



Scale: 5" / 100'
Measured Depth Log

Well Name Bigfoot 11-10-3_Horizontal_Final Mudlog

Location S11 T4N R63W, 2380' FSL 620' FWL

State Colorado

County Weld

Country USA

Rig Number Akita 522

API Number 05-123-517630000

AFE # 101060

Geographic Region Rockies

Field Platte

Spud Date 9/3/2022

Drilling Completed 11/19/2022

Surface Coordinates N 40° 32' 63.40", W 104° 41' 33.70"

Bottom Hole Coordinates N 40° 33' 02.60", W 104° 39' 74.60"

Ground Elevation 4,616'

K.B. Elevation 4,632'

Logged Interval 6,200' To 11,540'

Total Depth 11,540'

Formation NIO C

Type of Drilling Fluid OBM

Operator

Company Confluence Resources LP

Address 1001 17th Street, Suite 1250
Denver, CO, 80202



Geologist

Name Cassidy Miller, Aryn Rowe, Nathan Brown

Company Confluence Resources LP

Address 1001 17th Street, Suite 1250
Denver, CO, 80202



Other

Loggers: Steven Selby / Ryan Reed

Sample Catchers: Joshua Foust / Jianwei Hou

Equipment: ML-531



Start Date: 11/16/2022

End Date: 11/19/2022


Services: Mudlogging, XRD, XRF, Geosteering

CE
ES

Rock Types

 SHALE GRAY
 SANDSTONE

 MARLSTONE
 CHALK


 UNKNOWN

Other Symbols

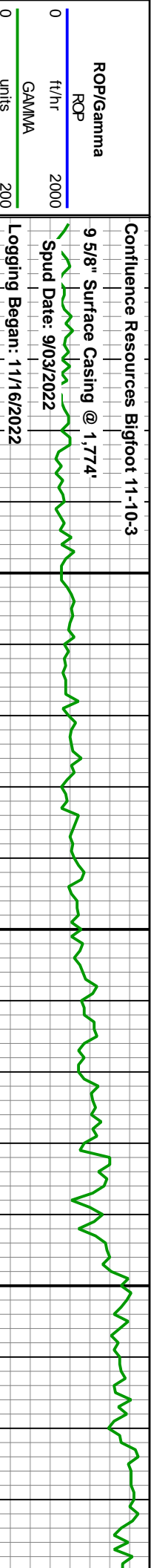
Engineering

 CONNECTION (LEFT)

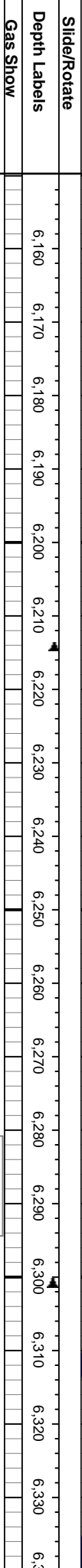
 CONNECTION GAS

 MN DEPTH

CE
ES



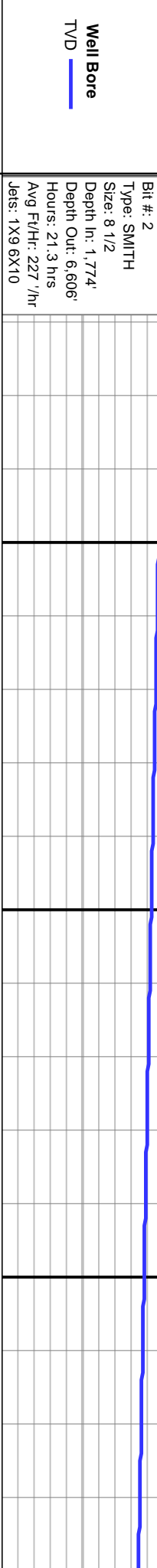
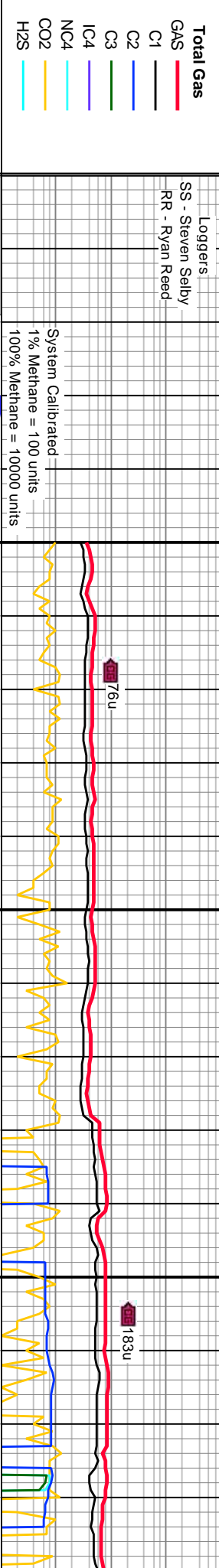
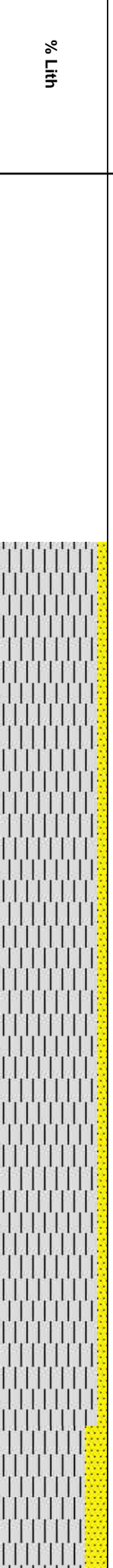
All Depths Correspond to Driller's Pipe Tail



SS
WOB: 5K
RPM: 30
SPM: 226
PP: 2.918

MD: 6,268'
INC: 26.44°
AZM: 113.2°
TVD: 6,092.24'
VS: -537.97'

MW IN: 9.4
MW OUT: 9.4
VIS IN: 56
VIS OUT: 56
Sharon Springs
6,297' MD / 6,117' TVD



Lithology Descriptions

90% SH: predy lt gy, med gy, sb ang, frm-fr, sily, aren, sli; 10% SS: crn-lt gy intbds, frm, sb rnd, cons, vf gr mtx, sl-mod calc

90% SH: predy lt gy, med gy, sb ang, frm-fr, sily, aren, sli; 10% SS: crn-lt gy intbds, frm, sb rnd, cons, vf gr mtx, sl-mod calc



MD: 6,357'
 INC: 32.82°
 AZM: 106.9°
 TVD: 6,169.58'
 VS: -494.34'

WOB: 5k
 RPM: 40
 SPM: 224
 PP: 2.919

MD: 6,446'
 INC: 40.98°
 AZM: 100.2°
 TVD: 6,240.72'
 VS: -441.01'

Nio A Chalk
 6,453' MD / 6,245' TVD

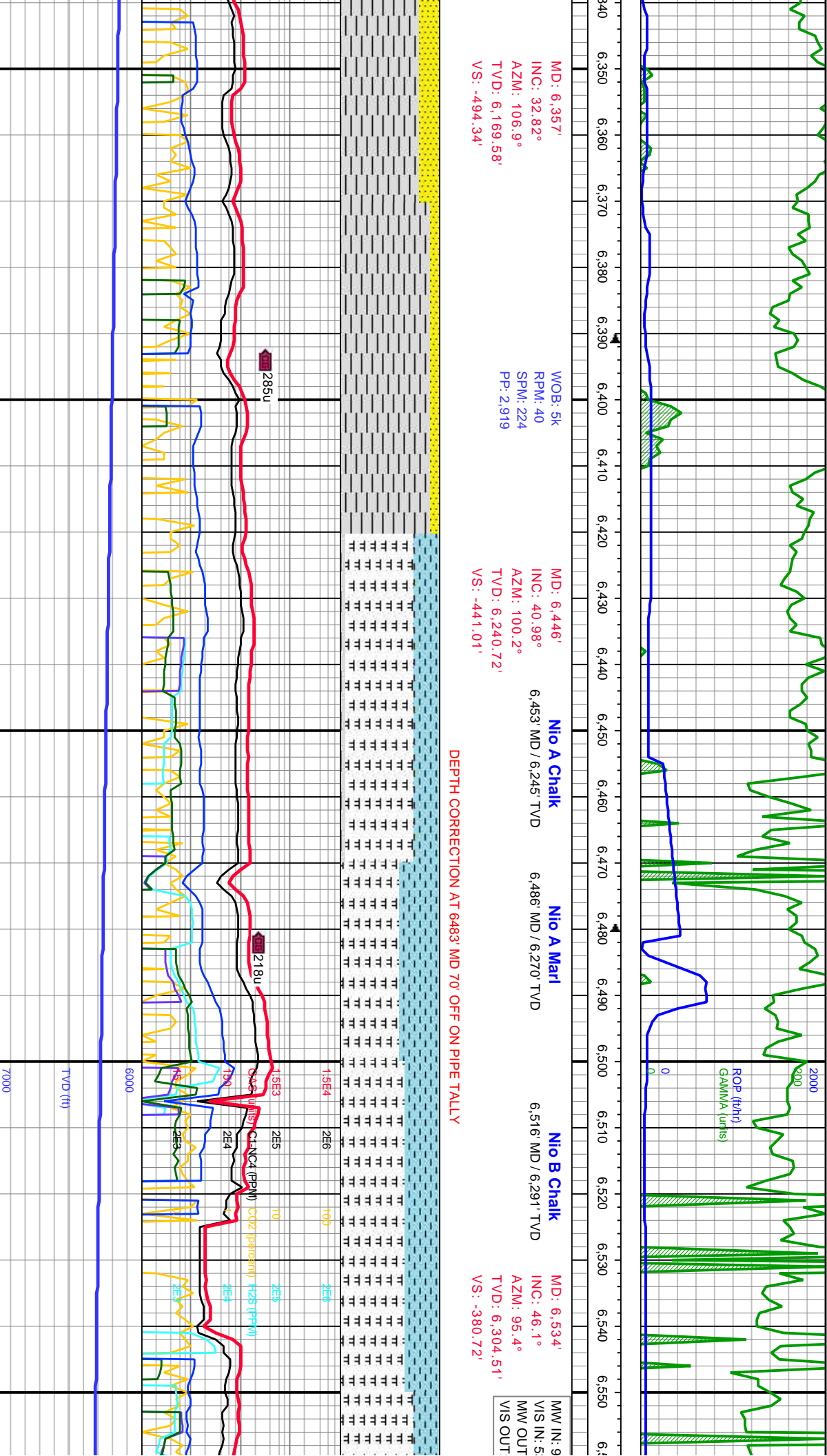
Nio A Marl
 6,486' MD / 6,270' TVD

Nio B Chalk
 6,516' MD / 6,291' TVD

MD: 6,534'
 INC: 46.1°
 AZM: 95.4°
 TVD: 6,304.51'
 VS: -380.72'

MW IN: 9
 VIS IN: 5
 MW OUT
 VIS OUT

DEPTH CORRECTION AT 6483' MD 70' OFF ON PIPE TALLY



80% SH: predy lt gy, med aren, sli, 20% SS: crm-lt gy intbds, frm, sb mnd, w cons, vf gr mtx, sl-mod calc

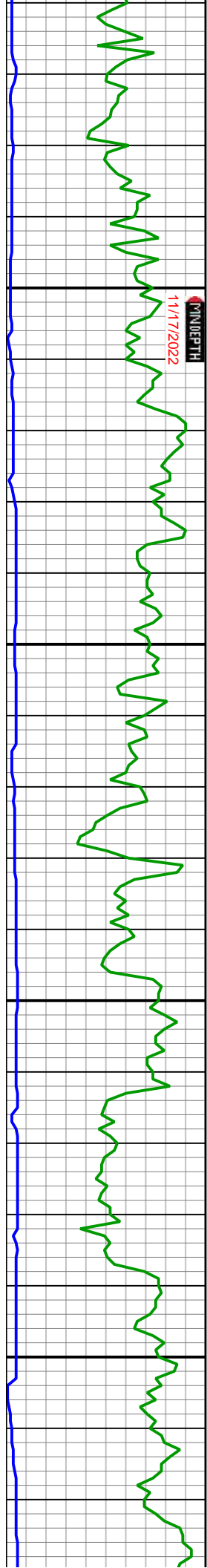
90% SH: predy lt gy, med aren, sli, 10% SS: crm-lt gy intbds, frm, sb mnd, cons, vf gr mtx, sl-mod calc

70% MRLST: dk gry, occ dk-lt brn, frm-sl fri, blkyl-sb ang, sb plty, sb wxy lstr, calc: 25% CHK: predy lt brn, lt gry-gry mot, sme offwht, fri, rthy tex, sb blkyl, arg, f mmica incl, calc, 5% SH sh lt gy, sb ang, frm-fri, sl aren, sli

60% MRLST: dk gry, occ dk-lt brn, frm-sl fri, blkyl-sb ang, sb plty, sb wxy lstr, calc: 40% CHK: predy lt brn, lt gry-gry mot, sme offwht, fri, rthy tex, sb blkyl, arg, f mmica incl, calc

65% MRLST: dk gry, sme dk-lt brn, frm-sl fri, blkyl-sb ang, sb plty, sb wxy lstr, calc: 35% CHK: lt gry-gry mot, tr offwht, fri, rthy tex, sb blkyl, arg, f mmica incl, calc





45
3
9.45
53

RR
WOB: 5k
RPM: 40
SPM: 224
PP: 2.919

SS MD: 6.604'
INC: 52.65°
AZM: 95.2°
TVD: 6.350.06'
VS: -328.12'

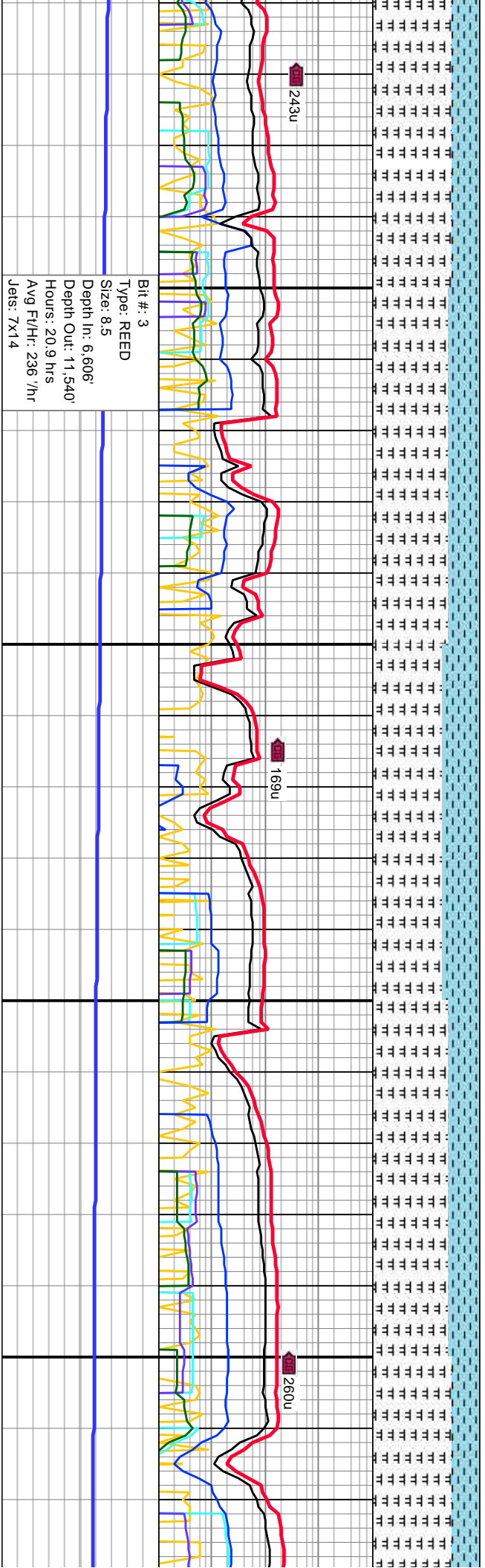
Nio B Marl
6.617' MD / 6.356' TVD

Nio C Chalk
6.661' MD / 6.378' TVD

MD: 6.692'
INC: 67.27°
AZM: 96.9°
TVD: 6.393.99'
VS: -252.72'

MW IN: 9.6
VIS IN: 58
MW OUT: 9.5
VIS OUT: 58

RR
MD: 6.7
INC: 7
AZM: 6
TVD: 6
VS: -1



243u

169u

260u

Bit #: 3
Type: REED
Size: 8.5
Depth In: 6.606'
Depth Out: 11.540'
Hours: 20.9 hrs
Avg Ft/Hr: 236 '/hr
Jets: 7x14

75% MRLST: dk gry, occ
dk-it brn, frm-sl fri, blkly-sb
ang, sb plty, sb wxy lst, r,
calc: 25% CHK: predy lt brn,
lt gry-gry mot, sme offwht,
fri, rthy tex, sb blkly, arg, f
mnica incl, calc

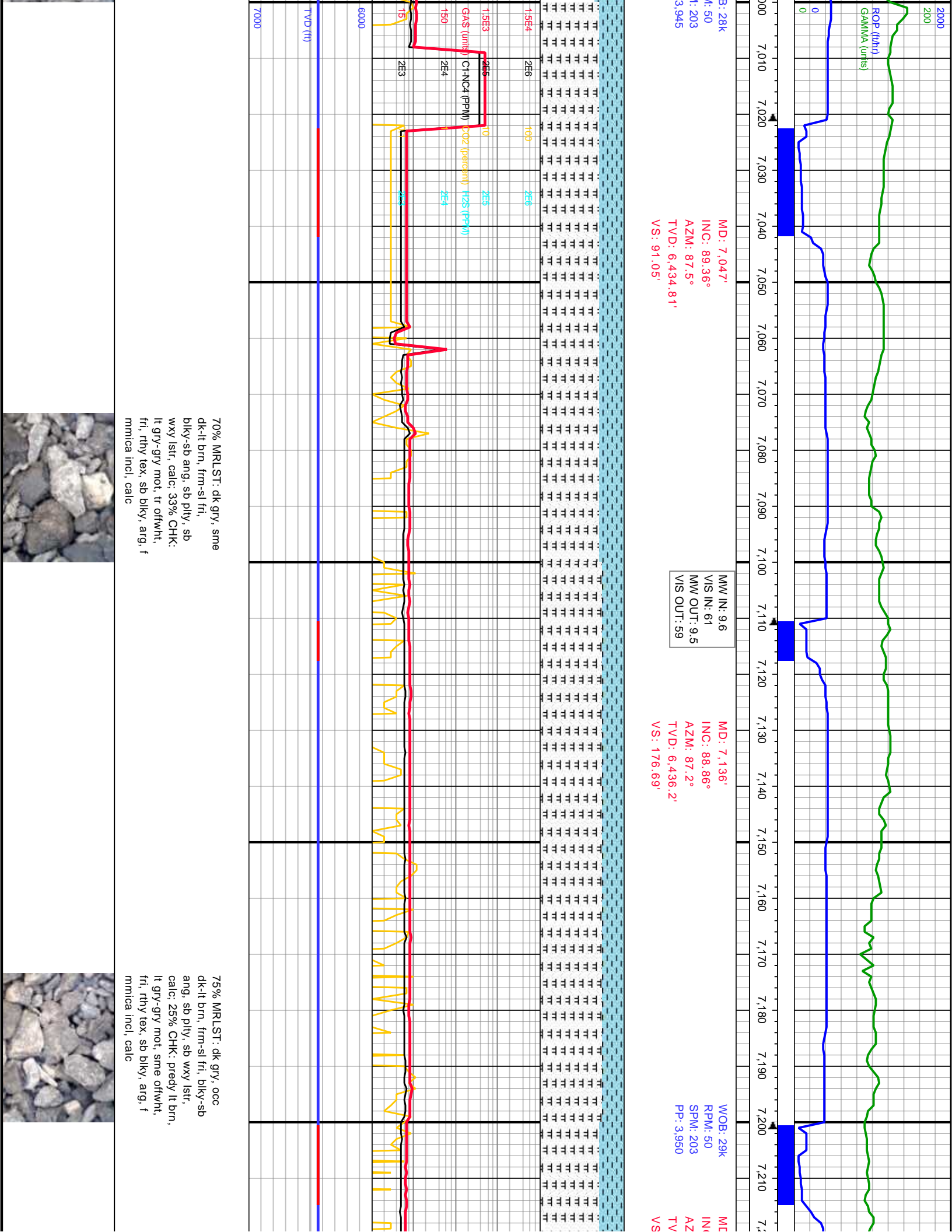
70% MRLST: dk gry, sme
dk-it brn, frm-sl fri,
blkly-sb ang, sb plty, sb
wxy lst, calc: 33% CHK:
lt gry-gry mot, tr offwht,
fri, rthy tex, sb blkly, arg, f
mnica incl, calc

65% MRLST: dk gry, sme
dk-it brn, frm-sl fri,
blkly-sb ang, sb plty, sb
wxy lst, calc: 35% CHK:
lt gry-gry mot, tr offwht,
fri, rthy tex, sb blkly, arg, f
mnica incl, calc

70% MRLST: dk gry, sme
dk-it brn, frm-sl fri,
blkly-sb ang, sb plty, sb
wxy lst, calc: 33% CHK:
lt gry-gry mot, tr offwht,
fri, rthy tex, sb blkly, arg, f
mnica incl, calc

75% MRLST: dk gry, occ
dk-it brn, frm-sl fri, blkly-sb
ang, sb plty, sb wxy lst, r,
calc: 25% CHK: predy lt brn,
lt gry-gry mot, sme offwht,
fri, rthy tex, sb blkly, arg, f
mnica incl, calc





MD: 7,047'
 INC: 89.36°
 AZM: 87.5°
 TVD: 6,434.81'
 VS: 91.05'

MW IN: 9.6
 VIS IN: 61
 MW OUT: 9.5
 VIS OUT: 59

MD: 7,136'
 INC: 88.86°
 AZM: 87.2°
 TVD: 6,436.2'
 VS: 176.69'

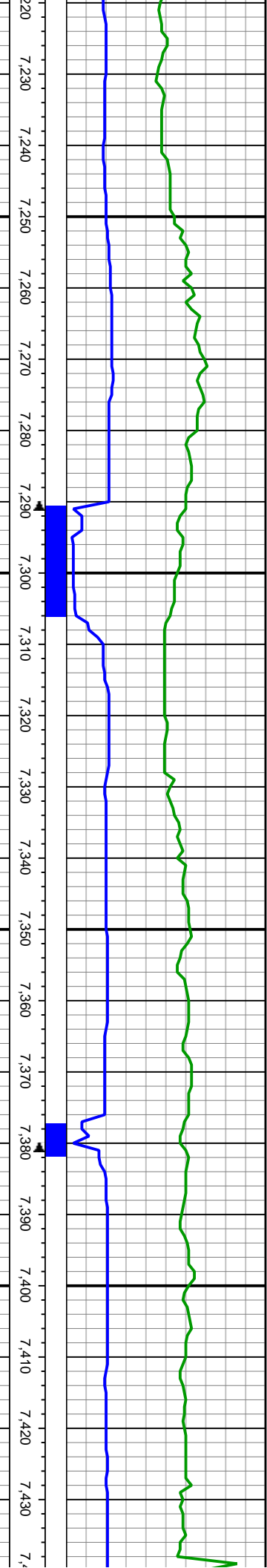
WOB: 29k
 RPM: 50
 SPM: 203
 PP: 3.950

MC
 INI
 AZ
 TV
 VS

70% MRLST: dk gry, sme
 dk-lt brn, frm-sl fri,
 blk-y-sb ang, sb ply, sb
 wxy lstr, calc: 33% CHK:
 lt gry-gry mot, tr offwht,
 fri, rhy tex, sb blk-y, arg, f
 mnica incl, calc

75% MRLST: dk gry, occ
 dk-lt brn, frm-sl fri, blk-y-sb
 ang, sb ply, sb wxy lstr,
 calc: 25% CHK: predy lt brn,
 lt gry-gry mot, sme offwht,
 fri, rhy tex, sb blk-y, arg, f
 mnica incl, calc





) : 7.225'
 C: 90.04°
 M: 87.1°
 D: 6.437.05'
 : 262.26'

MW/ IN: 9.6
 VIS IN: 61
 MW OUT: 9.5
 VIS OUT: 59

MD: 7.314'
 INC: 90.16°
 AZM: 88.5°
 TVD: 6.436.9'
 VS: 348.09'

WOB: 27k
 RPM: 50
 SPM: 204
 PP: 3.997

MD: 7.402'
 INC: 90.06°
 AZM: 88.0°
 TVD: 6.436.73'
 VS: 433.14'

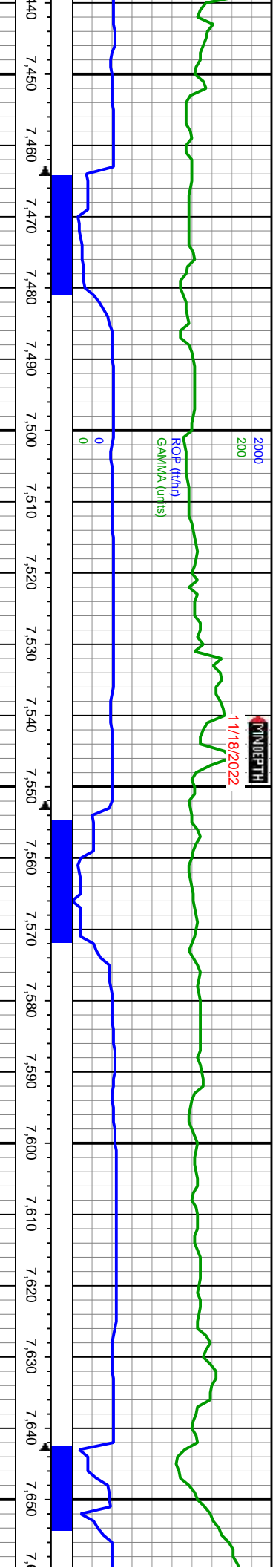
Poly Line froze, Replaced Frozen Line

858u

70% MRLST: dk gry, occ
 dk-lt brn, frm-sl fri,
 blkly-sb ang, sb plty, sb
 wxy lstr, calc, 30% CHK:
 predy lt brn, lt gry-gry
 mot, sme offwht, fri, rthy
 tex, sb blkly, arg, f
 mmica incl, calc

60% MRLST: dk gry, occ
 dk-lt brn, frm-sl fri,
 blkly-sb ang, sb plty, sb
 wxy lstr, calc, 40% CHK:
 predy lt brn, lt gry-gry
 mot, sme offwht, fri, rthy
 tex, sb blkly, arg, f
 mmica incl, calc



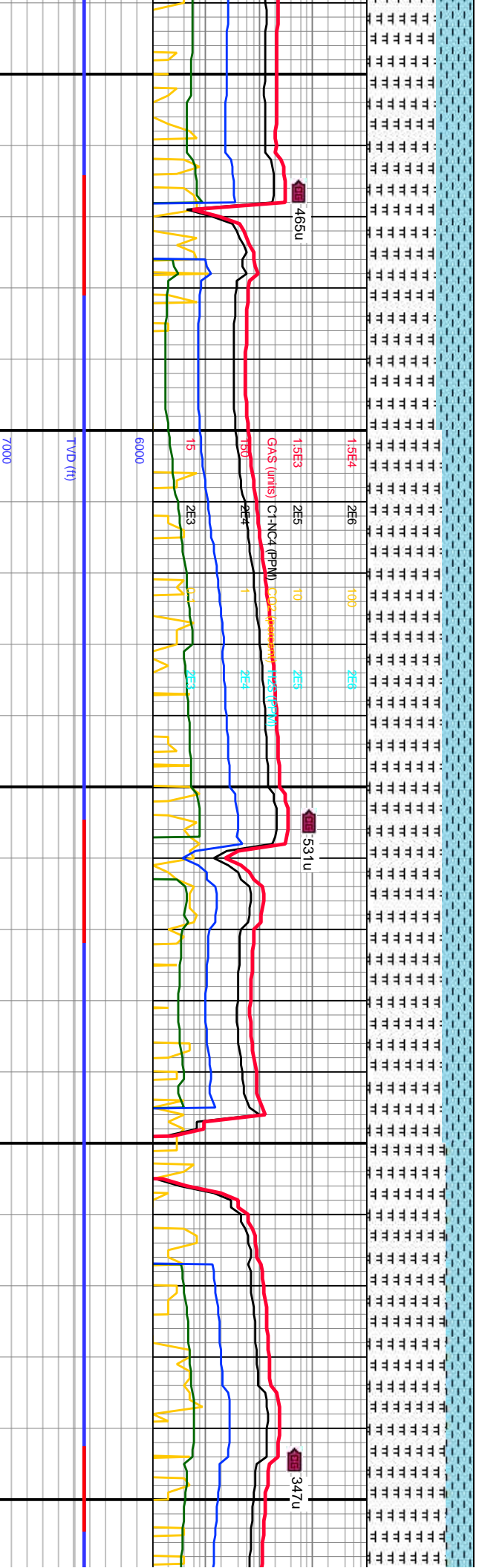


MD: 7.490'
 INC: 90.19°
 AZM: 89.0°
 TVD: 6.436.53'
 VS: 518.29'

MW IN: 9.5
 VIS IN: 58
 MW OUT: 9.5
 VIS OUT: 56

MD: 7.579'
 INC: 90.53°
 AZM: 89.4°
 TVD: 6.435.98'
 VS: 604.69'

WOB: 27k
 RPM: 50
 SPM: 204
 PP: 4.022

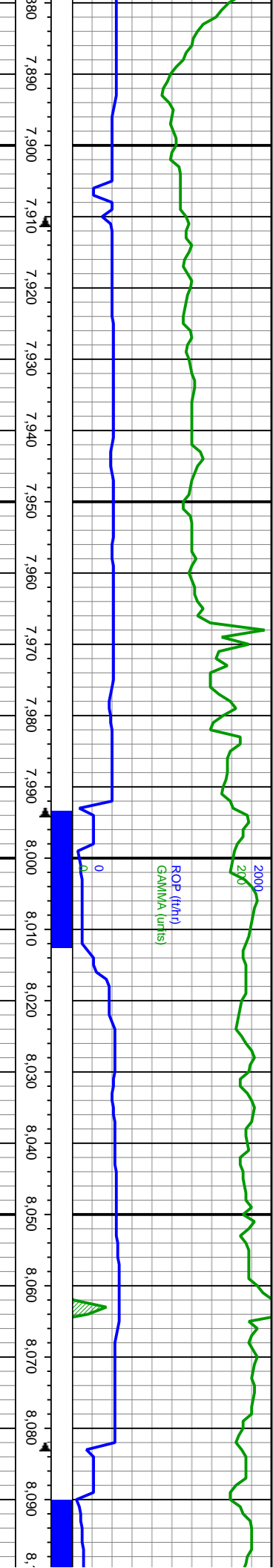


65% MRLST: dk gry, sme
 dk-lt brn, frm-sl fri,
 blk-y-sb ang, sb plty, sb
 wxy lstr, calc; 35% CHK:
 lt gry-gry mot, tr offwht,
 fri, rthy tex; sb blk-y, arg, f
 mnica incl, calc

60% MRLST: dk gry, occ
 dk-lt brn, frm-sl fri,
 blk-y-sb ang, sb plty, sb
 wxy lstr, calc; 40% CHK:
 predy lt brn, lt gry-gry
 mot, sme offwht, fri, rthy
 tex, sb blk-y, arg, f
 mnica incl, calc



6000
 TVD (ft)
 7000

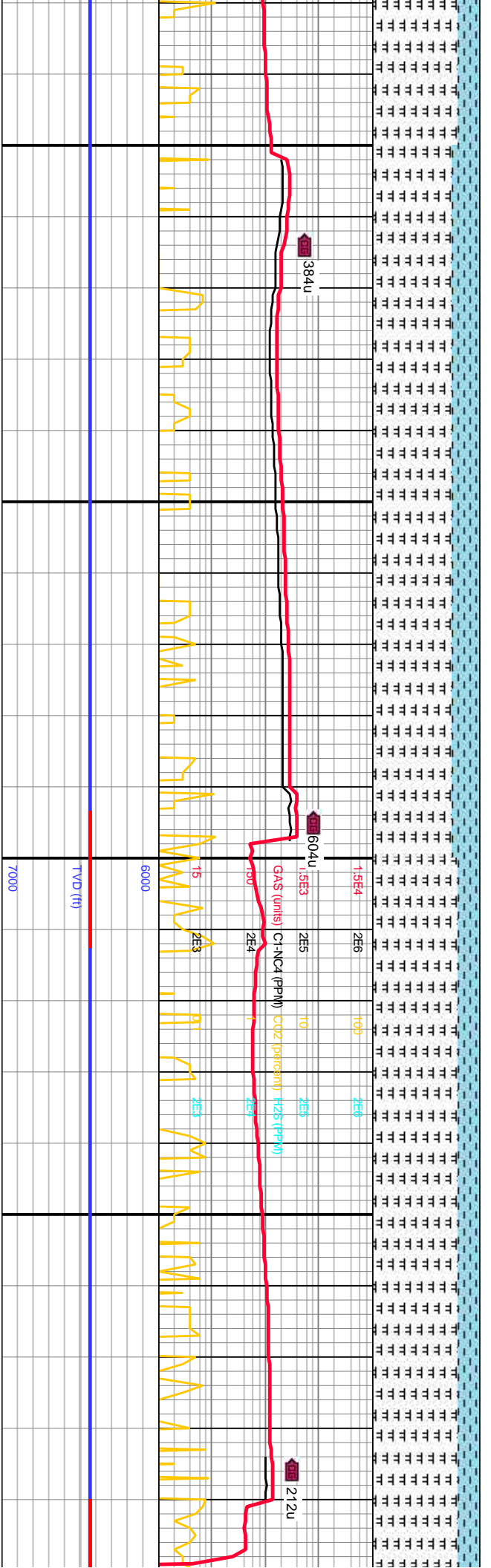


MD: 7.932'
INC: 88.66°
AZM: 86.4°
TVD: 6,435.14'
VS: 945.25'

MW IN: 9.6
VIS IN: 58
MW OUT: 9.5
VIS OUT: 57

WOB: 20K
RPM: 0
SPM: 204
PP: 3.274

MD: 8.021'
INC: 88.23°
AZM: 87.4°
TVD: 6,437.55'
VS: 1,030.67'

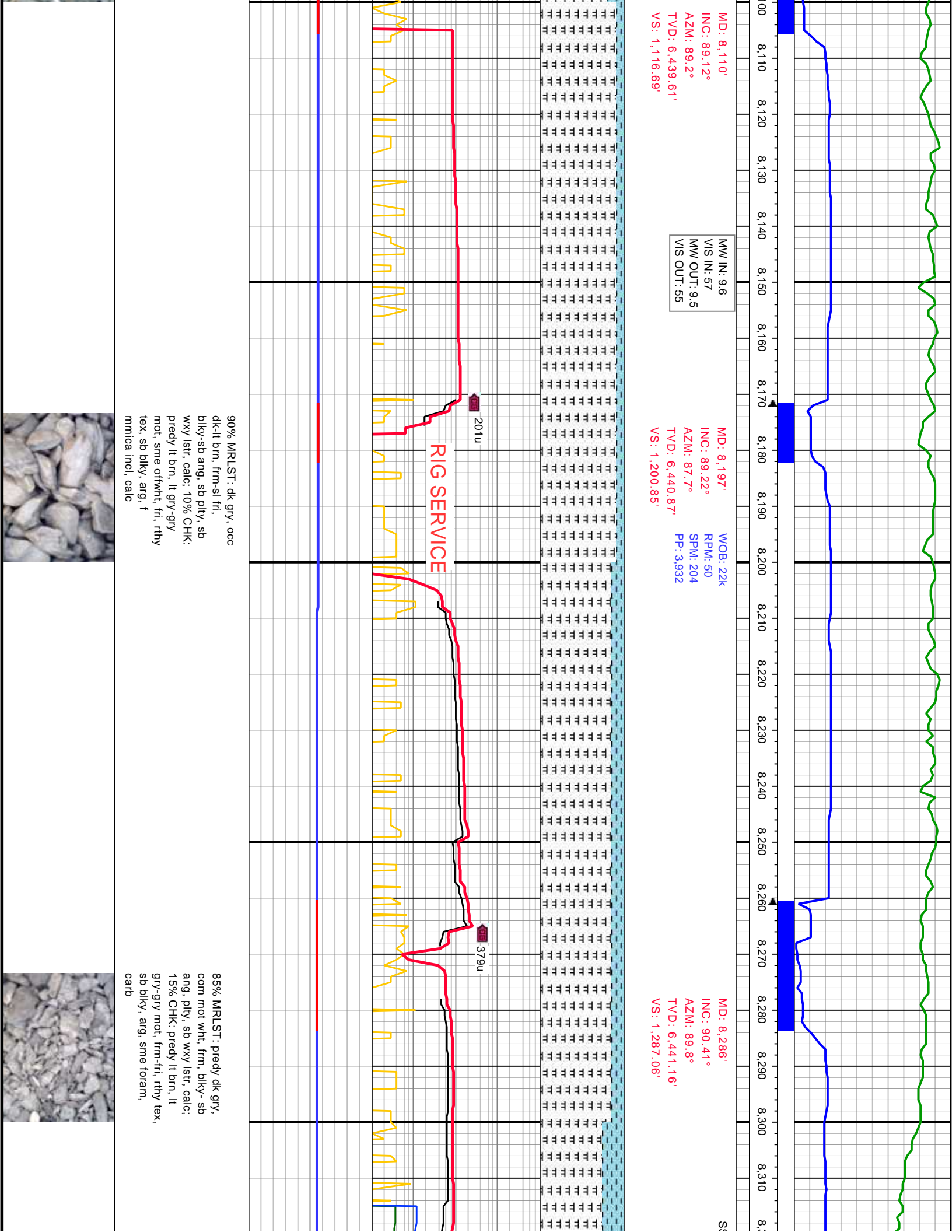


75% MRLST: dk gry, sme
dk-lt brn, frm-sl fri,
ang, sb plty, sb
calc: 25% CHK: 20%
It gry-gry mot, tr ofwht,
fri, rthy tex, sb blkly, arg, f
m mica incl, calc

75% MRLST: dk gry, occ
dk-lt brn, frm-sl fri, blkly-sb
ang, sb plty, sb wxy lsfr,
calc: 25% CHK: 20%
It gry-gry mot, sme ofwht,
fri, rthy tex, sb blkly, arg, f
m mica incl, calc

80% MRLST: dk gry, sme
dk-lt brn, frm-sl fri,
blkly-sb ang, sb plty, sb
wxy lsfr, calc: 20%
It gry-gry mot, tr ofwht,
fri, rthy tex, sb blkly, arg, f
m mica incl, calc





MD: 8,110'
 INC: 89.12°
 AZM: 89.2°
 TVD: 6,439.61'
 VS: 1,116.69'

MW IN: 9.6
 VIS IN: 57
 MW OUT: 9.5
 VIS OUT: 55

MD: 8,197'
 INC: 89.22°
 AZM: 87.7°
 TVD: 6,440.87'
 VS: 1,200.85'

WOB: 22k
 RPM: 50
 SPM: 204
 PP: 3.932

MD: 8,286'
 INC: 90.41°
 AZM: 89.8°
 TVD: 6,441.16'
 VS: 1,287.06'

201u

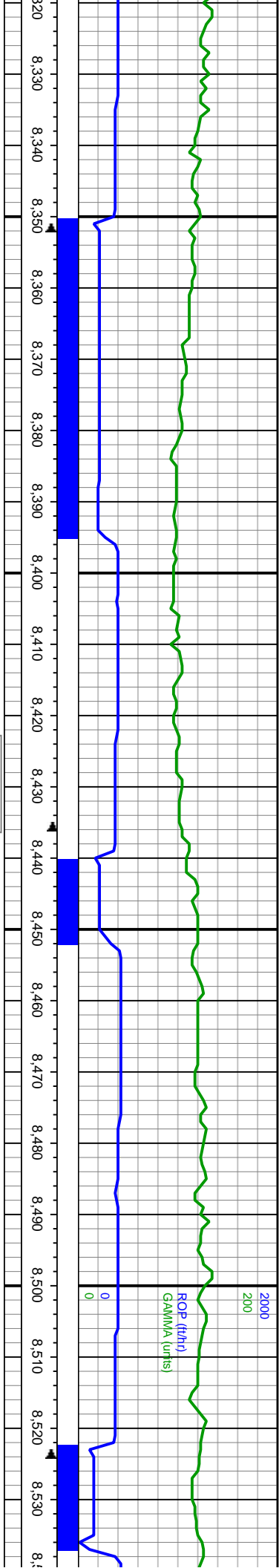
RIG SERVICE

379u

90% MRLST: dk gry, occ
 dk-lt brn, frm-sl fri,
 blkly-sb ang, sb plty, sb
 wxy lstr, calc; 10% CHK:
 predy lt brn, lt gry-gry
 mot, sme ofwht, fri, rthy
 tex, sb blkly, arg, f
 mnica incl, calc

85% MRLST: predy dk gry,
 com mot wht, frm, blkly-sb
 ang, plty, sb wxy lstr, calc;
 15% CHK: predy lt brn, lt
 gry-gry mot, frm-fri, rthy tex,
 sb blkly, arg, sme foram,
 carb



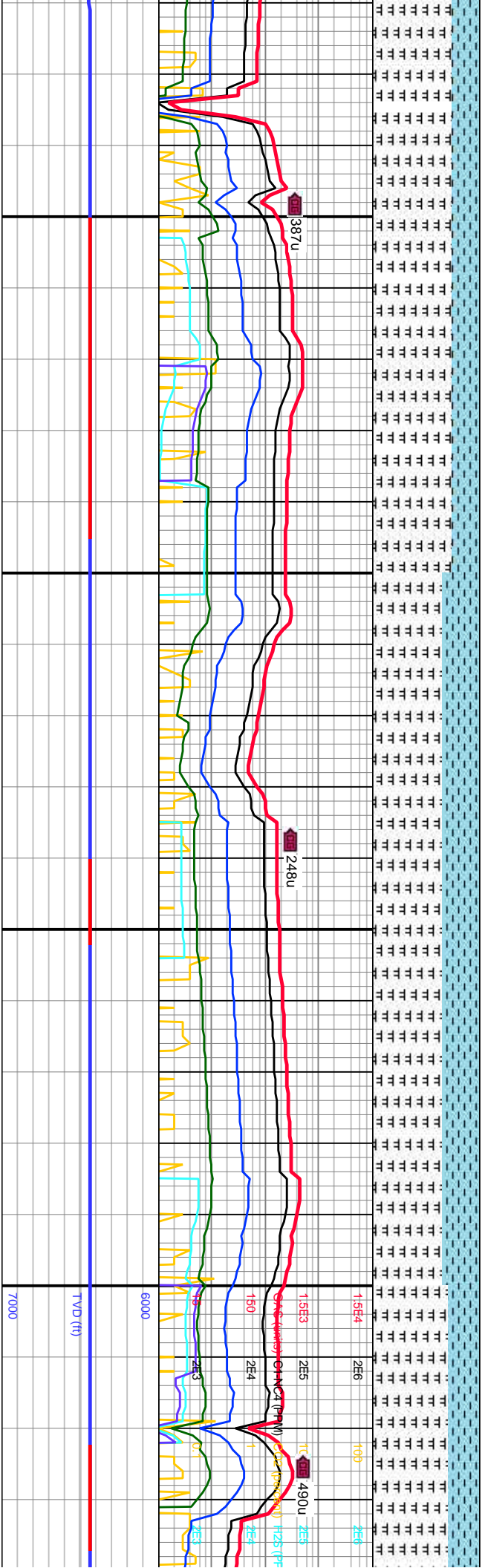


MD: 8,375'
INC: 90.41°
AZM: 89.0°
TVD: 6,440.52'
VS: 1,373.52'

WOB: 28K
RPM: 50
SPM: 204
PP: 4.085

MW IN: 9.5
VIS IN: 58
MW OUT: 9.5
VIS OUT: 57

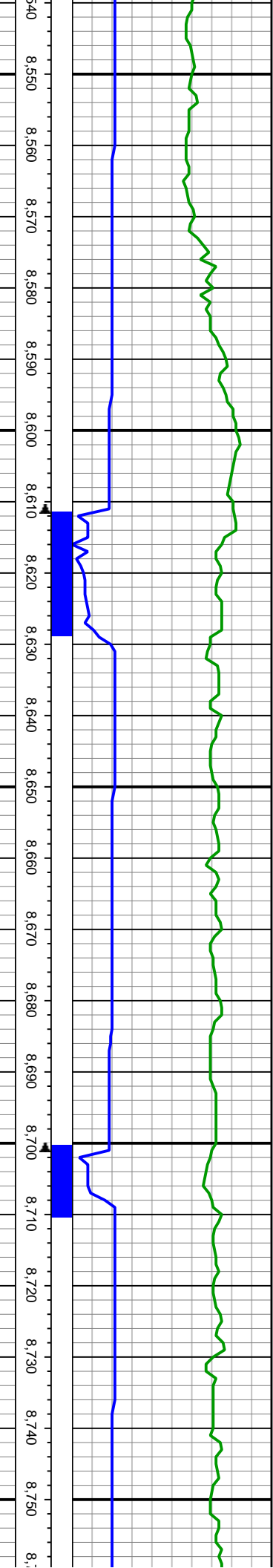
MD: 8,463'
INC: 90.72°
AZM: 88.6°
TVD: 6,439.66'
VS: 1,458.79'



75% MRLST: predy dk gry, com mot wht, frm, blk- sb ang, plty, sb wxy lst, calc; 25% CHK: predy lt brn, lt gry-gry mot, frm-fri, rthy tex, sb blk, arg, sme foram, carb

65% MRLST: predy dk gry, com mot wht, frm-fri, blk- sb ang, sb wxy lst, calc; 35% CHK: predy lt brn, lt gry-gry mot, frm-fri, rthy tex, sb blk, arg, carb





MD: 8,551'
 INC: 90.83°
 AZM: 88.1°
 TVD: 6,438.46'
 VS: 1,543.88'

MOB: 22K
 RPM: 50
 SPM: 204
 PP: 3.990

MD: 8,640'
 INC: 89.55°
 AZM: 88.4°
 TVD: 6,438.17'
 VS: 1,629.89'

MW IN: 9.6
 MW OUT: 9.6
 VIS OUT: 69

MD: 8,728'
 INC: 89.1°
 AZM: 87.3°
 TVD: 6,439.21'
 VS: 1,714.77'



160u

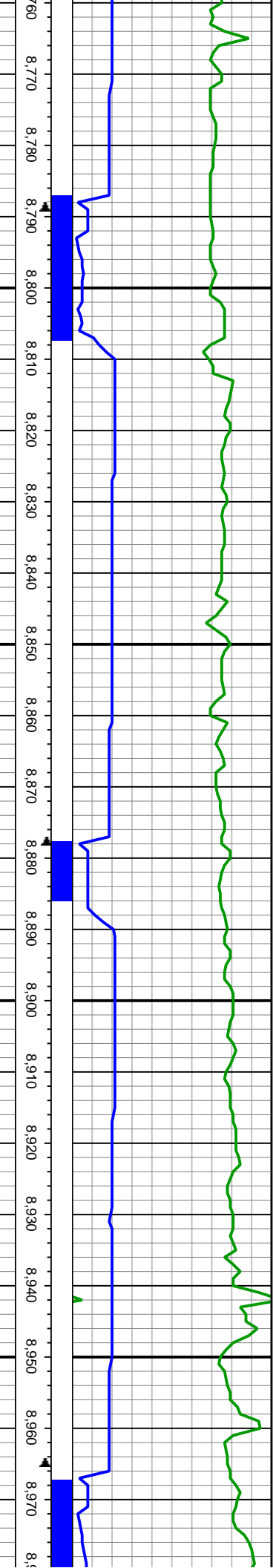
POLY-FLOW FROZE AT TRAP

422u

70% MRLST: predy dk gry,
 com mot wht, frm, blk- sb
 ang, plty, sb wxy lstr, calc;
 30% CHK: predy lt brn, lt
 gry-gry mot, frm-fri, rthy tex,
 sb blk, arg, sme foram

80% MRLST: predy dk gry,
 com mot wht, frm, blk- sb
 ang, plty, sb wxy lstr, calc;
 20% CHK: predy lt brn, lt
 gry-gry mot, sl frm-fri, rthy
 tex, sb blk, arg, sme
 foram, carb





WOB: 25K
 RPM: 0
 SPM: 204
 PP: 3.559
 MD: 8,817'
 INC: 89.39°
 AZM: 88.3°
 TVD: 6,440.38'
 VS: 1,800.6'

MD: 8,904'
 INC: 89.33°
 AZM: 87.7°
 TVD: 6,441.35'
 VS: 1,884.59'

MW IN: 9.6
 MW OUT: 60
 VIS OUT: 60

MD:
 INC:
 AZM:
 TVD:
 VS:



449u

1041u

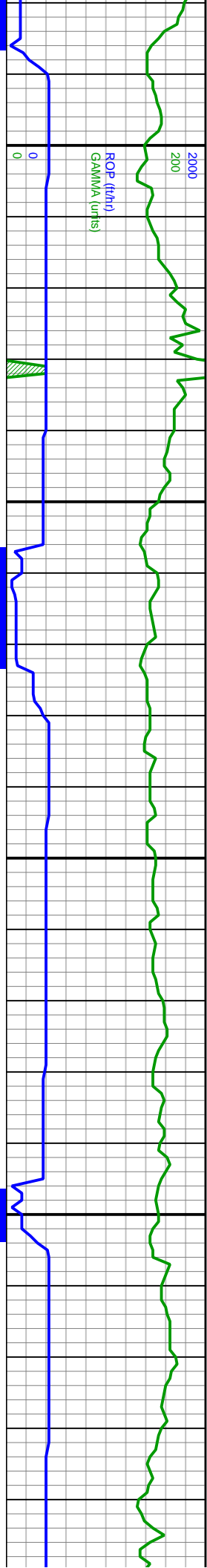
1359u

75% MRLST: predy dk gry,
 com mot wht, frm, blk-y-sb
 ang, tr ply, sb wxy lst,
 calc: 25% CHK: predy lt
 brn, lt gry-gry mot, frm-fri,
 rthy tex, sb blk-y, sil arg,
 sme foram

80% MRLST: predy dk gry,
 com mot wht, frm-fri, blk-y-
 sb ang, sb wxy lst, calc:
 20% CHK: predy lt brn, lt
 gry-gry mot, frm-fri, rthy
 tex, sb blk-y, arg, carb

75% M
 com m
 ang, pl
 25% C
 gry-gry
 sb blk-y



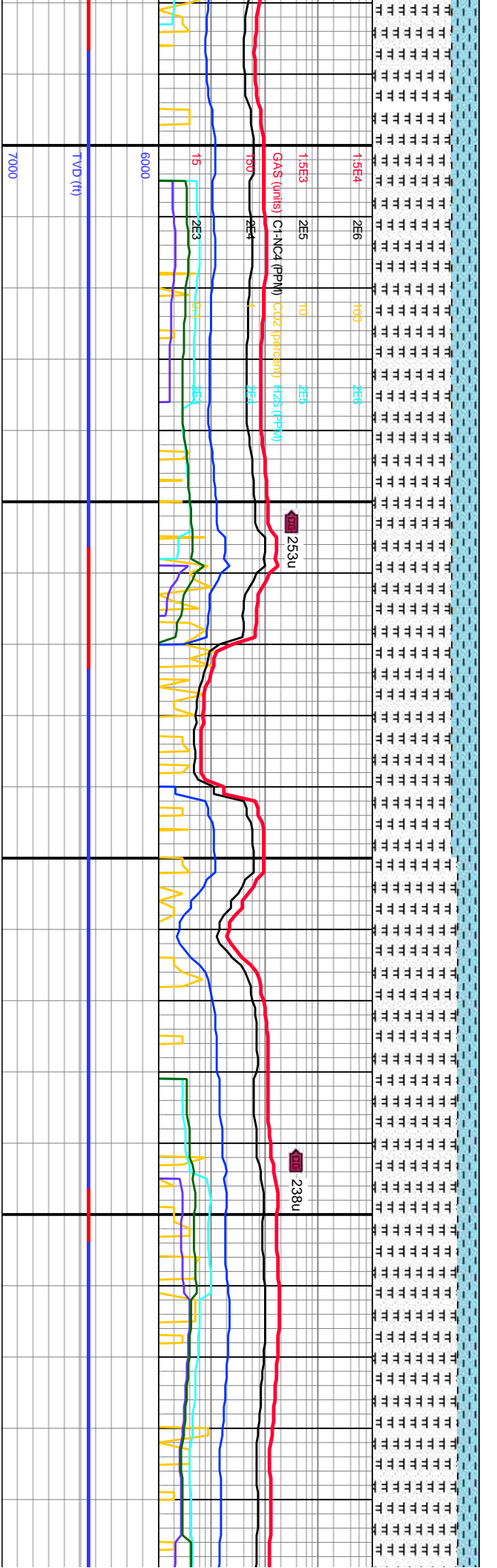


8,992' MOB: 25K
88.69° RPM: 50
89.3° SPM: 204
6,442.87' PP: 4.090
1,969.73'

MD: 9,080'
INC: 90.36°
AZM: 89.1°
TVD: 6,443.6'
VS: 2,055.14'

MW IN: 9.6
VIS IN: 60
MW OUT: 9.6
VIS OUT: 60

MD: 9,169'
INC: 90.51°
AZM: 88.2°
TVD: 6,442.93'
VS: 2,141.31'



75% MRLST: predy dk gry,
com mot wht, frm, blk-y-sb
ang, ply, sb wxy lstr, calc;
25% CHK: predy lt brn, lt
gry-gry mot, sl frm-fri, rthy
tex, sb blk-y, arg, sme
foram, carb

80% MRLST: predy dk gry,
com mot wht, frm, blk-y-sb
ang, tr ply, sb wxy lstr,
calc; 20% CHK: Pedy lt
brn, lt gry-gry mot, frm-fri,
rthy tex, sb blk-y, sli arg,
sme foram

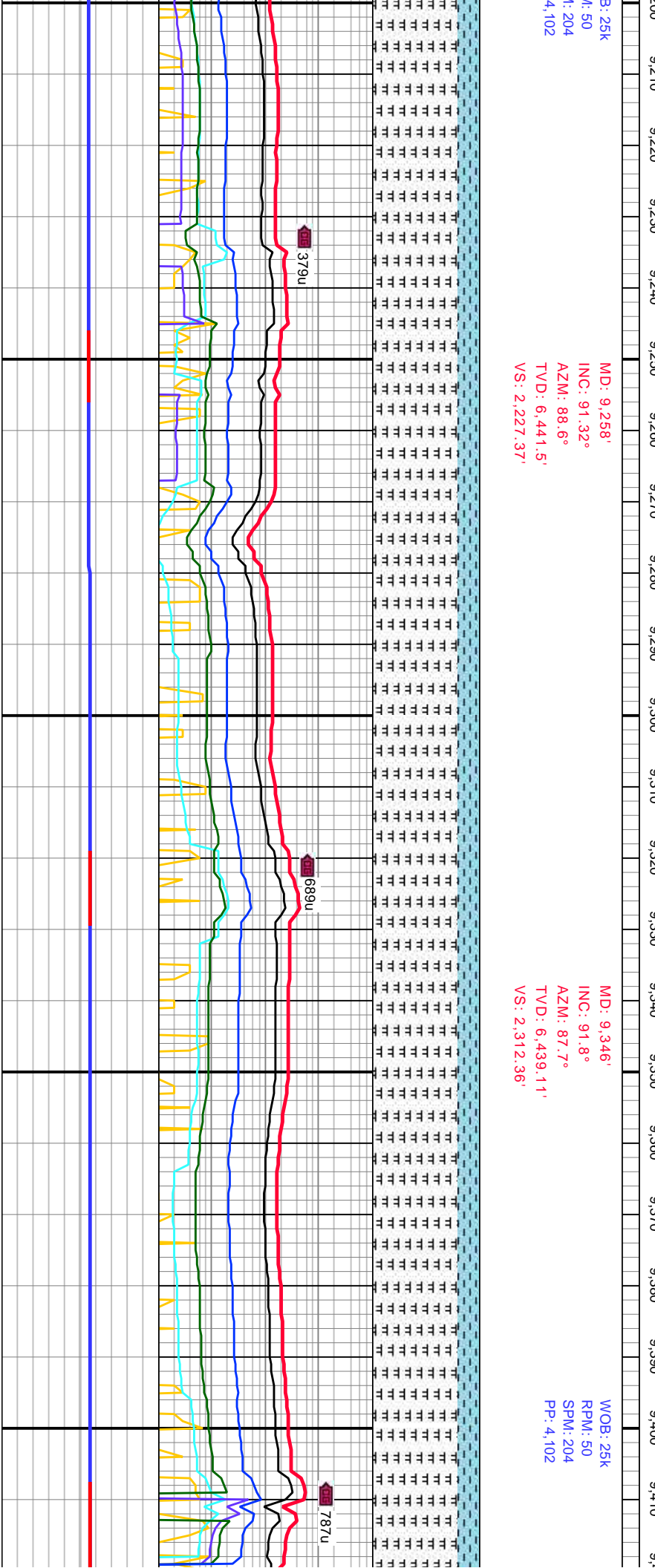


3: 25K
i: 50
1: 204
4: 102

MD: 9,258'
INC: 91.32°
AZM: 88.6°
TVD: 6,441.5'
VS: 2,227.37'

MD: 9,346'
INC: 91.8°
AZM: 87.7°
TVD: 6,439.11'
VS: 2,312.36'

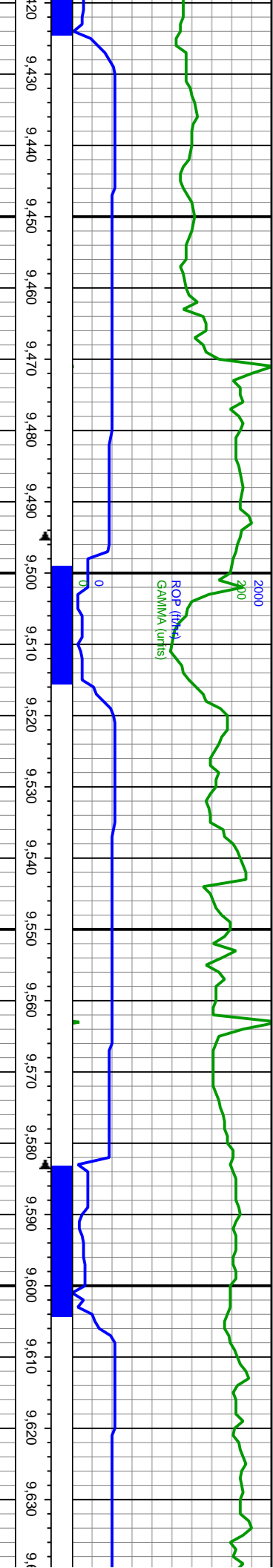
WOB: 25K
RPM: 50
SPM: 204
PP: 4,102



80% MRLST: predy dk gry,
com mot wht, frm-fri, blkv-
sb ang, sb wxy lstr, calc;
20% CHK: predy lt brn, lt
gry-gry mot, frm-fri, rthy
tex, sb blkv, arg, carb

80% MRLST: predy dk gry,
com mot wht, frm, blkv- sb
ang, plty, sb wxy lstr, calc;
20% CHK: predy lt brn, lt
gry-gry mot, frm-fri, rthy tex,
sb blkv, arg, sme foram





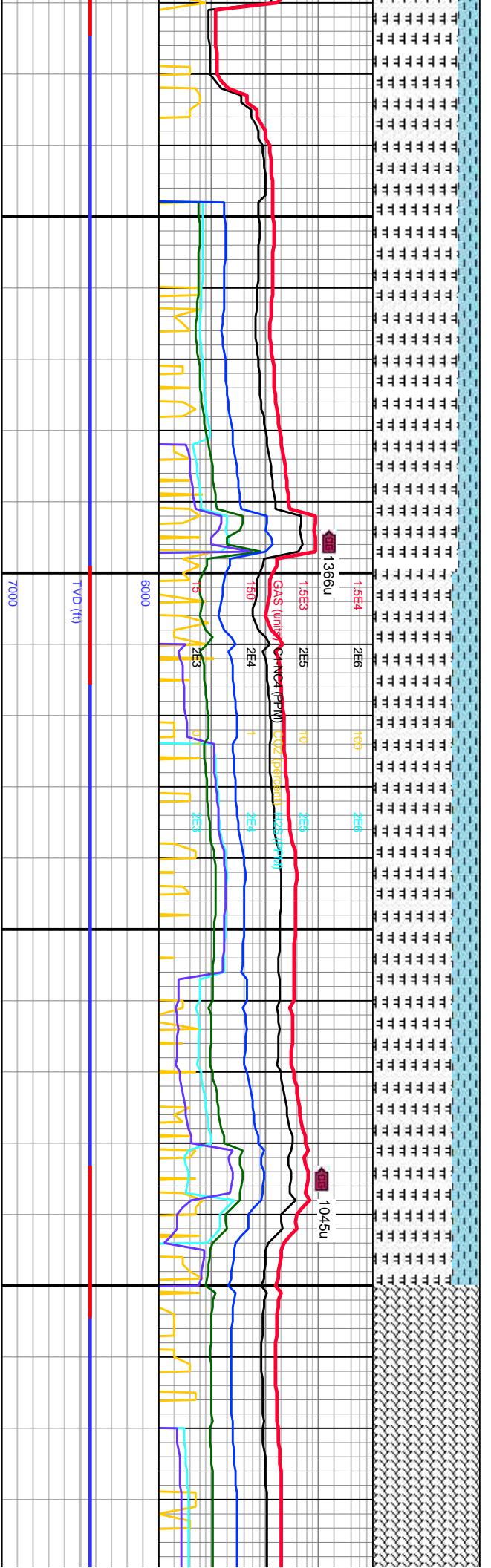
MD: 9,434'
INC: 91.07°
AZM: 87.6°
TVD: 6,436.9'
VS: 2,397.16'

MW IN: 9.6
VIS IN: 60
MW OUT: 9.6
VIS OUT: 60

MD: 9,522'
INC: 89.88°
AZM: 87.8°
TVD: 6,436.18'
VS: 2,481.98'

WOB: 25k
RPM: 50
SPM: 204
PP: 4,102

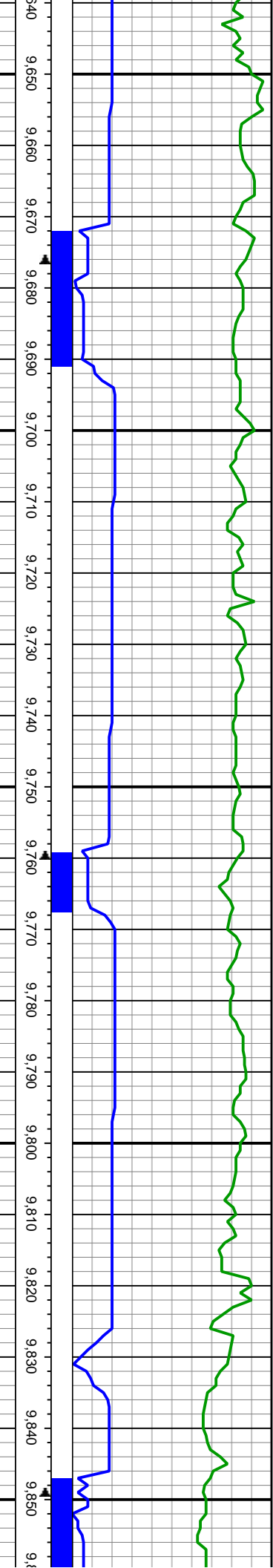
MD: 9,610'
INC: 89.32°
AZM: 88.7°
TVD: 6,436.79'
VS: 2,567.02'



80% MRLST: predy dk gry,
com mot wht, frm, blkly-sb
ang, tr pily, sb wxy lstr,
calc: 20% CHK: predy lt
brn, lt gry-gry mot, frm-fri,
rthy tex, sb blkly, sil arg,
sme foram

75% MRLST: predy dk gry,
com mot wht, frm, blkly-sb
ang, pily, sb wxy lstr, calc:
25% CHK: predy lt brn, lt
gry-gry mot, sl frm-fri, rthy
tex, sb blkly, arg, sme
foram



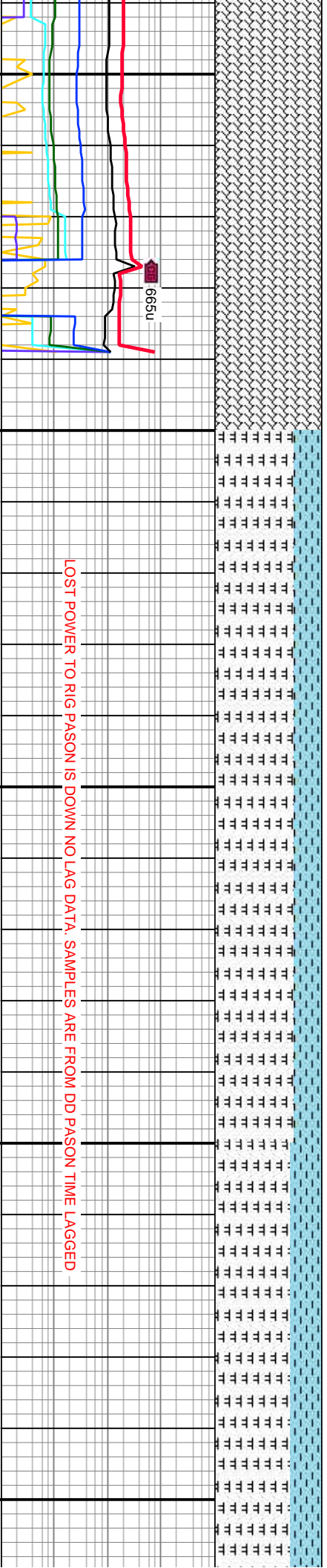


MD: 9,699'
 INC: 90.16°
 AZM: 90.4°
 TVD: 6,437.19'
 VS: 2,653.52'

MD: 9,788'
 INC: 90.08°
 AZM: 88.6°
 TVD: 6,437.01'
 VS: 2,740'

WOB: 25K
 RPM: 50
 SPM: 204
 PP: 4.102

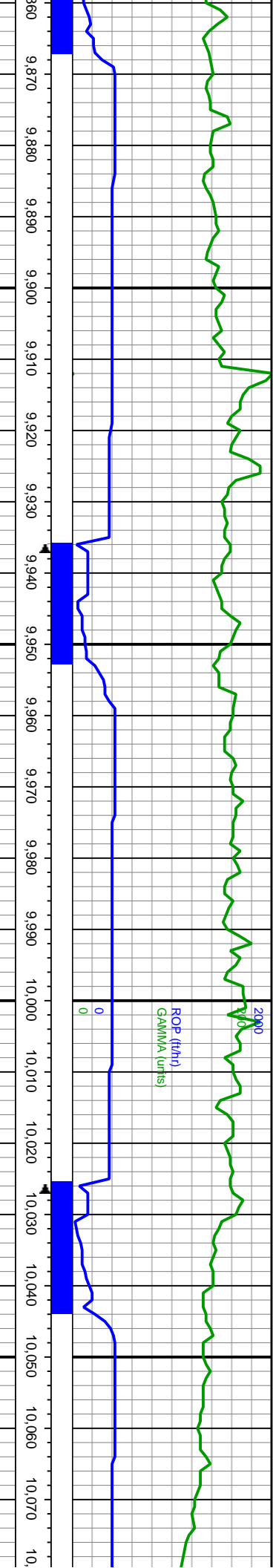
MD: 9
 INC: 9
 AZM: 1
 TVD: 1
 VS: 2



LOST POWER TO RIG PASON IS DOWN NO LAG DATA. SAMPLES ARE FROM DD PASON TIME LAGGED

75% MRLST: predy dk gry,
 com mot wht, frm, blk- sb
 ang, pily, sb wxy lstr, calc;
 25% CHK: predy lt brn, lt
 gry-gry mot, frm-fri, rthy tex,
 sb blk, arg, sme foram





MW IN: 9.7
 VIS IN: 60
 MW OUT: 9.7
 VIS OUT: 60

MD: 9,965'
 INC: 89.68°
 AZM: 89.8°
 TVD: 6,437.15'
 VS: 2,911.77'

WOB: 20K
 RPM: 50
 SPM: 204
 PP: 4,098

MD: 10,053'
 INC: 90.81°
 AZM: 88.3°
 TVD: 6,436.77'
 VS: 2,997.13'



PASON IS DOWN NO LAG DATA. SAMPLES ARE FROM DD PASON TIME LAGGED

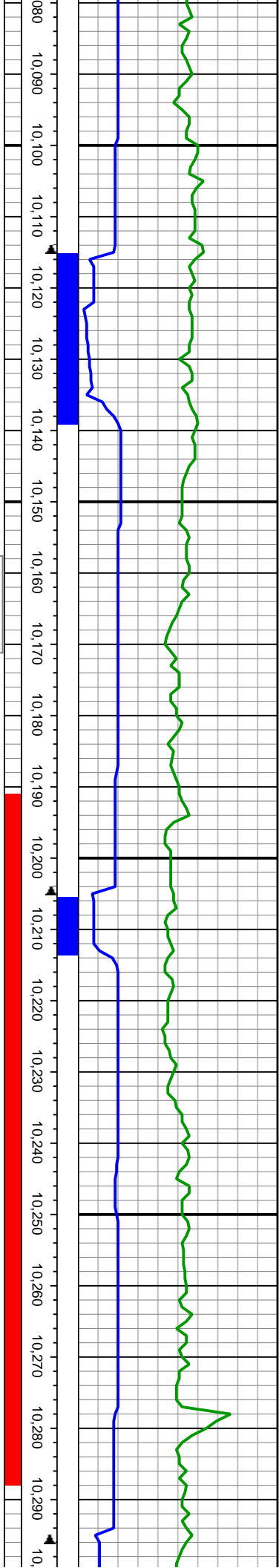
15E3	2E5	10	2E5
GAS (units)	CH4 (ppm)	CO2 (percent)	H2S (ppm)
150	2E4	1	2E4
15E4	2E6	100	2E6
15	2E3	0.1	2E3

70% MRLST: predy dk gry,
 com mot wht, frm, blk-y-sb
 ang, tr ply, sb wxy lstf,
 calc: 30% CHK: predy lt
 brn, lt gry-gry mot, frm-fri,
 rthy tex: sb blk-y, slt arg,
 sme foram

75% MRLST: predy dk gry,
 com mot wht, frm-fri, blk-y-
 sb ang, sb wxy lstf, calc:
 25% CHK: predy lt brn, lt
 gry-gry mot, frm-fri, rthy tex,
 sb blk-y, arg, carb

80% MRLST: predy dk gry,
 com mot wht, frm-fri, blk-y-
 ang, tr ply, sb wxy lstf,
 calc: 30% CHK: predy lt
 brn, lt gry-gry mot, frm-fri,
 rthy tex: sb blk-y, slt arg,
 sme foram



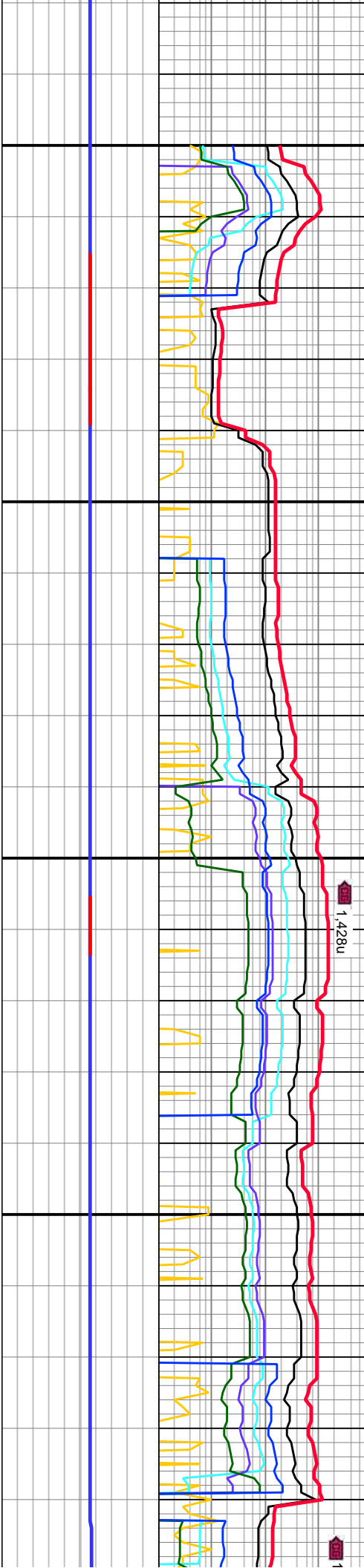
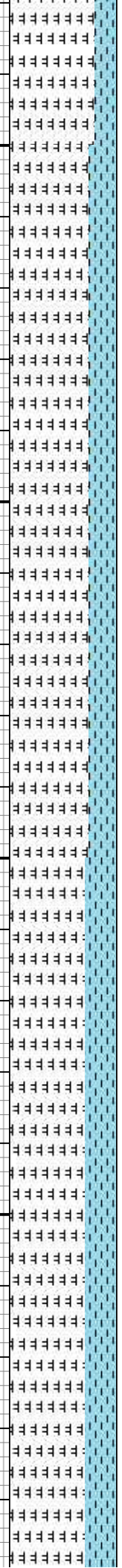


MD: 10,142'
 INC: 91.42°
 AZM: 89.2°
 TVD: 6,435.04'
 VS: 3,083.33'

MW IN: 9.7
 MW OUT: 9.7
 VIS OUT: .60

WOB: 29k
 RPM: 50
 SPM: 204
 PP: 4.308

MD: 10,230'
 INC: 91.69°
 AZM: 88.7°
 TVD: 6,432.65'
 VS: 3,168.6'

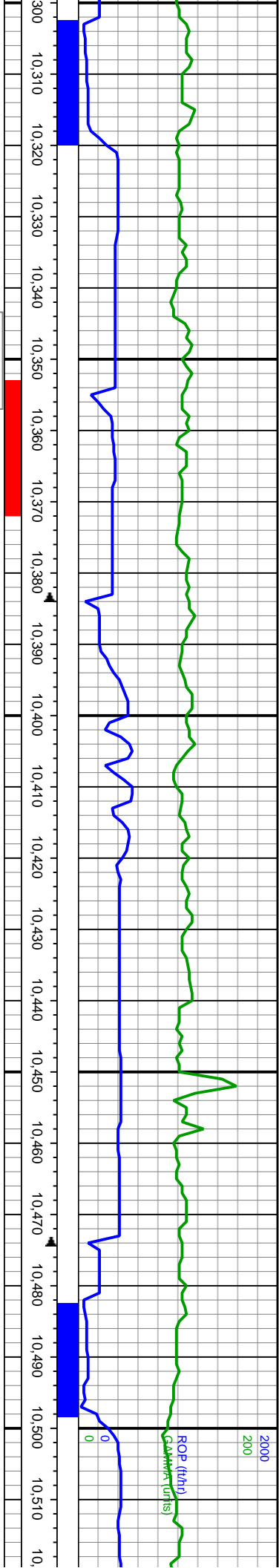


MRLST: predy dk gry,
 tot wht, frm, blkly-sb
 ply, sb wxy lstr,
 20% CHK: predy lt
 gry-gry mot, frm-fri,
 xx, sb blkly, sli arg,
 cran

75% MRLST: predy dk gry,
 com mot wht, frm-fri, blkly-
 sb ang, sb wxy lstr, calc;
 25% CHK: predy lt brn, lt
 gry-gry mot, frm-fri, rthy tex,
 sb blkly, arg, carb

70% MRLST: predy dk gry,
 com mot wht, frm, blkly-sb
 ang, tr ply, sb wxy lstr,
 calc; 30% CHK: predy lt
 brn, lt gry-gry mot, frm-fri,
 rthy tex, sb blkly, sli arg,
 sme foran



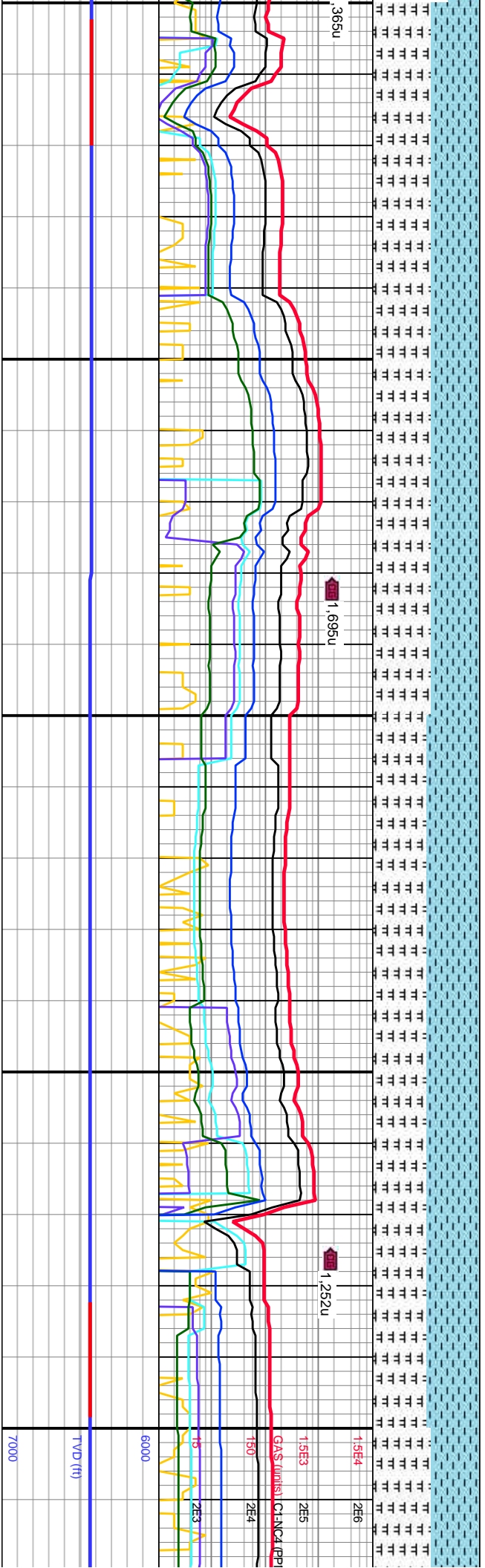


MD: 10,319'
 INC: 89.8°
 AZM: 89.6°
 TVD: 6,431.49'
 VS: 3,254.96'

MW IN: 9.7
 VIS IN: 59
 MW OUT: 9.6
 VIS OUT: 56

WOB: 37k MD: 10,407'
 RPM: 50 INC: 89.6°
 SPM: 203 AZM: 88.8°
 PP: 4.613 TVD: 6,431.96'
 VS: 3,340.38'

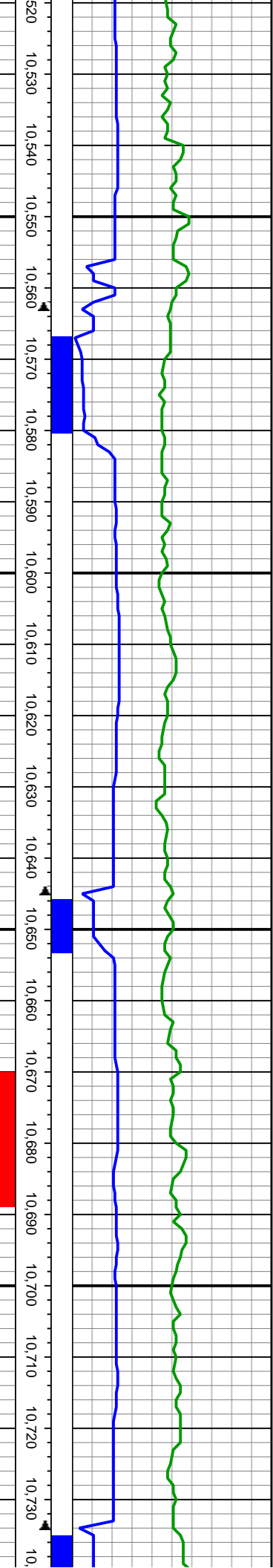
MD: 10,496'
 INC: 89.53°
 AZM: 88.6°
 TVD: 6,432.63'
 VS: 3,426.58'



55% MRLST: dk gry, ooc
 dk-lt brn, frm-sl fri,
 blkly-sb ang, sb plty, sb
 wxy lst, calc, 45% CHK:
 preyd lt brn, lt gry-gry
 mot, sme offwhit, fri, rthy
 tex, sb blkly, arg, f
 mnica incl, calc

50% MRLST: preyd dk gry,
 com mot wht, frm-fri, blkly-
 sb ang, sb wxy lst, calc:
 50% CHK: preyd lt brn, lt
 gry-gry mot, frm-fri, rthy tex,
 sb blkly, arg, carb





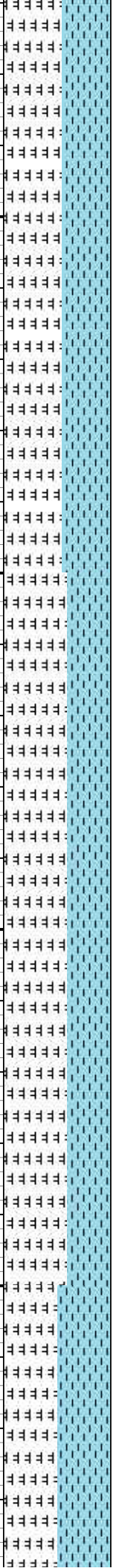
MW IN: 9.7
 VIS IN: 59
 MW OUT: 9.6
 VIS OUT: 56

MD: 10,585'
 INC: 90.52°
 AZM: 89.6°
 TVD: 6,432.59'
 VS: 3,512.93'

WOB: 26k
 RPM: 50
 SPM: 203
 PP: 4.388

MD: 10,674'
 INC: 90.9°
 AZM: 88.8°
 TVD: 6,431.49'
 VS: 3,599.31'

MW IN: 9.7
 VIS IN: 64
 MW OUT: 9.7
 VIS OUT: 62

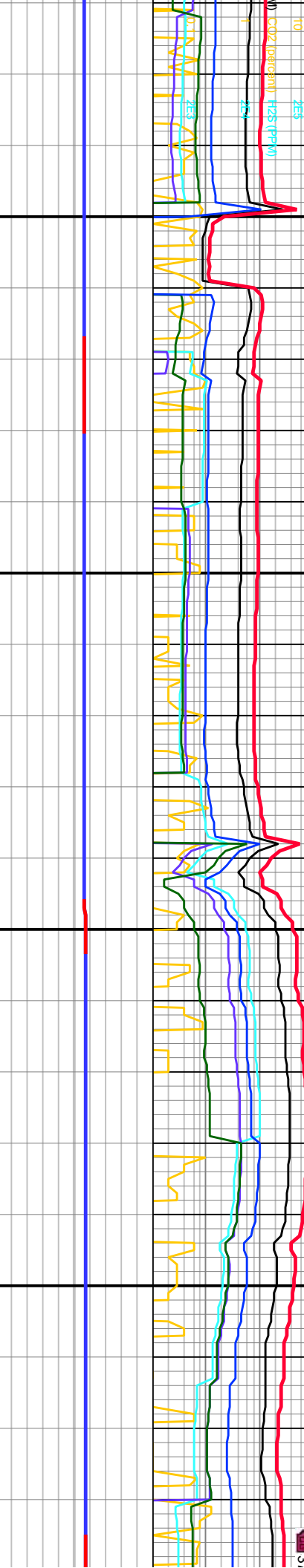


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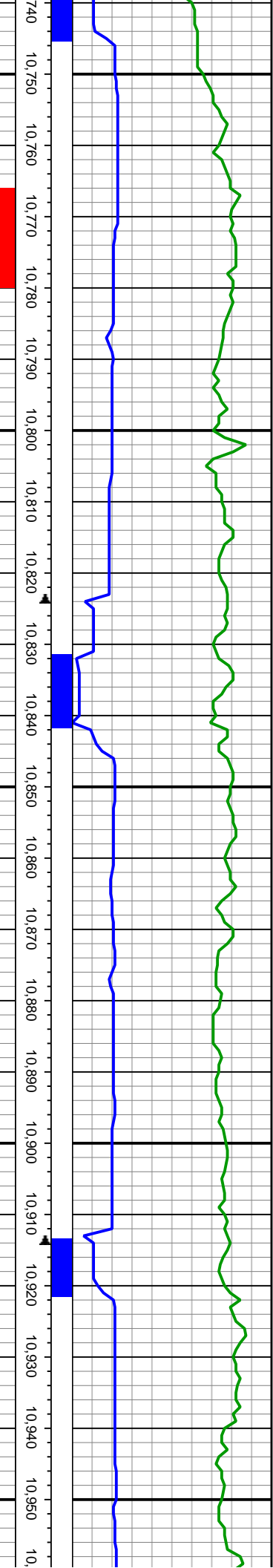
31



55% MRLST: predy dk gry,
 com mot wht, frm, blkly-sb
 ang, tr ply, sb wxy lstr,
 calc: 45% CHK: predy lt
 brn, lt gry-gry mot, frm-fri,
 rthy tex, sb blkly, sli arg,
 sme foram

60% MRLST: dk gry, occ
 dk-lt brn, frm-sl fri,
 blkly-sb ang, sb ply, sb
 wxy lstr, calc: 40% CHK:
 predy lt brn, lt gry-gry
 mot, sme ofwht, fri, rthy
 tex, sb blkly, arg, f
 mnica incl, calc





MD: 10,763'
 INC: 90.93°
 AZM: 88.0°
 TVD: 6,430.07'
 VS: 3,685.39'

WOB: 35k
 RPM: 50
 SPM: 204
 PP: 4.463

MD: 10,852'
 INC: 89.49°
 AZM: 88.1°
 TVD: 6,429.74'
 VS: 3,771.32'

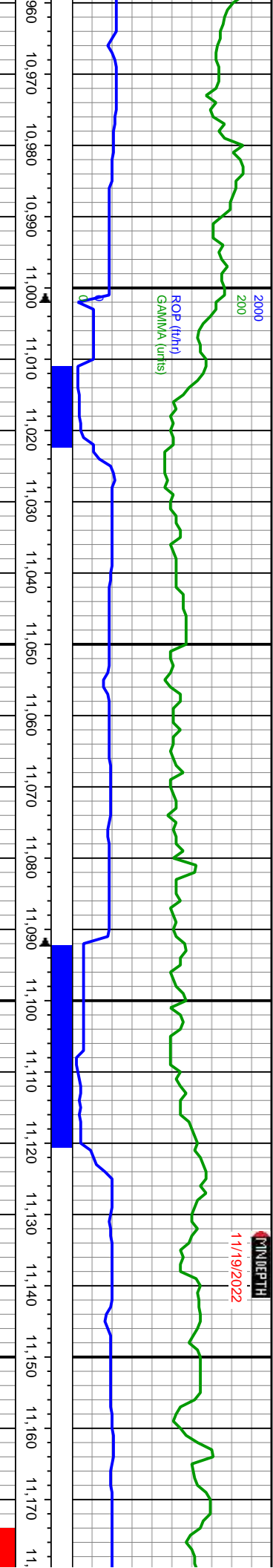
MW IN: 9.7
 VIS IN: 58
 MW OUT: 9.7
 VIS OUT: 56

Frozen Poly Flow Line

50% MRLST: predy dk gry,
 com mot wht, frm-fri, blk-
 sb ang, sb wxy lstr, calc;
 50% CHK: predy lt brn, lt
 gry-gry mot, frm-fri, rthy tex,
 sb blk, arg, carb

60% CHK: predy lt brn, lt
 gry-gry mot, sme offwht,
 frm-fri, sb blk, arg, carb, tr
 free chk frags: 40% MRLST:
 predy dk gry, occ dk-lt brn,
 com mot wht, frm, blk-sb
 ang, sb plty, calc

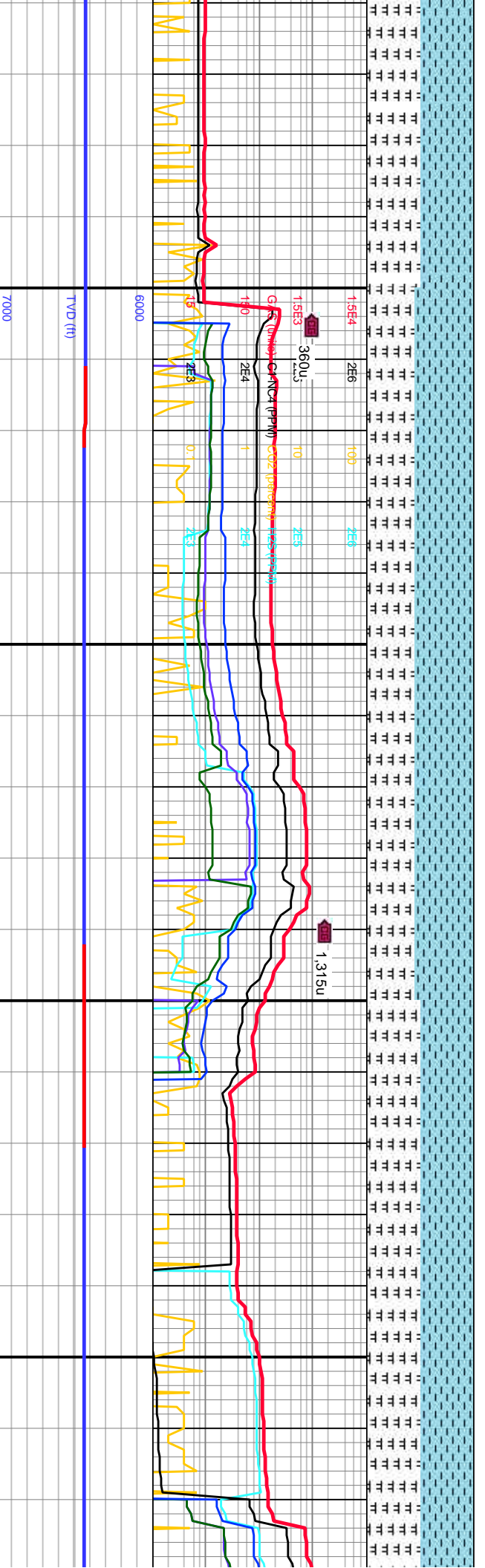




MOB: 31K
 RPM: 50
 SPM: 203
 PP: 4.362

MD: 11,117'
 INC: 89.69°
 AZM: 89.8°
 TVD: 6,433.03'
 VS: 4,027.23'

MW IN: 9.6+
 VIS IN: 58
 MW OUT: 9.7
 VIS OUT: 55

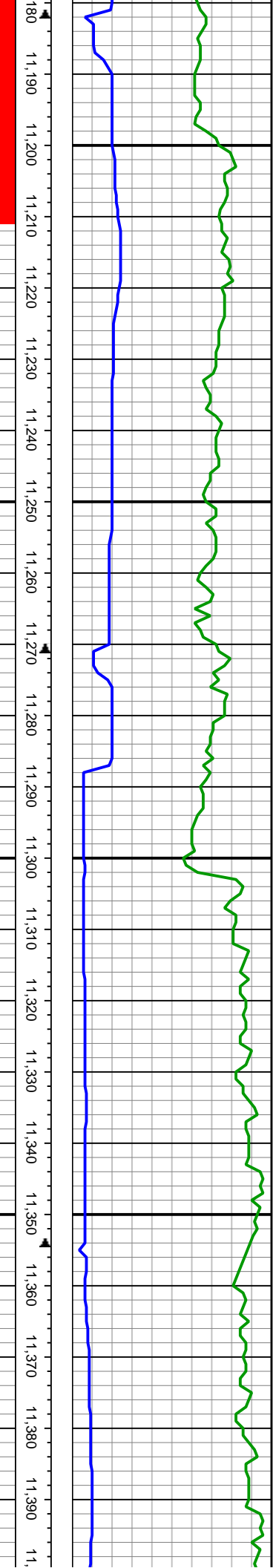


50% MRLST: predy dk gry,
 com mot wht, frm, blk-y-sb
 ang, tr pily, sb wxy lstr,
 calc: 50% CHK: predy lt
 brn, lt gry-gry mot, frm-fri,
 rthy tex, sb blk-y, sil arg,
 sme foran

55% CHK: predy lt brn, lt
 gry-gry mot, sme offwht,
 frm-fri, sb blk-y, arg, carb, tr
 free chk frags: 45% MRLST:
 predy dk gry, occ dk-lt brn,
 com mot wht, frm, blk-y-sb
 ang, sb pily, calc

50% N
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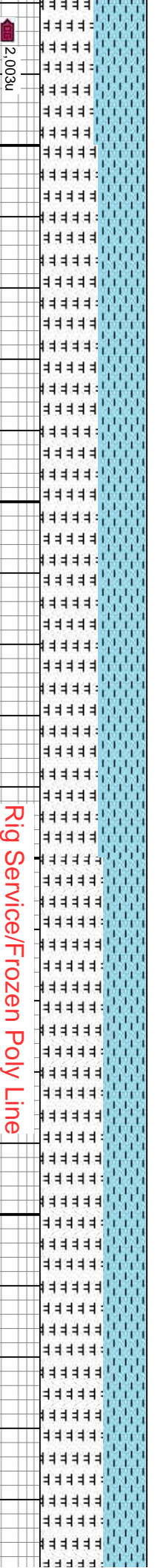


WOB: 23k MD: 11,205'
 RPM: 50 INC: 90.5°
 SPM: 203 AZM: 89.2°
 PP: 4.312 TVD: 6,432.89'
 VS: 4,112.76'

MD: 11,293'
 INC: 90.03°
 AZM: 88.0°
 TVD: 6,432.48'
 VS: 4,197.94'

MW IN: 9.6+
 VIS IN: 58
 MW OUT: 9.7
 VIS OUT: 55

WOE MD: 11,385'
 RPM INC: 90.25°
 SPM AZM: 87.2°
 PP: TVD: 6,432.25'
 VS: 4,286.58'

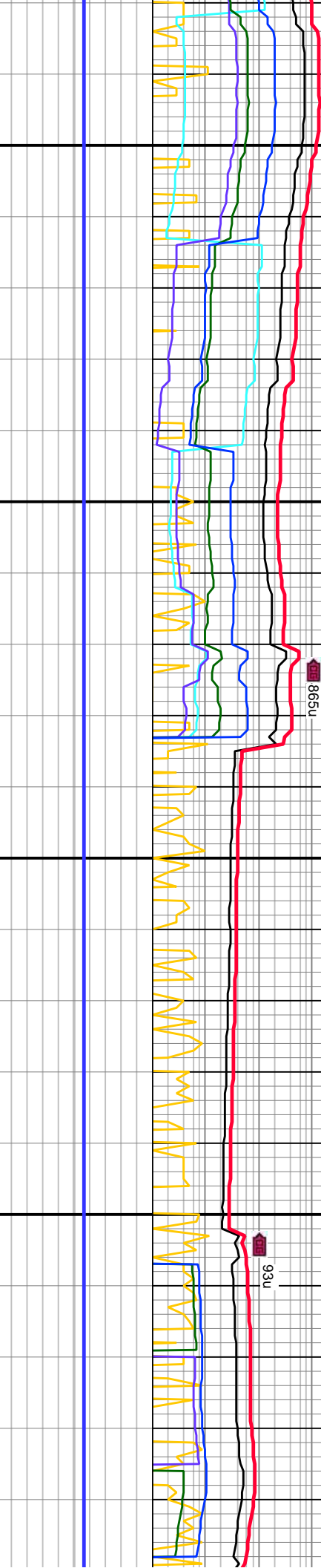


Rig Service/Frozen Poly Line

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865u

93u

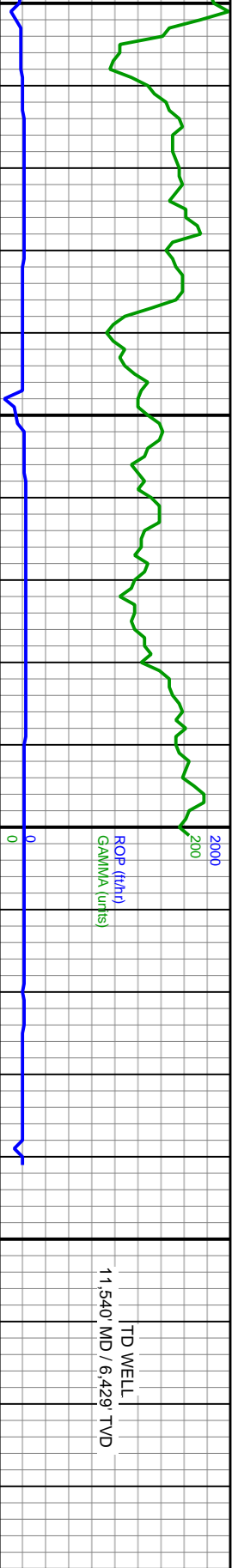


MRLST: predy dk gry,
 mot wht, frm, blkly-sb
 ply, sb wxy lstr,
 0% CHK: predy lt
 gry-gry mot, frm-fri,
 x, sb blkly, sli arg,
 fram

55% MRLST: predy dk gry,
 com mot wht, frm, blkly-sb
 ang, tr ply, sb wxy lstr,
 calc: 45% CHK: predy lt
 brn, lt gry-gry mot, frm-fri,
 rthy tex, sb blkly, sli arg,
 sme foran

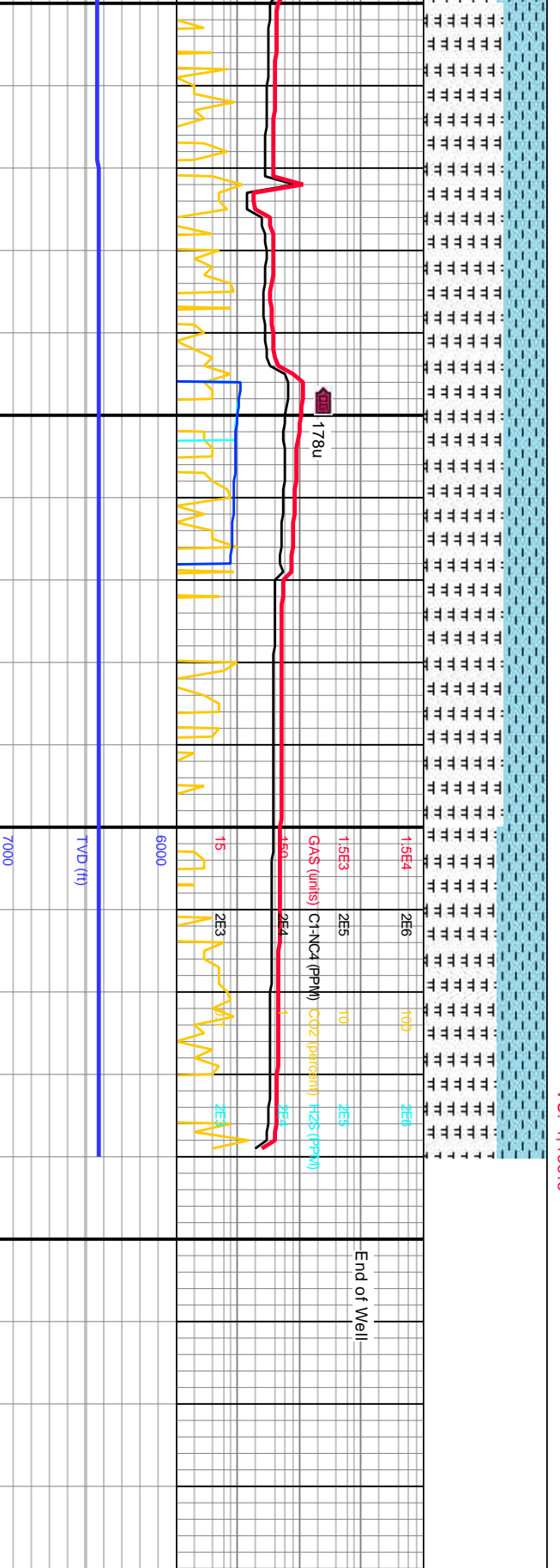
60% CHK: predy lt brn, lt
 gry-gry mot, sme offwht,
 frm-fri, sb blkly, arg, carb, tr
 free chk frags: 40% MRLST
 predy dk gry, occ dk-lt brn,
 com mot wht, frm, blkly-sb
 ang, sb ply, calc





MD: 11,480'
 INC: 91.18°
 AZM: 86.6°
 TVD: 6,431.07'
 VS: 4,377.79'

Projection to bit:
 MD: 11,540'
 INC: 91.18°
 AZM: 86.6°
 TVD: 6,429.83'
 VS: 4,435.3'



65% MRLST: predy dk gry,
 com mot wht, frm-fri, blk-
 sb ang, sb wxy lst, calc;
 35% CHK: predy lt brn, lt
 gry-gry mot, frm-fri, rthy
 tex, sb blk, arg, carb

60% CHK: predy lt brn, lt
 gry-gry mot, sme offwht,
 frm-fri, sb blk, arg, carb, tr
 free chk frags: 40% MRLST:
 predy dk gry, occ dk-lt brn,
 com mot wht, frm, blk-
 ang, sb plty, calc



End of Well

TD WELL
11,540' MD / 6,429' TVD

