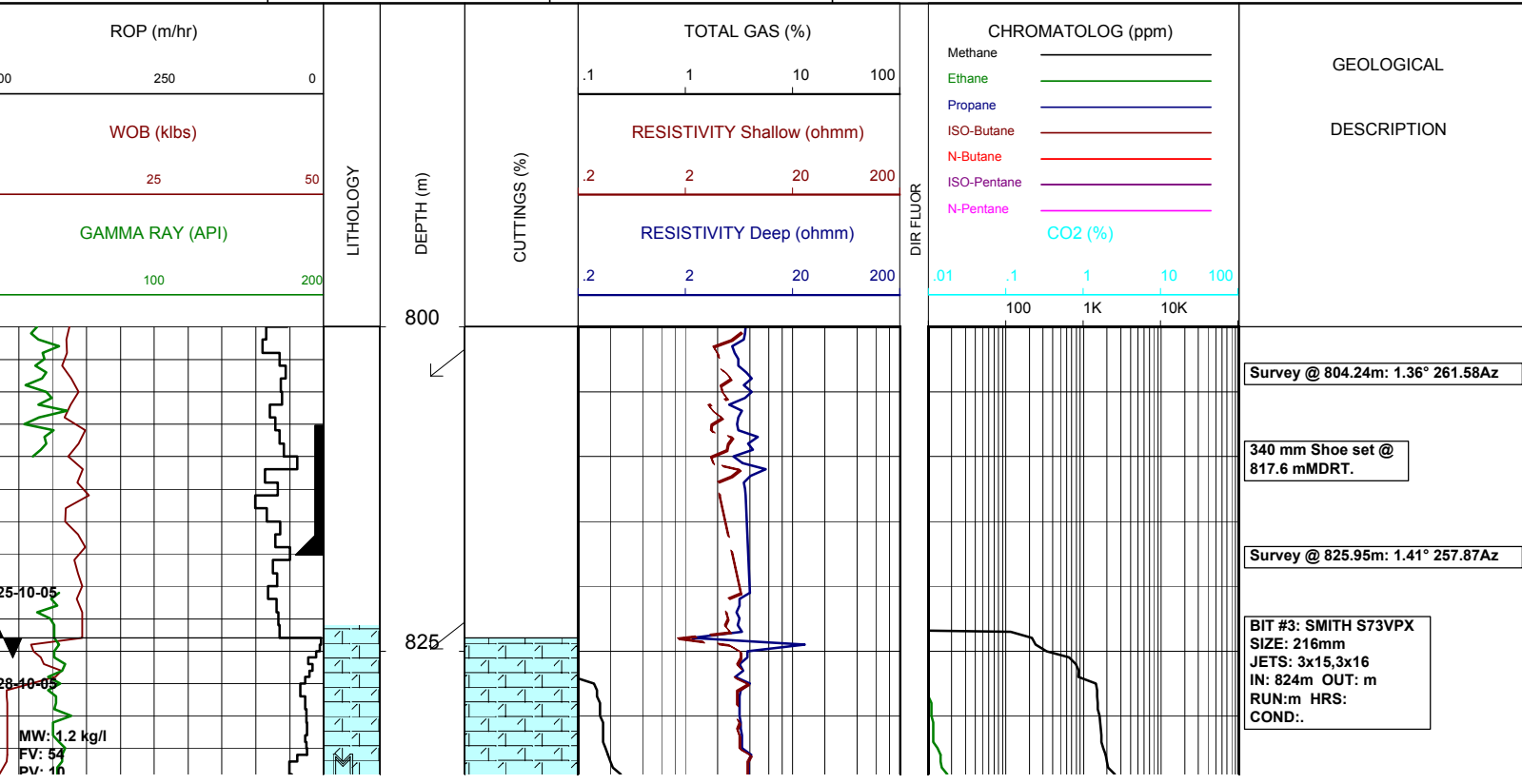
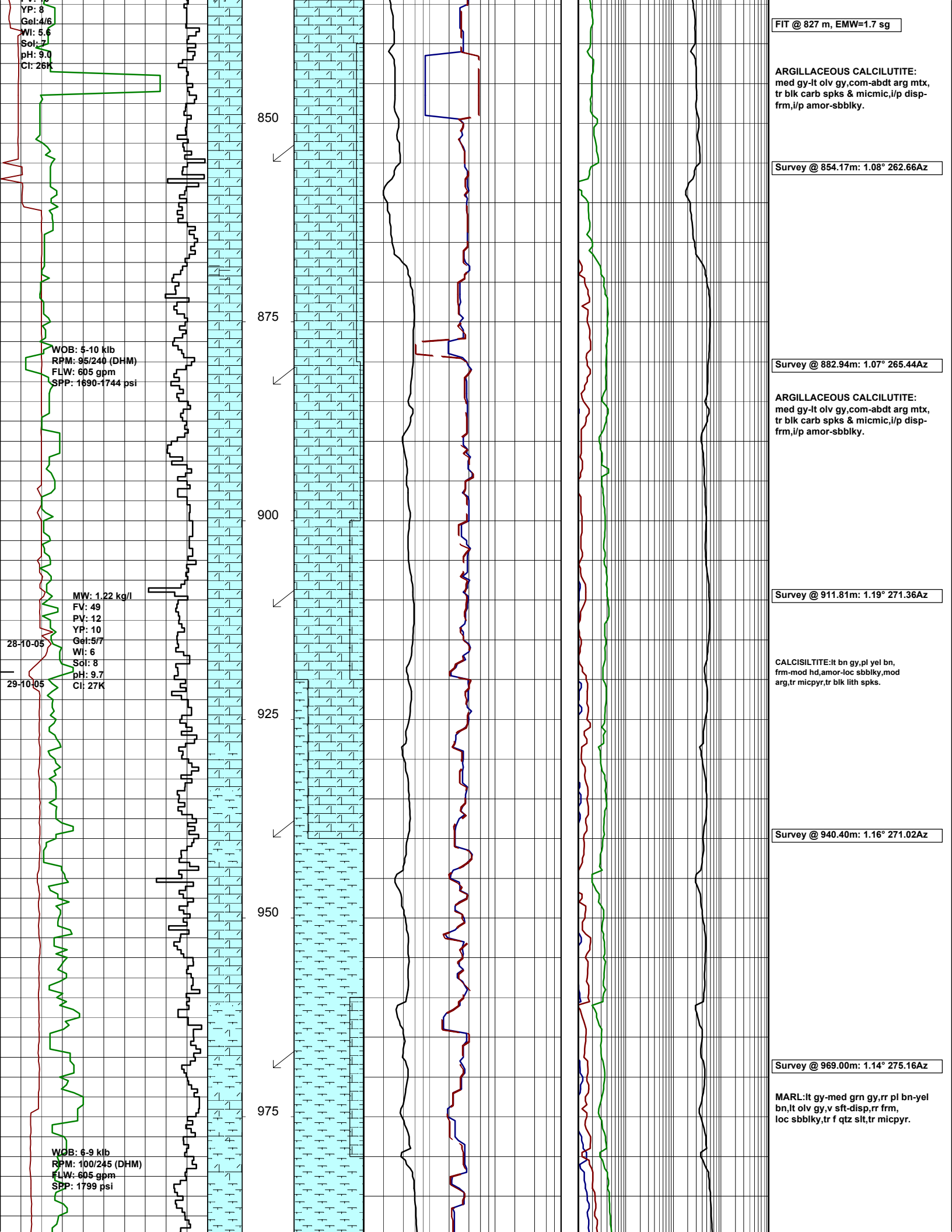


Field : SUNFISH	AHD - RT (m) : 21.5	Rig : OCEAN PATRIOT	Open Hole:	Cased Hole:	Engineers :D.ADDERLEY
Permit: VIC/P-54	Seabed - AHD (m) : 58.6	Spud date : 24-10-05	914 mm 111.69 m	762 mm 78.1 m	P.McGILVERAY
State : VICTORIA	Seabed - RT (m) : 80.1	TD date :	406 mm 824.0 m	340 mm 817.6 m	A.DUNN
Country : AUSTRALIA	Lat. : 38 07 47.91 S	Total depth :	216 mm		
Scale : 1/ 500	Long. : 148 09 08.44E	Final status :			

LITHOLOGY	ACCESSORIES	DRILLING DATA	ABBREVIATIONS																																				
<ul style="list-style-type: none"> Conglomerate Coarse Sandstone Med Sandstone Fine Sandstone VF Sandstone Claystone Carb. Siltstone Calc. Siltstone Siltstone Limestone Dolomite Coal Calclutite Calcsiltite Calcarenite 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 	<p>ABBREVIATIONS</p> <table border="0"> <tr> <td>BOPD - Barrels of Oil Per Day</td> <td>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>Rmf - Resistivity mud filtrate</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>NR - No Returns</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	Rmf - Resistivity mud filtrate	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	NR - No Returns	TG - Trip Gas	OCM - Oil Cut Mud	WOB - Weight On Bit
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		<p>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>Sol - Solids (% vol)</p> <p>Cl - Chlorides (mg/l)</p>																																					





YP: 8
Gel: 4/6
WI: 5.6
Sol: 7
pH: 9.0
Cl: 26K

FIT @ 827 m, EMW=1.7 sg

ARGILLACEOUS CALCILUTITE:
med gy-lt olv gy,com-abdt arg mtx,
tr blk carb spks & micmic,i/p disp-
frm,i/p amor-sbbkly.

Survey @ 854.17m: 1.08° 262.66Az

WOB: 5-10 klb
RPM: 95/240 (DHM)
FLW: 605 gpm
SPP: 1690-1744 psi

Survey @ 882.94m: 1.07° 265.44Az

ARGILLACEOUS CALCILUTITE:
med gy-lt olv gy,com-abdt arg mtx,
tr blk carb spks & micmic,i/p disp-
frm,i/p amor-sbbkly.

28-10-05
29-10-05

MW: 1.22 kg/l
FV: 49
PV: 12
YP: 10
Gel: 5/7
WI: 6
Sol: 8
pH: 9.7
Cl: 27K

Survey @ 911.81m: 1.19° 271.36Az

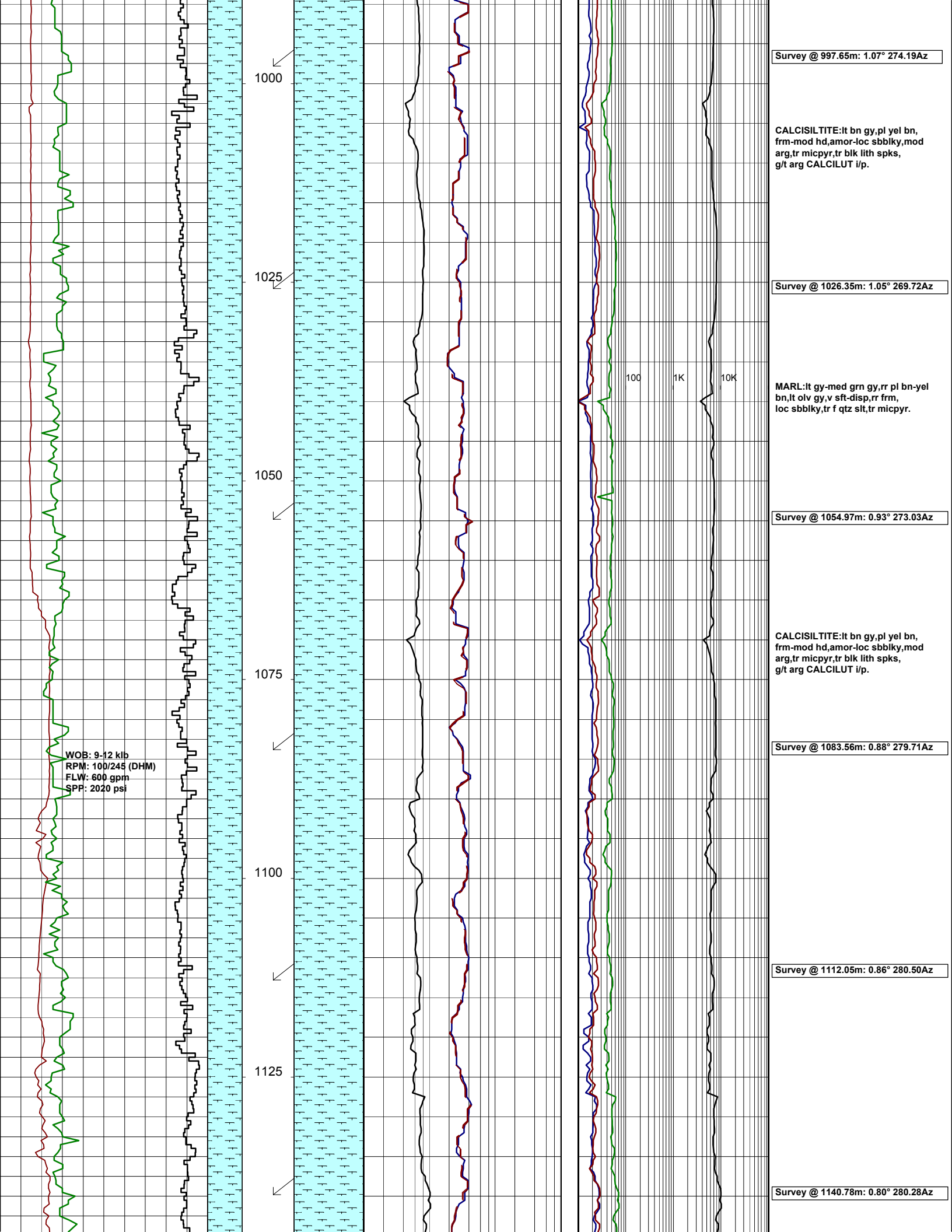
CALCISILTITE:lt bn gy,pl yel bn,
frm-mod hd,amor-loc sbbkly,mod
arg,tr micpyr,tr blk lith spks.

Survey @ 940.40m: 1.16° 271.02Az

Survey @ 969.00m: 1.14° 275.16Az

MARL:lt gy-med grn gy,rr pl bn-yel
bn,lt olv gy,v sft-disp,rr frm,
loc sbbkly,tr f qtz slt,tr micpyr.

WOB: 6-9 klb
RPM: 100/245 (DHM)
FLW: 605 gpm
SPP: 1799 psi



WOB: 9-12 klb
RPM: 100/245 (DHM)
FLW: 600 gpm
SPP: 2020 psi

Survey @ 997.65m: 1.07° 274.19Az

Survey @ 1026.35m: 1.05° 269.72Az

Survey @ 1054.97m: 0.93° 273.03Az

Survey @ 1083.56m: 0.88° 279.71Az

Survey @ 1112.05m: 0.86° 280.50Az

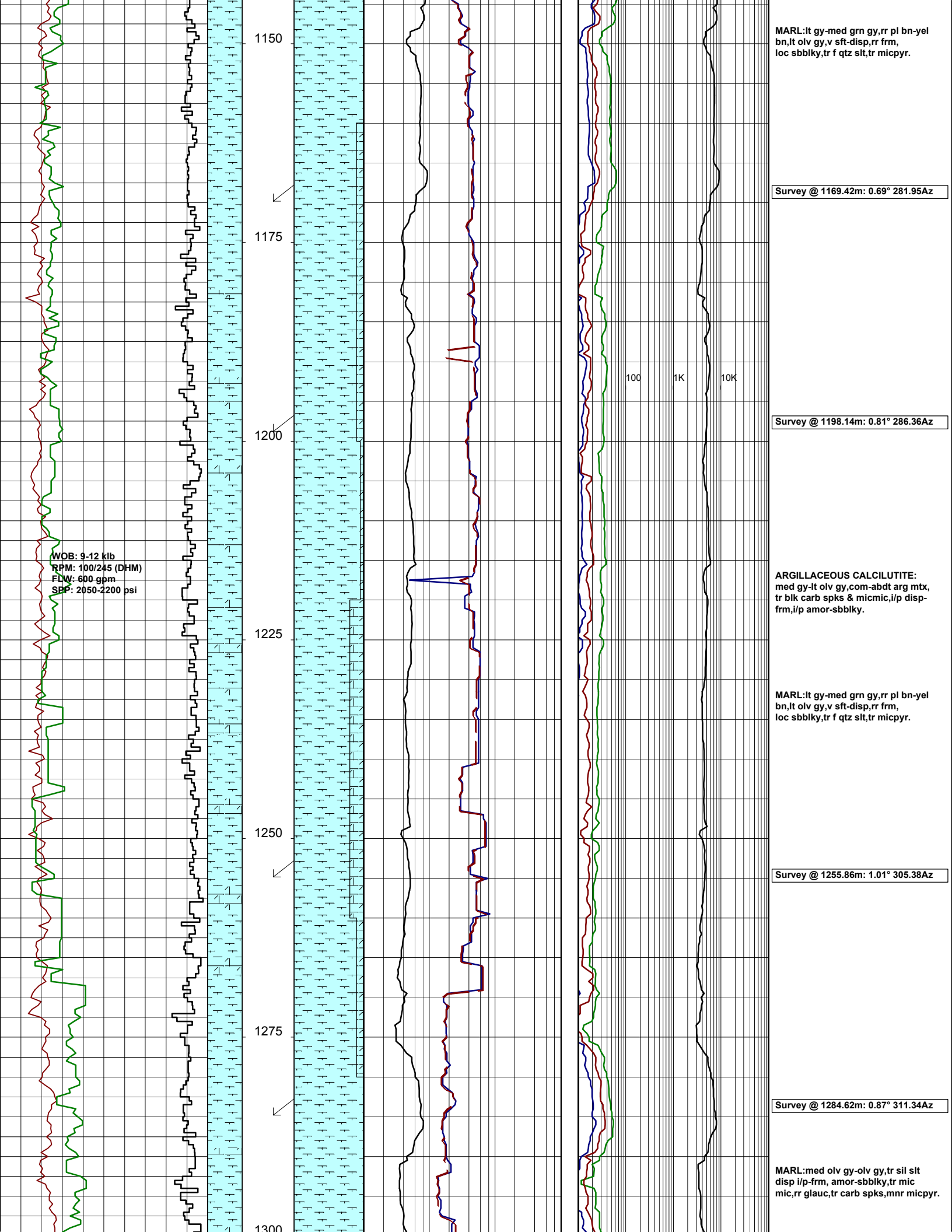
Survey @ 1140.78m: 0.80° 280.28Az

CALCISILTITE:lt bn gy,pl yel bn,
frm-mod hd,amor-loc sbbiky,mod
arg,tr micpyr,tr blk lith spks,
g/t arg CALCILUT i/p.

MARL:lt gy-med grn gy,rr pl bn-yel
bn,lt olv gy,v sft-disp,rr frm,
loc sbbiky,tr f qtz slit,tr micpyr.

CALCISILTITE:lt bn gy,pl yel bn,
frm-mod hd,amor-loc sbbiky,mod
arg,tr micpyr,tr blk lith spks,
g/t arg CALCILUT i/p.

100 1K 10K



MARL: it gy-med grn gy,rr pl bn-yel
bn,lt olv gy,v sft-disp,rr frm,
loc sbbkly,tr f qtz slt,tr micpyr.

Survey @ 1169.42m: 0.69° 281.95Az

Survey @ 1198.14m: 0.81° 286.36Az

ARGILLACEOUS CALCILUTITE:
med gy-lt olv gy,com-abdt arg mtx,
tr blk carb spks & micmic,i/p disp-
frm,i/p amor-sbbkly.

MARL: it gy-med grn gy,rr pl bn-yel
bn,lt olv gy,v sft-disp,rr frm,
loc sbbkly,tr f qtz slt,tr micpyr.

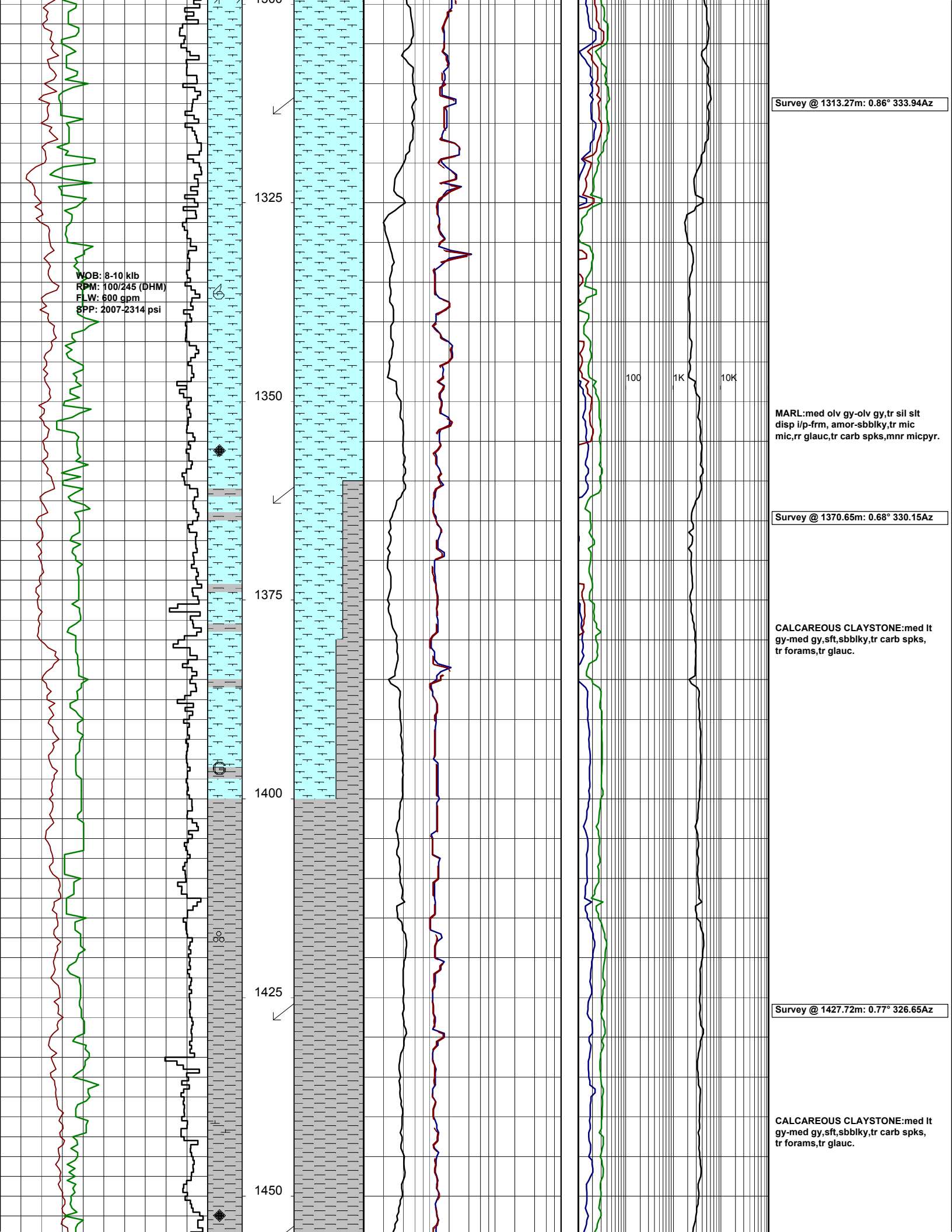
Survey @ 1255.86m: 1.01° 305.38Az

Survey @ 1284.62m: 0.87° 311.34Az

MARL: med olv gy-olv gy,tr sil slt
disp i/p-frm, amor-sbbkly,tr mic
mic,rr glauc,tr carb spks,mnr micpyr.

WOB: 9-12 klb
RPM: 100/245 (DHM)
FLW: 600 gpm
SBP: 2050-2200 psi

100 1K 10K



WOB: 8-10 klb
 RPM: 100/245 (DHM)
 FLW: 600 gpm
 SPP: 2007-2314 psi

Survey @ 1313.27m: 0.86° 333.94Az

MARL: med olv gy-olv gy, tr sil slit
 disp i/p-frm, amor-sbblky, tr mic
 mic, rr glauc, tr carb spks, mnr micpyr.

Survey @ 1370.65m: 0.68° 330.15Az

CALCAREOUS CLAYSTONE: med lt
 gy-med gy, sft, sbblky, tr carb spks,
 tr forams, tr glauc.

Survey @ 1427.72m: 0.77° 326.65Az

CALCAREOUS CLAYSTONE: med lt
 gy-med gy, sft, sbblky, tr carb spks,
 tr forams, tr glauc.

100 1K 10K

1300
1325
1350
1375
1400
1425
1450

WOB: 8-17 klb
RPM: 55/245 (DHM)
FLW: 602 gpm
SPP: 2007-2331 psi

MW: 1.20 kg/l
FV: 55
PV: 14
YP: 13
Gel: 6/13/19
WI: 5.6
Sol: 9
pH: 9.0
Cl: 34K

WOB: 13-19 klb
RPM: 95/245 (DHM)
FLW: 602 gpm
SPP: 1980-2250 psi

1475
1500
1525
1550
1575
1600

Survey @ 1456.2m: 0.82° 328.79Az

Survey @ 1484.95m: 0.85° 336.79Az

CALCAREOUS CLAYSTONE:med
gy,med olv gy,calc,tr silt,rr
glauc,tr micmic,tr f pyr,frm-
amor,sbblky.

Survey @ 1513.89m: 0.88° 324.92Az

CALCAREOUS CLAYSTONE:med
olv gy,olv gy,it brn gy,med lt gy,it
olv gy,com-abdt calc,loc dol,tr-loc
mnr forams,tr nod pyr & micmic,rr-tr
carb spks,rr glauc,i/p disp,frm,occ
v hd,i/p amor,sbblky,occ ang
frags(dol).

Survey @ 1542.83m: 0.86° 327.87Az

Survey @ 1571.59m: 0.87° 324.35Az

CALCAREOUS CLAYSTONE:lt
gy-lt med gy,com calc,com forams &
micro foss,tr micro pyr & glauc,tr
carb spks,rr hd-brit shell mat,
sft-frm,sbblky-blky.

100 1K 10K

