

WFX - ~~75~~ 388

# DEPCO, Inc.

## Exploration & Production



800 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,



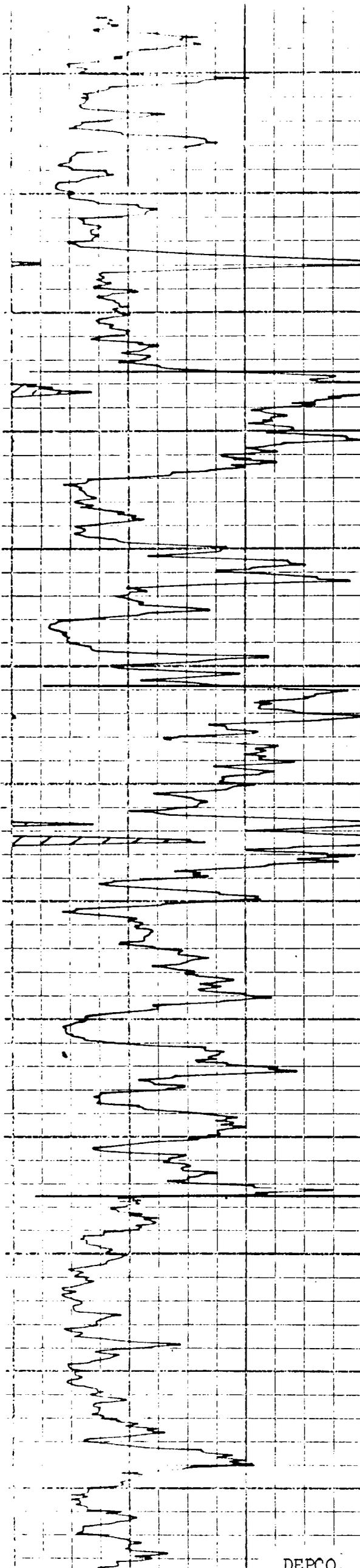
Welton C. Smith  
District Engineer

WCS/drm

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

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Exhibit 2 - Logs



1600

Queen

1700

1800

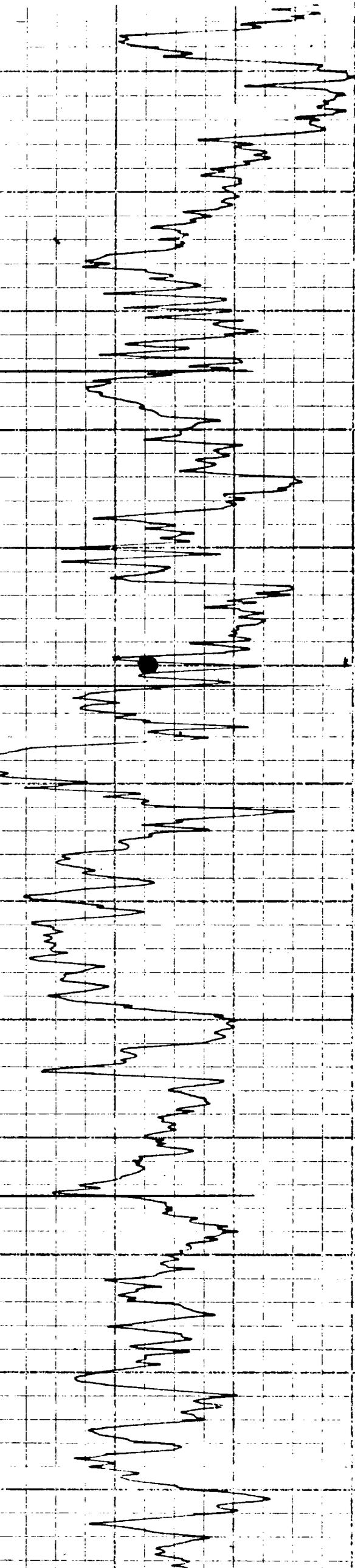
Penrose

1900

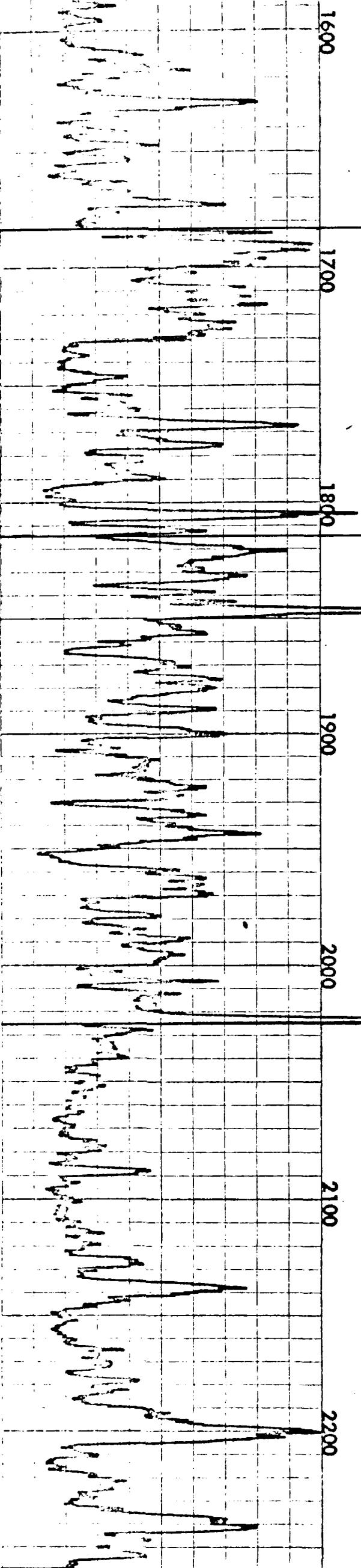
2000

Grayburg

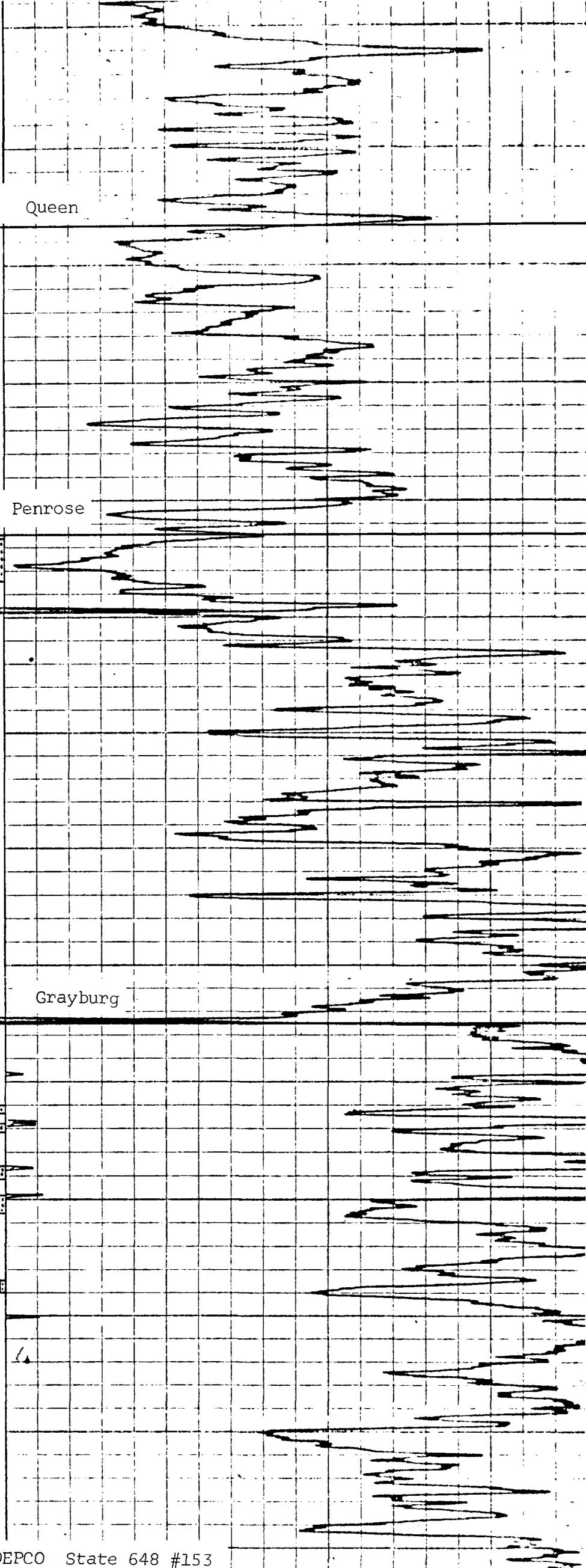
2100







1600  
1700  
1800  
1900  
2000  
2100  
2200



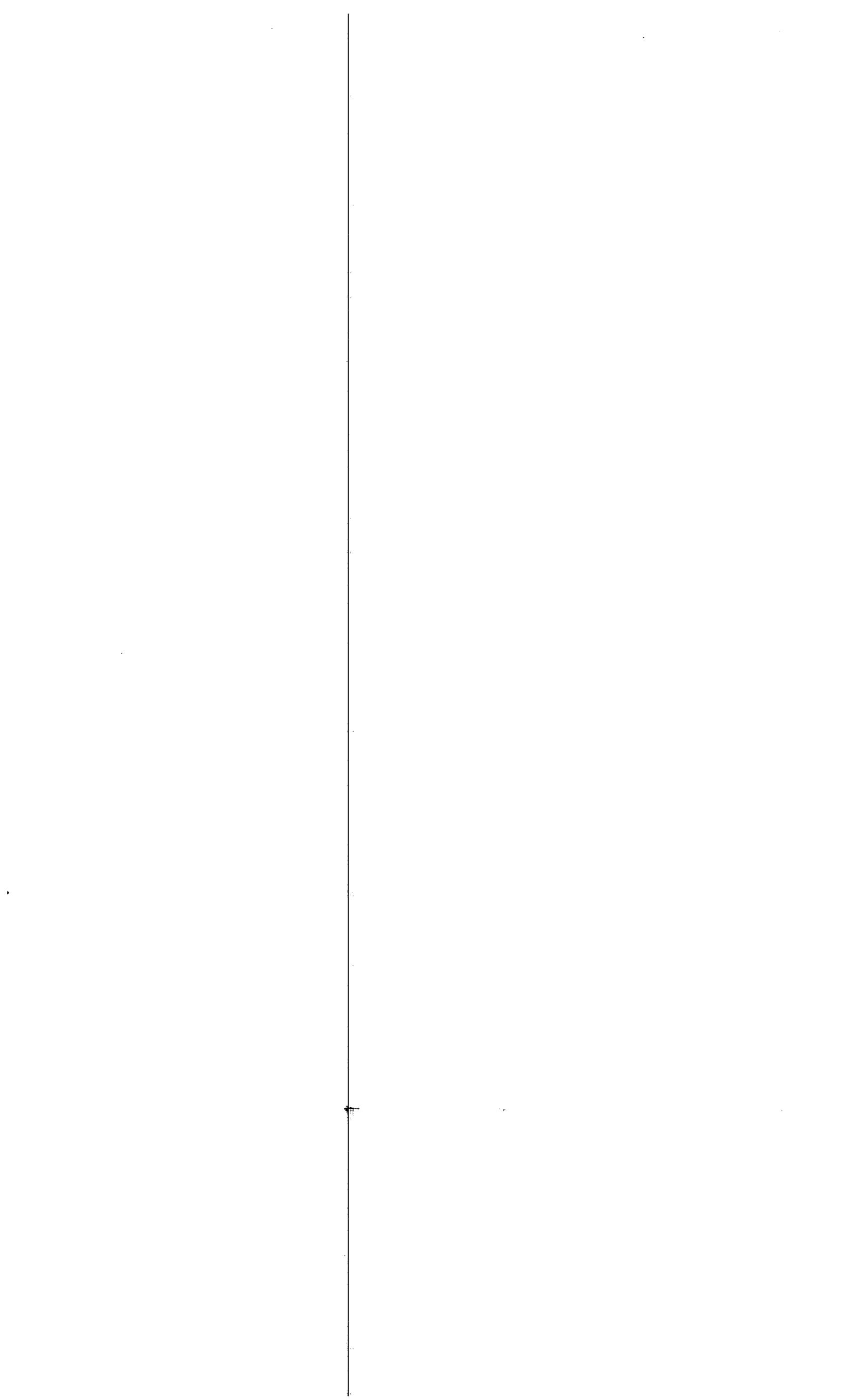
Queen

Penrose

Grayburg

DEPCO State 648 #153  
C 14-19-28

R. D. 22601



Queen

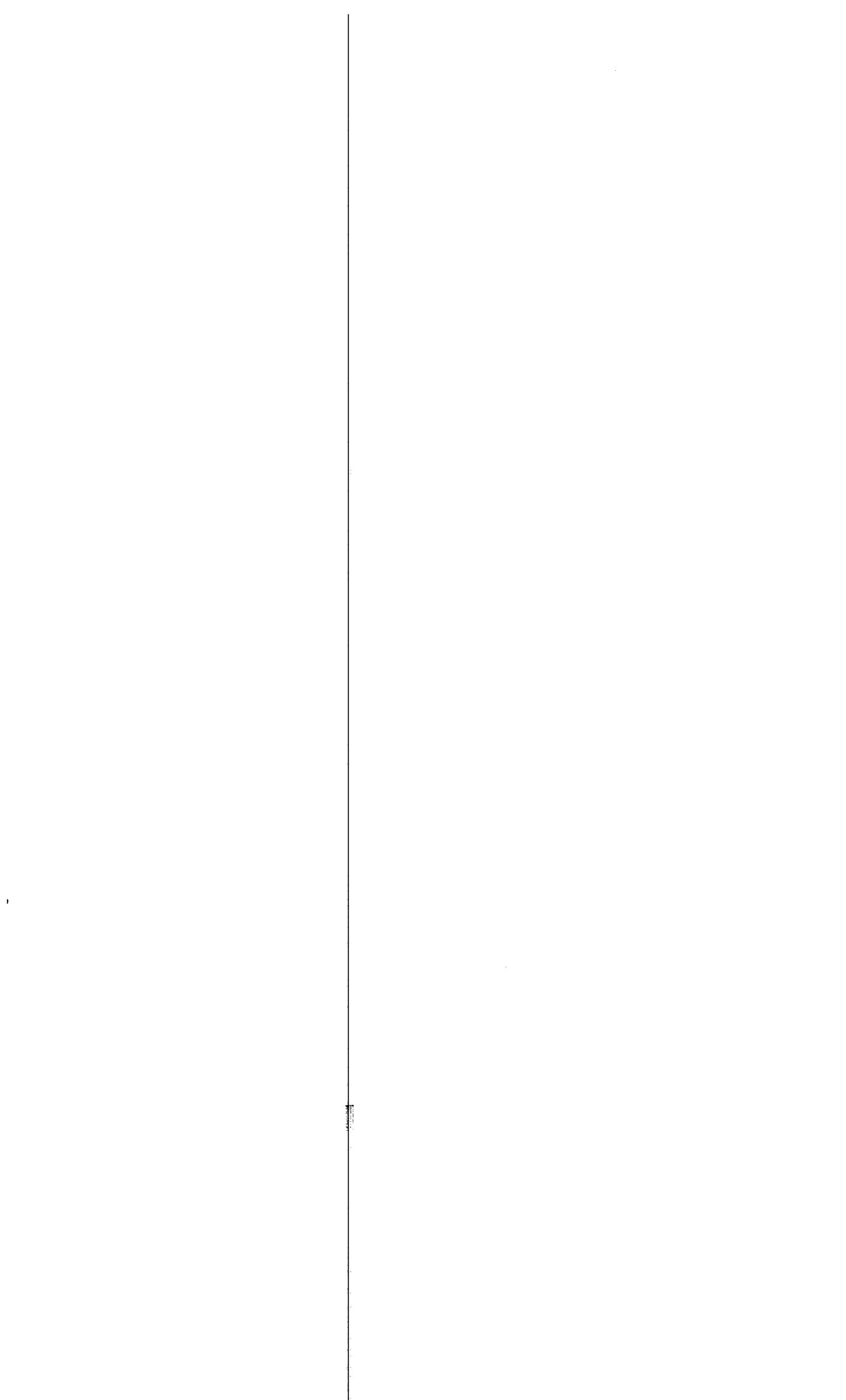
Penrose

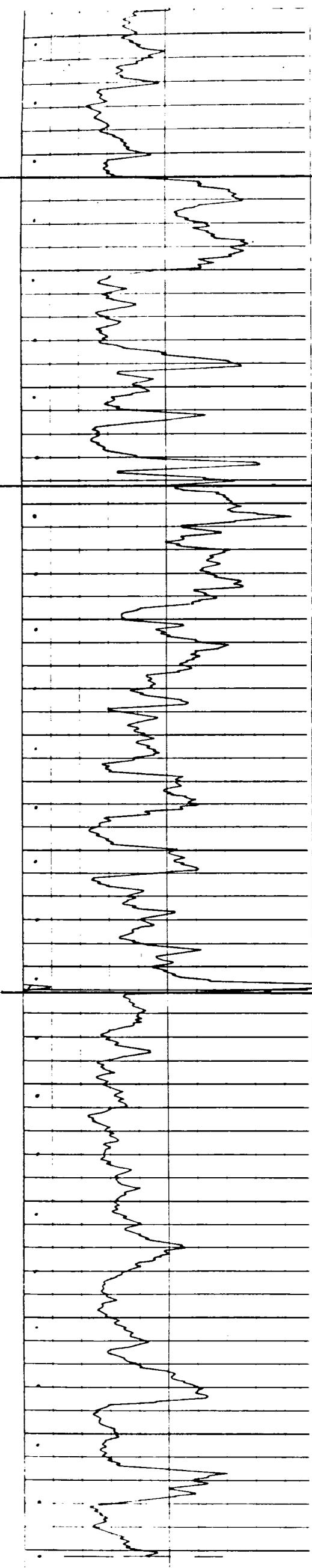
**ILLEGIBLE**

Grayburg

2100

2200





1600

Queen

1700

Penrose

1800

1900

2000

Grayburg

2100

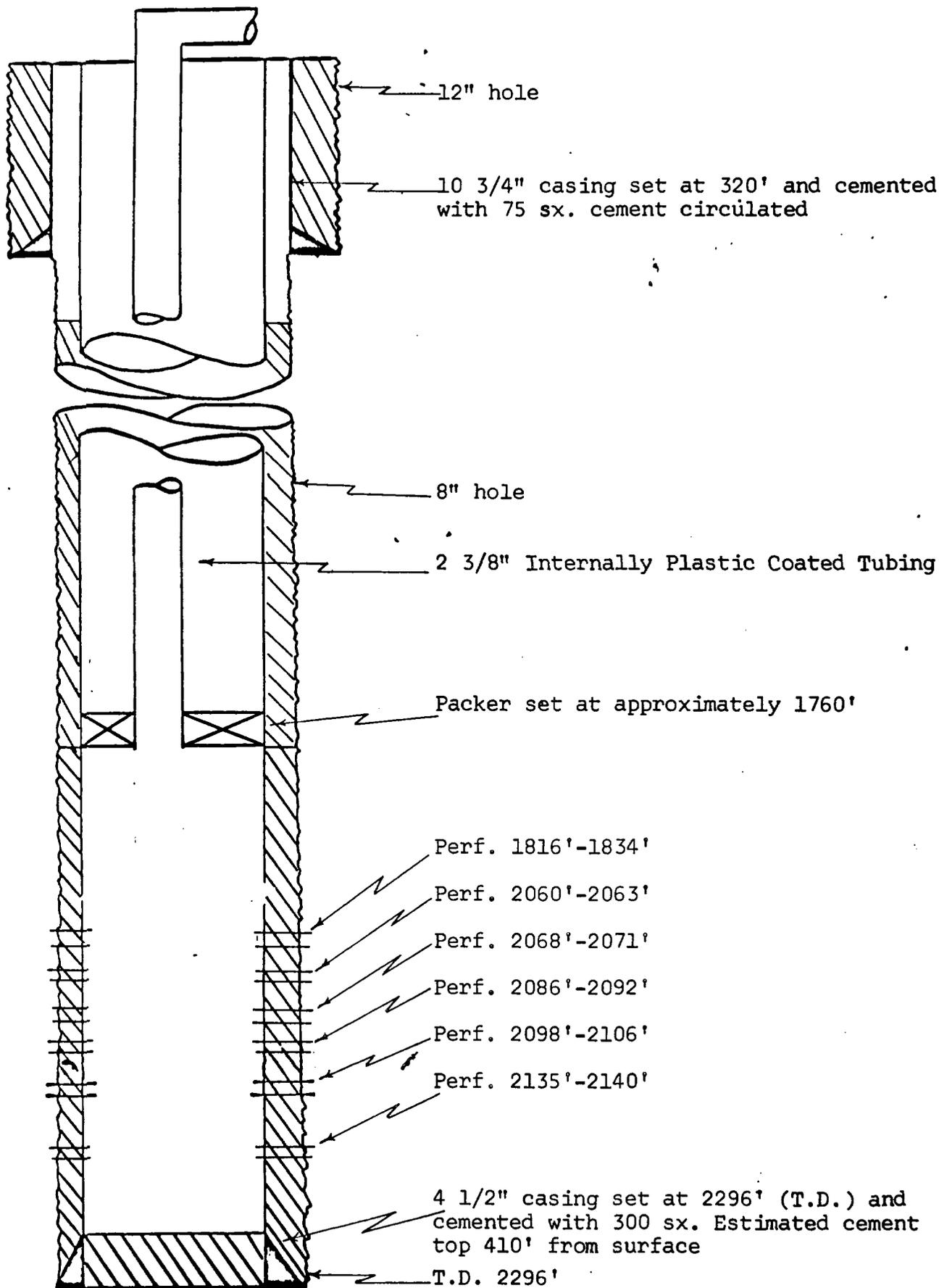
2200



Exhibit 3 - Diagrammatic Sketches

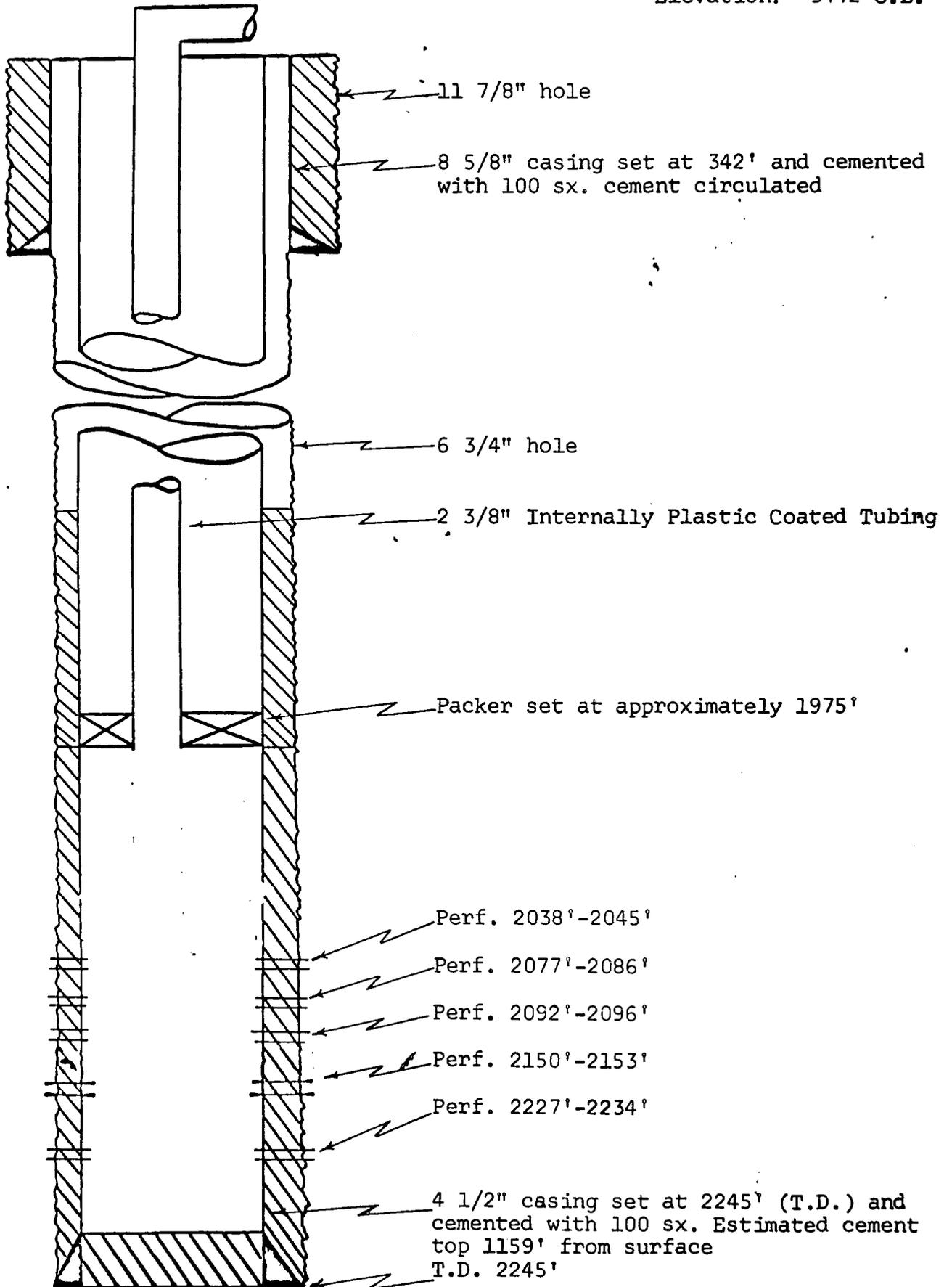
Proposed Well Condition  
State 648 Well No. 153

Elevation: 3426 D.F.



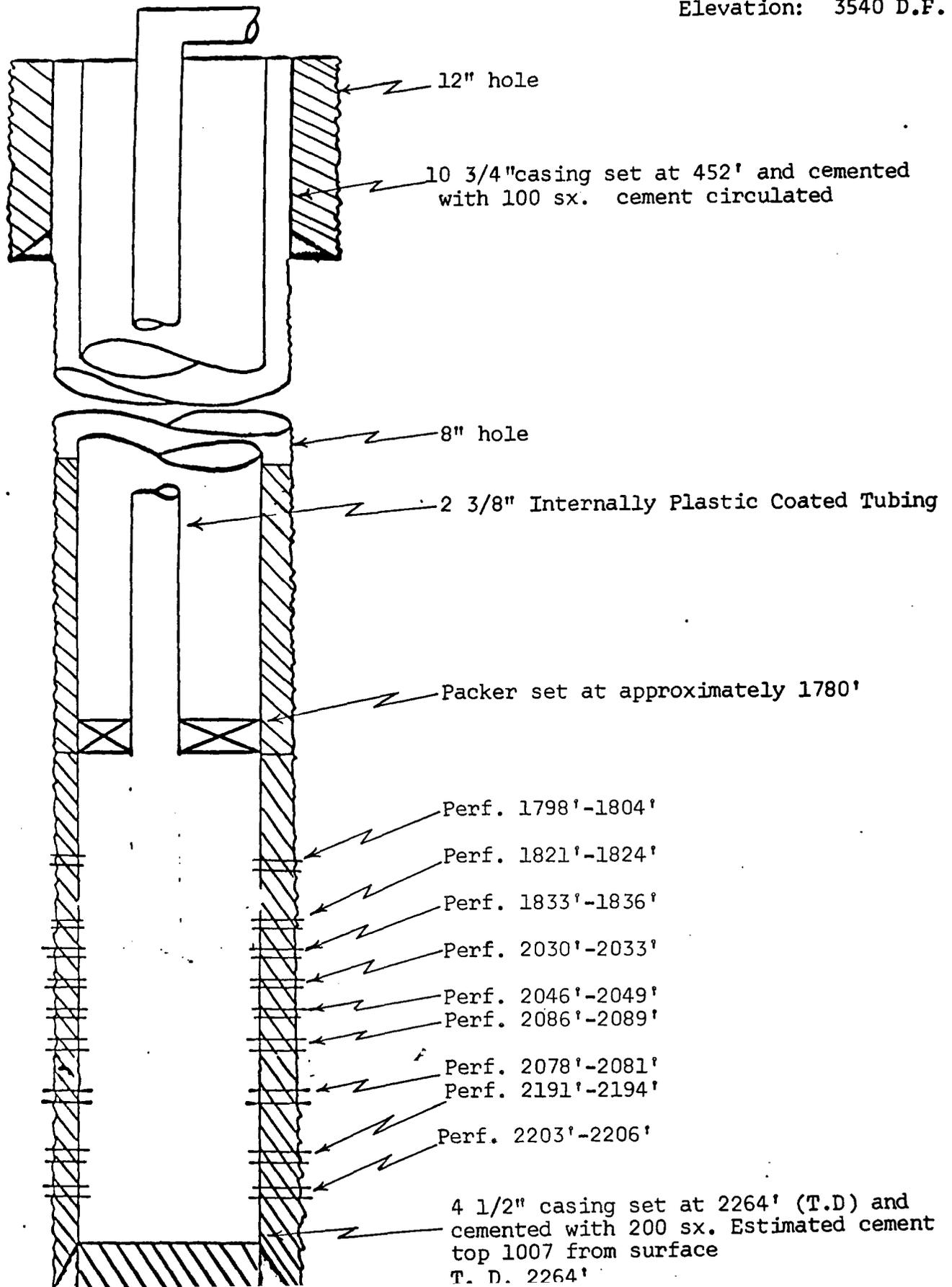
Proposed Well Condition  
State 648 Well No. 160

Elevation: 3442 G.L.



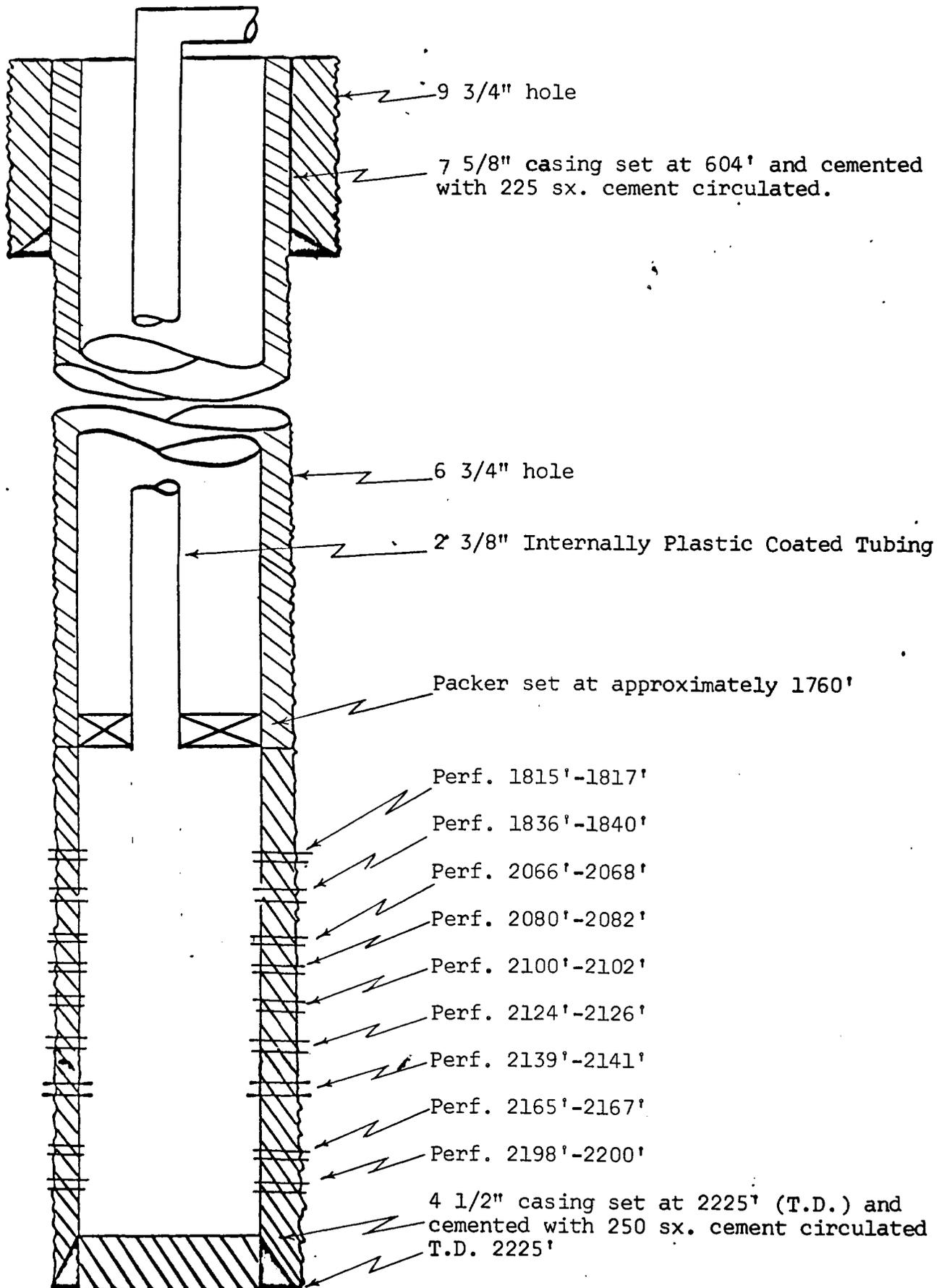
Proposed Well Condition  
State 648 Well No. 189

Elevation: 3540 D.F.

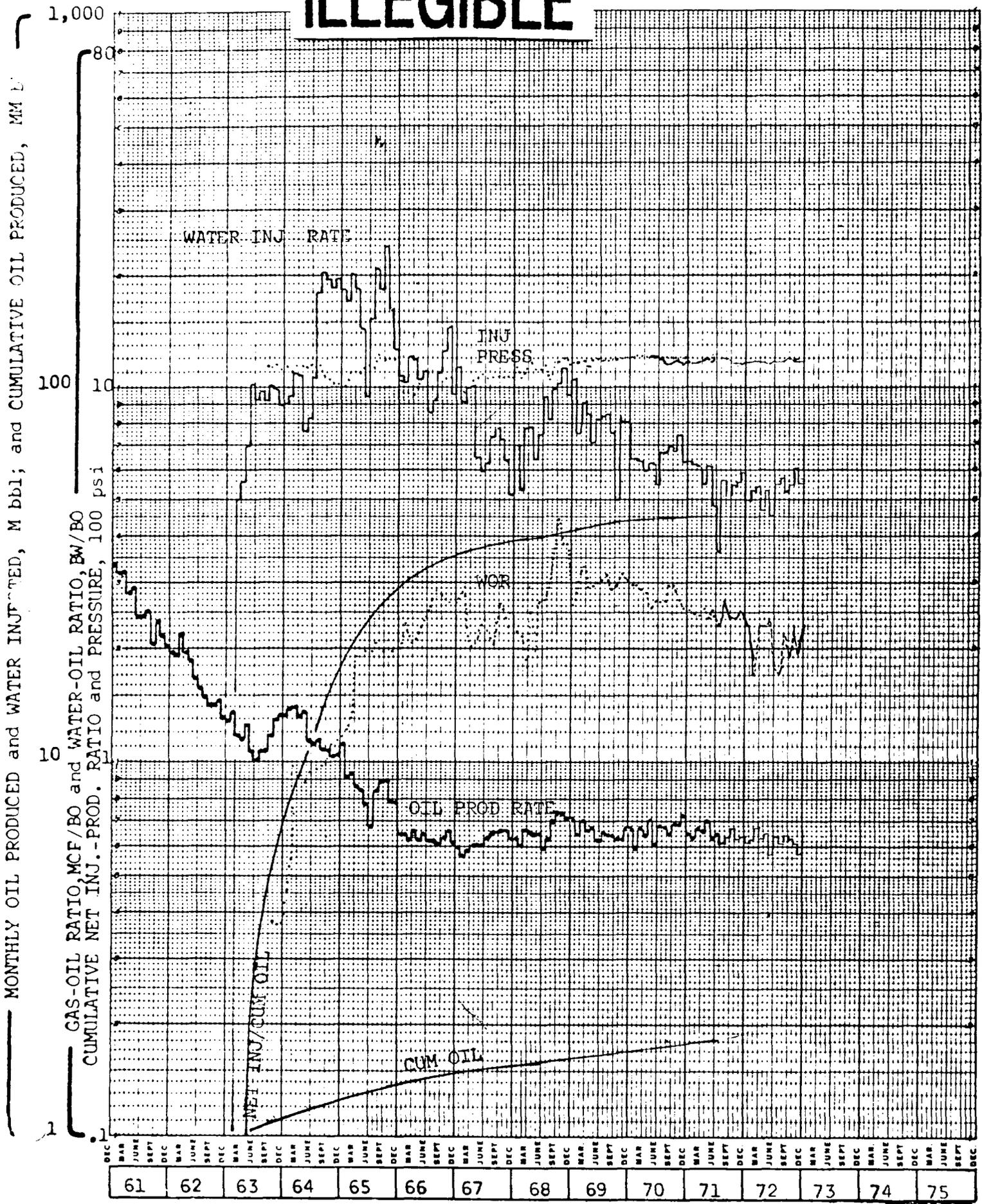


Proposed Well Condition  
State "BN" Well No. 2

Elevation: 3437 K.B.



# ILLEGIBLE



MONTHLY OIL PRODUCED and WATER INJECTED, M bbl; and CUMULATIVE OIL PRODUCED, MM bbl

GAS-OIL RATIO, MCF/BO and WATER-OIL RATIO, BW/BO  
 CUMULATIVE NET INJ. - PROD. RATIO and PRESSURE, 100 psi

DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
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DEPCO OPERATOR  
 MILLMAN, EAST FIELD

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