

| | | | | | | | | | | | | | | | | | | | |
|---------------------------|--------------|-------------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Type | | KCl/Polymer | | | | | | | | | | | | | | | | | |
| Mud weight | sg | 1.1 | | | | | | | | | | | | | | | | | |
| Solids | % | 5 | | | | | | | | | | | | | | | | | |
| Chlorides | mg/l | 31,000 | | | | | | | | | | | | | | | | | |
| Rm | ohm.m @ degC | 0.149 @ 26 | | | | | | | | | | | | | | | | | |
| Rmf | ohm.m @ degC | 0.138 @ 28 | | | | | | | | | | | | | | | | | |
| Rmc | ohm.m @ degC | 0.208 @ 28 | | | | | | | | | | | | | | | | | |
| Potassium | mg/l | 27,000 | | | | | | | | | | | | | | | | | |
| Environmental data | | | | | | | | | | | | | | | | | | | |
| GR | | | | | | | | | | | | | | | | | | | |
| Mud weight | sg | 1.1 | | | | | | | | | | | | | | | | | |
| Bit size | in | 8.5 | | | | | | | | | | | | | | | | | |
| Resistivity | | | | | | | | | | | | | | | | | | | |
| Neutron porosity | | | | | | | | | | | | | | | | | | | |
| Hole Size | | | | | | | | | | | | | | | | | | | |
| Mud weight | | | | | | | | | | | | | | | | | | | |
| Temperature | | | | | | | | | | | | | | | | | | | |
| Mud salinity | | | | | | | | | | | | | | | | | | | |
| Formation salinity | | | | | | | | | | | | | | | | | | | |
| Recording rate 1 | SEC | 5 | | | | | | | | | | | | | | | | | |
| Recording rate 2 | SEC | 5 | | | | | | | | | | | | | | | | | |
| Filtering GR | | 3 point | | | | | | | | | | | | | | | | | |
| Filtering density | | | | | | | | | | | | | | | | | | | |
| Filtering Neutron | | | | | | | | | | | | | | | | | | | |
| Company representative | | M.Jackson | T.Bray | | | | | | | | | | | | | | | | |
| Anadrill personnel | | A.Strahan | M.Saicic | | | | | | | | | | | | | | | | |

DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

| | | |
|---|------------------------|------------------------|
| OTHER SERVICES FOR RUN1 MWD 4-axis vibration/shock monitoring APWD monitoring | OTHER SERVICES FOR RUN | OTHER SERVICES FOR RUN |
| REMARKS: RUN NUMBER 1 Drilled in rotary mode from 250-391m Environmental corrections applied: ARC GR - K+, borehole size and mud weight ARC Resistivity is borehole compensated but not environmentally corrected 28 Apr 01 7:15 Initilise ARC#87 8:30 BHA below rotary table 15:40 On bottom drilling at 250m 29 Apr 01 2:30 TD at 391m 4:30 BHA above rotary table. Layout BHA 5:00 Download memory data from ARC | REMARKS: RUN NUMBER | REMARKS: RUN NUMBER |

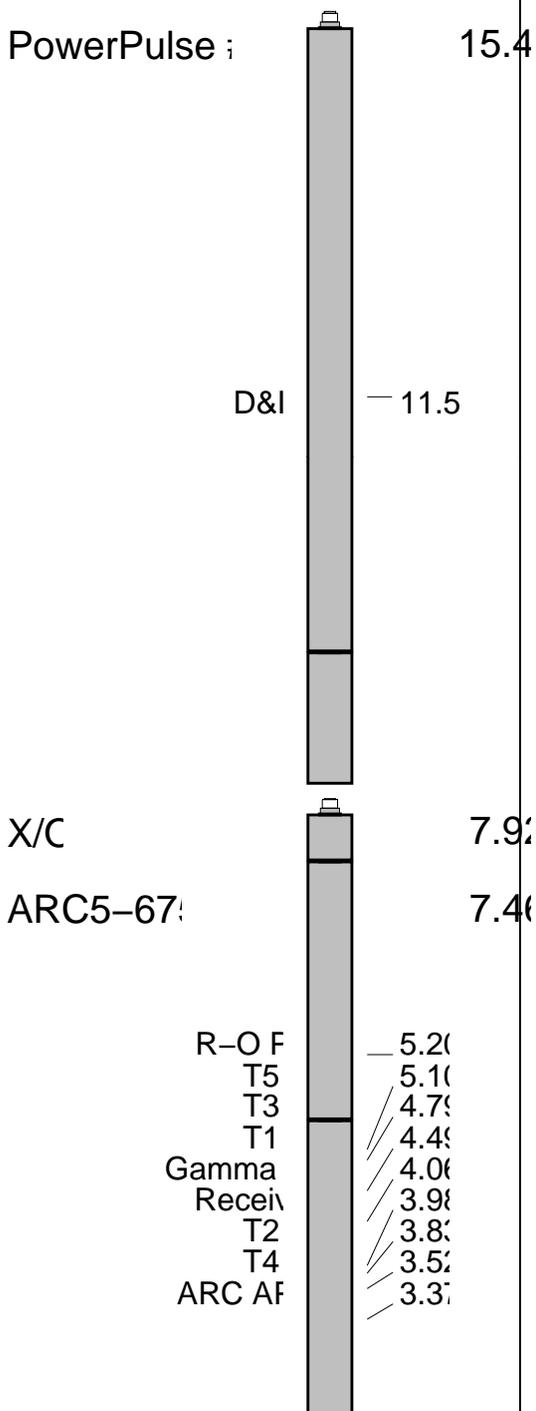
EQUIPMENT DESCRIPTION

RUN1

RUN

RUN

DOWNHOLE E





IDEAL Version: ID6_1C_03
IDF

ARC5_675 id6_1c_03 MWD_10 id6_1c_03

Format: ARC6 Detail Vertical Scale: 1:200 Graphics File Created: 29-Apr-2001 10:35

Parameters

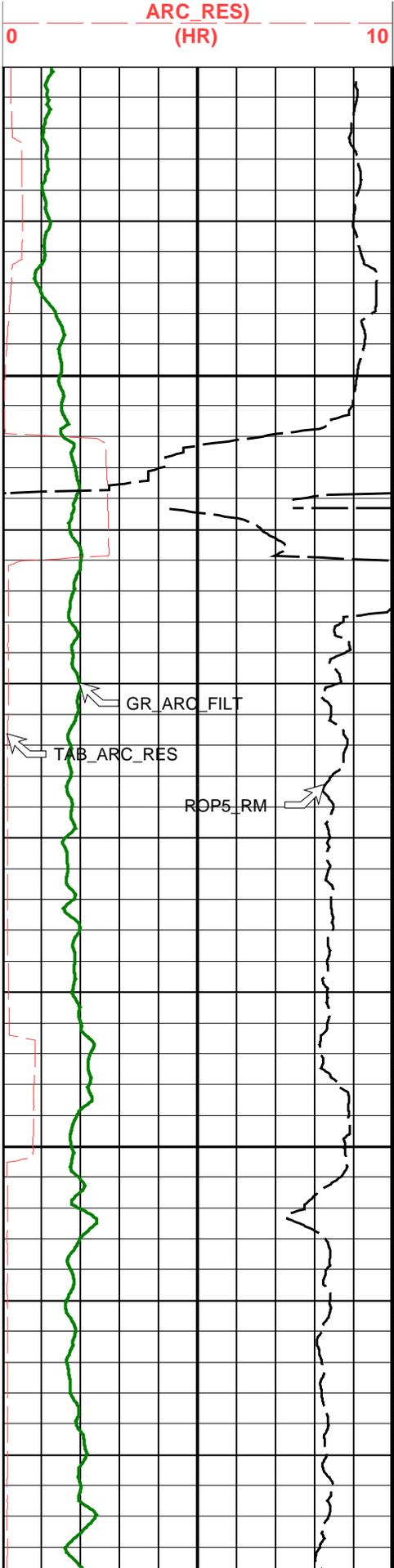
| DLIS Name | Description | Value | |
|-----------|---|---|---------|
| AAPS | ARC5 Attenuation and Phase-Shift source | 1_UPHOLE | |
| APICG | ARC5 Gamma Ray Gain Factor | 1.091 | |
| ATRN | ARC5 Tool Run Number | EAGLEBAYAARC APWD PP | |
| ATSN | ARC5 Tool Serial Number | 087 | |
| BHFCT_ARC | ARC5:GR Borehole Factor | 1.740 | |
| BS_RM | Bit Size (RM) | 8.500 | in |
| DO | Depth Offset | 0.0 | m |
| KPER | ARC5:Potassium Concentration | 27000.0 | |
| MST_RM | Mud Sample temperature (RM) | 26.100 | degC |
| MW_RM | Mud Weight (RM) | 9.180 | lbm/gal |
| RMS_RM | Resistivity of Mud Sample (RM) | 0.149 | ohm.m |
| VERS_ARC | ARC5 Down hole software version Number | 6.300 | |
| WRK | ARC5: Way to Report Potassium Concentration | POTASSIUM_BY_PARTS_PER_MILLION_IE_MG/KG | |

PIP SUMMARY

- ├ ARC Resistivity Samples
- └ ARC Gamma Ray Samples

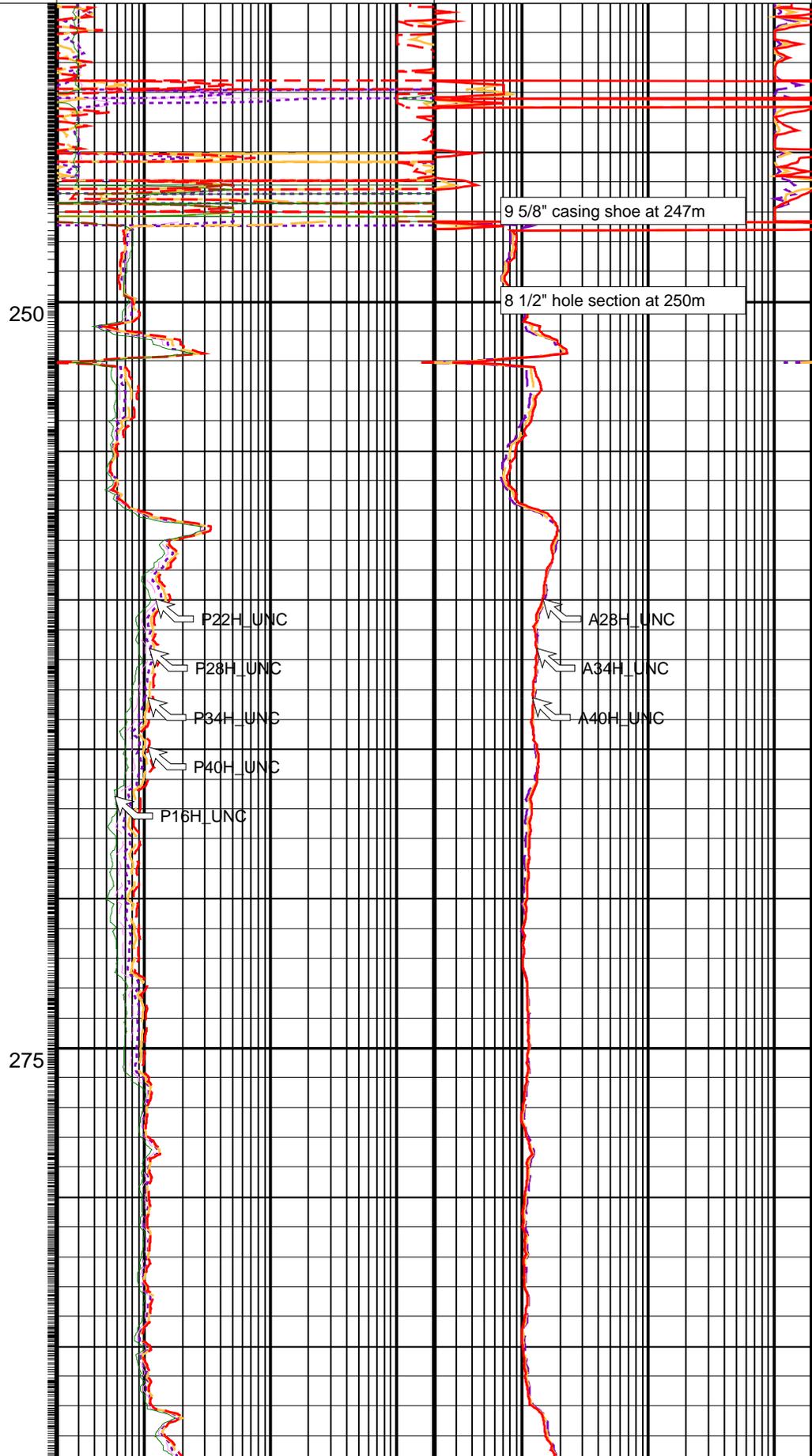
| | | |
|--|--|--|
| | <u>ARC Non-BHCorr Phase-Shift Resistivity 40-in. at 2 MHz (P40H_UNC)</u> 0.2 (OHMM) 200 | |
| | <u>ARC Non-BHCorr Phase-Shift Resistivity 16-in. at 2 MHz (P16H_UNC)</u> 0.2 (OHMM) 200 | |
| <u>ARC Calibrated, Filtered Gamma Ray (GR_ARC_FILT)</u> 0 (GAPI) 200 | <u>ARC Non-BHCorr Phase-Shift Resistivity 34-in. at 2 MHz (P34H_UNC)</u> 0.2 (OHMM) 200 | <u>ARC Non-BHCorr Attenuation Resistivity 40-in. at 2 MHz (A40H_UNC)</u> 0.2 (OHMM) 200 |
| <u>Rate of Penetration, Averaged over Last 5ft (ROP5_RM)</u> 200 (M/HR) 0 | <u>ARC Non-BHCorr Phase-Shift Resistivity 28-in. at 2 MHz (P28H_UNC)</u> 0.2 (OHMM) 200 | <u>ARC Non-BHCorr Attenuation Resistivity 34-in. at 2 MHz (A34H_UNC)</u> 0.2 (OHMM) 200 |
| <u>ARC Resistivity Time After Bit (TAB_ARC_RES)</u> | <u>ARC Non-BHCorr Phase-Shift Resistivity 22-in. at 2 MHz (P22H_UNC)</u> | <u>ARC Non-BHCorr Attenuation Resistivity 28-in. at 2 MHz (A28H_UNC)</u> |

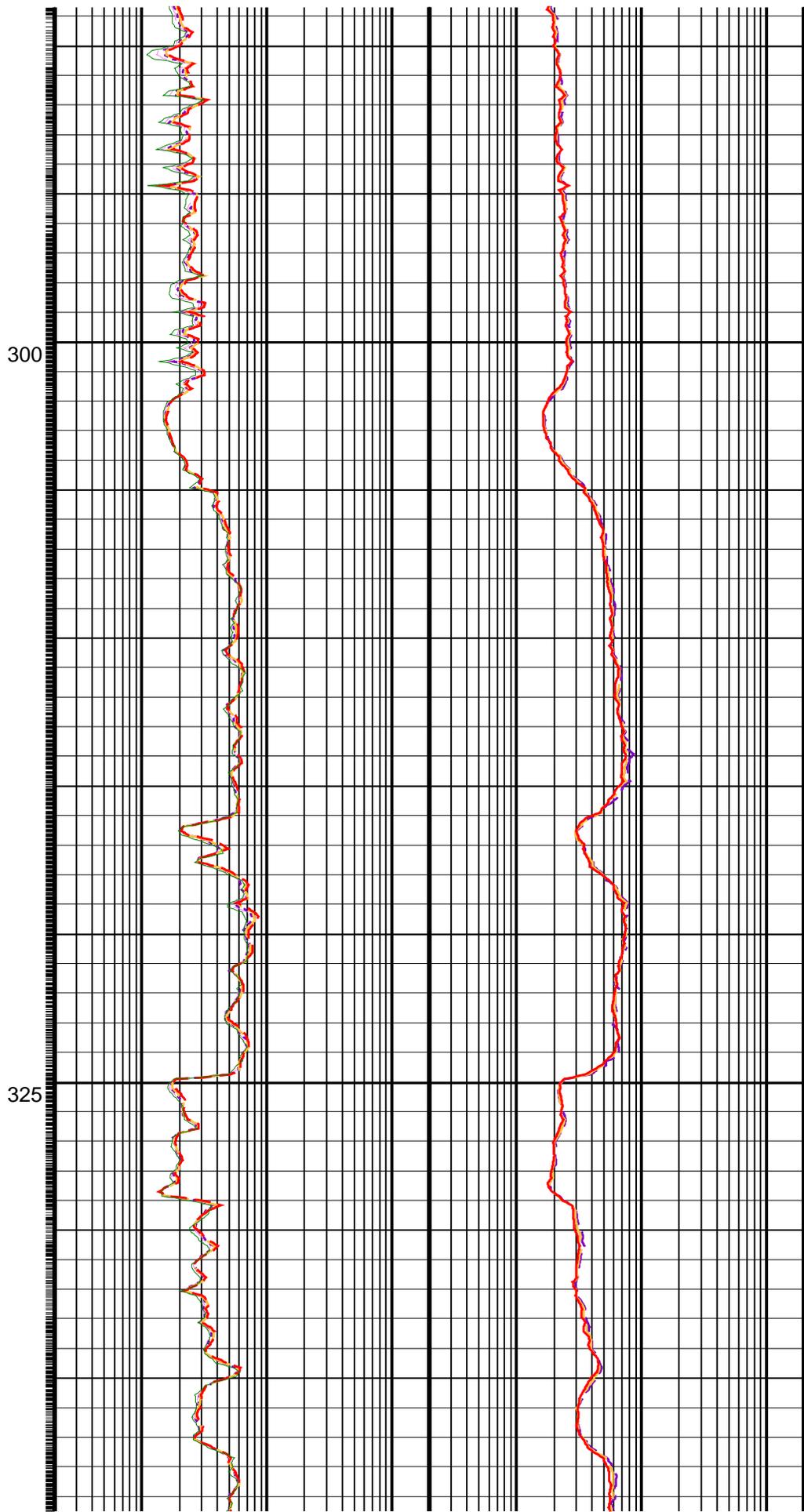
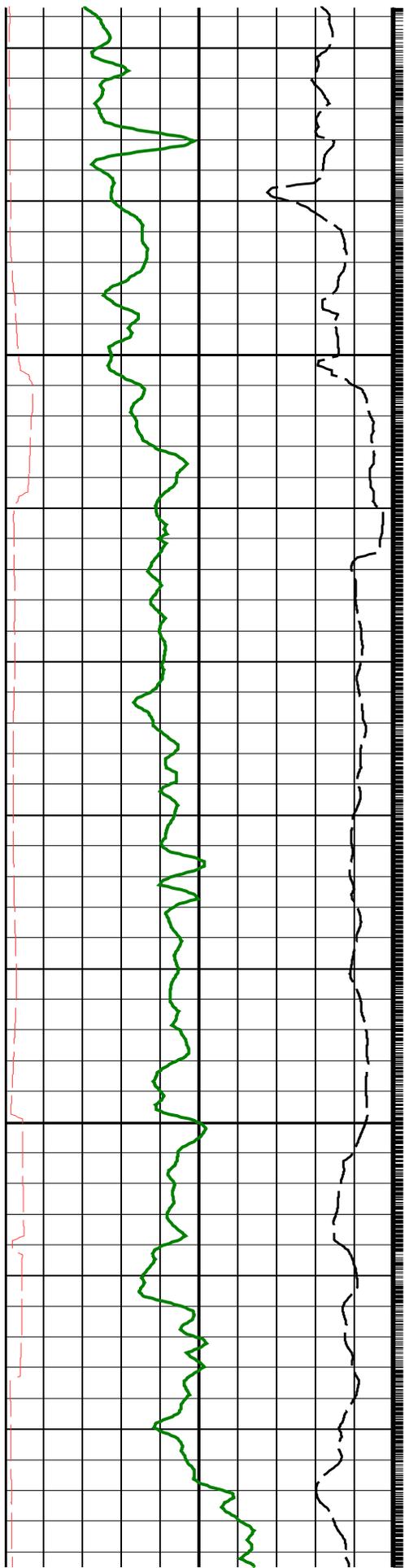
ARC Resistivity Time After Bit (TAB_
ARC_RES)
(HR)

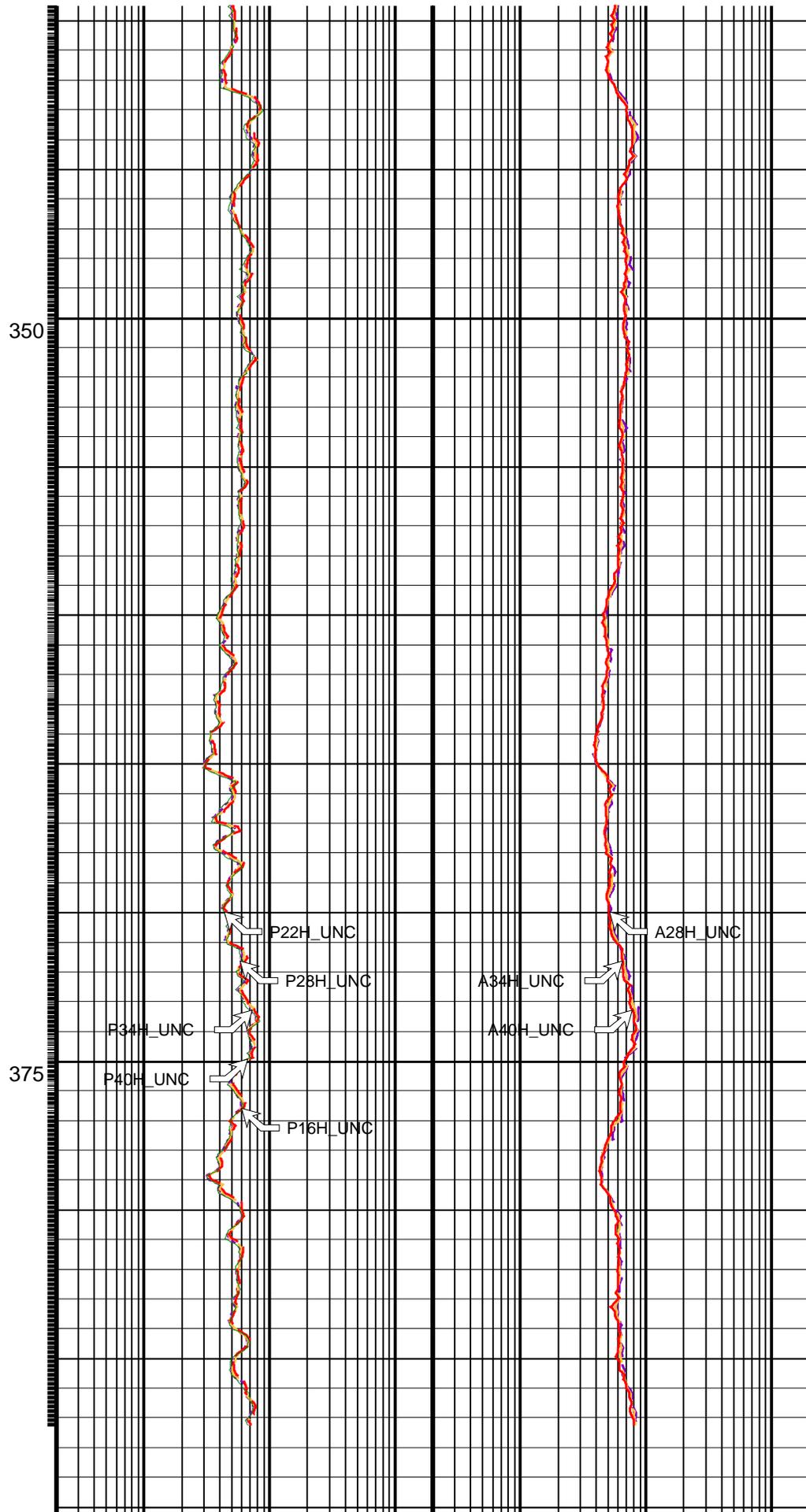
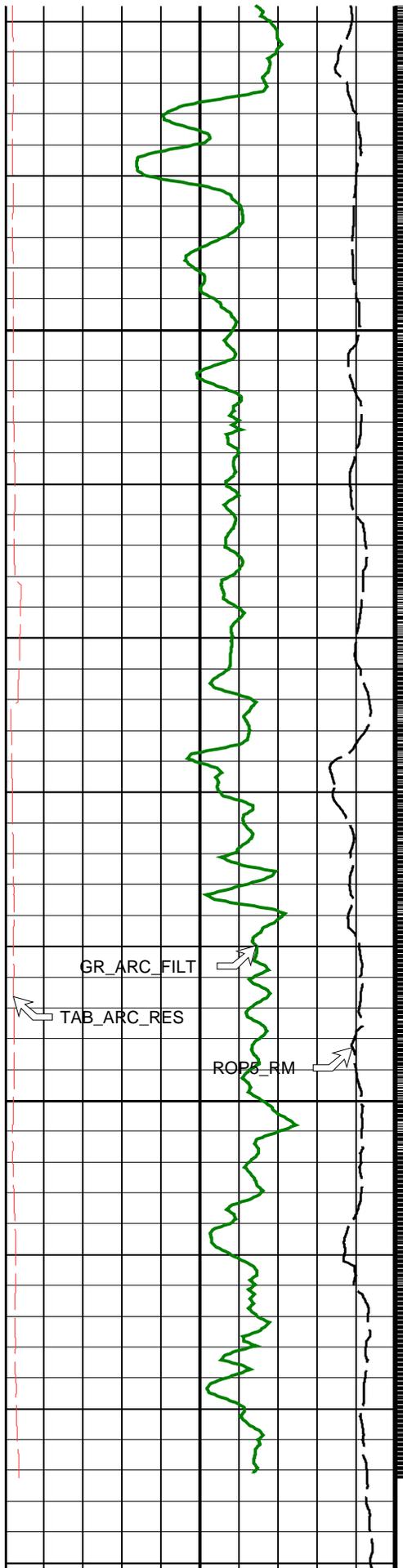


ARC Non-BHCorr Phase-Shift
Resistivity 22-in. at 2 MHz (P22H_UNC)
(OHMM)

ARC Non-BHCorr Attenuation
Resistivity 28-in. at 2 MHz (A28H_UNC)
(OHMM)







| | | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| ARC Resistivity Time After Bit (TAB_ ARC_RES) 0 (HR) 10 | | | ARC Non-BHCorr Phase-Shift Resistivity 22-in. at 2 MHz (P22H_ UNC) 0.2 (OHMM) 200 | | | ARC Non-BHCorr Attenuation Resistivity 28-in. at 2 MHz (A28H_ UNC) 0.2 (OHMM) 200 | | |
| Rate of Penetration, Averaged over Last 5ft (ROP5_RM) 200 (M/HR) 0 | | | ARC Non-BHCorr Phase-Shift Resistivity 28-in. at 2 MHz (P28H_ UNC) 0.2 (OHMM) 200 | | | ARC Non-BHCorr Attenuation Resistivity 34-in. at 2 MHz (A34H_ UNC) 0.2 (OHMM) 200 | | |
| ARC Calibrated, Filtered Gamma Ray (GR_ARC_FILT) 0 (GAPI) 200 | | | ARC Non-BHCorr Phase-Shift Resistivity 34-in. at 2 MHz (P34H_ UNC) 0.2 (OHMM) 200 | | | ARC Non-BHCorr Attenuation Resistivity 40-in. at 2 MHz (A40H_ UNC) 0.2 (OHMM) 200 | | |
| | | | ARC Non-BHCorr Phase-Shift Resistivity 16-in. at 2 MHz (P16H_ UNC) 0.2 (OHMM) 200 | | | | | |
| | | | ARC Non-BHCorr Phase-Shift Resistivity 40-in. at 2 MHz (P40H_ UNC) 0.2 (OHMM) 200 | | | | | |

TD at 391m

PIP SUMMARY

- ARC Resistivity Samples
- ARC Gamma Ray Samples

IDEAL Version: ID6_1C_03
IDF

ARC5_675

id6_1c_03

MWD_10

id6_1c_03

6.75-in. Array Resistivity Compensated / Equipment Identification

Primary Equipment:
Tool Name and Serial Number
ARC675 Calibration Status

ARC - 675 #087
OK

Master: 25-APR-01

6.75-in. Array Resistivity Compensated Calibration

Resistivity: Air

| Phase | Phase-Shift T1 | DEG | Value | Phase | Phase-Shift T2 | DEG | Value | Phase | Phase-Shift T3 | DEG | Value |
|--------|--------------------------|---------------------|--------------------|--------|--------------------------|---------------------|--------------------|--------|--------------------------|---------------------|--------------------|
| Master | | | -0.2200 | Master | | | 0.5200 | Master | | | -0.3600 |
| | -3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) | | -3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) | | -3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) |
| Phase | Phase-Shift T4 | DEG | Value | Phase | Phase-Shift T5 | DEG | Value | Phase | Phase-Shift T1 at 400KHz | DEG | Value |
| Master | | | 0.4200 | Master | | | -0.4200 | Master | | | -0.5800 |
| | -3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) | | -3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) | | -3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) |
| Phase | Phase-Shift T2 at 400KHz | DEG | Value | Phase | Phase-Shift T3 at 400KHz | DEG | Value | Phase | Phase-Shift T4 at 400KHz | DEG | Value |
| Master | | | 0.6400 | Master | | | -0.5800 | Master | | | 0.6400 |
| | -3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) | | -3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) | | -3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) |
| Phase | Phase-Shift T5 at 400KHz | DEG | Value | | | | | | | | |
| Master | | | -0.5500 | | | | | | | | |
| | -3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) | | | | | | | | |

Master: 25-APR-01

6.75-in. Array Resistivity Compensated Calibration

Master: 25-APR-01

| 6.75-in. Array Resistivity Compensated Calibration | | | | | | | | | | | | | | |
|--|-----------------------------|--------------------|--------------------|-------|--------|-----------------------------|--------------------|--------------------|-------|--------|-----------------------------|--------------------|--------------------|-------|
| Resistivity: Air | | | | | | | | | | | | | | |
| Phase | Attenuation T1 DB | | | Value | Phase | Attenuation T2 DB | | | Value | Phase | Attenuation T3 DB | | | Value |
| Master | | | | 8.550 | Master | | | | 6.485 | Master | | | | 5.159 |
| | 6.500 (Minimum) | 8.500 (Nominal) | 10.50 (Maximum) | | | 4.500 (Minimum) | 6.500 (Nominal) | 8.500 (Maximum) | | | 2.500 (Minimum) | 4.500 (Nominal) | 6.500 (Maximum) | |
| Phase | Attenuation T4 DB | | | Value | Phase | Attenuation T5 DB | | | Value | Phase | Attenuation T1 at 400KHz DB | | | Value |
| Master | | | | 4.329 | Master | | | | 3.671 | Master | | | | 8.510 |
| | 2.600 (Minimum) | 4.600 (Nominal) | 6.600 (Maximum) | | | 1.600 (Minimum) | 3.600 (Nominal) | 5.600 (Maximum) | | | 6.500 (Minimum) | 8.500 (Nominal) | 10.50 (Maximum) | |
| Phase | Attenuation T2 at 400KHz DB | | | Value | Phase | Attenuation T3 at 400KHz DB | | | Value | Phase | Attenuation T4 at 400KHz DB | | | Value |
| Master | | | | 6.470 | Master | | | | 5.110 | Master | | | | 4.360 |
| | 4.500 (Minimum) | 6.500 (Nominal) | 8.500 (Maximum) | | | 2.500 (Minimum) | 4.500 (Nominal) | 6.500 (Maximum) | | | 2.600 (Minimum) | 4.600 (Nominal) | 6.600 (Maximum) | |
| Phase | Attenuation T5 at 400KHz DB | | | Value | | | | | | | | | | |
| Master | | | | 3.670 | | | | | | | | | | |
| | 1.600 (Minimum) | 3.600 (Nominal) | 5.600 (Maximum) | | | | | | | | | | | |

| Master: 25-APR-01 | | | | | | | | | | | | | | |
|--|--|--|--|--------------------|--|--|--|--|--|--------------------|--|--|-------|--|
| 6.75-in. Array Resistivity Compensated Calibration | | | | | | | | | | | | | | |
| Gamma Ray: Blanket | | | | | | | | | | | | | | |
| Phase | Gamma ray factor (equals Calibration Gain multiplied by API Gain Factor) CPS | | | | | | | | | | | | Value | |
| Master | | | | | | | | | | | | | 5.237 | |
| | 3.840 (Minimum) | | | 4.800 (Nominal) | | | | | | 6.000 (Maximum) | | | | |

Company: **Eagle Bay Resources**

Well: **Northright-1** Exploration

Field: **VIC/P-41**

Rig: **Ocean Bounty**

State: **Victoria**

IDEAL services from **Anadrill**

ARC Resistivity / GR
Measured Depth
Scale 1:200

Schlumberger