

Workflow 4: Data Processing & Interpretation

Workflow 4.5: Interpretation

Sites:

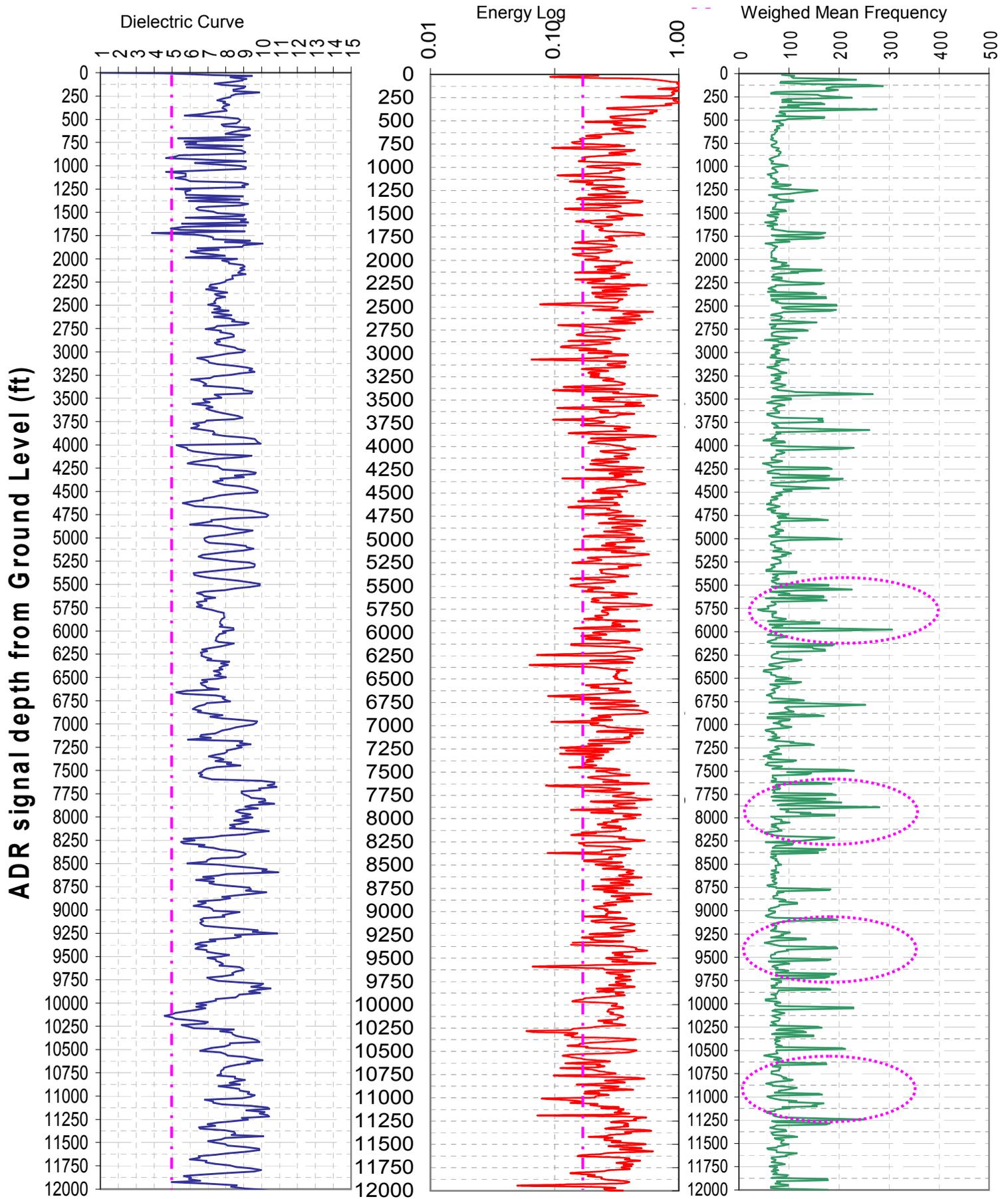
Monaga 1

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Blind Test 2

Produced by Adrok Ltd for Melrose Resources PLC

10th January 2012



Monaga 1: Adrok Logs (0ft to 12000ft)

Interpretation Indicators:

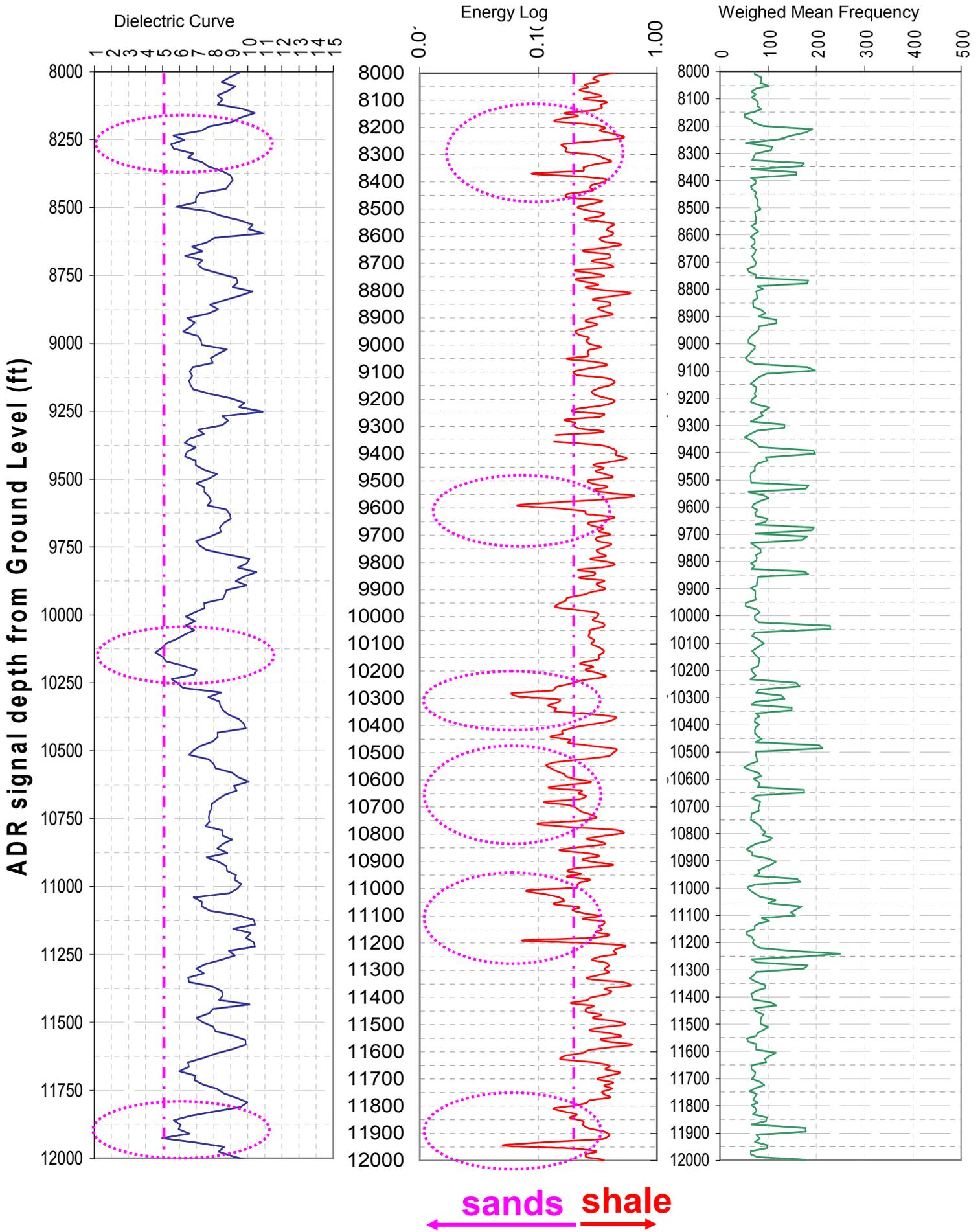
- Dielectric values that tend toward or below 5 which can be an indicator of sands with hydrocarbons
- Training has shown that areas of low energy can indicate sandstone
- Lower values of WMF can indicate shale, also the WMF shows depth zones which are relatively constant.

| Depths (ft) showing low dielectric -> 5 | Depths (ft) showing low energy response | Depths (ft) showing constant WMF |
|---|---|----------------------------------|
| 705 | 718 | 500-1250 |
| 919 | 791 | 1900-2000 |
| 1066 | 934 | 3000-3300 |
| 1247 | 1085 | 4500-4750 |
| 1673 | 1152 | 5000-5500 |
| 1722 | 1455 | 6250-6750 |
| 1985 | 1580 | 8300-8750 |
| 4626 | 1943 | 9900-10000 |
| 6660 | 2472 | 10100-10250 |
| 7168 | 2696 | 11300-11900 |
| 7545 | 2943 | |
| 8235 | 3066 | |
| 8284 | 4343 | |
| 8497 | 4654 | |
| 10138 | 6242 | |
| 10252 | 6347 | |
| 11679 | 6682 | |
| 11925 | 6961 | |
| | 7270 | |
| | 7652 | |
| | 8167 | |
| | 8369 | |
| | 9343 | |
| | 9590 | |
| | 10293 | |
| | 10567 | |
| | 10761 | |
| | 11007 | |
| | 11190 | |
| | 11945 | |

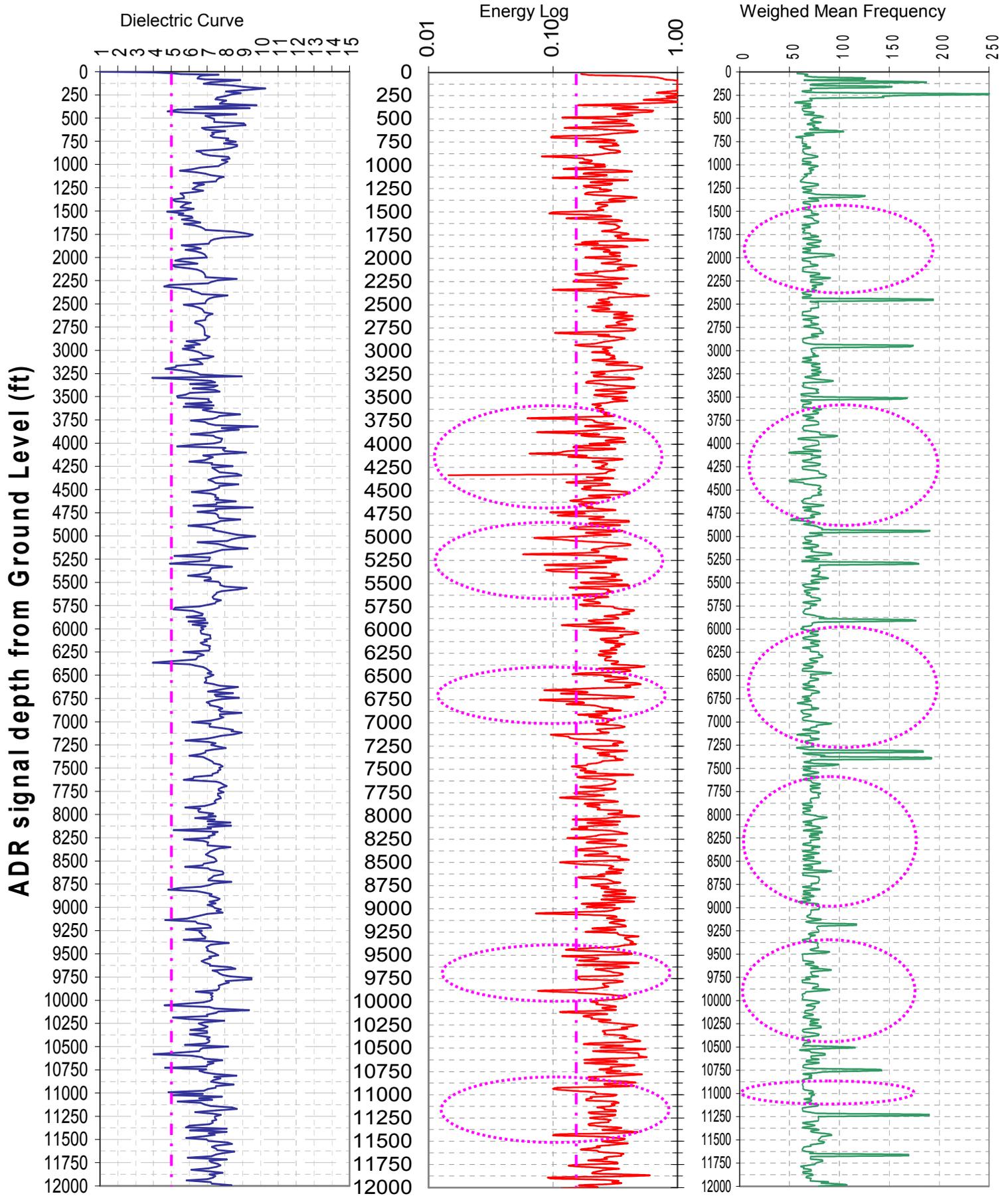
Key to Depths (ft)

- 0 - 2000
- 2000 - 4000
- 4000 - 6000
- 6000 - 8000
- 8000 - 10000
- 10000 - 12000

Monaga 1: Adrok Logs Interpretation



Monaga 1: Adrok Logs (8000ft to 12000ft)



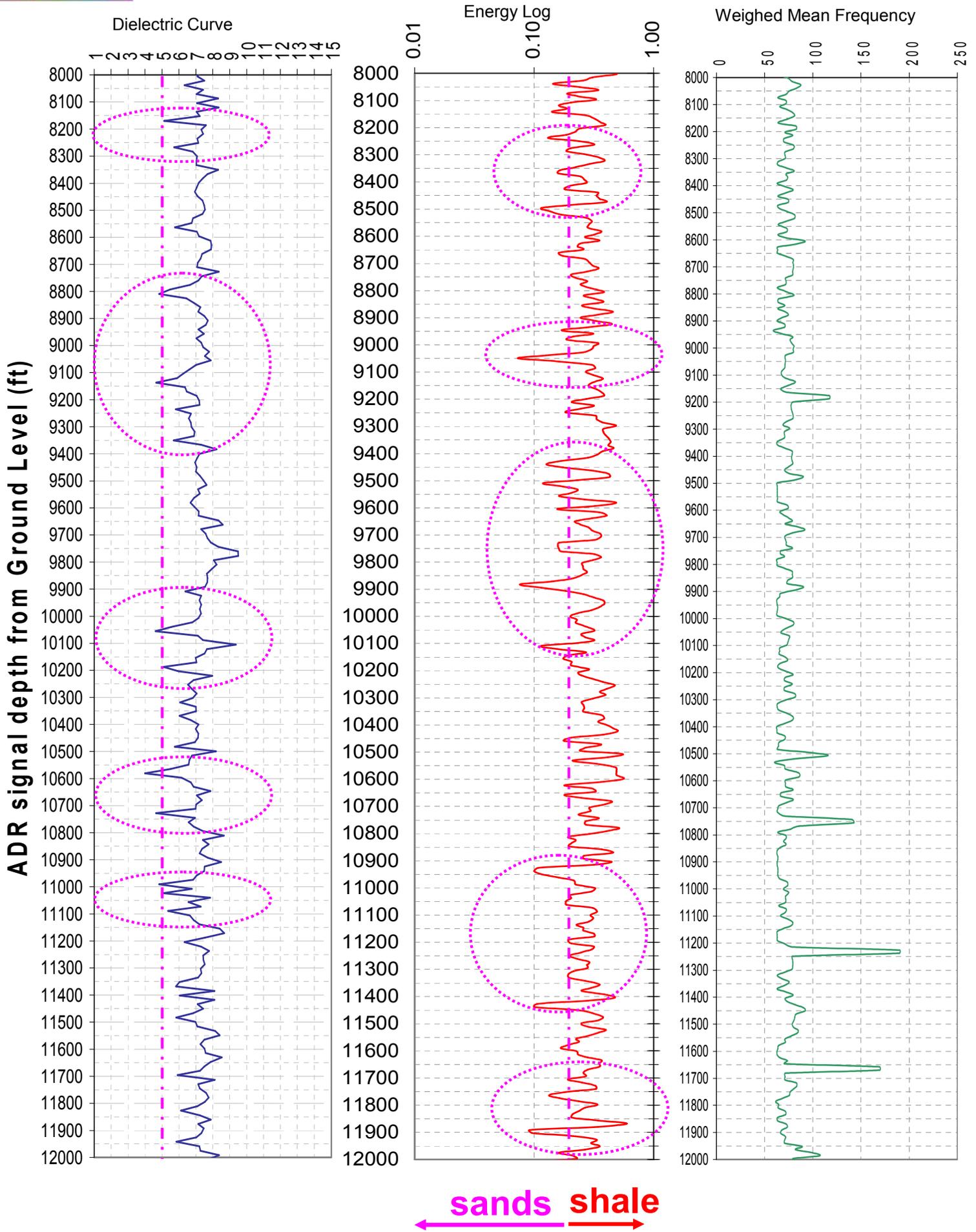
Blind Test 2: Adrok Logs (0ft to 12000ft)

Interpretation Indicators:

- Dielectric values that tend toward or below 5 which can be an indicator of sands with hydrocarbons
- Training has shown that areas of low energy can indicate sandstone
- Lower values of WMF can indicate shale, also the WMF shows depth zones which are relatively constant.

| Depths (ft) showing low dielectric -> 5 | Depths (ft) showing low energy response | Depths (ft) showing constant WMF |
|---|---|--|
| 427 | 483 | 1000 |
| 1066 | 700 | 1750 |
| 1378 | 903 | 2750 |
| 1509 | 1136 | 3250 |
| 2083 | 1519 | 4250 |
| 2313 | 2340 | 5500 |
| 3199 | 2800 | 6500 |
| 3297 | 3721 | 8250 |
| 3510 | 3870 | 10000 |
| 4035 | 4101 | 11000 |
| 5217 | 4343 | 11500 |
| 5297 | 4734 | |
| 5791 | 5016 | |
| 6365 | 5185 | |
| 8169 | 5298 | |
| 8809 | 5356 | |
| 10056 | 5949 | |
| 10187 | 6475 | |
| 10728 | 6761 | |
| 10991 | 7136 | |
| 11024 | 7813 | |
| | 8238 | |
| | 8497 | |
| | 9050 | |
| | 9440 | |
| | 9895 | |
| | 10109 | |
| | 10938 | |
| | 11439 | |
| | 11763 | |
| | 11903 | |

| Key to Depths (ft) | |
|--------------------|--|
| 0 - 2000 | |
| 2000 - 4000 | |
| 4000 - 6000 | |
| 6000 - 8000 | |
| 8000 - 10000 | |
| 10000 - 12000 | |



Blind Test 2: Adrok Logs (8000ft to 12000ft)