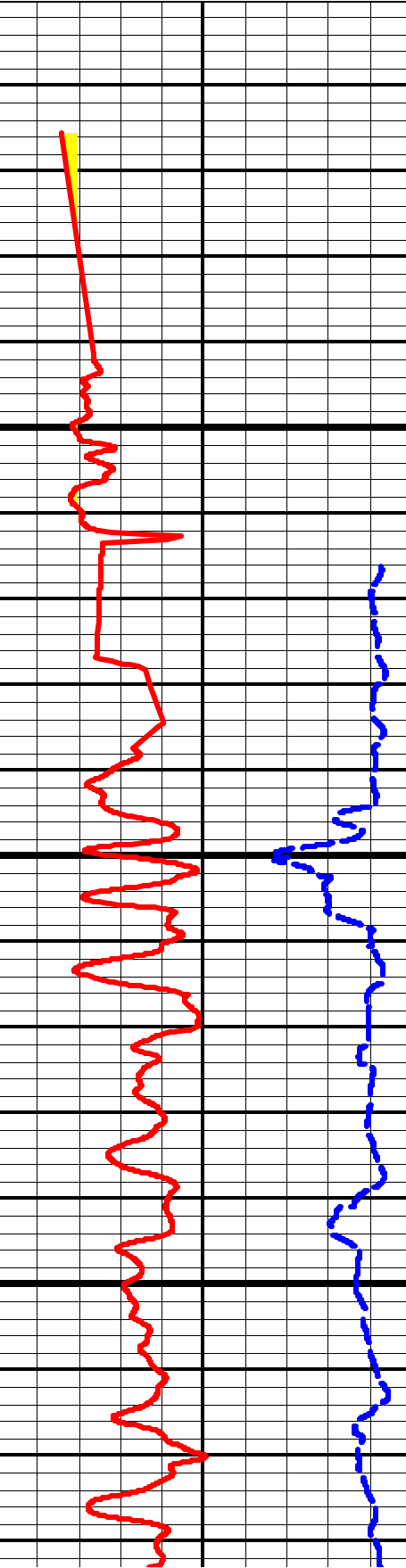


El Paso Production  
Raton C-77  
5in MD Gamma Ray Log

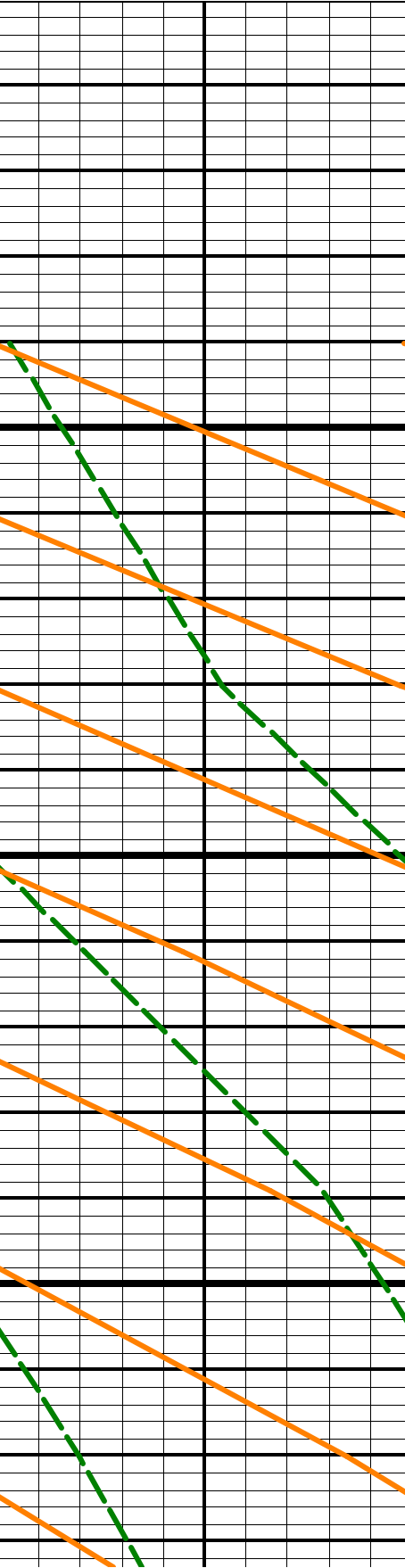
ROP (MWD) (ft/hr) [150.00] [0.00]  
Gamma Counts (MWD) (api) [0.00] [200.00]

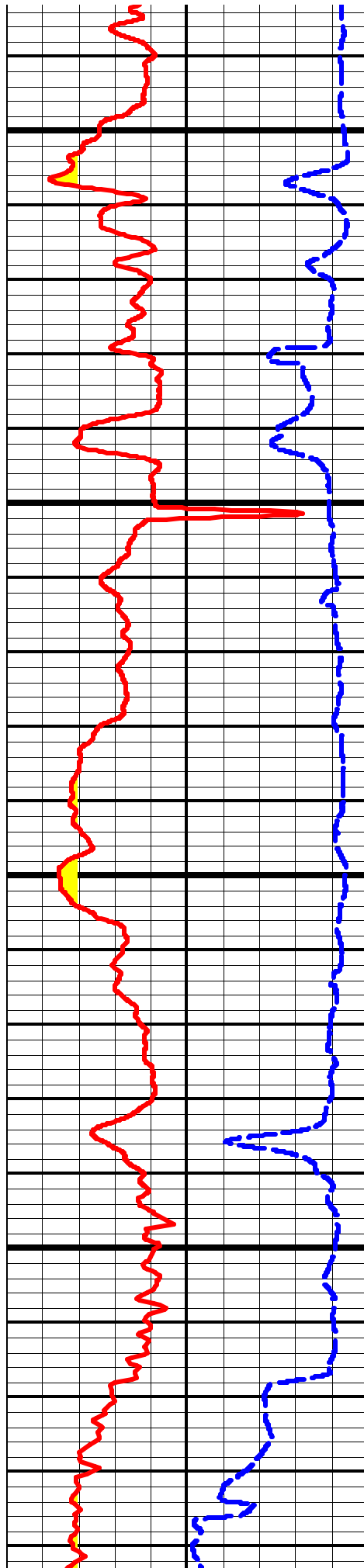
MD  
1:240 (ft)

Inclination of Survey from Data Set 1 relative t... [0.00] [20.00]  
True Vertical Depth of Survey from Data Set 1 ... [1620.00] [1640.00]



1600  
1650  
1700  
1750



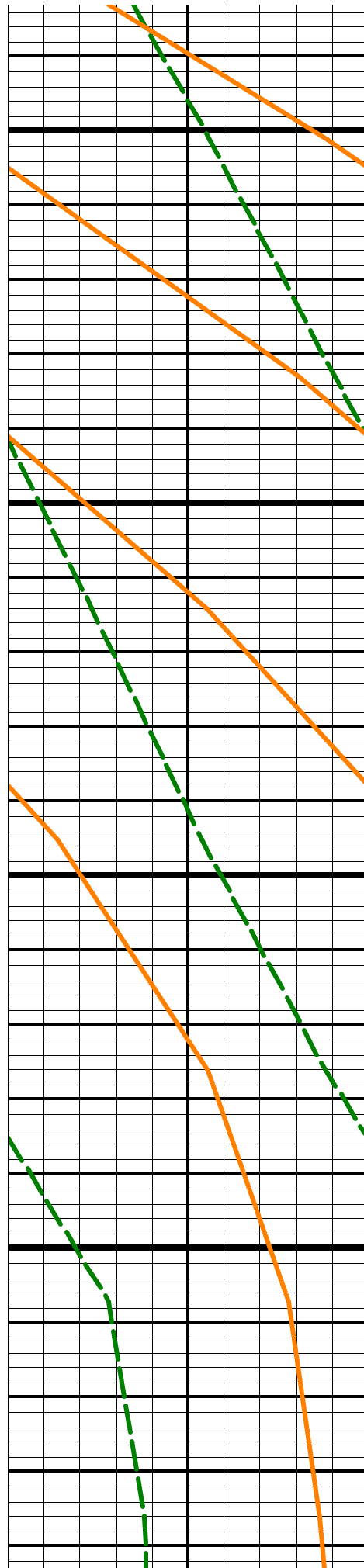


1800

1850

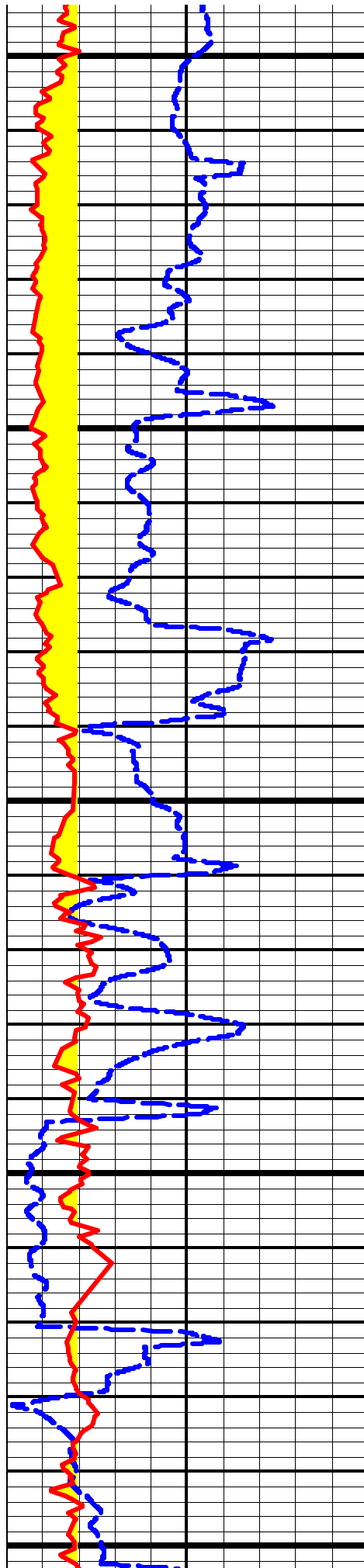
1900

1950



Focus Gamma Ray @ 1961' GUP: 80 GDWN  
76

Focus Gamma Ray @ 1990' GUP: 38 GDWN



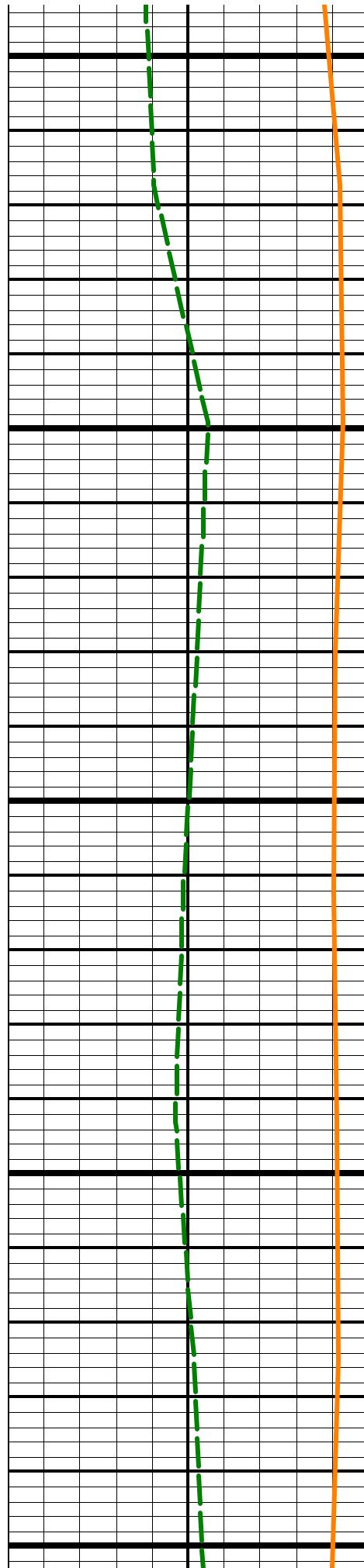
2000

2050

2100

2150

2200



39

Focus Gamma Ray @ 2021' GUP: 14 GDWN  
13

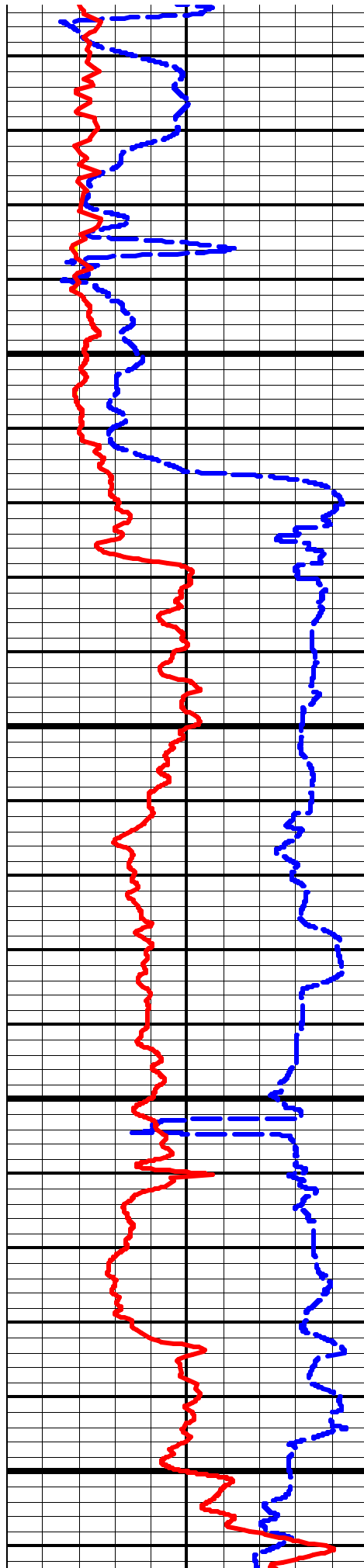
Focus Gamma Ray @ 2053' GUP: 20 GDWN  
22

Focus Gamma Ray @ 2084' GUP: 24 GDWN  
18

Focus Gamma Ray @ 2116' GUP: 35 GDWN  
31

Focus Gamma Ray @ 2147' GUP: 43 GDWN  
38

Focus Gamma Ray @ 2179' GUP: 42 GDWN  
39

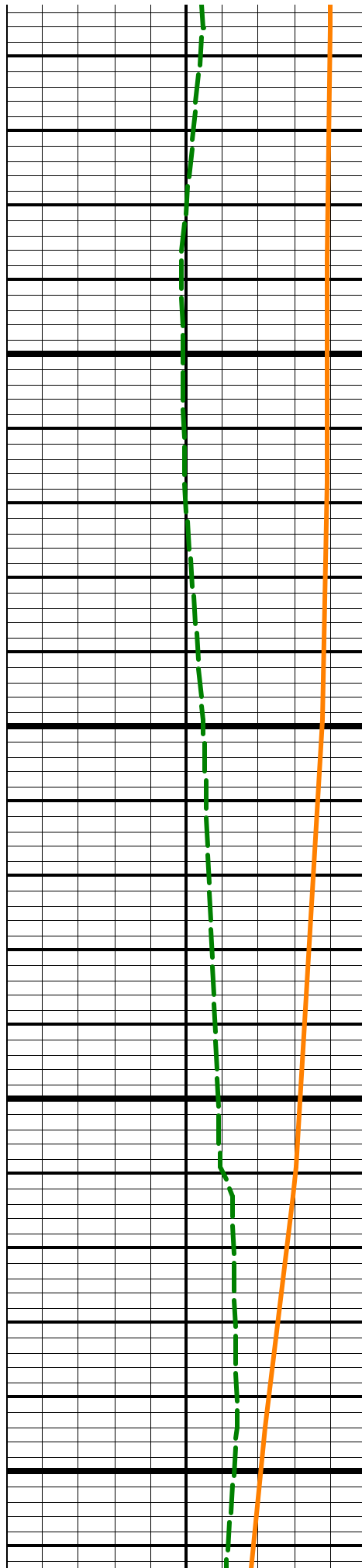


2250

2300

2350

2400



Focus Gamma Ray @ 2210' GUP: 54 GDWN  
43

Focus Gamma Ray @ 2241' GUP: 42 GDWN  
40

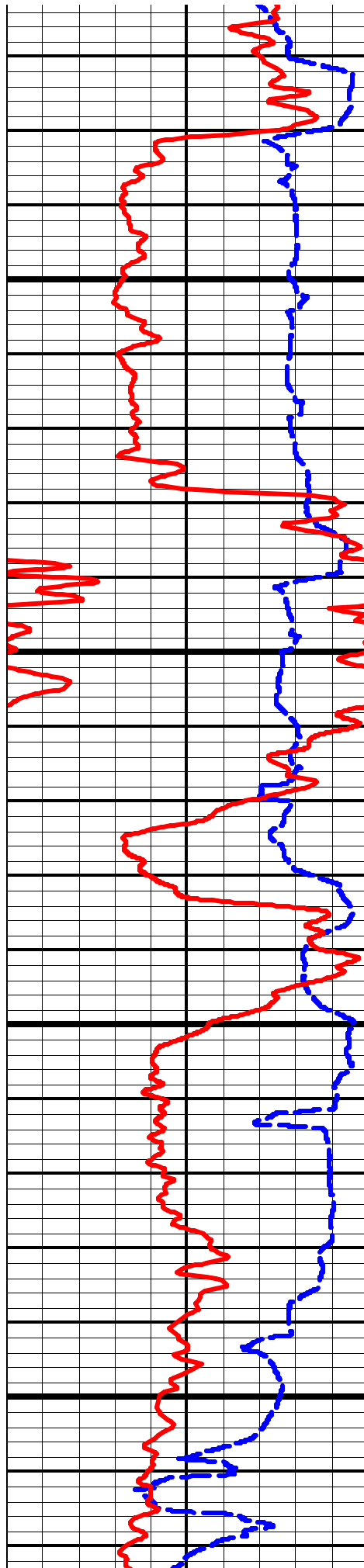
Focus Gamma Ray @ 2271' GUP 70 GDWN  
57

Focus Gamma Ray @ 2303' GUP 86 GDWN  
96

Focus Gamma Ray @ 2335' GUP 74 GDWN  
79

Focus Gamma Ray @ 2366' GUP 67 GDWN  
61

Focus Gamma Ray @ 2397' GUP 102 GDWN  
91

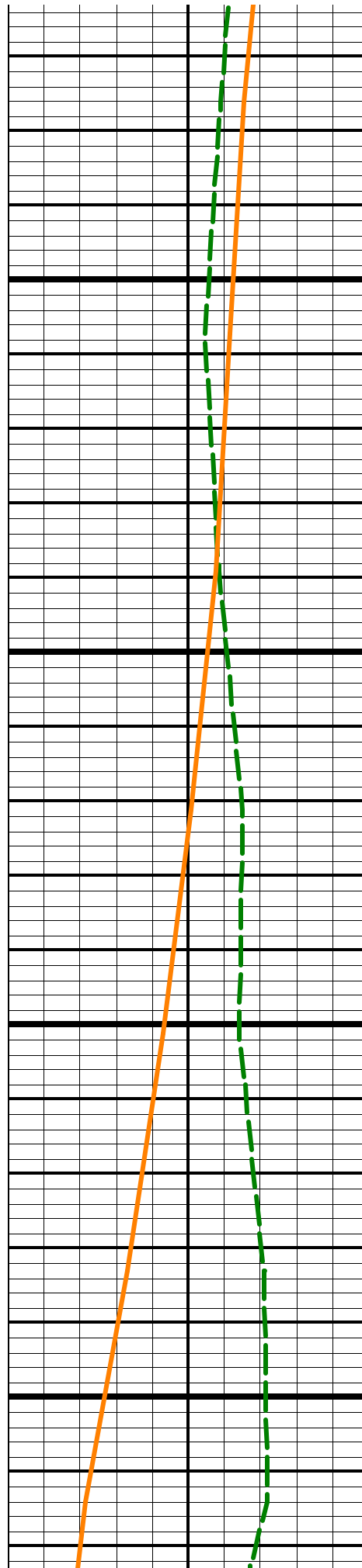


2450

2500

2550

2600



Focus Gamma Ray @ 2429' GUP 131 GDWN 176

Focus Gamma Ray @ 2446' GUP 64 GDWN 72

Focus Gamma Ray @ 2460' GUP 71 GDWN 49

Focus Gamma Ray @ 2475' GUP 119 GDWN 81

Focus Gamma Ray @ 2492' GUP 197 GDWN 195

Focus Gamma Ray @ 2507' GUP 181 GDWN 202

Focus Gamma Ray @ 2524' GUP 73 GDWN 82

Focus Gamma Ray @ 2539' GUP 193 GDWN 127

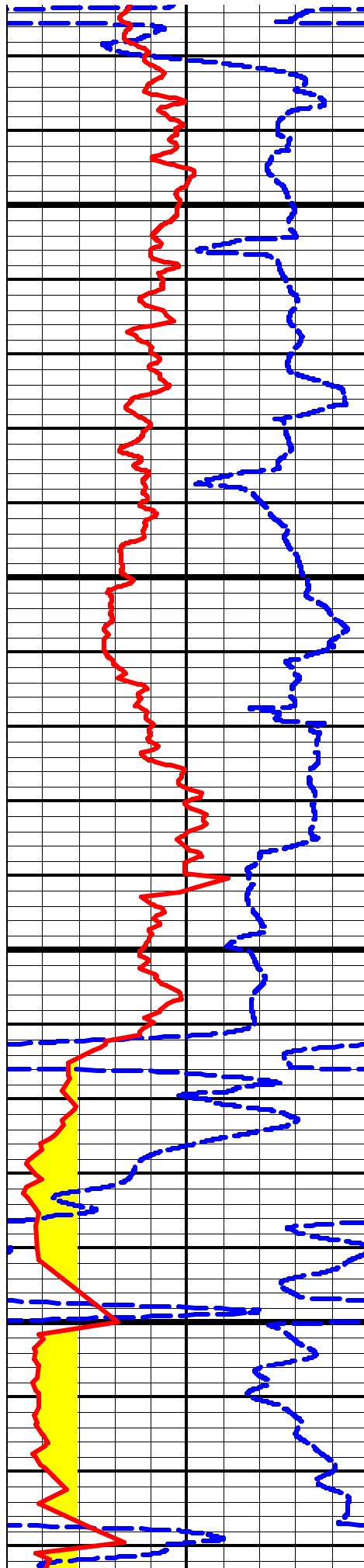
Focus Gamma Ray @ 2554' GUP 82 GDWN 97

Focus Gamma Ray @ 2569' GUP 84 GDWN 81

Focus Gamma Ray @ 2586' GUP 122 GDWN 107

Focus Gamma Ray @ 2601' GUP 91 GDWN 97

Focus Gamma Ray @ 2617' GUP 74 GDWN 71

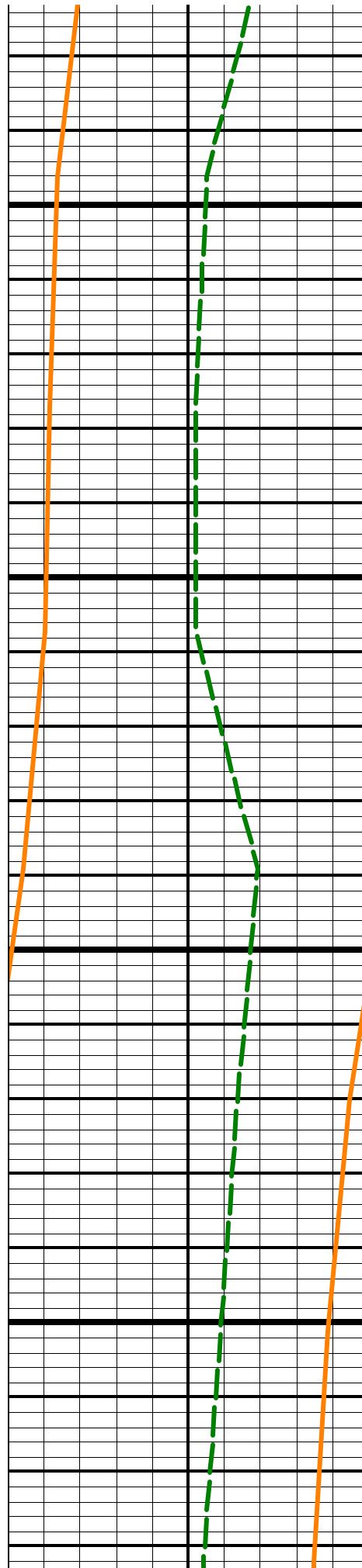


2650

2700

2750

2800



Focus Gamma Ray @ 2632' GUP 88 GDWN 84

Focus Gamma Ray @ 2648' GUP 92 GDWN 95

Focus Gamma Ray @ 2663' GUP 74 GDWN 89

Focus Gamma Ray @ 2680' GUP 71 GDWN 91

Focus Gamma Ray @ 2680' GUP 71 GDWN 91

Focus Gamma Ray @ 2710' GUP 52 GDWN 58

Focus Gamma Ray @ 2725' GUP 96 GDWN 75

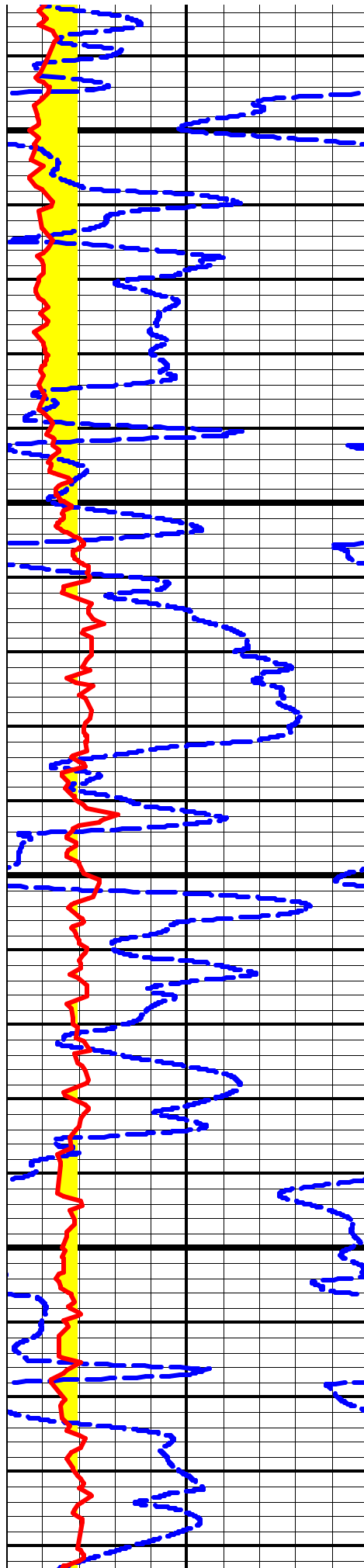
Focus Gamma Ray @ 2742' GUP 85 GDWN 90

In Coal @ 2760' MD

Focus Gamma Ray @ 2762' GUP 49 GDWN 57

Focus Gamma Ray @ 2773' GUP 23 GDWN 32

Focus Gamma Ray @ 2804' GUP 25 GDWN 19

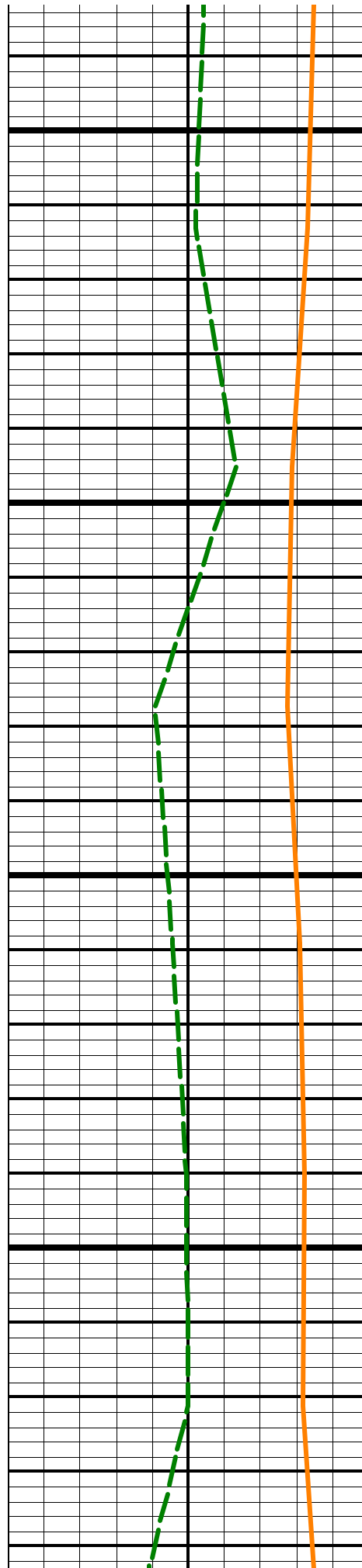


2850

2900

2950

3000



Focus Gamma Ray @ 2835' GUP 22 GDWN  
20

Focus Gamma Ray @ 2866' GUP 21 GDWN  
20

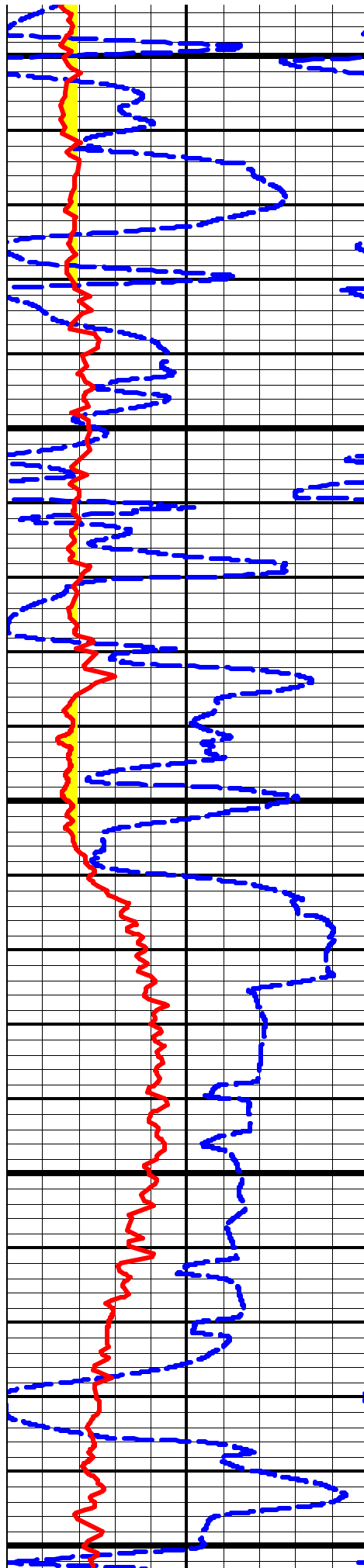
Focus Gamma Ray @ 2898' GUP 32 GDWN  
20

Focus Gamma Ray @ 2929' GUP 47 GDWN  
35

Focus Gamma Ray @ 2961' GUP 41 GDWN  
39

Focus Gamma Ray @ 2993' GUP 33 GDWN  
32

Focus Gamma Ray @ 3024' GUP 36 GDWN  
36



3050

3100

3150

3200

3250



Focus Gamma Ray @ 3055' GUP 28 GDWN  
26

Focus Gamma Ray @ 3087' GUP 48 GDWN  
28

Focus Gamma Ray @ 3118' GUP 44 GDWN  
42

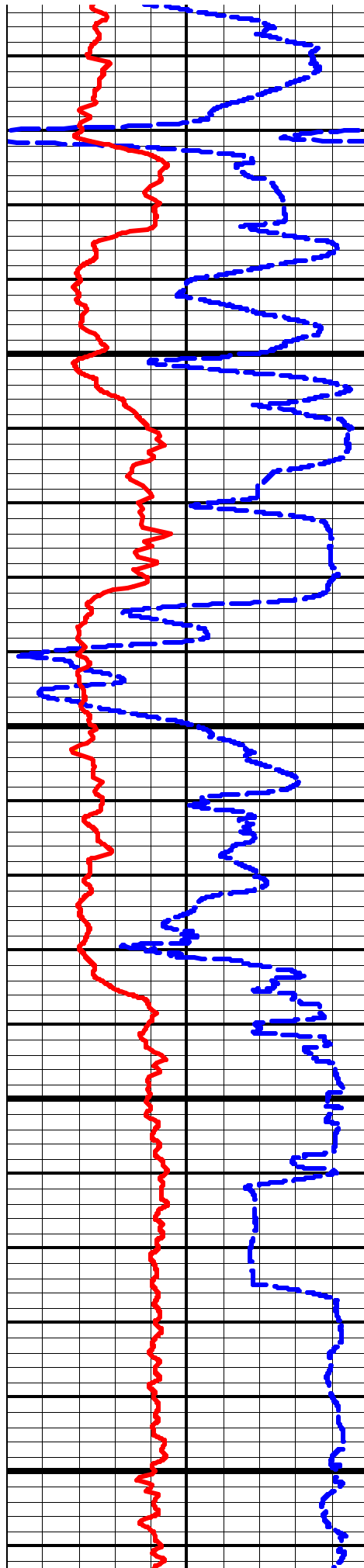
Focus Gamma Ray @ 3150' GUP 39 GDWN  
31

Focus Gamma Ray @ 3181' GUP 81 GDWN  
86

Focus Gamma Ray @ 3213' GUP 65 GDWN  
69

Focus Gamma Ray @ 3245' GUP 44 GDWN  
39



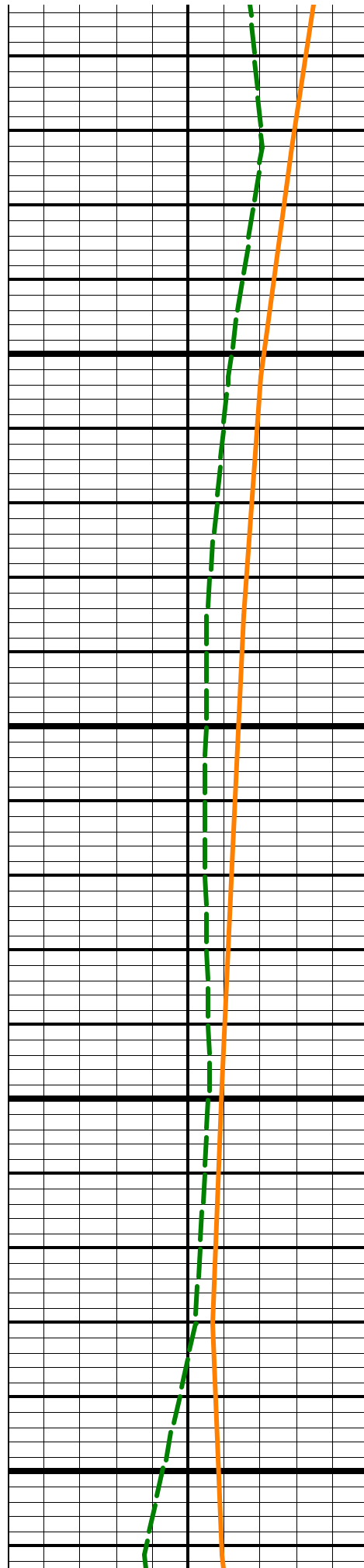


3300

3350

3400

3450



Focus Gamma Ray @ 3275' GUP 82 GDWN  
77

Focus Gamma Ray @ 3306' GUP 51 GDWN  
64

Focus Gamma Ray @ 3338' GUP 47 GDWN  
45

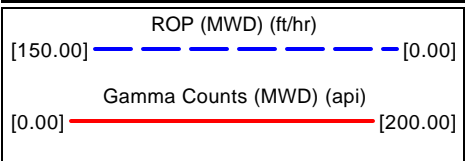
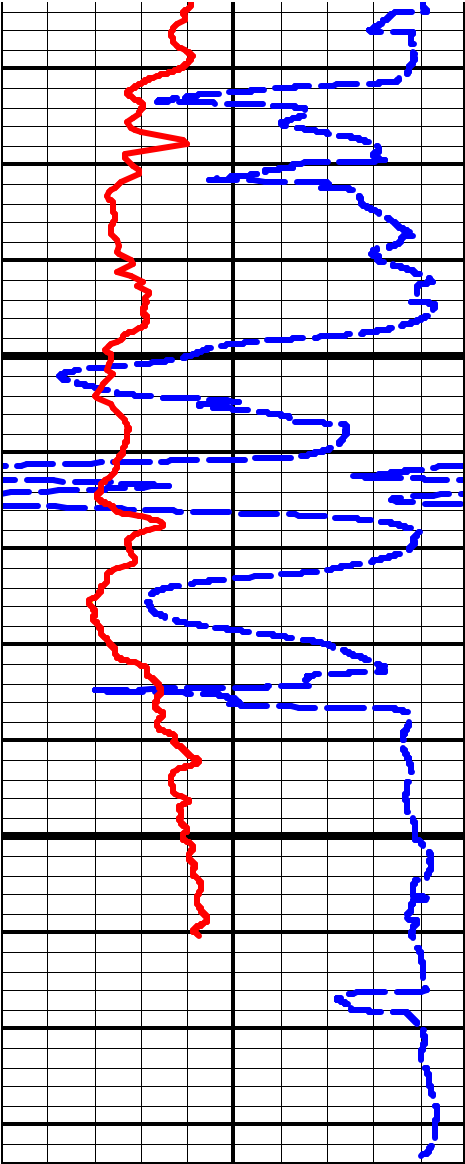
Focus Gamma Ray @ 3374' GUP 44 GDWN  
51

Focus Gamma Ray @ 3387' GUP 77 GDWN  
75

Focus Gamma Ray @ 3401' GUP 87 GDWN  
85

Focus Gamma Ray @ 3433' GUP 82 GDWN  
85

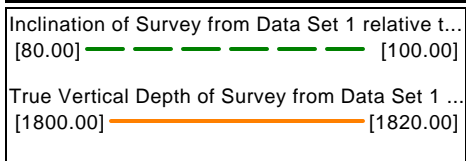
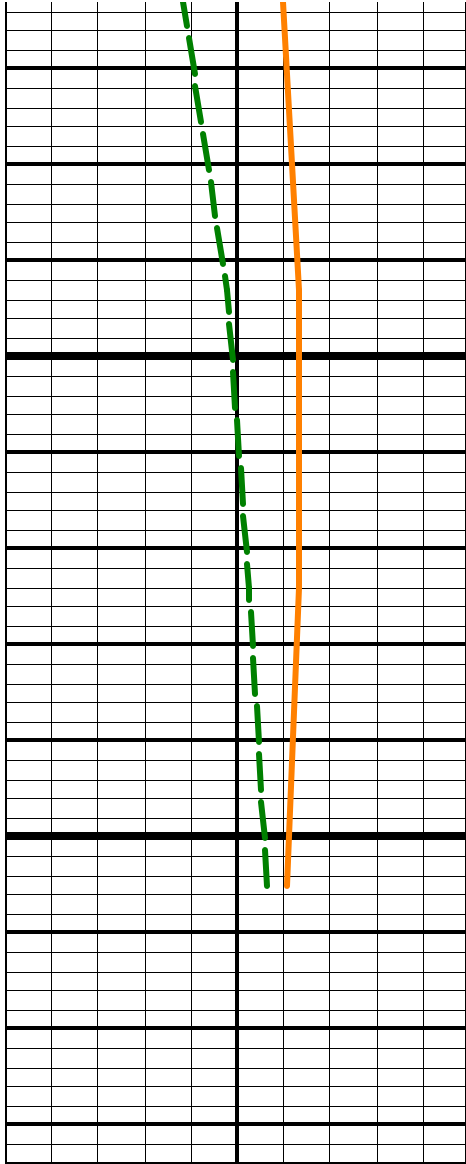
Focus Gamma Ray @ 3449' GUP 85 GDWN  
85



3500

3550

MD  
1:240 (ft)



Focus Gamma Ray @ 3464' GUP 80 GDWN 72
Focus Gamma Ray @ 3480' GUP 53 GDWN 53
Focus Gamma Ray @ 3496' GUP 54 GDWN 66
Focus Gamma Ray @ 3511' GUP 56 GDWN 57
Focus Gamma Ray @ 3527' GUP 42 GDWN 40
Focus Gamma Ray @ 3542' GUP 75 GDWN 55
Focus Gamma Ray @ 3558' GUP 82 GDWN 75
TD Well @ 3581'