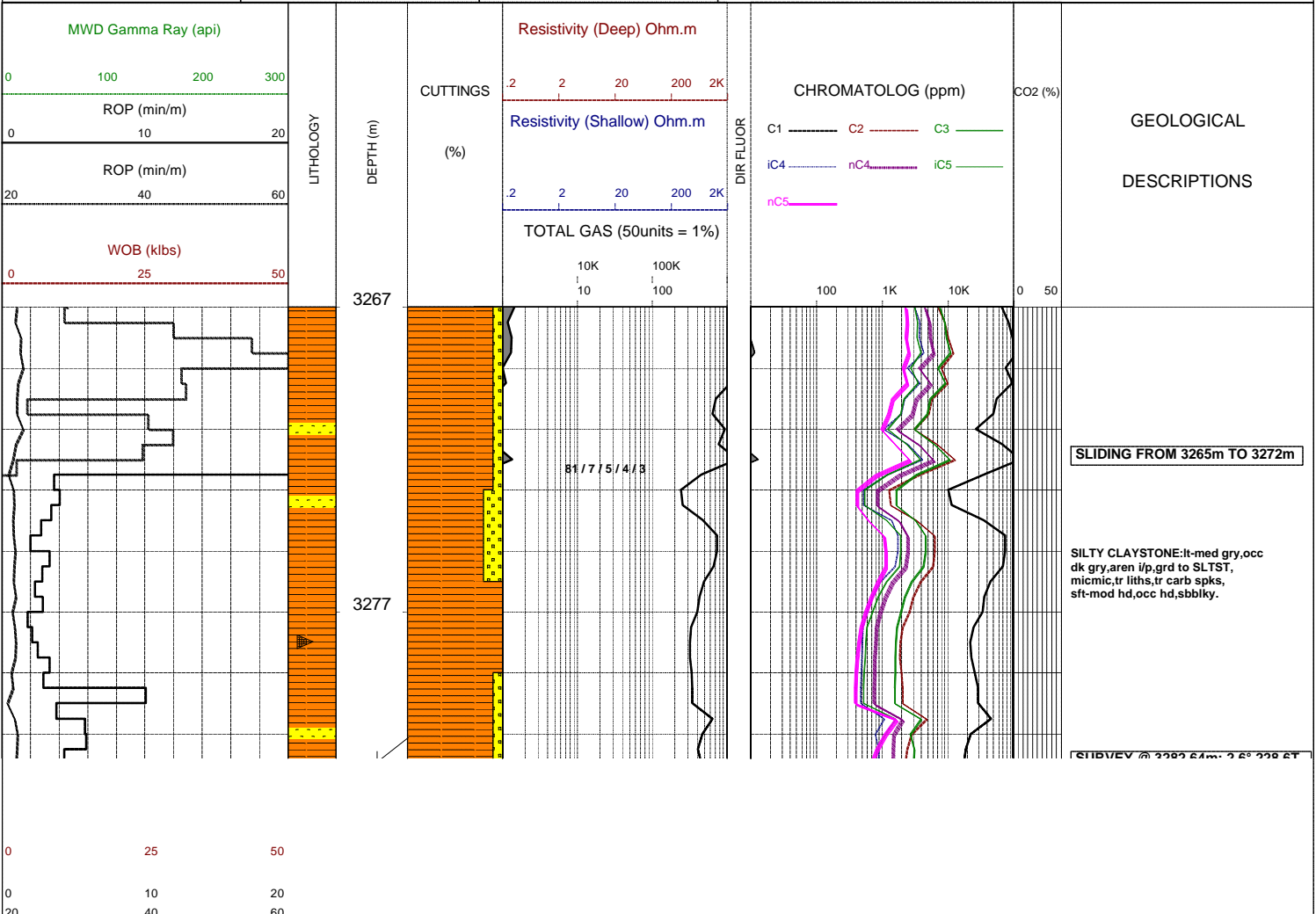


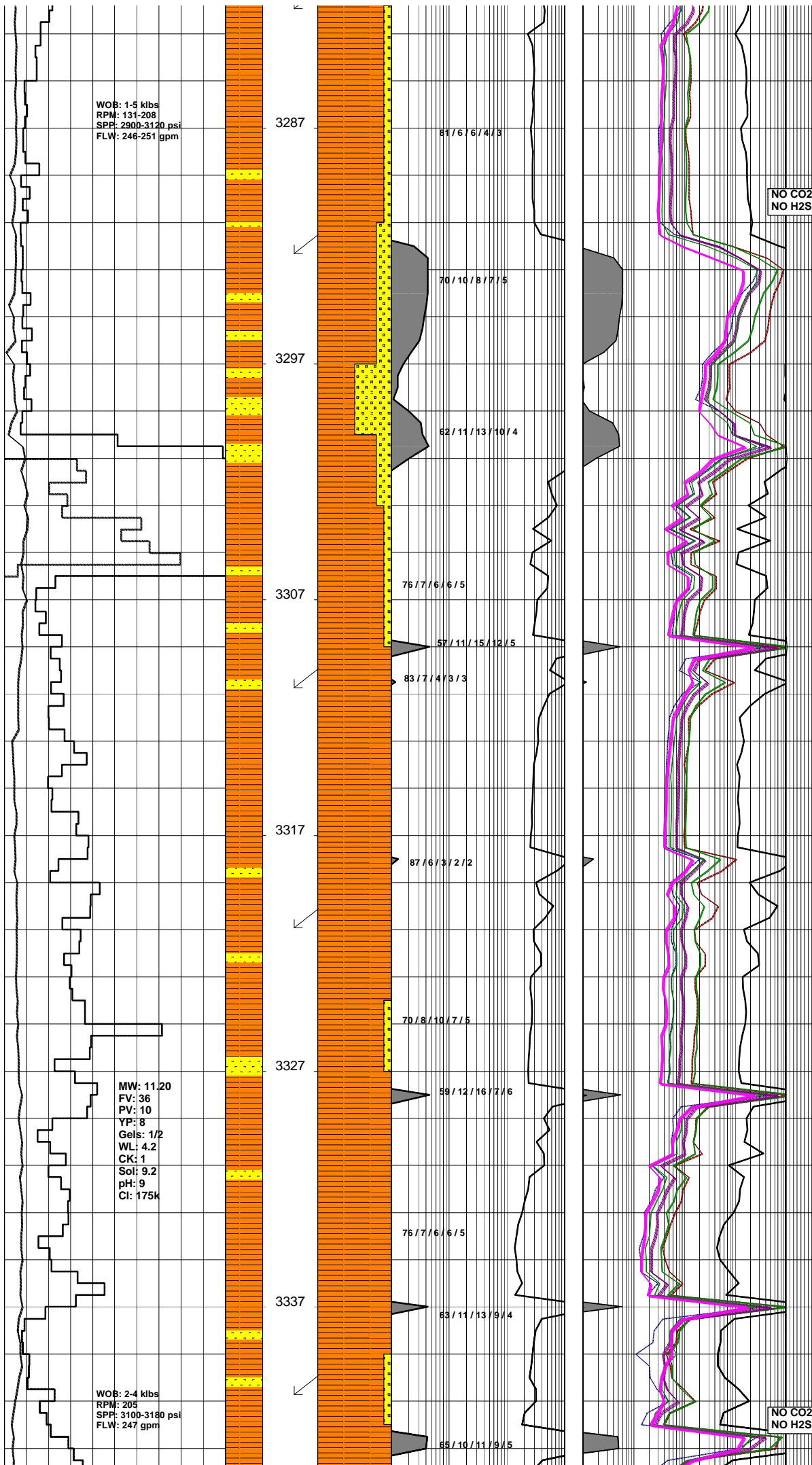
GLENAIRE 1 ST1

| | | | | | |
|---------------------|--------------------------------|------------------------|---------------------|-------------------------|--------------------|
| Field : aaa | Kelly Bushing : PEP 160 | Rig : ENSIGN 32 | Open Hole: | Cased Hole: | Loggers : J.SUTTON |
| Block: bbb | Ground Level : STATUS | Spud Date : 08/09/2006 | 17.5" (12.25") 307m | 13.375" (9.625") 303.5m | N.LUIS |
| State : VICTORIA | GRS80 Ellipsoid MGA94 Zone54 : | TD Date : XX/XX/2006 | 12.25" (8.5") 1255m | 9.625" (7.0") 1252m | J.TRETHEWEY |
| Country : AUSTRALIA | Lat. : 37°34'47.03S | Total Depth : jjj | 8.5" 3006m | 7.0" 2999m | bbb |
| Scale : 1/ 200 | Long. : 140°59'52.25E | Final Status : kkk | 6.0" eee | hhhh iii | ccc |

| LITHOLOGY | ACCESSORIES | DRILLING DATA | ABBREVIATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|-------------------------------|-----------------|---------------------------------|----------------|---------------------|----------------------|--------------------|---------------|-------------------|----------------|-----------------|----------------------|-----------------------|---------------------------|----------------------------|------------------------------|-------------------|-----------------------------------|---------------------|------------------------|----------------------|--------------------|-----------------------------------|------------------------------------|---------------------------------|-----------------------------|----------------------------------|--------------------------|--------------------------|---------------------------|--------------------------|----------------------|---------------------------|---------------|-------------------|---------------------|
| <ul style="list-style-type: none"> Conglomerate Coarse Sandstone Med Sandstone Calcareous Sst Silty Sandstone Siltstone Carb. Siltstone Calc. Siltstone Clay Limestone Dolomite Coal Anhydrite Gypsum Igneous Volcanic Metamorphic Cement | <ul style="list-style-type: none"> Pyrite Siderite Glauconite Feldspar Mica Ferrous Chert Calcareous Dolomitic Carbonaceous Lithoclast Breccia Foraminifera Corals Inoceramus Bryozoa Plant remains Fossils | <ul style="list-style-type: none"> Casing Shoe Bit Trip Wiper Trip Core DST Deviation Survey <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p style="text-align: center; margin: 0;">MUD DATA</p> <p>MW - Mud Weight (lb/gal)</p> <p>FV - Funnel Viscosity (s/qt)</p> <p>PV - Plastic Viscosity (cps)</p> <p>YP - Yield Point (lb/100ftsq)</p> <p>Gel - Gel Strength (10sec)</p> <p>WL - Water Loss (cc/30min)</p> <p>pH - Acidity / Alkalinity</p> <p>Ck - Cake (32nd/inch)</p> <p>O/W/S - Oil / Water / Solids</p> <p>Cl - Chlorides (mg/L)</p> <p>K+ - Potassium (mg/L)</p> <p>Rmf - Res. Mud Filtrate (ohmm)</p> </div> | <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">BOPD - Barrels of Oil Per Day</td> <td style="width: 50%;">OG - Over Gauge</td> </tr> <tr> <td>BWPD - Barrels of Water Per Day</td> <td>OH - Open Hole</td> </tr> <tr> <td>CG - Connection Gas</td> <td>OTS - Oil To Surface</td> </tr> <tr> <td>CO - Circulate Out</td> <td>Q - Flow Rate</td> </tr> <tr> <td>COND - Condensate</td> <td>REC - Recovery</td> </tr> <tr> <td>c/c - Crush Cut</td> <td>FLUOR - Fluorescence</td> </tr> <tr> <td>DST - Drill Stem Test</td> <td>ROP - Rate Of Penetration</td> </tr> <tr> <td>FLOW - Flow Rate (gal/min)</td> <td>RPM - Revolutions Per Minute</td> </tr> <tr> <td>GCM - Gas Cut Mud</td> <td>RTSTM - Rate Too Small To Measure</td> </tr> <tr> <td>GCW - Gas Cut Water</td> <td>Rw - Resistivity water</td> </tr> <tr> <td>GTS - Gas To Surface</td> <td>r/r - Ring Residue</td> </tr> <tr> <td>INJ - Injection of Mist (bbls/hr)</td> <td>SCFM - Standard Cubic Ft/Min (air)</td> </tr> <tr> <td>LCM - Lost Circulation Material</td> <td>SGCM - Slightly Gas Cut Mud</td> </tr> <tr> <td>MMCFD - Million Cubic Feet / Day</td> <td>SPM - Strokes Per Minute</td> </tr> <tr> <td>NGTS - No Gas To Surface</td> <td>SPP - Stand Pipe Pressure</td> </tr> <tr> <td>NOTS - No Oil To Surface</td> <td>SWC - Side-Wall Core</td> </tr> <tr> <td>NFTS - No Flow To Surface</td> <td>TG - Trip Gas</td> </tr> <tr> <td>OCM - Oil Cut Mud</td> <td>WOB - Weight On Bit</td> </tr> </table> | BOPD - Barrels of Oil Per Day | OG - Over Gauge | BWPD - Barrels of Water Per Day | OH - Open Hole | CG - Connection Gas | OTS - Oil To Surface | CO - Circulate Out | Q - Flow Rate | COND - Condensate | REC - Recovery | c/c - Crush Cut | FLUOR - Fluorescence | DST - Drill Stem Test | ROP - Rate Of Penetration | FLOW - Flow Rate (gal/min) | RPM - Revolutions Per Minute | GCM - Gas Cut Mud | RTSTM - Rate Too Small To Measure | GCW - Gas Cut Water | Rw - Resistivity water | GTS - Gas To Surface | r/r - Ring Residue | INJ - Injection of Mist (bbls/hr) | SCFM - Standard Cubic Ft/Min (air) | LCM - Lost Circulation Material | SGCM - Slightly Gas Cut Mud | MMCFD - Million Cubic Feet / Day | SPM - Strokes Per Minute | NGTS - No Gas To Surface | SPP - Stand Pipe Pressure | NOTS - No Oil To Surface | SWC - Side-Wall Core | NFTS - No Flow To Surface | TG - Trip Gas | OCM - Oil Cut Mud | WOB - Weight On Bit |
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WOB: 1-5 klbs
RPM: 131-208
SPP: 2900-3120 psi
FLW: 246-251 gpm



NO CO2
NO H2S

SURVEY @ 3292.43m: 1.86° 259.15T

SANDSTONE:wh,off wh,occ lt gry,
f-med,pr-mod srt,sbang-sbrnd,
strng calc cmt,mod sil cmt,arg
mtx,tr feld,abdt blk,brn,gry,
red,grn liths,mod hd-hd,occ v hd,
ti por,min flour only.

SLIDING FROM 3300m TO 3306m

SURVEY @ 3311.56m: 2.89° 223.60T

SILTY CLAYSTONE:dk-med brn/gry,
med gry,arg,aren ip,com off wh,blk,
tn liths,micmic,mod hd-hd,sbfiss-
sbbkly ip.

SURVEY @ 3321.13m: 2.66° 227.71T

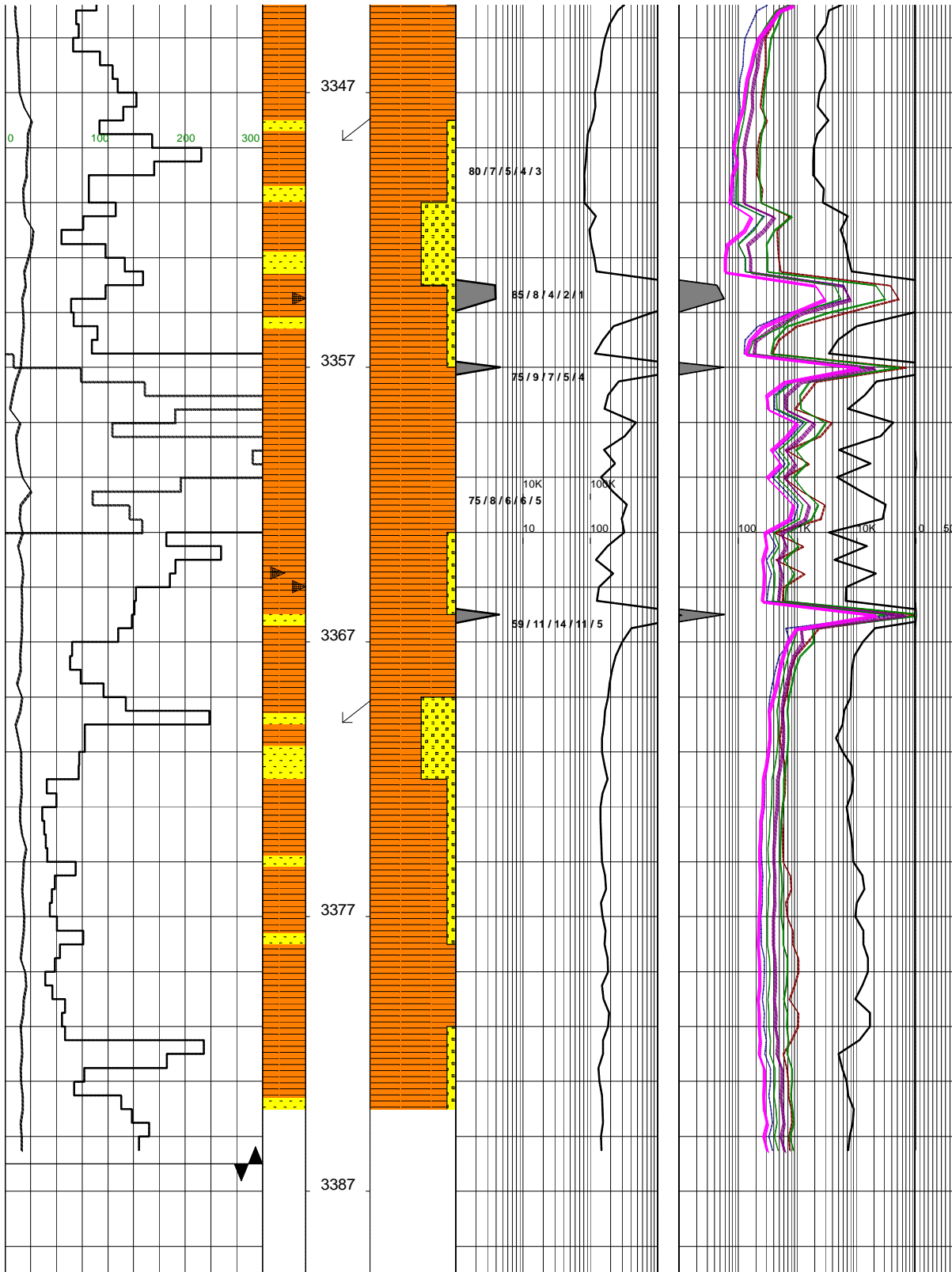
SANDSTONE:lt gry,occ med gry,vf-
f,wl srt,sbrnd,occ mod strg calc cmt,
com off wh arg mtx,occ blk,tn,off
wh liths,mod hd-fri,v pr vis por,min
fluor only.

MW: 11.20
FV: 36
PV: 10
YP: 8
Gels: 1/2
WL: 4.2
CK: 1
Sol: 9.2
pH: 9
Cl: 175k

WOB: 2-4 klbs
RPM: 205
SPP: 3100-3180 psi
FLW: 247 gpm

NO CO2
NO H2S

SURVEY @ 3341.07m: 1.99° 256.98T



SANDSTONE: off wh-lt gry, f, wl srt, sbang, sbrnd i/p, mod st sil cmt, calc cmt i/p, pl-off wh arg mtx, occ wh sil mtx, tr-com carb spks, occ lt-med brn, tr grn liths, mod hd, no vis por, min flour only.

SLIDING FROM 3356m TO 3363m

SURVEY @ 3349.72m: 1.86° 275.69T

SILTY CLAYSTONE: dk-med brn/gry, med gry, arg, aren i/p, com off wh, blk, tn liths, micmic, mod hd-hd, sbfiss-sbbkly i/p.

SURVEY @ 3370.03m: 3.00° 232.77T

SILTY CLAYSTONE: lt med gry, occ dk gry, arg, aren i/p, grd to SLTST, occ carb spks, abdt micmic, tr-com lt, brn liths, frm, occ hd, sbbkly.

14 STANDS WIPER TRIP @3386m TO SHOE @2998m

