



WELLS RANCH AA21-67HN

TVD
1"=100'

Company: NOBLE ENERGY
Well Name: WELLS RANCH AA21-67HN
API: 05-123-37741
Rig Id: H&P 277
State: CO
County/Parish: WELD COUNTY
Country: USA
Survey Company: DRILTECH, LLC
Job number: 2014-033-IDDT-CO
MARK LARUE MWD OPERATOR
JOSH CAYLOR MWD OPERATOR

Log measurements:
Depth measured from:
Maximum temperature:

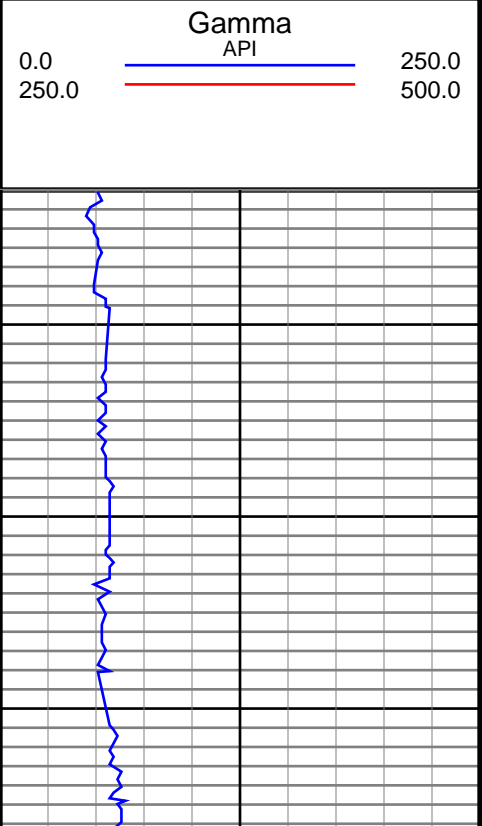
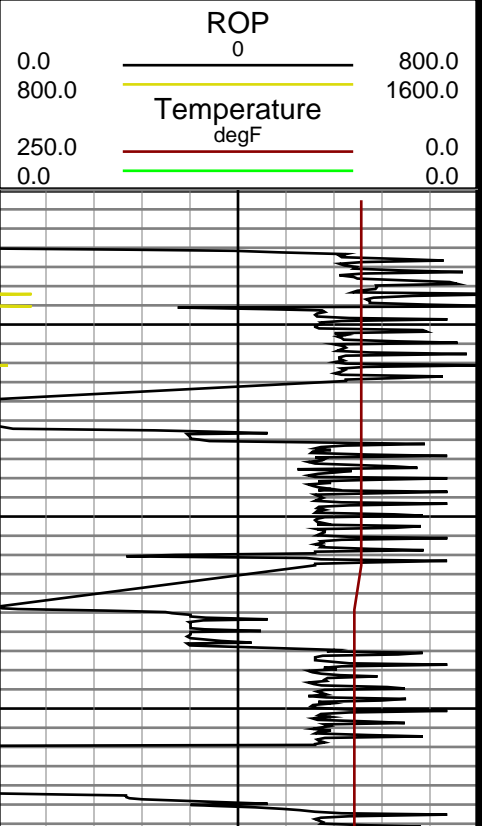
Depth Date
Start: 1350 ft 2-5-2014
End: 10904 ft 2-12-2014

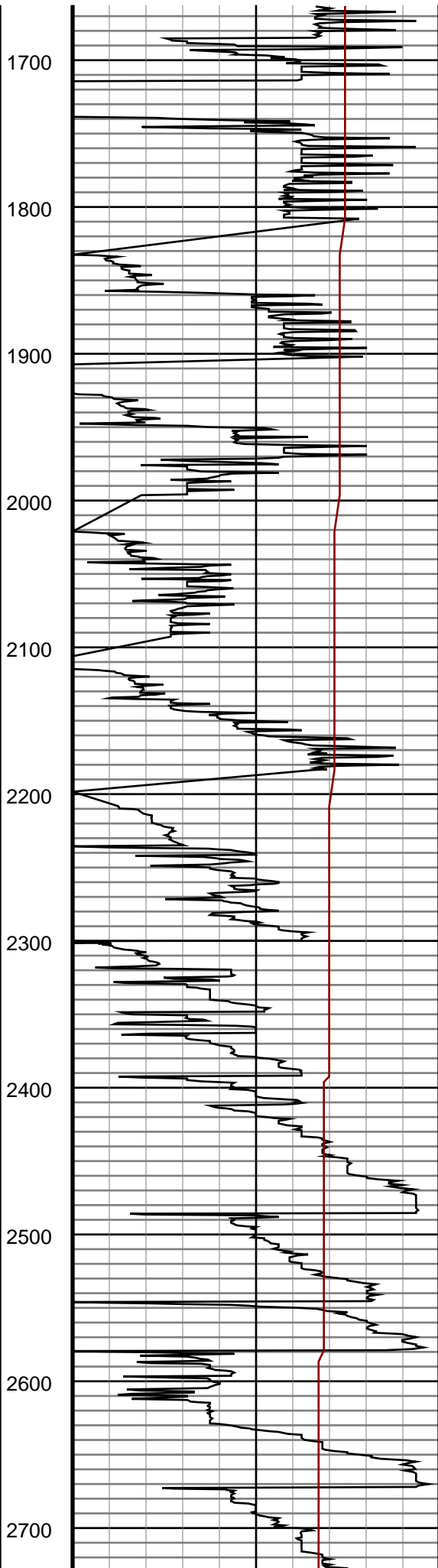
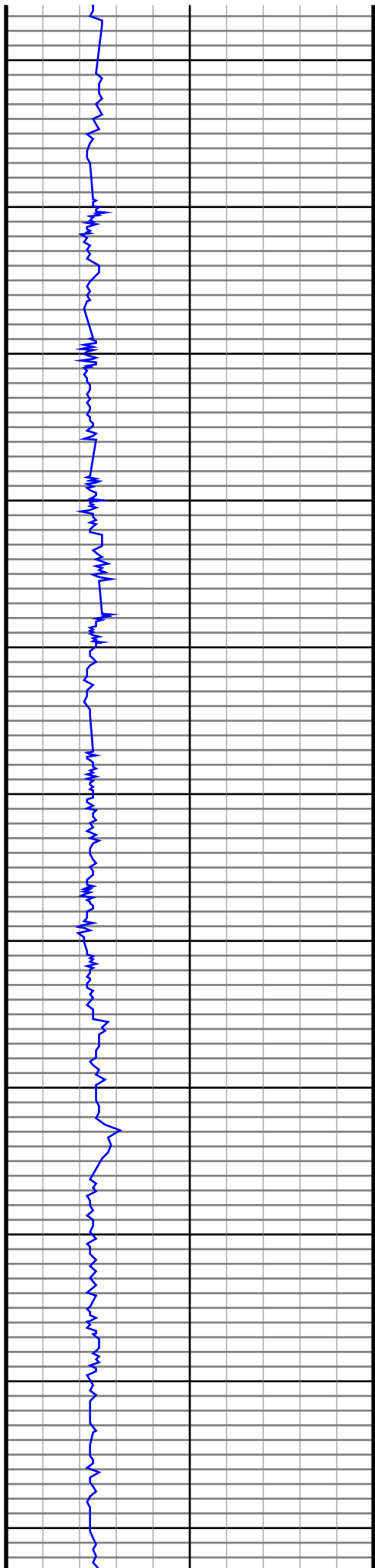
Casing Depth Size	Mud Type: WATER BASE	Elevations
Surface: 951 9.625	Density: 9.25	KB:
Intermediate: 7086 7.0	Viscosity: 38	GL: 4727
	Rm: Rmf: Rmc:	DF: 4751

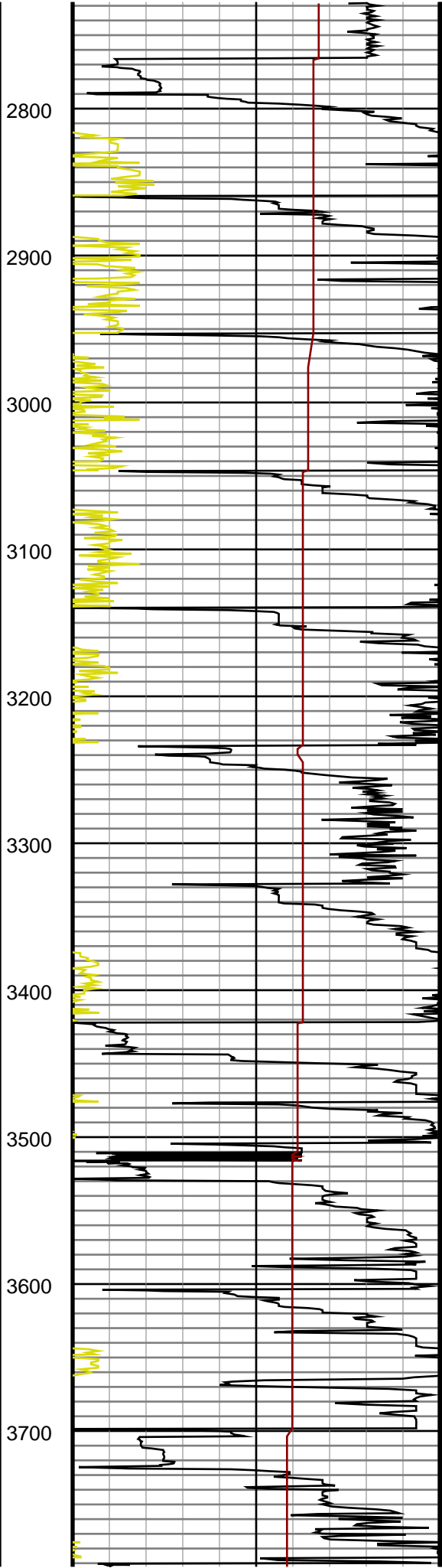
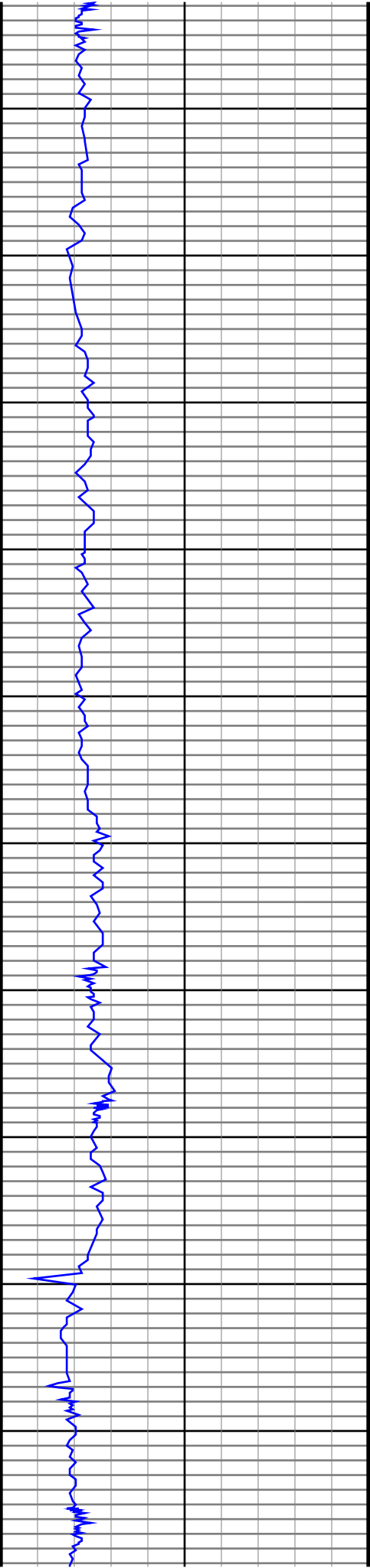
Run	Bit Size	Gamma	Offsets	Survey	Start	End	Depths	Start	End	Dates	Start	End
1	8 3/4	38.00	55.00	1350	6047	2-5-2014	2-7-2014					
2	8 3/4	45.00	62.00	6047	7096	2-7-2014	2-9-2014					
3	6 1/8	47.00	64.00	7096	10904	2-10-2014	2-12-2014					
4												
5												
6												
7												
8												
9												
10												

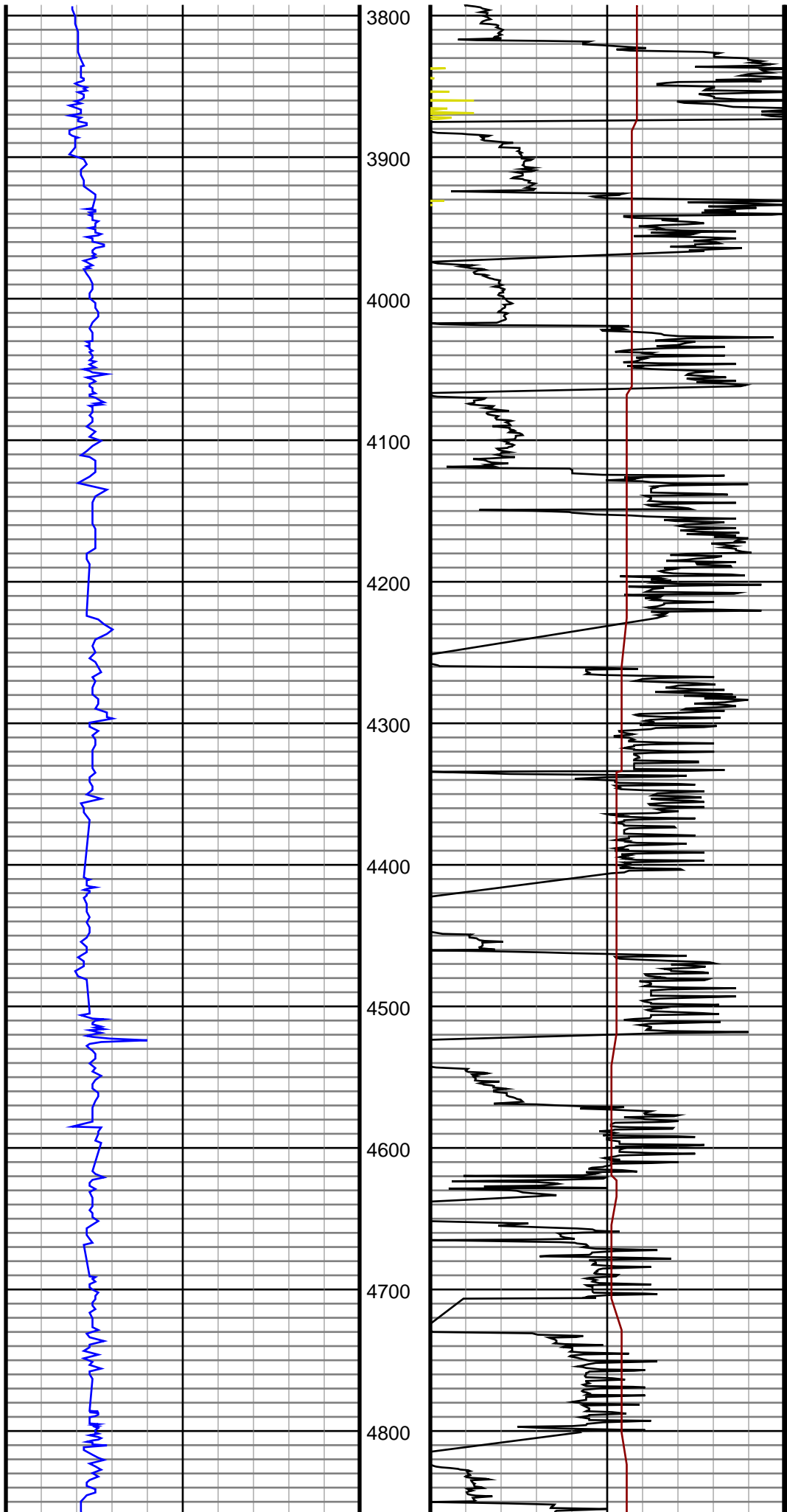
DRILTECH, LLC uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

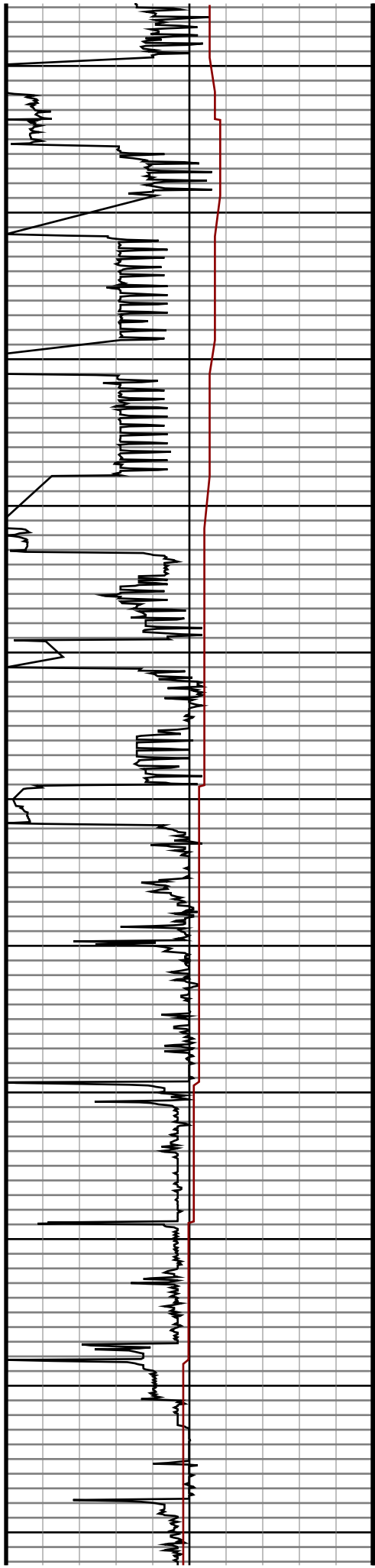
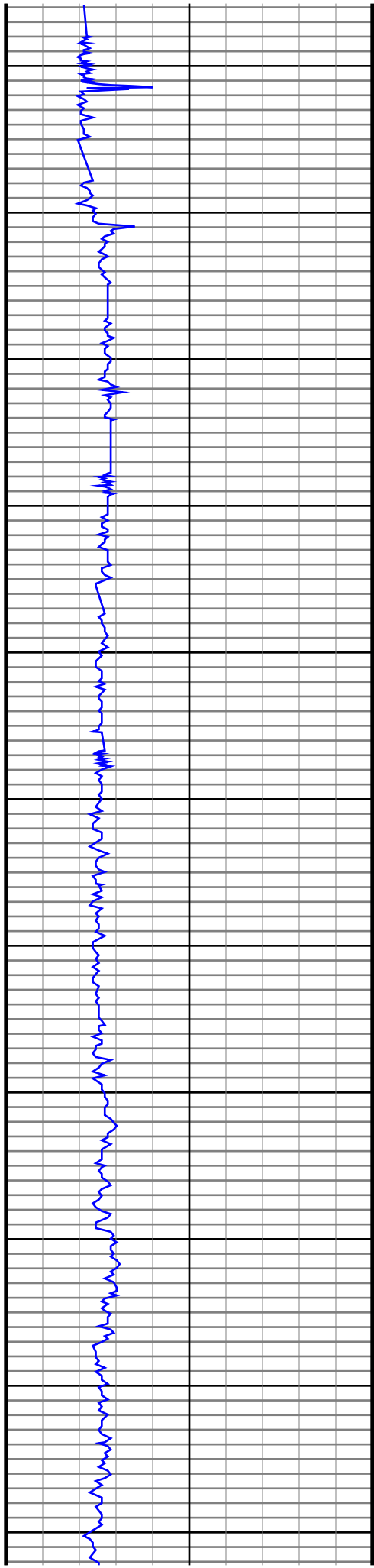
TVD

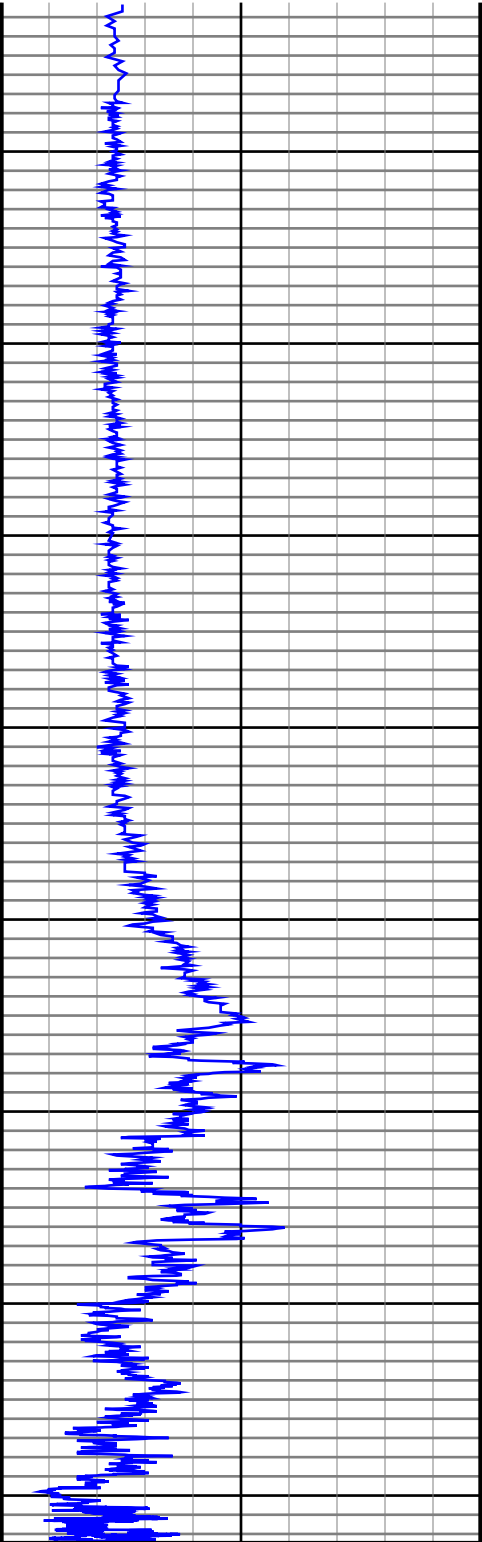






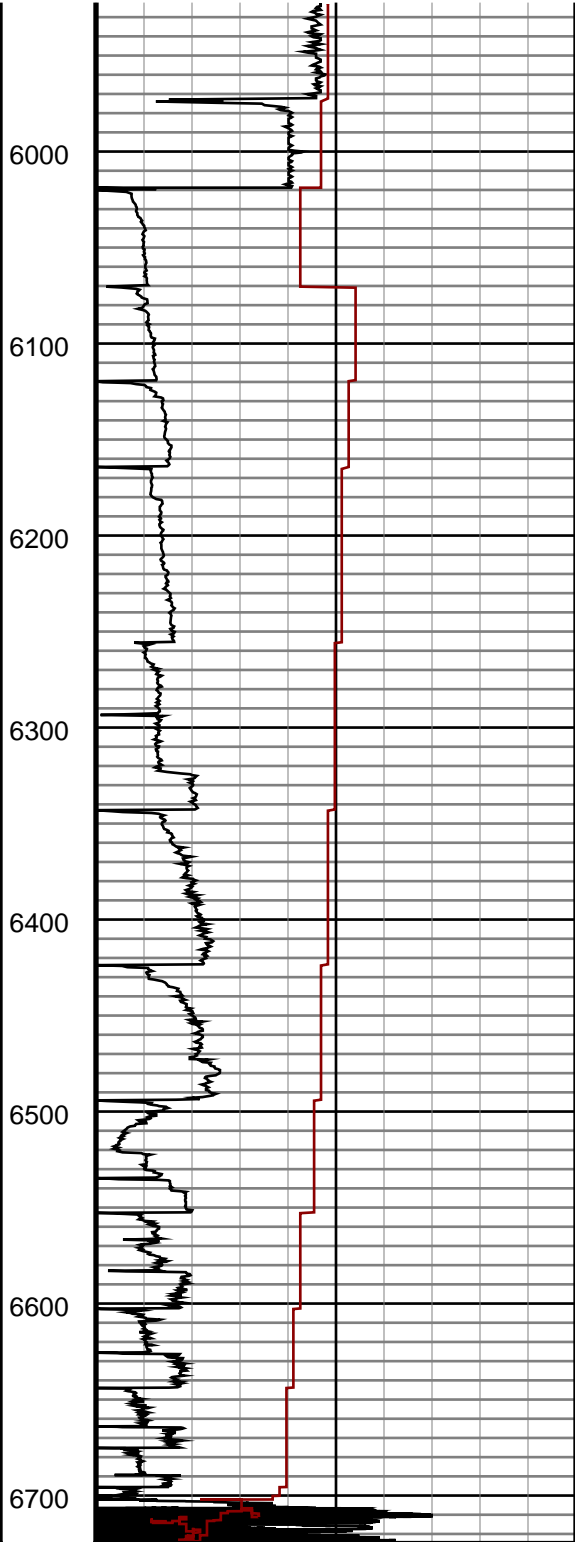






Gamma
API

0.0	250.0
250.0	500.0



ROP
0

0.0	800.0
800.0	1600.0

Temperature
degF

250.0	0.0
0.0	0.0