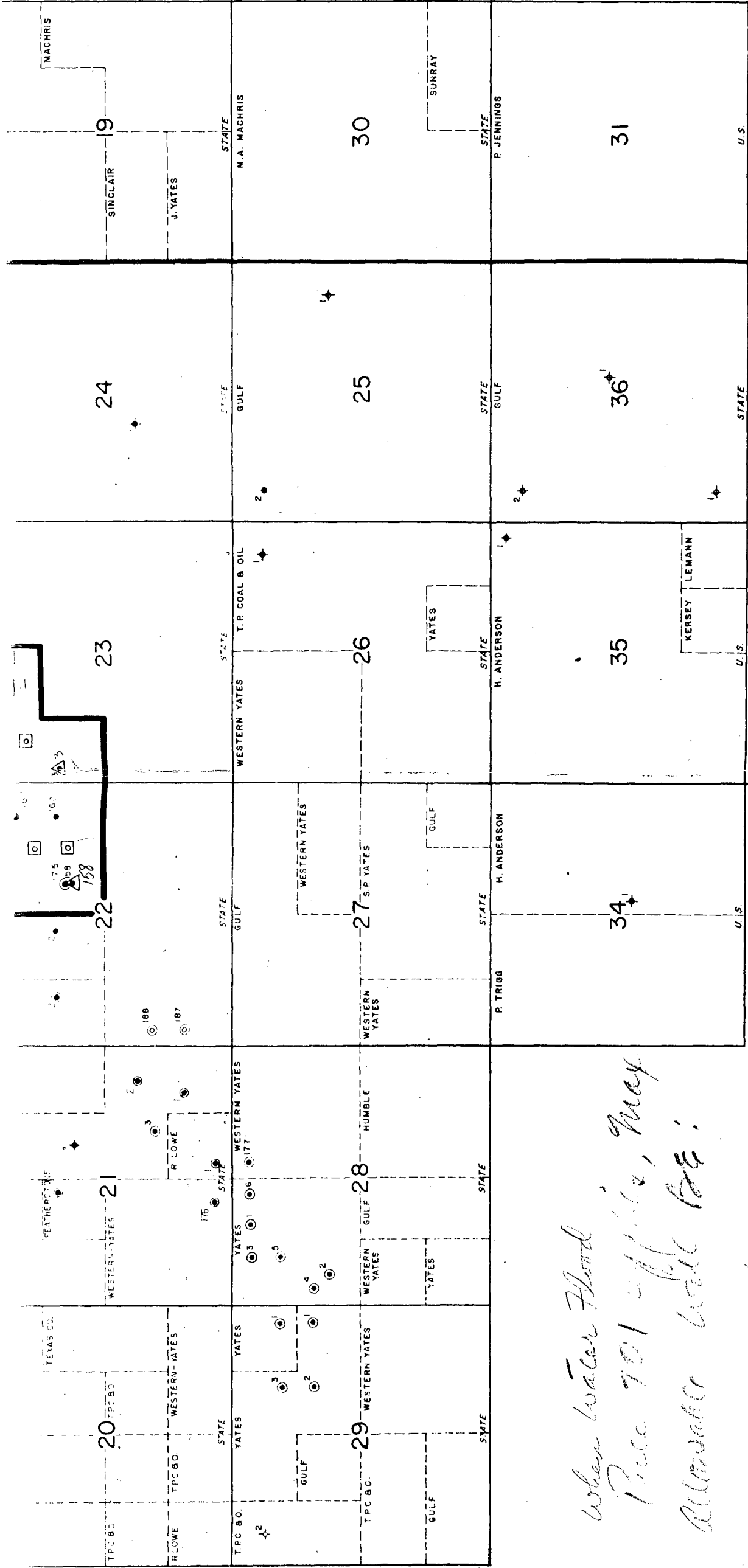
Very truly yours,

A handwritten signature in cursive script that reads "Welton C. Smith".

Welton C. Smith
District Engineer

WCS/drm

cc: State Land Office
NMOCC - Artesia
Sun - Midland (Without Attachments)
Welch - Artesia (Without Attachments)
Gulf - Hobbs (Without Attachments)
Lowe - Midland (Without Attachments)



WESTERN DEVELOPMENT COMPANY OF DELAWARE

EAST MILLMAN POOL
T-19-S R-28-E
EDDY COUNTY, NEW MEXICO
SCALE 1"= 2000'

- QUEEN GRAYBURG WELLS
- SEVEN RIVERS WELLS
- ◻ SOURCE WATER WELL
- ▲ PRODUCING WELL TO BE CONVERTED TO WATER INJECTION WELL
- PROPOSED PRESSURE MAINTENANCE AREA

When Water Flood
Pace 701 applies, may
allowable well be:

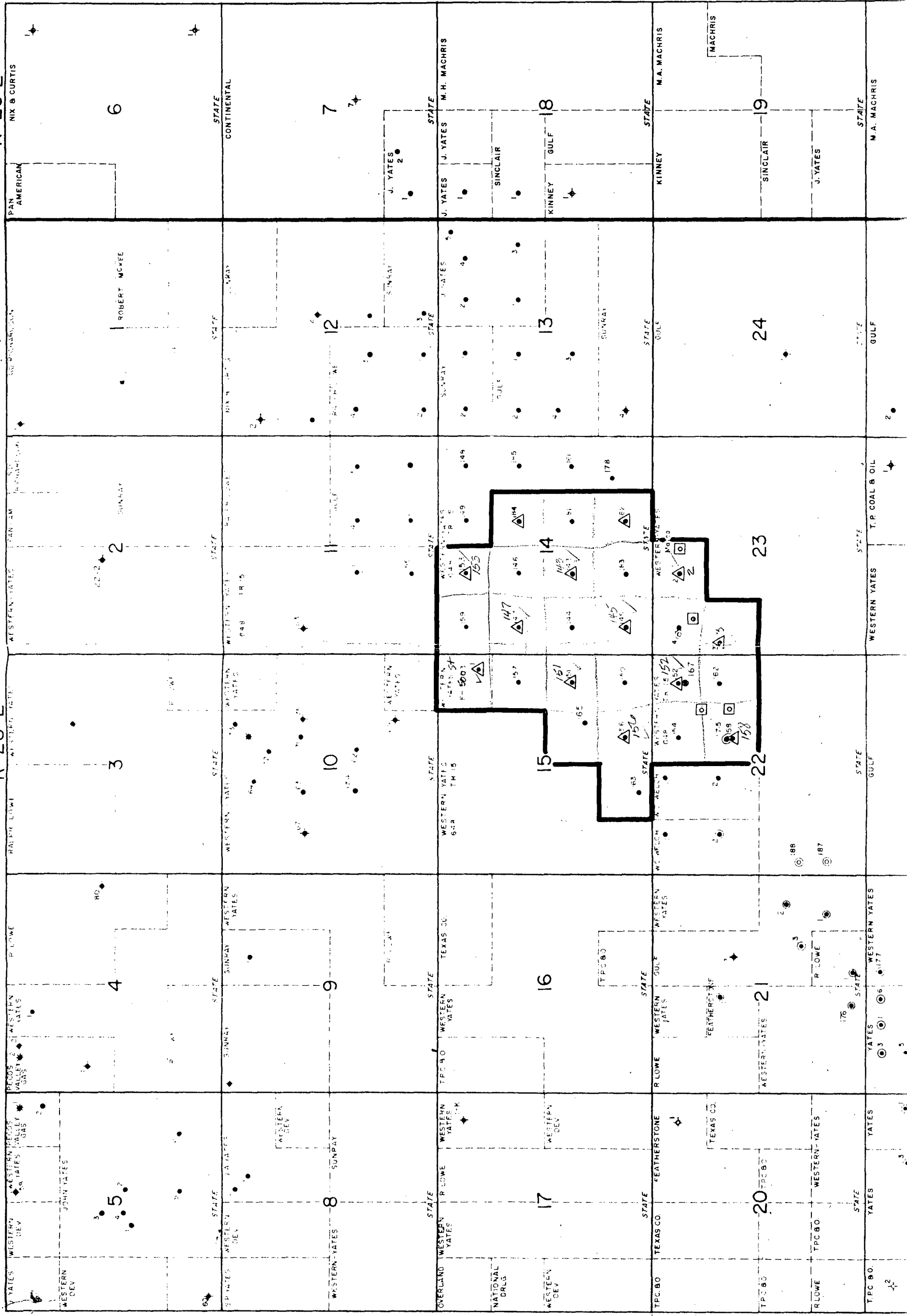
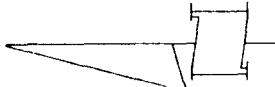
12 Inj. Wells
12 Prod. Wells
0 Env. Wells on acre tract

25
100
1050

R 29 E

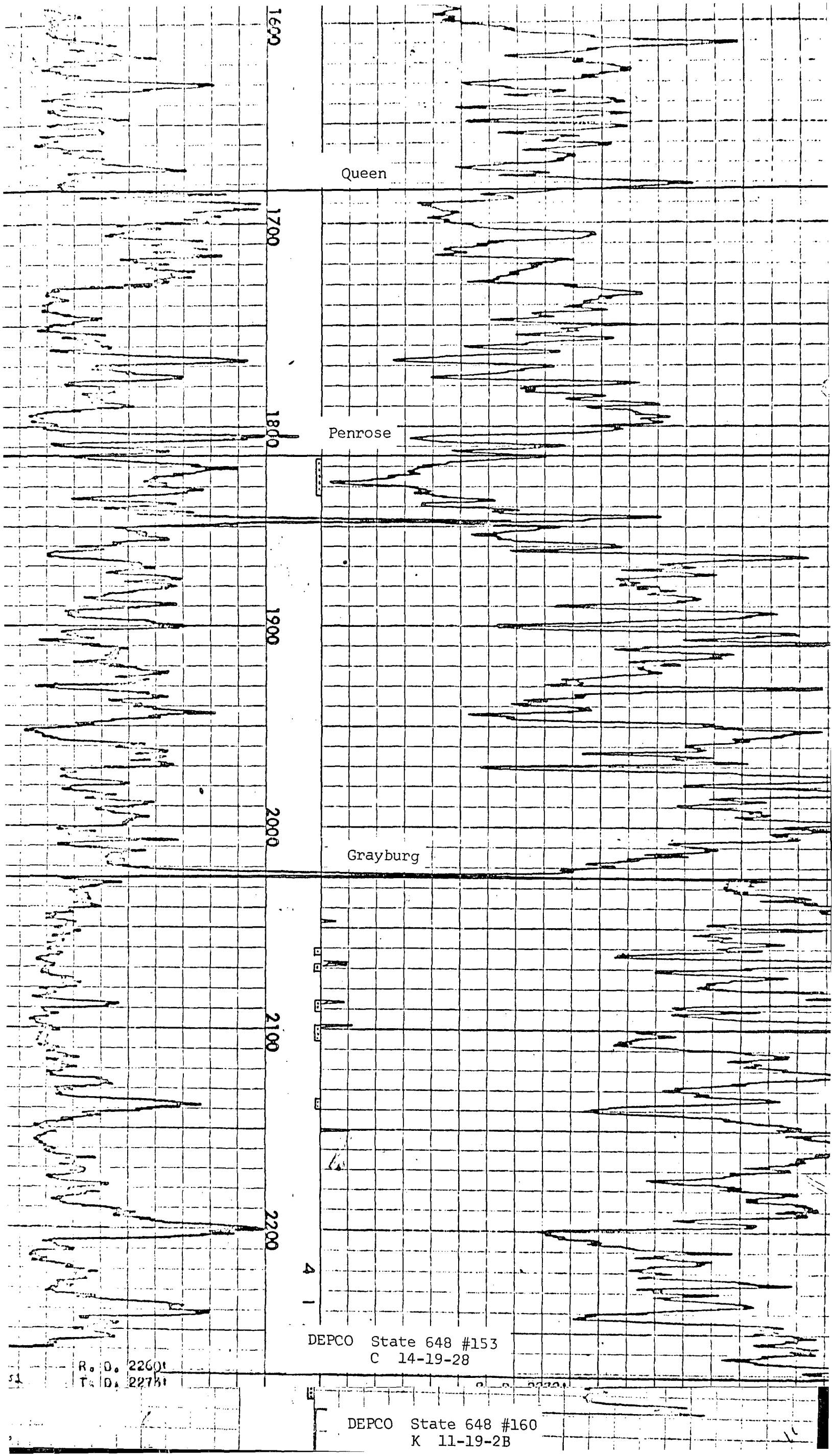
R 28 E

T 19 S



Copy of Exh. #1 in Case 2656

Exhibit 2 - Logs



Queen

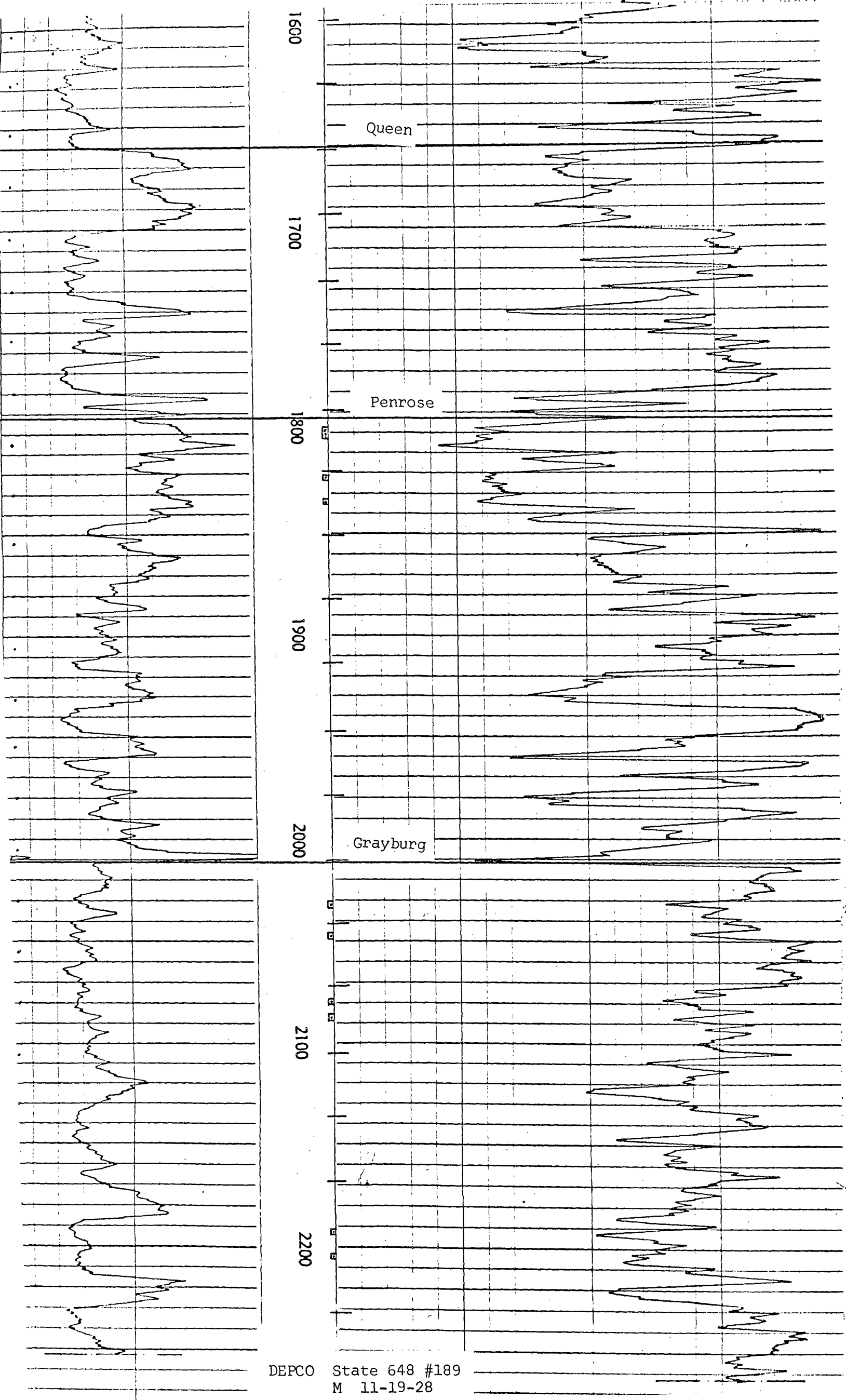
Penrose

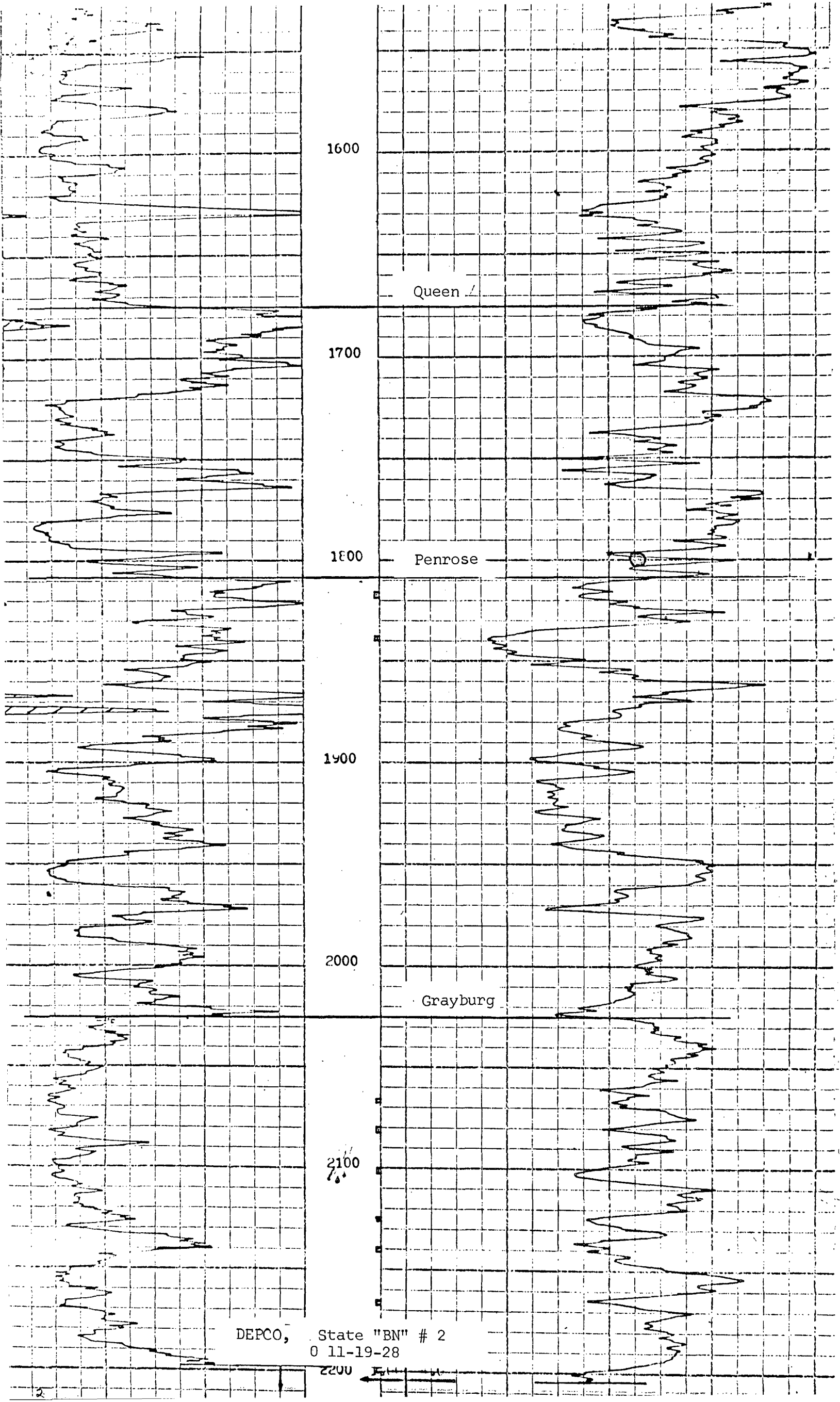
Grayburg

DEPCO State 648 #153
C 14-19-28

R. D. 22601
T. D. 22761

DEPCO State 648 #160
K 11-19-2B





1600

Queen

1700

1800

Penrose

1900

2000

Grayburg

2100

DEPCO, State "BN" # 2

0 11-19-28

2200

Queen

Penrose

Grayburg

1610

1700

1800

1900

2000

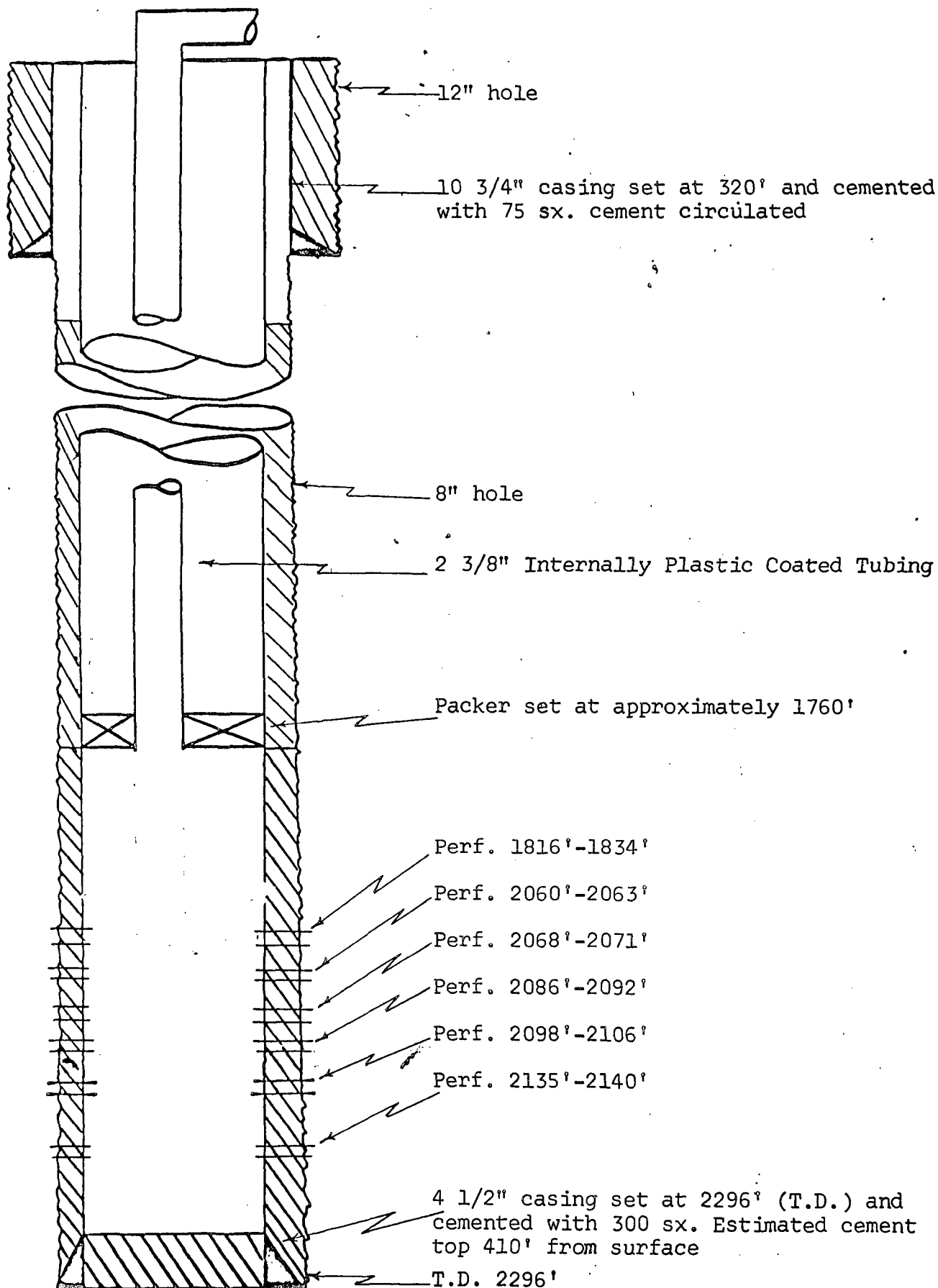
2100

2200

Exhibit 3 - Diagrammatic Sketches

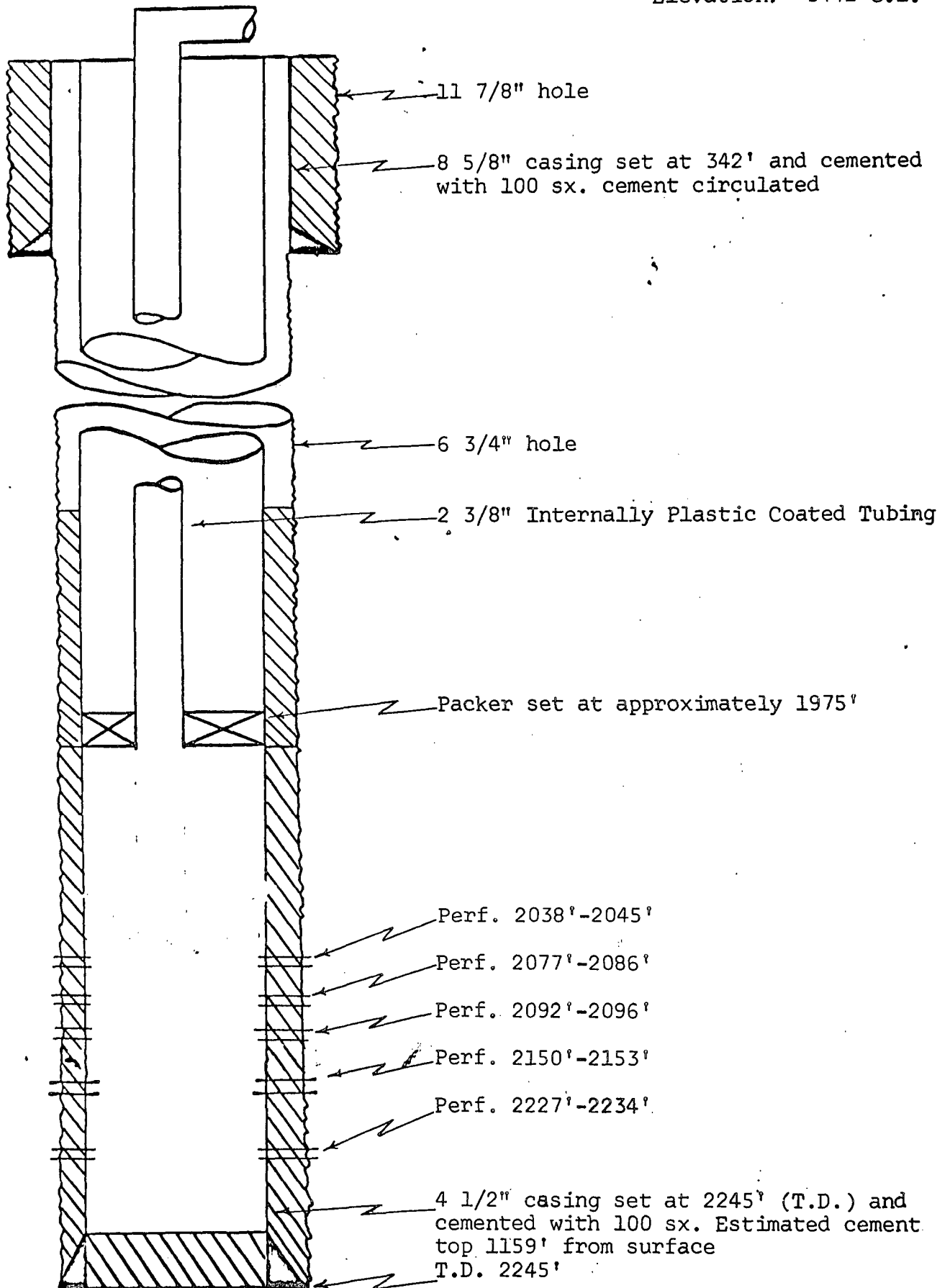
Proposed Well Condition
State 648 Well No. 153

Elevation: 3426 D.F.



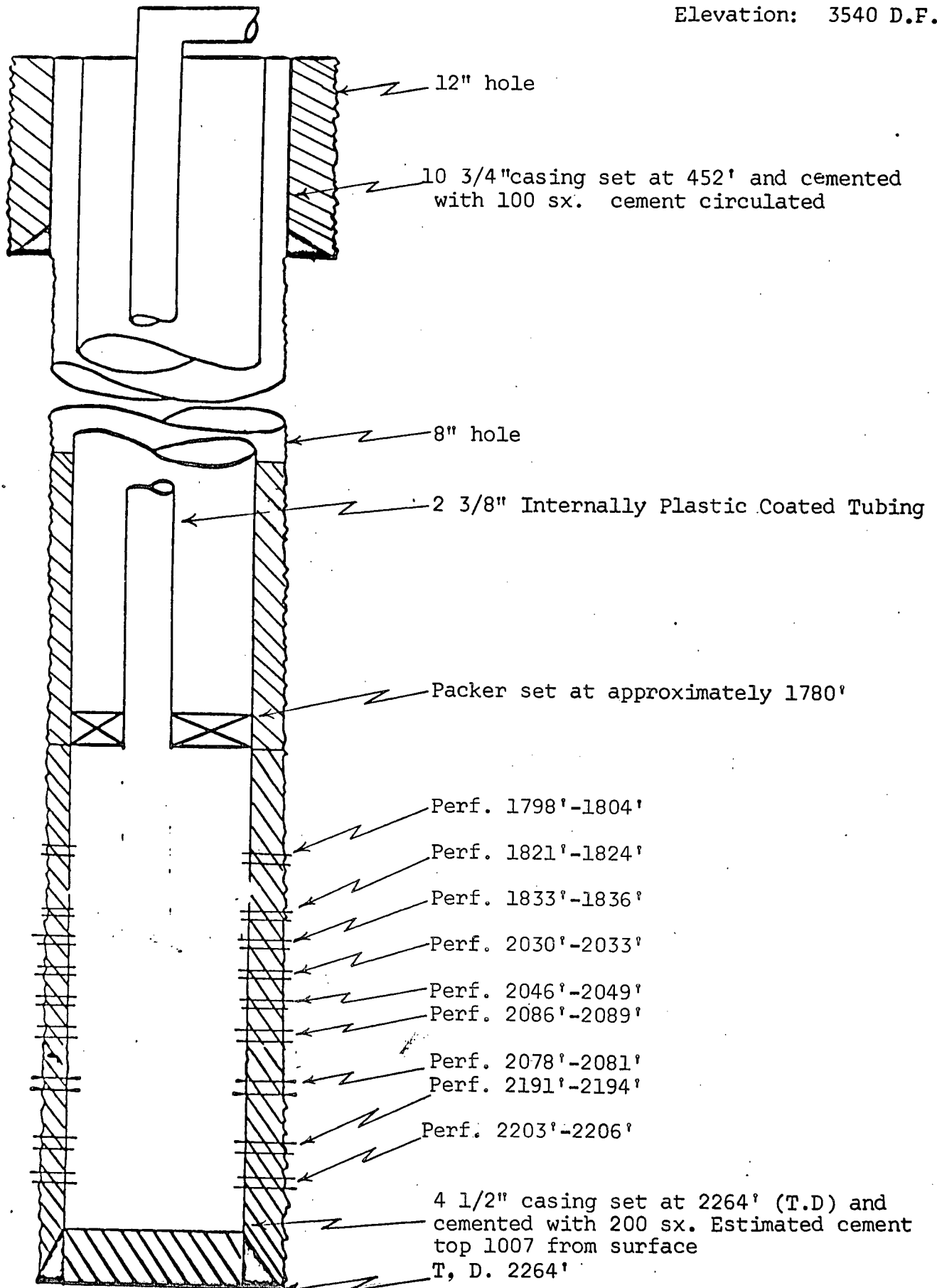
Proposed Well Condition
State 648 Well No. 160

Elevation: 3442 G.L.



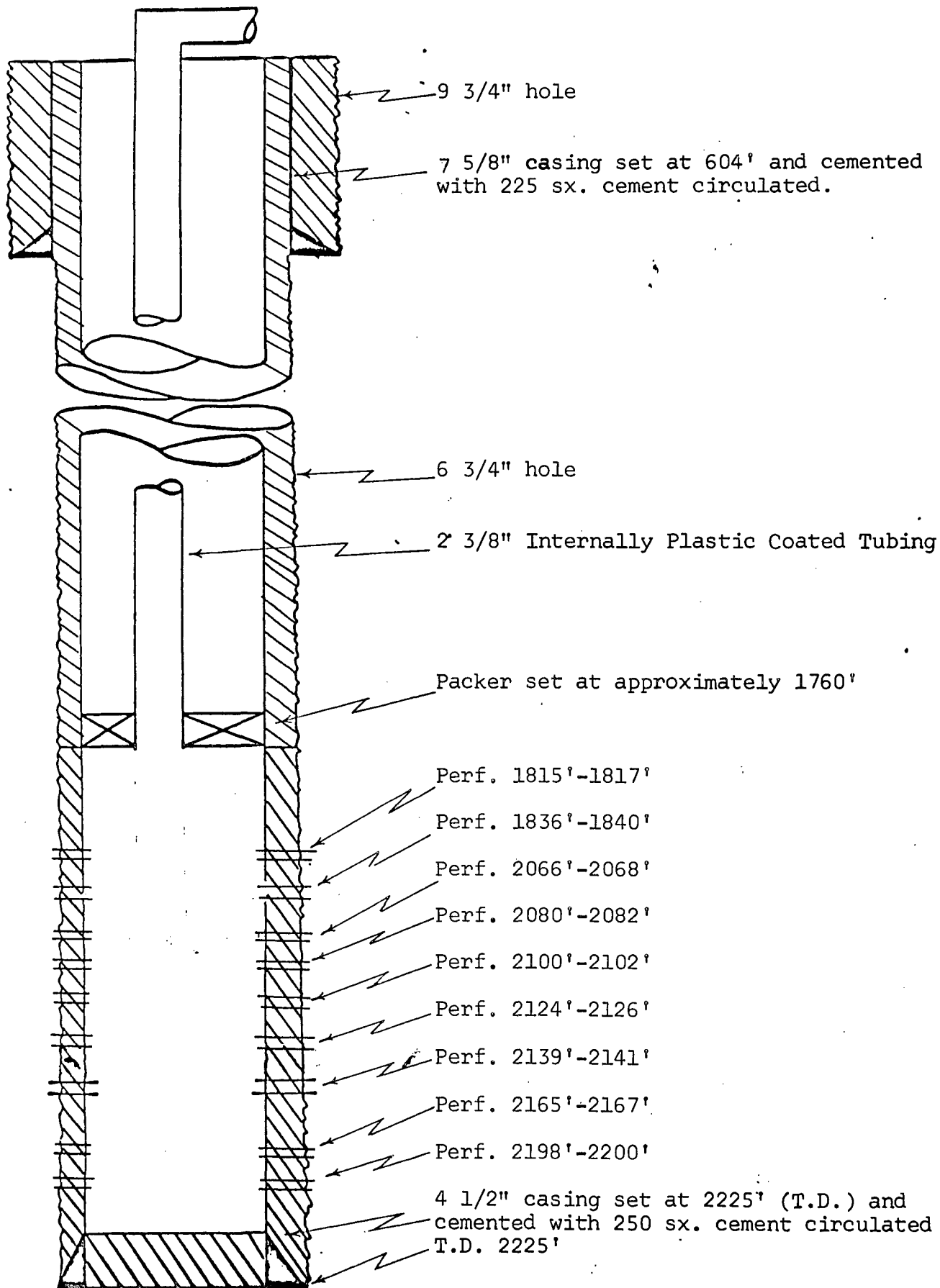
Proposed Well Condition
State 648 Well No. 189

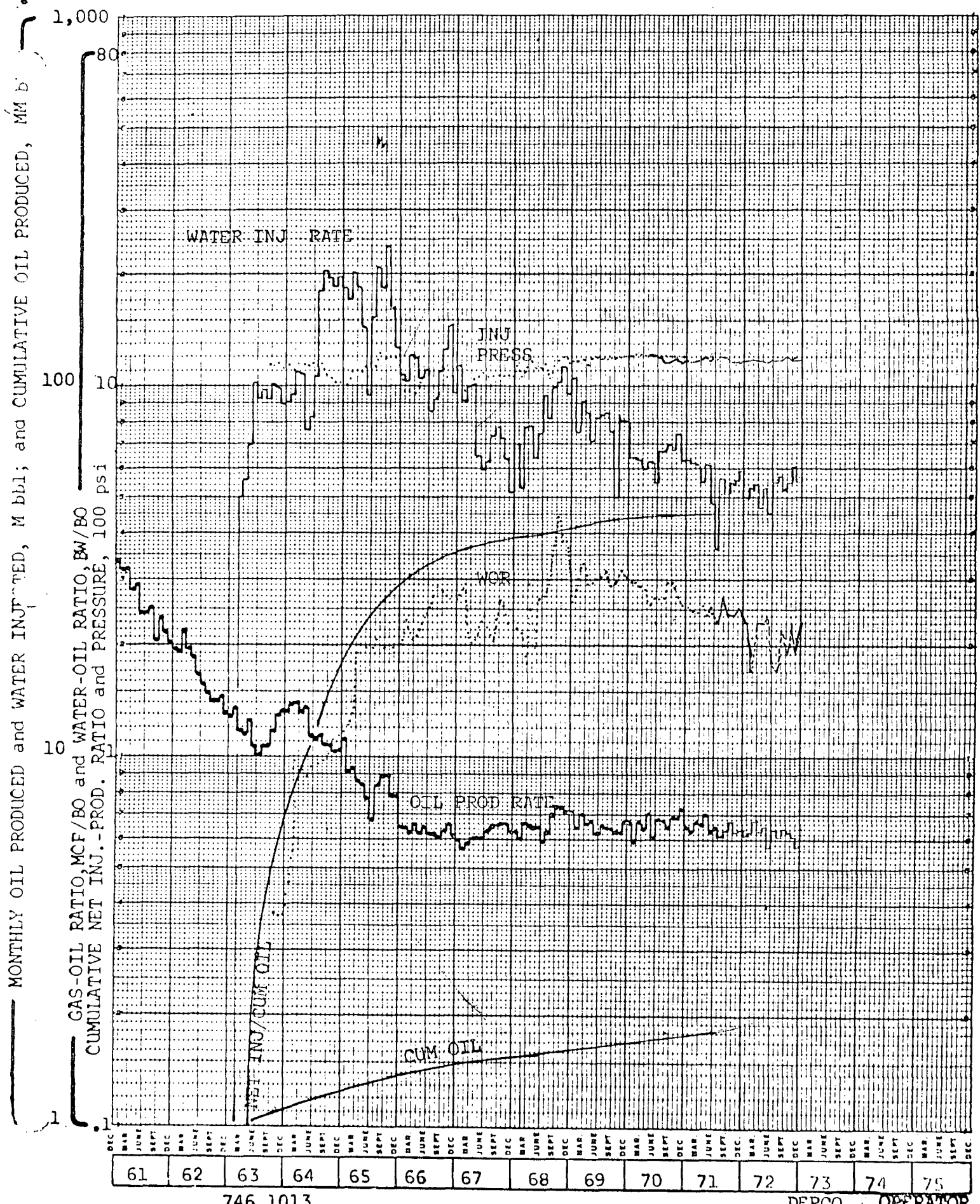
Elevation: 3540 D.F.



Proposed Well Condition
State "BN" Well No. 2

Elevation: 3437 K.B.





746 1013

DEPCO OPERATOR
MILLMAN, EAST FIELD
MILLMAN UNIT PROJECT