



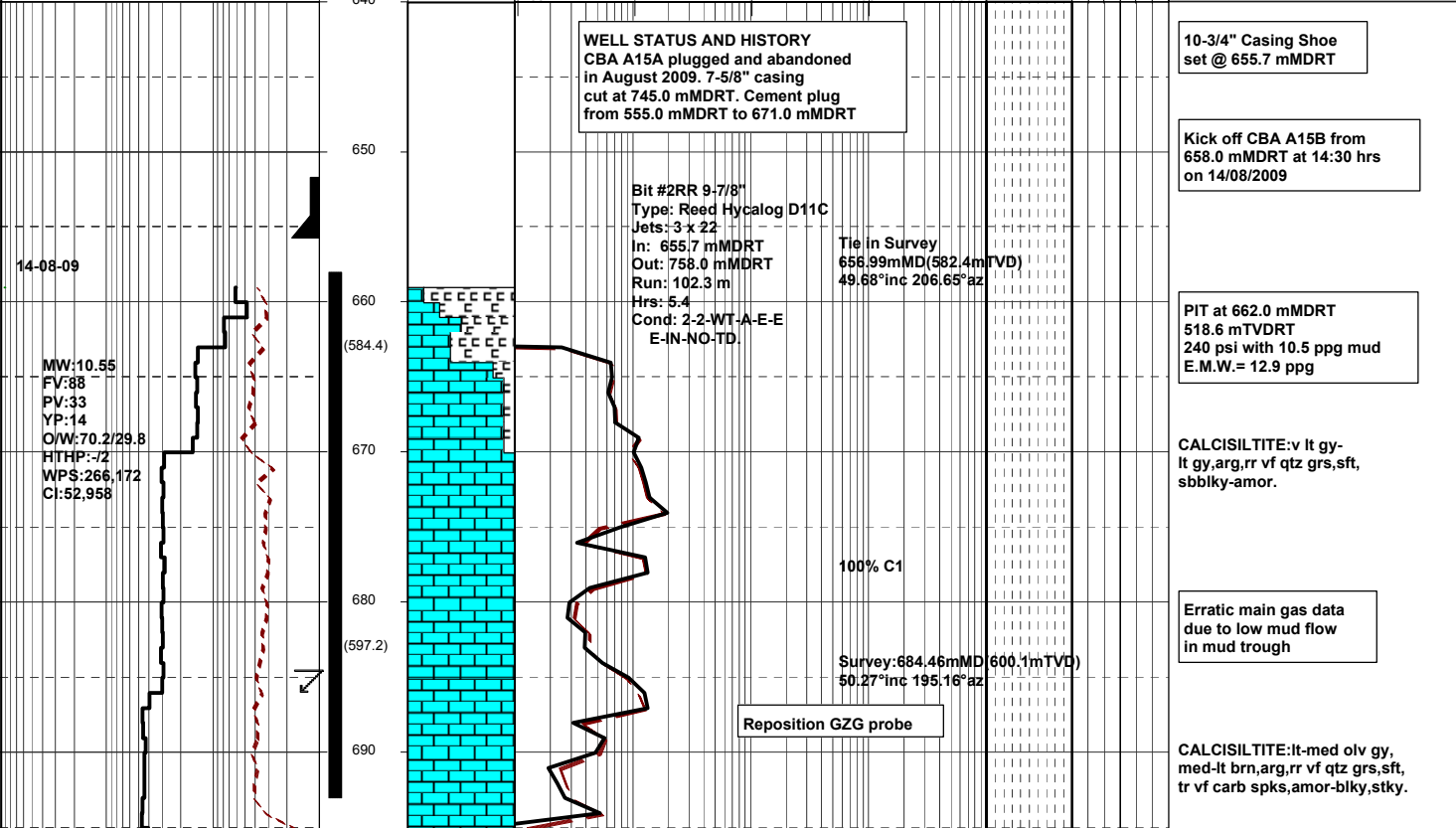
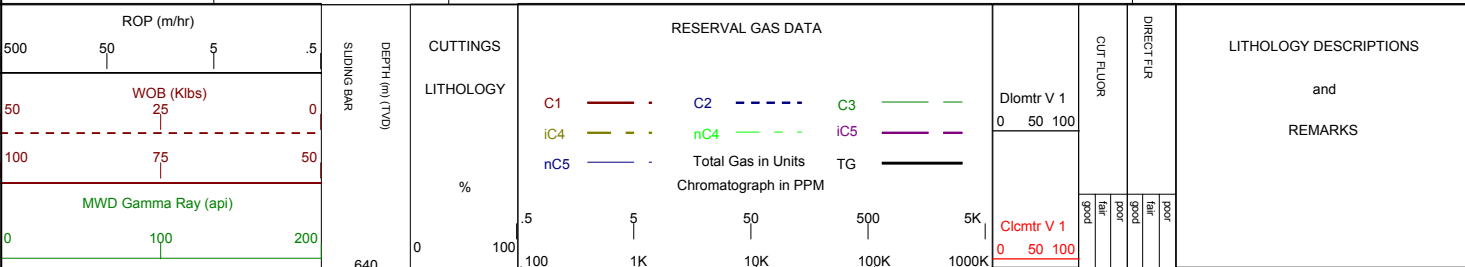
MASTERLOG

CBA A15B



GENERAL	SURFACE POSITION	HOLE / CASING INFO	DATE / DEPTH	ENGINEERS
Country : AUSTRALIA	Longitude : 148°18'32.479" E		Kick off Date: 14/08/2009	Gareth Munro
Permit : VIC / L5	Latitude : 38°26'57.598" S	9-7/8" Hole to 3120.0 mMDRT	Total Depth Date: 22/08/2009	Phil Rady
Field : HALIBUT	MGA Co-ord X : 614226.11 mE		Total Depth: 3120.00 mMDRT	Colin Chadwick
Basin : GIPPSLAND	MGA Co-ord Y : 5743517.20 mN	10-3/4" Surface Csg at 655.7 mMDRT	Log Scale : 1/ 500	Mark Smith
Well Type : DEVELOPMENT	RT to MSL : 40.99 m			Leigh Dowler
Rig Name : Nabors 175	RT to Sea Bed : 120.0 m			Kepa O'Reilly

ABBREVIATIONS		LITHOLOGY LEGEND				ENGINEERING LEGEND	
MW	Mud Weight	WOB	Weight on Bit (klbs)	Claystone	Marl	Bryozoa	Glauconite
FV	Funnel Viscosity	RPM	Rotations Per Min	Siltstone	Limestone	Radiolariae	Pyrite
PV	Plastic Viscosity	FLW	Flow Rate (gpm)	Sandstone	Dolomite	Echinoids	
YP	Yield Point	SPP	Pump Pressure (psi)	Shale	Coal-lignite	Foraminiferae	
O/W	Oil/Water Ratio	RR	Re-Run Bit	Conglomerate	Volcanics	Cement	
WPS	Aq. Phase Salinity	TG	Trip Gas				
HPHT	Fluid Loss	CG	Connection Gas				
Cl	Chlorides	BG	Background Gas				
Incl	Inclination	DGP	Drilled Gas Peak				
Az	Azimuth	MM	Mud Motor				



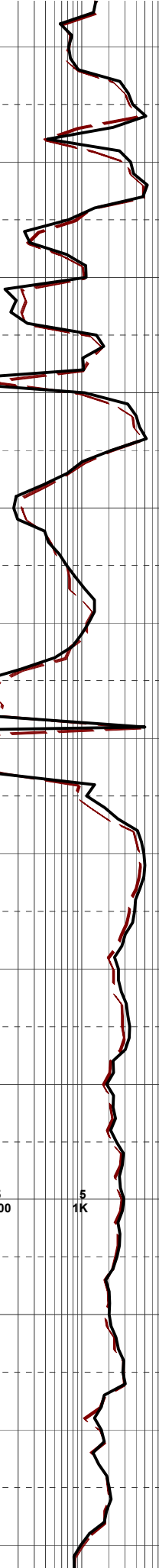
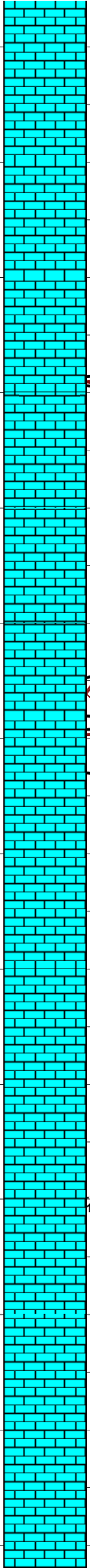
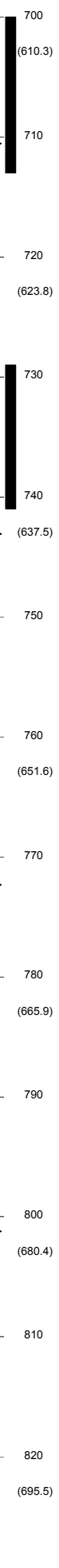
WOB:4-11kbs
RPM:140-180
SPP:1700psi
FLW:500gpm

15-08-09

WOB:4-20kbs
RPM:90-130
SPP:2250psi
FLW:698gpm

MW:10.60
FV:103
PV:39
YP:14
O/W:68.2/31.8
HTHP:-/2
WPS:225,494
CI:46,817

MW:10.60
FV:176
PV:51
YP:27
O/W:68.2/31.8
HTHP:-/2
WPS:225,494
CI:46,817



Reposition GZG probe

Reposition GZG probe

Survey:710.49mMD(617.2mTVD)
47.70°inc 189.94°az

Survey:743.04mMD(639.6mTVD)
45.23°inc 192.85°az

Bit #39-7/8"
Type: Reed Hycalog
RSK616M-A12
Jets: 6 x 1/8"
In: 758.0 mMDRT
Out: 1215.0 mMDRT
Run: 447.0 m
Hrs: 12.2
Cond:0-0-PN-S-X-
In-No-DSF

Survey:772.28mMD(660.3mTVD)
45.03°inc 193.62°az

Survey:801.18mMD(681.2mTVD)
41.92°inc 194.98°az

Survey:830.54mMD(703.5mTVD)
39.47°inc 196.53°az

CALCISILTITE:lt gy-med olv gy,
lt brn gy,arg,tr vf glauc grs,sft,
rr mod hd,amor-blky.

CALCISILTITE:lt gy-med olv
gy,lt brn gy,arg,tr vf glauc grs,
rr pyr nods,sft,rr mod hd,amor-
blky.

Pull out hole to change
BHA at 758.0 mMDRT

CALCILITITE:v lt gy-lt gy,
lt brn gy,abdt vf qtz grs,g/t vf
CLCAR,com liths,sft,sbbkly-
amor.

CALCILITITE:v lt gy-lt gy,
lt brn gy,abdt vf qtz grs,g/t vf
CLCAR,com liths,com foss
frags,com calcite,sft,sbbkly-
amor.

100% C1

100% C1

100% C1

100% C1

500

10

5

5

5

50

500

5K

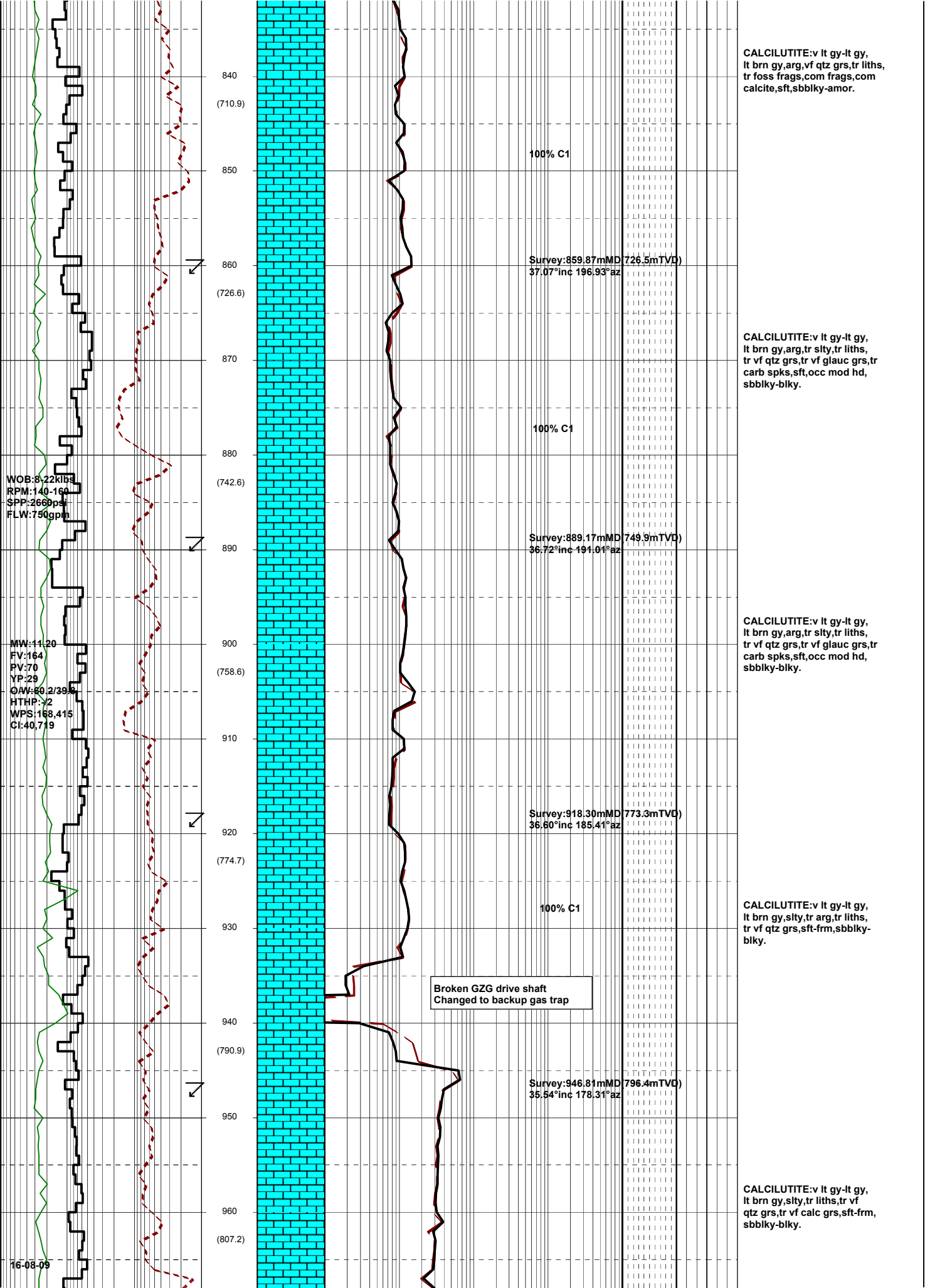
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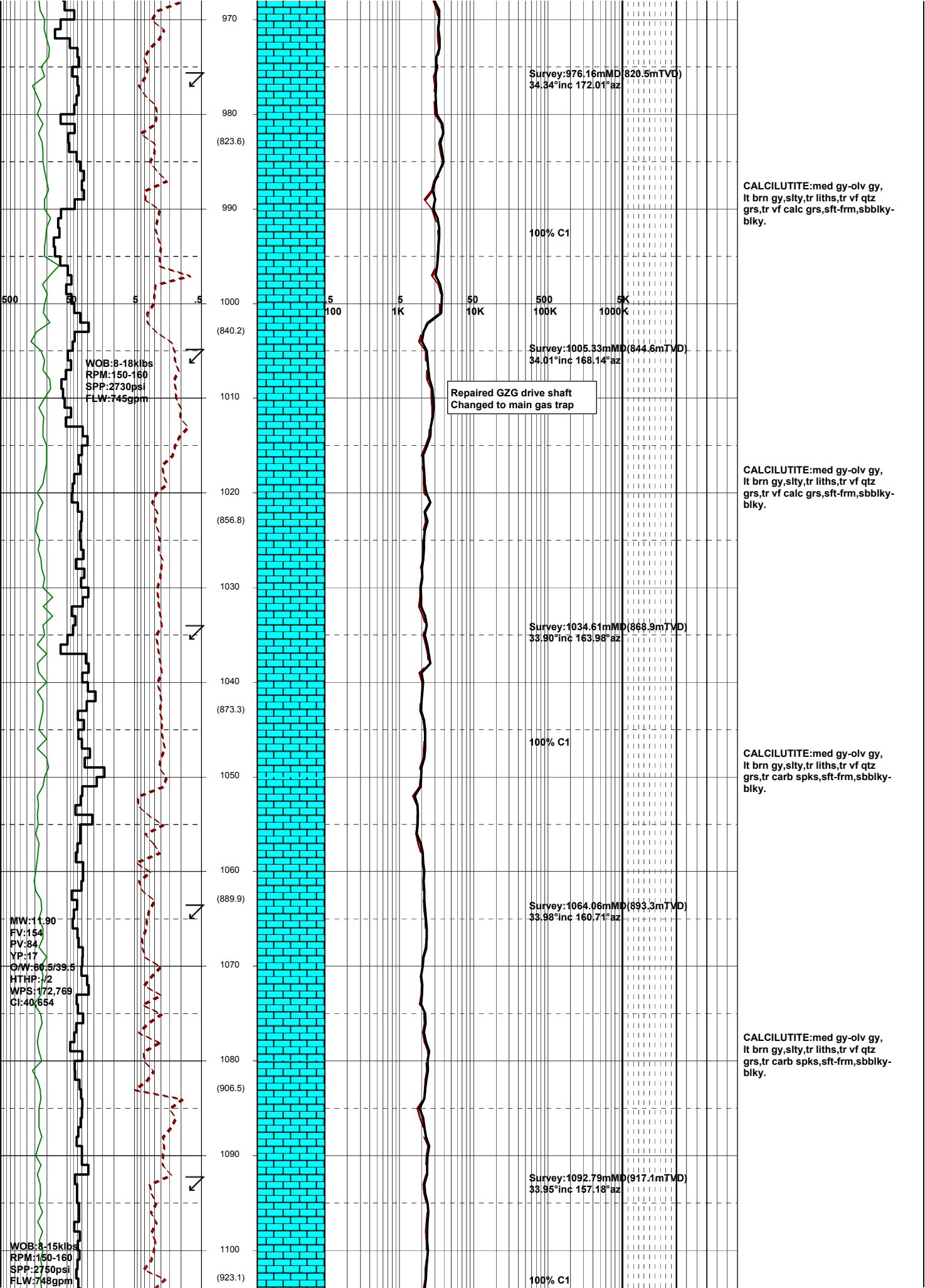
1K

10K

100K

1000K





CALCILUTITE: med gy-olv gy, lt brn gy, slty, tr liths, tr vf qtz grs, tr vf calc grs, sft frm, sbb lky-blky.

CALCILUTITE: med gy-olv gy, lt brn gy, slty, tr liths, tr vf qtz grs, tr vf calc grs, sft frm, sbb lky-blky.

CALCILUTITE: med gy-olv gy, lt brn gy, slty, tr liths, tr vf qtz grs, tr carb spks, sft frm, sbb lky-blky.

CALCILUTITE: med gy-olv gy, lt brn gy, slty, tr liths, tr vf qtz grs, tr carb spks, sft frm, sbb lky-blky.

CALCILUTITE: med gy-olv gy, lt brn gy, slty, tr liths, tr vf qtz grs, tr carb spks, sft frm, sbb lky-blky.

Repaired GZG drive shaft
Changed to main gas trap

WOB: 8-18 klbs
RPM: 150-160
SPP: 2730 psi
FLW: 745 gpm

MW: 11.90
FV: 154
PV: 84
YP: 17
ORV: 80.5/39.5
HTHP: 1/2
WPS: 172,769
CI: 40/654

WOB: 8-15 klbs
RPM: 150-160
SPP: 2750 psi
FLW: 748 gpm

Survey: 976.16m MD (820.5m TVD)
34.34° inc 172.01° az

Survey: 1005.33m MD (844.6m TVD)
34.01° inc 168.14° az

Survey: 1034.61m MD (868.9m TVD)
33.90° inc 163.98° az

Survey: 1064.06m MD (893.3m TVD)
33.98° inc 160.71° az

Survey: 1092.79m MD (917.1m TVD)
33.95° inc 157.18° az

100% C1

100% C1

100% C1

(823.6)

(840.2)

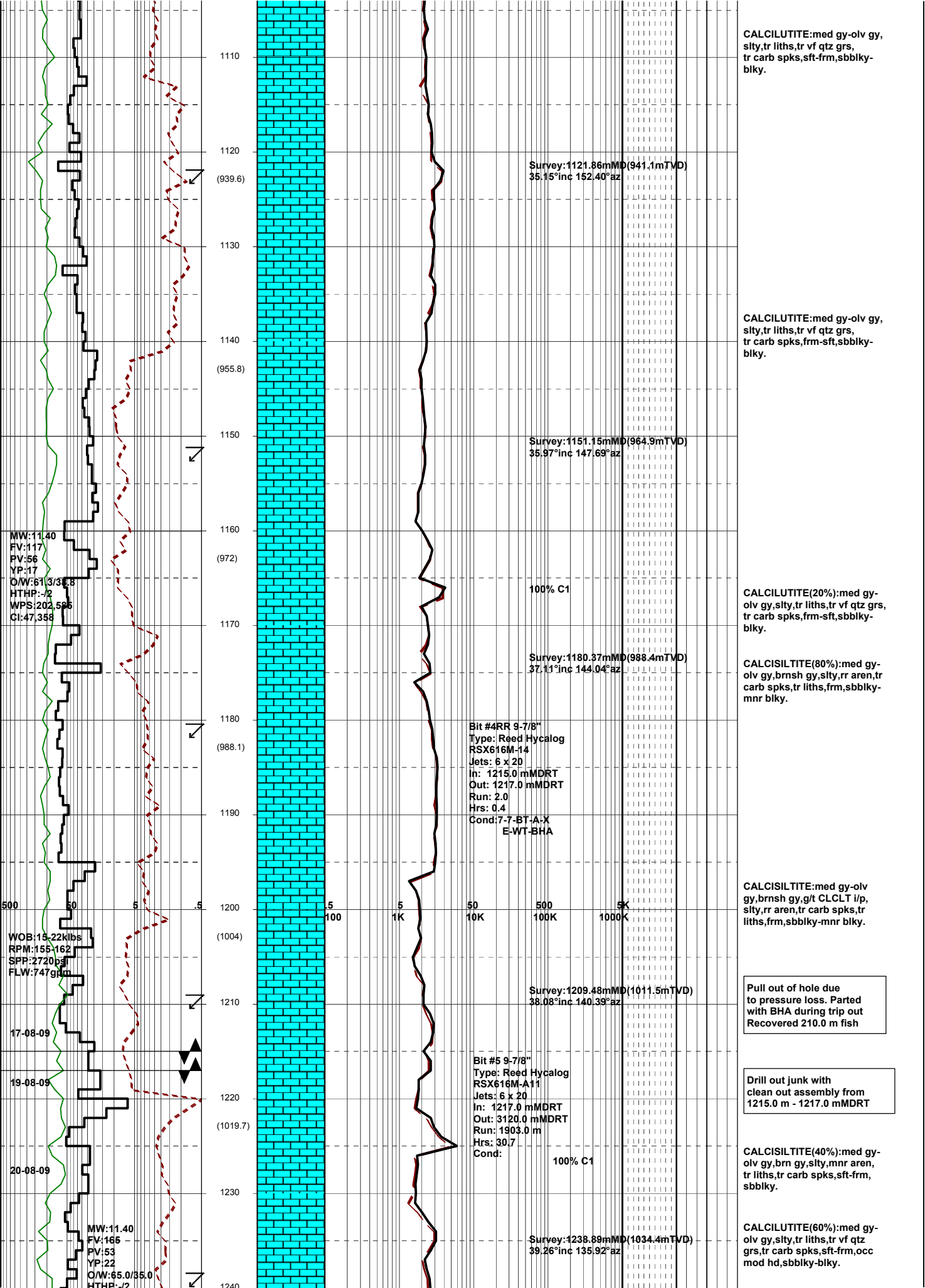
(856.8)

(873.3)

(889.9)

(906.5)

(923.1)



1110
1120
(939.6)
1130
1140
(955.8)
1150
1160
(972)
1170
1180
(988.1)
1190
1200
(1004)
1210
1220
(1019.7)
1230
1240

Survey: 1121.86mMD(941.1mTVD)
35.15°inc 152.40°az

Survey: 1151.15mMD(964.9mTVD)
35.97°inc 147.69°az

Survey: 1180.37mMD(988.4mTVD)
37.11°inc 144.04°az

Bit #4RR 9-7/8"
Type: Reed Hycalog
RSX616M-14
Jets: 6 x 20
In: 1215.0 mMDRT
Out: 1217.0 mMDRT
Run: 2.0
Hrs: 0.4
Cond: 7-7-BT-A-X
E-WT-BHA

Survey: 1209.48mMD(1011.5mTVD)
38.08°inc 140.39°az

Bit #5 9-7/8"
Type: Reed Hycalog
RSX616M-A11
Jets: 6 x 20
In: 1217.0 mMDRT
Out: 1217.0 mMDRT
Run: 1903.0 m
Hrs: 30.7
Cond: 100% C1

Survey: 1238.89mMD(1034.4mTVD)
39.26°inc 135.92°az

MW: 11.40
FV: 117
PV: 56
YP: 17
O/W: 61.3/34.8
HTHR: -1/2
WPS: 202.596
CI: 47.358

WOB: 15.22klbs
RPM: 155-162
SPP: 2720psi
FLW: 747gpm

17-08-09

19-08-09

20-08-09

MW: 11.40
FV: 165
PV: 53
YP: 22
O/W: 65.0/35.0
HTHR: -1/2

CALCILUTITE: med gy-olv gy, slty, tr liths, tr vf qtz grs, tr carb spks, sft frm, sbbiky-blky.

CALCILUTITE: med gy-olv gy, slty, tr liths, tr vf qtz grs, tr carb spks, frm-sft, sbbiky-blky.

CALCILUTITE(20%): med gy-olv gy, slty, tr liths, tr vf qtz grs, tr carb spks, frm-sft, sbbiky-blky.

CALCISILTITE(80%): med gy-olv gy, brnsh gy, slty, tr aren, tr carb spks, tr liths, frm, sbbiky-mnr blky.

CALCISILTITE: med gy-olv gy, brnsh gy, g/t CLCLT l/p, slty, rr aren, tr carb spks, tr liths, frm, sbbiky-mnr blky.

Pull out of hole due to pressure loss. Parted with BHA during trip out Recovered 210.0 m fish

Drill out junk with clean out assembly from 1215.0 m - 1217.0 mMDRT

CALCISILTITE(40%): med gy-olv gy, brn gy, slty, mnr aren, tr liths, tr carb spks, sft frm, sbbiky.

CALCILUTITE(60%): med gy-olv gy, slty, tr liths, tr vf qtz grs, tr carb spks, sft frm, occ mod hd, sbbiky-blky.

500

50

5

.5

5

5

50

500

5K

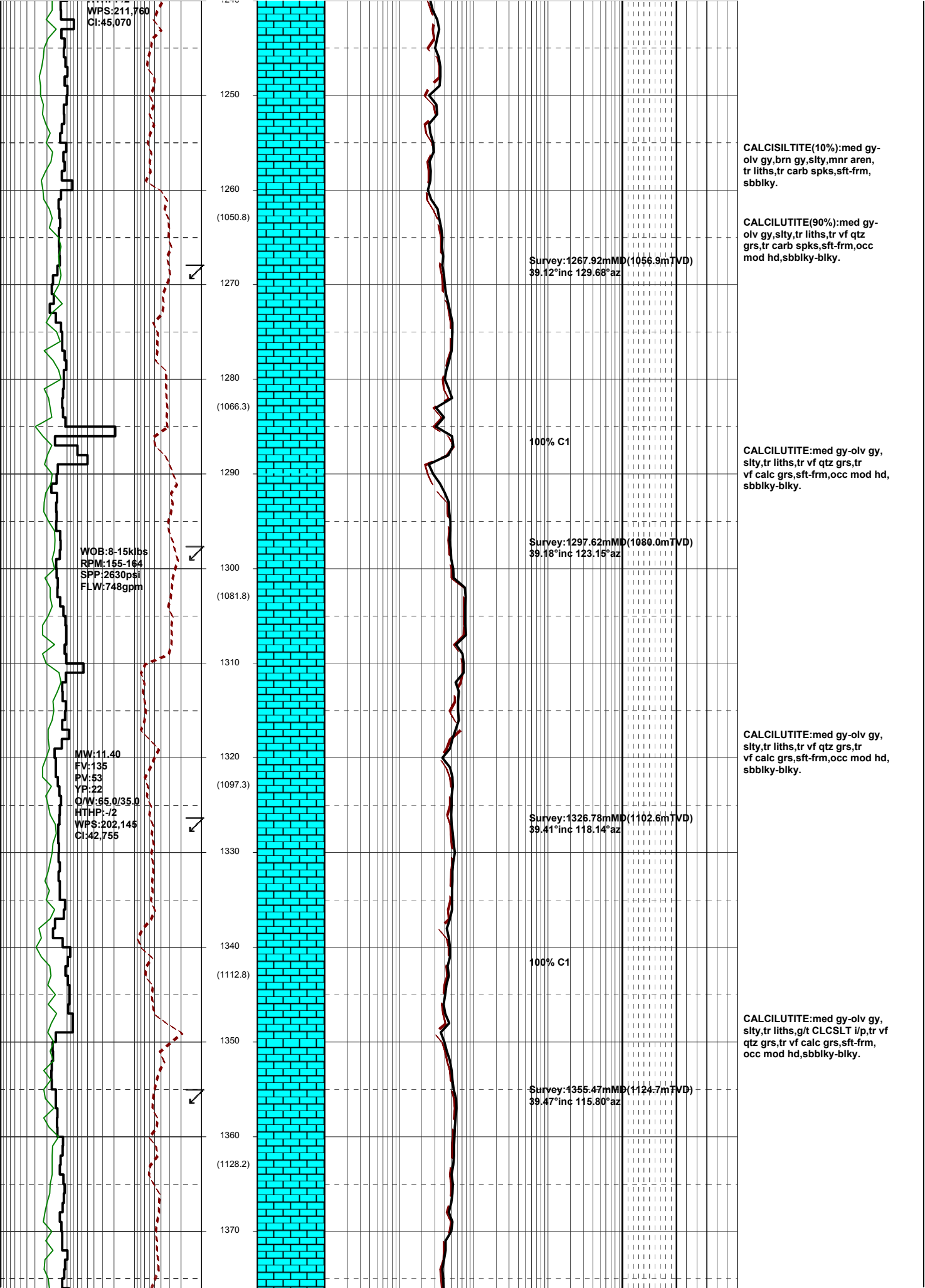
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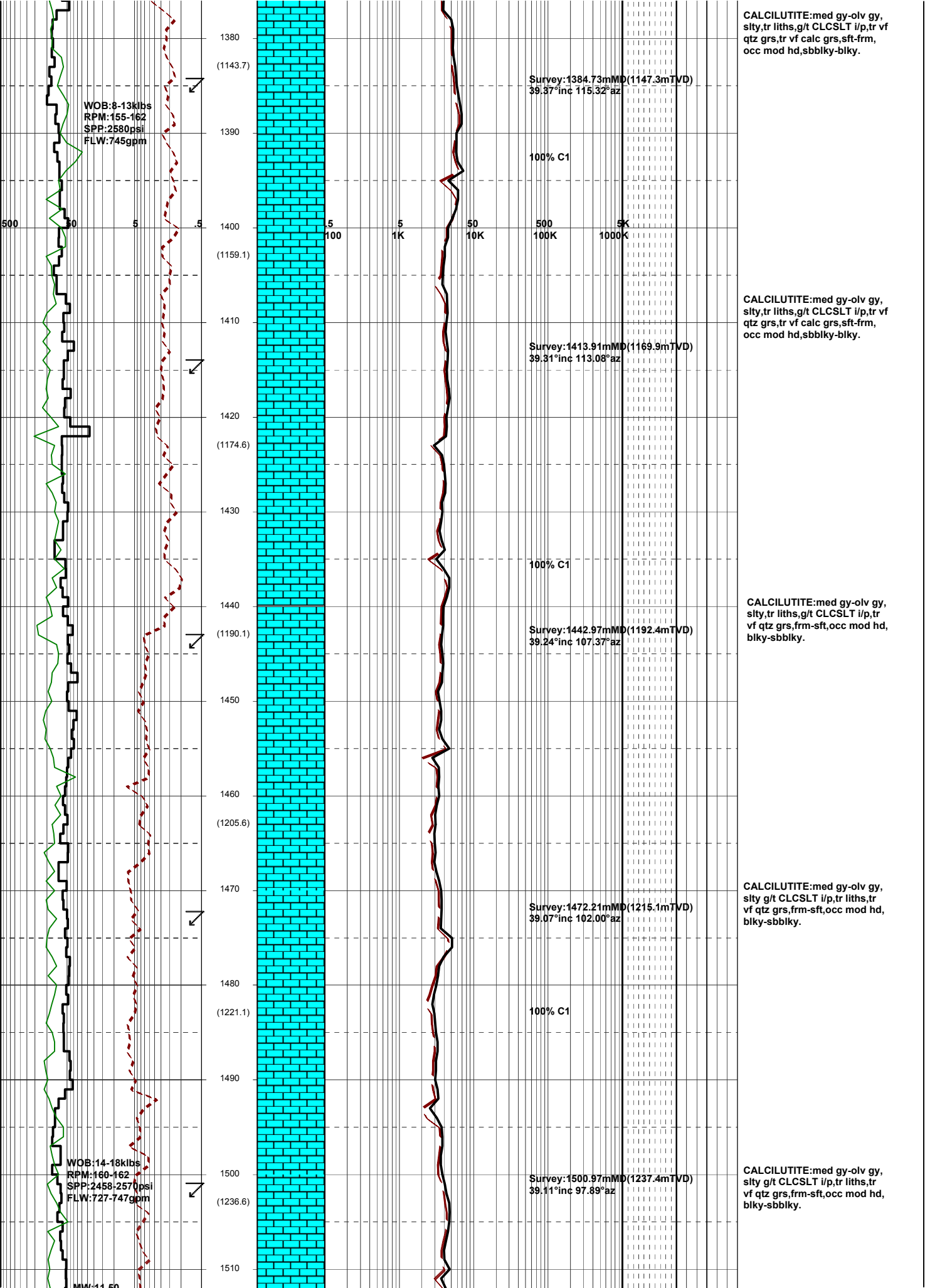
1K

10K

100K

1000K





CALCILUTITE: med gy-olv gy, slty, tr liths, g/t CLCSLT i/p, tr vf qtz grs, tr vf calc grs, sft frm, occ mod hd, sbbiky-blky.

CALCILUTITE: med gy-olv gy, slty, tr liths, g/t CLCSLT i/p, tr vf qtz grs, tr vf calc grs, sft frm, occ mod hd, sbbiky-blky.

CALCILUTITE: med gy-olv gy, slty, tr liths, g/t CLCSLT i/p, tr vf qtz grs, frm-sft, occ mod hd, blkly-sbbiky.

CALCILUTITE: med gy-olv gy, slty g/t CLCSLT i/p, tr liths, tr vf qtz grs, frm-sft, occ mod hd, blkly-sbbiky.

CALCILUTITE: med gy-olv gy, slty g/t CLCSLT i/p, tr liths, tr vf qtz grs, frm-sft, occ mod hd, blkly-sbbiky.

WOB: 8-13klbs
RPM: 155-162
SPP: 2580psi
FLW: 745gpm

WOB: 14-18klbs
RPM: 160-162
SPP: 2458-2570psi
FLW: 727-747gpm

Survey: 1384.73mMD (1147.3mTVD)
39.37° inc 115.32° az

Survey: 1413.91mMD (1169.9mTVD)
39.31° inc 113.08° az

Survey: 1442.97mMD (1192.4mTVD)
39.24° inc 107.37° az

Survey: 1472.21mMD (1215.1mTVD)
39.07° inc 102.00° az

Survey: 1500.97mMD (1237.4mTVD)
39.11° inc 97.89° az

100% C1

100% C1

100% C1

1380 (1143.7)
1390
1400 (1159.1)
1410
1420 (1174.6)
1430
1440 (1190.1)
1450
1460 (1205.6)
1470
1480 (1221.1)
1490
1500 (1236.6)
1510

500
100
5
100K

5

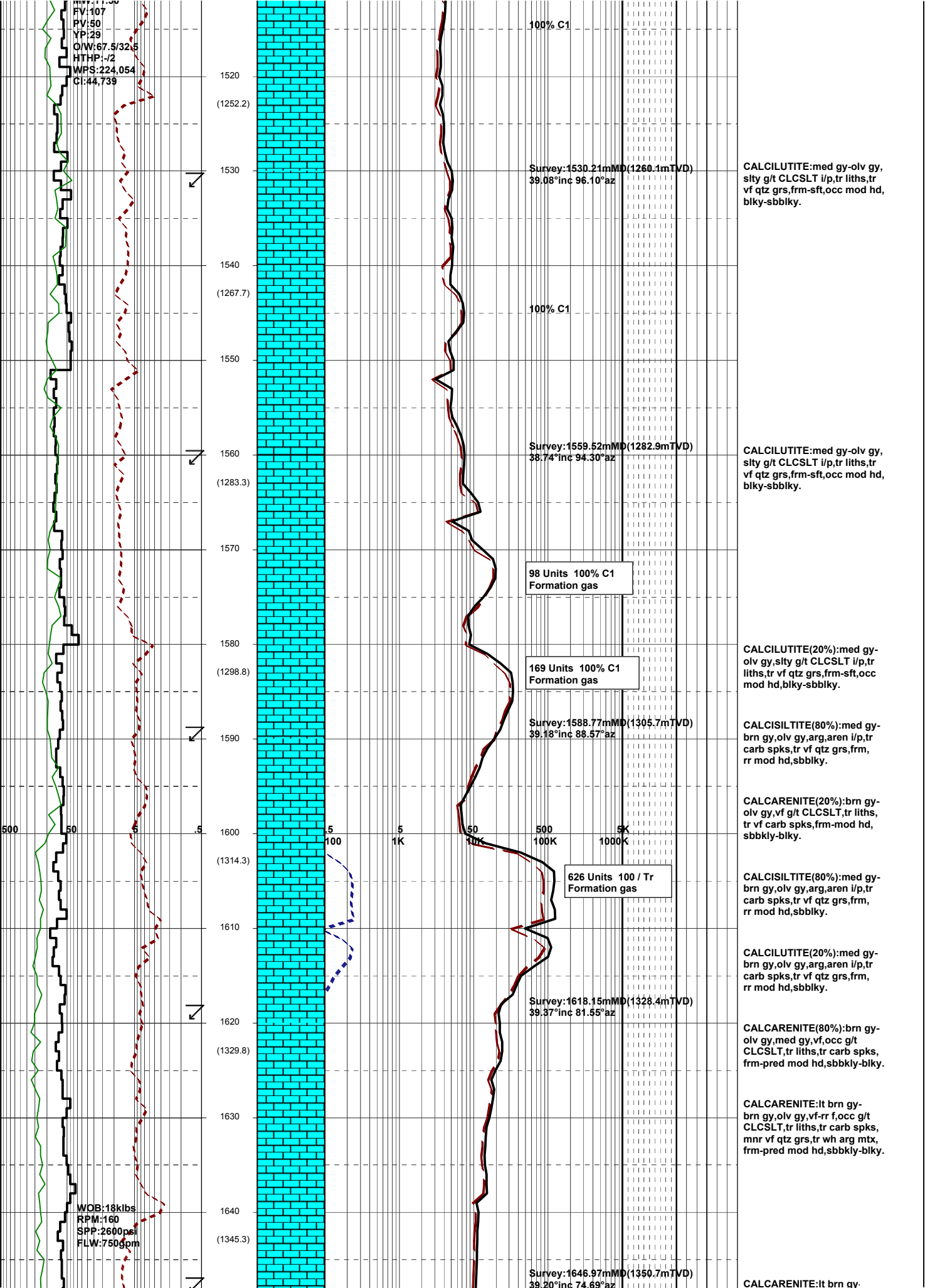
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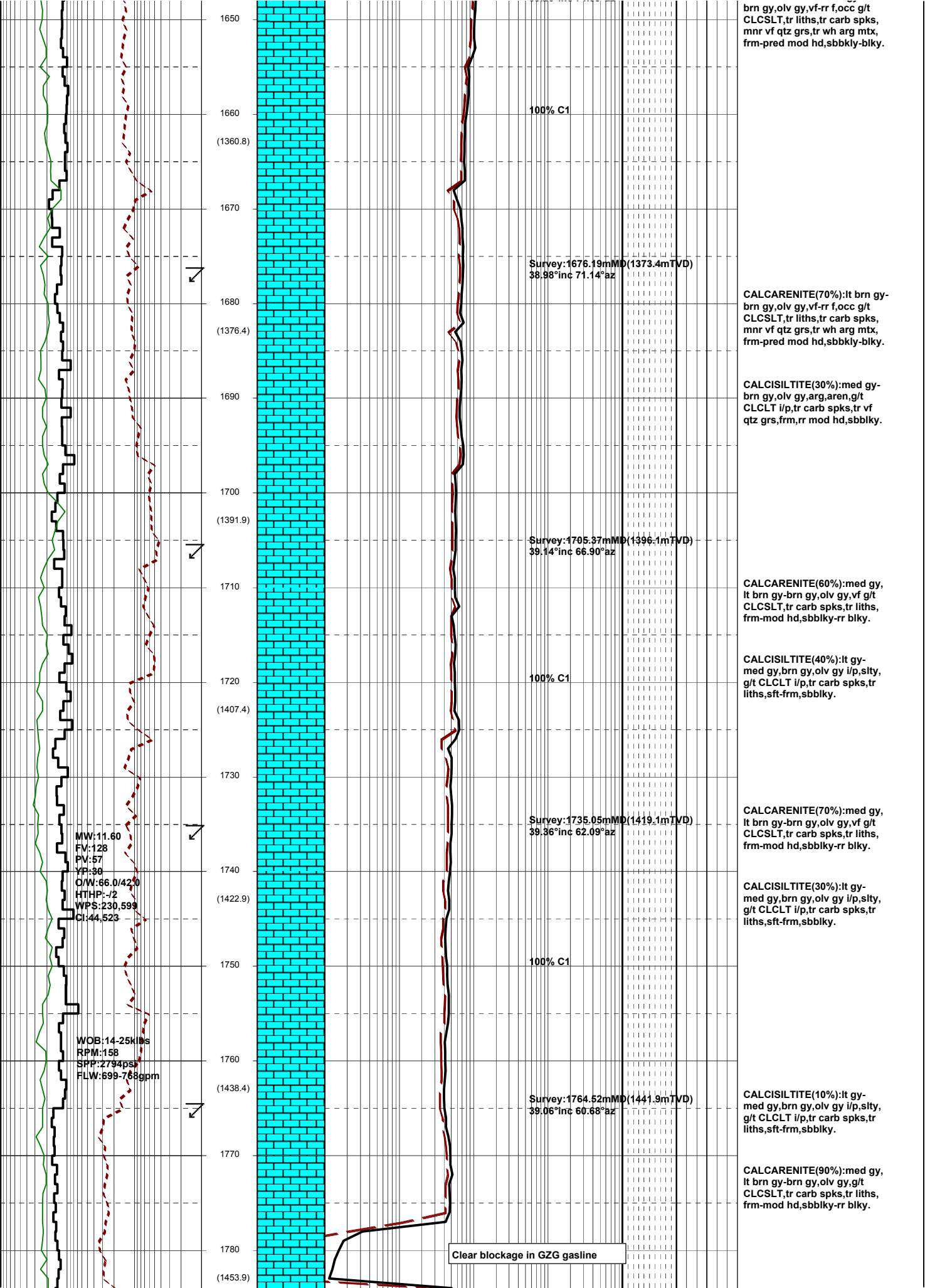
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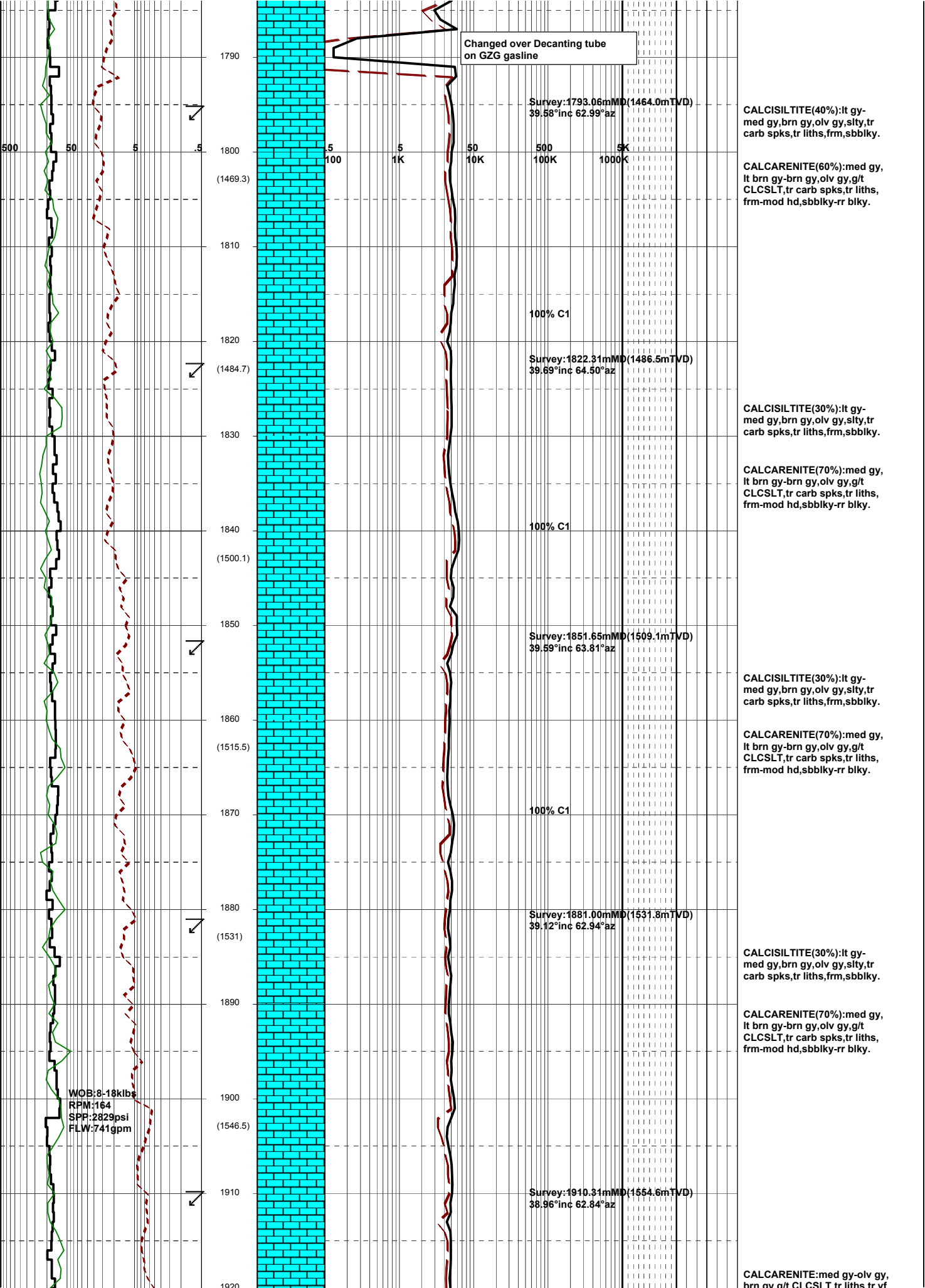
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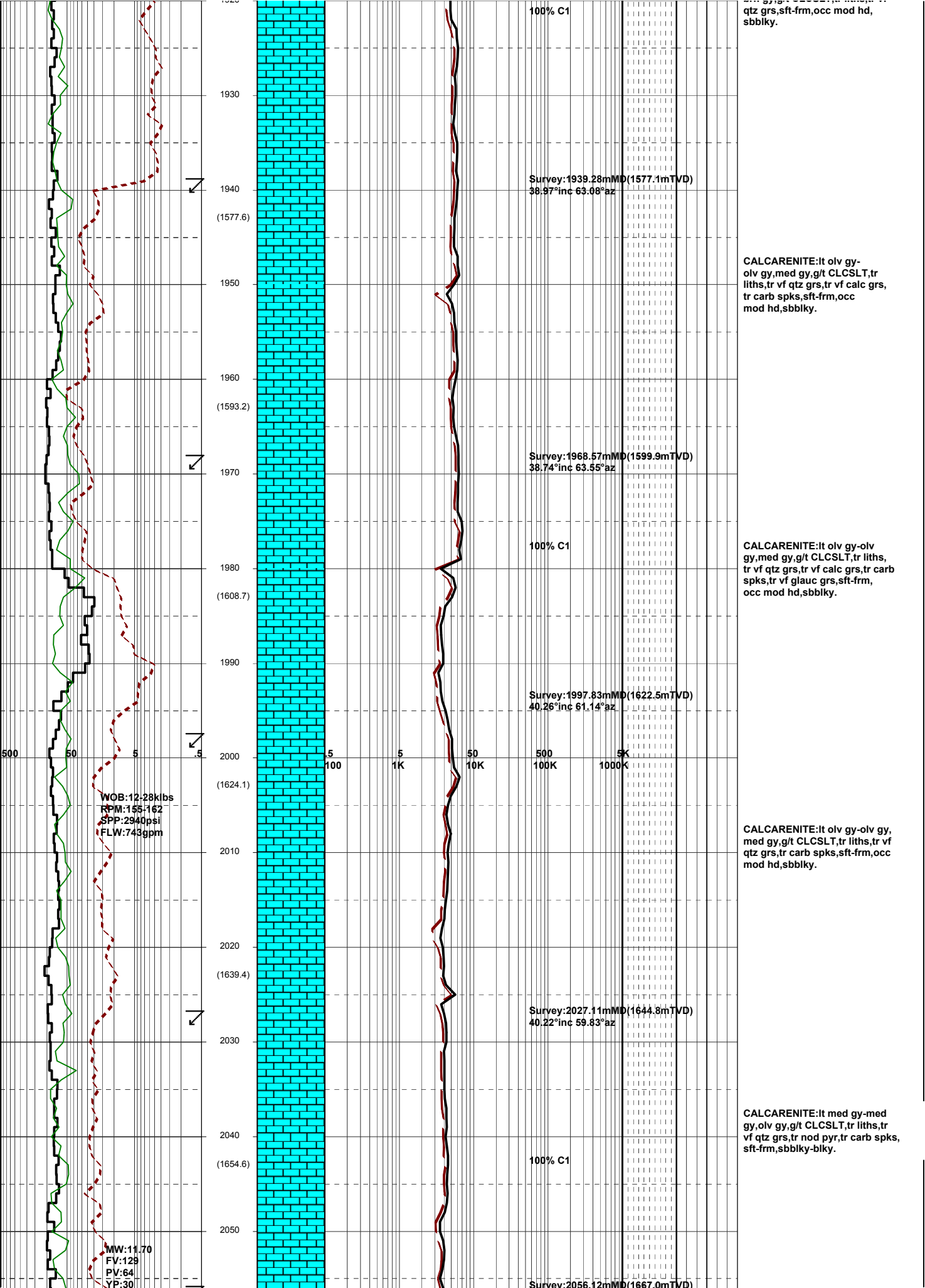
5K

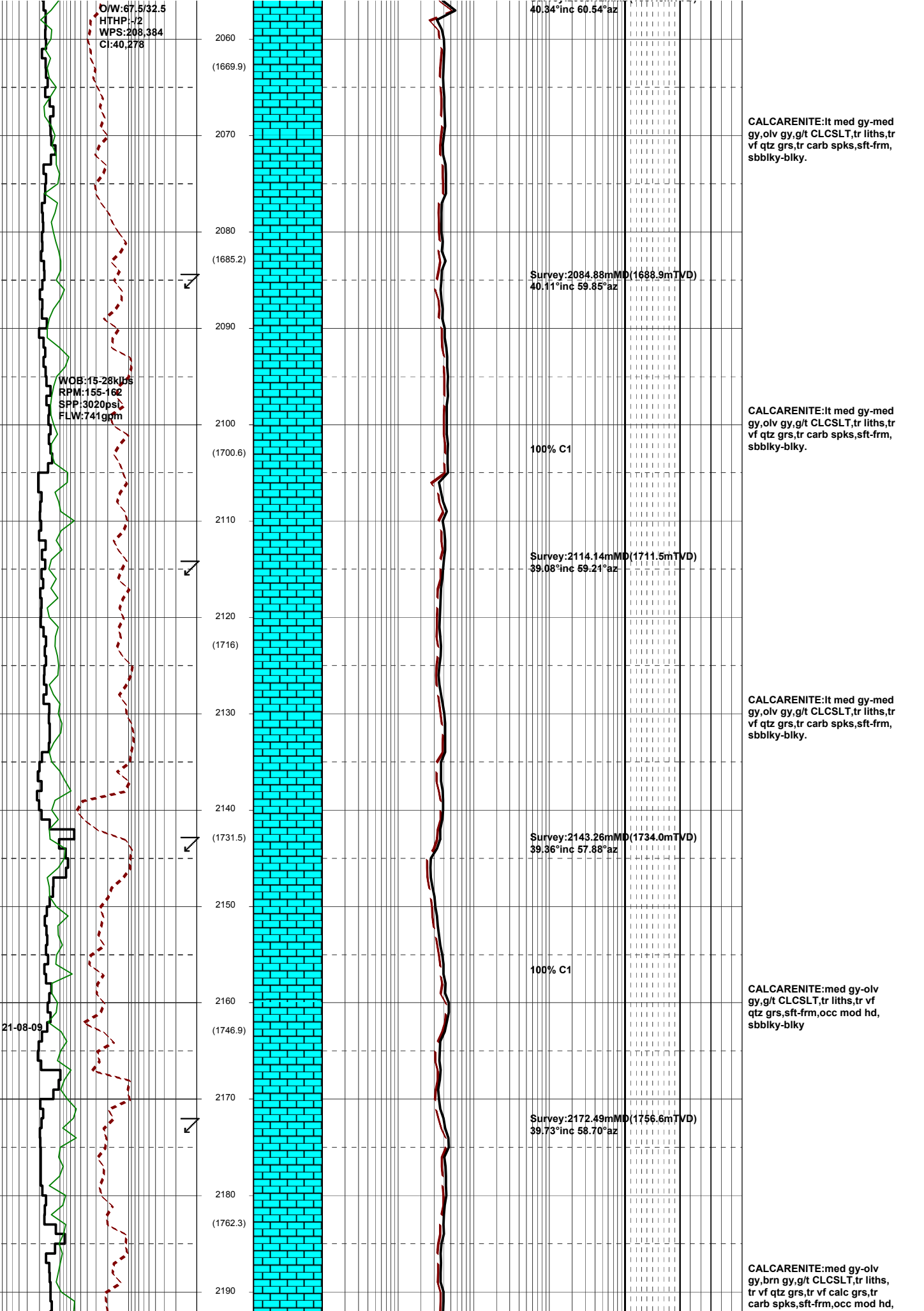
MW: 11.50

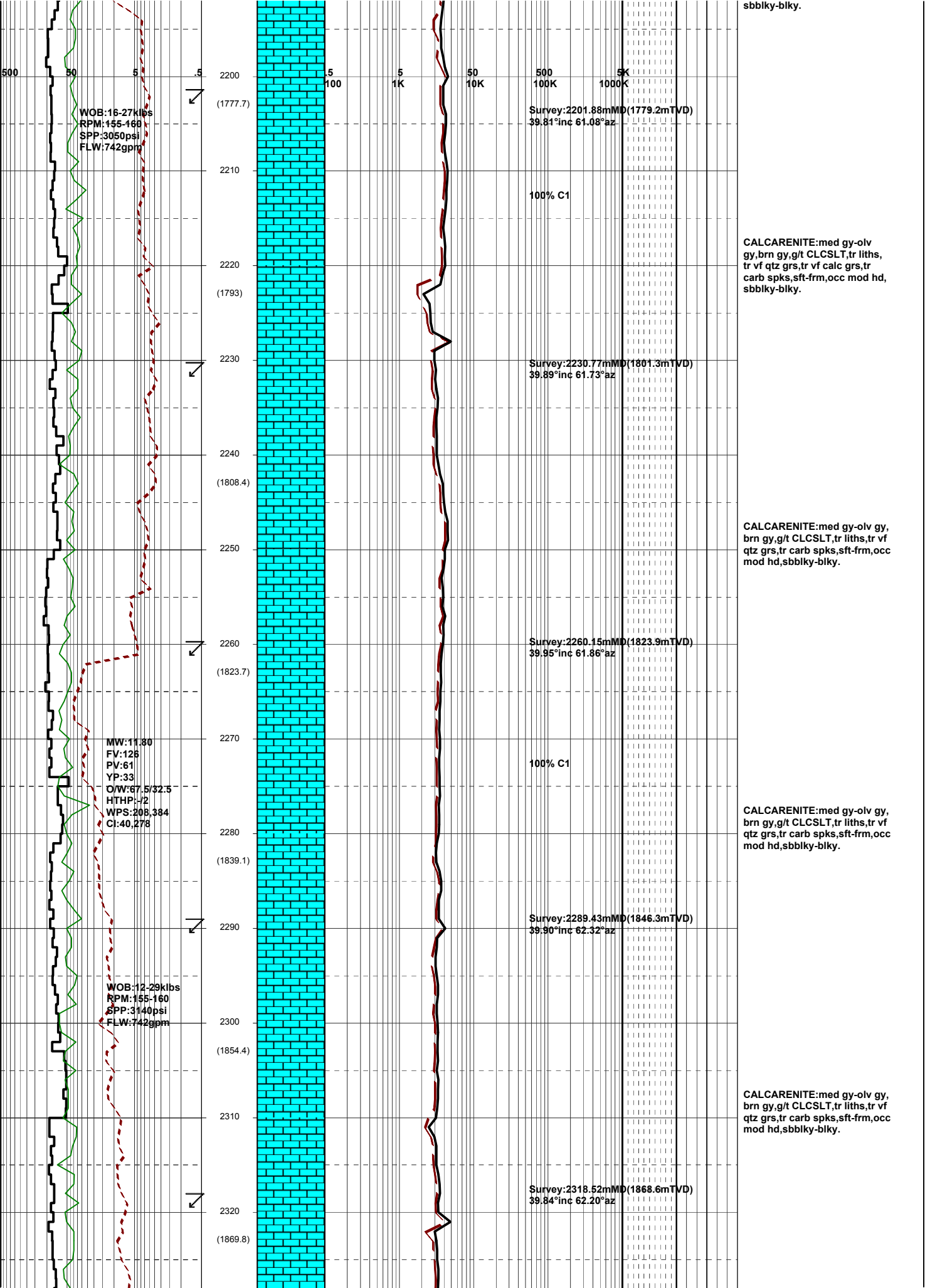


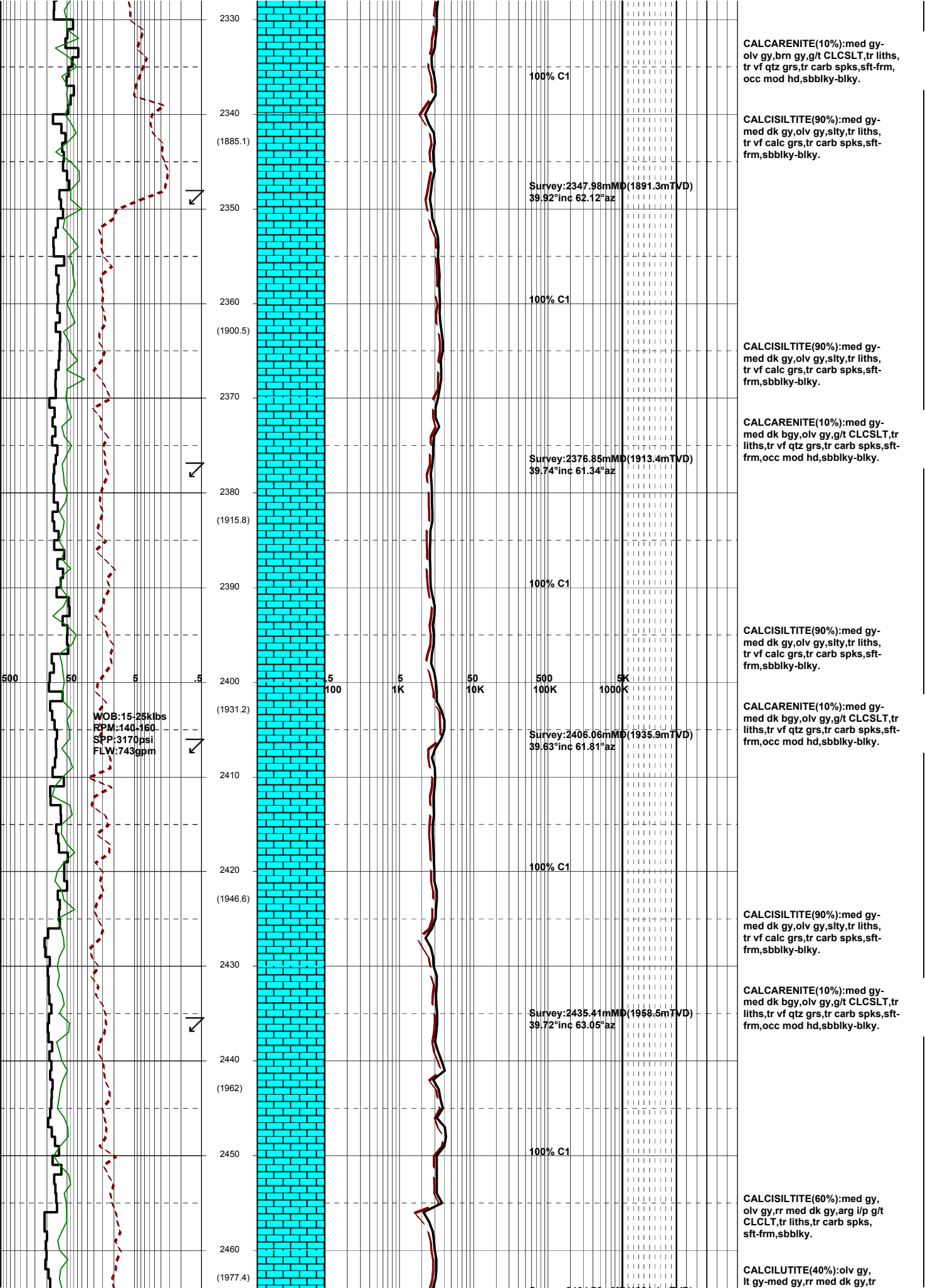


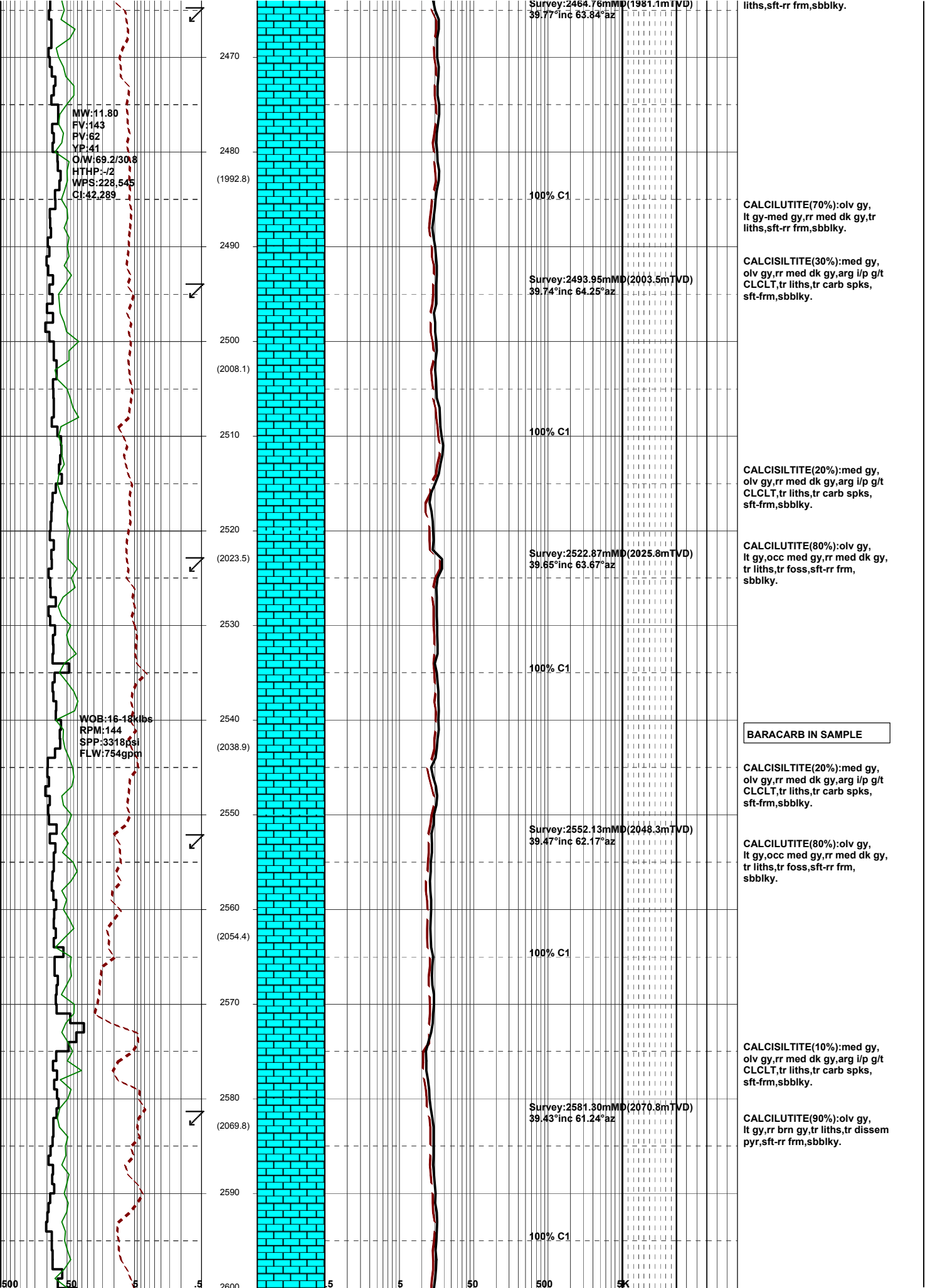












MW: 11.80
 FW: 143
 PV: 62
 YP: 41
 O/W: 69.2/30.8
 HTHP: .12
 WPS: 228,545
 CI: 42,289

WOB: 16.12 kbps
 RPM: 144
 SPP: 3318 psi
 FLW: 754 gpm

100% C1

Survey: 2493.95mMD(2003.5mTVD)
 39.74°inc 64.25°az

100% C1

Survey: 2522.87mMD(2025.8mTVD)
 39.65°inc 63.67°az

100% C1

BARACARB IN SAMPLE

Survey: 2552.13mMD(2048.3mTVD)
 39.47°inc 62.17°az

100% C1

Survey: 2581.30mMD(2070.8mTVD)
 39.43°inc 61.24°az

100% C1

CALCILUTITE(70%): olv gy, lt gy, rr med dk gy, tr liths, sft-rr frm, sbbiky.

CALCISILTITE(30%): med gy, olv gy, rr med dk gy, arg i/p g/t CLCLT, tr liths, tr carb spks, sft-frm, sbbiky.

CALCISILTITE(20%): med gy, olv gy, rr med dk gy, arg i/p g/t CLCLT, tr liths, tr carb spks, sft-frm, sbbiky.

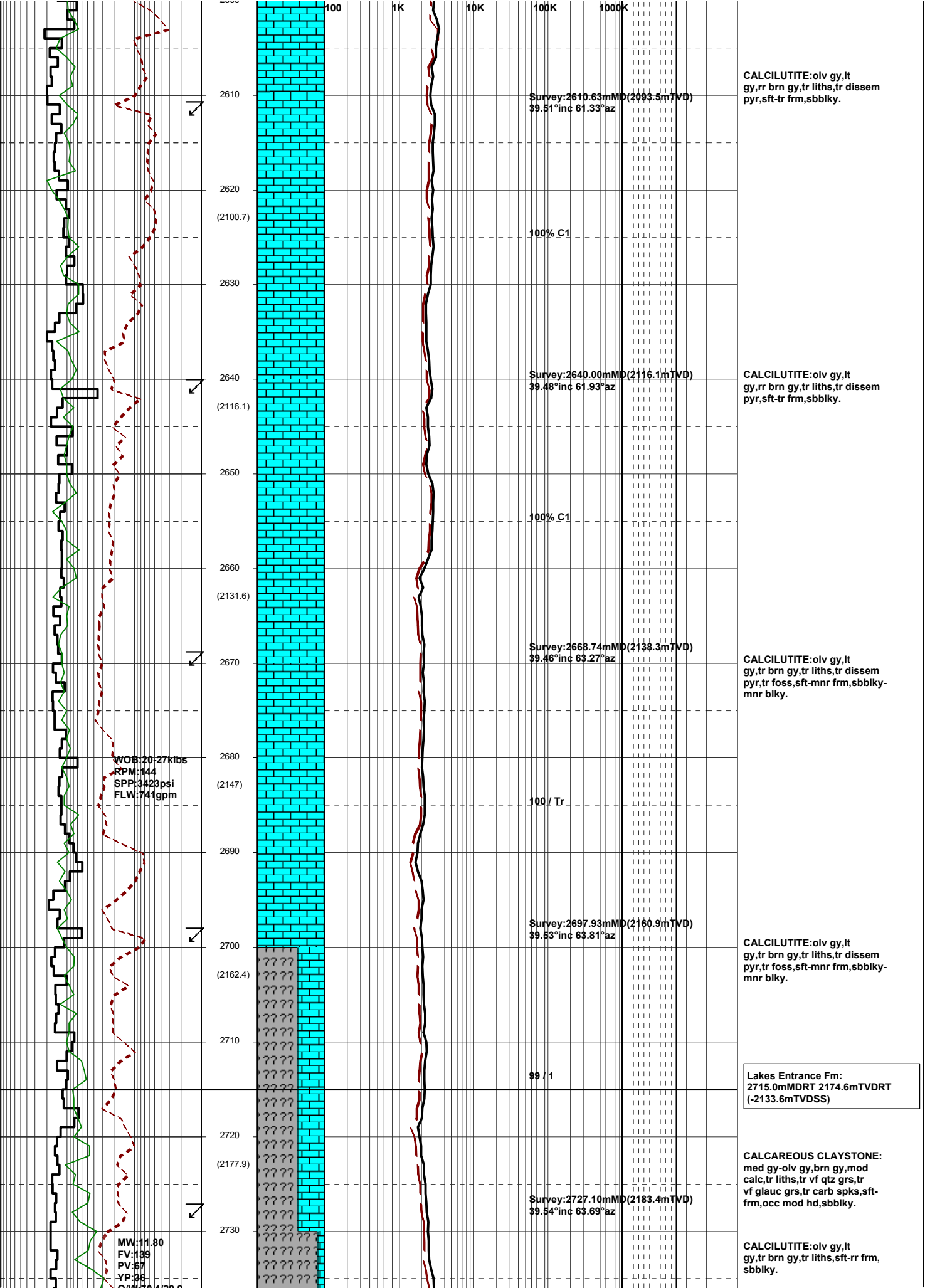
CALCILUTITE(80%): olv gy, lt gy, occ med gy, rr med dk gy, tr liths, tr foss, sft-rr frm, sbbiky.

CALCISILTITE(20%): med gy, olv gy, rr med dk gy, arg i/p g/t CLCLT, tr liths, tr carb spks, sft-frm, sbbiky.

CALCILUTITE(80%): olv gy, lt gy, occ med gy, rr med dk gy, tr liths, tr foss, sft-rr frm, sbbiky.

CALCISILTITE(10%): med gy, olv gy, rr med dk gy, arg i/p g/t CLCLT, tr liths, tr carb spks, sft-frm, sbbiky.

CALCILUTITE(90%): olv gy, lt gy, rr brn gy, tr liths, tr dissem pyr, sft-rr frm, sbbiky.



WOB: 10-125kbs
HTHP: -/2
WPS: 236,135
CI: 42,133

2740
(2193.3)
2750
2760
(2208.7)
2770
2780
(2224.2)
2790
2800
(2239.6)
2810
2820
(2255.1)
2830
2840
(2270.5)
2850
2860
(2285.9)
2870

99 / 1
Survey: 2756.40mMD (2206.0mTVD)
39.41°inc 64.28°az
99 / 1
Survey: 2785.88mMD (2228.7mTVD)
39.58°inc 63.76°az
99 / 1
Survey: 2814.78mMD (2251.0mTVD)
39.30°inc 63.15°az
98 / 2
Survey: 2843.97mMD (2273.6mTVD)
39.53°inc 64.09°az
98 / 2

CALCAREOUS CLAYSTONE:
med gy-olv gy, brn gy, mod
calc, tr liths, tr vf qtz grs, tr
vf glauc grs, tr carb spks, sft-
frm, occ mod hd, sbbkly.

CALCILUTITE: olv gy, lt
gy, tr brn gy, tr liths, sft-rr frm,
sbbkly.

CALCAREOUS CLAYSTONE:
med gy-olv gy, brn gy, mod
calc, tr liths, tr vf qtz grs, tr
vf glauc grs, tr carb spks, sft-
frm, occ mod hd, sbbkly.

CALCAREOUS CLAYSTONE:
med gy-olv gy, brn gy, mod
calc, tr liths, tr vf qtz grs, tr
vf glauc grs, tr carb spks, sft-
frm, occ mod hd, sbbkly.

CALCAREOUS CLAYSTONE:
olv gy-med gy, med dk gy,
mod calc, tr liths, tr dissem
pyr, sft-rr frm, sbbkly.

CALCAREOUS CLAYSTONE:
olv gy, med gy-med dk gy,
mod calc, tr liths, tr carb spks,
tr dissem pyr, sft-rr frm, sbbkly.

WOB: 5-15kbs
RPM: 140
SPP: 3450psi
FLW: 740gpm

WOB: 15-25kbs
RPM: 160
SPP: 3470psi
FLW: 740gpm

500

50

5

.5

5

5

50

500

5K

100

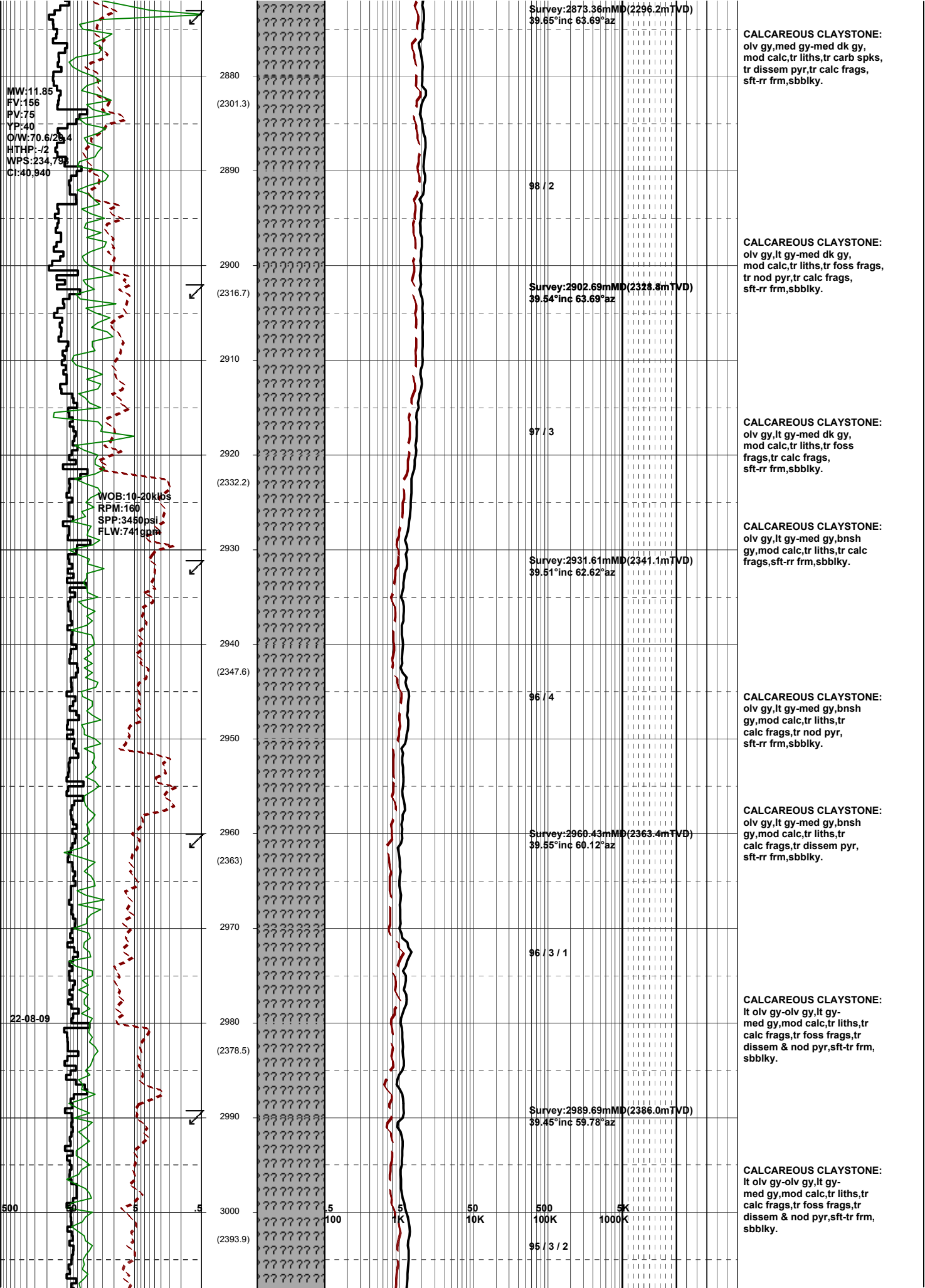
1K

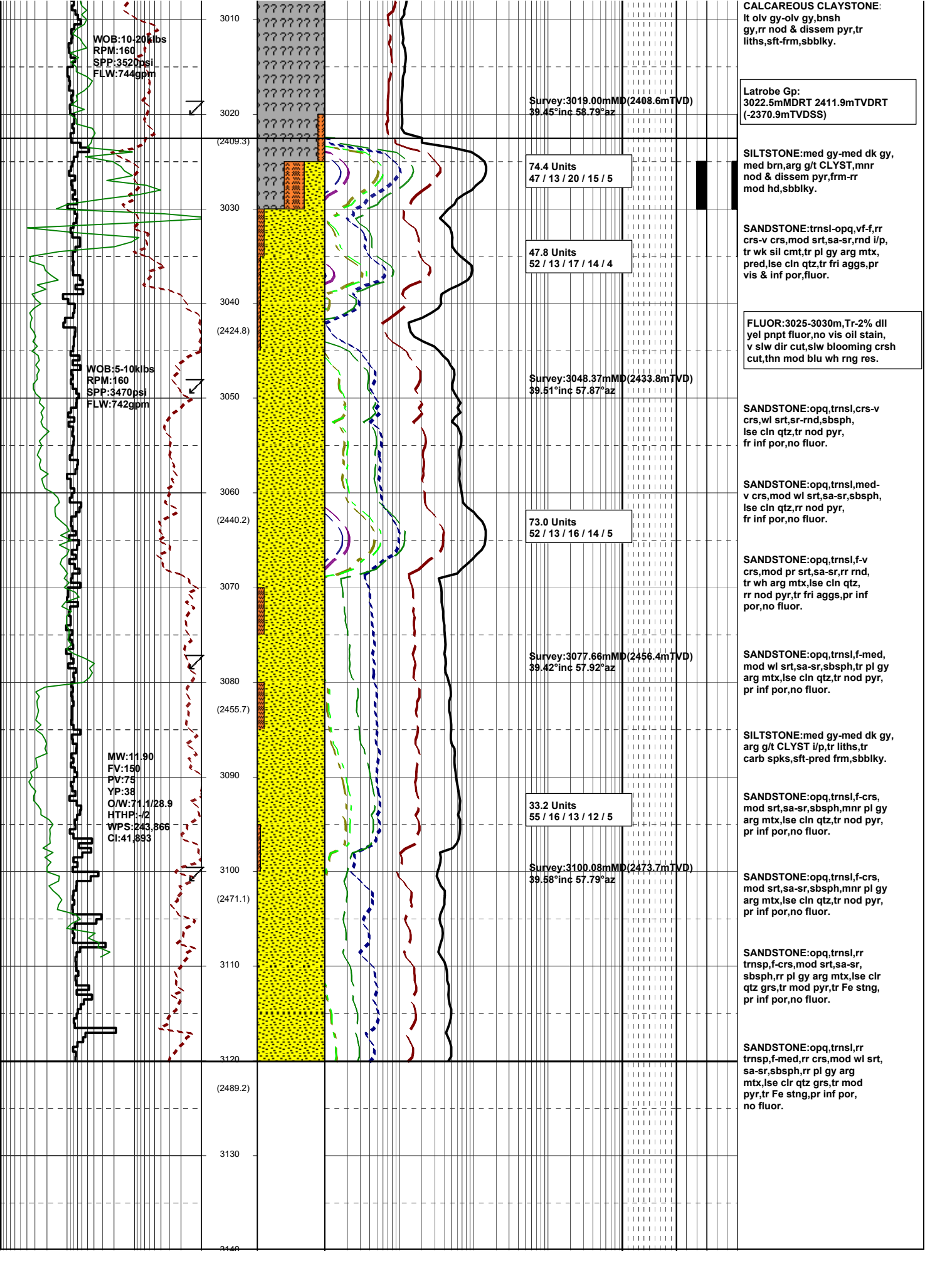
10K

100K

1000K







WOB:10-20klbs
RPM:160
SPP:3520psi
FLW:744gpm

WOB:5-10klbs
RPM:160
SPP:3470psi
FLW:742gpm

MW:11.90
FV:150
PV:75
YP:38
C/W:71.1/28.9
HTHP:-1/2
WPS:243,866
CI:41,893

3010
3020
(2409.3)
3030
3040
(2424.8)
3050
3060
(2440.2)
3070
3080
(2455.7)
3090
3100
(2471.1)
3110
3120
(2489.2)
3130
3140

Survey:3019.00mMD(2408.6mTVD)
39.45°inc 58.79°az

74.4 Units
47 / 13 / 20 / 15 / 5

47.8 Units
52 / 13 / 17 / 14 / 4

Survey:3048.37mMD(2433.8mTVD)
39.51°inc 57.87°az

73.0 Units
52 / 13 / 16 / 14 / 5

Survey:3077.66mMD(2456.4mTVD)
39.42°inc 57.92°az

33.2 Units
55 / 16 / 13 / 12 / 5

Survey:3100.08mMD(2473.7mTVD)
39.58°inc 57.79°az

CALCAREOUS CLAYSTONE:
lt olv gy-olv gy, bnsh
gy, rr nod & dissem pyr, tr
liths, sft frm, sbbkly.

Latrobe Gp:
3022.5mMDRT 2411.9mTVDRT
(-2370.9mTVDSS)

SILTSTONE: med gy-med dk gy,
med brn, arg g/t CLYST, mnr
nod & dissem pyr, frm-rr
mod hd, sbbkly.

SANDSTONE: trnsi-opq, vf-f, rr
crs-v crs, mod srt, sa-sr, rnd i/p,
tr wk sil cmt, tr pl gy arg mtx,
pred, lse cln qtz, tr fri aggs, pr
vis & inf por, fluor.

FLUOR: 3025-3030m, Tr-2% dil
yel pnpt fluor, no vis oil stain,
v slw dir cut, slw blooming crsh
cut, thn mod blu wh rng res.

SANDSTONE: opq, trnsi, crs-v
crs, wl srt, sr-md, sbsph,
lse cln qtz, rr nod pyr,
fr inf por, no fluor.

SANDSTONE: opq, trnsi, med-
v crs, mod wl srt, sa-sr, sbsph,
lse cln qtz, rr nod pyr,
fr inf por, no fluor.

SANDSTONE: opq, trnsi, f-v
crs, mod pr srt, sa-sr, rr rnd,
tr wh arg mtx, lse cln qtz,
rr nod pyr, tr fri aggs, pr inf
por, no fluor.

SANDSTONE: opq, trnsi, f-med,
mod wl srt, sa-sr, sbsph, tr pl gy
arg mtx, lse cln qtz, rr nod pyr,
pr inf por, no fluor.

SILTSTONE: med gy-med dk gy,
arg g/t CLYST i/p, tr liths, tr
carb spks, sft-pred frm, sbbkly.

SANDSTONE: opq, trnsi, f-crs,
mod srt, sa-sr, sbsph, mnr pl gy
arg mtx, lse cln qtz, rr nod pyr,
pr inf por, no fluor.

SANDSTONE: opq, trnsi, f-crs,
mod srt, sa-sr, sbsph, mnr pl gy
arg mtx, lse cln qtz, rr nod pyr,
pr inf por, no fluor.

SANDSTONE: opq, trnsi, rr
trnsi, f-crs, mod srt, sa-sr,
sbsph, rr pl gy arg mtx, lse cl
qtz grs, tr mod pyr, tr Fe stng,
pr inf por, no fluor.

SANDSTONE: opq, trnsi, rr
trnsi, f-med, rr crs, mod wl srt,
sa-sr, sbsph, rr pl gy arg
mtx, lse cl qtz grs, tr mod
pyr, tr Fe stng, pr inf por,
no fluor.