ENSIGN Directional

Sauer F33-77-1HNX

TVD
1":100'

Company: Noble Energy Inc.
Well Name: Sauer F33-77-1HNX
UWI or LSD: 05-123-37261
Rig Id: Ensign 121
State: Colorado
County/Parish: Weld
Country: USA
Survey Company: Ensign Energy Inc
Job number: 121-174
Company Rep 1 Noble Energy

DD1 Zach Gentry
DD2 Jamie Sheets
DD3 Brian Bednarek

LWD1 Andrew Demrow
LWD2 Fred Sell

Log measurements: Gamma
Depth measured from:
Maximum temperature:

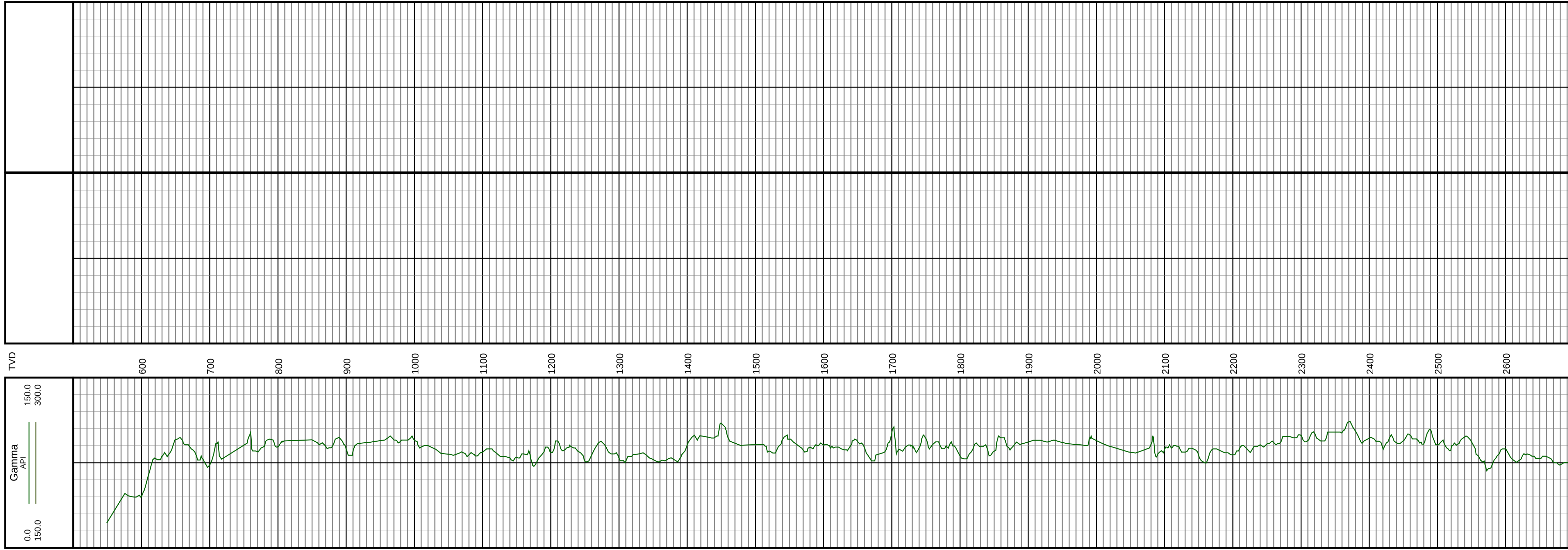
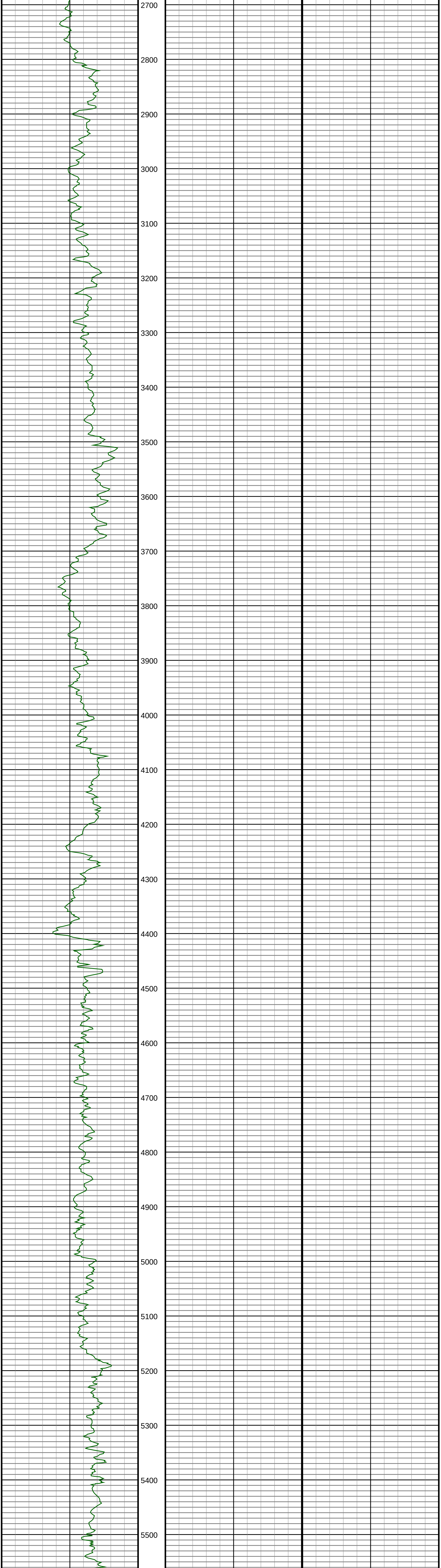
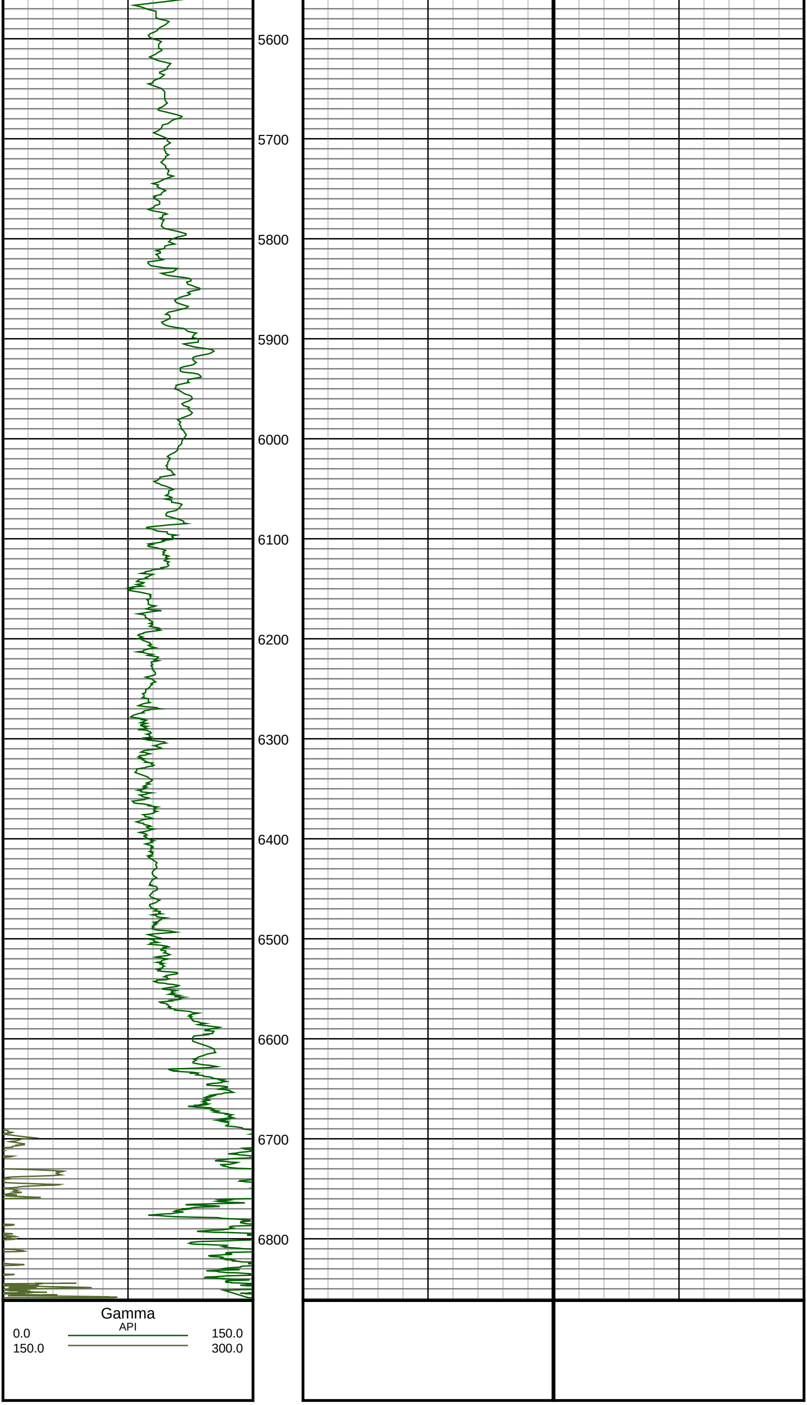
	Depth	Date
Start:	602 ft	05-17-2013
End:	ft	

Casing	Depth	Size
Surface:	592	9 5/8
Intermediate:	7205	7

Mud Type:
Density:
Viscosity:
Rm: **Rmf:** **Rmc:**

Elevations
KB: 4683
GL: 4670
DF: 4683

		Offsets		Depths		Dates	
Run	Bit Size	Gamma	Survey	Start	End	Start	End
1	8.75	52.68	47.68	602	7215	05-17-2013	05-19-2013
2	6.125	60.28	55.28	7215	10971	05-20-2013	05-23-2013
3							
4							
5							
6							
7							
8							
9							
10							

Ensign Energy Inc 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.