



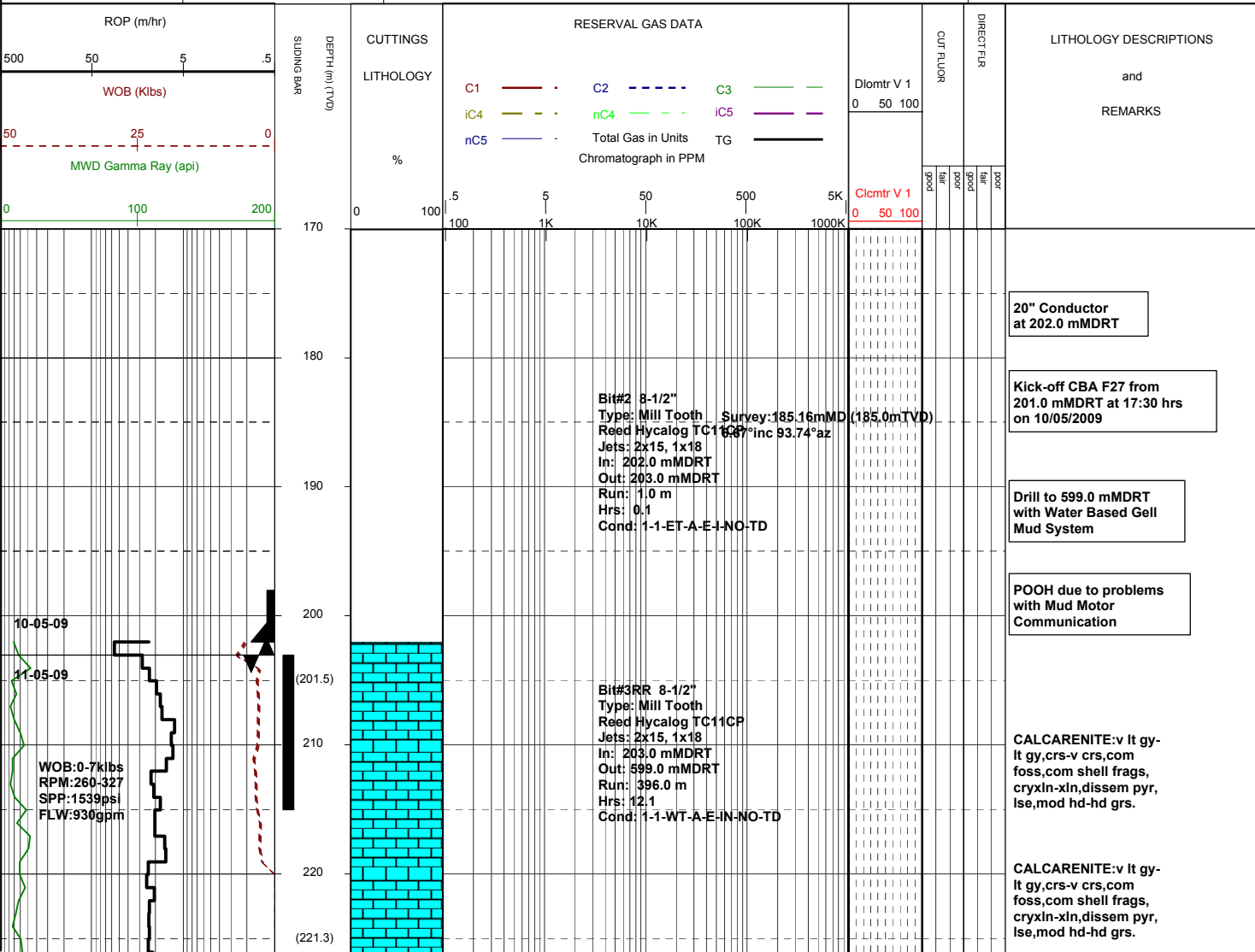
MASTERLOG

Cobia F27



GENERAL	SURFACE POSITION	HOLE / CASING INFO	DATE / DEPTH	ENGINEERS
Country : AUSTRALIA	Longitude :148°18'32.907" E	8-1/2" Hole to mMDRT	Kick off Date: 10/05/2009	Mark Smith
Permit : VIC / L5	Latitude : 38°26'57.469" S		Total Depth Date:	Gareth Munro
Field : COBIA	MGA Co-ord X :614236.56 mE	9-5/8" Casing to mMDRT	Total Depth: mMDRT	Colin Chadwick
Basin : GIPPSLAND	MGA Co-ord Y : 5743521.03 mN	10-3/4" Surface Csg at mMDRT	True Vertical Depth: mTVDRT	Phil Rady
Well Type :DEVELOPMENT	RT to MSL : 41.0 m	7" Production Csg at mMDRT	Log Scale : 1/ 500	Adam Sullivan
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	Casing shoe	RFT
FV	Funnel Viscosity	RPM	Rotations Per Min	Siltstone	Limestone	Radiolariae	Pyrite	Casing Top	MDT
PV	Plastic Viscosity	FLW	Flow Rate (gpm)	Fine sandstone	Dolomite	Echinoids		Survey	Mud gain
YP	Yield Point	SPP	Pump Pressure (psi)	Shale	Coal-lignite	Foraminiferae		Sidewall core	Mud loss
O/W	Oil/Water Ratio	RR	Re-Run Bit	Conglomerate	Volcanic cinder, tuff	Cement		Core	Sliding Bar
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						



MW:9.00
FV:51
PV:4
YP:30
O/W:-
HTHP:-
WPS:-

230

240

(241.2)

250

260

(261.1)

270

280

(280.9)

290

300

(300.7)

310

320

(320.2)

330

340

(339.6)

350

360

WOB:0.7klbs
RPM:260-327
SPP:1539psi
FLW:930gpm

Survey:278.28mMD (277.5mTVD)
6.82°inc 73.36°az

Survey:304.27mMD (303.2mTVD)
10.74°inc 48.62°az

Survey:337.13mMD (335.2mTVD)
15.60°inc 31.40°az

CALCARENITE:v lt gy-
lt gy,crs-v crs,tr vf,
abdt foss,abdt shell
frags,cryxln-xln,lse,
mod hd-hd grs.

CALCARENITE:lt gy-med
lt gy,f-med,rr crs,com
foss,com shell frags,tr
liths,xln,lse-uncons,
mod hd-hd grs.

CALCARENITE:lt gy-med
lt gy,f-med,rr crs,mnr
foss,mnr shell frags,tr
liths,xln,lse-fri,aggs,
mod hd-hd grs.

CALCARENITE:lt gy-med
lt gy,f-med,rr crs,mnr
foss,mnr shell frags,tr
liths,xln,lse-fri,aggs,
mod hd-hd grs.

CALCARENITE:lt gy-med
lt gy,f-med,rr crs,mnr
foss,mnr shell frags,tr
liths,xln,lse-fri,aggs,
mod hd-hd grs.

CALCARENITE:lt gy-med
lt gy,f-med,rr crs,mnr
foss,mnr shell frags,tr
liths,xln,lse-fri,aggs,
mod hd-hd grs.

CALCARENITE:lt gy-med
lt gy,f-med,rr crs,mnr
foss,mnr shell frags,tr
liths,xln,lse-fri,aggs,
mod hd-hd grs.

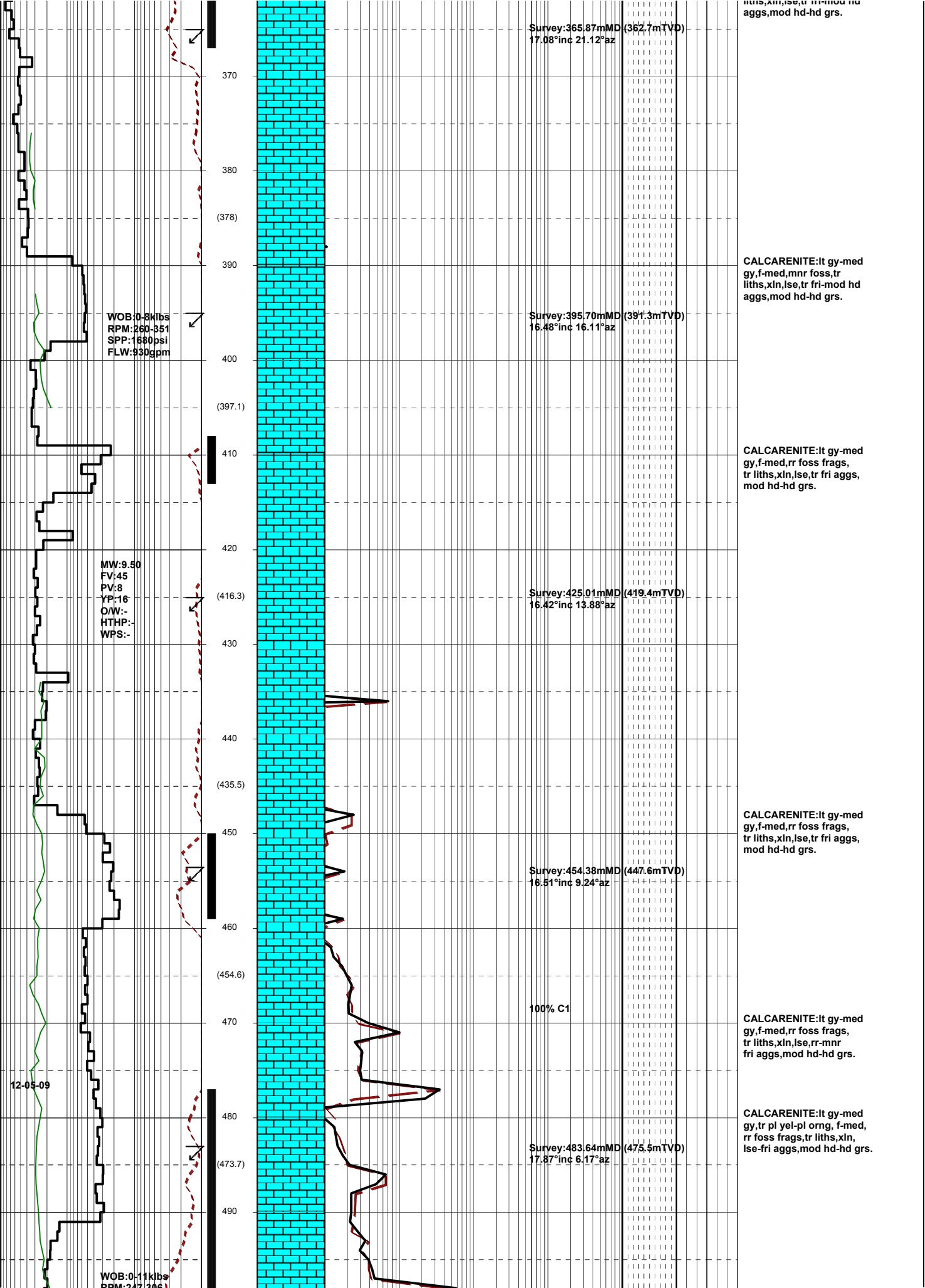
CALCARENITE:lt gy-med
lt gy,f-med,rr crs,mnr
foss,mnr shell frags,tr
liths,xln,lse-fri,aggs,
mod hd-hd grs.

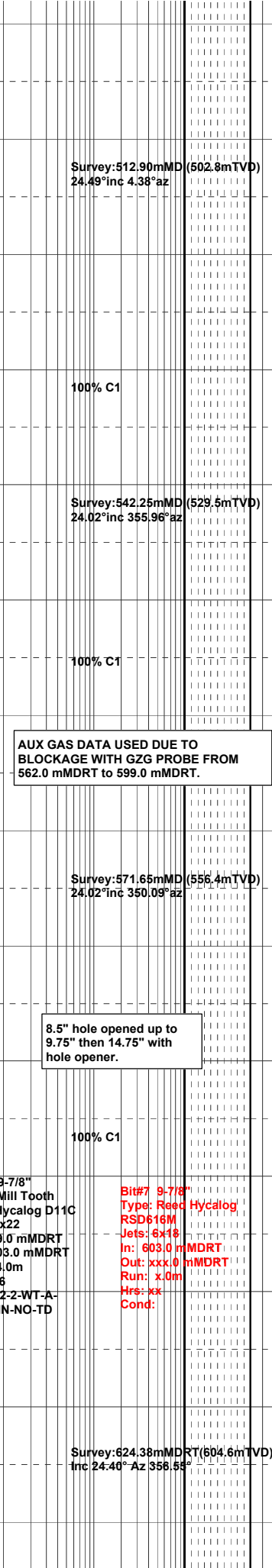
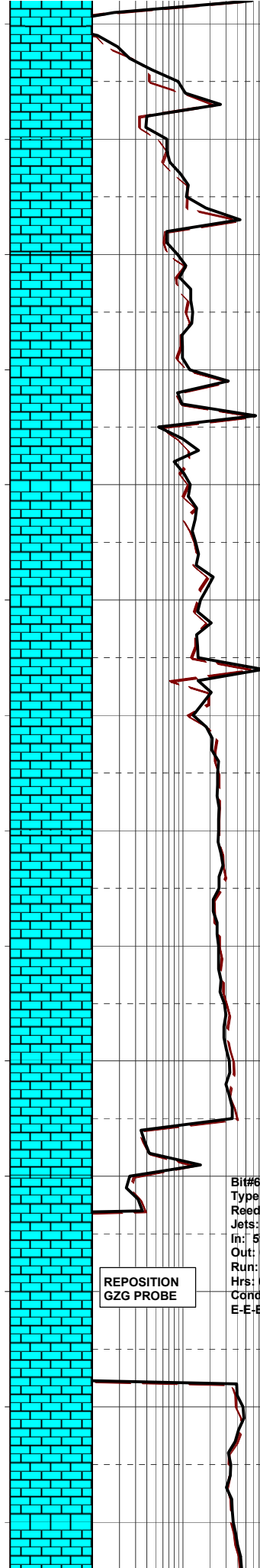
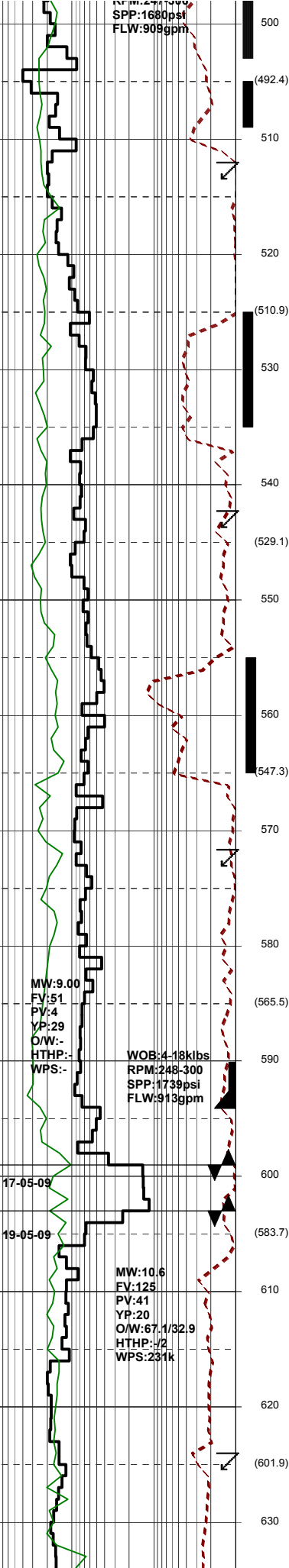
CALCARENITE:lt gy-med
gy,f-med,mnr foss,tr
liths,xln,lse,tr fri-mod hd
aggs,mod hd-hd grs.

CALCARENITE:lt gy-med
gy,f-med,mnr foss,tr
liths,xln,lse,tr fri-mod hd
aggs,mod hd-hd grs.

CALCARENITE:lt gy-med
gy,f-med,mnr foss,tr
liths,xln,lse,tr fri-mod hd
aggs,mod hd-hd grs.

CALCARENITE:lt gy-med
gy,f-med,mnr foss,tr
liths,xln,lse,tr fri-mod hd
aggs,mod hd-hd grs.





AUX GAS DATA USED DUE TO BLOCKAGE WITH GZG PROBE FROM 562.0 mMDRT to 599.0 mMDRT.

8.5" hole opened up to 9.75" then 14.75" with hole opener.

REPOSITION GZG PROBE

Bit#6 9-7/8"
 Type: Mill Tooth
 Reed Hycalog D11C
 Jets: 3x22
 In: 599.0 mMDRT
 Out: 603.0 mMDRT
 Run: 4.0m
 Hrs: 0.6
 Cond: 2-2-WT-A-E-E-E-IN-NO-TD

Bit#7 9-7/8"
 Type: Reed Hycalog
 RSD616M
 Jets: 6x18
 In: 603.0 mMDRT
 Out: xxx.0 mMDRT
 Run: x.0m
 Hrs: xx
 Cond:

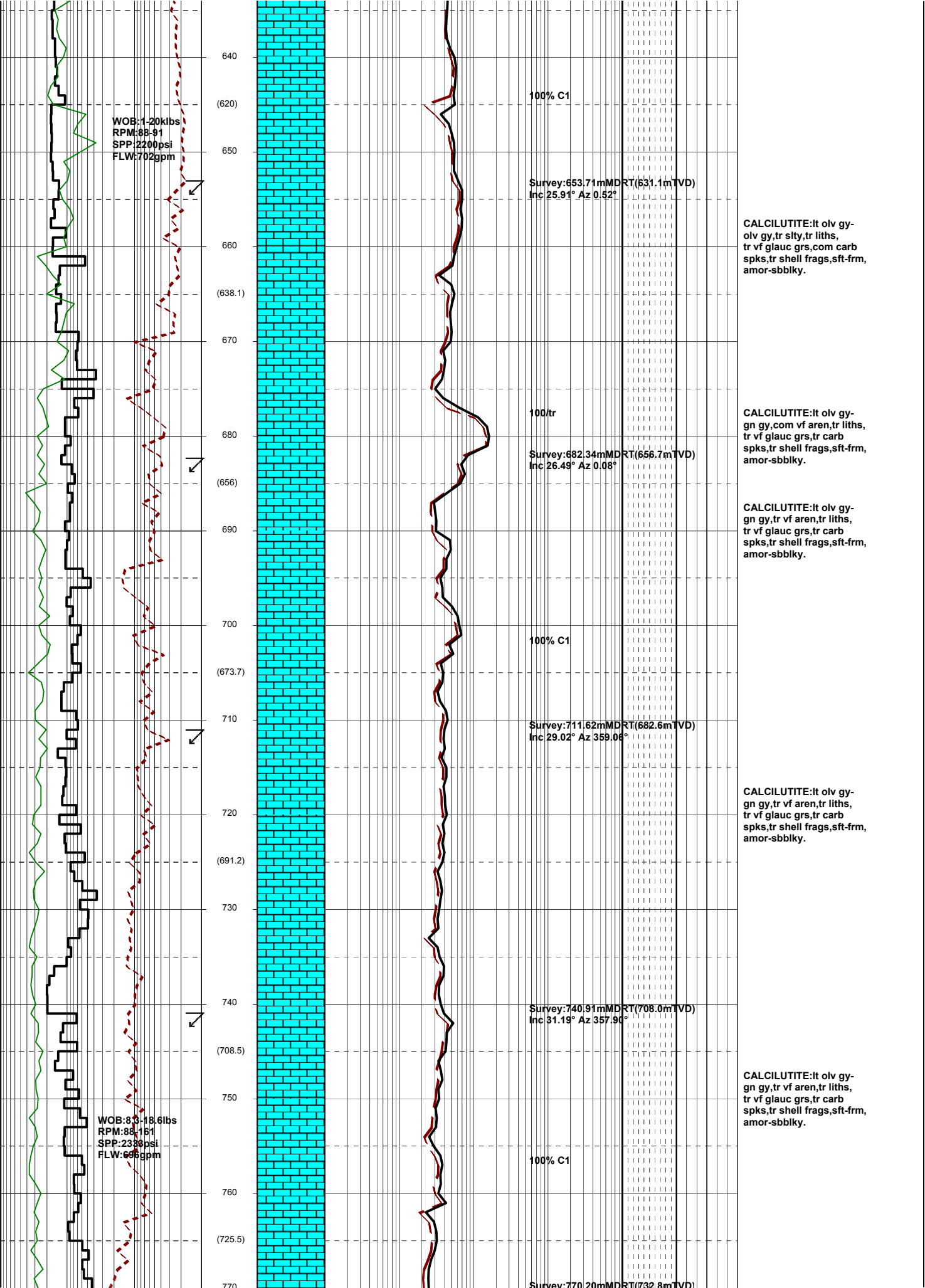
CALCARENITE: It gy-med gy, tr pl yel-pl orgn, f-med, rr foss frags, tr liths, xln, lse-fri aggs, mod hd-hd grs.
 CALCARENITE: It gy-med It gy, It olv gy, f-med, mnr foss frags, tr liths, tr glauc grs, xln, lse, rr fri aggs, mod hd-hd grs.
 CALCARENITE: It gy-med It gy, It olv gy, f-med, com foss frags, tr liths, tr glauc grs, xln, lse, rr fri aggs, mod hd-hd grs.
 CALCARENITE: med It gy-It olv gy, mnr foss, abdt shell frags, lse-fri, aggs, mod hd-hd grs.
 CALCILUTITE: It olv gy-olv gy, sity, tr liths, tr glauc grs, sft frm, amor-sbbkly.

POOH to run hole opener.

10.75" casing set at 594.1 mMDRT

PIT at 603.0 mMDRT
 585.0 mTVDRT
 268psi with 8.5ppg mud
 EMW = 13.2ppg

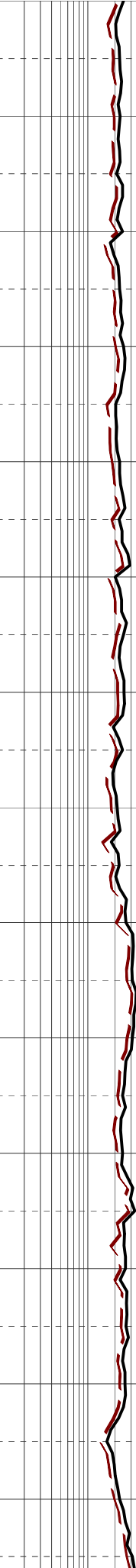
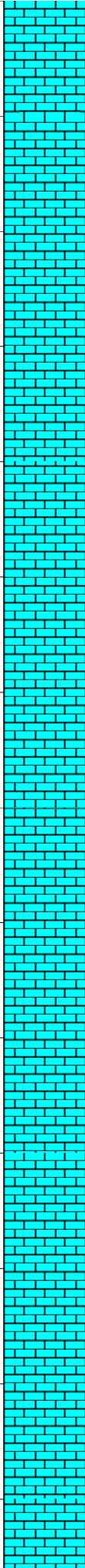
Drill with NAF Accolade Mud System



MW:10.9
FV:123
PV:50
YP:24
O/W:64.6/35.4
HTHP:-/2
WPS:205k

WOB:14.34klbs
RPM:120-161
SPP:2459psi
FLW:693gpm

770
780
(742.3)
790
800
(758.9)
810
820
(775.4)
830
840
(791.6)
850
860
(807.6)
870
880
(823.3)
890
900
(838.7)



Inc 32.66° Az 358.22°

Survey:798.90mMDRT(756.8mTVD)
Inc 32.03° Az 358.33°

100% C1

Survey:828.36mMDRT(781.0mTVD)
Inc 35.33° Az 358.5°

Survey:857.58mMDRT(804.6mTVD)
Inc 37.47° Az 356.55°

100% C1

Survey:886.78mMDRT(827.4mTVD)
Inc 39.39° Az 355.70°

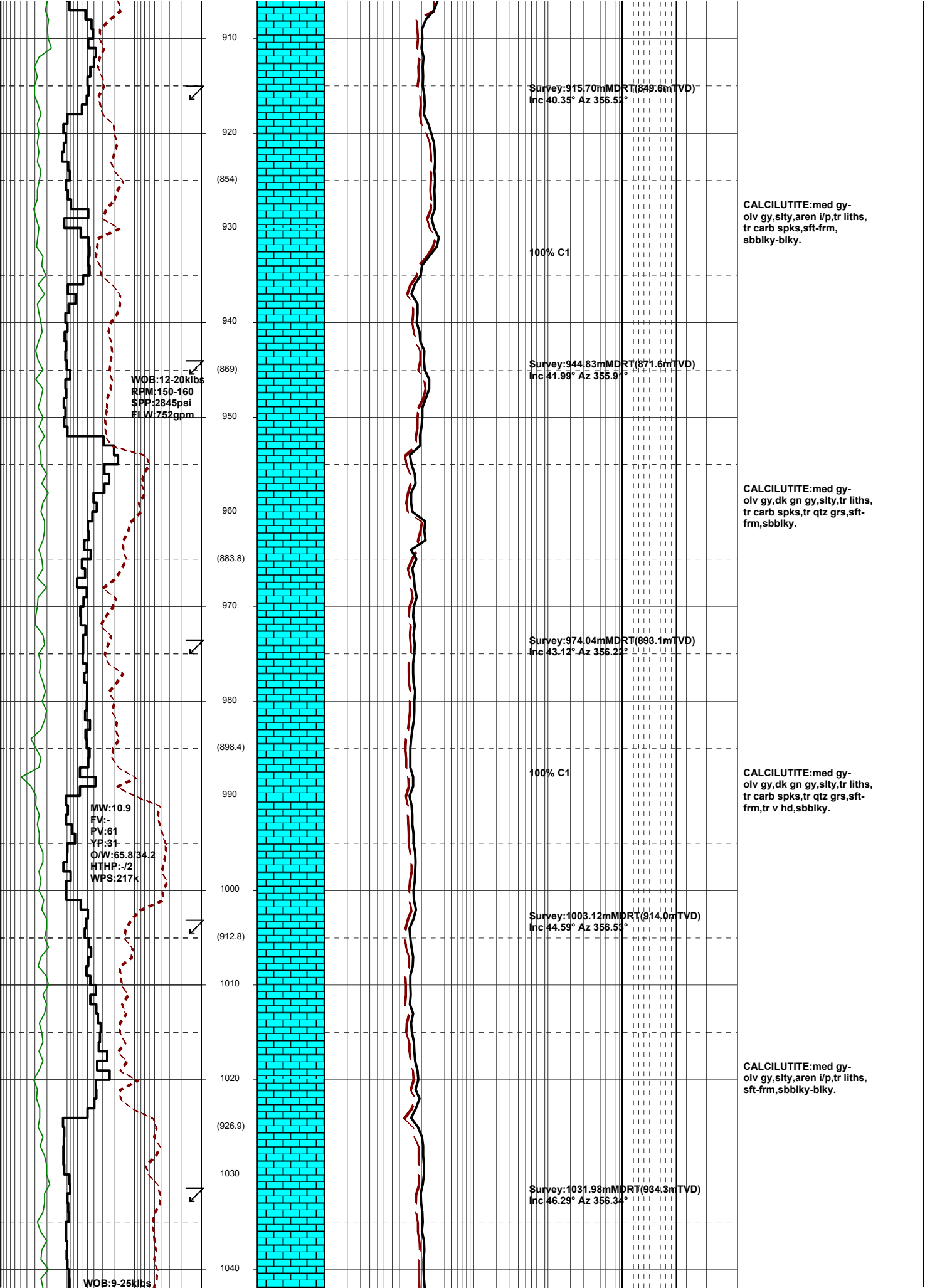
CALCILUTITE:It olv gy-
olv gy,silty,rr vf aren,
tr liths,tr carb spks,
sft-frm,amor-sbbkly.

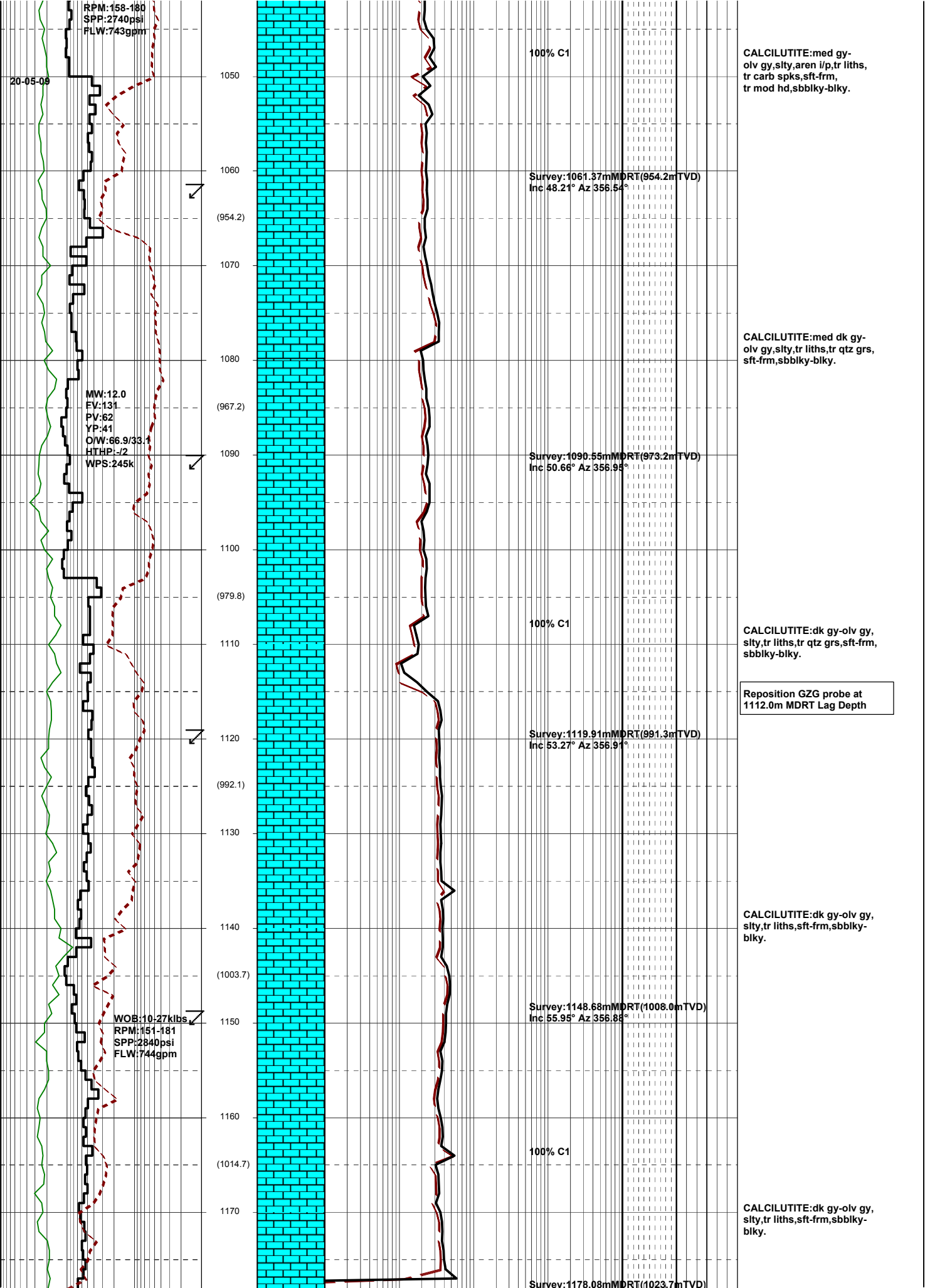
CALCILUTITE:It olv gy-
olv gy,silty,occ vf aren,
tr liths,tr carb spks,
sft-frm,rr mod hd,sbbkly,
rr blkly.

CALCILUTITE:It olv gy-
olv gy,tr vf aren,tr vf
qtz grs,tr liths,tr carb
spks,sft-frm,rr mod hd,
sbbkly,rr blkly.

CALCILUTITE:It olv gy-
olv gy,tr vf aren,tr vf
qtz grs,tr liths,tr carb
spks,sft-frm,rr mod hd,
sbbkly,rr blkly.

CALCILUTITE:med gy-olv gy,
silty,tr vf aren,tr vf qtz grs,tr
liths,tr carb spks,sft-frm,
sbbkly-blkly.





RPM:158-180
SPP:2740psi
FLW:743gpm

20-05-09

1050
1060
(954.2)
1070
1080
(967.2)
1090
1100
(979.8)
1110
1120
(992.1)
1130
1140
(1003.7)
1150
1160
(1014.7)
1170

MW:12.0
EV:131
PV:62
YP:41
OIW:66.9/33.1
HTHP:1/2
WPS:245k

WOB:10-27klbs
RPM:151-181
SPP:2840psi
FLW:744gpm

100% C1

Survey:1061.37mMDRT(954.2mTVD)
Inc 48.21° Az 356.54°

Survey:1090.55mMDRT(973.2mTVD)
Inc 50.66° Az 356.98°

100% C1

Survey:1119.91mMDRT(991.9mTVD)
Inc 53.27° Az 356.91°

Survey:1148.68mMDRT(1008.0mTVD)
Inc 55.95° Az 356.88°

100% C1

Survey:1178.08mMDRT(1023.7mTVD)

CALCILUTITE:med gy-olv gy,silty,aren i/p,tr liths, tr carb spks,sft frm, tr mod hd,sbbkly-blky.

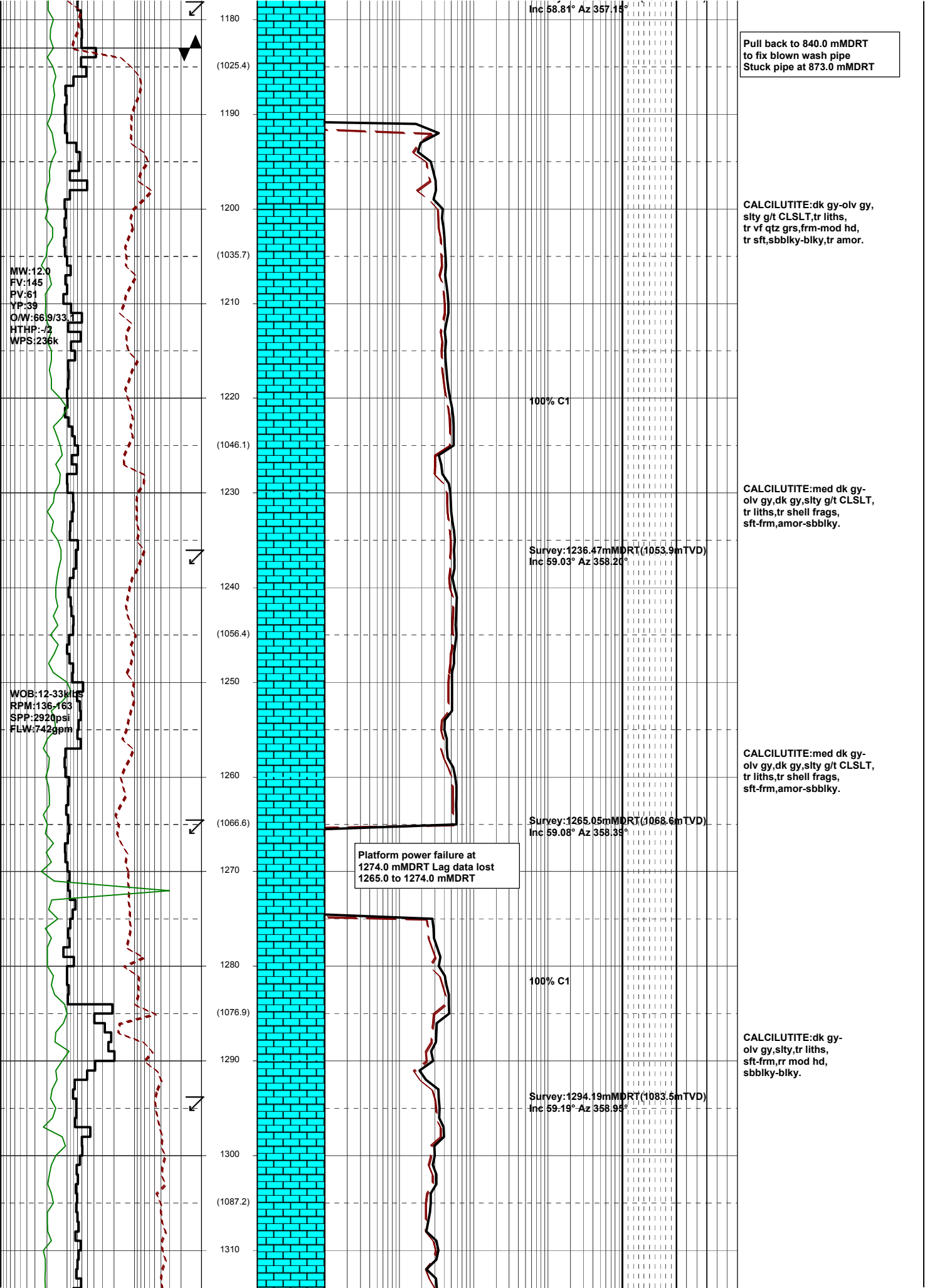
CALCILUTITE:med dk gy-olv gy,silty,tr liths,tr qtz grs, sft frm,sbbkly-blky.

CALCILUTITE:dk gy-olv gy, silty, tr liths, tr qtz grs, sft frm, sbbkly-blky.

Reposition GZG probe at 1112.0m MDRT Lag Depth

CALCILUTITE:dk gy-olv gy, silty, tr liths, sft frm, sbbkly-blky.

CALCILUTITE:dk gy-olv gy, silty, tr liths, sft frm, sbbkly-blky.



Pull back to 840.0 mMDRT
to fix blown wash pipe
Stuck pipe at 873.0 mMDRT

MW:12.0
FV:145
PV:61
YP:39
O/W:66.9/33.1
HTHP:~1/2
WPS:236k

WOB:12.33kN
RPM:136-163
SPP:2920psi
FLW:742gpm

1180
(1025.4)
1190
1200
(1035.7)
1210
1220
(1046.1)
1230
1240
(1056.4)
1250
1260
(1066.6)
1270
1280
(1076.9)
1290
1300
(1087.2)
1310

Inc 58.81° Az 357.13°

100% C1

Survey: 1236.47mMDRT (1053.9mTVD)
Inc 59.03° Az 358.20°

Survey: 1265.05mMDRT (1068.6mTVD)
Inc 59.08° Az 358.39°

Platform power failure at
1274.0 mMDRT Lag data lost
1265.0 to 1274.0 mMDRT

100% C1

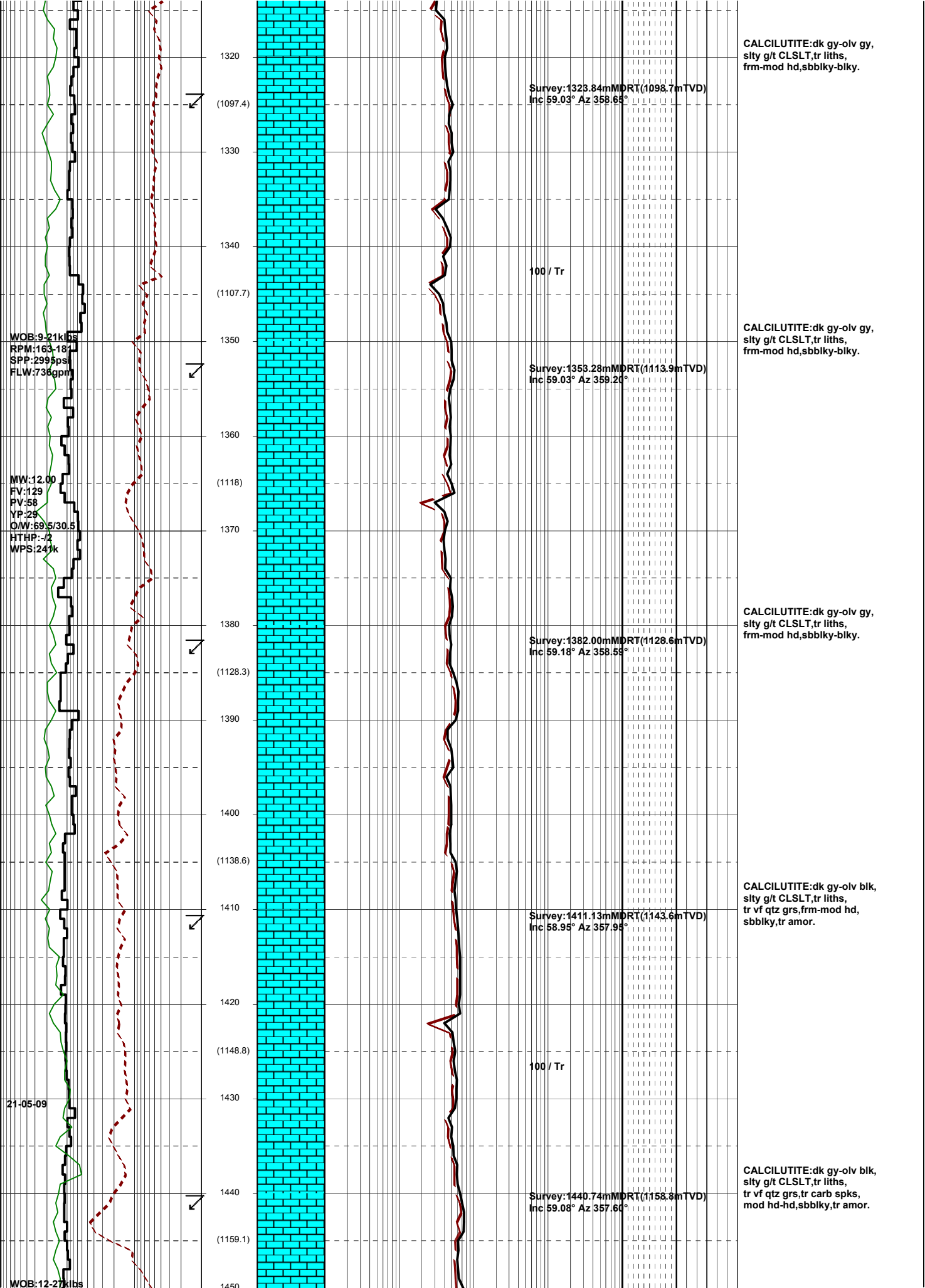
Survey: 1294.19mMDRT (1083.5mTVD)
Inc 59.19° Az 358.95°

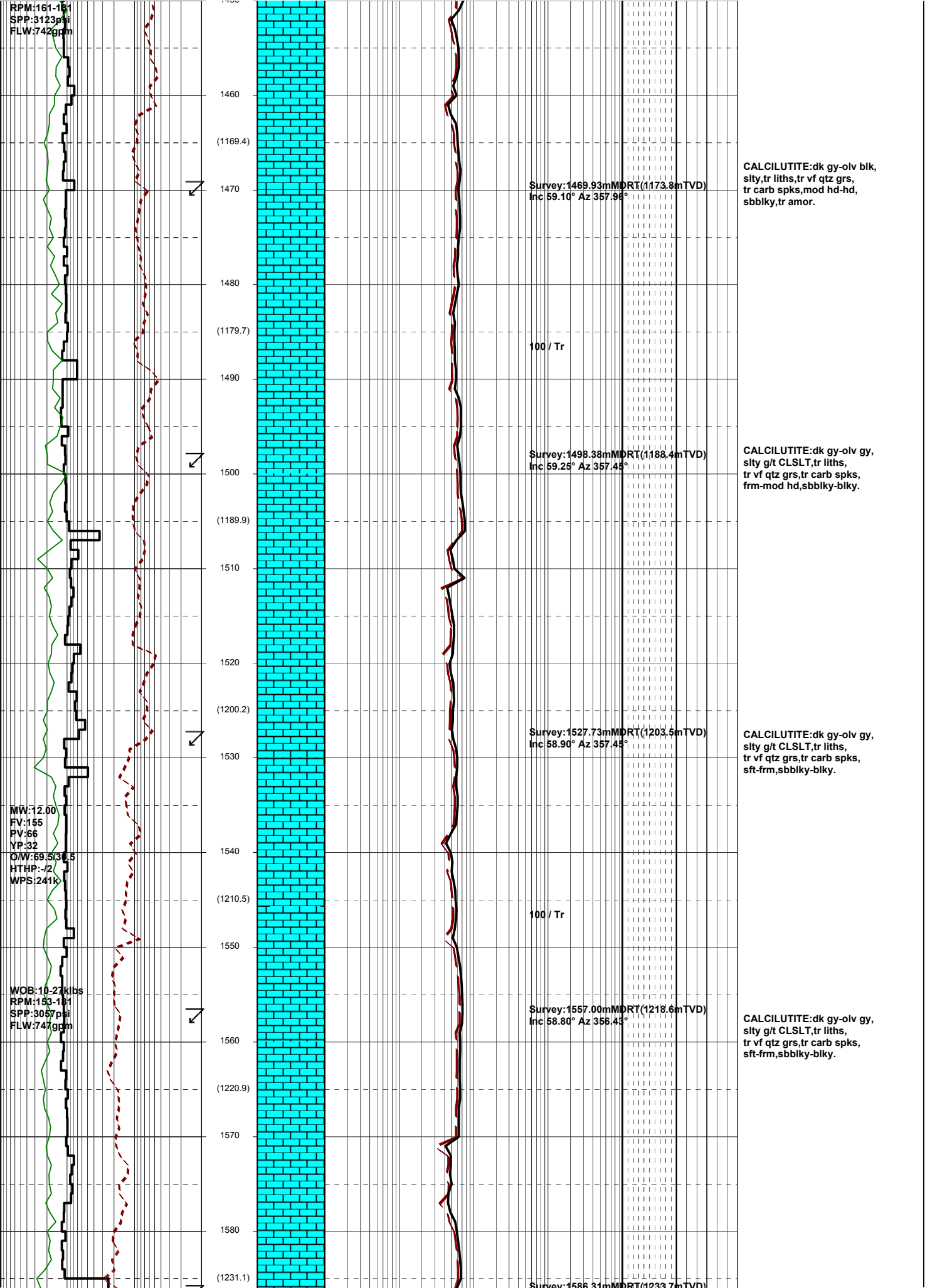
CALCILUTITE:dk gy-olv gy,
silty g/t CLSLT,tr liths,
tr vf qtz grs,frm-mod hd,
tr sft,sbbiky-blky,tr amor.

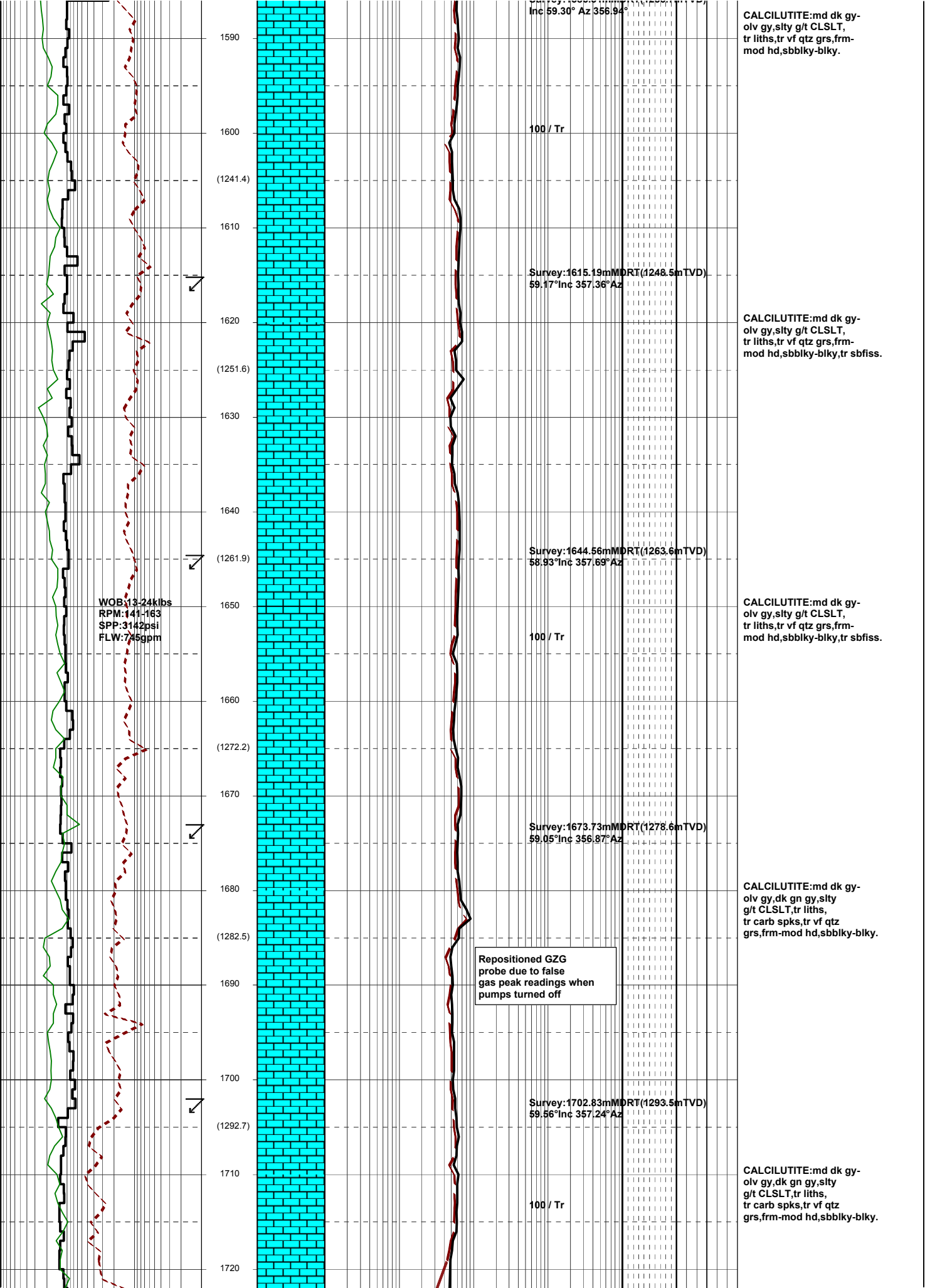
CALCILUTITE:med dk gy-
olv gy,dk gy,silty g/t CLSLT,
tr liths,tr shell frags,
sft-frm,amor-sbbiky.

CALCILUTITE:med dk gy-
olv gy,dk gy,silty g/t CLSLT,
tr liths,tr shell frags,
sft-frm,amor-sbbiky.

CALCILUTITE:dk gy-
olv gy,silty,tr liths,
sft-frm,rr mod hd,
sbbiky-blky.







MW:12.00
EV:140
PV:67
YP:30
O/W:70.0/30.0
HTHP:-/2
WPS:235k

WOB:19.5-36.4klbs
RPM:157-163
SPP:3264psi
FLW:745gpm

WOB:29.2-42.8klbs
RPM:158-161
SPP:3275psi
FLW:748gpm

1730

1740

(1313.2)

1750

1760

(1323.5)

1770

1780

(1333.8)

1790

(1344.1)

1800

1810

1820

(1354.4)

1830

1840

(1364.6)

1850

Survey:1731.58mMDRT(1308.2mTVD)
58.96°Inc 356.95°Az

Survey:1760.80mMDRT(1323.2mTVD)
59.01°Inc 357.63°Az

Survey:1790.05mMDRT(1338.3mTVD)
58.83°Inc 357.77°Az

Survey:1819.40mMDRT(1353.4mTVD)
59.28°Inc 357.08°Az

Survey:1848.12mMDRT(1368.1mTVD)
59.27°Inc 357.85°Az

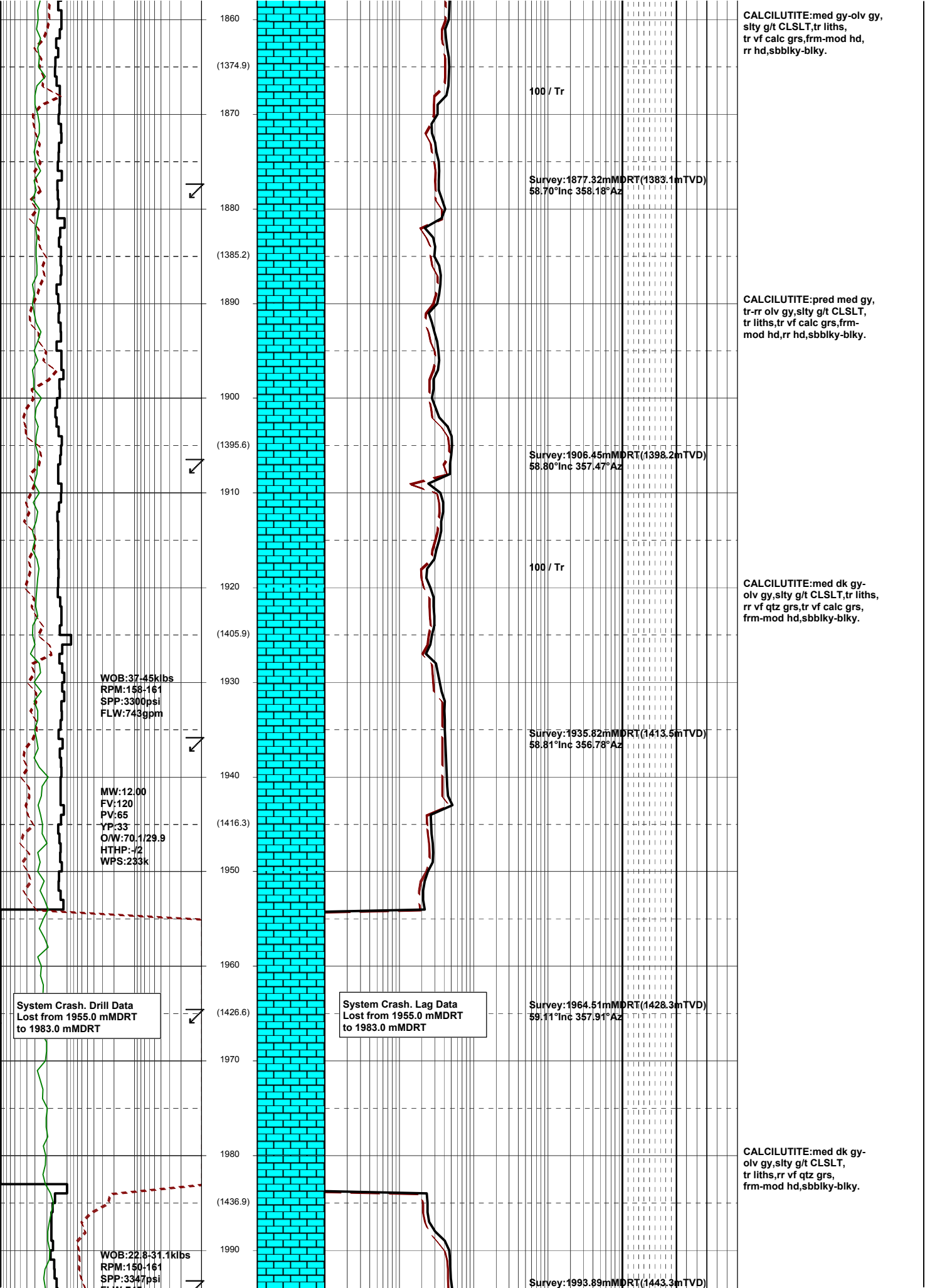
CALCILUTITE:med gy-olv gy,
silty g/t CLSLT,tr liths,
tr f qtz grs,rr f calc grs,
sft frm,amor-sbbkly,rr blkly.

CALCILUTITE:med gy-olv gy,
silty g/t CLSLT,tr liths,
tr vf qtz grs,tr vf calc grs,
sft frm,amor-sbbkly,rr blkly.

CALCILUTITE:med gy-olv gy,
silty g/t CLSLT,tr liths,
tr vf calc grs,tr vf calc grs,
sft frm,amor-sbbkly,rr blkly.

CALCILUTITE:med gy-olv gy,
silty g/t CLSLT,tr liths,
tr vf calc grs,frm-mod hd,
rr hd,sbbkly-blkly.

100 / Tr



1860

(1374.9)

1870

1880

(1385.2)

1890

1900

(1395.6)

1910

1920

(1405.9)

1930

1940

(1416.3)

1950

1960

(1426.6)

1970

1980

(1436.9)

1990

100 / Tr

Survey: 1877.32mMDRT(1383.1mTVD)
58.70°Inc 358.18°Az

Survey: 1906.45mMDRT(1398.2mTVD)
58.80°Inc 357.47°Az

100 / Tr

Survey: 1935.82mMDRT(1413.5mTVD)
58.81°Inc 356.78°Az

Survey: 1964.51mMDRT(1428.3mTVD)
59.11°Inc 357.91°Az

Survey: 1993.89mMDRT(1443.3mTVD)

WOB:37.45klbs
RPM:158-161
SPP:3300psi
FLW:743gpm

MW:12.00
FV:120
PV:65
YP:33
O/W:70.1/29.9
HTHP:-72
WPS:233k

System Crash. Drill Data
Lost from 1955.0 mMDRT
to 1983.0 mMDRT

System Crash. Lag Data
Lost from 1955.0 mMDRT
to 1983.0 mMDRT

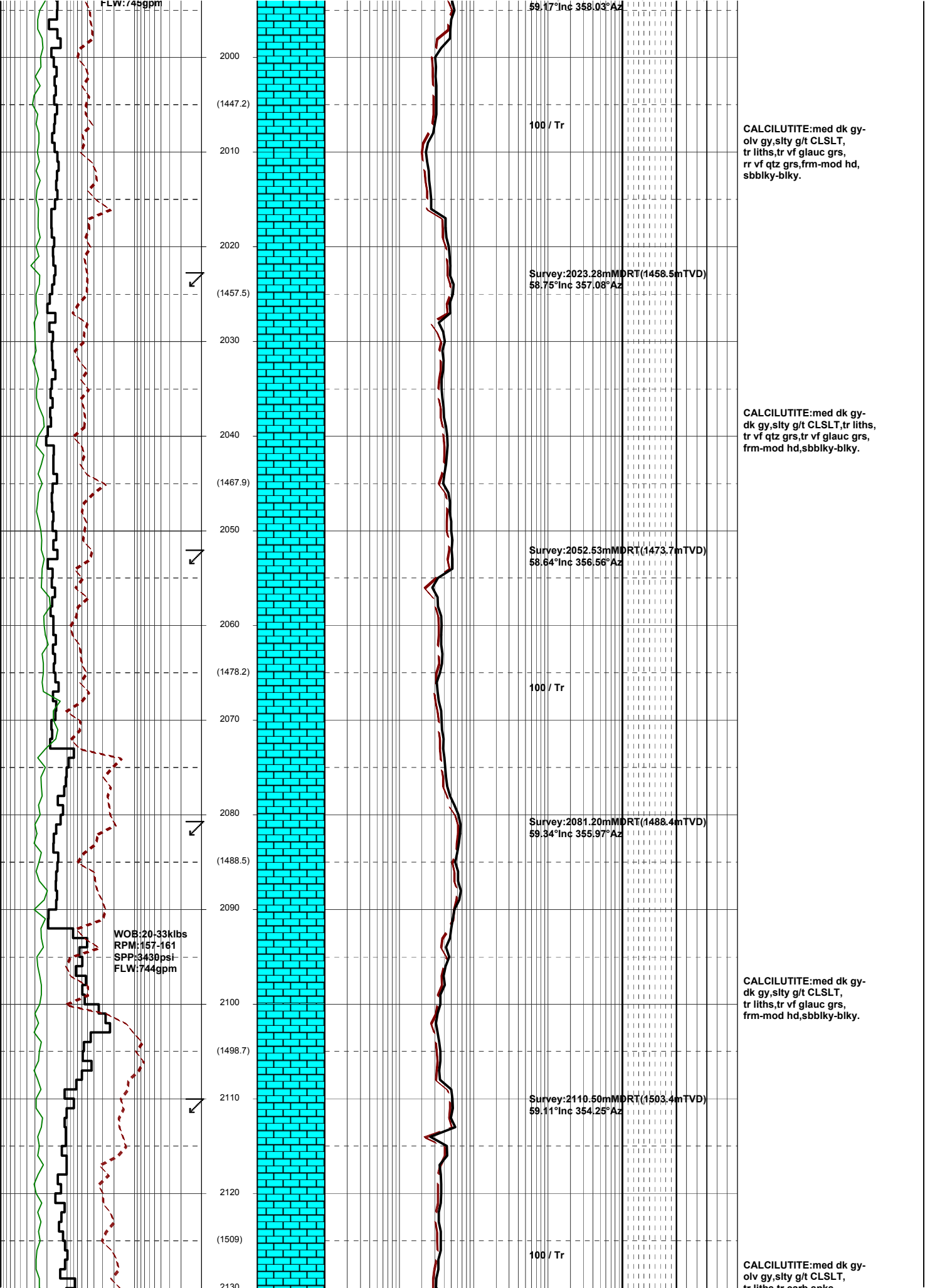
WOB:22.8-31.1klbs
RPM:150-161
SPP:3347psi

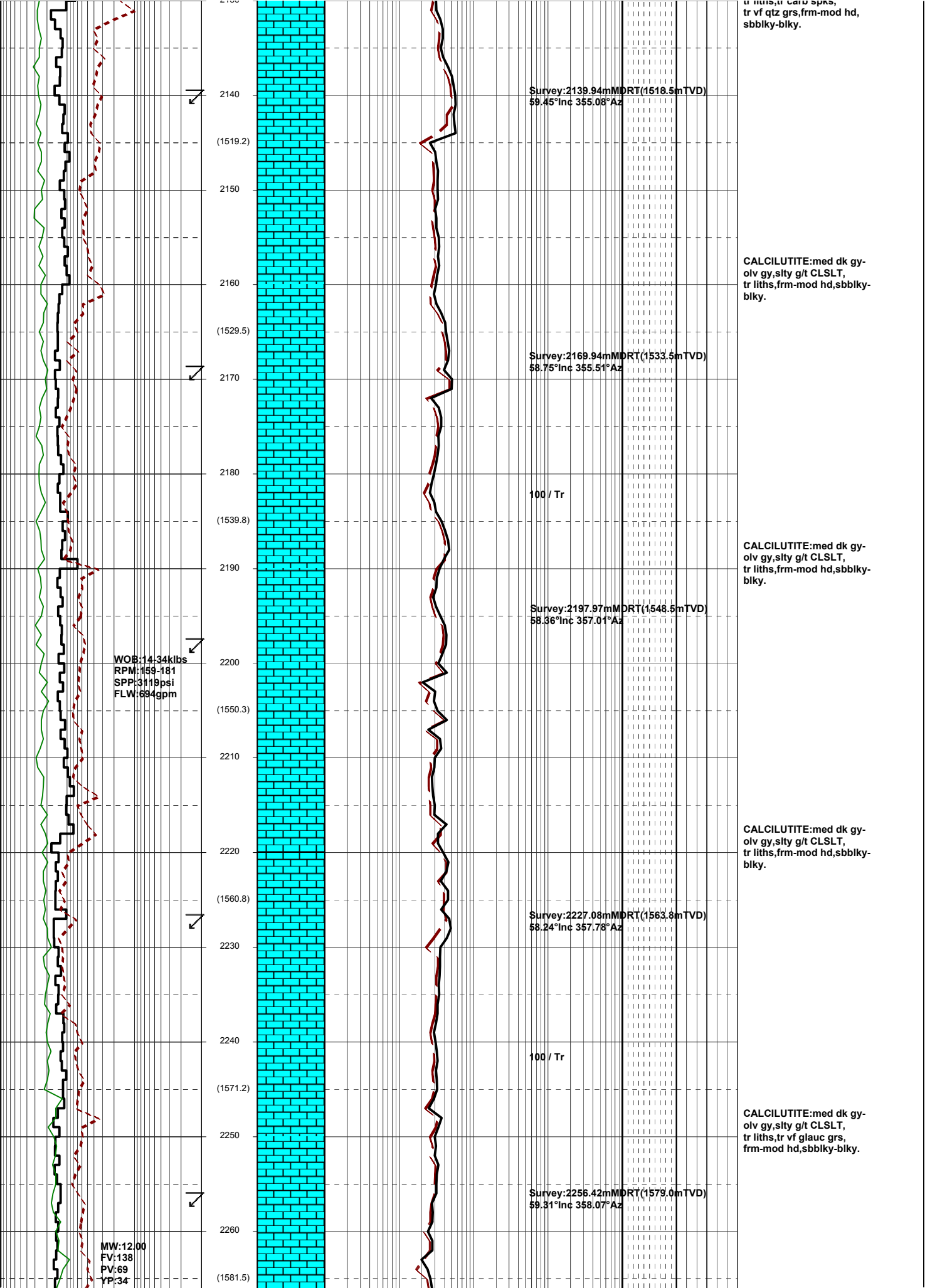
CALCILUTITE:med gy-olv gy,
sity g/t CLSLT,tr liths,
tr vf calc grs,frm-mod hd,
rr hd,sbblky-blky.

CALCILUTITE:pred med gy,
tr-rr olv gy,sity g/t CLSLT,
tr liths,tr vf calc grs,frm-
mod hd,rr hd,sbblky-blky.

CALCILUTITE:med dk gy-
olv gy,sity g/t CLSLT,tr liths,
rr vf qtz grs,tr vf calc grs,
frm-mod hd,sbblky-blky.

CALCILUTITE:med dk gy-
olv gy,sity g/t CLSLT,
tr liths,rr vf qtz grs,
frm-mod hd,sbblky-blky.





O/W:69.9/30.1
HTHP:-/2
WPS:239k

22-05-09

WOB:21.36klbs
RPM:155-162
SPP:3516psi
FLW:742gpm

WOB:24.36klbs
RPM:157-162
SPP:3483psi
FLW:736gpm

2270
2280
(1591.6)
2290
2300
(1601.8)
2310
2320
(1612)
2330
2340
(1622.4)
2350
2360
(1632.9)
2370
2380
(1643.3)
2390
2400

Survey:2285.89mMDRT(1593.9mTVD)
59.93°Inc 357.33°Az

100 / Tr

Survey:2314.74mMDRT(1608.6mTVD)
59.04°Inc 356.44°Az

Survey:2344.01mMDRT(1623.8mTVD)
58.29°Inc 356.56°Az

100 / Tr

Survey:2373.42mMDRT(1639.2mTVD)
58.43°Inc 357.23°Az

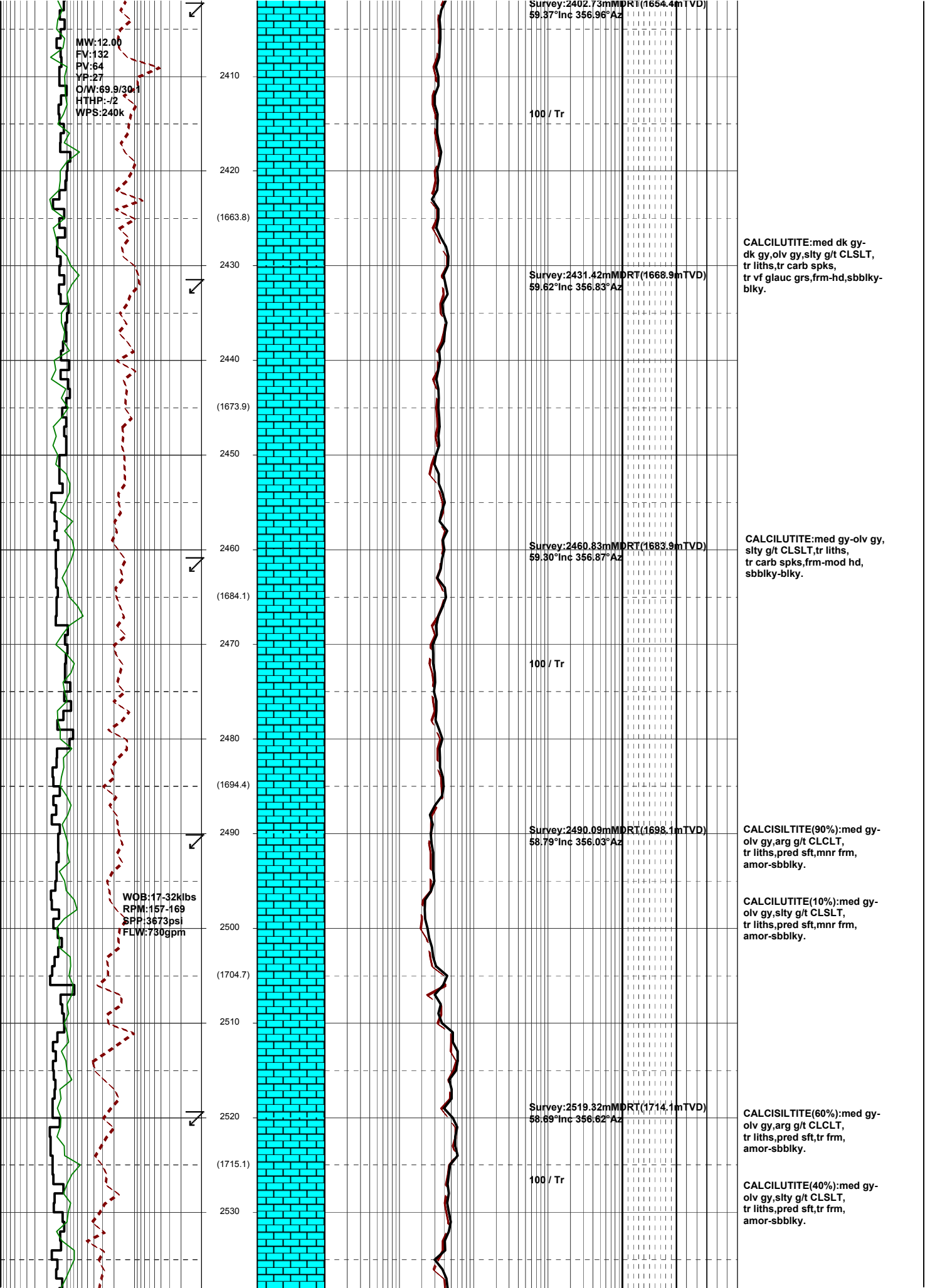
CALCILUTITE:dk gy-olv gy,
sity g/t CLSLT,tr liths,
tr vf calc grs,tr vf glauc grs,
frm-mod hd,sbbly-blyk.

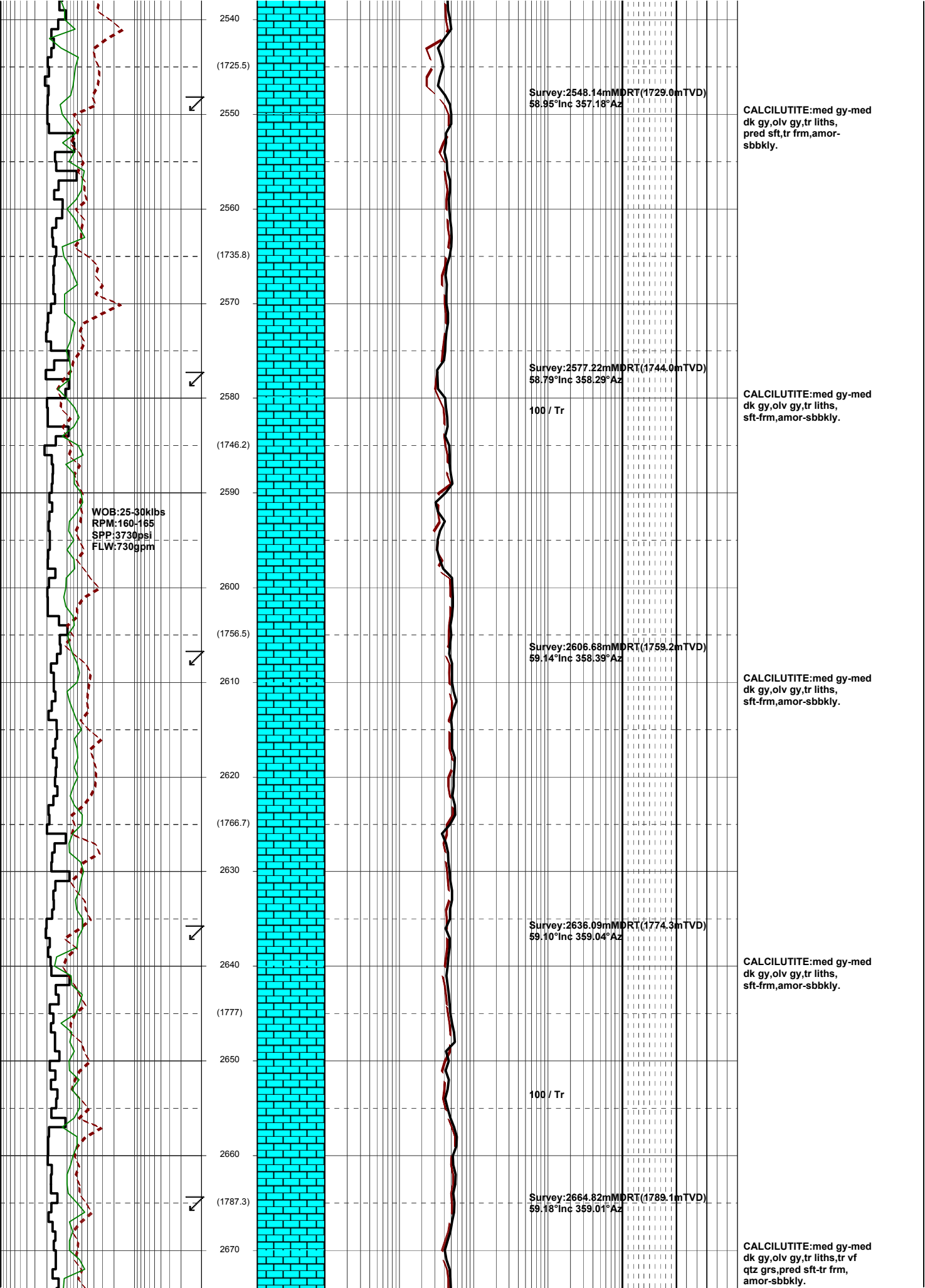
CALCILUTITE:dk gy-olv gy,
sity g/t CLSLT,tr liths,
tr vf calc grs,tr vf glauc grs,
frm-mod hd,sbbly-blyk.

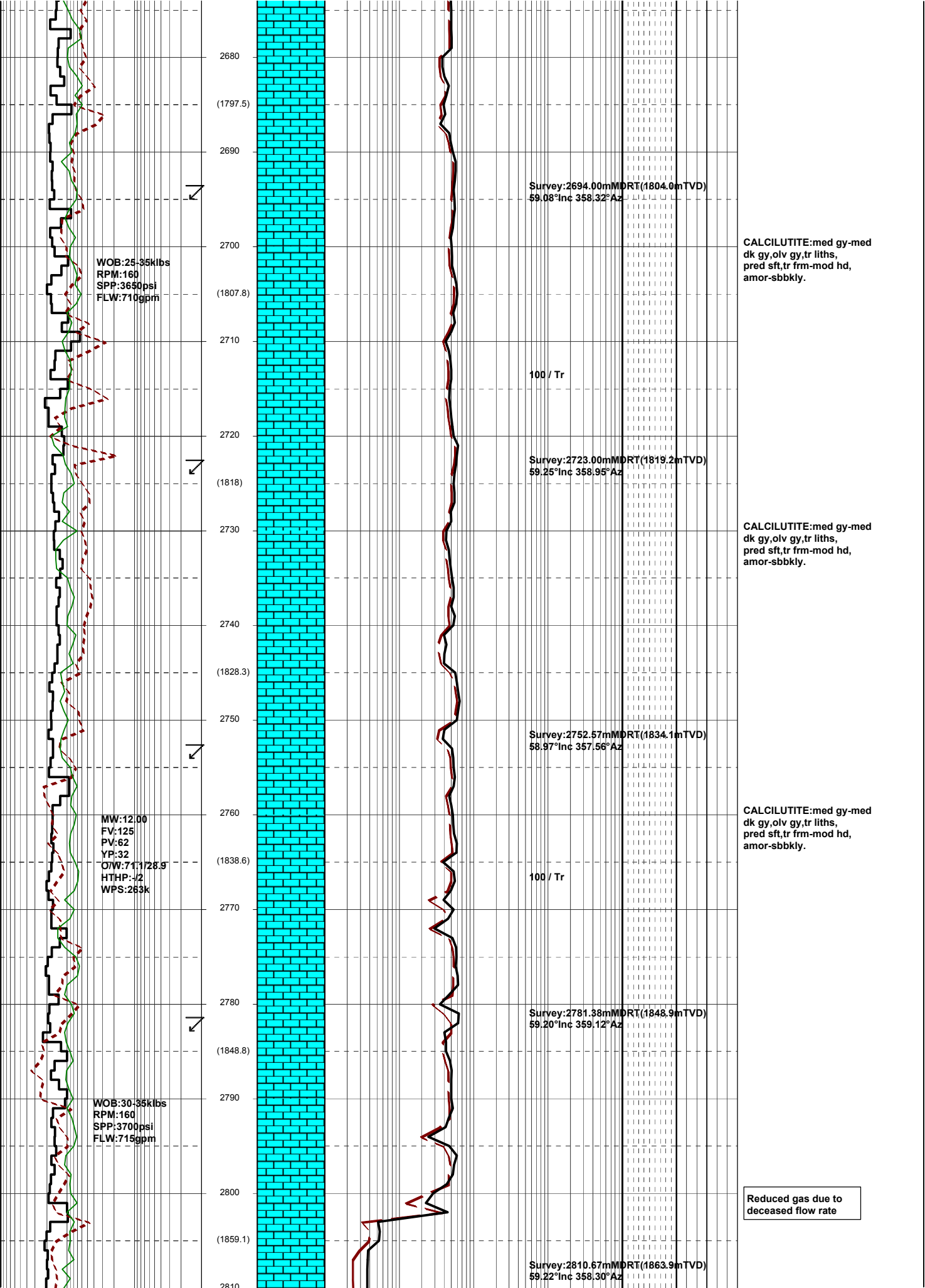
CALCILUTITE:dk gy-olv gy,
sity g/t CLSLT,tr liths,
tr vf calc grs,tr vf glauc grs,
frm-mod hd,sbbly-blyk.

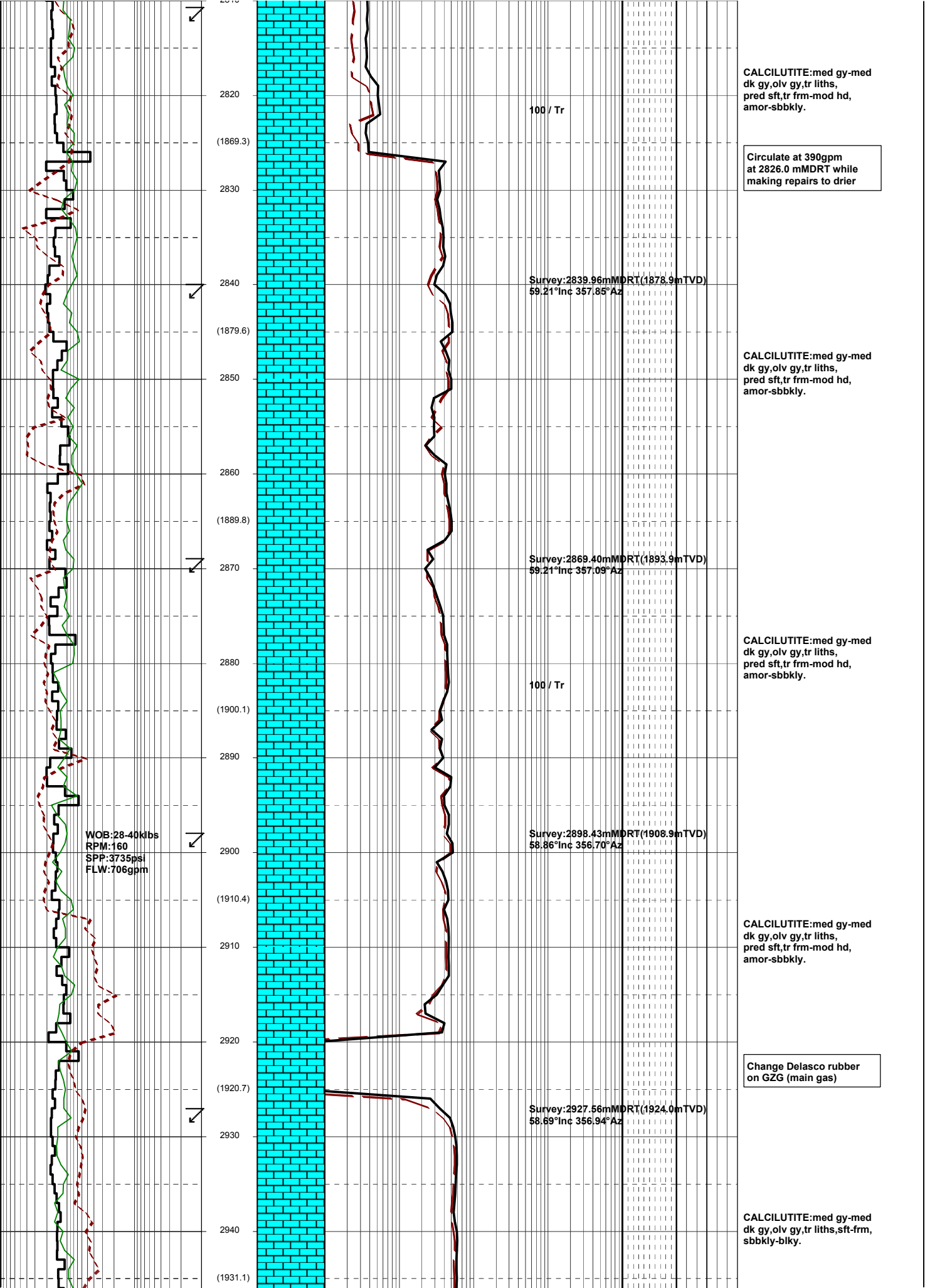
CALCILUTITE:med dk gy-
olv gy,sity g/t CLSLT,tr liths,
tr carb spks,tr vf calc grs,
frm-mod hd,sbblyk.

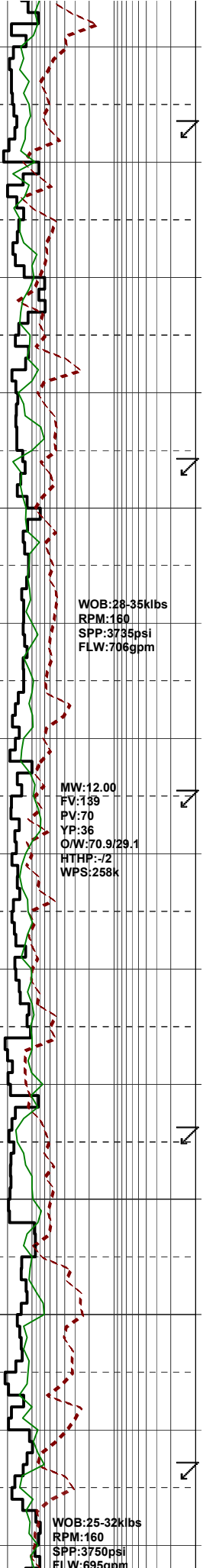
CALCILUTITE:med dk gy-
olv gy,sity g/t CLSLT,tr liths,
tr carb spks,tr vf calc grs,
frm-mod hd,sbblyk.











2950
 2960
 (1941.3)
 2970
 2980
 (1952.7)
 2990
 3000
 (1963.4)
 3010
 3020
 (1973.5)
 3030
 3040
 (1982)
 3050
 3060
 (1993.8)
 3070
 3080

WOB:28-35klbs
 RPM:160
 SPP:3735psi
 FLW:706gpm

MW:12.00
 FV:139
 PV:70
 YP:36
 O/W:70.9/29.1
 HTHP:-72
 WPS:258k

WOB:25-32klbs
 RPM:160
 SPP:3750psi
 FLW:695gpm

Survey:2956.93mMDRT(1939.1mTVD)
 59.11°Inc 357.54°Az

Survey:2986.29mMDRT(1954.3mTVD)
 58.88°Inc 358.37°Az

Survey:3015.08mMDRT(1969.1mTVD)
 58.97°Inc 357.63°Az

Survey:3044.22mMDRT(1984.2mTVD)
 58.86°Inc 357.81°Az

Survey:3073.36mMDRT(1999.2mTVD)
 59.17°Inc 358.00°Az

100 / Tr

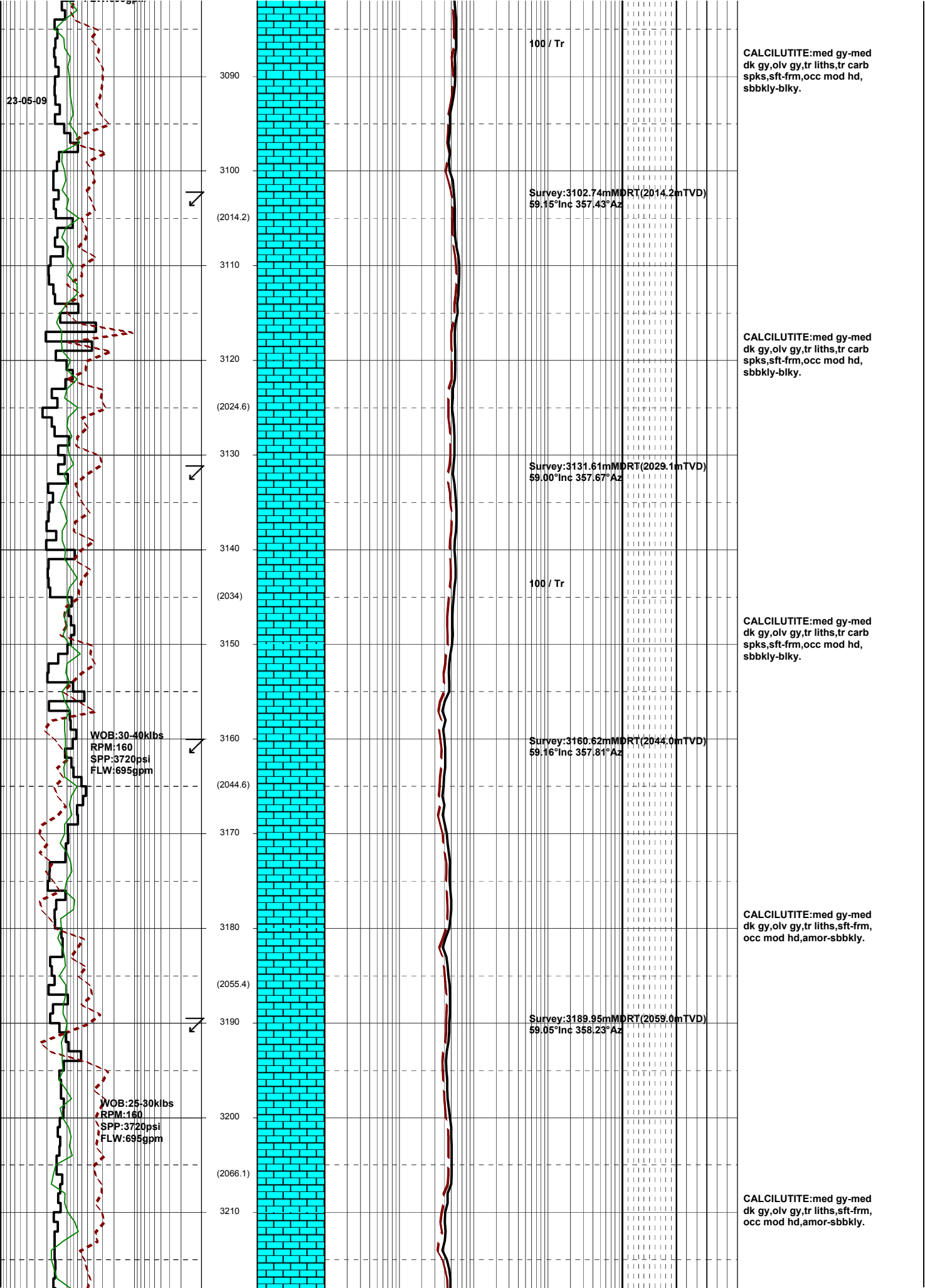
100 / Tr

CALCILUTITE:med gy-med
 dk gy,olv gy,tr liths,com carb
 spks,sft frm,sbbkly-blky.

CALCILUTITE:med gy-med
 dk gy,olv gy,tr liths,rr carb
 spks,sft frm,sbbkly-blky.

CALCILUTITE:med gy-med
 dk gy,olv gy,tr liths,tr carb
 spks,tr vf calc grns,sft frm,
 sbbkly-blky.

CALCILUTITE:med gy-med
 dk gy,olv gy,tr liths,tr carb
 spks,sft frm,occ mod hd,
 sbbkly-blky.



23-05-09

3090
3100
(2014.2)
3110
3120
(2024.6)
3130
3140
(2034)
3150
3160
(2044.6)
3170
3180
(2055.4)
3190
3200
(2066.1)
3210

100 / Tr

Survey: 3102.74m MDRT (2014.2m TVD)
59.15° Inc 357.43° Az

Survey: 3131.61m MDRT (2029.1m TVD)
59.00° Inc 357.67° Az

100 / Tr

Survey: 3160.62m MDRT (2044.0m TVD)
59.16° Inc 357.81° Az

Survey: 3189.95m MDRT (2059.0m TVD)
59.05° Inc 358.23° Az

CALCILUTITE: med gy-med dk gy, olv gy, tr liths, tr carb spks, sft frm, occ mod hd, sbbkly-blky.

CALCILUTITE: med gy-med dk gy, olv gy, tr liths, tr carb spks, sft frm, occ mod hd, sbbkly-blky.

CALCILUTITE: med gy-med dk gy, olv gy, tr liths, tr carb spks, sft frm, occ mod hd, sbbkly-blky.

CALCILUTITE: med gy-med dk gy, olv gy, tr liths, sft frm, occ mod hd, amor-sbbkly.

CALCILUTITE: med gy-med dk gy, olv gy, tr liths, sft frm, occ mod hd, amor-sbbkly.

WOB: 30-40klbs
RPM: 160
SPP: 3720psi
FLW: 695gpm

WOB: 25-30klbs
RPM: 160
SPP: 3720psi
FLW: 695gpm

