



CATAMOUNT ENERGY PARTNERS

Scale 1:240 (5"=100') Imperial

Well Name: **CAMPBELL 33-7-4 1H LAT #2**
Location: **S3 T33N R7W**
Licence Number: **05067099020200**
Spud Date: **6/10/14**
Surface Coordinates: **989 FSL 1178 FWL**

Region: **IGNACIO**
Drilling Completed:

Bottom Hole Coordinates

Ground Elevation (ft): **6692**
Logged Interval (ft): **3570** To: **K.B. Elevation (ft): 6705**
Formation: **FRUITLAND COAL** Total Depth (ft):
Type of Drilling Fluid: **BRINE WATER**

Printed by HORIZONTAL.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: **CATAMOUNT ENERGY PARTNERS**
Address: **1801 BROADWAY STE 1000**
DENVER CO 80202

GEOLOGIST




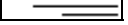

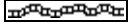


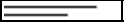
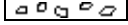

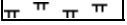





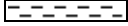

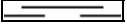

Name: **NOLAN REDMOND AND JOE NICOLETTE**
Company: **CATAMOUNT ENERGY PARTNERS**
Address: **1801 BROADWAY STE 1000**
DENVER CO 80202

Cores

























































DSTs

Comments






















ROCK TYPES

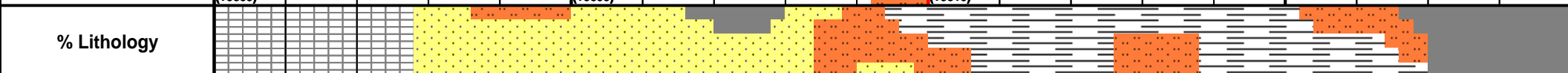
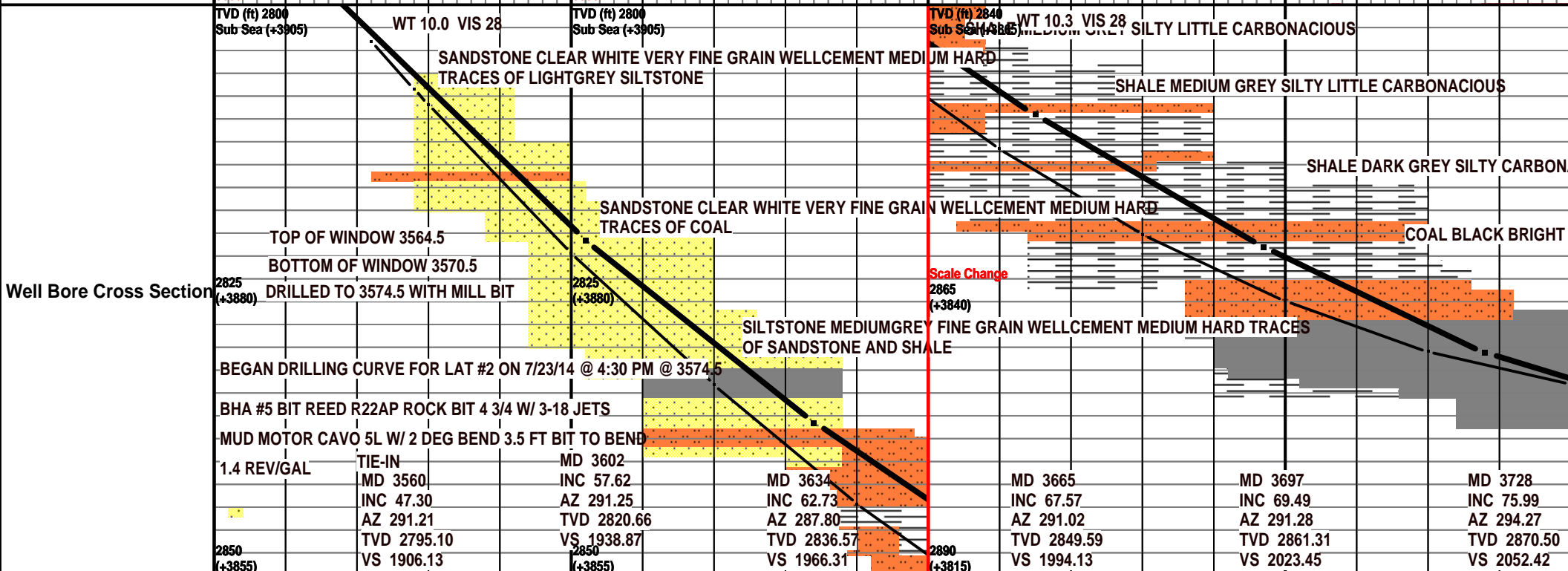
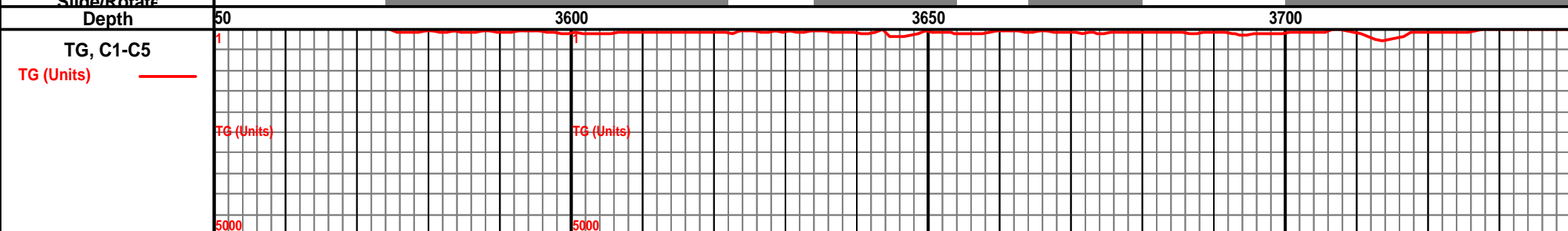
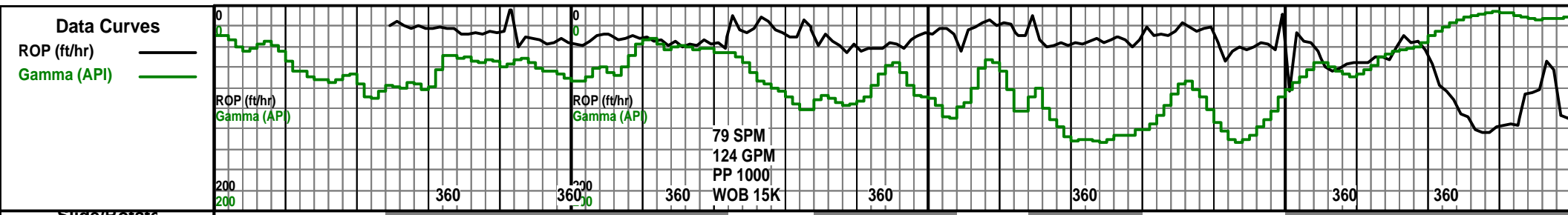
	Anhy		Coal		Lmst		Shcol		Coal
	Bent		Congl		Meta		Shgy		
	Brec		Dol		Mrlst		Sltst		
	Cht		Gyp		Salt		Ss		
	Clyst		Igne		Shale		Till		

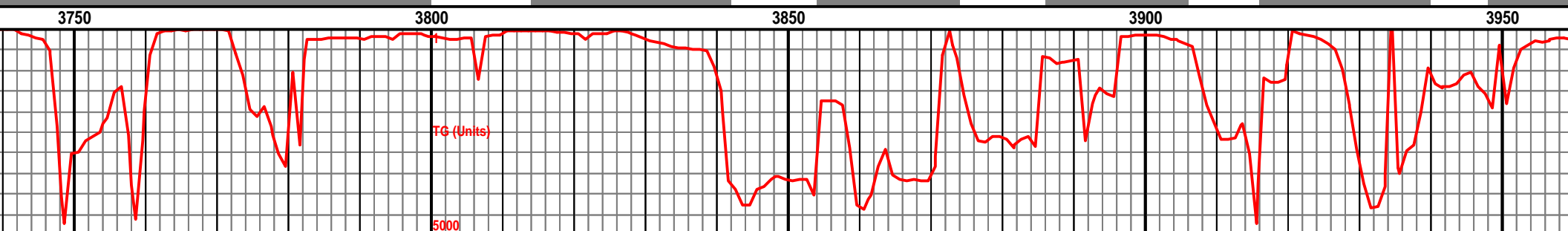
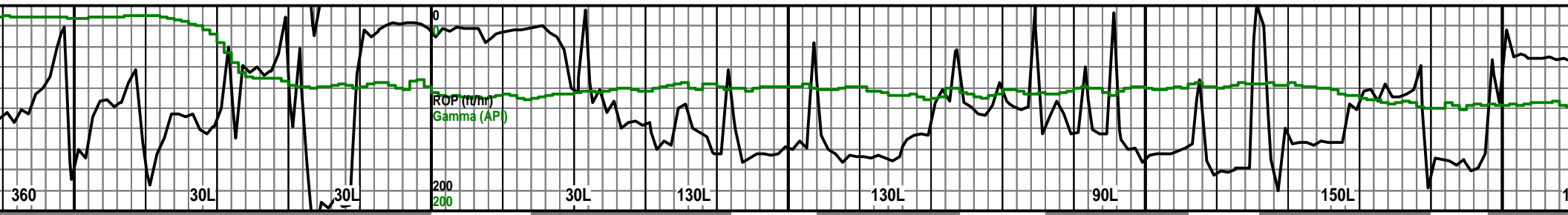
ACCESSORIES

MINERAL		Gyp	FOSSIL		Ostra		Sltstrg
	Anhy		Hvymin		Pelec		Ssstrg
	Arggrn		Kaol		Pellet		
	Arg		Marl		Pisolite		
	Bent		Minxl		Plant	TEXTURE	
	Bit		Nodule		Strom		Boundst
	Brecfrag		Phos				Chalky
	Calc		Pyr	STRINGER			Cryxln
	Carb		Salt		Anhy		Earthy
	Chtdk		Sandy		Arg		Finexln
	Chtlt		Silt		Bent		Grainst
	Dol		Sil		Coal		Lithogr
	Feldspar		Sulphur		Dol		Microxln
	Ferrpel		Tuff		Gyp		Mudst
	Ferr				Ls		Packst
	Glau				Mrst		Wackst

OTHER SYMBOLS

POROSITY		Vuggy	ROUNDING		Spotted	EVENT		
	Earthy			Rounded		Ques		Rft
	Fenest	SORTING		Subrnd		Dead		Sidewall
	Fracture		Well		Subang			
	Inter		Moderate		Angular	INTERVAL		
	Moldic		Poor				Core	
	Organic			OIL SHOW			Dst	
	Pinpoint				Even			



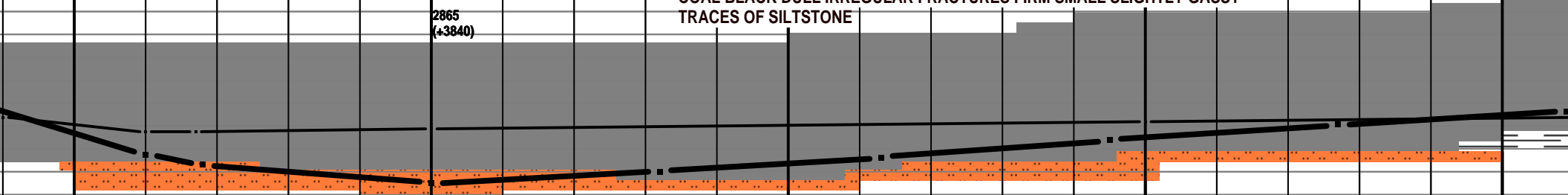


WT 10.3 VISC 28 TVD (ft) 2840 WT 10.2 VIS 29
 Sub Sea (+3865)

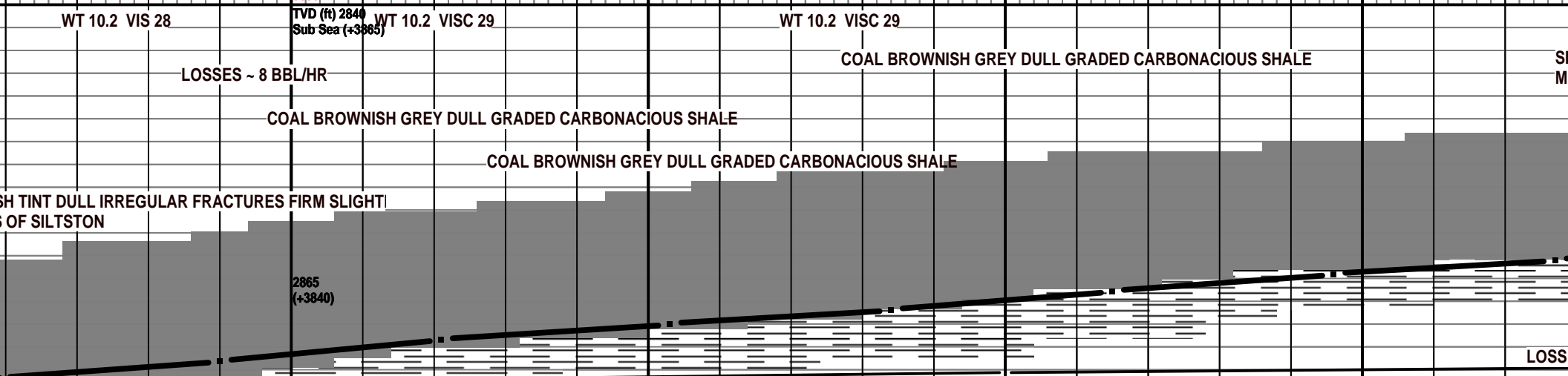
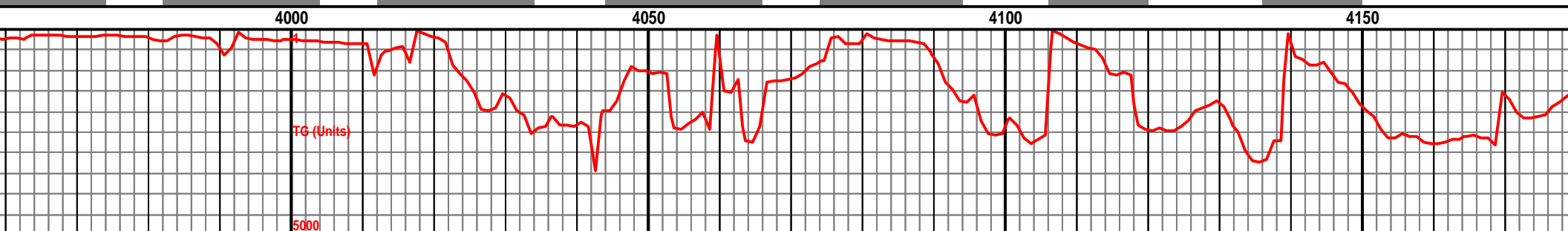
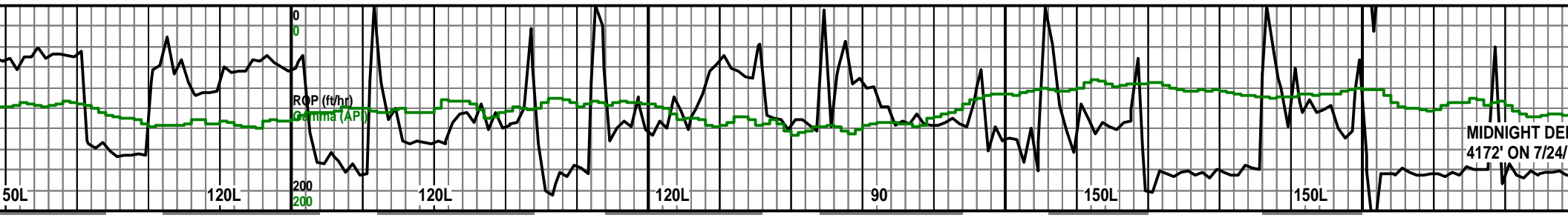
WT 10.2 VISC 28
 DEPTH NOT TRACKING 3781-3790, RELOG SECTION

FINISH CURVE ON 7/24/14 @ 1:45 AM, TOO HIGH FOR CURVE BHA

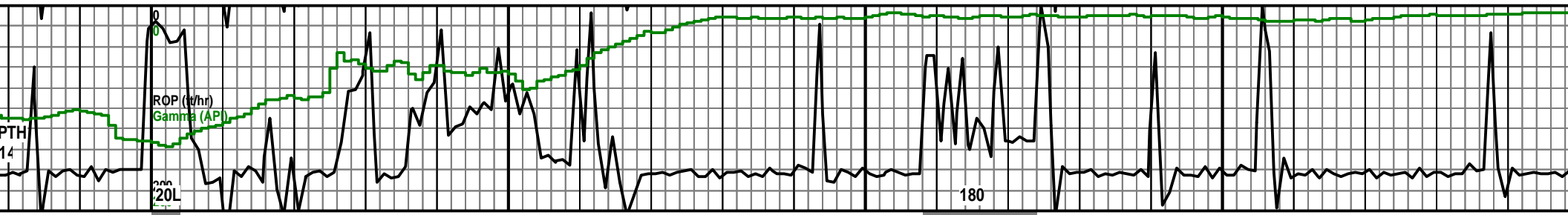
ACIOUS SILTSTONE LIGHTGREY BROWN OCCASIONAL SANDY WELLCEMENT MEDIUM HARD
 SHINY GOOD CLEATING FIRM BLOCKY DISORBITING G/ COAL BLACK DULL IRREGULAR FRACTURES FIRM TRACES OF SILTSTONE
 COAL BLACK DULL IRREGULAR FRACTURES FIRM TRACES OF SILTSTONE COAL BLACK BROWNIS GASSY SMALL TRACES



MD 3760	MD 3768	MD 3800	MD 3832	MD 3863	MD 3895	MD 3927	MD
INC 82.62	INC 83.27	INC 91.11	INC 92.35	INC 92.32	INC 93.19	INC 91.64	INC
AZ 296.28	AZ 295.33	AZ 294.67	AZ 292.45	AZ 289.93	AZ 291.25	AZ 289.97	AZ
TVD 2876.44	TVD 2877.42	TVD 2878.99	TVD 2878.02	TVD 2876.76	TVD 2875.22	TVD 2873.87	TVD
VS 2082.88	VS 2090.56	VS 2131.55	VS 2152.78	VS 2183.27	VS 2214.79	VS 2246.32	VS



MD 3959	MD 3990	MD 4021	MD 4053	MD 4084	MD 4115	MD 4146	MD 4172
INC 92.22	INC 93.36	INC 93.73	INC 91.18	INC 93.26	INC 92.86	INC 92.59	INC 92.22
AZ 288.86	AZ 286.31	AZ 284.46	AZ 279.51	AZ 277.51	AZ 274.05	AZ 273.01	AZ 272.22
TVD 2872.79	TVD 2871.29	TVD 2869.37	TVD 2868.00	TVD 2866.80	TVD 2865.15	TVD 2863.67	TVD 2862.22
VS 2277.96	VS 2308.72	VS 2339.58	VS 2371.53	VS 2402.47	VS 2433.29	VS 2463.99	VS 2494.77

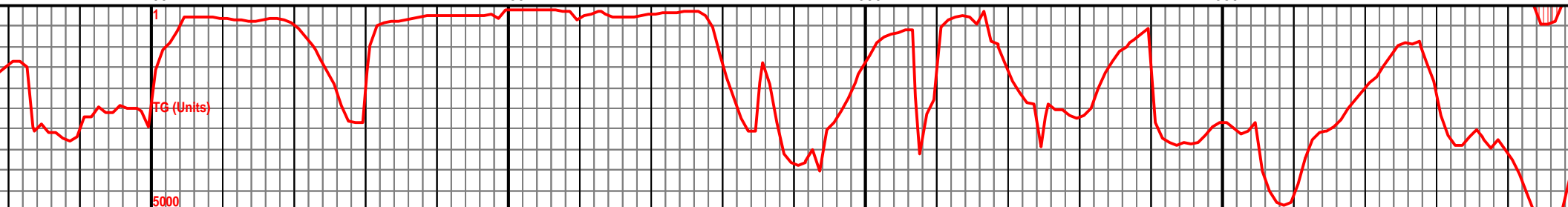


4200

4250

4300

4350



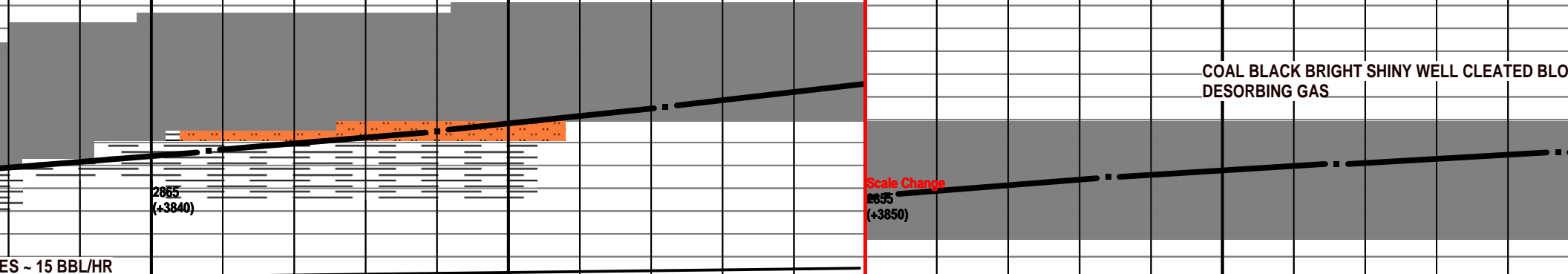
TVD (ft) 2840
Sub Sea (+3865)

TVD (ft) 2830
Sub Sea (+3875)

LTSTONE BROWN GRADED TO VERY FINE SANDSTONE ANGULA
MEDIUMHARD ABUNDANT COAL IN SAMPL

COAL BLACK BRIGHT SHINY WELL CLEATED BLOCKY SMOOTH FIRM
DESORBING GAS

COAL BLACK BRIGHT SHINY WELL CLEATED BLO
DESORBING GAS



MD 4208
INC 93.26
AZ 271.65
TVD 2860.78
VS 2525.18

MD 4240
INC 94.18
AZ 271.21
TVD 2858.97
VS 2556.67

MD 4272
INC 94.70
AZ 271.6
TVD 2856.91
VS 2588.15

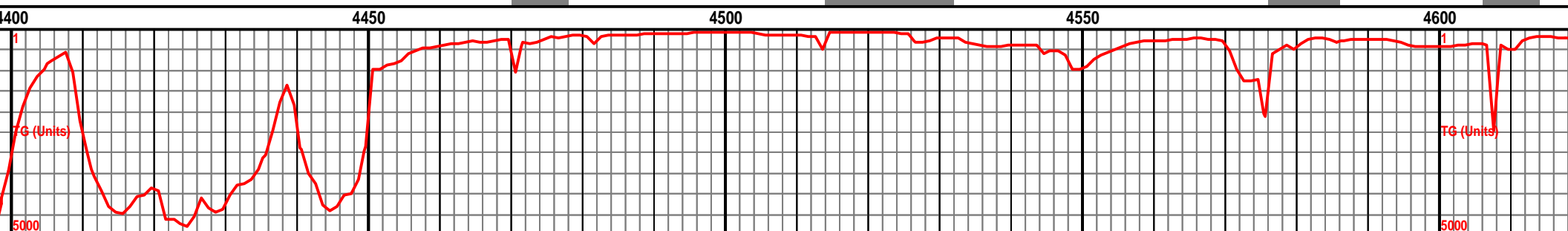
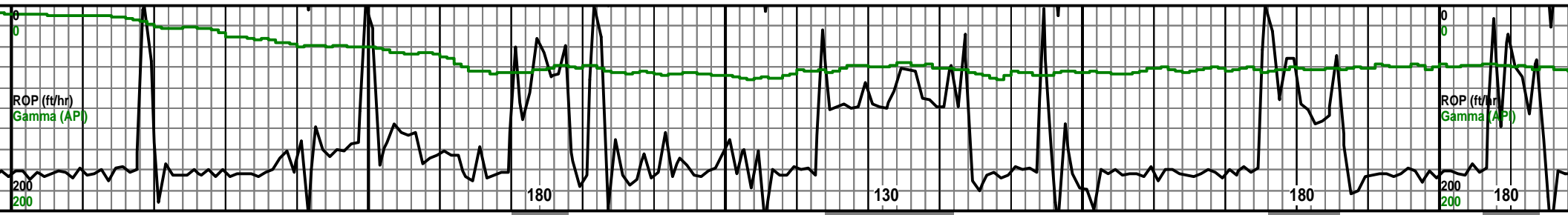
MD 4303
INC 94.44
AZ 271.42
TVD 2854.60
VS 2581.54

MD 4334
INC 91.71
AZ 271.79
TVD 2852.94
VS 2649.17

MD 4366
INC 91.95
AZ 271.68
TVD 2851.91
VS 2680.73

MD 4397
INC 91.9
AZ 271.6
TVD 2851.91
VS 2711

71
42
05
32.32
4.62



TVD (ft) 2830
Sub Sea (+3875)

LOSSES ~ 30 BBL/HR

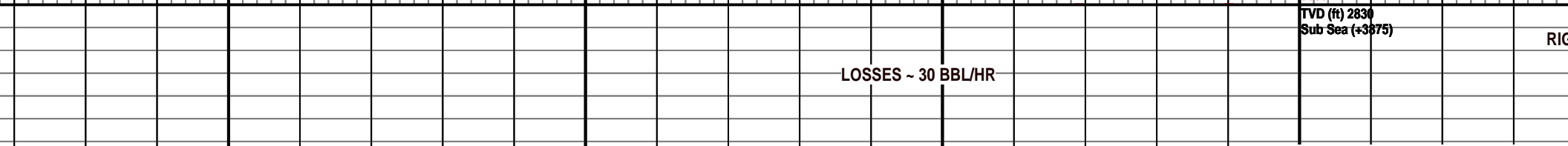
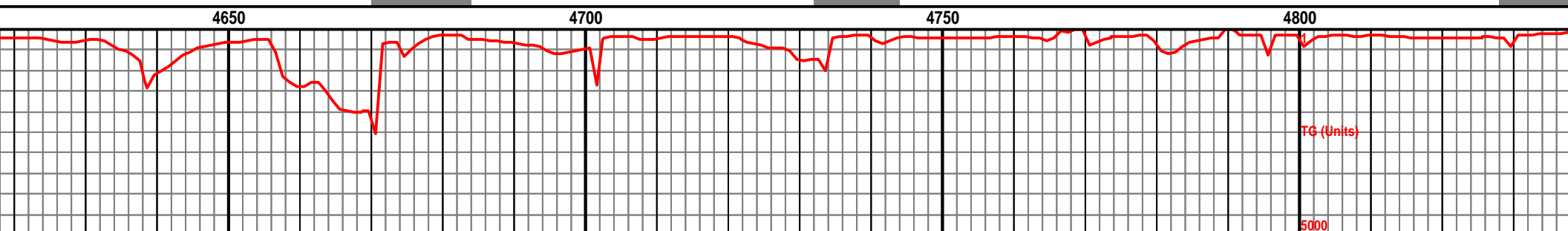
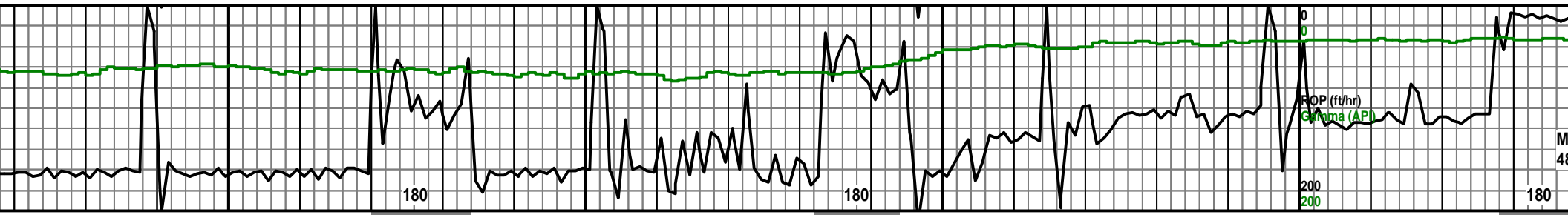
LOSSES ~ 30 BBL/HR

CKY SMOOTH FIR COAL DARKGREY GRAINY FIRM GRADED TO SHAL

2855 (+3850)

MD 4429	MD 4460	MD 4491	MD 4523	MD 4554	MD 4586	MD 4617
INC 91.98	INC 91.98	INC 91.21	INC 90.30	INC 90.27	INC 89.53	INC 88.79
AZ 270.48	AZ 269.66	AZ 269.90	AZ 270.96	AZ 271.93	AZ 271.83	AZ 271.73
TVD 2849.76	TVD 2848.69	TVD 2847.83	TVD 2847.41	TVD 2847.25	TVD 2847.31	TVD 2847.18
VS 2742.79	VS 2773.20	VS 2803.59	VS 2835.03	VS 2865.60	VS 2897.18	VS 2928.76

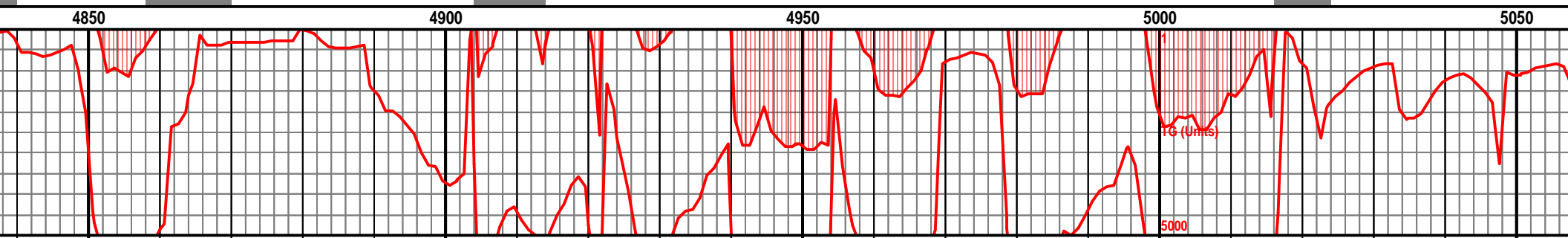
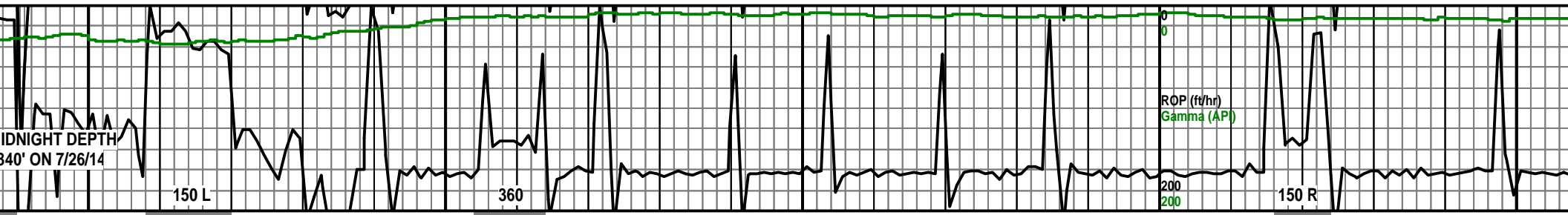
2880 (+3825)



E DARKGREY FIR COAL DARKGREY GRAINY FIRM GRADED TO SHALE DARKGREY FIRM COAL BLACK GRAINY SOME SANDST CEMENT

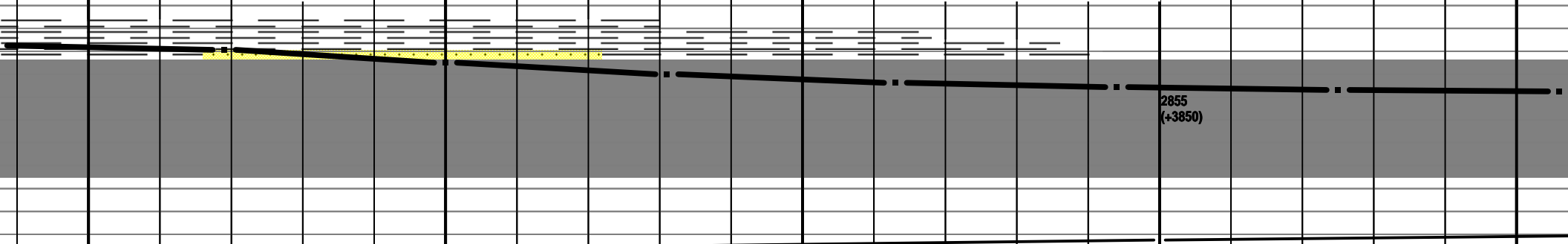
LOSSES ~ 30 BBL/HR

617	MD 4649	MD 4680	MD 4711	MD 4743	MD 4774	MD 4806	MD 4837
88.89	INC 89.73	INC 88.86	INC 89.97	INC 88.46	INC 89.53	INC 90.67	INC 90.10
72.04	AZ 272.46	AZ 272.04	AZ 272.92	AZ 272.24	AZ 272.24	AZ 272.59	AZ 272.00
2847.74	TVD 2848.12	TVD 2848.50	TVD 2848.81	TVD 2849.25	TVD 2849.79	TVD 2849.75	TVD 2849.75
927.79	VS 2959.41	VS 2990.04	VS 3020.68	VS 3052.33	VS 3082.96	VS 3082.96	VS 3145.00



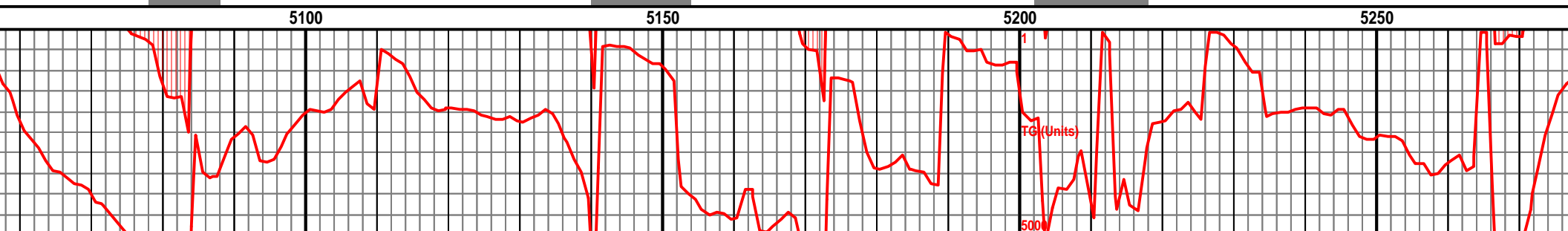
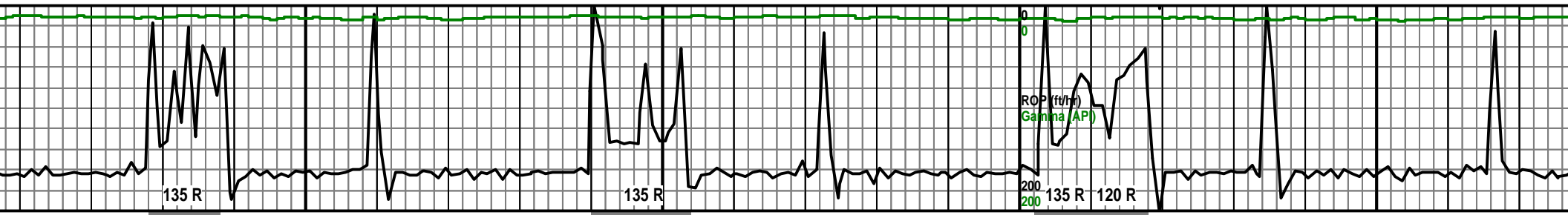
G BROKE DOWN @ 4840', TOO H TO CASING AND REPAIR STANDPIF
 DOWN FROM 12 PM ON 7/25/14-7:30 AM ON 7/26/14
 LOSSES ~ 35 BBL/HR
 LOSSES ~ 50 BBL/HR

ONE FINEGRAIN CLEAR TO WHITE WEL COAL BLACK SHINY SOME SANDSTONE FINEGRAIN CLEAR TO WHITE WELL
 CEMENT
 COAL BLACK SHINY CLEATED GASSY
 WT 10 H



	MD 4869	MD 4900	MD 4931	MD 4963	MD 4994	MD 5025	MD 5050
	INC 88.62	INC 87.48	INC 88.56	INC 88.96	INC 89.60	INC 89.43	INC 89.43
	AZ 271.27	AZ 269.45	AZ 269.72	AZ 269.38	AZ 269.53	AZ 269.22	AZ 269.22
9.54	TVD 2849.90	TVD 2850.95	TVD 2852.02	TVD 2852.72	TVD 2853.11	TVD 2853.37	TVD 2853.37
24	VS 3176.80	VS 3207.24	VS 3237.60	VS 3268.95	VS 3299.31	VS 3329.67	VS 3329.67

2880
 (+3825)



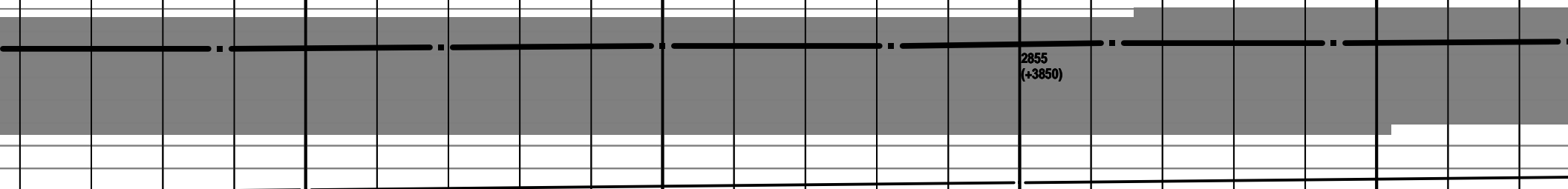
TVD (ft) 2830
Sub Sea (+3875)

LOSSES ~ 60 BBL/HR

HEAVY VIS 2%

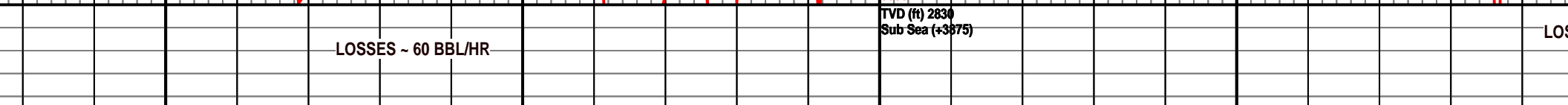
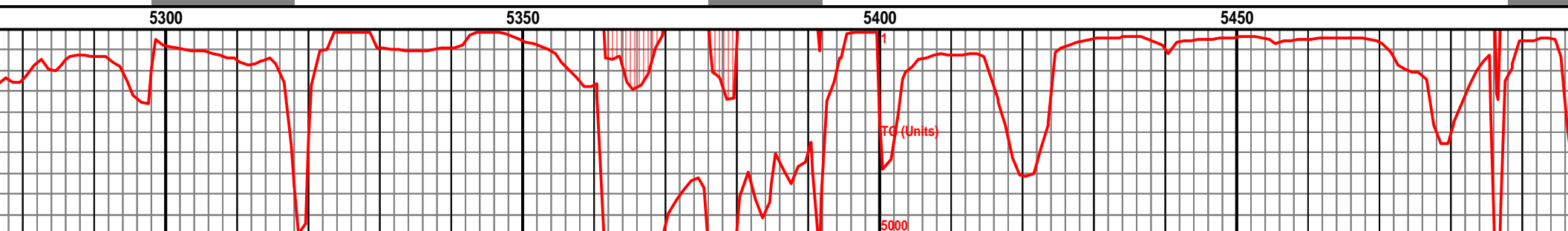
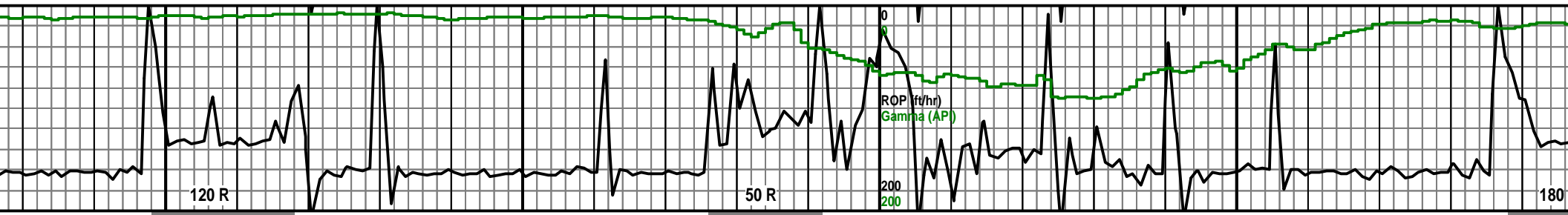
COAL BLACK SHINY GOOD CLEATING LITTLE GASSY

COAL BLACK



MD 5056	MD 5088	MD 5119	MD 5150	MD 5182	MD 5213	MD 5245	MD 5276
INC 90.27	INC 89.80	INC 90.60	INC 89.70	INC 90.47	INC 90.27	INC 89.90	INC 89.90
AZ 269.09	AZ 269.43	AZ 269.07	AZ 269.98	AZ 269.13	AZ 269.46	AZ 268.88	AZ 268.88
TVD 2853.45	TVD 2853.44	TVD 2853.33	TVD 2853.24	TVD 2853.20	TVD 2853.00	TVD 2852.95	TVD 2852.95
VS 360.00	VS 3391.32	VS 3421.67	VS 3451.98	VS 3483.28	VS 3513.63	VS 3544.94	VS 3544.94

2880
(+3825)



LOSSES ~ 60 BBL/HR

WT 10 VIS 29

WT 10 VIS 28

COAL BLACK SHINY SOME CLEATING LITTLE GASS

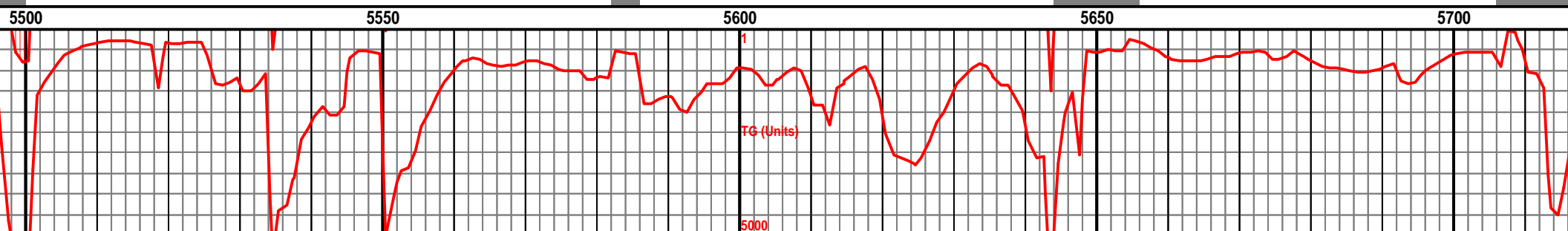
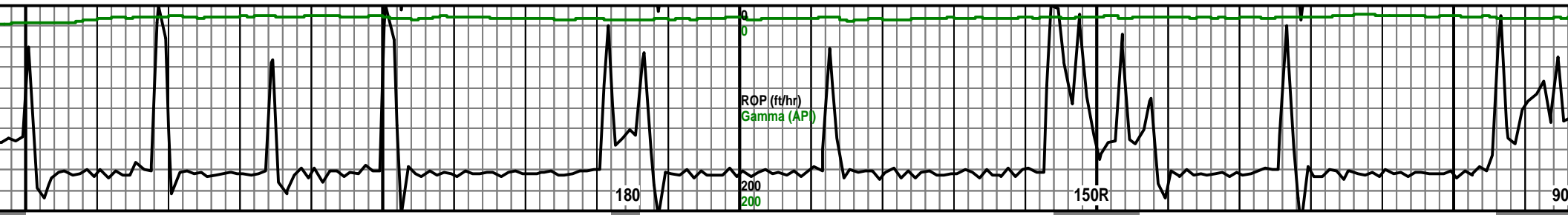
COAL BLACK SHINY SOME CLEATING GASSY

COAL BLACK SHINY IRREGULAR FRACTURE SAMPLE



MD 5277	MD 5308	MD 5339	MD 5370	MD 5402	MD 5434	MD 5466	MD 5498
INC 90.54	INC 88.46	INC 87.05	INC 86.94	INC 88.69	INC 90.71	INC 92.35	INC 94.00
AZ 267.77	AZ 267.23	AZ 268.15	AZ 267.64	AZ 271.62	AZ 272.15	AZ 274.53	AZ 277.00
TVD 2852.83	TVD 2853.10	TVD 2854.32	TVD 2855.94	TVD 2857.16	TVD 2857.33	TVD 2856.48	TVD 2855.00
VS 3576.15	VS 3606.28	VS 3636.42	VS 3666.56	VS 3697.89	VS 3729.48	VS 3761.17	VS 3792.00





LOSSES ~ 60 BBL/HR

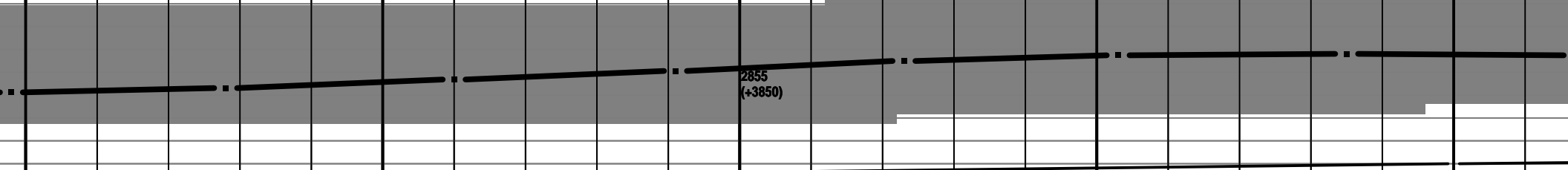
TVD (ft) 2830
Sub Sea (+3875)

LOSSES ~ 70 BBL/HR

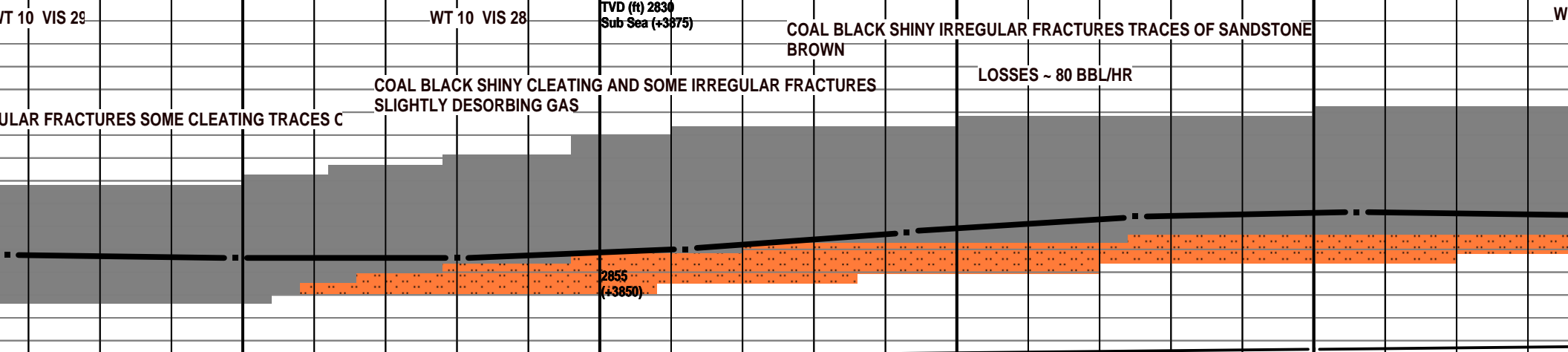
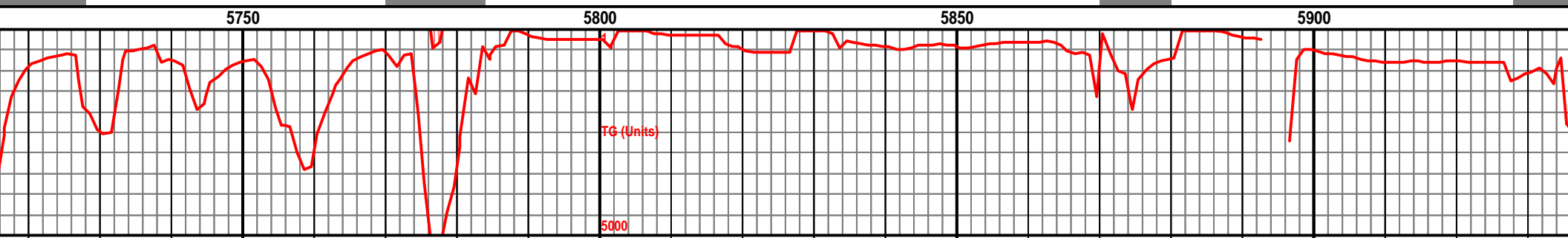
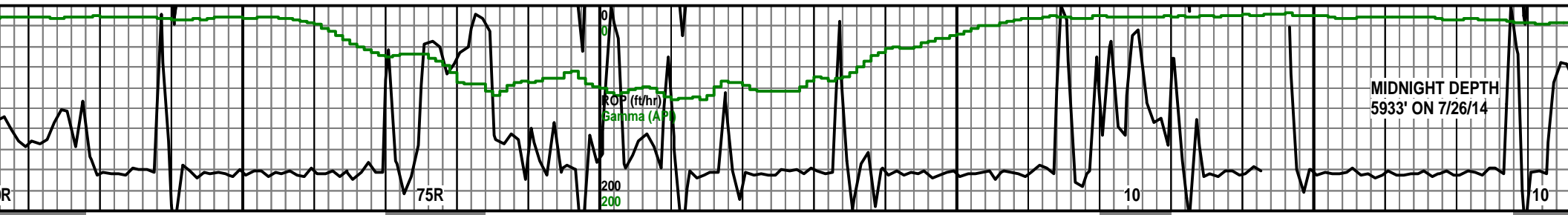
WT 10 VIS 28

COAL BLACK SHINY IRREGULAR FRACTURES SOME CLEATING TRACES OF SILTSTONE

COAL BLACK SHINY IRREG SILTSTONE

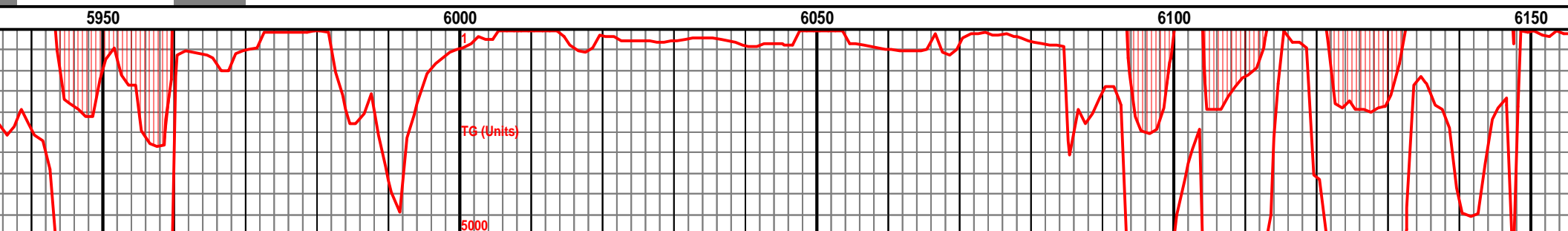
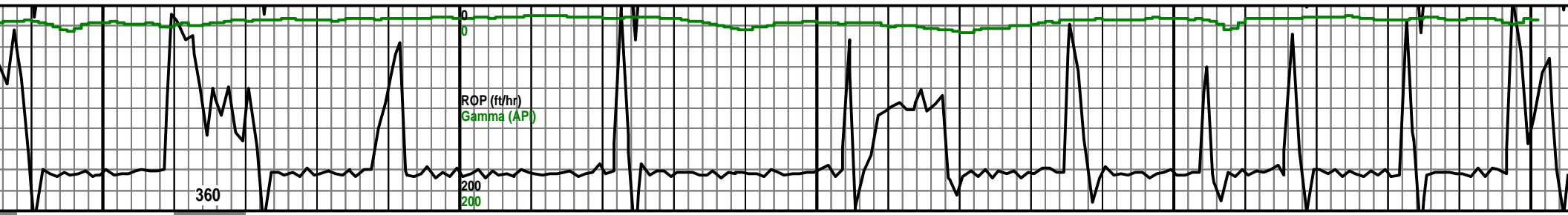


D 5498	MD 5528	MD 5560	MD 5591	MD 5623	MD 5653	MD 5685	MD
C 90.37	INC 91.14	INC 91.21	INC 91.61	INC 91.81	INC 90.10	INC 90.00	INC
Z 272.57	AZ 271.14	AZ 270.59	AZ 269.56	AZ 268.89	AZ 267.69	AZ 266.89	AZ
TVD 2855.72	TVD 2855.32	TVD 2854.66	TVD 2853.90	TVD 2852.95	TVD 2852.45	TVD 2852.42	TVD
S 3792.89	VS 3822.50	VS 3853.98	VS 3884.41	VS 3915.71	VS 3944.96	VS 3976.04	VS



MD 5717	MD 5749	MD 5780	MD 5812	MD 5843	MD 5875	MD 5906	MD
INC 89.66	INC 89.36	INC 90.74	INC 92.12	INC 93.49	INC 91.27	INC 89.83	INC
AZ 268.27	AZ 268.38	AZ 271.02	AZ 273.00	AZ 273.65	AZ 272.66	AZ 271.84	AZ
TVD 2852.51	TVD 2852.78	TVD 2852.76	TVD 2851.96	TVD 2850.44	TVD 2849.11	TVD 2848.81	TVD
VS 4007.16	VS 4038.37	VS 4068.75	VS 4100.34	VS 4131.02	VS 4162.69	VS 4193.32	VS





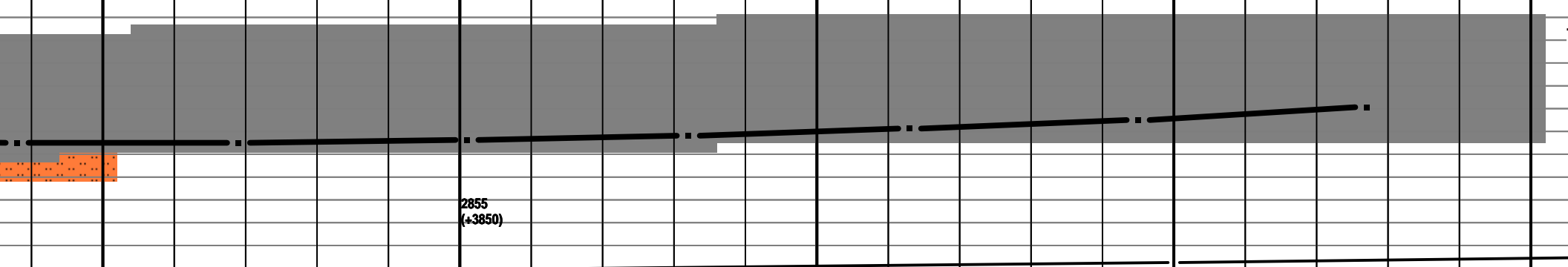
T 10.1 VIS 2E

LOSSES ~ 80 BBL/HR

LOSSES ~ 90 BBL/HR

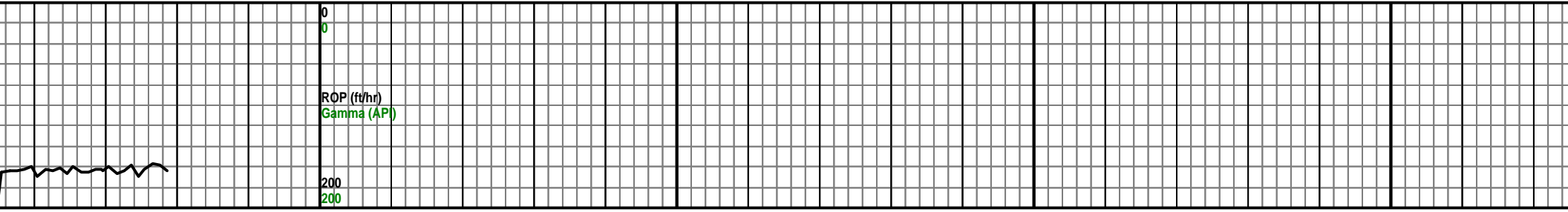
COAL BLACK BRIGHT SHINY SMOOTH BLOCKY WELL CLEATED FIRM

COAL BLACK BRIGHT SHINY SMOOTH BLOCKY WELL CLEATED FIRM



2855
(+3850)

D 5938	MD 5969	MD 6001	MD 6032	MD 6063	MD 6095	MD 6127
INC 89.46	INC 90.40	INC 90.50	INC 91.04	INC 91.27	INC 91.61	INC 92.05
AZ 272.19	AZ 272.24	AZ 271.95	AZ 271.69	AZ 271.69	AZ 271.24	AZ 270.68
TVD 2849.01	TVD 2849.05	TVD 2848.79	TVD 2848.38	TVD 2847.75	TVD 2846.94	TVD 2845.92
S 4224.92	VS 4255.55	VS 4287.16	VS 4317.75	VS 4348.33	VS 4379.87	VS 4411.36
		2880 (+3825)				

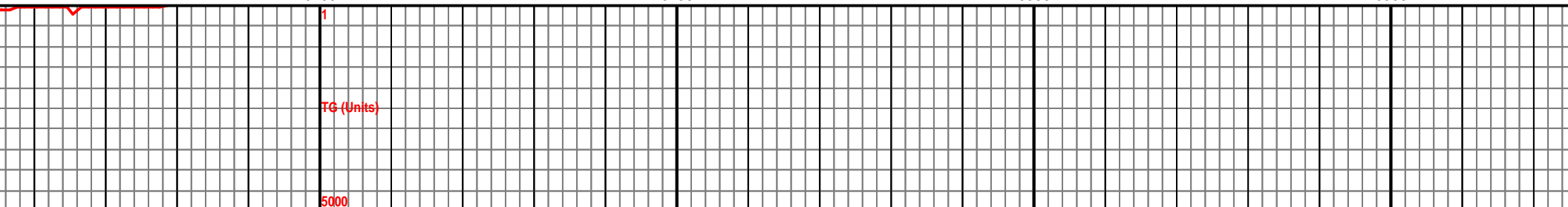


6200

6250

6300

6350



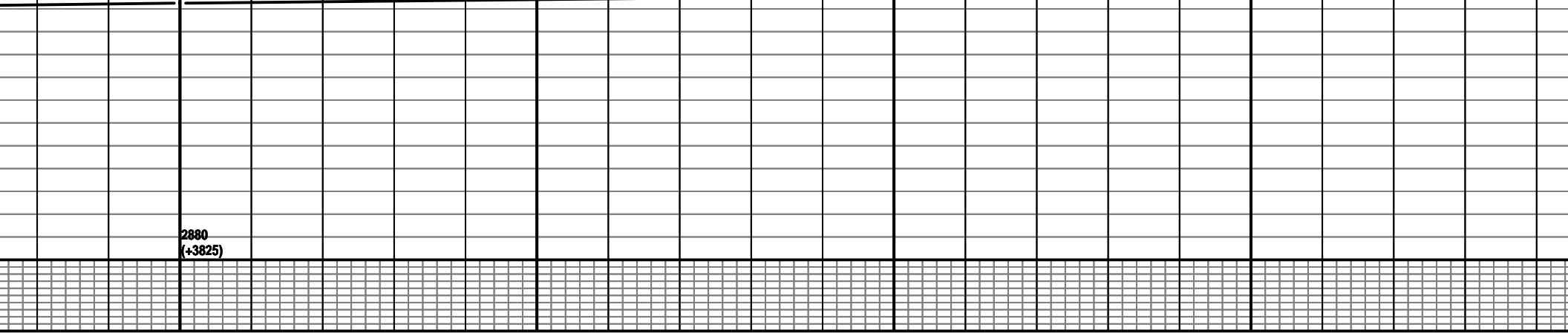
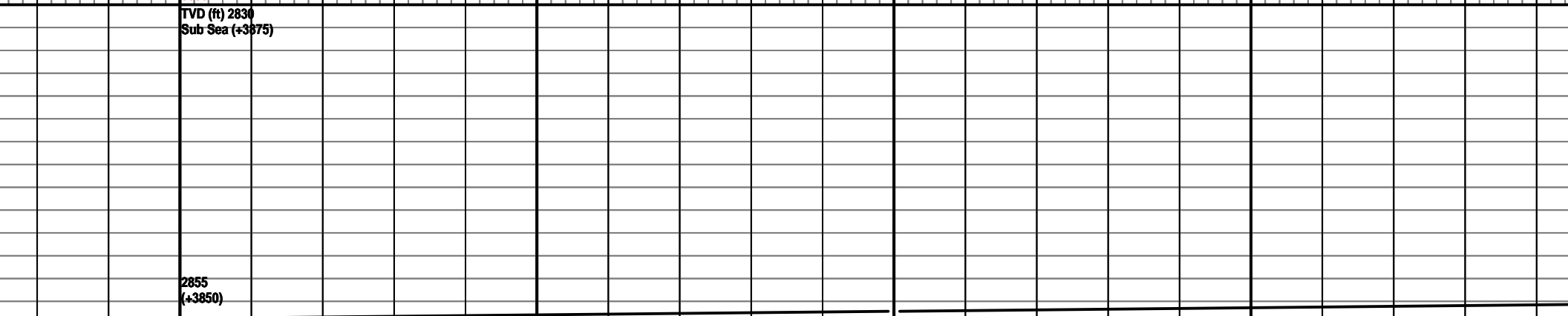
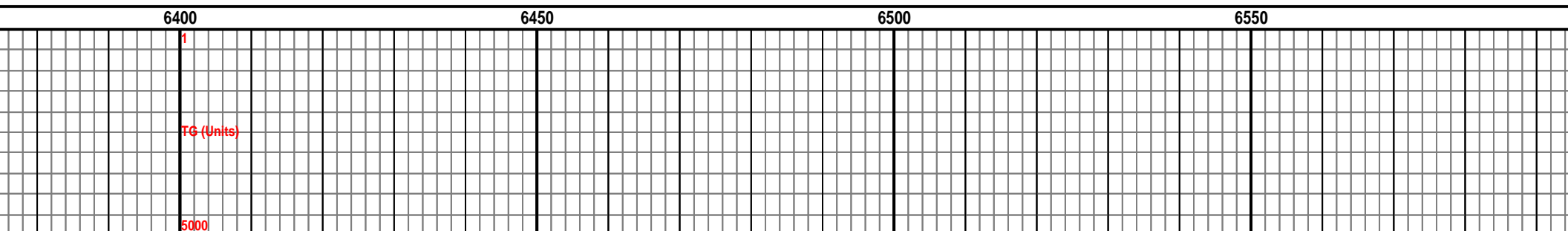
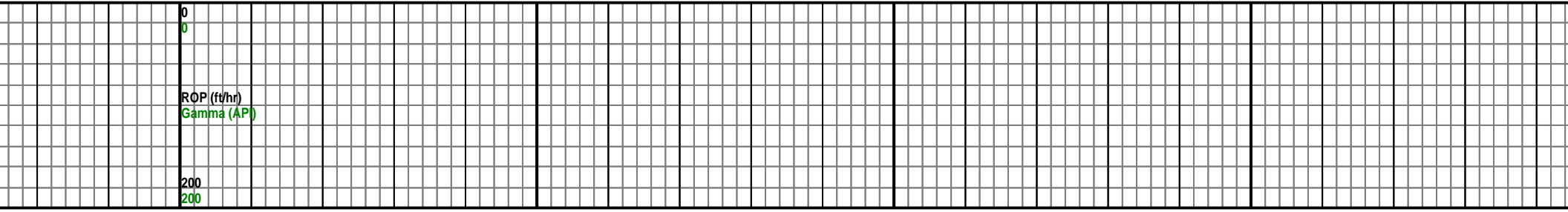
WT 10 VIS 28

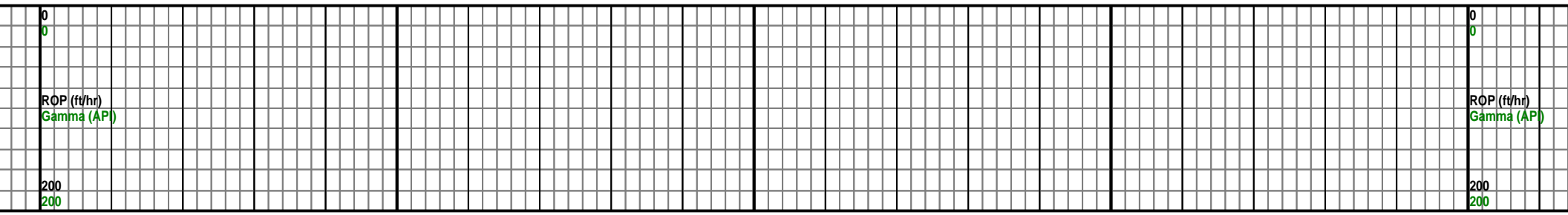
TVD (ft) 2830
Sub Sea (+3375)

7/26-7/31 - Pumped LCM, conditioned hole, prepped to run lin

2855
(+3850)

2880
(+3825)





0
0

ROP (ft/hr)
Gamma (API)

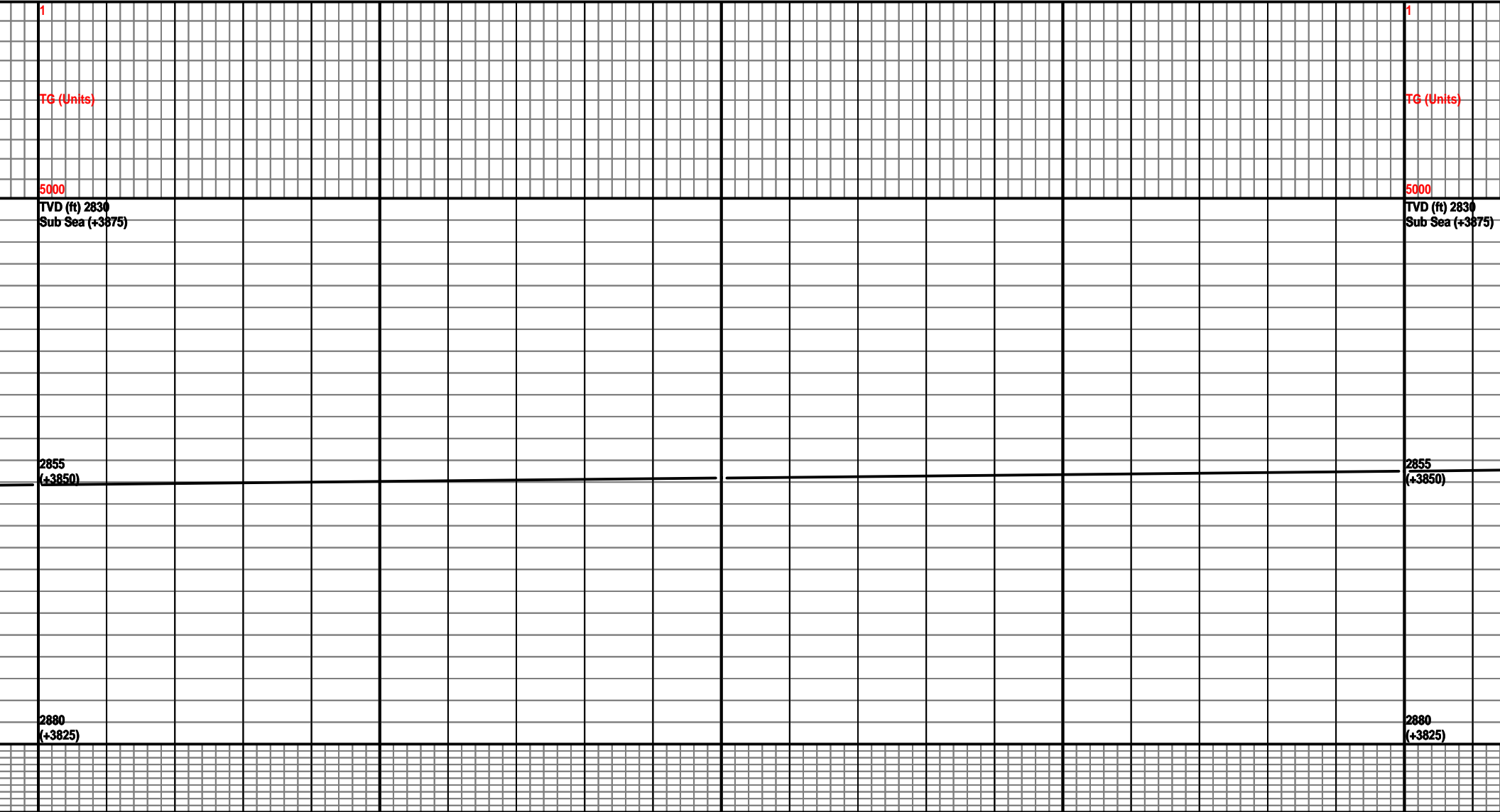
200
200

0
0

ROP (ft/hr)
Gamma (API)

200
200

6600 6650 6700 6750 6800



1

TG (Units)

5000

TVD (ft) 2830
Sub Sea (+3875)

2855
(+3850)

2880
(+3825)

1

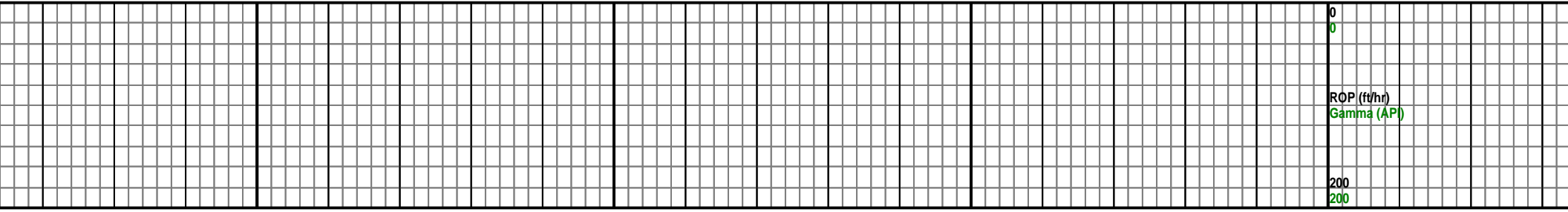
TG (Units)

5000

TVD (ft) 2830
Sub Sea (+3875)

2855
(+3850)

2880
(+3825)

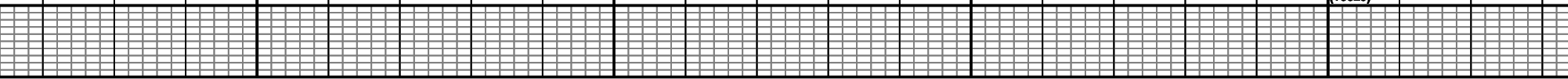
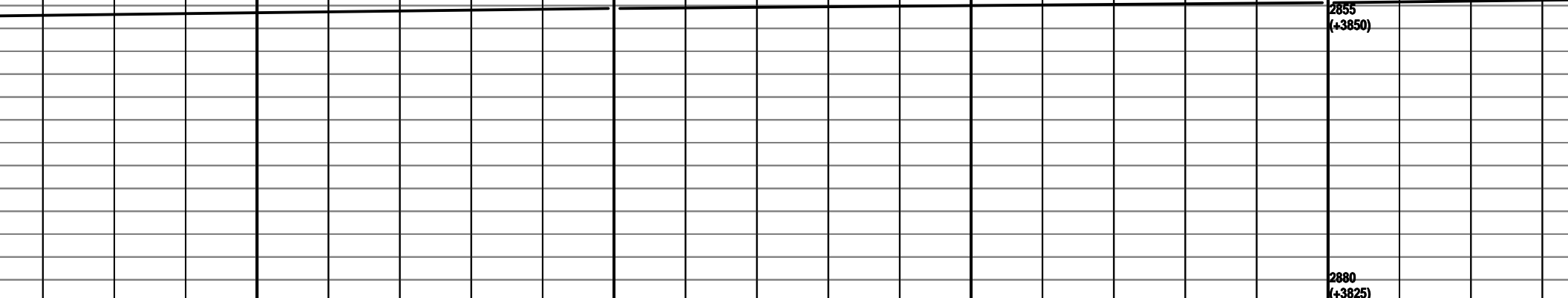
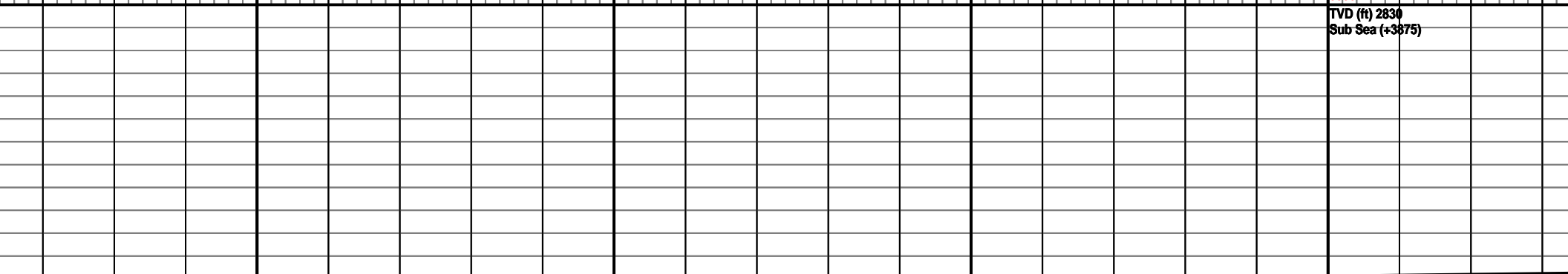
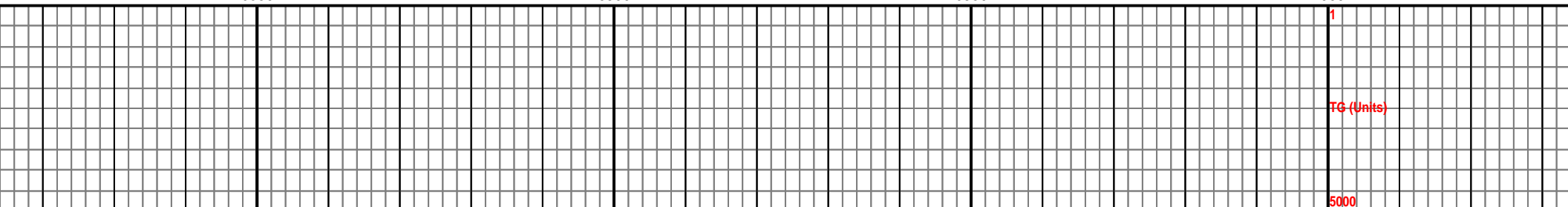


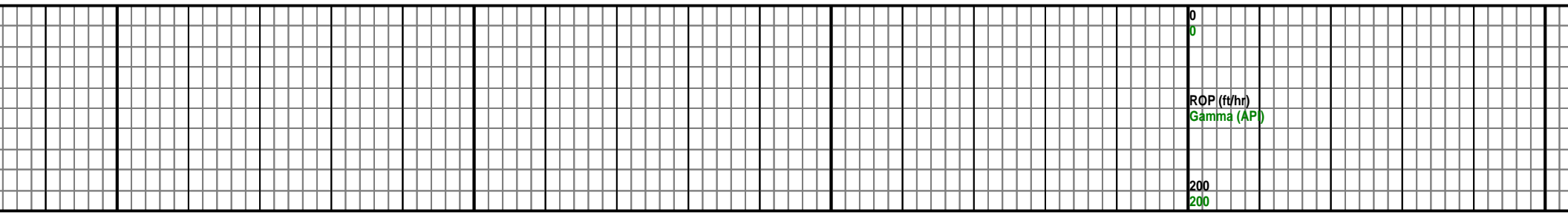
6850

6900

6950

7000





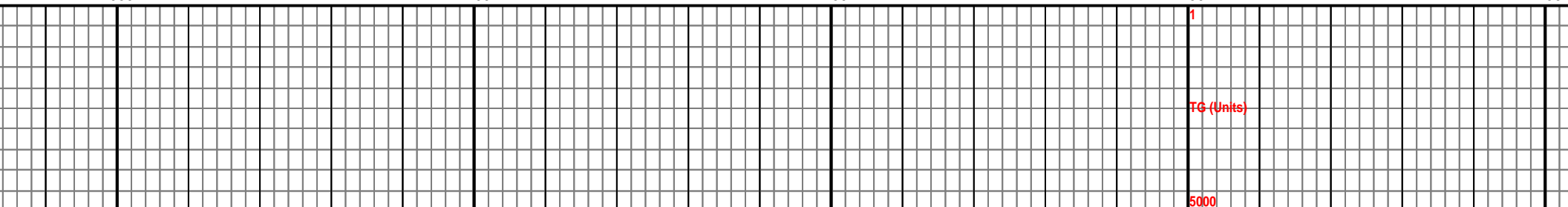
7050

7100

7150

7200

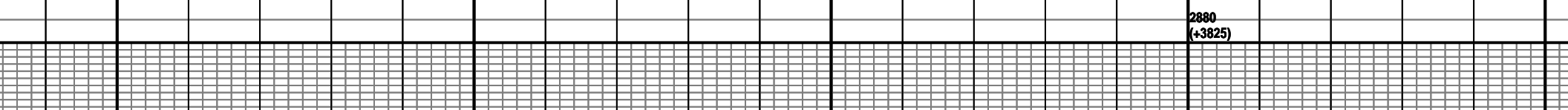
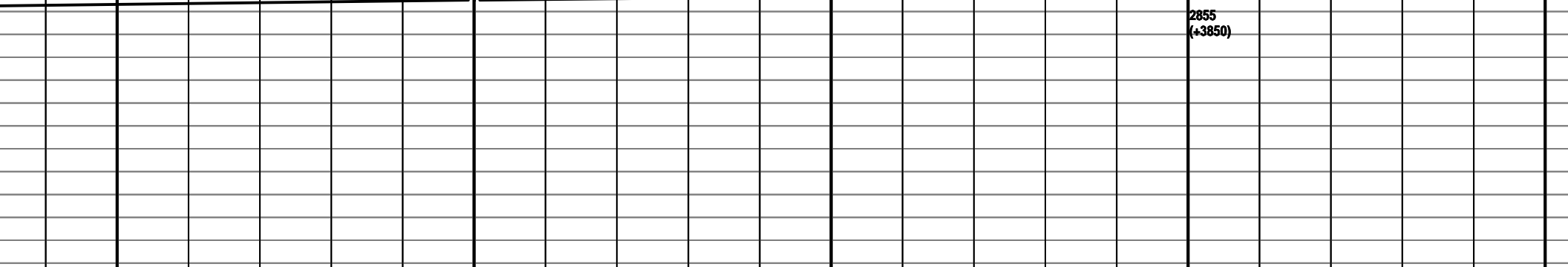
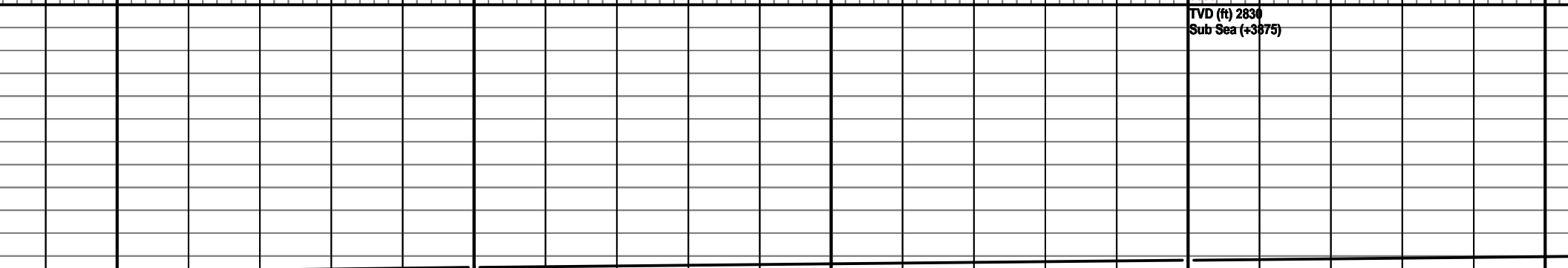
7250

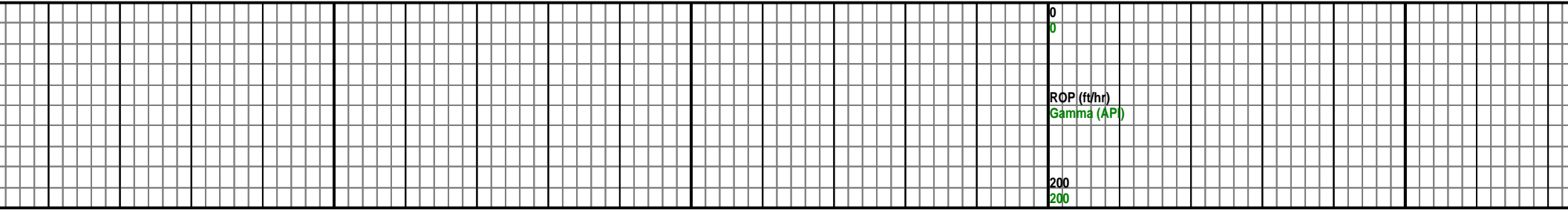


TVD (ft) 2830
Sub Sea (+3875)

2855
(+3850)

2880
(+3825)





0
0

ROP (ft/hr)
Gamma (AP)

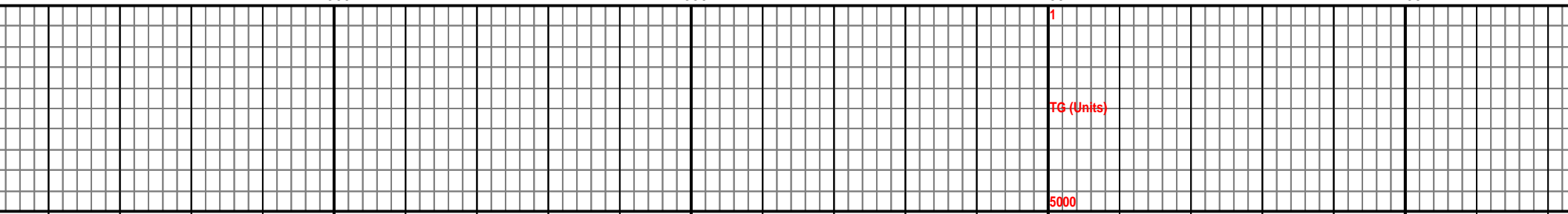
200
200

7300

7350

7400

7450

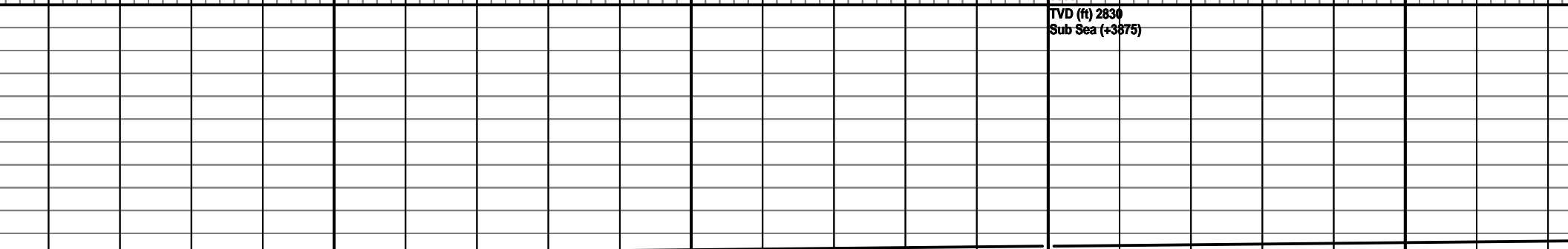


1

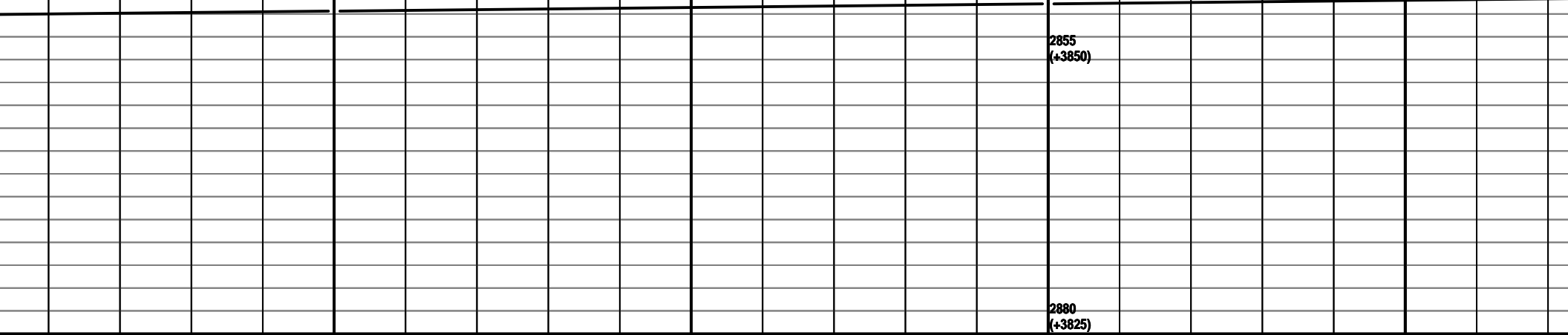
TG (Units)

5000

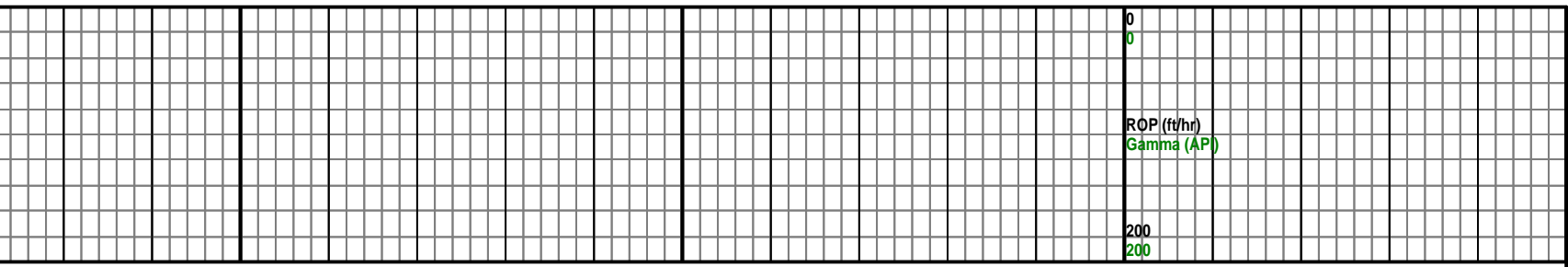
TVD (ft) 2830
Sub Sea (+3875)



2855
(+3850)



2880
(+3825)

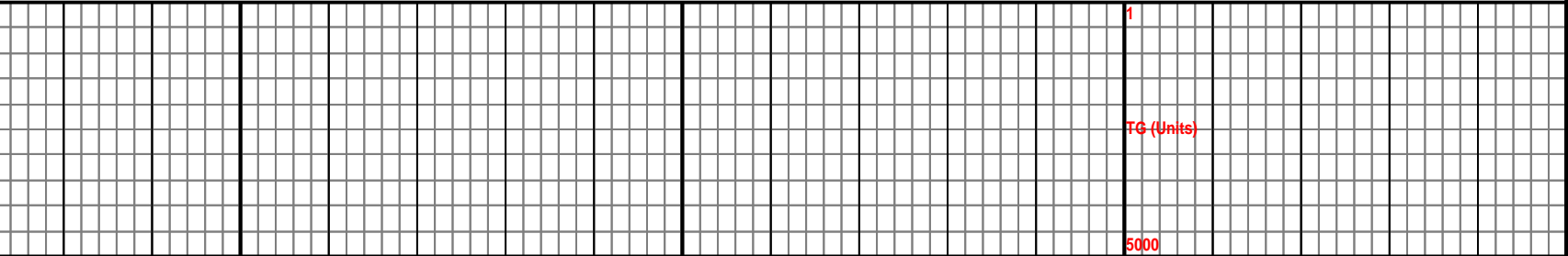


7500

7550

7600

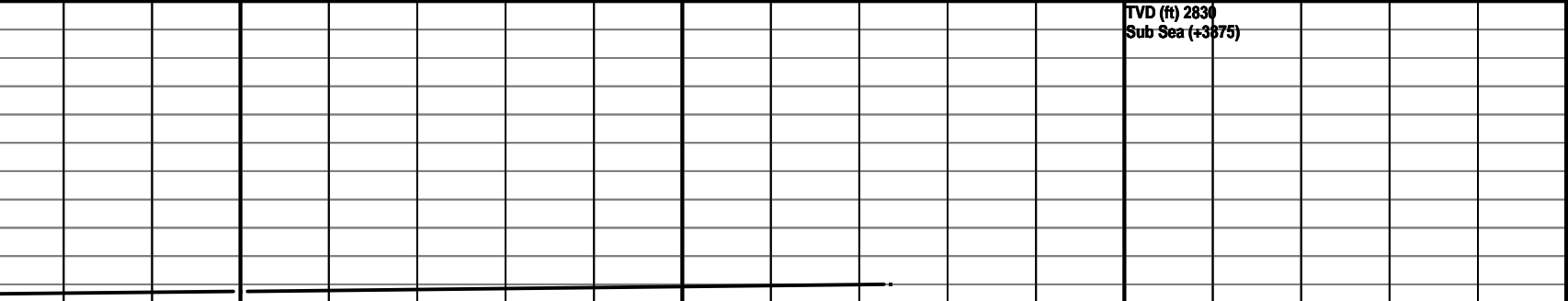
76



1

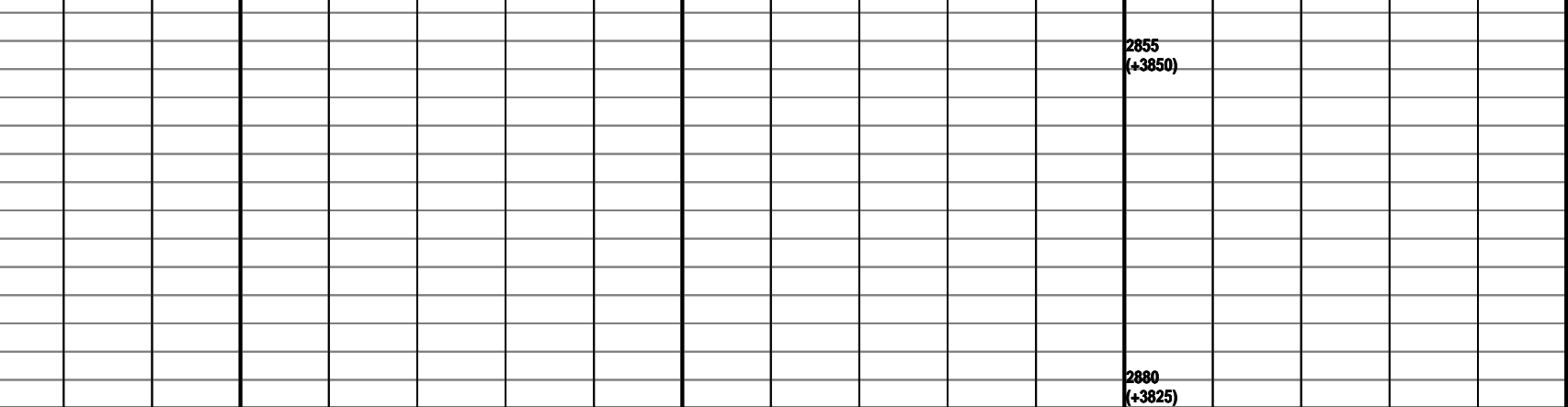
TG (Units)

5000



TVD (ft) 2830
Sub Sea (+3875)

2855
(+3850)



2880
(+3825)

