



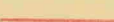


CONTINENTAL OIL COMPANY
 STRUCTURE MAP - EUMONT AREA
 Contoured on top of Yates

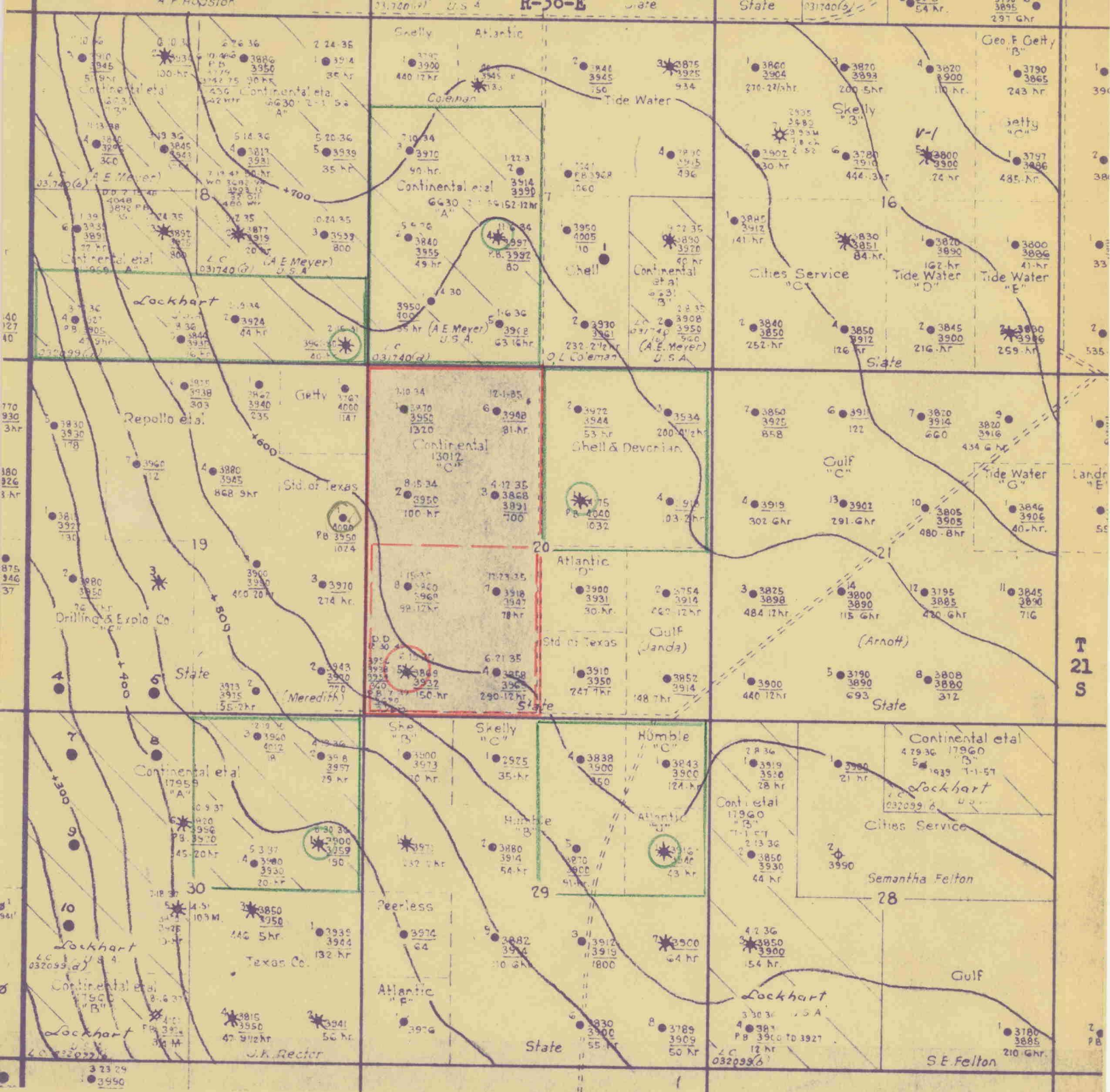
Contour Int: 50'
 Scale: 1" = 2000'

 Offset Gas Well
 Offset Gas Unit

 Subject Gas Well
 Present Gas Unit
 Proposed Gas Unit

April, 1957.

CASE
 EXHIBIT



BEFORE THE
 OIL CONSERVATION COMMISSION
 SANTA FE, NEW MEXICO
Contl EXHIBIT No. 1
 CASE 1259

CONTINENTAL OIL COMPANY
 STRUCTURE MAP - EUMONT AREA
 Contoured on top of Yates
 Contour Int: 50'
 Scale: 1" - 2000'

- Offset Gas Well
- Offset Gas Unit
- Subject Gas Well
- Present Gas Unit
- - - Proposed Gas Unit

April, 1957.

1259
 1

CASE
 EXHIBIT

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Summit Formation Yates - 7 Rivers County Lea
 Initial X Annual _____ Special _____ Date of Test 10-15-56
 Company Continental Oil Company Lease State O-20 Well No. 5
 Unit X Sec. 20 Twp. 21 Rge. 36 Purchaser _____
 Casing 5 1/2 Wt. _____ I.D. 17 Set at 3797 Perf. _____
 Tubing None Wt. _____ I.D. _____ Set at _____ Perf. _____
 Gas Pay: From 3210 To 3720 L 3210 x G .657 BGL 2109 \$/BSS 13.2
 Producing Thru: Casing X Tubing _____ Type Well Single
 Date of Completion: 7-21-49 Packer: None

BEFORE THE
 OIL CONSERVATION COMMISSION
 SANTA FE, NEW MEXICO
 Exhibit No. 7
1259
 CASE

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow hr.
	Prover Line Size	Choke Orifice Size	Press. psia	Diff. hw	Temp. °F.	Press. psia	Temp. °F.	
1.	2 x .250		666		76		1016	72
2.	2 x .375		409		77		666	24
3.	2 x .500		249		75		409	24
4.	2 x .625		157		74		249	24
5.							157	24

No.	Coefficient (24-Hour)	$\sqrt{h_{wpw}}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Pressure Factor F_p	Rate of Flow MCF/D @ 15.025 psia
1.	1.4030		679.2	.9850	.9571	1.066	958
2.	3.0691		422.2	.9840	.9571	1.037	1,265
3.	5.5233		262.2	.9859	.9571	1.022	1,397
4.	8.3555		170.2	.9868	.9571	1.014	1,362

Gas Liquid Hydrocarbon Ratio _____ Mol/ft³
 Gravity of Liquid Hydrocarbons _____ deg.
 Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 F_g .983 (1-g) 0.135 F_g 1029.2 1059.3

No.	F_w (psia)	F_c	$F_c^2 - F_w^2$	F_{c0}	$(F_{c0})^2$	$(F_{c0})^2 - F_w^2$	$F_{c0} - F_w$	$F_{c0}^2 - F_w^2$
1.	679.2	461.3	598.0	.918	.8427	.1138	461.4	597.9
2.	422.2	178.3	881.0	1.21	1.464	.1976	178.5	880.8
3.	262.2	68.7	990.6	1.34	1.796	.2425	68.9	990.4
4.	170.2	29.0	1030.3	1.31	1.716	.2317	29.2	1030.1

ILLEGIBLE

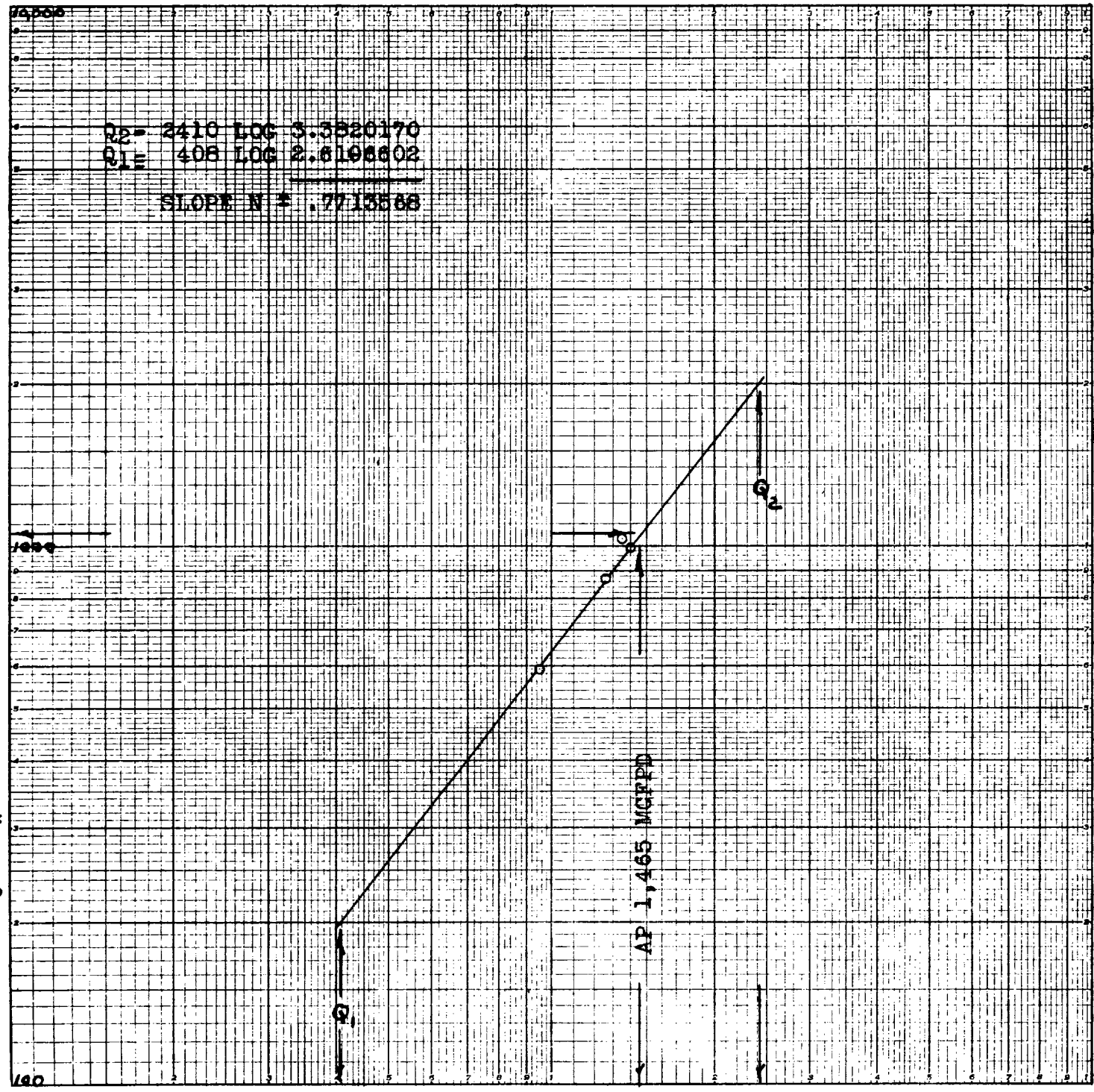
Wellhead Potential: 1,465 MCF/D; @ 52.5 nt .771
 of Potential: 1,465 MCF/D; @ 52.5 n .771
 Conducted by: Littlefield & Sout
 Witnessed by: _____
 Calculated by: Littlefield & South

CONTINENTAL OIL CO.
 STATE C-20 NO. 5
 SEC. 20 - 21 - 36
 LEA CO., N. M.
 10-15-1956.

CODING BOOK COMPANY, INC. NORWOOD, MASSACHUSETTS.
 PRINTED IN U. S. A.

NO. 31.291 LOGARITHMIC: 2 BY 2 3/4-INCH CYCLES (BASE SHORT WAY).

$P_C^2 - P_W^2$ (THSND S)



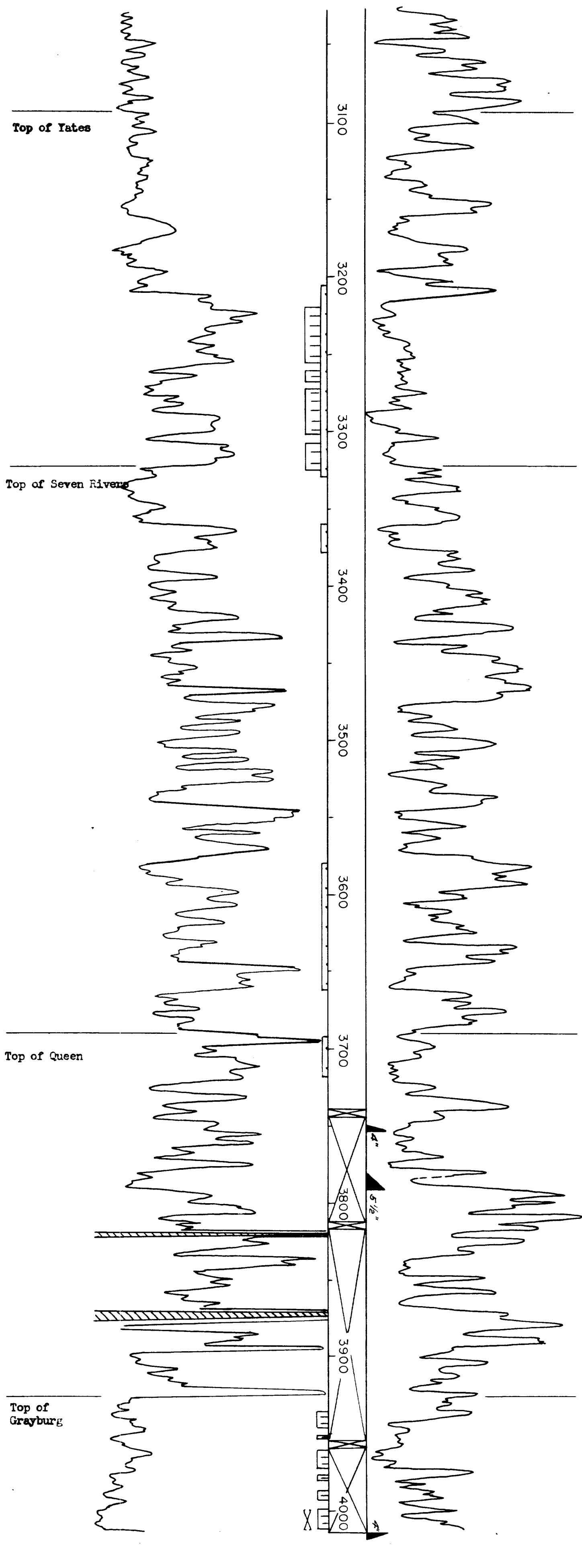
Q - MCFPD

Case 1259
 Exhibit 3

CONTINENTAL OIL COMPANY
 STATE C-20 NO.5

Elev: 3673'

BEFORE THE
 OIL CONSERVATION COMMISSION
 SANTA FE, NEW MEXICO
 EXHIBIT No. 3
 CASE 1259



10 3/4" csg @ 100' w/75 sx
 7 5/8" csg @ 1775' w/400 sx
 5 1/2" csg @ 3797' w/400 sx

Completed 6/13/35 @ TD 3932' for IP of 150 BOPH thru 5 1/2" csg with 22,240 MCF gas.

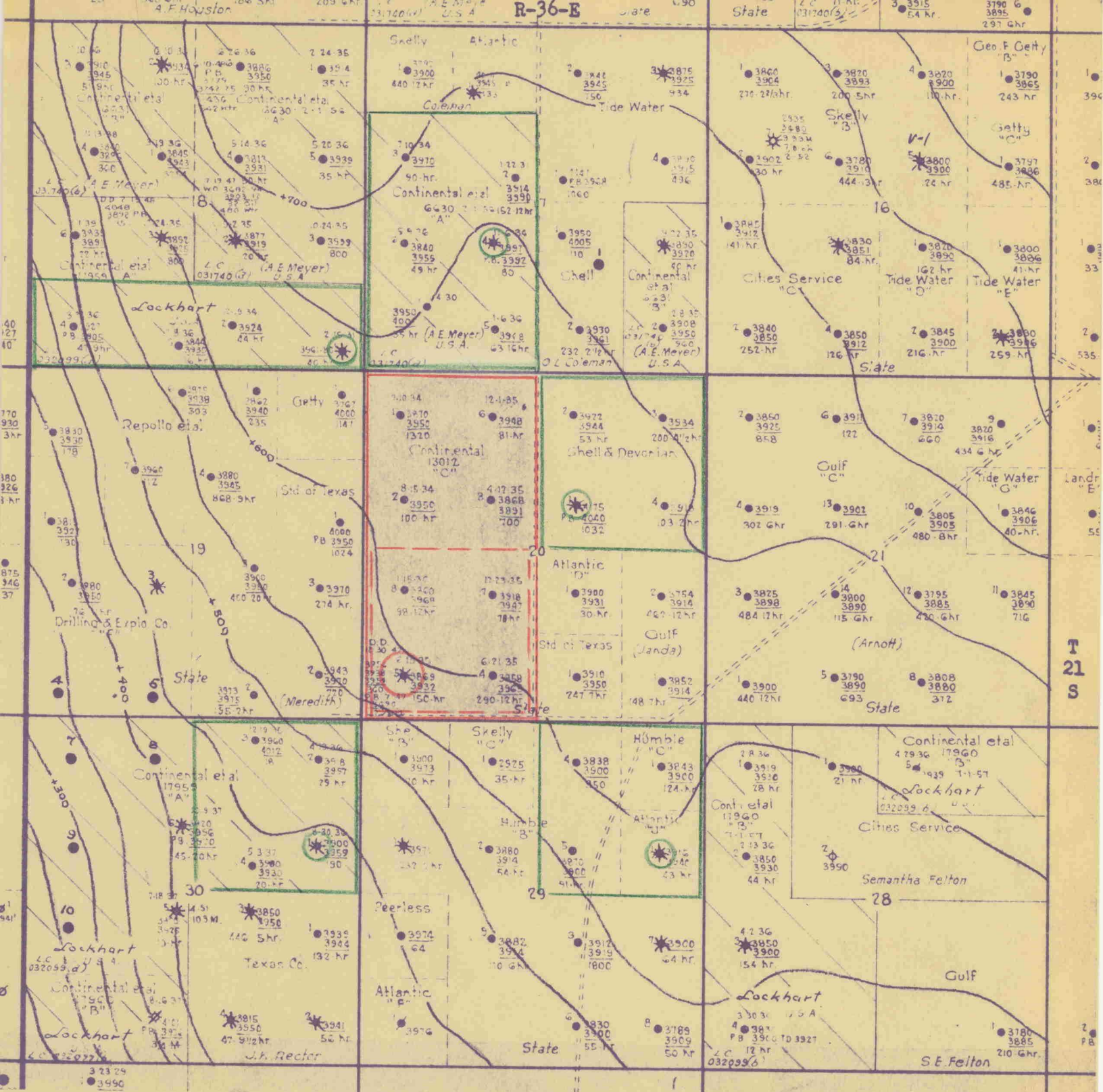
In Nov., '47, well was deepened to TD 4015' and 4" liner set on bottom. After selectively perforating, well was recompleted thru perforations from 3938' to 3954'

In July, '49, retainer was set @ 3812' with 50 sx. Well was again selectively perforated and retainers set @ 3880' w/25 sx, @ 3855' w/25 sx & @ 3740' w/25 sx.

Casing was perforated with 1 shot/ft:
 3690-3720 3360-3375
 3580-3663 3210-3330.
 with 4 shots/ft:
 3307-3325 3262-3268
 3272-3302 3220-3256.

Recompleted @ PB 3740' as gas well for IP of 2520 MCF sweet gas per day, with SIP 1165.2 psi.

Work completed: 7-24-49. Back-pressure test: 7-29-49.



CONTINENTAL OIL COMPANY
 STRUCTURE MAP - EUMONT AREA
 Contoured on top of Yates

Contour Int: 50'
 Scale: 1" = 2000'

○ Offset Gas Well
 — Offset Gas Unit

○ Subject Gas Well
 --- Present Gas Unit
 --- Proposed Gas Unit

April, 1957.

1259 CASE
 1 EXHIBIT

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Esmont Formation Yates - 7 Rivers County Lee
 Initial X Annual _____ Special _____ Date of Test 10-15-56
 Company Continental Oil Company Lease State 0-20 Well No. 5
 Unit N Sec. 20 Twp. 21 Rge. 36 Purchaser _____
 Casing 5 1/2 Wt. _____ I.D. 17 Set at 3797 Perf. _____ To _____
 Tubing None Wt. _____ I.D. _____ Set at _____ Perf. _____ To _____
 Gas Pay: From 3210 To 3720 L 3210 x G .657 = GL 2109 Bar. Press. 13.2
 Producing Thru: Casing X Tubing _____ Type Well Single
 Single - Bradenhead - G. G. or G. O. Dun
 Date of Completion: 7-24-49 Packer: None

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow hr.
	Flow Line Size	Choke Orifice Size	Press. psig	Diff. hw	Temp. °F.	Press. psig	Temp. °F.	
1.	2 x .250		666		76		1016	72
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Gas Liquid Hydrocarbon Ratio _____ Mol/zt.
 Gravity of Liquid Hydrocarbons _____ deg.
 Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
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No.	F_w (psia)	P_c	$P_c^2 - F_w^2$	F_w/P_c	$(F_w/P_c)^2$	$(F_w/P_c)^2 - 1$	P_c^2	$P_c^2 - F_w^2$
1.	679.2	461.3	598.0	.918	.8427	.1138	461.4	597.9
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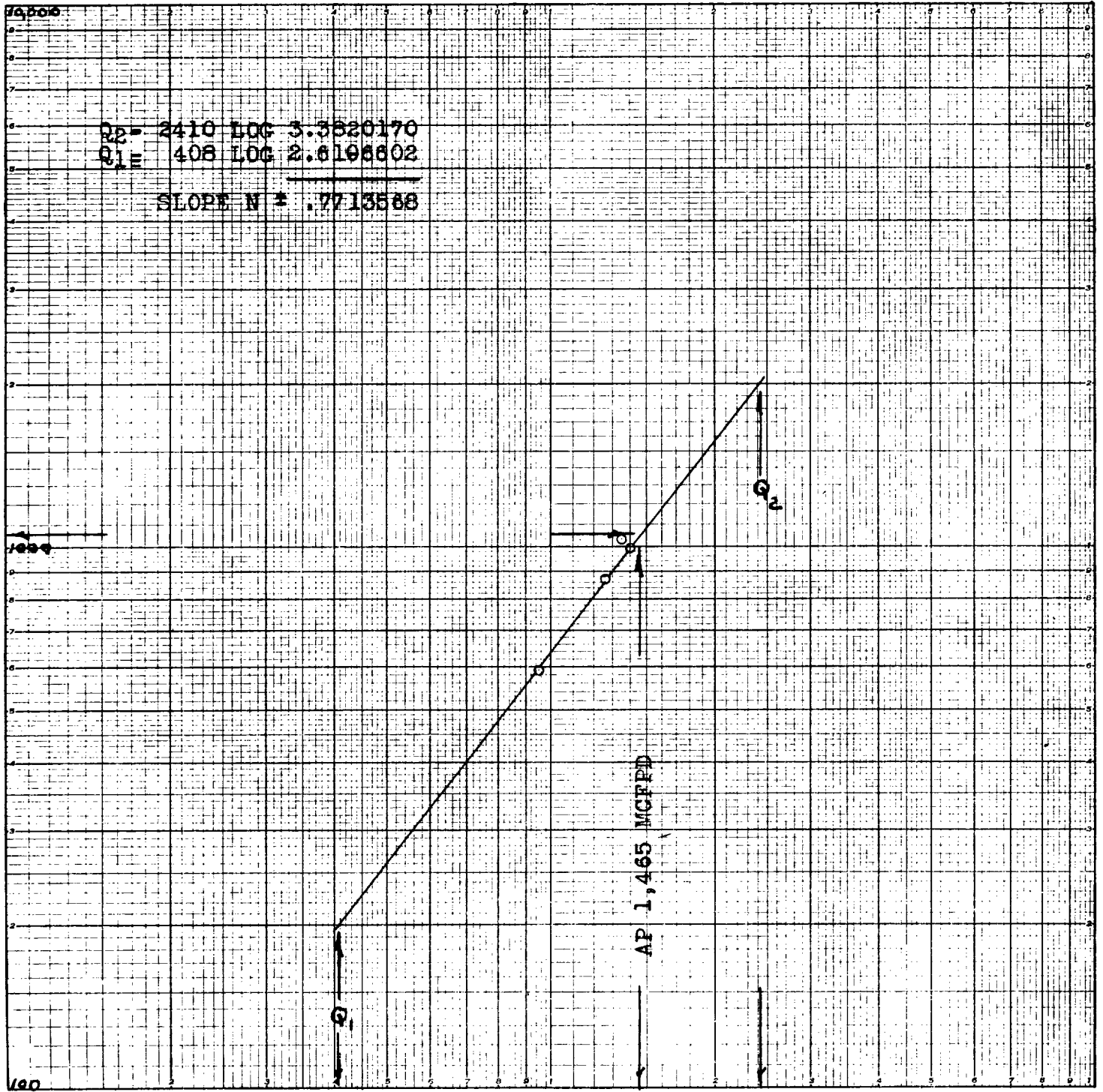
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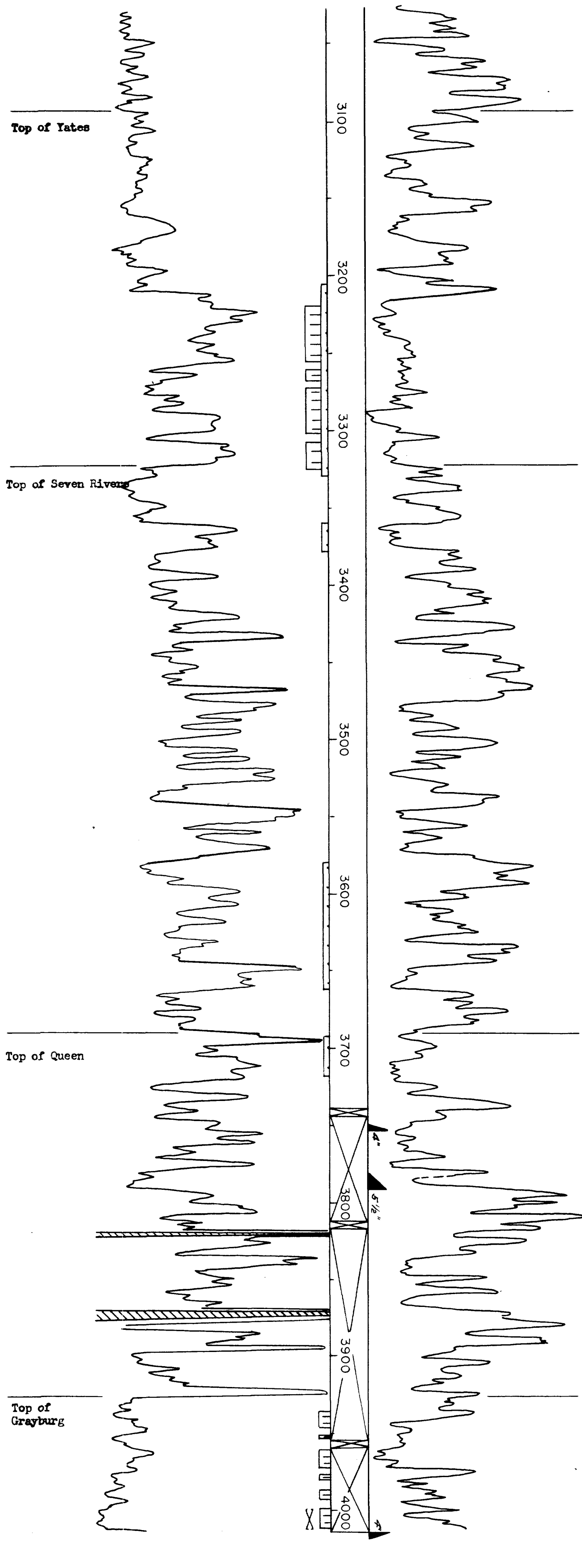


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