

|   |  |                            |  |                 |  |                      |  |                          |  |                    |  |
|---|--|----------------------------|--|-----------------|--|----------------------|--|--------------------------|--|--------------------|--|
| Company: BP Development Australia Pty Ltd   |  | Well: Ironbark-1           |  | Field: Ironbark |  | Rig Name: Ocean Apex |  | State: Western Australia |  | Country: Australia |  |
| <div>Drilling Mechanics Depth</div> <div>1:200 Measured Depth</div> <div>Recorded Mode Data</div> <div>Schlumberger</div>   |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| Company: BP Development Australia Pty Ltd   |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| Well: Ironbark-1  |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| Field: Ironbark   |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| Rig Name: Ocean Apex  |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| State: Western Australia  |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| Country: Australia  |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| Latitude: 19° 9' 34.079" S  |  | UWID: 20AWA0029            |  |                 |  |                      |  |                          |  |                    |  |
| Longitude: 116° 4' 35.795" E  |  | Rig Name: Ocean Apex       |  |                 |  |                      |  |                          |  |                    |  |
| Block: WA-359-P   |  | Rig Type: Semi-Submersible |  |                 |  |                      |  |                          |  |                    |  |
| FL: WA-359-P  |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| FL1: Northing: 7,881,270.990 m  |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| FL2: Easting: 402,902.910 m   |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| <div>Log Measured From: - Drill Floor: 23.85 m</div> <div>Permanent Datum: - Mean Sea Level</div> <div>Ground Level: 300.95 m</div> <div>Other Services: VISION Service</div> <div>InterACT</div> <div>Directional Services</div> |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| Acquisition Dates: 25-Dec-2020 -- 30-Dec-2020   |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| Log Interval: 5150.00(m) -- 5618.00(m)  |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| Index Types: Measured Depth   |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| Index Scales: 1:200   |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| Depth Source: Driller's Depth   |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| Depth Sensor: DES   |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| Print Type: Final   |  |                            |  |                 |  |                      |  |                          |  |                    |  |
| Spud Date: 31-OCT-2020  |  |                            |  |                 |  |                      |  |                          |  |                    |  |

Disclaimer

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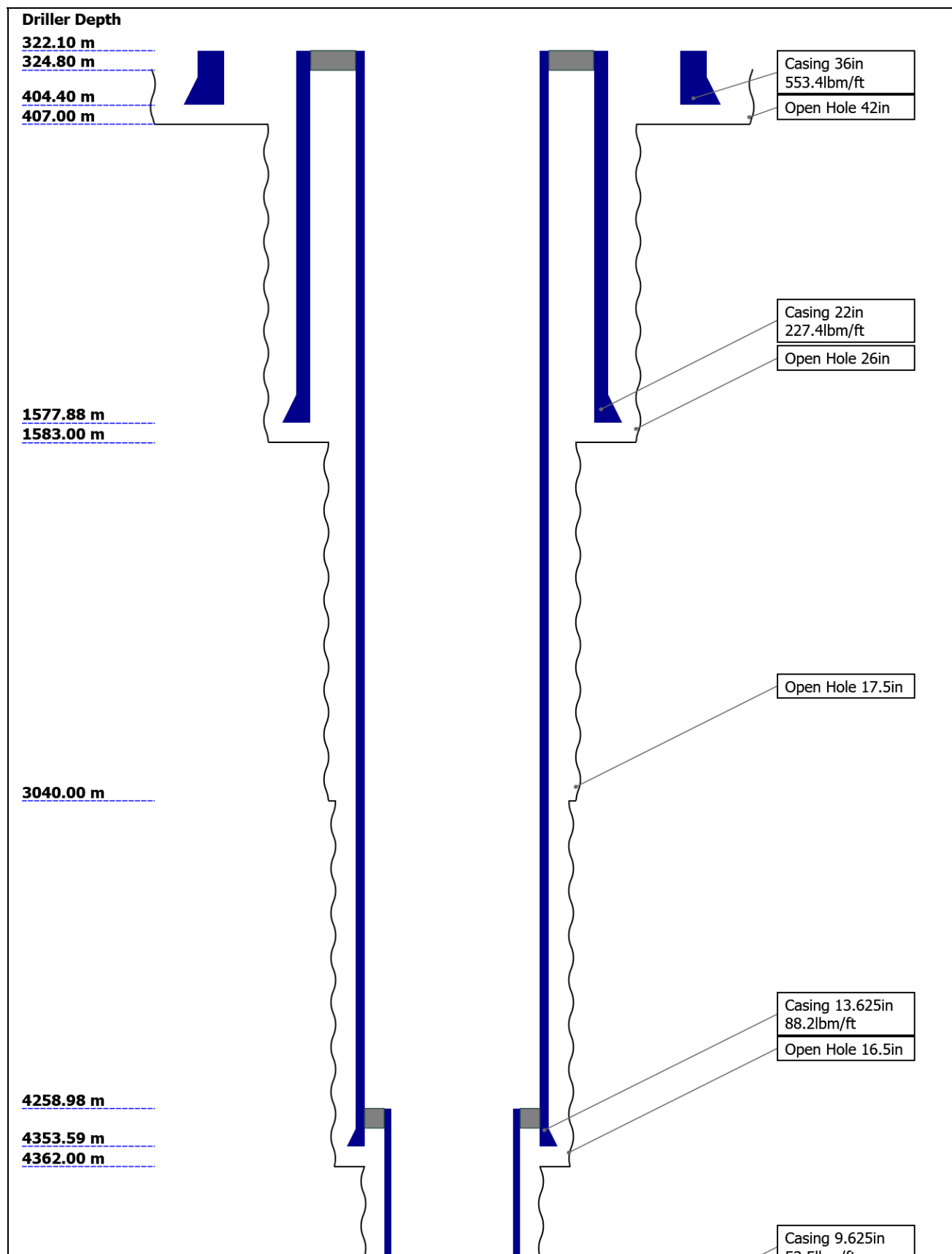
9.4 Log ( 8.5in\_DML\_Depth RM )

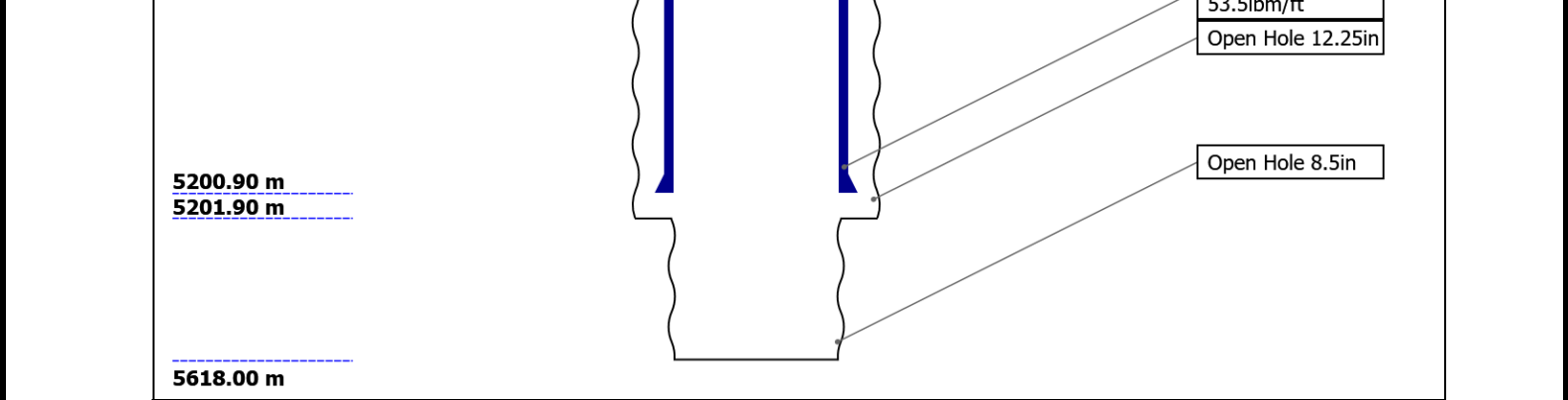
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## Well Sketch





Borehole Size/Casing Record







|                       |        |         |         |         |        |        |
|-----------------------|--------|---------|---------|---------|--------|--------|
| Bit                   |        |         |         |         |        |        |
| Bit Size ( in )       | 42     | 26      | 17.5    | 16.5    | 12.25  | 8.5    |
| Top Driller ( m )     | 324.8  | 407     | 1583    | 3040    | 4362   | 5201.9 |
| Bottom Driller ( m )  | 407    | 1583    | 3040    | 4362    | 5201.9 | 5618   |
| Casing                |        |         |         |         |        |        |
| Size ( in )           | 36     | 22      | 13.625  | 9.625   |        |        |
| Weight ( lbm/ft )     | 553.4  | 227.4   | 88.2    | 53.5    |        |        |
| Inner Diameter ( in ) | 32.191 | 20.018  | 12.375  | 8.639   |        |        |
| Grade                 | X56    | N/A     | N/A     | P110    |        |        |
| Top Driller ( m )     | 322.1  | 322.1   | 322.1   | 4258.98 |        |        |
| Bottom Driller ( m )  | 404.4  | 1577.88 | 4353.59 | 5200.9  |        |        |

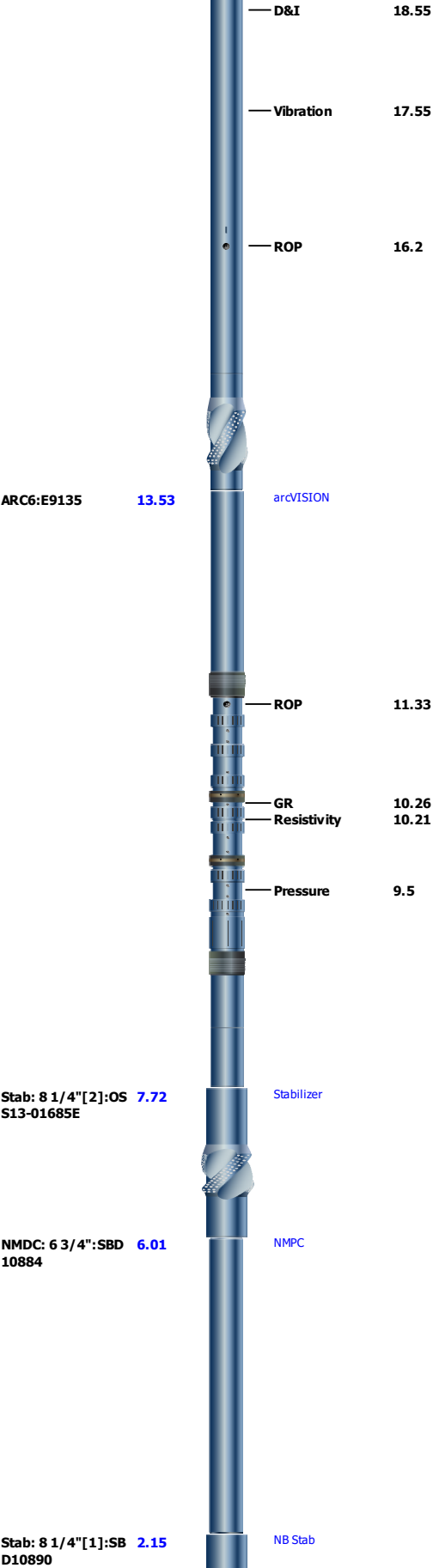
Operational Run Summary

|                                  |                             |  |  |  |  |  |
|----------------------------------|-----------------------------|--|--|--|--|--|
| Parameter ( unit )               | Run8_8.5in                  |  |  |  |  |  |
| Date Log Started                 | 25-Dec-2020                 |  |  |  |  |  |
| Time Log Started                 | 20:13:26                    |  |  |  |  |  |
| Date Log Finished                | 30-Dec-2020                 |  |  |  |  |  |
| Time Log Finished                | 09:47:12                    |  |  |  |  |  |
|                                  |                             |  |  |  |  |  |
| Bit Size ( in )                  | 8.500                       |  |  |  |  |  |
| Bit Start Depth ( m )            | 5201.90                     |  |  |  |  |  |
| Bit Stop Depth ( m )             | 5618.00                     |  |  |  |  |  |
| Top Log Interval ( m )           | 5150.00                     |  |  |  |  |  |
| Bottom Log Interval ( m )        | 5608.50                     |  |  |  |  |  |
|                                  |                             |  |  |  |  |  |
| Max Hole Deviation ( deg )       | 1.52                        |  |  |  |  |  |
| Azimuth of Max Deviation ( deg ) | 305.09                      |  |  |  |  |  |
|                                  |                             |  |  |  |  |  |
| Logging Unit Number              | 1010979                     |  |  |  |  |  |
| Logging Unit Location            | Portside Deck               |  |  |  |  |  |
| Recorded By                      | B.Yang/K.Hasan<br>ov/S.Lewy |  |  |  |  |  |
| Witnessed By                     | S.Southworth/M.<br>Jones    |  |  |  |  |  |
| Service Order Number             | 20AWA0029                   |  |  |  |  |  |

Remarks and Equipment Summary

# Remarks and Equipment Summary

| Run8_8.5in: Toolstring               |                        |  |               | Run8_8.5in: Remarks   |
|--------------------------------------|------------------------|--|---------------|---|
| <b>Equip name</b><br>ADN6C:H7429/1   | <b>Length</b><br>37.92 |  <b>MP name</b><br>adnVISION | <b>Offset</b> | Depth is referenced to Driller's Depth.   |
|                                      |                        |  |               | Depth is tide-corrected.  |
|                                      |                        |  |               | DES consists of a Geolograph and GTE.   |
|                                      |                        |  |               | Pump Strokes, Surface Torque, and Surface RPM data is taken from the Geoservices via wits.  |
|                                      |                        |  |               | arcVISION Gamma Ray is corrected for mud weight, bit size, collar thickness and potassium content in the mud.   |
|                                      |                        |  |               | arcVISION Resistivity is borehole compensated and environmentally corrected for bit size, mud resistivity and temperature.  |
|                                      |                        |  |               | sonicVISION Delta-T is borehole compensated.  |
|                                      |                        |  |               | adnVISION Neutron Porosity is corrected for borehole size, mud salinity, temperature and mud hydrogen index (a factor of mud weight, temperature and pressure).   |
|                                      |                        |  |               | adnVISION Density is compensated for standoff with the spine and rib algorithm which determines a correction factor.  |
|                                      |                        |  |               | 17.5x21.2in was drilled with 17.5in bit but enlarged to 21.2in later, all the LWD tools were logging under 17.5in environment, so bit size has to be set as 17.5in on that section for environment correction purpose, and no 18in casing can be added. |
| <b>SONICVISION6:A0</b><br>847        | <b>31.3</b>            | <br>sonicVISION               |               | Run Objective: Drill 8.5in hole to well total depth.  |
|                                      |                        |  |               | Reason for POOH: Well Total Depth@5618mMD.  |
|                                      |                        |  |               |   |
|                                      |                        | <br>Delta-T                 | <b>28.26</b>  |   |
|                                      |                        |  |               |   |
|                                      |                        | <br>ROP                     | <b>27.86</b>  |   |
|                                      |                        |  |               |   |
| <b>Stab: 6 3/4":OSS1</b><br>5-01319B | <b>24.12</b>           | <br>ILS                     |               |   |
|                                      |                        |  |               |   |
| <b>TELE675:N18M006</b><br>8          | <b>22.89</b>           | <br>TeleScope               |               |   |
|                                      |                        |  |               |   |





Bit: 8 1/2":135144 0.31  
00

PDC Bit

TOOL\_ZERO

Length: 1.00 in m

Maximum Outer Diameter = 8.500 in

Line: Sensor Location, Value: Gating Offset

All measurements are relative to TOOL\_ZERO

## Survey Record

### Survey Calculation

|                    |                             |                            |                                 |
|--------------------|-----------------------------|----------------------------|---------------------------------|
| Method :           | Minimum Radius of Curvature | DLS Method :               | Lubinski                        |
| North Reference :  | Grid North                  | Total Correction Formula : | Magnetic Dec - Grid Convergence |
| Grid Convergence : | 0.30 deg                    |                            |                                 |

### Rig Location

|            |                  |             |                   |
|------------|------------------|-------------|-------------------|
| Latitude : | 19° 9' 34.079" S | Longitude : | 116° 4' 35.795" E |
|------------|------------------|-------------|-------------------|

### Tie In Point

|                      |        |                     |          |                           |          |
|----------------------|--------|---------------------|----------|---------------------------|----------|
| Measured Depth:      | 0.00 m | Inclination:        | 0.00 deg | Azimuth:                  | 0.00 deg |
| True Vertical Depth: | 0.00 m | North Displacement: | 0.00 m   | East Displacement:        | 0.00 m   |
| N/-S VSec Origin:    | 0.00 m | E/-W VSec Origin:   | 0.00 m   | Vertical Section Azimuth: | 0.00 deg |

### D&I Inits Computed and Values Used - Run1\_26inx42in

|                             |                          |                         |                          |
|-----------------------------|--------------------------|-------------------------|--------------------------|
| Geomagnetic Model :         | BGGM 2020                | Geomagnetic Date :      | 30-Oct-2020              |
| Computed Location B :       | 51138.82 nT +/- 300.00nT | Used Location B :       | 51138.83 nT +/- 300.00nT |
| Computed Location G :       | 997.89 mgn +/- 2.50mgn   | Used Location G :       | 997.90 mgn +/- 2.50mgn   |
| Computed Magnetic Dip :     | -50.49 deg +/- 0.45deg   | Used Magnetic Dip :     | -50.49 deg +/- 0.45deg   |
| Computed Magnetic Dec :     | 0.86 deg                 | Used Magnetic Dec :     | 0.86 deg                 |
| Computed Total Correction : | 0.56 deg                 | Used Total Correction : | 0.56 deg                 |

### D&I Inits Computed and Values Used - Run2\_26in

|                             |                          |                         |                          |
|-----------------------------|--------------------------|-------------------------|--------------------------|
| Geomagnetic Model :         | BGGM 2020                | Geomagnetic Date :      | 30-Oct-2020              |
| Computed Location B :       | 51138.82 nT +/- 300.00nT | Used Location B :       | 51138.83 nT +/- 300.00nT |
| Computed Location G :       | 997.89 mgn +/- 2.50mgn   | Used Location G :       | 997.90 mgn +/- 2.50mgn   |
| Computed Magnetic Dip :     | -50.49 deg +/- 0.45deg   | Used Magnetic Dip :     | -50.49 deg +/- 0.45deg   |
| Computed Magnetic Dec :     | 0.86 deg                 | Used Magnetic Dec :     | 0.86 deg                 |
| Computed Total Correction : | 0.56 deg                 | Used Total Correction : | 0.56 deg                 |

### D&I Inits Computed and Values Used - Run3\_17.5x21.2in

|                             |                          |                         |                          |
|-----------------------------|--------------------------|-------------------------|--------------------------|
| Geomagnetic Model :         | BGGM 2020                | Geomagnetic Date :      | 30-Oct-2020              |
| Computed Location B :       | 51138.82 nT +/- 300.00nT | Used Location B :       | 51138.83 nT +/- 300.00nT |
| Computed Location G :       | 997.89 mgn +/- 2.50mgn   | Used Location G :       | 997.90 mgn +/- 2.50mgn   |
| Computed Magnetic Dip :     | -50.49 deg +/- 0.45deg   | Used Magnetic Dip :     | -50.49 deg +/- 0.45deg   |
| Computed Magnetic Dec :     | 0.86 deg                 | Used Magnetic Dec :     | 0.86 deg                 |
| Computed Total Correction : | 0.56 deg                 | Used Total Correction : | 0.56 deg                 |

### D&I Inits Computed and Values Used - Run4\_17.5x21.2in

|                             |                          |                         |                          |
|-----------------------------|--------------------------|-------------------------|--------------------------|
| Geomagnetic Model :         | BGGM 2020                | Geomagnetic Date :      | 30-Oct-2020              |
| Computed Location B :       | 51138.82 nT +/- 300.00nT | Used Location B :       | 51138.83 nT +/- 300.00nT |
| Computed Location G :       | 997.89 mgn +/- 2.50mgn   | Used Location G :       | 997.90 mgn +/- 2.50mgn   |
| Computed Magnetic Dip :     | -50.49 deg +/- 0.45deg   | Used Magnetic Dip :     | -50.49 deg +/- 0.45deg   |
| Computed Magnetic Dec :     | 0.86 deg                 | Used Magnetic Dec :     | 0.86 deg                 |
| Computed Total Correction : | 0.56 deg                 | Used Total Correction : | 0.56 deg                 |

### D&I Inits Computed and Values Used - Run5\_16.5in

|                             |                          |                         |                          |
|-----------------------------|--------------------------|-------------------------|--------------------------|
| Geomagnetic Model :         | BGGM 2020                | Geomagnetic Date :      | 30-Oct-2020              |
| Computed Location B :       | 51138.82 nT +/- 300.00nT | Used Location B :       | 51138.83 nT +/- 300.00nT |
| Computed Location G :       | 997.89 mgn +/- 2.50mgn   | Used Location G :       | 997.90 mgn +/- 2.50mgn   |
| Computed Magnetic Dip :     | -50.49 deg +/- 0.45deg   | Used Magnetic Dip :     | -50.49 deg +/- 0.45deg   |
| Computed Magnetic Dec :     | 0.86 deg                 | Used Magnetic Dec :     | 0.86 deg                 |
| Computed Total Correction : | 0.56 deg                 | Used Total Correction : | 0.56 deg                 |

### D&I Inits Computed and Values Used - Run6\_16.5in

|                         |                          |                     |                          |
|-------------------------|--------------------------|---------------------|--------------------------|
| Geomagnetic Model :     | BGGM 2020                | Geomagnetic Date :  | 30-Oct-2020              |
| Computed Location B :   | 51138.82 nT +/- 300.00nT | Used Location B :   | 51138.83 nT +/- 300.00nT |
| Computed Location G :   | 997.89 mgn +/- 2.50mgn   | Used Location G :   | 997.90 mgn +/- 2.50mgn   |
| Computed Magnetic Dip : | -50.49 deg +/- 0.45deg   | Used Magnetic Dip : | -50.49 deg +/- 0.45deg   |

|   |           |                                     |               |                                     |            |                          |              |              |                |                  |                |           |    |    |    |
|---|-----------|-------------------------------------|---------------|-------------------------------------|------------|--------------------------|--------------|--------------|----------------|------------------|----------------|-----------|----|----|----|
| Computed Magnetic Dip :                           |           | -50.49 deg +/- 0.45deg              |               | Used Magnetic Dip :                 |            | -50.49 deg +/- 0.45deg   |              |              |                |                  |                |           |    |    |    |
| Computed Magnetic Dec :                           |           | 0.86 deg                            |               | Used Magnetic Dec :                 |            | 0.86 deg                 |              |              |                |                  |                |           |    |    |    |
| Computed Total Correction :                       |           | 0.56 deg                            |               | Used Total Correction :             |            | 0.56 deg                 |              |              |                |                  |                |           |    |    |    |
| D&I Inits Computed and Values Used - Run7_12.25in |           |                                     |               |                                     |            |                          |              |              |                |                  |                |           |    |    |    |
| Geomagnetic Model :                               |           | BGGM 2020                           |               | Geomagnetic Date :                  |            | 30-Oct-2020              |              |              |                |                  |                |           |    |    |    |
| Computed Location B :                             |           | 51138.82 nT +/- 300.00nT            |               | Used Location B :                   |            | 51138.83 nT +/- 300.00nT |              |              |                |                  |                |           |    |    |    |
| Computed Location G :                             |           | 997.89 mgn +/- 2.50mgn              |               | Used Location G :                   |            | 997.90 mgn +/- 2.50mgn   |              |              |                |                  |                |           |    |    |    |
| Computed Magnetic Dip :                           |           | -50.49 deg +/- 0.45deg              |               | Used Magnetic Dip :                 |            | -50.49 deg +/- 0.45deg   |              |              |                |                  |                |           |    |    |    |
| Computed Magnetic Dec :                           |           | 0.86 deg                            |               | Used Magnetic Dec :                 |            | 0.86 deg                 |              |              |                |                  |                |           |    |    |    |
| Computed Total Correction :                       |           | 0.56 deg                            |               | Used Total Correction :             |            | 0.56 deg                 |              |              |                |                  |                |           |    |    |    |
| D&I Inits Computed and Values Used - Run8_8.5in   |           |                                     |               |                                     |            |                          |              |              |                |                  |                |           |    |    |    |
| Geomagnetic Model :                               |           | BGGM 2020                           |               | Geomagnetic Date :                  |            | 30-Oct-2020              |              |              |                |                  |                |           |    |    |    |
| Computed Location B :                             |           | 51138.82 nT +/- 300.00nT            |               | Used Location B :                   |            | 51138.83 nT +/- 300.00nT |              |              |                |                  |                |           |    |    |    |
| Computed Location G :                             |           | 997.89 mgn +/- 2.50mgn              |               | Used Location G :                   |            | 997.90 mgn +/- 2.50mgn   |              |              |                |                  |                |           |    |    |    |
| Computed Magnetic Dip :                           |           | -50.49 deg +/- 0.45deg              |               | Used Magnetic Dip :                 |            | -50.49 deg +/- 0.45deg   |              |              |                |                  |                |           |    |    |    |
| Computed Magnetic Dec :                           |           | 0.86 deg                            |               | Used Magnetic Dec :                 |            | 0.86 deg                 |              |              |                |                  |                |           |    |    |    |
| Computed Total Correction :                       |           | 0.56 deg                            |               | Used Total Correction :             |            | 0.56 deg                 |              |              |                |                  |                |           |    |    |    |
| Survey Quality Index                              |           |                                     |               |                                     |            |                          |              |              |                |                  |                |           |    |    |    |
| 0 : Long Survey passed all criteria               |           | 2 : Long Survey failed mag criteria |               | 4 : Long Survey failed all criteria |            |                          |              |              |                |                  |                |           |    |    |    |
| 9 : Manual  |           | 28 : Tie-In Point                   |               |                                     |            |                          |              |              |                |                  |                |           |    |    |    |
| Survey Correction Index                           |           |                                     |               |                                     |            |                          |              |              |                |                  |                |           |    |    |    |
| 0 : No correction                                 |           |                                     |               |                                     |            |                          |              |              |                |                  |                |           |    |    |    |
| Survey Description Index                          |           |                                     |               |                                     |            |                          |              |              |                |                  |                |           |    |    |    |
| 0 : Not Flagged Survey                            |           | 7 : Projection to Bit               |               |                                     |            |                          |              |              |                |                  |                |           |    |    |    |
| Seq   | MD<br>(m) | Incl<br>(deg)                       | Azim<br>(deg) | Course<br>(m)                       | TVD<br>(m) | V Sec<br>(m)             | N/ -S<br>(m) | E/ -W<br>(m) | Closure<br>(m) | at Azim<br>(deg) | DLS<br>deg/30m | Tool Type | QI | CI | DI |
| 1   | 0.00      | 0.00                                | 0.00          | ----                                | 0.00       | 0.00                     | 0.00         | 0.00         | 0.00           | 90.00            | 0.00           | TIP       | 28 | 0  | 0  |
| 2   | 324.80    | 0.00                                | 0.00          | 324.80                              | 324.80     | 0.00                     | 0.00         | 0.00         | 0.00           | 90.00            | 0.00           | Other     | 9  | 0  | 0  |
| 3   | 357.80    | 0.24                                | 204.22        | 33.00                               | 357.80     | -0.06                    | -0.06        | -0.03        | 0.07           | 204.22           | 0.22           | TeleScope | 4  | 0  | 0  |
| 4   | 384.92    | 0.29                                | 209.78        | 27.11                               | 384.92     | -0.17                    | -0.17        | -0.09        | 0.19           | 206.21           | 0.07           | TeleScope | 2  | 0  | 0  |
| 5   | 394.30    | 0.29                                | 199.53        | 9.38                                | 394.30     | -0.22                    | -0.22        | -0.11        | 0.24           | 205.91           | 0.17           | TeleScope | 2  | 0  | 0  |
| 6   | 411.83    | 0.29                                | 186.99        | 17.54                               | 411.83     | -0.30                    | -0.30        | -0.13        | 0.33           | 202.54           | 0.11           | TeleScope | 2  | 0  | 0  |
| 7   | 441.02    | 0.57                                | 198.30        | 29.19                               | 441.02     | -0.51                    | -0.51        | -0.18        | 0.54           | 199.33           | 0.30           | TeleScope | 2  | 0  | 0  |
| 8   | 468.10    | 0.43                                | 192.97        | 27.07                               | 468.09     | -0.74                    | -0.74        | -0.25        | 0.78           | 198.32           | 0.16           | TeleScope | 2  | 0  | 0  |
| 9   | 496.64    | 0.32                                | 189.98        | 28.54                               | 496.63     | -0.93                    | -0.93        | -0.28        | 0.97           | 197.03           | 0.12           | TeleScope | 2  | 0  | 0  |
| 10  | 524.98    | 0.33                                | 193.27        | 28.34                               | 524.98     | -1.08                    | -1.08        | -0.32        | 1.13           | 196.27           | 0.02           | TeleScope | 4  | 0  | 0  |
| 11  | 554.36    | 0.26                                | 197.41        | 29.38                               | 554.36     | -1.23                    | -1.23        | -0.35        | 1.28           | 196.13           | 0.07           | TeleScope | 2  | 0  | 0  |
| 12  | 581.61    | 0.17                                | 192.89        | 27.25                               | 581.61     | -1.32                    | -1.32        | -0.38        | 1.38           | 196.10           | 0.10           | TeleScope | 2  | 0  | 0  |
| 13  | 609.83    | 0.41                                | 208.84        | 28.22                               | 609.82     | -1.45                    | -1.45        | -0.44        | 1.52           | 196.85           | 0.27           | TeleScope | 2  | 0  | 0  |
| 14  | 637.71    | 0.25                                | 200.72        | 27.88                               | 637.71     | -1.60                    | -1.60        | -0.51        | 1.67           | 197.70           | 0.18           | TeleScope | 2  | 0  | 0  |
| 15  | 666.95    | 0.35                                | 203.21        | 29.23                               | 666.94     | -1.73                    | -1.73        | -0.57        | 1.82           | 198.07           | 0.10           | TeleScope | 2  | 0  | 0  |
| 16  | 694.32    | 0.15                                | 154.43        | 27.37                               | 694.31     | -1.84                    | -1.84        | -0.58        | 1.93           | 197.57           | 0.30           | TeleScope | 2  | 0  | 0  |
| 17  | 722.92    | 0.39                                | 173.59        | 28.60                               | 722.91     | -1.97                    | -1.97        | -0.56        | 2.05           | 195.77           | 0.27           | TeleScope | 4  | 0  | 0  |
| 18  | 750.64    | 0.26                                | 153.70        | 27.72                               | 750.63     | -2.12                    | -2.12        | -0.52        | 2.18           | 193.75           | 0.19           | TeleScope | 2  | 0  | 0  |
| 19  | 778.03    | 0.11                                | 105.18        | 27.39                               | 778.02     | -2.18                    | -2.18        | -0.47        | 2.23           | 192.03           | 0.22           | TeleScope | 2  | 0  | 0  |
| 20  | 807.61    | 0.13                                | 24.58         | 29.58                               | 807.60     | -2.16                    | -2.16        | -0.42        | 2.20           | 191.07           | 0.16           | TeleScope | 2  | 0  | 0  |
| 21  | 834.50    | 0.22                                | 18.37         | 26.89                               | 834.49     | -2.08                    | -2.08        | -0.39        | 2.12           | 190.70           | 0.11           | TeleScope | 2  | 0  | 0  |
| 22  | 861.54    | 0.31                                | 23.24         | 27.04                               | 861.53     | -1.97                    | -1.97        | -0.35        | 2.00           | 190.04           | 0.10           | TeleScope | 2  | 0  | 0  |
| 23  | 891.48    | 0.36                                | 17.61         | 29.94                               | 891.47     | -1.80                    | -1.80        | -0.29        | 1.83           | 189.08           | 0.06           | TeleScope | 2  | 0  | 0  |
| 24  | 919.75    | 0.35                                | 13.68         | 28.28                               | 919.74     | -1.63                    | -1.63        | -0.24        | 1.65           | 188.37           | 0.03           | TeleScope | 2  | 0  | 0  |
| 25  | 947.42    | 0.31                                | 4.28          | 27.67                               | 947.41     | -1.48                    | -1.48        | -0.21        | 1.49           | 188.28           | 0.08           | TeleScope | 2  | 0  | 0  |
| 26  | 973.79    | 0.33                                | 15.24         | 26.37                               | 973.79     | -1.33                    | -1.33        | -0.19        | 1.34           | 188.10           | 0.07           | TeleScope | 2  | 0  | 0  |
| 27  | 1002.79   | 0.53                                | 18.98         | 28.99                               | 1002.78    | -1.12                    | -1.12        | -0.12        | 1.13           | 186.28           | 0.22           | TeleScope | 2  | 0  | 0  |
| 28  | 1031.23   | 0.47                                | 23.29         | 28.45                               | 1031.22    | -0.89                    | -0.89        | -0.03        | 0.89           | 182.23           | 0.08           | TeleScope | 2  | 0  | 0  |

|    |         |      |        |       |         |        |        |       |       |        |      |           |   |   |   |
|----|---------|------|--------|-------|---------|--------|--------|-------|-------|--------|------|-----------|---|---|---|
| 29 | 1058.66 | 0.41 | 26.32  | 27.42 | 1058.65 | -0.70  | -0.70  | 0.05  | 0.70  | 175.68 | 0.06 | TeleScope | 2 | 0 | 0 |
| 30 | 1086.33 | 0.52 | 44.77  | 27.67 | 1086.32 | -0.52  | -0.52  | 0.19  | 0.55  | 160.45 | 0.20 | TeleScope | 2 | 0 | 0 |
| 31 | 1114.11 | 0.46 | 47.42  | 27.78 | 1114.09 | -0.36  | -0.36  | 0.36  | 0.50  | 135.04 | 0.07 | TeleScope | 2 | 0 | 0 |
| 32 | 1142.10 | 0.41 | 70.38  | 28.00 | 1142.09 | -0.25  | -0.25  | 0.53  | 0.59  | 114.87 | 0.19 | TeleScope | 4 | 0 | 0 |
| 33 | 1169.34 | 0.57 | 93.00  | 27.24 | 1169.32 | -0.22  | -0.22  | 0.76  | 0.79  | 106.28 | 0.27 | TeleScope | 4 | 0 | 0 |
| 34 | 1199.03 | 0.71 | 109.03 | 29.69 | 1199.01 | -0.29  | -0.29  | 1.08  | 1.12  | 105.01 | 0.23 | TeleScope | 4 | 0 | 0 |
| 35 | 1225.15 | 0.70 | 117.03 | 26.12 | 1225.13 | -0.41  | -0.41  | 1.38  | 1.44  | 106.78 | 0.11 | TeleScope | 4 | 0 | 0 |
| 36 | 1226.69 | 0.72 | 115.62 | 1.54  | 1226.67 | -0.42  | -0.42  | 1.39  | 1.46  | 106.91 | 0.53 | TeleScope | 2 | 0 | 0 |
| 37 | 1252.20 | 0.79 | 118.33 | 25.51 | 1252.18 | -0.58  | -0.58  | 1.69  | 1.79  | 108.81 | 0.10 | TeleScope | 2 | 0 | 0 |
| 38 | 1280.40 | 0.78 | 125.86 | 28.19 | 1280.37 | -0.78  | -0.78  | 2.02  | 2.17  | 111.15 | 0.11 | TeleScope | 4 | 0 | 0 |
| 39 | 1307.85 | 0.73 | 131.54 | 27.45 | 1307.83 | -1.01  | -1.01  | 2.30  | 2.51  | 113.63 | 0.10 | TeleScope | 2 | 0 | 0 |
| 40 | 1336.56 | 0.66 | 135.36 | 28.71 | 1336.53 | -1.25  | -1.25  | 2.55  | 2.84  | 115.99 | 0.09 | TeleScope | 2 | 0 | 0 |
| 41 | 1365.28 | 0.78 | 137.95 | 28.73 | 1365.25 | -1.51  | -1.51  | 2.80  | 3.18  | 118.29 | 0.13 | TeleScope | 2 | 0 | 0 |
| 42 | 1394.15 | 1.09 | 138.79 | 28.87 | 1394.12 | -1.86  | -1.86  | 3.11  | 3.63  | 120.86 | 0.32 | TeleScope | 2 | 0 | 0 |
| 43 | 1422.32 | 1.13 | 141.34 | 28.17 | 1422.28 | -2.28  | -2.28  | 3.46  | 4.15  | 123.34 | 0.06 | TeleScope | 2 | 0 | 0 |
| 44 | 1449.38 | 1.09 | 141.01 | 27.06 | 1449.33 | -2.69  | -2.69  | 3.79  | 4.65  | 125.31 | 0.04 | TeleScope | 4 | 0 | 0 |
| 45 | 1476.57 | 1.19 | 143.75 | 27.19 | 1476.52 | -3.11  | -3.11  | 4.12  | 5.16  | 127.08 | 0.13 | TeleScope | 4 | 0 | 0 |
| 46 | 1505.66 | 1.63 | 145.92 | 29.09 | 1505.60 | -3.70  | -3.70  | 4.53  | 5.85  | 129.23 | 0.46 | TeleScope | 4 | 0 | 0 |
| 47 | 1533.16 | 1.81 | 140.90 | 27.51 | 1533.09 | -4.36  | -4.36  | 5.02  | 6.65  | 130.96 | 0.25 | TeleScope | 2 | 0 | 0 |
| 48 | 1554.24 | 1.93 | 135.14 | 21.07 | 1554.15 | -4.87  | -4.87  | 5.48  | 7.33  | 131.61 | 0.32 | TeleScope | 2 | 0 | 0 |
| 49 | 1558.24 | 1.89 | 133.59 | 4.01  | 1558.16 | -4.96  | -4.96  | 5.58  | 7.47  | 131.66 | 0.46 | TeleScope | 2 | 0 | 0 |
| 50 | 1613.46 | 2.24 | 137.62 | 55.22 | 1613.34 | -6.39  | -6.39  | 6.97  | 9.45  | 132.52 | 0.21 | TeleScope | 2 | 0 | 0 |
| 51 | 1640.45 | 2.28 | 142.21 | 26.99 | 1640.31 | -7.20  | -7.20  | 7.65  | 10.51 | 133.27 | 0.20 | TeleScope | 2 | 0 | 0 |
| 52 | 1665.19 | 2.27 | 142.48 | 24.75 | 1665.03 | -7.98  | -7.98  | 8.25  | 11.48 | 134.04 | 0.01 | TeleScope | 2 | 0 | 0 |
| 53 | 1696.98 | 2.30 | 141.65 | 31.79 | 1696.80 | -8.98  | -8.98  | 9.03  | 12.74 | 134.84 | 0.04 | TeleScope | 4 | 0 | 0 |
| 54 | 1725.43 | 2.26 | 142.07 | 28.44 | 1725.22 | -9.87  | -9.87  | 9.73  | 13.86 | 135.41 | 0.04 | TeleScope | 2 | 0 | 0 |
| 55 | 1754.71 | 2.23 | 140.32 | 29.29 | 1754.48 | -10.76 | -10.76 | 10.45 | 15.00 | 135.85 | 0.08 | TeleScope | 4 | 0 | 0 |
| 56 | 1780.80 | 2.21 | 141.32 | 26.09 | 1780.55 | -11.55 | -11.55 | 11.09 | 16.01 | 136.17 | 0.05 | TeleScope | 2 | 0 | 0 |
| 57 | 1808.81 | 2.19 | 138.52 | 28.01 | 1808.54 | -12.37 | -12.37 | 11.78 | 17.08 | 136.40 | 0.12 | TeleScope | 2 | 0 | 0 |
| 58 | 1836.06 | 2.08 | 140.26 | 27.25 | 1835.77 | -13.14 | -13.14 | 12.44 | 18.10 | 136.57 | 0.14 | TeleScope | 2 | 0 | 0 |
| 59 | 1865.69 | 2.06 | 142.20 | 29.63 | 1865.38 | -13.98 | -13.98 | 13.11 | 19.16 | 136.83 | 0.07 | TeleScope | 2 | 0 | 0 |
| 60 | 1891.46 | 1.96 | 142.72 | 25.77 | 1891.14 | -14.69 | -14.69 | 13.66 | 20.06 | 137.08 | 0.12 | TeleScope | 2 | 0 | 0 |
| 61 | 1924.02 | 1.95 | 141.96 | 32.56 | 1923.68 | -15.57 | -15.57 | 14.34 | 21.17 | 137.36 | 0.03 | TeleScope | 2 | 0 | 0 |
| 62 | 1947.77 | 1.73 | 143.21 | 23.75 | 1947.41 | -16.18 | -16.18 | 14.80 | 21.93 | 137.54 | 0.28 | TeleScope | 2 | 0 | 0 |
| 63 | 1972.38 | 1.71 | 144.18 | 24.61 | 1972.01 | -16.77 | -16.77 | 15.24 | 22.66 | 137.74 | 0.05 | TeleScope | 2 | 0 | 0 |
| 64 | 2002.46 | 1.72 | 145.12 | 30.08 | 2002.08 | -17.51 | -17.51 | 15.76 | 23.56 | 138.00 | 0.03 | TeleScope | 2 | 0 | 0 |
| 65 | 2028.64 | 1.68 | 145.35 | 26.18 | 2028.24 | -18.14 | -18.14 | 16.21 | 24.33 | 138.23 | 0.05 | TeleScope | 2 | 0 | 0 |
| 66 | 2056.72 | 1.72 | 144.14 | 28.08 | 2056.31 | -18.82 | -18.82 | 16.69 | 25.16 | 138.45 | 0.06 | TeleScope | 2 | 0 | 0 |
| 67 | 2084.47 | 1.68 | 143.96 | 27.75 | 2084.05 | -19.49 | -19.49 | 17.17 | 25.98 | 138.62 | 0.04 | TeleScope | 2 | 0 | 0 |
| 68 | 2112.31 | 1.68 | 147.60 | 27.83 | 2111.87 | -20.17 | -20.17 | 17.63 | 26.79 | 138.84 | 0.12 | TeleScope | 2 | 0 | 0 |
| 69 | 2140.19 | 1.65 | 147.19 | 27.89 | 2139.75 | -20.85 | -20.85 | 18.07 | 27.59 | 139.09 | 0.04 | TeleScope | 2 | 0 | 0 |
| 70 | 2167.83 | 1.56 | 146.32 | 27.64 | 2167.38 | -21.50 | -21.50 | 18.49 | 28.35 | 139.30 | 0.09 | TeleScope | 2 | 0 | 0 |
| 71 | 2196.20 | 1.60 | 148.78 | 28.37 | 2195.74 | -22.16 | -22.16 | 18.91 | 29.13 | 139.52 | 0.08 | TeleScope | 2 | 0 | 0 |
| 72 | 2224.74 | 1.44 | 148.01 | 28.54 | 2224.27 | -22.80 | -22.80 | 19.31 | 29.88 | 139.75 | 0.17 | TeleScope | 2 | 0 | 0 |
| 73 | 2254.86 | 1.30 | 151.75 | 30.11 | 2254.37 | -23.43 | -23.43 | 19.67 | 30.59 | 139.98 | 0.17 | TeleScope | 2 | 0 | 0 |
| 74 | 2281.24 | 1.32 | 153.89 | 26.38 | 2280.75 | -23.96 | -23.96 | 19.94 | 31.17 | 140.23 | 0.06 | TeleScope | 2 | 0 | 0 |
| 75 | 2308.52 | 1.26 | 154.99 | 27.28 | 2308.02 | -24.51 | -24.51 | 20.21 | 31.77 | 140.50 | 0.07 | TeleScope | 2 | 0 | 0 |
| 76 | 2336.54 | 1.24 | 154.32 | 28.03 | 2336.04 | -25.06 | -25.06 | 20.47 | 32.36 | 140.76 | 0.03 | TeleScope | 2 | 0 | 0 |
| 77 | 2364.73 | 1.16 | 159.79 | 28.19 | 2364.22 | -25.61 | -25.61 | 20.70 | 32.93 | 141.05 | 0.15 | TeleScope | 2 | 0 | 0 |
| 78 | 2395.62 | 1.13 | 163.09 | 30.89 | 2395.10 | -26.19 | -26.19 | 20.90 | 33.51 | 141.42 | 0.07 | TeleScope | 2 | 0 | 0 |
| 79 | 2422.25 | 1.12 | 167.90 | 26.63 | 2421.73 | -26.70 | -26.70 | 21.03 | 33.99 | 141.78 | 0.11 | TeleScope | 2 | 0 | 0 |

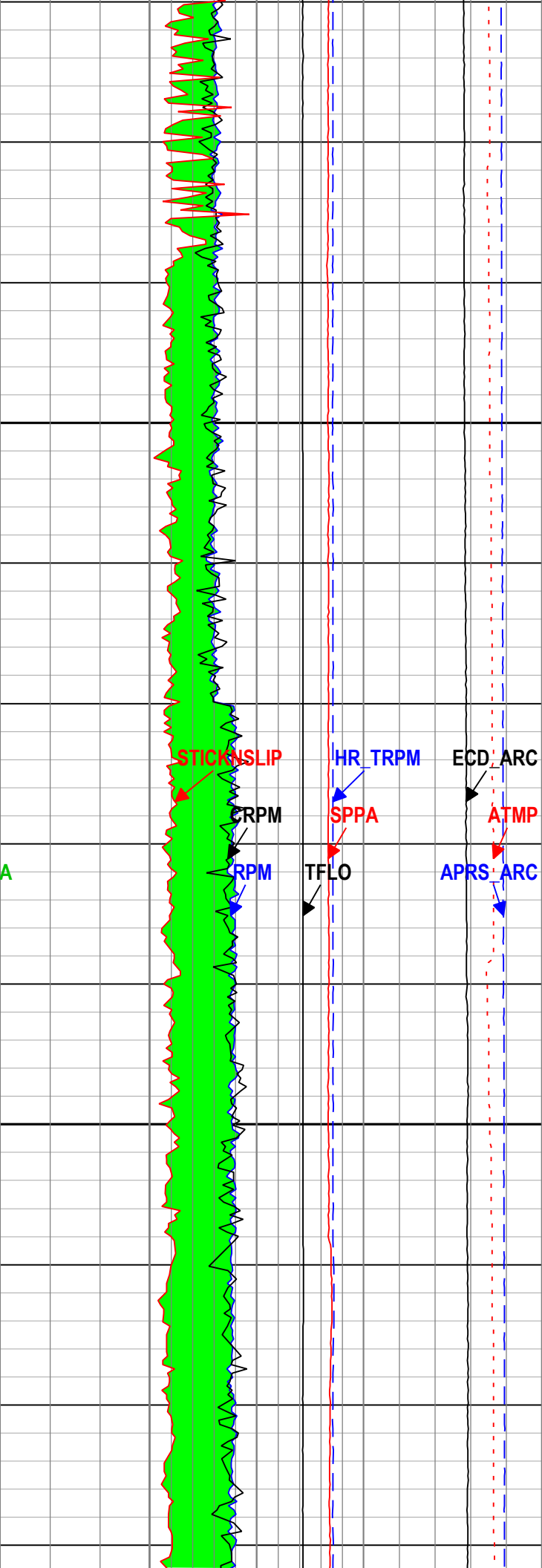
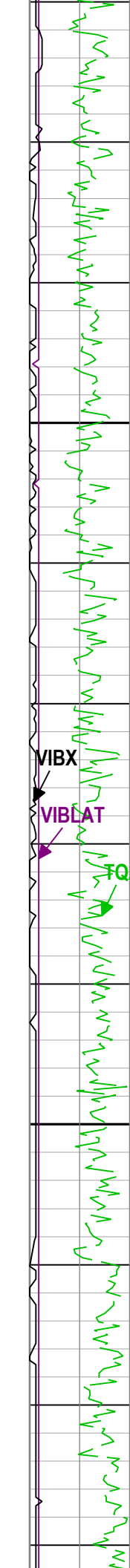
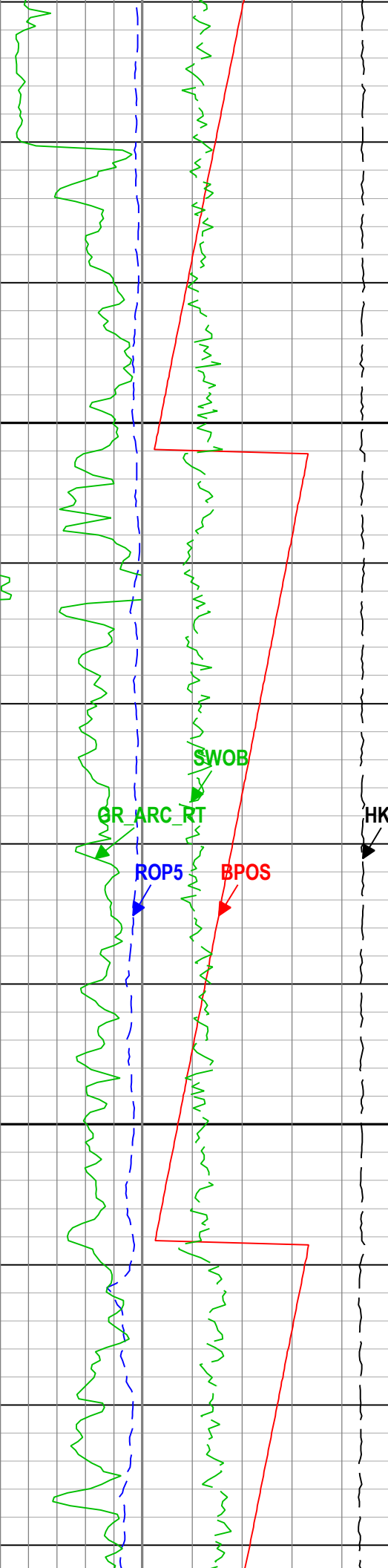


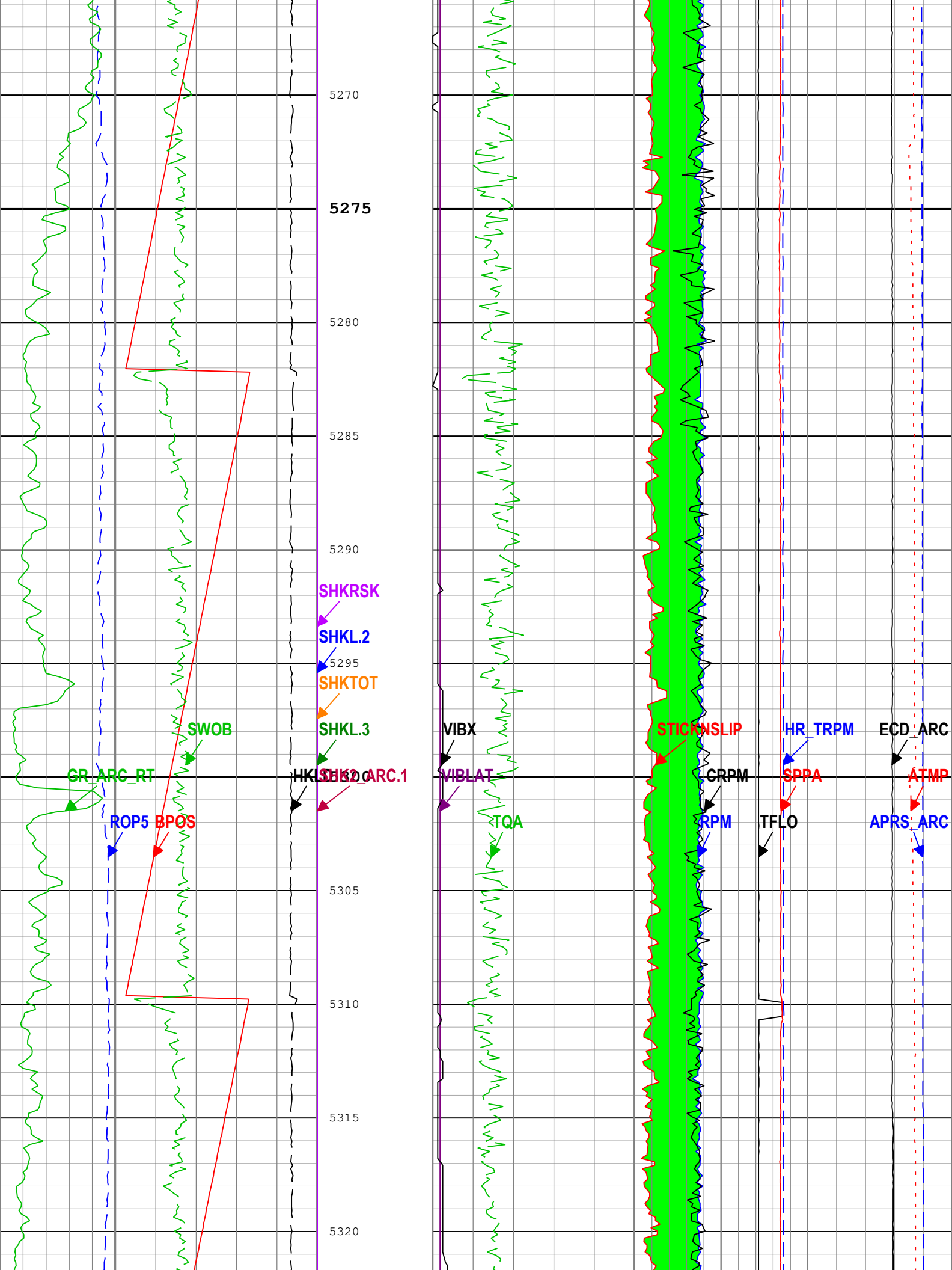
|     |         |      |        |       |         |        |        |       |       |        |      |           |   |   |   |
|-----|---------|------|--------|-------|---------|--------|--------|-------|-------|--------|------|-----------|---|---|---|
|     | 2449.45 | 1.07 | 175.49 | 27.20 | 2448.92 | -27.21 | -27.21 | 21.10 | 34.44 | 142.21 | 0.17 | TeleScope | 2 | 0 | 0 |
| 81  | 2478.07 | 1.04 | 173.02 | 28.63 | 2477.54 | -27.74 | -27.74 | 21.16 | 34.88 | 142.67 | 0.05 | TeleScope | 2 | 0 | 0 |
| 82  | 2504.78 | 0.67 | 198.42 | 26.71 | 2504.25 | -28.13 | -28.13 | 21.14 | 35.18 | 143.08 | 0.59 | TeleScope | 2 | 0 | 0 |
| 83  | 2532.44 | 0.58 | 200.39 | 27.66 | 2531.90 | -28.41 | -28.41 | 21.04 | 35.35 | 143.48 | 0.10 | TeleScope | 2 | 0 | 0 |
| 84  | 2560.36 | 0.42 | 213.21 | 27.93 | 2559.83 | -28.63 | -28.63 | 20.93 | 35.47 | 143.83 | 0.22 | TeleScope | 2 | 0 | 0 |
| 85  | 2590.11 | 0.36 | 226.50 | 29.74 | 2589.57 | -28.79 | -28.79 | 20.80 | 35.52 | 144.14 | 0.11 | TeleScope | 2 | 0 | 0 |
| 86  | 2619.36 | 0.37 | 215.18 | 29.26 | 2618.83 | -28.93 | -28.93 | 20.68 | 35.56 | 144.44 | 0.08 | TeleScope | 2 | 0 | 0 |
| 87  | 2646.81 | 0.57 | 197.10 | 27.45 | 2646.27 | -29.13 | -29.13 | 20.59 | 35.67 | 144.75 | 0.26 | TeleScope | 2 | 0 | 0 |
| 88  | 2673.67 | 0.63 | 186.80 | 26.86 | 2673.14 | -29.41 | -29.41 | 20.53 | 35.87 | 145.07 | 0.14 | TeleScope | 2 | 0 | 0 |
| 89  | 2701.71 | 0.63 | 188.69 | 28.04 | 2701.17 | -29.71 | -29.71 | 20.49 | 36.09 | 145.41 | 0.02 | TeleScope | 2 | 0 | 0 |
| 90  | 2730.88 | 0.60 | 188.83 | 29.16 | 2730.33 | -30.02 | -30.02 | 20.44 | 36.32 | 145.75 | 0.04 | TeleScope | 2 | 0 | 0 |
| 91  | 2759.22 | 0.47 | 187.21 | 28.34 | 2758.68 | -30.28 | -30.28 | 20.41 | 36.52 | 146.03 | 0.13 | TeleScope | 2 | 0 | 0 |
| 92  | 2786.22 | 0.41 | 188.21 | 27.00 | 2785.67 | -30.49 | -30.49 | 20.38 | 36.68 | 146.24 | 0.07 | TeleScope | 2 | 0 | 0 |
| 93  | 2812.78 | 0.29 | 182.79 | 26.56 | 2812.23 | -30.65 | -30.65 | 20.36 | 36.80 | 146.40 | 0.14 | TeleScope | 2 | 0 | 0 |
| 94  | 2842.78 | 0.26 | 191.99 | 30.00 | 2842.24 | -30.80 | -30.80 | 20.34 | 36.91 | 146.55 | 0.05 | TeleScope | 2 | 0 | 0 |
| 95  | 2870.53 | 0.20 | 203.60 | 27.75 | 2869.98 | -30.90 | -30.90 | 20.31 | 36.98 | 146.68 | 0.08 | TeleScope | 2 | 0 | 0 |
| 96  | 2897.59 | 0.15 | 195.41 | 27.06 | 2897.04 | -30.98 | -30.98 | 20.28 | 37.03 | 146.79 | 0.07 | TeleScope | 2 | 0 | 0 |
| 97  | 2926.33 | 0.09 | 136.06 | 28.74 | 2925.79 | -31.03 | -31.03 | 20.29 | 37.08 | 146.82 | 0.13 | TeleScope | 2 | 0 | 0 |
| 98  | 2954.09 | 0.06 | 133.50 | 27.75 | 2953.54 | -31.06 | -31.06 | 20.32 | 37.11 | 146.81 | 0.03 | TeleScope | 2 | 0 | 0 |
| 99  | 2971.58 | 0.12 | 103.10 | 17.50 | 2971.04 | -31.07 | -31.07 | 20.34 | 37.14 | 146.79 | 0.12 | TeleScope | 2 | 0 | 0 |
| 100 | 2995.92 | 0.23 | 112.84 | 24.33 | 2995.37 | -31.09 | -31.09 | 20.41 | 37.19 | 146.72 | 0.14 | TeleScope | 2 | 0 | 0 |
| 101 | 3018.03 | 0.26 | 93.61  | 22.11 | 3017.48 | -31.11 | -31.11 | 20.50 | 37.26 | 146.62 | 0.12 | TeleScope | 2 | 0 | 0 |
| 102 | 3045.96 | 0.32 | 84.01  | 27.93 | 3045.41 | -31.11 | -31.11 | 20.64 | 37.34 | 146.43 | 0.08 | TeleScope | 2 | 0 | 0 |
| 103 | 3073.52 | 0.43 | 71.06  | 27.56 | 3072.97 | -31.07 | -31.07 | 20.82 | 37.40 | 146.18 | 0.15 | TeleScope | 2 | 0 | 0 |
| 104 | 3102.01 | 0.53 | 54.83  | 28.49 | 3101.46 | -30.96 | -30.96 | 21.02 | 37.42 | 145.82 | 0.18 | TeleScope | 2 | 0 | 0 |
| 105 | 3131.56 | 0.81 | 42.86  | 29.55 | 3131.01 | -30.73 | -30.73 | 21.28 | 37.38 | 145.30 | 0.32 | TeleScope | 2 | 0 | 0 |
| 106 | 3160.02 | 1.03 | 30.44  | 28.46 | 3159.47 | -30.36 | -30.36 | 21.54 | 37.23 | 144.64 | 0.32 | TeleScope | 2 | 0 | 0 |
| 107 | 3188.26 | 1.22 | 35.43  | 28.24 | 3187.70 | -29.89 | -29.89 | 21.85 | 37.03 | 143.84 | 0.23 | TeleScope | 2 | 0 | 0 |
| 108 | 3215.12 | 1.66 | 41.65  | 26.85 | 3214.55 | -29.37 | -29.37 | 22.27 | 36.86 | 142.83 | 0.52 | TeleScope | 2 | 0 | 0 |
| 109 | 3242.66 | 2.33 | 45.32  | 27.54 | 3242.08 | -28.68 | -28.68 | 22.94 | 36.72 | 141.35 | 0.74 | TeleScope | 2 | 0 | 0 |
| 110 | 3270.92 | 2.60 | 43.57  | 28.26 | 3270.31 | -27.81 | -27.81 | 23.79 | 36.59 | 139.46 | 0.30 | TeleScope | 2 | 0 | 0 |
| 111 | 3298.98 | 2.63 | 46.62  | 28.07 | 3298.34 | -26.90 | -26.90 | 24.69 | 36.52 | 137.46 | 0.15 | TeleScope | 2 | 0 | 0 |
| 112 | 3327.37 | 2.88 | 50.28  | 28.39 | 3326.70 | -26.00 | -26.00 | 25.71 | 36.57 | 135.32 | 0.32 | TeleScope | 2 | 0 | 0 |
| 113 | 3355.35 | 2.93 | 53.08  | 27.98 | 3354.64 | -25.12 | -25.12 | 26.83 | 36.75 | 133.12 | 0.16 | TeleScope | 2 | 0 | 0 |
| 114 | 3383.32 | 2.91 | 50.63  | 27.97 | 3382.57 | -24.24 | -24.24 | 27.95 | 37.00 | 130.94 | 0.13 | TeleScope | 2 | 0 | 0 |
| 115 | 3410.62 | 2.86 | 49.19  | 27.30 | 3409.84 | -23.36 | -23.36 | 29.00 | 37.24 | 128.85 | 0.10 | TeleScope | 2 | 0 | 0 |
| 116 | 3438.10 | 2.74 | 50.60  | 27.48 | 3437.29 | -22.49 | -22.49 | 30.02 | 37.52 | 126.84 | 0.15 | TeleScope | 2 | 0 | 0 |
| 117 | 3467.99 | 2.78 | 52.45  | 29.88 | 3467.14 | -21.60 | -21.60 | 31.15 | 37.91 | 124.74 | 0.10 | TeleScope | 2 | 0 | 0 |
| 118 | 3496.92 | 2.78 | 53.47  | 28.93 | 3496.04 | -20.76 | -20.76 | 32.27 | 38.37 | 122.75 | 0.05 | TeleScope | 2 | 0 | 0 |
| 119 | 3524.14 | 2.94 | 52.00  | 27.22 | 3523.23 | -19.93 | -19.93 | 33.35 | 38.85 | 120.87 | 0.19 | TeleScope | 2 | 0 | 0 |
| 120 | 3550.80 | 2.94 | 51.80  | 26.65 | 3549.85 | -19.09 | -19.09 | 34.42 | 39.36 | 119.01 | 0.01 | TeleScope | 2 | 0 | 0 |
| 121 | 3580.71 | 2.99 | 53.26  | 29.92 | 3579.72 | -18.15 | -18.15 | 35.65 | 40.01 | 116.98 | 0.09 | TeleScope | 2 | 0 | 0 |
| 122 | 3606.89 | 3.04 | 51.89  | 26.18 | 3605.86 | -17.31 | -17.31 | 36.75 | 40.62 | 115.23 | 0.10 | TeleScope | 2 | 0 | 0 |
| 123 | 3634.86 | 2.88 | 52.39  | 27.97 | 3633.80 | -16.43 | -16.43 | 37.89 | 41.29 | 113.44 | 0.17 | TeleScope | 2 | 0 | 0 |
| 124 | 3663.69 | 2.92 | 54.72  | 28.83 | 3662.58 | -15.56 | -15.56 | 39.06 | 42.04 | 111.72 | 0.13 | TeleScope | 2 | 0 | 0 |
| 125 | 3692.41 | 2.90 | 54.68  | 28.72 | 3691.27 | -14.72 | -14.72 | 40.25 | 42.86 | 110.08 | 0.03 | TeleScope | 2 | 0 | 0 |
| 126 | 3718.76 | 2.93 | 55.18  | 26.35 | 3717.59 | -13.95 | -13.95 | 41.35 | 43.64 | 108.64 | 0.05 | TeleScope | 2 | 0 | 0 |
| 127 | 3747.95 | 2.90 | 55.27  | 29.19 | 3746.74 | -13.10 | -13.10 | 42.57 | 44.54 | 107.10 | 0.03 | TeleScope | 2 | 0 | 0 |
| 128 | 3773.17 | 2.92 | 57.54  | 25.22 | 3771.93 | -12.39 | -12.39 | 43.63 | 45.36 | 105.85 | 0.14 | TeleScope | 2 | 0 | 0 |
| 129 | 3803.28 | 2.88 | 55.09  | 30.11 | 3801.99 | -11.55 | -11.55 | 44.90 | 46.36 | 104.42 | 0.13 | TeleScope | 2 | 0 | 0 |
| 130 | 3829.05 | 2.80 | 52.61  | 25.77 | 3827.73 | -10.79 | -10.79 | 45.93 | 47.18 | 103.23 | 0.17 | TeleScope | 2 | 0 | 0 |
| 131 | 3856.95 | 2.88 | 47.48  | 27.88 | 3855.58 | -9.88  | -9.88  | 46.87 | 48.01 | 101.68 | 0.27 | TeleScope | 2 | 0 | 0 |

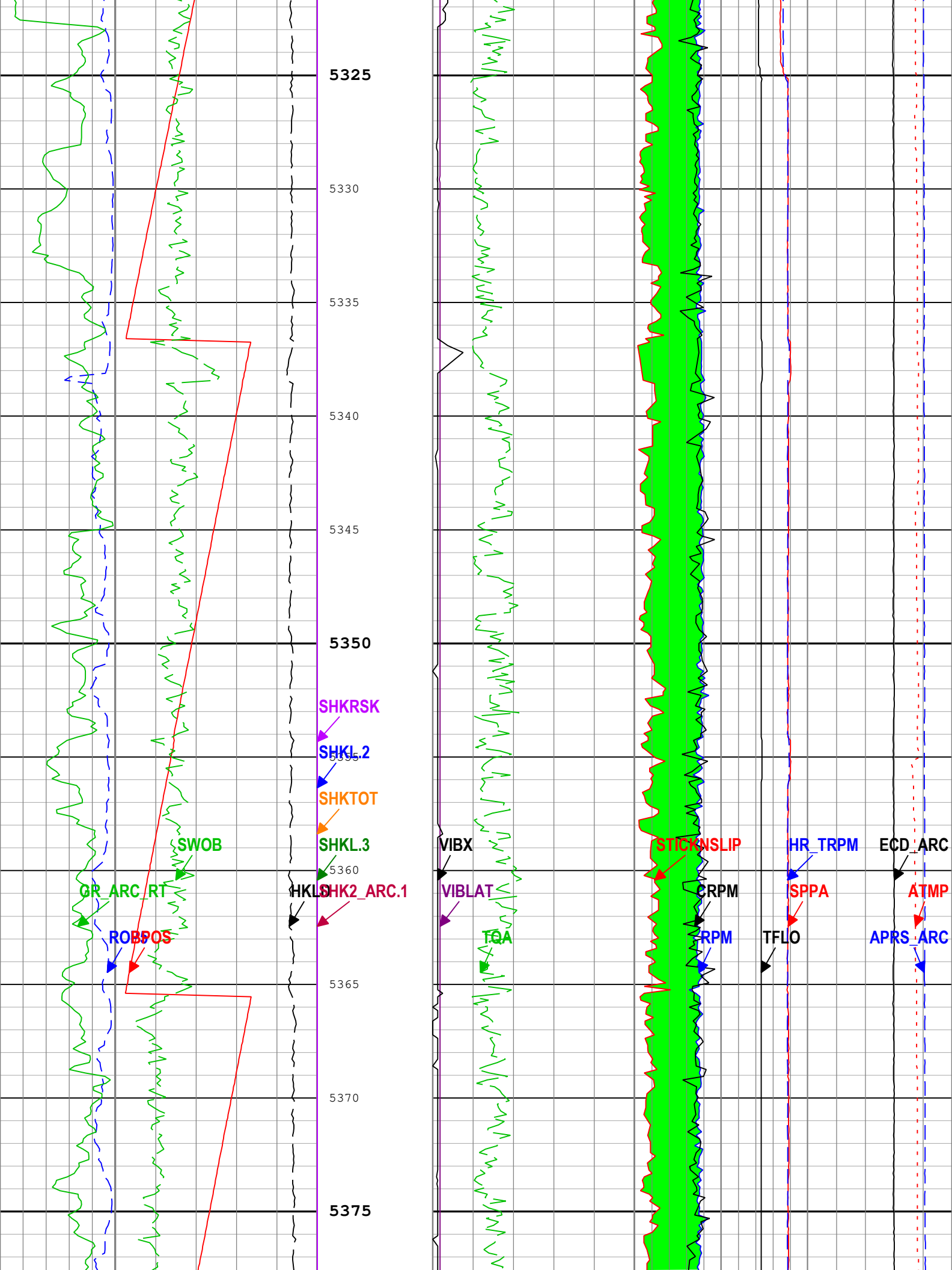
|     |         |      |        |       |         |       |       |       |       |        |      |           |   |   |   |
|-----|---------|------|--------|-------|---------|-------|-------|-------|-------|--------|------|-----------|---|---|---|
| 131 | 3856.85 | 2.82 | 47.46  | 27.80 | 3855.50 | -9.92 | -9.92 | 46.97 | 48.01 | 101.92 | 0.27 | TeleScope | 2 | 0 | 0 |
| 132 | 3885.65 | 2.79 | 46.21  | 28.80 | 3884.27 | -8.96 | -8.96 | 48.00 | 48.83 | 100.57 | 0.07 | TeleScope | 2 | 0 | 0 |
| 133 | 3915.43 | 2.81 | 47.43  | 29.78 | 3914.02 | -7.96 | -7.96 | 49.06 | 49.70 | 99.22  | 0.06 | TeleScope | 2 | 0 | 0 |
| 134 | 3943.62 | 2.81 | 44.83  | 28.18 | 3942.17 | -7.00 | -7.00 | 50.06 | 50.55 | 97.96  | 0.14 | TeleScope | 2 | 0 | 0 |
| 135 | 3972.01 | 2.88 | 47.57  | 28.40 | 3970.53 | -6.03 | -6.03 | 51.08 | 51.43 | 96.73  | 0.16 | TeleScope | 2 | 0 | 0 |
| 136 | 3998.93 | 2.88 | 49.94  | 26.92 | 3997.41 | -5.14 | -5.14 | 52.09 | 52.34 | 95.63  | 0.13 | TeleScope | 2 | 0 | 0 |
| 137 | 4025.02 | 2.95 | 49.45  | 26.09 | 4023.47 | -4.28 | -4.28 | 53.10 | 53.28 | 94.61  | 0.09 | TeleScope | 2 | 0 | 0 |
| 138 | 4053.18 | 3.07 | 50.28  | 28.16 | 4051.59 | -3.33 | -3.33 | 54.23 | 54.34 | 93.51  | 0.14 | TeleScope | 2 | 0 | 0 |
| 139 | 4081.79 | 3.13 | 48.82  | 28.61 | 4080.16 | -2.32 | -2.32 | 55.41 | 55.46 | 92.40  | 0.11 | TeleScope | 2 | 0 | 0 |
| 140 | 4109.34 | 3.07 | 47.88  | 27.55 | 4107.67 | -1.33 | -1.33 | 56.53 | 56.54 | 91.35  | 0.09 | TeleScope | 2 | 0 | 0 |
| 141 | 4137.28 | 3.04 | 49.05  | 27.94 | 4135.57 | -0.34 | -0.34 | 57.64 | 57.64 | 90.34  | 0.08 | TeleScope | 2 | 0 | 0 |
| 142 | 4165.73 | 3.04 | 49.13  | 28.45 | 4163.97 | 0.65  | 0.65  | 58.78 | 58.79 | 89.37  | 0.00 | TeleScope | 2 | 0 | 0 |
| 143 | 4194.16 | 3.15 | 49.02  | 28.43 | 4192.36 | 1.65  | 1.65  | 59.94 | 59.96 | 88.42  | 0.11 | TeleScope | 2 | 0 | 0 |
| 144 | 4230.43 | 2.99 | 49.00  | 36.27 | 4228.58 | 2.93  | 2.93  | 61.41 | 61.48 | 87.27  | 0.13 | TeleScope | 2 | 0 | 0 |
| 145 | 4257.27 | 2.99 | 52.30  | 26.84 | 4255.38 | 3.81  | 3.81  | 62.49 | 62.61 | 86.51  | 0.19 | TeleScope | 2 | 0 | 0 |
| 146 | 4285.59 | 2.97 | 51.57  | 28.32 | 4283.67 | 4.72  | 4.72  | 63.65 | 63.83 | 85.76  | 0.05 | TeleScope | 2 | 0 | 0 |
| 147 | 4312.79 | 2.86 | 50.29  | 27.20 | 4310.83 | 5.59  | 5.59  | 64.72 | 64.96 | 85.06  | 0.14 | TeleScope | 2 | 0 | 0 |
| 148 | 4335.12 | 2.67 | 50.83  | 22.33 | 4333.14 | 6.28  | 6.28  | 65.55 | 65.85 | 84.53  | 0.26 | TeleScope | 2 | 0 | 0 |
| 149 | 4388.53 | 1.98 | 56.21  | 53.40 | 4386.50 | 7.58  | 7.58  | 67.29 | 67.71 | 83.58  | 0.40 | TeleScope | 2 | 0 | 0 |
| 150 | 4413.96 | 1.73 | 51.16  | 25.43 | 4411.92 | 8.06  | 8.06  | 67.95 | 68.43 | 83.24  | 0.36 | TeleScope | 2 | 0 | 0 |
| 151 | 4440.89 | 1.24 | 50.85  | 26.94 | 4438.84 | 8.50  | 8.50  | 68.49 | 69.02 | 82.93  | 0.55 | TeleScope | 2 | 0 | 0 |
| 152 | 4471.00 | 0.63 | 55.53  | 30.11 | 4468.95 | 8.80  | 8.80  | 68.88 | 69.44 | 82.72  | 0.61 | TeleScope | 2 | 0 | 0 |
| 153 | 4498.91 | 0.45 | 344.64 | 27.91 | 4496.86 | 8.99  | 8.99  | 68.98 | 69.56 | 82.58  | 0.69 | TeleScope | 2 | 0 | 0 |
| 154 | 4526.55 | 1.03 | 294.85 | 27.64 | 4524.49 | 9.20  | 9.20  | 68.72 | 69.34 | 82.38  | 0.89 | TeleScope | 2 | 0 | 0 |
| 155 | 4552.54 | 1.51 | 283.60 | 26.00 | 4550.48 | 9.38  | 9.38  | 68.18 | 68.82 | 82.17  | 0.62 | TeleScope | 2 | 0 | 0 |
| 156 | 4581.73 | 1.82 | 276.84 | 29.19 | 4579.66 | 9.52  | 9.52  | 67.34 | 68.01 | 81.95  | 0.37 | TeleScope | 2 | 0 | 0 |
| 157 | 4611.12 | 1.81 | 272.98 | 29.39 | 4609.03 | 9.60  | 9.60  | 66.42 | 67.11 | 81.77  | 0.13 | TeleScope | 2 | 0 | 0 |
| 158 | 4637.92 | 0.80 | 282.37 | 26.80 | 4635.83 | 9.66  | 9.66  | 65.81 | 66.52 | 81.65  | 1.14 | TeleScope | 2 | 0 | 0 |
| 159 | 4665.22 | 0.87 | 278.27 | 27.30 | 4663.12 | 9.73  | 9.73  | 65.42 | 66.14 | 81.54  | 0.10 | TeleScope | 2 | 0 | 0 |
| 160 | 4693.46 | 0.83 | 277.06 | 28.24 | 4691.35 | 9.79  | 9.79  | 65.00 | 65.74 | 81.43  | 0.05 | TeleScope | 2 | 0 | 0 |
| 161 | 4721.37 | 0.73 | 286.88 | 27.91 | 4719.26 | 9.87  | 9.87  | 64.63 | 65.38 | 81.32  | 0.18 | TeleScope | 2 | 0 | 0 |
| 162 | 4749.23 | 0.73 | 300.53 | 27.86 | 4747.12 | 10.01 | 10.01 | 64.31 | 65.08 | 81.15  | 0.19 | TeleScope | 2 | 0 | 0 |
| 163 | 4776.40 | 0.73 | 311.21 | 27.17 | 4774.29 | 10.21 | 10.21 | 64.03 | 64.84 | 80.94  | 0.15 | TeleScope | 2 | 0 | 0 |
| 164 | 4806.14 | 0.87 | 308.22 | 29.74 | 4804.03 | 10.48 | 10.48 | 63.71 | 64.56 | 80.66  | 0.15 | TeleScope | 2 | 0 | 0 |
| 165 | 4835.36 | 1.12 | 305.89 | 29.22 | 4833.25 | 10.78 | 10.78 | 63.30 | 64.21 | 80.34  | 0.26 | TeleScope | 2 | 0 | 0 |
| 166 | 4862.20 | 1.52 | 305.09 | 26.84 | 4860.08 | 11.14 | 11.14 | 62.80 | 63.78 | 79.94  | 0.44 | TeleScope | 2 | 0 | 0 |
| 167 | 4888.71 | 1.47 | 306.83 | 26.51 | 4886.58 | 11.54 | 11.54 | 62.24 | 63.30 | 79.49  | 0.07 | TeleScope | 2 | 0 | 0 |
| 168 | 4915.58 | 1.45 | 308.26 | 26.87 | 4913.44 | 11.96 | 11.96 | 61.70 | 62.85 | 79.03  | 0.05 | TeleScope | 2 | 0 | 0 |
| 169 | 4945.43 | 1.41 | 307.96 | 29.85 | 4943.28 | 12.42 | 12.42 | 61.12 | 62.36 | 78.51  | 0.04 | TeleScope | 2 | 0 | 0 |
| 170 | 5000.77 | 1.33 | 312.27 | 55.35 | 4998.61 | 13.27 | 13.27 | 60.10 | 61.55 | 77.55  | 0.07 | TeleScope | 2 | 0 | 0 |
| 171 | 5056.71 | 1.09 | 310.19 | 55.94 | 5054.53 | 14.05 | 14.05 | 59.22 | 60.86 | 76.65  | 0.13 | TeleScope | 2 | 0 | 0 |
| 172 | 5085.89 | 0.26 | 129.55 | 29.18 | 5083.71 | 14.19 | 14.19 | 59.05 | 60.73 | 76.49  | 1.38 | TeleScope | 2 | 0 | 0 |
| 173 | 5112.02 | 0.19 | 119.48 | 26.12 | 5109.83 | 14.13 | 14.13 | 59.14 | 60.80 | 76.56  | 0.09 | TeleScope | 2 | 0 | 0 |
| 174 | 5137.38 | 0.20 | 126.01 | 25.36 | 5135.20 | 14.08 | 14.08 | 59.21 | 60.86 | 76.62  | 0.03 | TeleScope | 2 | 0 | 0 |
| 175 | 5167.63 | 0.22 | 160.25 | 30.25 | 5165.45 | 13.99 | 13.99 | 59.27 | 60.90 | 76.72  | 0.12 | TeleScope | 2 | 0 | 0 |
| 176 | 5234.60 | 0.18 | 137.57 | 66.97 | 5232.42 | 13.80 | 13.80 | 59.39 | 60.97 | 76.92  | 0.04 | TeleScope | 0 | 0 | 0 |
| 177 | 5260.42 | 0.13 | 200.09 | 25.81 | 5258.23 | 13.74 | 13.74 | 59.41 | 60.98 | 76.98  | 0.20 | TeleScope | 0 | 0 | 0 |
| 178 | 5288.96 | 0.24 | 153.35 | 28.54 | 5286.77 | 13.66 | 13.66 | 59.42 | 60.97 | 77.06  | 0.18 | TeleScope | 0 | 0 | 0 |
| 179 | 5317.13 | 0.46 | 105.92 | 28.18 | 5314.95 | 13.57 | 13.57 | 59.56 | 61.08 | 77.16  | 0.37 | TeleScope | 0 | 0 | 0 |
| 180 | 5344.76 | 0.28 | 96.62  | 27.63 | 5342.58 | 13.53 | 13.53 | 59.73 | 61.25 | 77.23  | 0.20 | TeleScope | 0 | 0 | 0 |
| 181 | 5373.43 | 0.29 | 93.33  | 28.67 | 5371.25 | 13.52 | 13.52 | 59.88 | 61.38 | 77.27  | 0.02 | TeleScope | 0 | 0 | 0 |
| 182 | 5401.67 | 0.09 | 92.23  | 28.24 | 5399.49 | 13.52 | 13.52 | 59.97 | 61.47 | 77.30  | 0.22 | TeleScope | 0 | 0 | 0 |

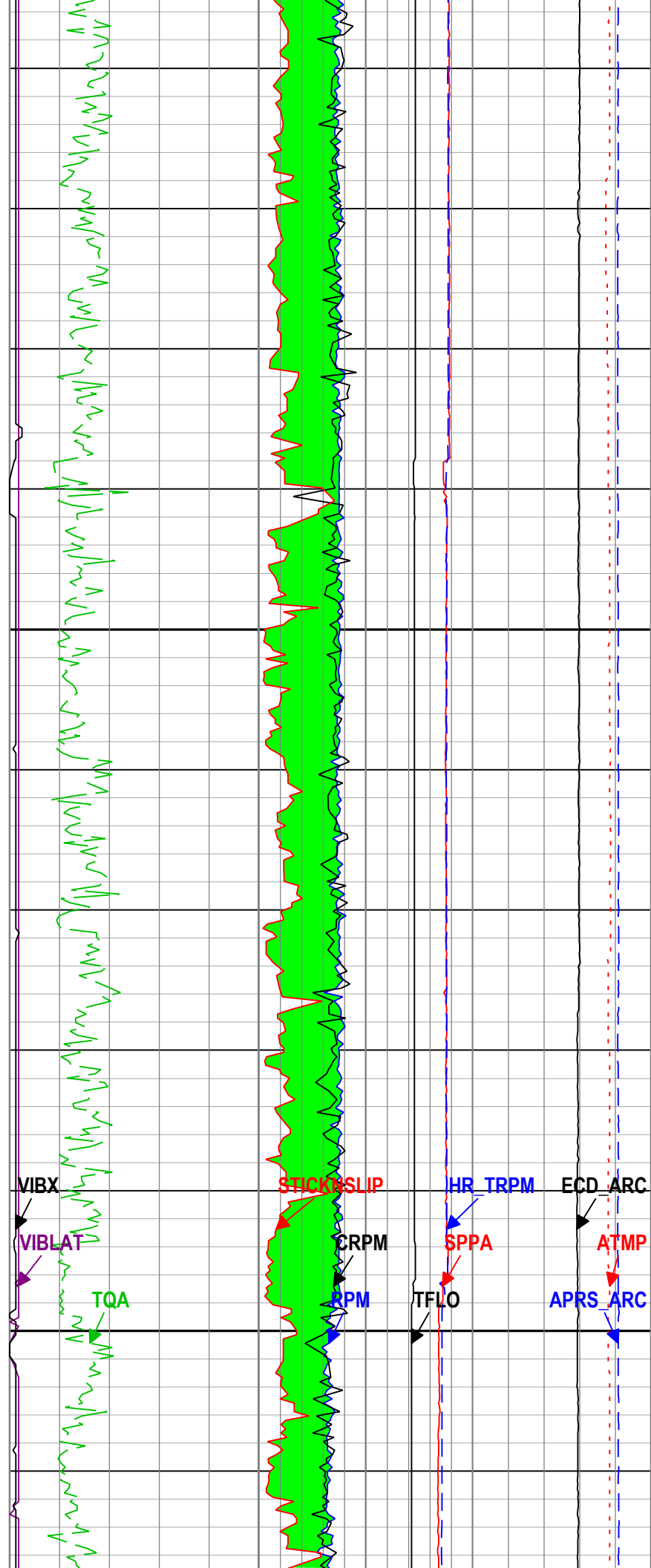
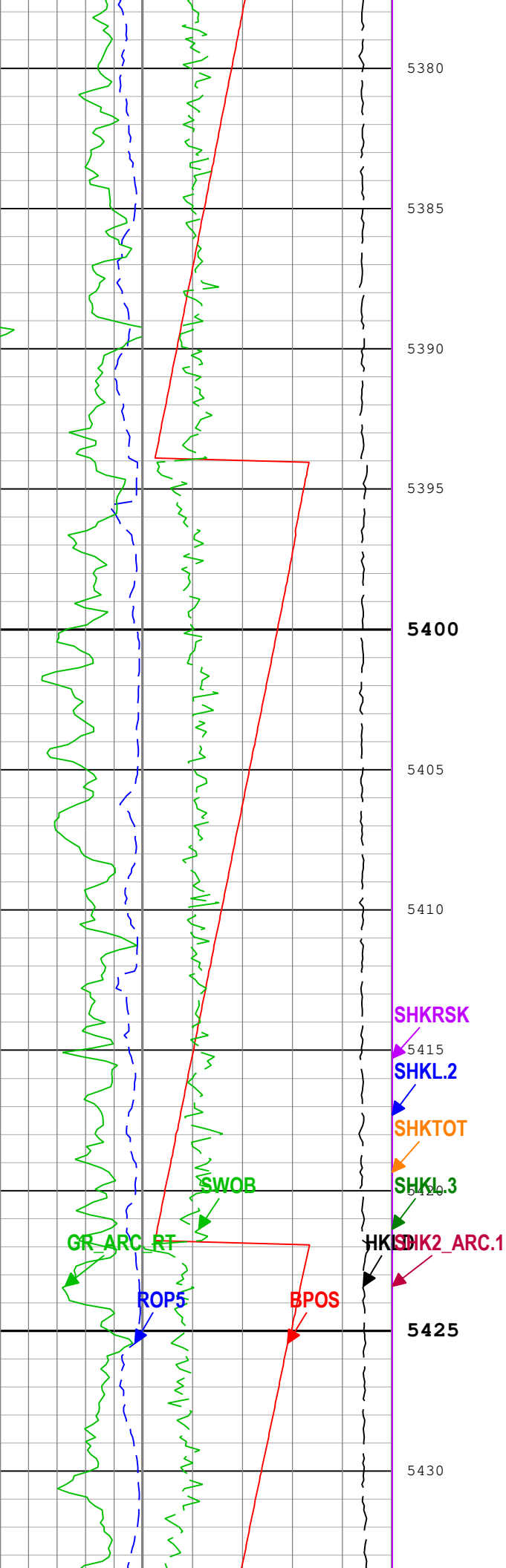
|   |  |  |  |   |  |   |  |  |  |   |  |  |  |   |  |
|---|--|--|--|---|--|---|--|--|--|---|--|--|--|---|--|
|   |  | Tool Shock Level (SHK2_ARC).1<br>ARC6 RM                           |  |   |  |   |  |  |  |   |  |  |  |   |  |
|   |  | Tool Shock Level (SHKL).3 ADN6C<br>RM                              |  |   |  |   |  |  |  |   |  |  |  |   |  |
|   |  | Total Shocks accumulated over tool lifetime (SHKTOT)<br>TELE675 RM |  |   |  |   |  |  |  |   |  |  |  |   |  |
| Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT |  | Height of block above rig floor (BPOS) RT                          |  | Tool Shock Level (SHKL).2 SONICVISION6 RM |  | Surface Torque (TQA) RT                 |  | Transverse RMS Vibration (VIBLAT) TELE675 RM |  | Stick Slip Indicator (STICKNSLI P) TELE675 RM   |  | Severe S&S                                       |  | Total flow rate of all active pumps (TFLO) RT |  |
| 200 m/h 0   |  | 0 m 45   |  | 0 5                                       |  | 0 1000 ft.lbf 50                        |  | 0 gn 7                                       |  | 0 c/min 200                                     |  | Light S&S  |  | 0 1500 gal/min                                |  |
| Average Hookload (HKLD) RT  |  | Average Hookload (HKLD) RT   |  | Shock Risk (SHKRSK) TELE675 RM            |  | RMS Vibration, X-Axis (VIBX) TELE675 RM |  | Collar Rotational Speed (CRPM) TELE675 RM    |  | Standpipe Pressure (SPPA) RT                    |  | Downhole Annulus Pressure (APRS_ARC) ARC6 RM     |  | Downhole Annulus Temperature (ATMP) ARC6 RM   |  |
| 0 1000 lbf 800  |  | 0 1000 lbf 800   |  | 0 5                                       |  | 0 gn 5                                  |  | 0 c/min 200                                  |  | 0 psi 5000                                      |  | 0 psi 15000                                      |  | 0 degC 150                                    |  |
| Gamma Ray (GR_ARC_RT) ARC6 RT                                     |  | Surface Weight On Bit (SWOB) RT                                    |  |   |  |   |  | RMS Vibration, X-Axis (VIBX) TELE675 RM      |  | MWD Turbine Rotation Speed (HR_TRPM) TELE675 RM |  | Equivalent Circulating Density (ECD_ARC) ARC6 RM |  |   |  |
| 0 gAPI 200  |  | 0 1000 lbf 100   |  | 0 5                                       |  | 0 gn 5                                  |  | 0 c/min 400                                  |  | 0 5000 c/min                                    |  | 1 g/cm3 2  |  |   |  |
|   |  |  |  |   |  |   |  |  |  |   |  |  |  |   |  |



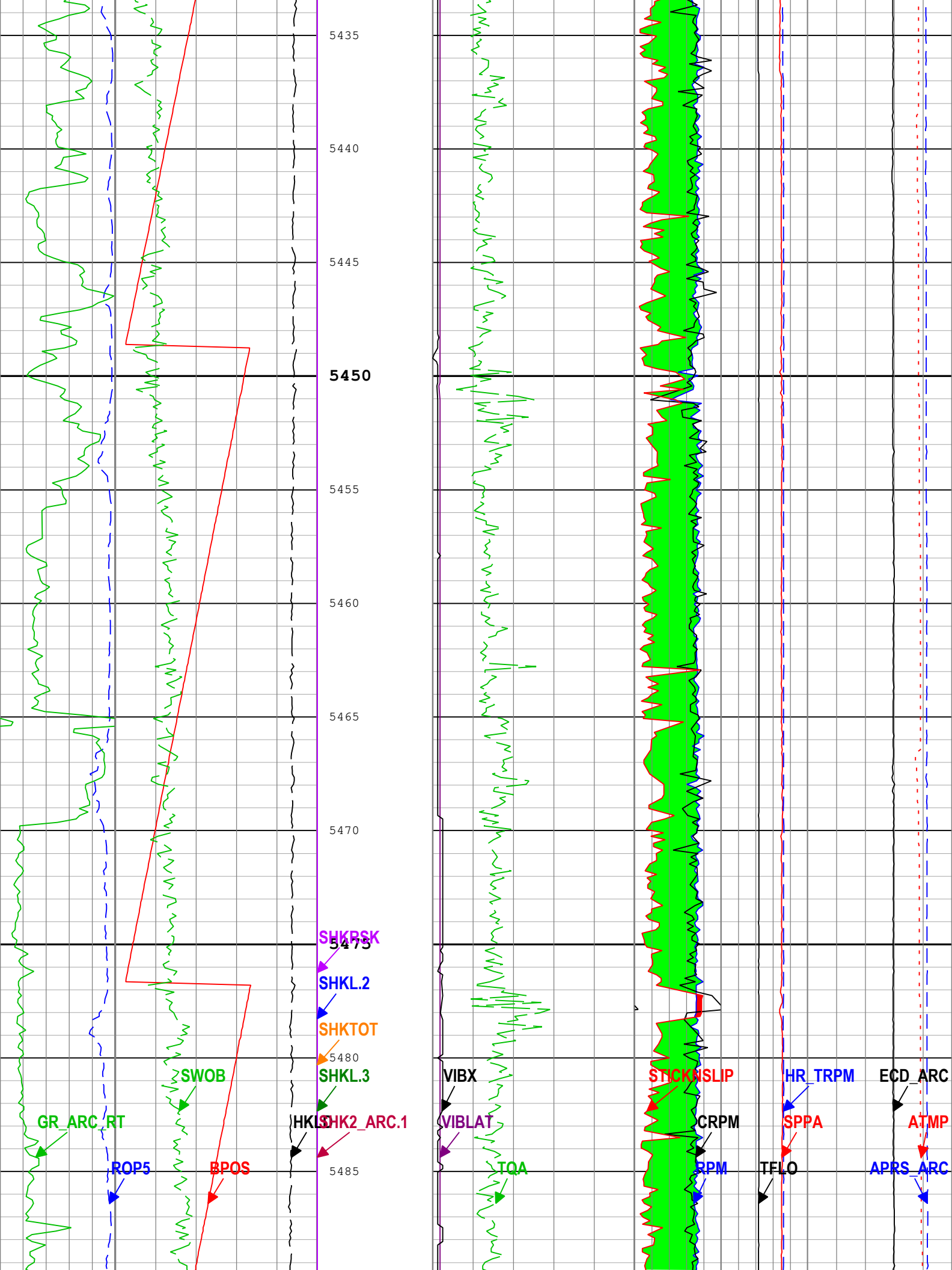


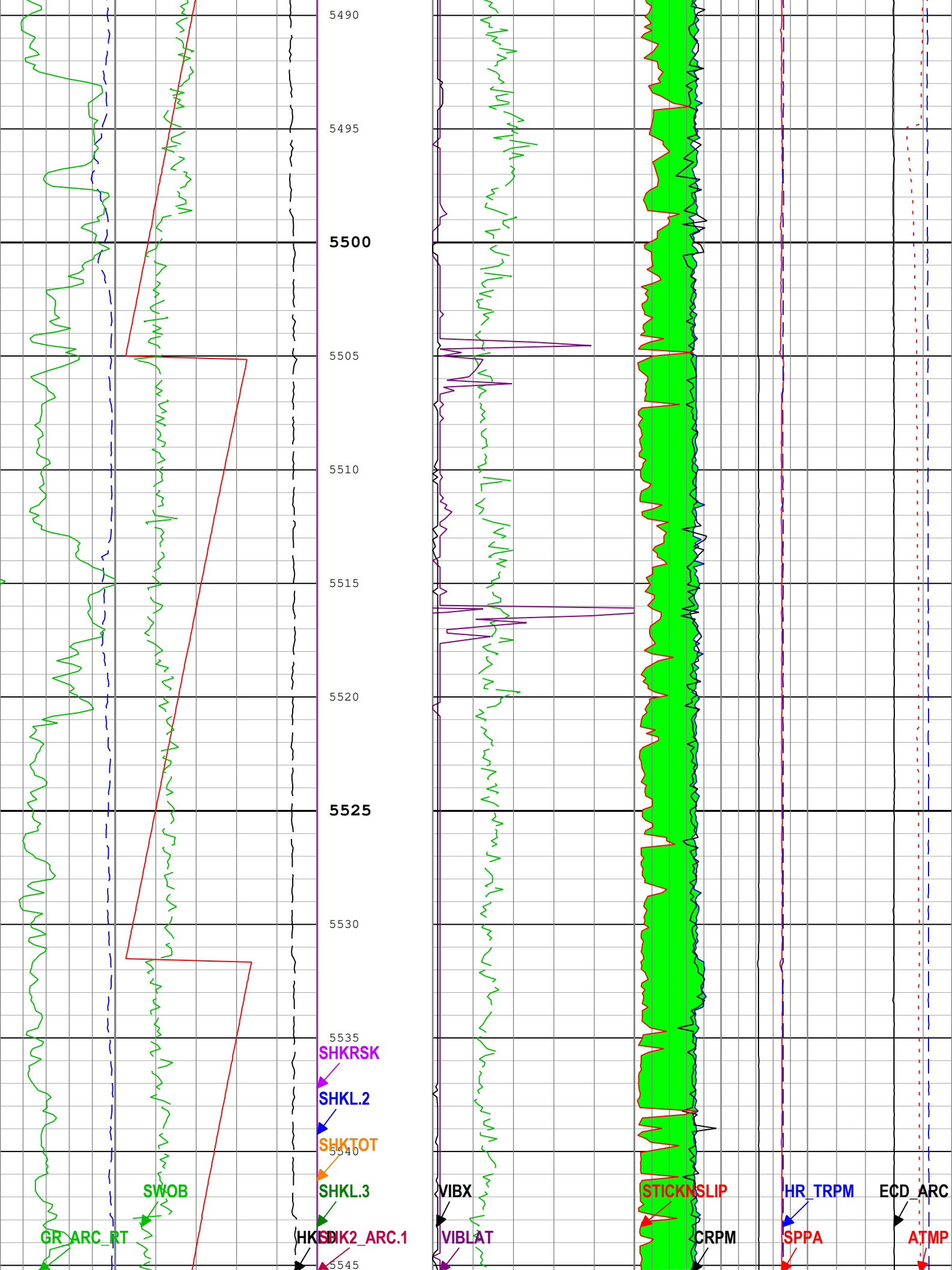


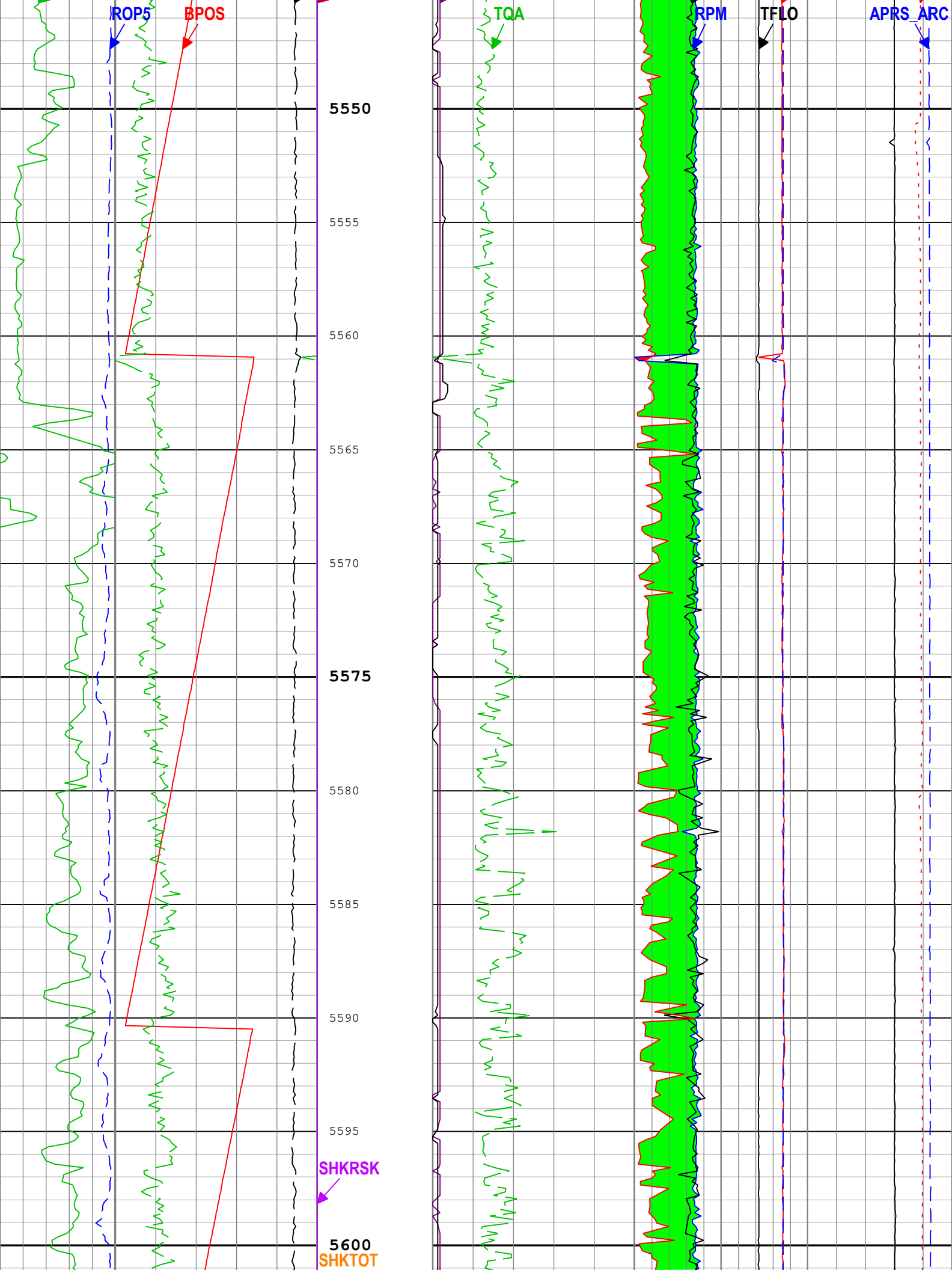


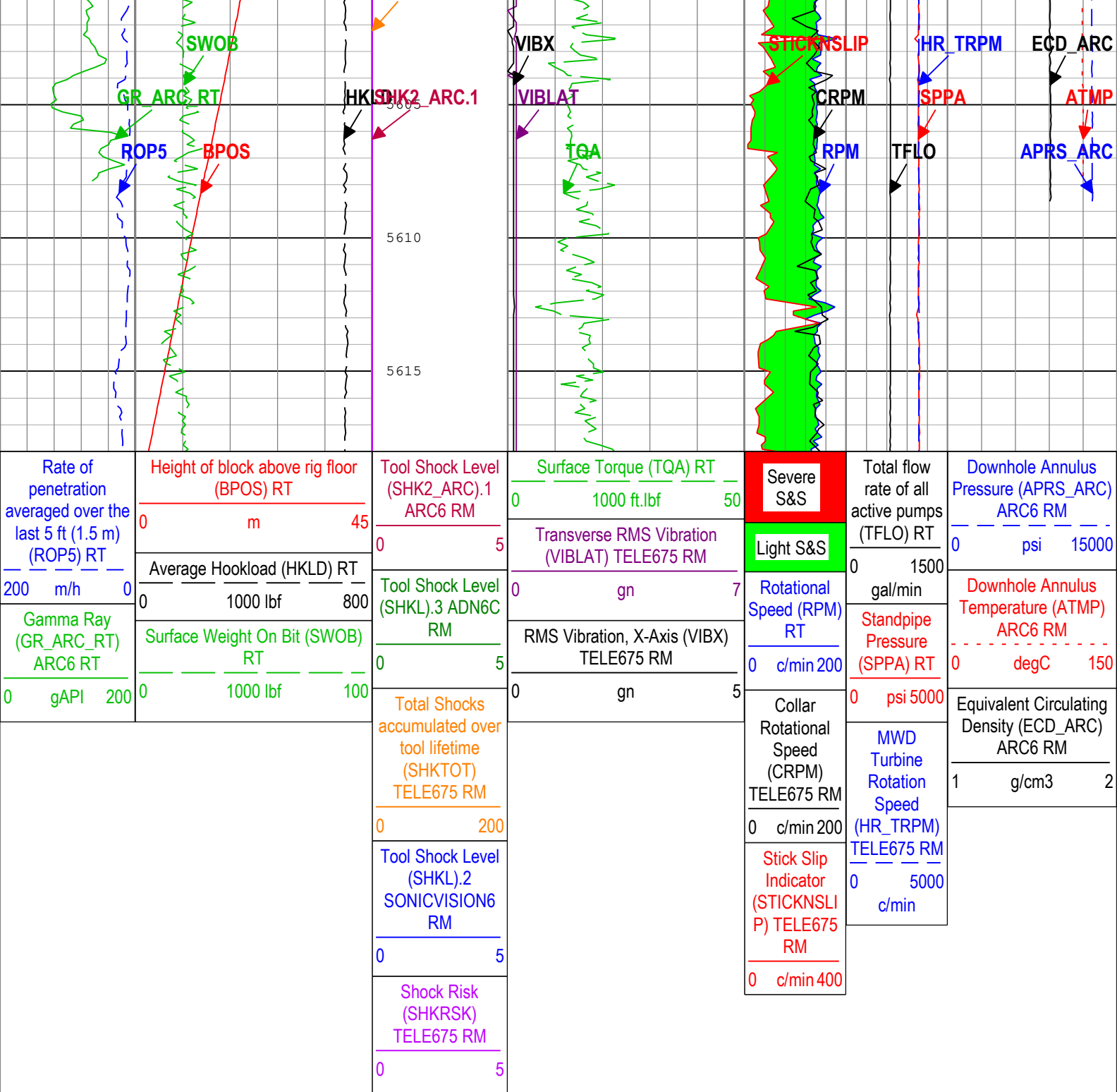












Description: TeleScope Drilling Mechanics Depth RT Format: Log ( 8.5in\_DML\_Depth RM ) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 07-Jan-2021 21:38:26

| Channel Processing Parameters |  |            |                 |       |
|-------------------------------|--|------------|-----------------|-------|
| Run8_8.5in: Parameters        |  |            |                 |       |
| Parameter                     | Description  | Tool       | Value           | Unit  |
| BHK                           | Drilling Fluid Potassium Concentration                   | Borehole   | 0               | %     |
| BS                            | Bit Size   | DNMSESSION | Depth Zoned     | in    |
| DEPTH_SEL                     | Depth Selection Parameter                                | DNMSESSION | Driller's Depth |       |
| DFD                           | Drilling Fluid Density                                   | Borehole   | Time Zoned      | g/cm3 |
| FLEV                          | Depth of Drilling Fluid Level to LMF (Log Measured From) | Borehole   | 2.44            | m     |
| RHO_SEAWATER                  | Density of the Sea Water                                 | Borehole   | 1.02            | g/cm3 |
| SF_FLAG                       | Mud Return to Sea Floor (No Riser)?                      | Borehole   | No              |       |

Depth Zone Parameters

## Depth Zone Parameters

| Parameter | Value | Start ( m ) | Stop ( m ) |
|-----------|-------|-------------|------------|
| BS        | 12.25 | 5150        | 5201.9     |
| BS        | 8.5   | 5201.9      | 5618       |

All depth are actual.

## Time Zone Parameters

| Parameter | Value | Start Time           | Stop Time            | Start Depth ( m ) | Stop Depth ( m ) |
|-----------|-------|----------------------|----------------------|-------------------|------------------|
| DFD       | 1.49  | 25-Dec-2020 20:13:26 | 27-Dec-2020 15:00:00 | 4799.79           | 5282.16          |
| DFD       | 1.51  | 27-Dec-2020 15:00:00 | 30-Dec-2020 09:47:12 | 5282.16           | 5618.3           |

All depth are at tool zero.

## Tool Control Parameters

### Run8\_8.5in: Parameters

| Parameter | Description  | Tool       | Value | Unit |
|-----------|--|------------|-------|------|
| OFFBTM_TH | Threshold for deciding whether the bit is off bottom | DNMSESSION | 0.3   | m    |

## Calibration Report

### ARC6 (Array Resistivity Compensated 675) Calibration - Run Run8\_8.5in

|                     |                                    |      |     |
|---------------------|------------------------------------|------|-----|
| Primary Equipment : | Elec. Chassis HP with AIM Receiver | AREA | 657 |
|---------------------|------------------------------------|------|-----|

### RESAIRCAL - Resistivity: Air

Master (Time Frame File): 08:56:27 01-Dec-2020

| Measurement               | Unit | Phase  | Nominal | Low Limit | Actual | High Limit |  |
|---------------------------|------|--------|---------|-----------|--------|------------|--|
| Attenuation T1 at 2 MHz   | dB   | Master | 8.500   | 6.500     | 8.305  | 10.500     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Attenuation T2 at 2 MHz   | dB   | Master | 6.500   | 4.500     | 6.662  | 8.500      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Attenuation T3 at 2 MHz   | dB   | Master | 4.500   | 2.500     | 4.926  | 6.500      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Attenuation T4 at 2 MHz   | dB   | Master | 4.600   | 2.600     | 4.561  | 6.600      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Attenuation T5 at 2 MHz   | dB   | Master | 3.600   | 1.600     | 3.474  | 5.600      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Phase Shift T1 at 2 MHz   | deg  | Master | 0.100   | -3.900    | -0.518 | 4.100      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Phase Shift T2 at 2 MHz   | deg  | Master | 0.100   | -3.900    | 0.649  | 4.100      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Phase Shift T3 at 2 MHz   | deg  | Master | 0.100   | -3.900    | -0.611 | 4.100      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Phase Shift T4 at 2 MHz   | deg  | Master | 0.100   | -3.900    | 0.588  | 4.100      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Phase Shift T5 at 2 MHz   | deg  | Master | 0.100   | -3.900    | -0.653 | 4.100      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Attenuation T1 at 400 KHz | dB   | Master | 8.500   | 6.500     | 8.321  | 10.500     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Attenuation T2 at 400 KHz | dB   | Master | 6.500   | 4.500     | 6.656  | 8.500      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Attenuation T3 at 400 KHz | dB   | Master | 4.500   | 2.500     | 4.934  | 6.500      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Attenuation T4 at 400 KHz | dB   | Master | 4.600   | 2.600     | 4.551  | 6.600      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Attenuation T5 at 400 KHz | dB   | Master | 3.600   | 1.600     | 3.492  | 5.600      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Phase Shift T1 at 400 KHz | deg  | Master | 0.100   | -3.900    | 1.453  | 4.100      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Phase Shift T2 at 400 KHz | deg  | Master | 0.100   | -3.900    | -1.566 | 4.100      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Phase Shift T3 at 400 KHz | deg  | Master | 0.100   | -3.900    | 1.492  | 4.100      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Phase Shift T4 at 400 KHz | deg  | Master | 0.100   | -3.900    | -1.577 | 4.100      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Phase Shift T5 at 400 KHz | deg  | Master | 0.100   | -3.900    | 1.459  | 4.100      | <div><div></div><div></div><div></div><div></div><div></div></div> |

### GRGAIN - Gamma Ray: Blanket

Master (Time Frame File): 09:43:57 14-Oct-2020

| Measurement                | Unit | Phase  | Nominal | Low Limit | Actual | High Limit |  |
|----------------------------|------|--------|---------|-----------|--------|------------|--|
| Gamma Ray Calibration Gain |      | Master | 1.000   | 0.580     | 1.100  | 1.250      | <div><div></div><div></div><div></div><div></div><div></div></div> |

### ADN6C (Azimuthal Density Neutron Vision 675) Calibration - Run Run8\_8.5in

|                     |                                |      |     |
|---------------------|--------------------------------|------|-----|
| Primary Equipment : | ADSE-EG: Chassis, Lo-Pres, Mag | ADSE | 535 |
|---------------------|--------------------------------|------|-----|

|                       |  |      |         |
|-----------------------|--|------|---------|
| Auxiliary Equipment : | Collar, IBS 8-1/4, P550                | ADDC | H7429/1 |
|                       | Retrievable Neutron Gamma Src Plugless | RNGS | 6D091   |

### Density LSW3 - Long Spacing Window 3

Master (Time Frame File): 23:01:41 21-Oct-2020

| Measurement                | Unit  | Phase  | Nominal | Low Limit | Actual | High Limit |  |
|----------------------------|-------|--------|---------|-----------|--------|------------|--|
| LS window 3 - Background   | 1/s   | Master | 52.5    | 30.0      | 49.5   | 75.0       |  |
| LS window 3 - Al           | 1/s   | Master | 537.5   | 75.0      | 144.8  | 1000.0     |  |
| LS window 3 - Mg           | 1/s   | Master | 3000.0  | 500.0     | 981.0  | 5500.0     |  |
| Long spacing water density | g/cm3 | Master | 1.039   | 1.024     | 1.036  | 1.054      |  |

## Density SSW1 - Short Spacing Window 1

Master (Time Frame File): 23:01:41 21-Oct-2020

| Measurement              | Unit | Phase  | Nominal | Low Limit | Actual | High Limit |                        |
|--------------------------|------|--------|---------|-----------|--------|------------|------------------------|
| SS window 1 - Background | 1/s  | Master | 125.0   | 75.0      | 109.0  | 175.0      | <div><div></div></div> |
| SS window 1 - Al         | 1/s  | Master | 2625.0  | 750.0     | 1283.5 | 4500.0     | <div><div></div></div> |
| SS window 1 - Mg         | 1/s  | Master | 5750.0  | 1500.0    | 2538.0 | 10000.0    | <div><div></div></div> |

### Density SSW3 - Short Spacing Window 3

Master (Time Frame File): 23:01:41 21-Oct-2020

| Measurement                 | Unit  | Phase  | Nominal | Low Limit | Actual | High Limit |                        |
|-----------------------------|-------|--------|---------|-----------|--------|------------|------------------------|
| SS window 3 - Background    | 1/s   | Master | 550.0   | 350.0     | 462.5  | 750.0      | <div><div></div></div> |
| SS window 3 - Al            | 1/s   | Master | 8500.0  | 2000.0    | 3700.3 | 15000.0    | <div><div></div></div> |
| SS window 3 - Mg            | 1/s   | Master | 14250.0 | 3500.0    | 5943.5 | 25000.0    | <div><div></div></div> |
| Short spacing water density | g/cm3 | Master | 1.126   | 1.096     | 1.138  | 1.156      | <div><div></div></div> |

## Neutron Porosity - Water Check

Master (Time Frame File): 23:01:41 21-Oct-2020

| Measurement                | Unit  | Phase  | Nominal | Low Limit | Actual  | High Limit |  |  |
|----------------------------|-------|--------|---------|-----------|---------|------------|--|--|
| Far Neutron Water Porosity | m3/m3 | Master | 1.00000 | 0.86000   | 1.02666 | 1.21000    |  |  |

## Neutron FR11 - Far Bank 1 Tube 1

Master (Time Frame File): 23:01:41 21-Oct-2020

| Measurement          | Unit | Phase  | Nominal | Low Limit | Actual | High Limit |  |  |
|----------------------|------|--------|---------|-----------|--------|------------|--|--|
| Far 1 tube 1 - Air   | 1/s  | Master | 21.150  |           | 20.676 |            |  |  |
| Far 1 tube 1 - Rod   | 1/s  | Master | 5.700   |           | 5.152  |            |  |  |
| Far 1 tube 1 - Water | 1/s  | Master | 2.800   |           | 2.354  |            |  |  |

## Neutron FR12 - Far Bank 1 Tube 2

Master (Time Frame File): 23:01:41 21-Oct-2020

| Measurement          | Unit | Phase  | Nominal | Low Limit | Actual | High Limit |  |  |
|----------------------|------|--------|---------|-----------|--------|------------|--|--|
| Far 1 tube 2 - Air   | 1/s  | Master | 21.150  |           | 21.549 |            |  |  |
| Far 1 tube 2 - Rod   | 1/s  | Master | 5.700   |           | 5.291  |            |  |  |
| Far 1 tube 2 - Water | 1/s  | Master | 2.800   |           | 2.418  |            |  |  |

## Neutron FR13 - Far Bank 1 Tube 3

Master (Time Frame File): 23:01:41 21-Oct-2020

| Measurement          | Unit | Phase  | Nominal | Low Limit | Actual | High Limit |  |  |
|----------------------|------|--------|---------|-----------|--------|------------|--|--|
| Far 1 tube 3 - Air   | 1/s  | Master | 21.150  |           | 20.910 |            |  |  |
| Far 1 tube 3 - Rod   | 1/s  | Master | 5.700   |           | 5.143  |            |  |  |
| Far 1 tube 3 - Water | 1/s  | Master | 2.800   |           | 2.333  |            |  |  |

## Neutron FR21 - Far Bank 2 Tube 1

Master (Time Frame File): 23:01:41 21-Oct-2020

| Measurement          | Unit | Phase  | Nominal | Low Limit | Actual | High Limit |  |  |
|----------------------|------|--------|---------|-----------|--------|------------|--|--|
| Far 2 tube 1 - Air   | 1/s  | Master | 21.150  |           | 21.209 |            |  |  |
| Far 2 tube 1 - Rod   | 1/s  | Master | 5.700   |           | 5.266  |            |  |  |
| Far 2 tube 1 - Water | 1/s  | Master | 2.800   |           | 2.427  |            |  |  |

## Neutron FR22 - Far Bank 2 Tube 2

Master (Time Frame File): 23:01:41 21-Oct-2020

| Measurement          | Unit | Phase  | Nominal | Low Limit | Actual | High Limit |  |  |
|----------------------|------|--------|---------|-----------|--------|------------|--|--|
| Far 2 tube 2 - Air   | 1/s  | Master | 21.150  |           | 21.948 |            |  |  |
| Far 2 tube 2 - Rod   | 1/s  | Master | 5.700   |           | 5.327  |            |  |  |
| Far 2 tube 2 - Water | 1/s  | Master | 2.800   |           | 2.423  |            |  |  |

## Neutron FR23 - Far Bank 2 Tube 3

Master (Time Frame File): 23:01:41 21-Oct-2020

| Measurement          | Unit | Phase  | Nominal | Low Limit | Actual | High Limit |  |  |
|----------------------|------|--------|---------|-----------|--------|------------|--|--|
| Far 2 tube 3 - Air   | 1/s  | Master | 21.150  |           | 21.264 |            |  |  |
| Far 2 tube 3 - Rod   | 1/s  | Master | 5.700   |           | 5.357  |            |  |  |
| Far 2 tube 3 - Water | 1/s  | Master | 2.800   |           | 2.392  |            |  |  |

## Neutron NR11 - Near Bank 1 Tube 1

Master (Time Frame File): 23:01:41 21-Oct-2020

| Measurement           | Unit | Phase  | Nominal | Low Limit | Actual  | High Limit |  |  |
|-----------------------|------|--------|---------|-----------|---------|------------|--|--|
| Near 1 tube 1 - Air   | 1/s  | Master | 575.000 |           | 537.034 |            |  |  |
| Near 1 tube 1 - Rod   | 1/s  | Master | 895.000 |           | 861.533 |            |  |  |
| Near 1 tube 1 - Water | 1/s  | Master | 412.500 |           | 364.263 |            |  |  |

## Neutron NR21 - Near Bank 2 Tube 1

Master (Time Frame File): 23:01:41 21-Oct-2020

| Measurement           | Unit | Phase  | Nominal | Low Limit | Actual  | High Limit |  |  |
|-----------------------|------|--------|---------|-----------|---------|------------|--|--|
| Near 2 tube 1 - Air   | 1/s  | Master | 575.000 |           | 541.492 |            |  |  |
| Near 2 tube 1 - Rod   | 1/s  | Master | 895.000 |           | 879.394 |            |  |  |
| Near 2 tube 1 - Water | 1/s  | Master | 412.500 |           | 367.823 |            |  |  |

|           |                                  |  |
|-----------|----------------------------------|--|
| Company:  | BP Development Australia Pty Ltd |  |
| Well:     | Ironbark-1                       |  |
| Field:    | Ironbark                         |  |
| Rig Name: | Ocean Apex                       |  |
| State:    | Western Australia                |  |
| Country:  | Australia                        |  |



**Schlumberger**

Drilling Mechanics Depth  
1:200 Measured Depth  
Recorded Mode Data