

**Well Information**

Operator: Husky Oil Operations Limited
Well Name: Slater River H-64
Location: 300H64650012600
UWI: 300H64650012600
Pool / Field: / Slater River
Well License #: 462
Province / State: NWT
Country: Canada

Elevations

Reference: Ground **Ground:** 178 m
Cut(-) / Fill(+): +0.5 m **Kelly Bushing:** 183.2 m
K.B. to Ground: 5.3 m **Casing Flange:** m

Total Depth

Measurement Type	Measured Depth	True Vertical Depth
Drillers TD (Tally)	1341.8 m	1341.59 m
Drillers TD (Strap or SLM)	m	m
Loggers TD	1341.4 m	1341.19 m

Well Co - Ordinates

Longitude **Latitude** **Well Type:** Vertical
Surface Co-Ordinates: 126 11' 20.3" 64 53' 28.5"
NS: 51.15m South of North Boundary of
EW: 69.94m West of East Boundary of
Int. Casing Co-Ordinates: **NS:**
EW:
Bottom Hole Co-Ordinates: **NS:**
EW:
UTM Surface Co-Ordinates: **Northing:** 7199097.54 **Easting:** 633068.42

Well Summary

Spud Date: Feb 19, 2012 @ 11:30hrs
TD Date: Mar 6, 2012 @ 10:40hrs
Rig Release Date: Mar 10, 2012 @ 23:59hrs
Contractor: Nabous

Drilling Fluid Summary

Fluid Type	From	To
Gel Chemical	28 m	510 m
Invert	510 m	1342 m

Casing Summary

Type	Hole Size	Casing Size	Landed
Surface	311 mm	244.5 mm	510 m
Production	222 mm	177.8 mm	1341 m

Work Schedule

Contractor	Geologist	Log Interval	Dates Logged
McGrath Resources Consultants	Hans J. Papenhoven	28 m - 1342 m	Feb 17, 2012 - Mar 8, 2012

Remarks

Legend

Rock Types and Thin Beds

Whole Bed	Stringer	Nodule	Breccia	Clast	Pebble	Grain	Rock Type
							Anhydrite - primary
							Anhydrite - secondary
							Argillite
							Barite
							Bentonite
							Breccia
							Cement
							Conglomerate - mixed
							Conglomerate - dark chert
							Conglomerate - light chert
							Conglomerate - varicolored chert
							Chert - dark
							Chert - fossiliferous
							Chert - light
							Chert - tripolitic
							Chert - varicolored
							Claystone - colored
							Claystone - gray
							Coal
							Dolomite
							Ferruginous
							Feldspar
							Gypsum
							Igneous - acidic
							Igneous - basic

Whole Bed	Stringer	Nodule	Breccia	Clast	Pebble	Grain	Rock Type
							Igneous - metamorphic
							Limestone - grain supported
							Limestone - mud supported
							Muddy Inclined Heterolithic Strata
							Marlstone - calcareous
							Marlstone - dolomitic
							Mud breccia
							Mudstone
							Paleosol
							Phosphate
							Quartz
							Salt
							Shale - black
							Shale - dark gray
							Shale - medium gray
							Shale - light gray
							Shale - brown
							Shale - green
							Shale - red
							Siderite
							Sandstone
							Siltstone
							Sandy Inclined Heterolithic Strata
							Till - glacial
							Volcanic (Tuff)
							Welded Volcanic (Tuff)

Accessories

	Anhydritic		Cherty - tripolitic		Illitic		Salt casts
	Argillaceous		Cherty - varicolored		Kaolinitic		Sandy
	Baritic		Chloritic		Lithic Fragment		Sideritic
	Bentonitic		Clayey		Marly - calcareous		Siliceous
	Bituminous		Dolomitic		Marly - dolomitic		Silty
	Calcareous		Ferruginous staining		Micromicaceous		Slickenside
	Carbonaceous		Fractures		Mixed layer clayey		Stylolitic
	Cherty - dark		Glauconitic		Montmorillonitic		Tuffaceous
	Cherty - fossiliferous		Gypsiferous		Phosphate pellets		Zeolitic
	Cherty - light		Gibbsitic		Pyritic		

Miscellaneous Grains

	Biotite		Mineral crystal		Orthoclase
	Glauconite		Mineral - dark		Plagioclase
	Mica flakes		Muscovite		Sand grain

Matrix

	Argillaceous		Marl - calcareous
	Bafflestone		Marl - dolomitic
	Bentonite		Micrite
	Bindstone		Mixed Clay
	Bituminous		Montmorillonite
	Clay		Mudstone
	Chlorite		Packstone
	Floatstone		Rudstone
	Framestone		Sand
	Gibbsite		Silt
	Grainstone		Sparry Calcite
	Illite		Wackestone
	Kaolinite		Zeolite

Cement

	Anhydritic		Gypsiferous
	Baritic		Hematitic
	Bituminous		Limonic
	Calcareous		Pyritic
	Cherty - dark		Salt
	Cherty - light		Sideritic
	Dolomitic		Siliceous
	Ferruginous		

Core Track

	Indicates Cored Interval
	Indicates Lost Core

Test Track

	Indicates Tested Interval
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Rounding Track

vA	Very Angular	r	Subrounded
A	Angular	R	Rounded
a	Subangular	wR	Well Rounded

Fossils (Rock Builders)

	Aggregate grains		Algae - laminations		Algae-non descript		Algae - ootoid
	Algae - skeletal		Amphipora		Amph / no central canal		
	Belemnite		Bioclast-Idiostroma		Bioclastic		Bivalve-Megalodont
	Bivalve		Brachiopod		Brachiopods Arti		Brachiopods Disarti
	Bryozoa		Bryozoan-Digitate Bioclasts				Bryozoan-Fenestrate
	Calcs Red Alg Rhodophytes		Calciphaera		Cephalopod		
	Chaetetes		Charophyte		Coaly or Woody Fragments		
	Coated grain		Conodont		Coral		Coral Aulopodid
	Coral - branching		Coral - Cerioid favositid		Coral - digitate coenites		
	Coral - Encrusting to massise Alveolitid		Coral - Halysitid		Coral - head		
	Coral - colonial		Coral - massive chaetetid		Coral - Rugose Cerioid		
	Coral - Rugose Fasciculate		Coral - solitary		Coral - Syringoporoid		
	Coral - Thamnoporoid		Crinoid		Crinoid-Pelmatozoan		
	Cyanobacterial material		Diatom		Echnoid		
	Echnoid - spine		Epiphyton		Fish Remains		Euryamphipora
	Foraminifera		Foram- benthic		Foram- pelagic		Fossil
	Fos Molds - undiff cylindrical		Fos Molds - undiff sb spher		Fragmental		
	Gastropod		Gast - high spired		Gast - low spired		Graptolite
	Hydrozoa		Intraclast		Lg Codiacean Alg		Mollusc
	Nautiloid - Orthoconic		Oncolite		Oolite		Pellet
	Ostracod		Ost - articulated		Pelecypod		Pellet
	Pisolite		Plant Remains		Plant Spores		Radiolarians
	Renalcis		Rudist - undiff		Scaphopod		S Codiacean Alg
	Spicule		Sponge - undiff		Sponge - Algal encrustations		
	Spg - lse spics		Spg - spicr network		Stachyodes		Stromatolite
	Stromatoporoid		Strom - bulbous		Stromatoporoid - hemispherical		
	Strom - irregularly shaped or encrusting		Strom - massive		Strom - tabular		
	Strom - wafer thin		Tentaculites		Thrombolite		Trilobite
	Vertebrates						

Porosity Type Track

e	Earthy - low permeability - crystals / grains less than 1 / 16 mm		
☐	Fenestral - voids from gas bubbles - shrinkage cracks - birdseye texture		
X	Intercrystalline - Interfragmental - Intergranular		
F	Fracture	O	Organic - Bridged - Intrafossil
⊕	Interoolitic - Interpelletoidal	P	Pinpoint - voids less than 1/ 16 mm
~	Moldic	V	Vuggy - voids greater than 1 / 16 mm

Oil Show Track

●	Even staining (75 - 100% of the rock is stained) - fluoresces in solvent
●	Spotted staining (50 - 75% of the rock is stained) - fluoresces in solvent
⊙	Spotted staining (25 - 50% of the rock is stained) - fluoresces in solvent
⊙	Spotted staining (1 - 25% of the rock is stained) - fluoresces in solvent
○	Questionable oil staining - No fluorescents in solvent
D	Dead oil staining - asphaltic - bitumen - pyrobitumen etc.
F	Fluoresces - no visible oil staining

Textures

C	Chalky	e	Earthy	mx	Microcrystalline
CX	Cryptocrystalline	L	Lithographic	↗	Slickenside
MS	Mudstone	GS	Grainstone	BFS	Bafflestone
WS	Wackestone	FLS	Floatstone	BS	Bindstone
PS	Packstone	RS	Rudstone	FS	Framestone

Sedimentary Structures Bedding / Cross Bedding

CM	Centimeter bedding	⋮	Inverted graded bedding	≠	Massive bedding
DM	Decimeter bedding	⋮	Normal graded bedding	≡	Chevron cross-bedding
MM	Millimeter bedding	≡	Herringbone cross-bedding	≡	Sigmoidal cross-bedding
≡	Hummocky cross-bedding	≡	Swaley cross-bedding	≡	Planar/Tabular x-bedding
≡	Trough cross-bedding				

Sedimentary Structures

	Ball and pillow		Bioturb-churned		Bioturbated-slightly		Bioturb-moderate
	Bioturb-mod well		Bioturbated-well		Boudinage		Burrows
	Churned or chaotic bdg (bdg/cross bdg)		Clastic Dike		Clastic sill		
	Desiccation crack		Dish structure		Fault-Large scale		Fault-Small scale
	Flame structure		Flute mark		Geopetal		Groove casts
	Gutter casts		Imbricated clast fabric				Lamr Fenst Fabric
	Inclined heterolithic strata		Load casts		Mud chips		
	Mud drapes		Minor Cemented horizon		Neptunian dike		
	Pit marks		Pull-a-part		Rand Fenst Fabric		Reactivation Surface
	Rill marks		Rip up clasts		Roots / root trace		Scour and Fill
	Slump structure		Swash marks		Syneresis crack		Teepee structure
	Tool marks		Water Escape				

Sedimentary Structures Laminations / Cross Laminations

	Climbing ripple cross-lams		Contorted / Slumped lams		Current ripple cross-lams
	Flaser laminations		High angle cross-lamination		High angle parallel lams
	Lenticular laminations		Low angle cross-lamination		Low angle parallel lams
	Parallel laminations		Trough cross-laminations		Varved laminations
	Wave ripple cross-lams		Wavy laminations		

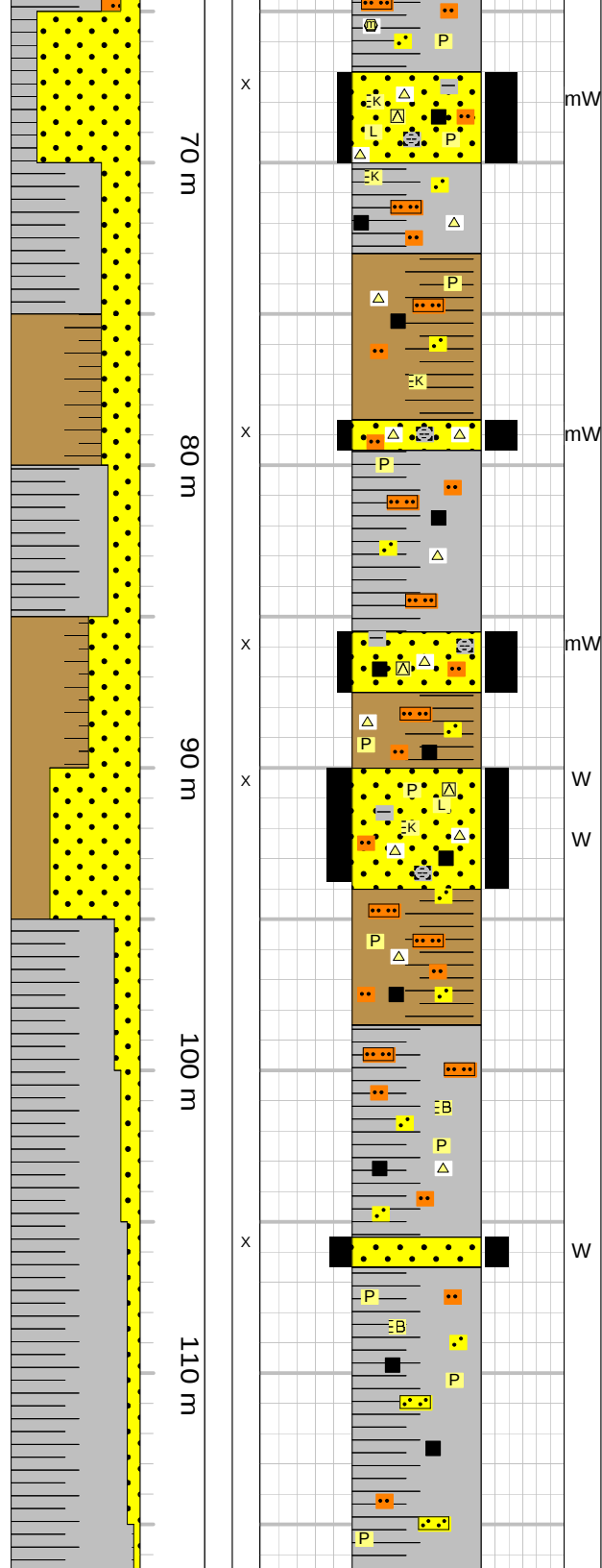
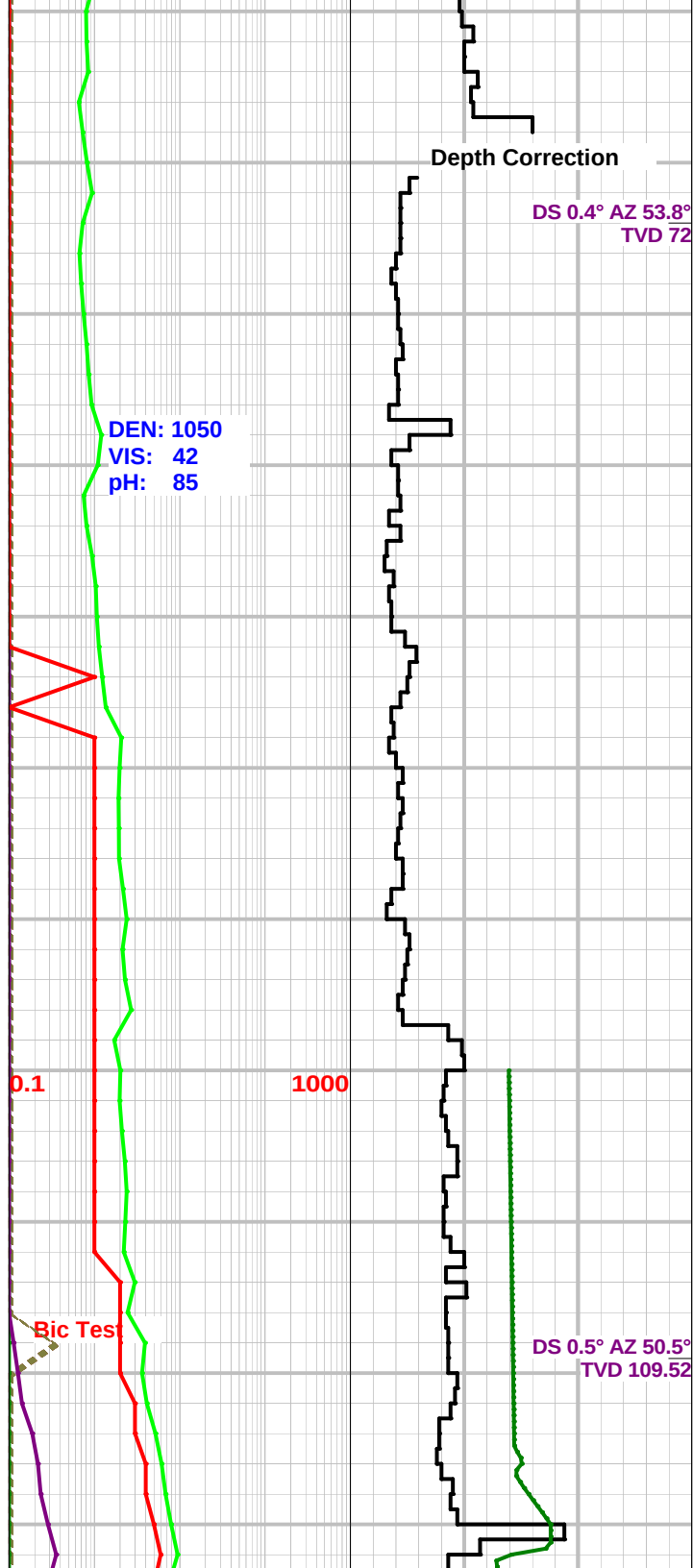
Sorting Track

vP	Very poorly sorted - > 10 phi size grade classes
P	Poorly sorted - 6-10 phi size grade classes
M	Moderately sorted - 3-6 phi size grade classes
mW	Moderately well sorted - 2-3 phi size grade classes
W	Well sorted - < 2 phi size grade classes

Framework Track

Framework is a ratio between clastic material greater than 1/16 mm and primary void filler less than 1/16 mm.
? indicates questionable interpretation

Mud Gas		Drilling Progress		Lithology	Depth	Porosity Type	Porosity (%)	Interpreted Lithology	Grain Size	Rounding	Lithology Description	
Pason Gas (%)		Drill Rate (min/m)	MWD Gamma (gapi)								Sorting	Lithology Description
0.001	10											
C5 (Total Pentanes) (ppm)	100000											
C4 (Total Butanes) (ppm)	100000											
C3 (Propane) (ppm)	100000											
C2 (Ethane) (ppm)	100000											
C1 (Methane) (ppm)	100000											
TG (Total Gas) (units)	10000											
0.1	10000											
Feb 19, 2012 Drilling with Gel Chemical Gas Detector On-Line Bic Test Service Gas Chromatograph Service Gas Detector Depth Correction Tagged cement @ 27m DS 0° AZ 0° DS 0.2° AZ 69.4° WOB: 5.0 RPM: 140 SPM: 2 X 95 PP: 580 PO: 2.28												



SH: lt - m gy, lt brn, sbfis - sbblky, rthy, v slty & sdy ip, tr coal flks, rr dism pyr, grdg to arg Slstst ip, sft - frm.

SS: lt gy, s&p, slt - l f gred, modly w srt, sbang - sbrdd, py cons, cly cmt, slly sil ip, qtz, occ lt cht grs, tr coal flks, rr kao, rr dism pyr, tr dk lit, arg, p - fr (3 - 6%) intgran por.

SH: m gy, lt brn, sbfis - sbblky, rthy, slty & sdy, tr coal flks, occ lt cht grs, rr kao, tr pyric blebs, grdg to arg Slstst ip, sft - frm.

SH: lt brn, m gy, sbblky, rthy, slty & sdy, tr coal flks, occ lt cht grs, rr kao, tr pyric blebs, grdg to arg Slstst ip, sft - frm.

SH: m gy, lt brn, sbfis - sbblky, rthy, slty & sdy, tr coal flks, tr - occ lt cht grs, rr dism pyr, tr pyric blebs, grdg to arg Slstst ip, sft - frm.

SS: lt gy, s&p, slt - l f gred, modly w srt, sbang - sbrdd, py cons, cly cmt, slly sil ip, w cons, pyric cmt, qtz, occ lt cht grs, tr coal flks, rr kao, rr dism pyr, tr dk lit, arg, p - fr (3 - 6%) intgran por.

SH: lt brn, m gy, sbblky, rthy, slty & sdy, tr coal flks, occ lt cht grs, rr kao, tr pyric blebs, grdg to arg Slstst ip, sft - frm.

SS: lt gy, s&p, slt - vf gred, w srt, sbang - sbrdd, py cons, cly cmt, qtz, tr coal flks, occ lt cht grs, tr dk lit, tr kao, arg ip, rr dism pyr, p - fr (3 - 9%) intgran por.

SH: m gy, m brn gy, sbfis - sbblky, rthy, slty & sdy, tr coal flks, rr dism pyr, tr lt cht grs, bentic, grdg to arg Slstst, sft.

SS: lt gy, s&p, slt - vf gred, w srt, sbang - sbrdd, py cons, cly cmt, w cons, pyric cmt, qtz, tr coal flks, occ lt cht grs, tr dk lit, tr kao, arg ip, rr dism pyr, p - fr (3 - 9%) intgran por.

SH: lt - m gy, occ dk gy, sbfis - sbblky, rthy, occ slty & sdy, tr - occ coal flks, occ dism pyr & pyric strs, tr pyric blebs, sft - frm.

Feb 20, 2012

Pason Gas Detector
On-Line

Bic Test

DEN 1110
VIS: 36
pH: 8.5

0.1

1000

Bit#1RR Smith XR1CP8
96.00 / 10/25 hrs
Cond 2-2 WT-A
X-I-NO-BHA

NB#2 Smith M16

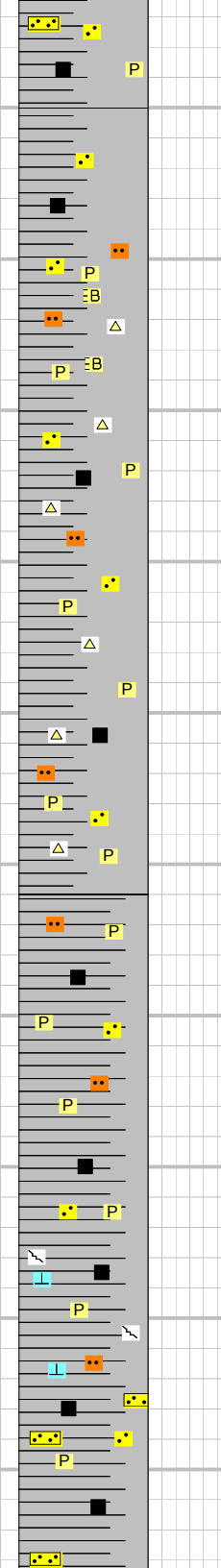
WOB: 2.0
RPM: 45 + Motor
SPM: 2 x 100
PP: 9500
PO: 2.2

DS 0.8° AZ 39.2°
TVD 136.58

DS 0.8° AZ 34.8°
TVD 163.97

120 m
130 m
140 m
150 m
160 m

22



SH: lt - m gy, tr dk gy, sbfis - sbblky, rthy, occ slty & sdy, tr - occ coal flks, occ dism pyr & pyric strs, tr pyric blebs, sft - frm.

SH: lt - m gy, tr dk gy, sbfis - sbblky, rthy, aa.

Slater River
(TVD: 122.00)
(SSL: 61.20)

SH: m gy, lt - m brn gy, sbfis - sbblky, rthy, slty & sdy ip, tr coal flks, tr - occ dism pyr & pyric strs, rr pyric blebs, occ lt cht grs, slly bentic, sft - frm.

SH: m - dk gy, dkr than abv, slly lamd, sbfis - sbblky, rthy, slty & sdy, tr coal flks, tr - occ dism pyr, occ lt cht grs, sft - frm.

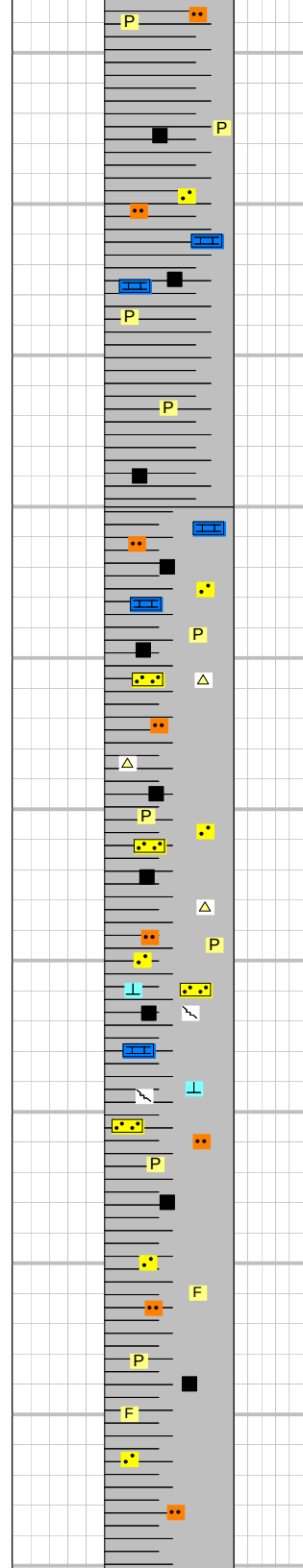
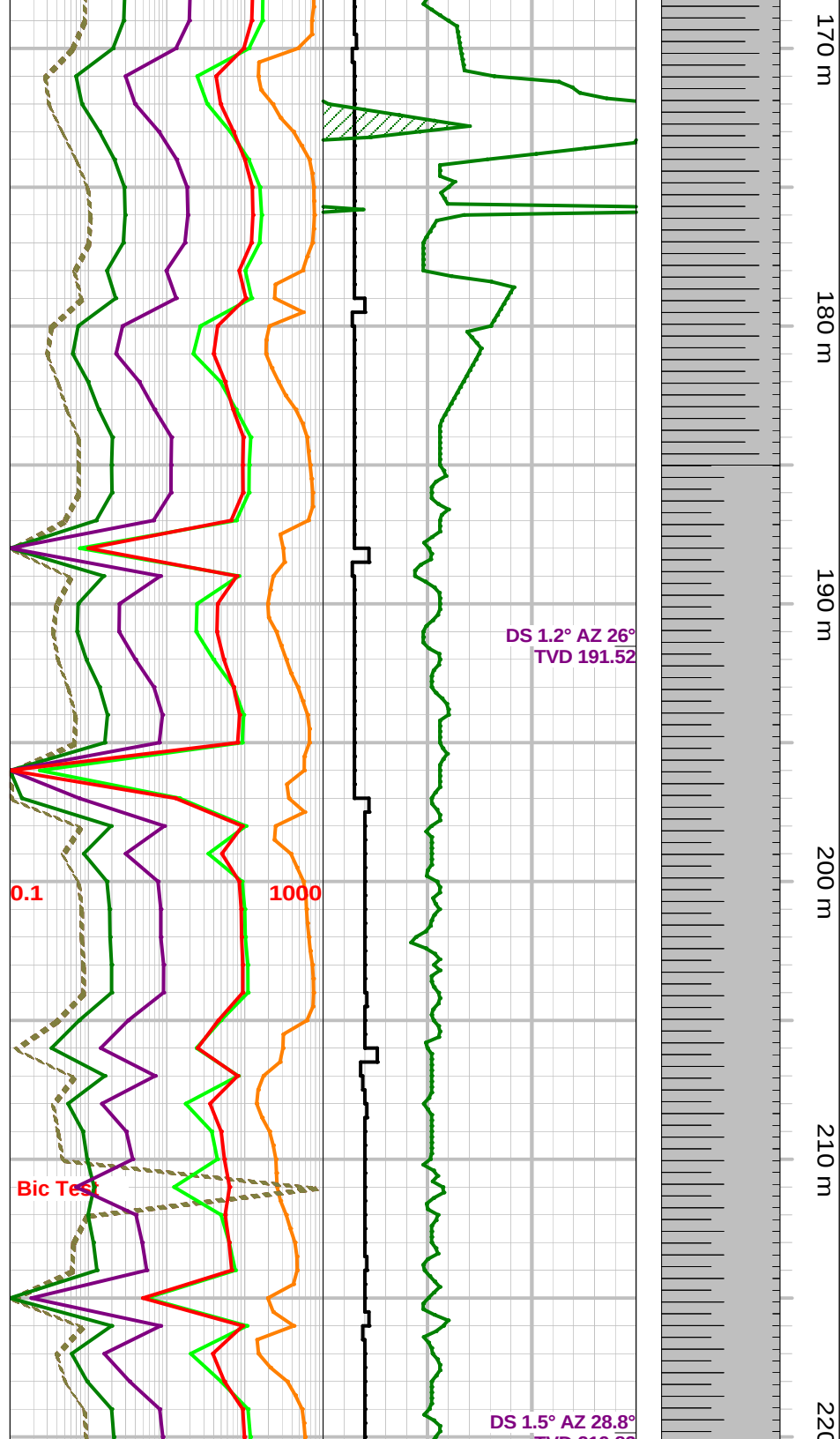
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SH: dk gy, occ m gy, bcmg lamd, sbfis - sbblky, rthy, slly slty & sdy, tr - occ coal flks, occ - com dism pyr, com dism pyr along bdg lams, sft - frm.

SH: dk gy, blksh ip, lamd, sbfis - tr sbblky, rthy, slly slty & sdy, tr - occ coal flks, occ dism pyr, com dism pyr along bdg lams, sft - frm.

SH: dk gy, dk brn gy, blksh ip, lamd, sbfis - tr sbblky, slly slty & sdy, occ coal flks, tr - occ dism pyr & strs, rr calc xls pos fracs, sft - frm.

SH: dk gy, dk brn gy, blksh ip, lamd, sbfis - tr sbblky, slly slty & sdy, occ coal flks, tr - occ



dism pyr & strcs, tr m gy - m brn arg Ss strgs, sft - frm.

SH: m gy, occ dk gy, sbfis - sbblky, rthy, slly slty & sdy, tr - occ coal flks, tr dism pyr & pyric blebs, tr dism pyr strcs, tr m brn Ls strgs, sft - frm.

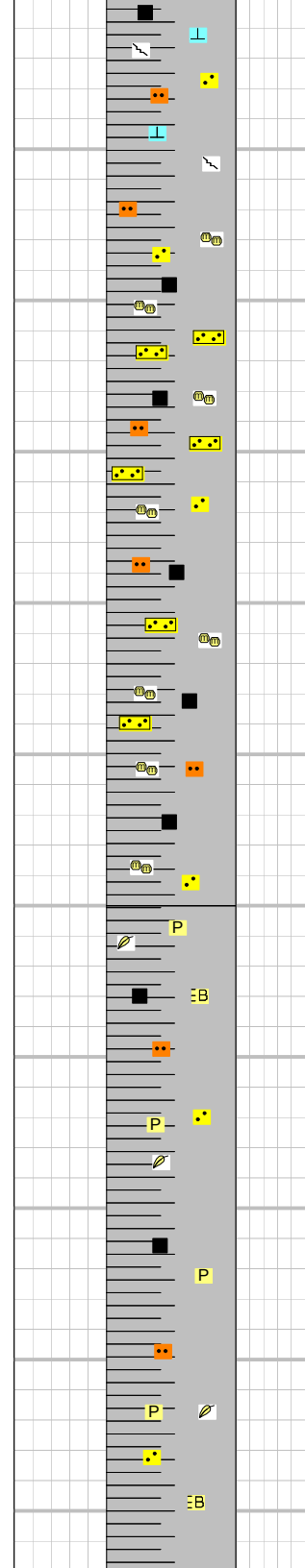
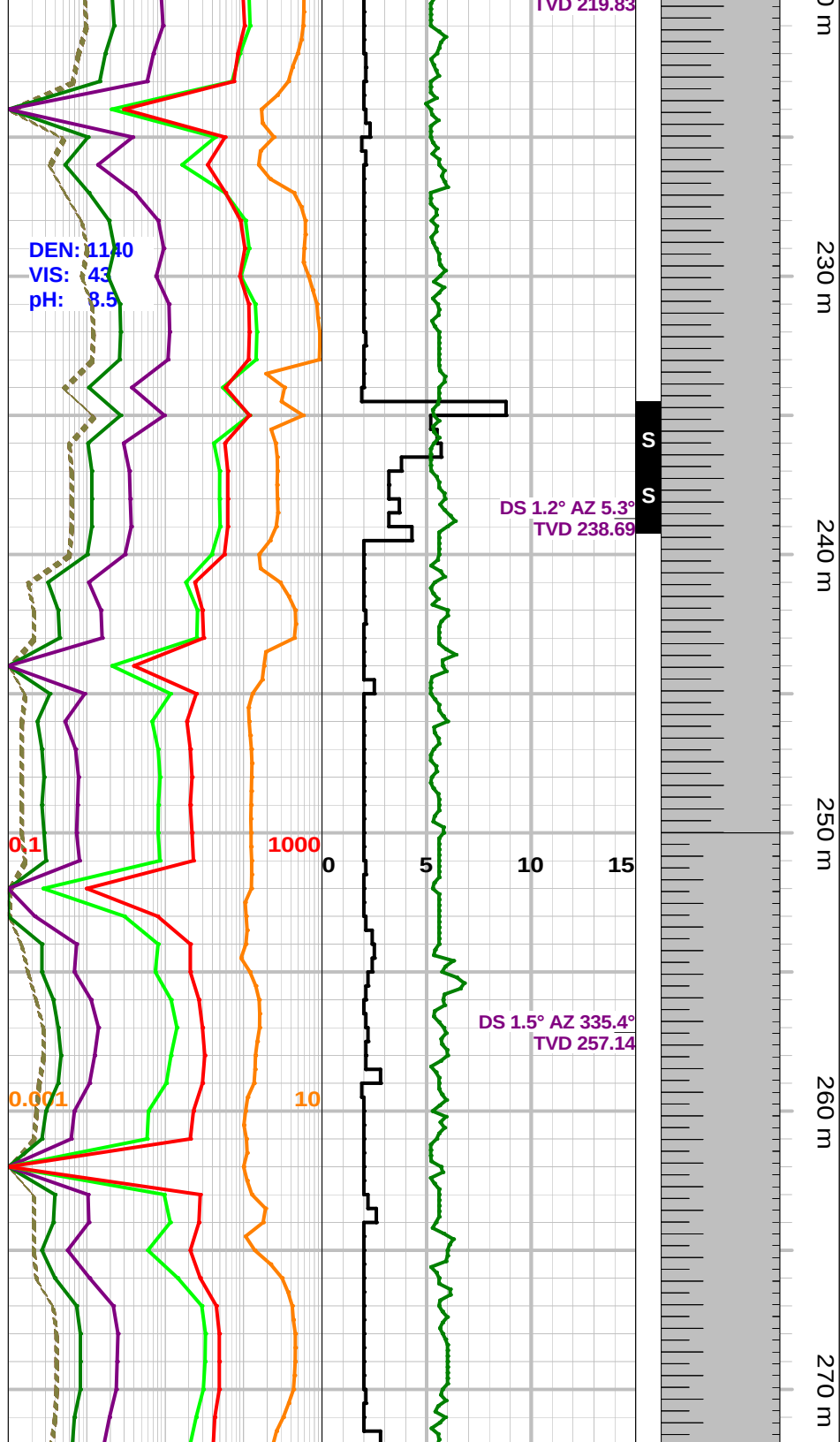
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SH: m gy, m brn gy, sbfis - sbblky, rthy, slly slty & sdy, occ coal flks, tr dism pyr, tr lt cht grs, tr lt - m brn Ls strgs, sft - frm.

SH: m gy, m brn gy, sbfis - sbblky, rthy, slly slty & sdy, occ coal flks, tr dism pyr, tr lt cht grs, tr lt Ss strgs, sft - frm.

SH: m gy, sbfis - sbblky, rthy, slty & sdy, tr coal flks, tr dism pyr, rr calc xls pos fld fracs, tr lt gy vf Ss strgs, rr lt - m brn Ls strgs, sft - frm.

SH: m gy, sbfis - sbblky, rthy, slty & sdy, tr coal flks, tr dism pyr, rr - tr fos frags, sft - frm.



SH: m gy, sbfis - sbblky, rthy, slly slty & sdy, rr coal flks, tr dism pyr, tr calcs fld fracs, sft - frm.

SH: lt - m gy, sbfis - tr sbblky, rthy, slly slty & sdy, rr - tr dism pyr, rr coal flks, occ mic micas, sft - frm.

SH: lt - m gy, sbfis - tr sbblky, rthy, slty & sdy, rr - tr dism pyr, rr - tr coal flks, occ mic micas, tr lt - m gy lnss & strgs, sft - frm.

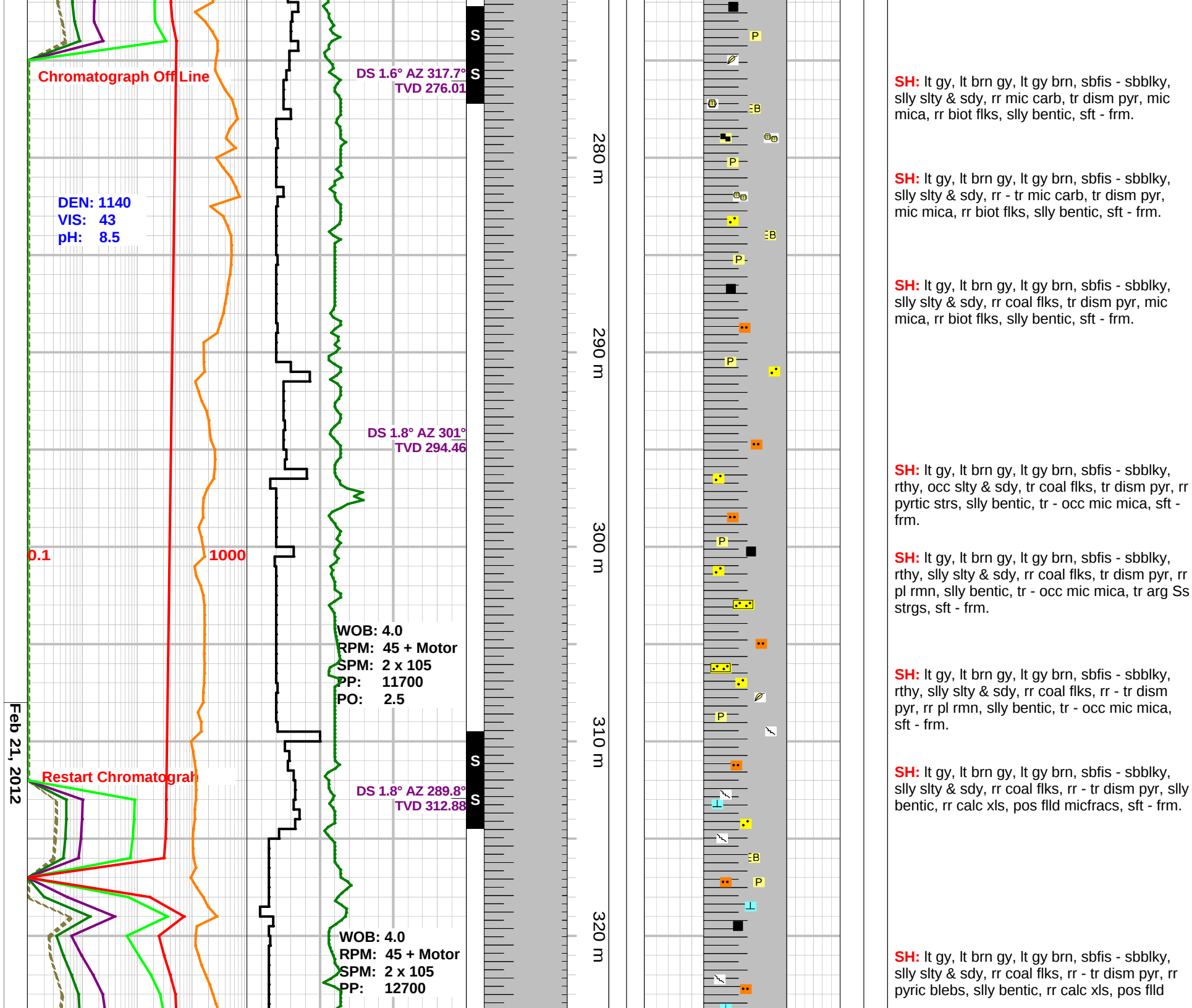
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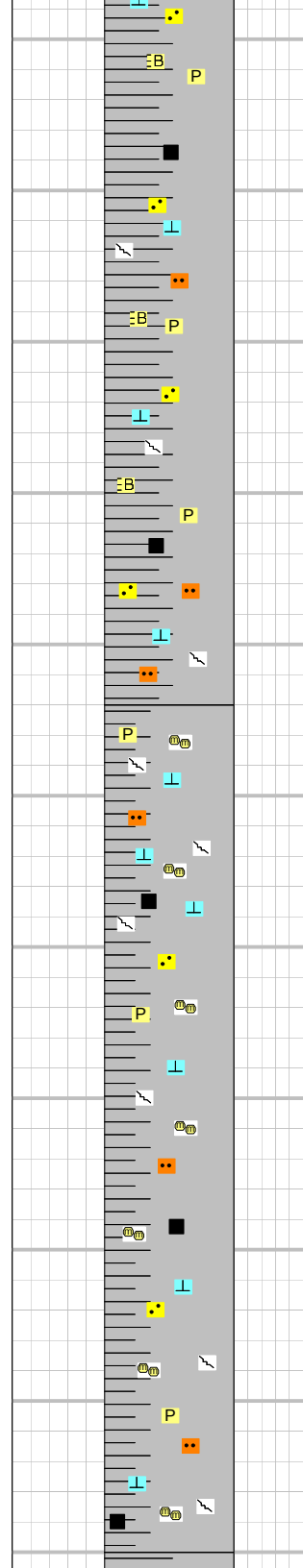
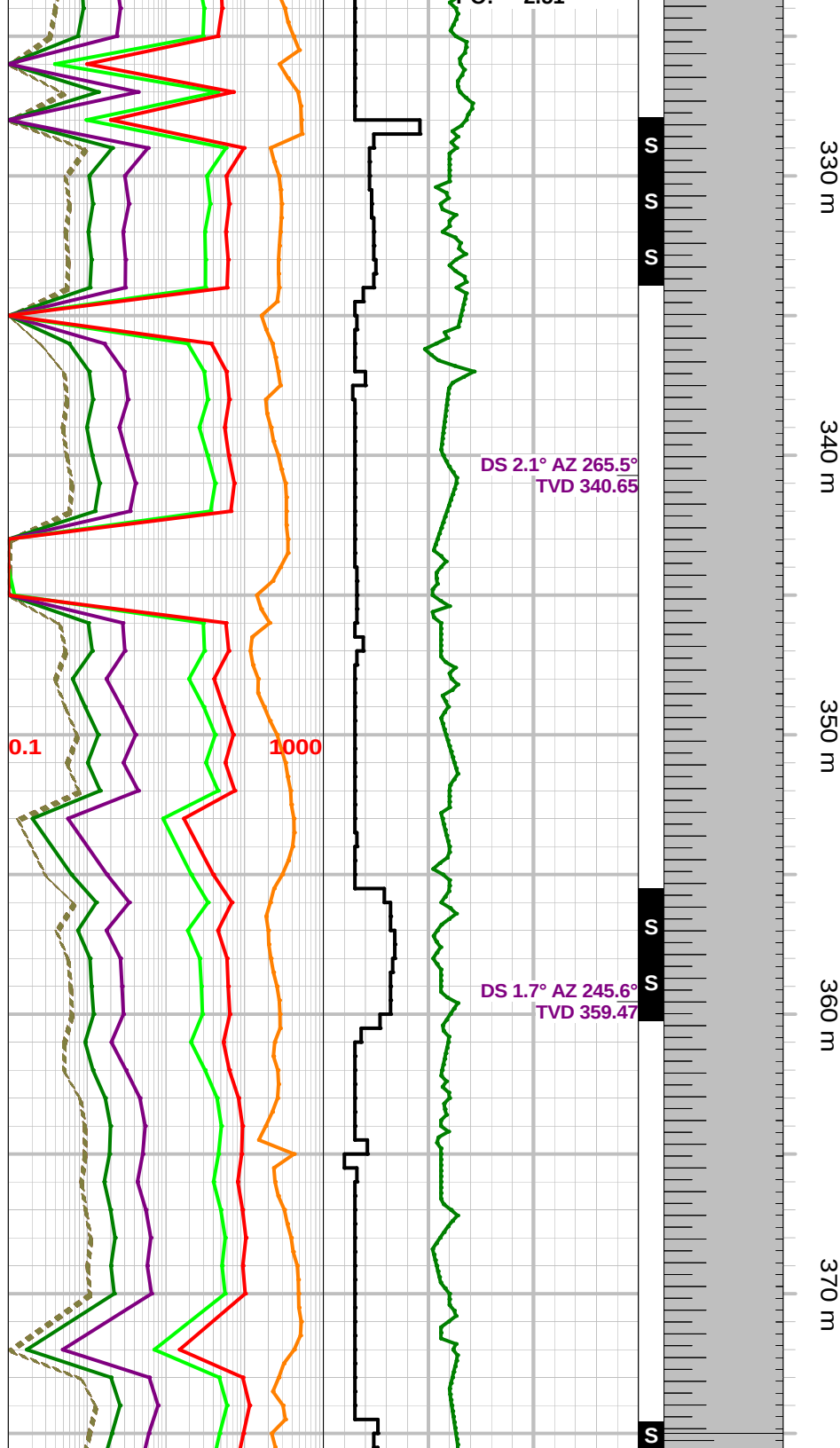
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SH: lt - m gy, sbfis - tr sbblky, rthy, slty & sdy, rr - tr dism pyr, tr coal flks, occ mic micas, tr lt - m gy lnss & strgs, sft - frm.

SH: lt brn gy, lt gy brn, sbfis - sbblky, slly lamd, rthy, slly slty & sdy, rr coal flks, tr - occ mic dism pyr, slly bentic, tr pl rmn, sft - frm.

SH: lt brn gy, lt gy brn, sbfis - sbblky, slly lamd, rthy, slly slty & sdy, rr coal flks, tr - occ mic dism pyr, slly bentic, tr pl rmn, sft - frm.





SH: lt gy, lt gy brn, lt brn gy, slly lamd, sbfis - sbblky, slly slty & sdy, rr coal flks, occ dism pyr, occ pyric strs, slly bentic, sft - frm.

SH: lt gy, lt gy brn, lt brn gy, slly lamd, sbfis - sbblky, slly slty & sdy, rr coal flks, occ dism pyr, occ pyric strs, rr calcs fld micfracs, slly bentic, sft - frm.

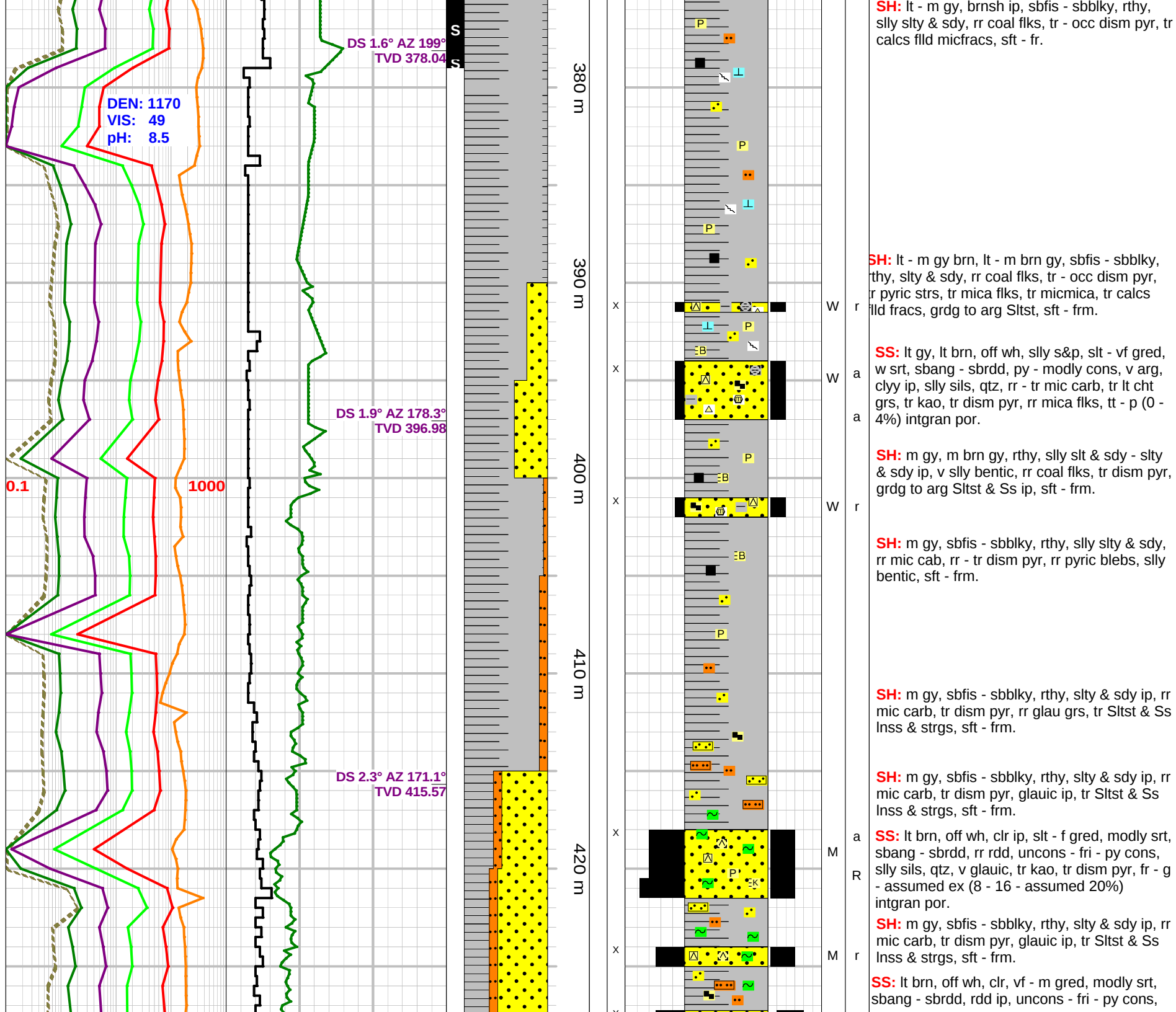
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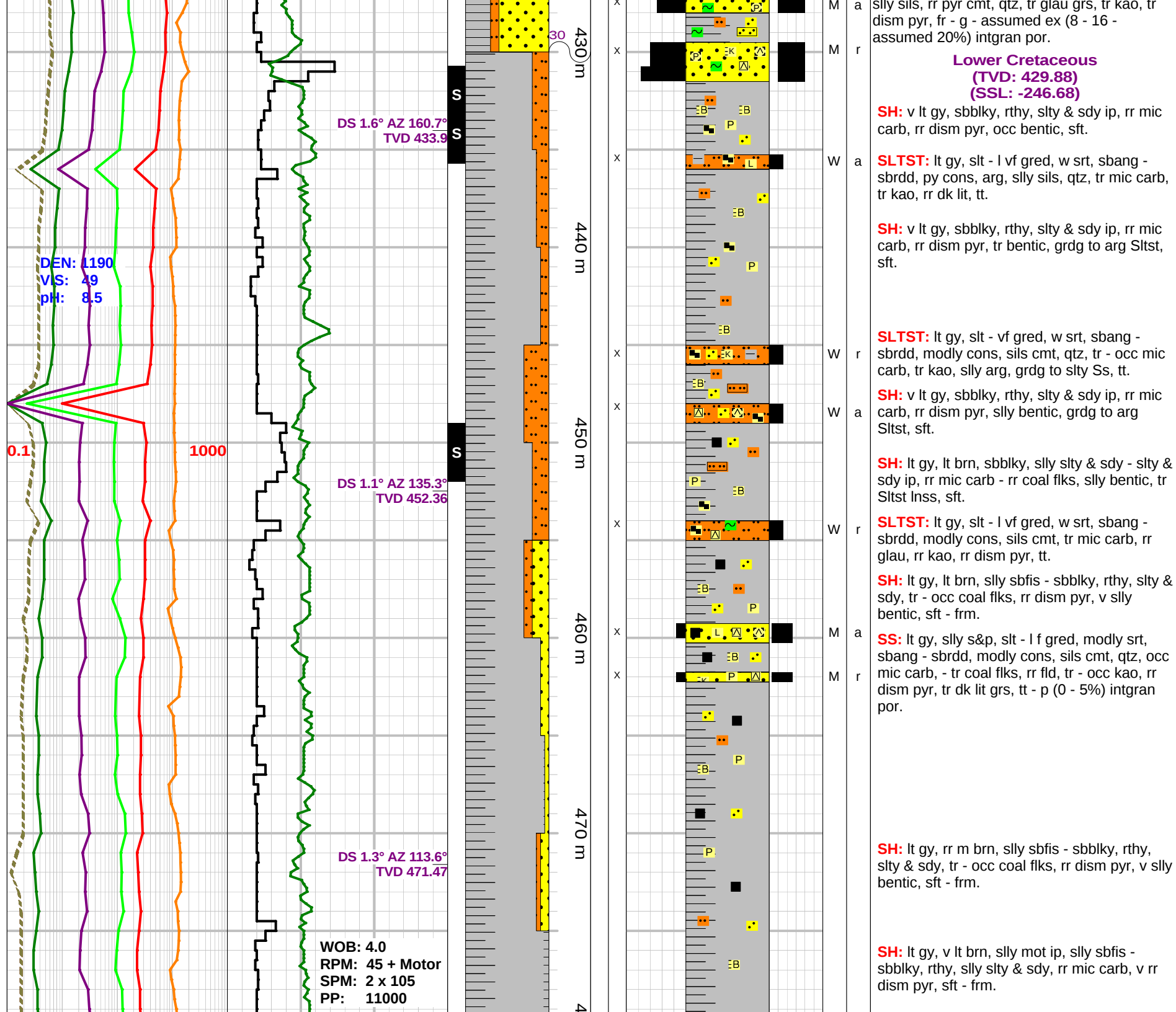
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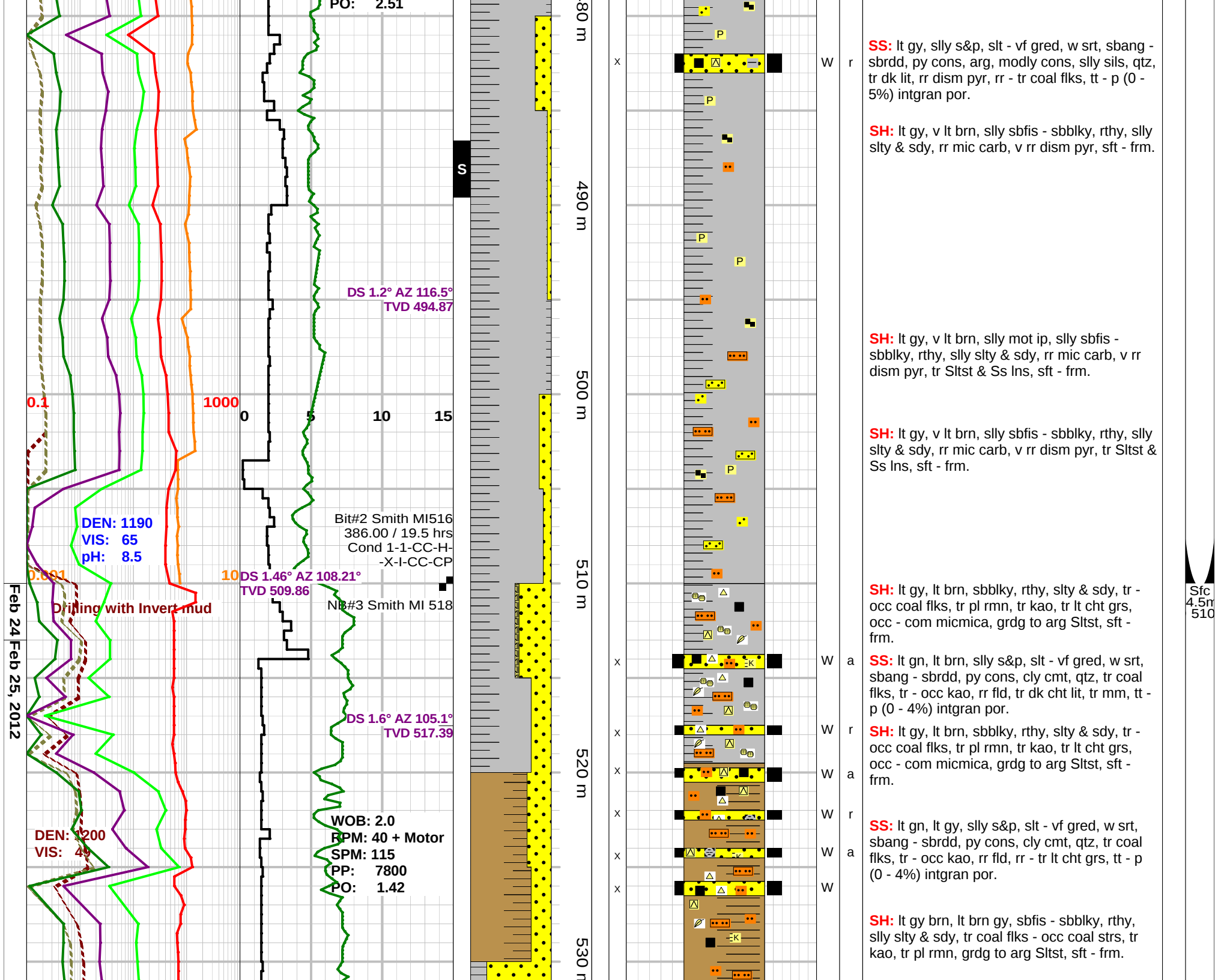
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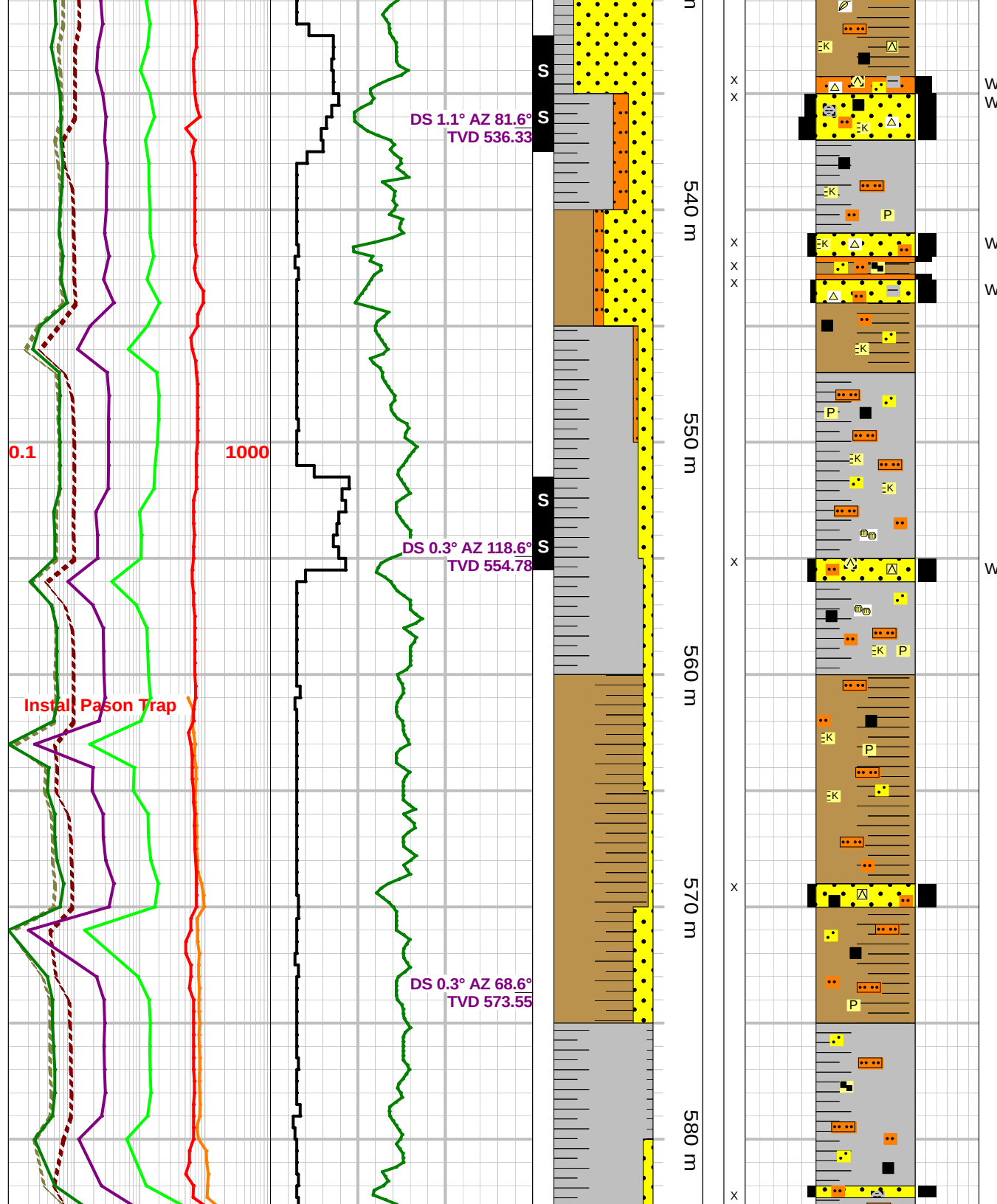
SH: lt gy, lt brn gy, sbfis - sbblky, slly lamd, rthy, slly slty & sdy, rr coal flks, tr - occ micmica, tr - occ dism pyr, tr - occ dism pyr lng bdg lams, rr - tr calcs fld fracs, sft - frm.

SH: lt gy, lt brn gy, sbfis - sbblky, slly lamd, rthy, slly slty & sdy, rr coal flks, tr - occ micmica, tr dism pyr, tr dism pyr lng bdg lams, rr calcs fld fracs, sft - frm.









SLTST: lt gn, lt gy gn, lt gy, slt - l vf gred, w srt, sbang - sbrdd, modly cons, sils cmt, qtz, qz, tr coal flks, arg ip, tr kao, tr lt cht grs, tt.

SS: lt gn gy, lt gy gn, m brn ip, slty & sdy, slt - vf gred, m brn f gred, modly srt, sbang - sbrdd, py cons, cly cmt, qtz, occ - coal flks, bits ip, occ kao, occ dism pyr in m brn Ss, p - fr (3 - 6%) intgran por, ns.

SH: lt gy, lt gn gy, sbfis - sbblky, rthy, slty & sdy, tr coal flks, tr kao, rr dism pyr, grdg to arg Slstst, sft - frm.

SS: v lt gy, off wh, slly s&p, slt - vf gred, w srt, sbang - sbrdd, py - modly cons, sils cmt, qtz, occ lt cht grs, tr coal flks, tr kao, arg ip, tt - p (0 - 4%) intgran por.

SH: v lt brn, v lt brn gy, v lt gy, sbfis - sbblky, rthy, slty & sdy ip, rr coal flks, rr dism pyr, rr kao, tr Slstst Inss, sft - frm.

SH: lt gy, v lt brn, sbfis - sbblky, rthy, slly slty & sdy, rr kao, v rr dism pyr, sft - frm.

SH: v lt gy, v lt brn, sbfis - sbblky, rthy, slly slty & sdy - slty & sdy ip, tr coal flks, rr kao, rr dism pyr, slly micmica, sft - frm.

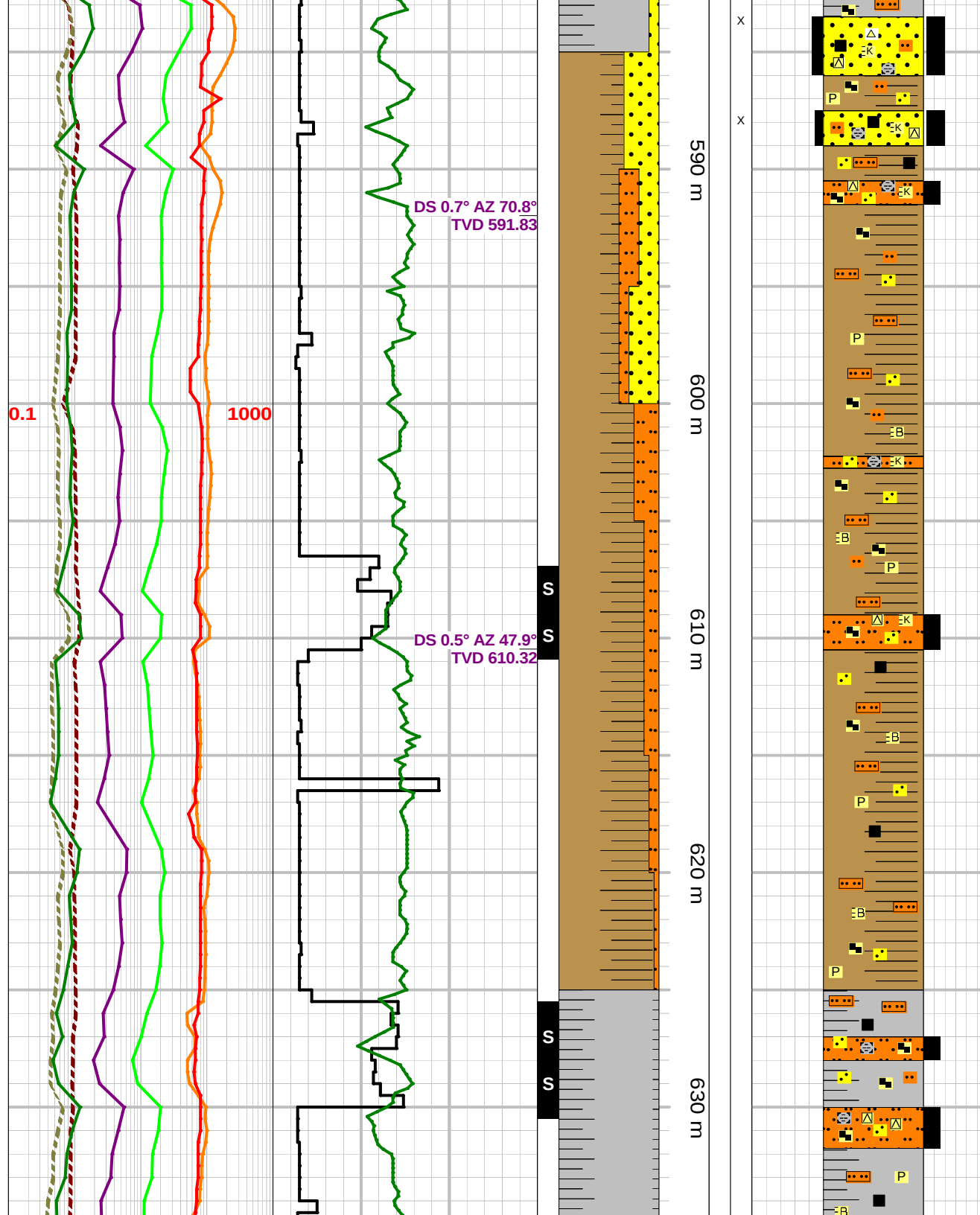
SS: lt gn, lt gy, slly s&p, slt - vf gred, w srt, sbang - sbrdd, py cons, slly sils, qtz, tr coal flks, tr kao, tr lt cht grs, rr dism pyr, arg ip, tt - p (0 - 4%) intgran por.

SH: v lt brn, v lt gy, sbfis - sbblky, rthy, slty & sdy ip, tr coal flks, tr dism pyr, rr kao, grdg to arg Slstst, sft - frm.

SS: lt gn, lt gy, slly s&p, slt - vf gred, w srt, aa.

SH: lt gy, sbfis - sbblky, rthy, slty & sdy, tr mic carb, tr coal flks, tr Slstst Inss, sft - frm.

SH: lt gy, sbfis - sbblky, rthy, slty & sdy, tr



SS: lt gy, sly s&p, slt - vf gred, w srt, sbang - sbrdd, py cons, cly mtx, qtz, tr coal flks, rr kao, rr dism pyr, tr lt cht grs, tt - p (0 - 4%) intgran por.

SH: v lt brn, lt gy, sbfis - sbbiky, rthy, slty & sdy, rr coal flks, rr dism pyr, grdg to arg Sltst, sft - frm,

SLTST: lt gy, slt - l vf gred, w srt, sbang - sbrdd, py con, cly cmt, qtz, tr mic carb, tr kao, tr lt cht grs, grdg to slty Ss ip, tt.

SH: v lt brn, v lt gy, sbfis - sbbiky, rthy, slty & sdy, rr mic carb, rr dism pyr, sly bentic, grdg to arg Sltst, sft - frm.

SLTST: lt gy, lt brn, slt - l vf gred, w srt, sbang - sbrdd, py cons, cly cmt, qtz, rr mic carb, rr mic carb, tr kao, rr dism pyr, arg, grdg to slty Ss ip, tt.

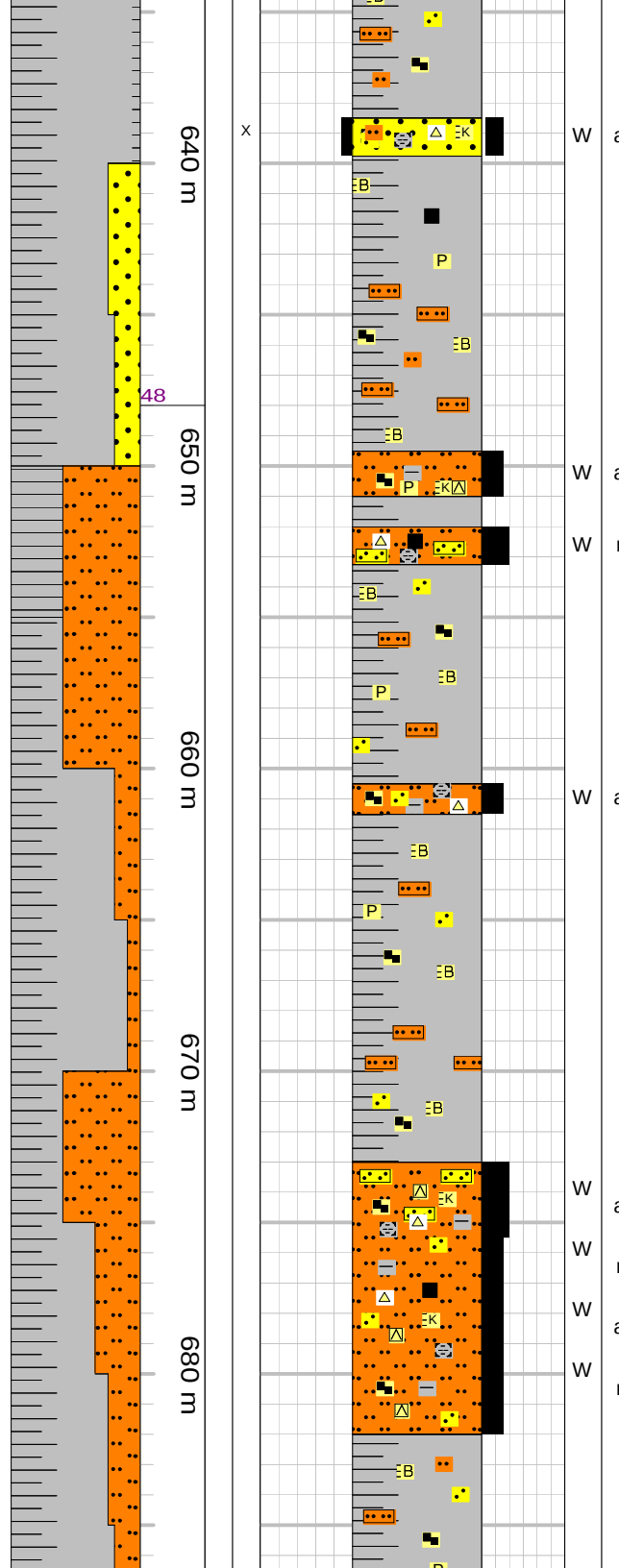
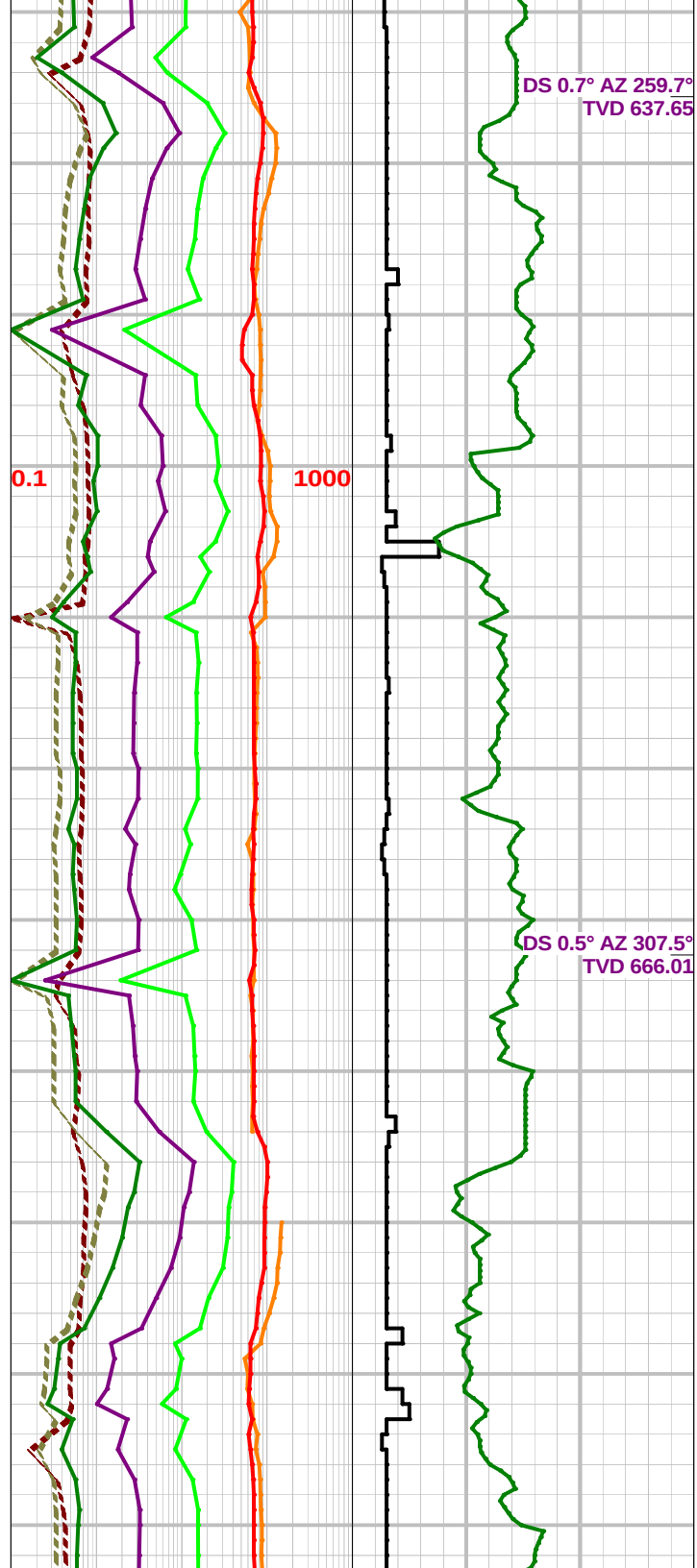
SH: v lt brn, v lt gy, sbfis - sbbiky, rthy, slty & sdy, tr mic carb - tr coal flks, rr dism pyr, sly bentic, grdg to arg Sltst, sft - frm.

SLTST: lt gy, lt brn, slt - l vf gred, w srt, sbang - sbrdd, py cons, cly cmt, qtz, rr mic carb, rr mic carb, tr kao, rr dism pyr, arg, grdg to slty Ss ip, tt.

SH: v lt brn, v lt gy, sbfis - sbbiky, rthy, slty & sdy, rr mic carb - rr coal flks, rr dism pyr, bentic, grdg to arg Sltst, sft - frm.

SH: lt gy, lt brn, sbfis - sbbiky, rthy, slty & sdy, rr mic carb - rr coal flks, rr - tr dism pyr, v bentic, grdg to arg Sltst, sft - tr frm.

SLTST: lt gy, lt brn, slt - l vf gred, w srt, sbang - sbrdd, py cons, cly cmt, qtz, rr mic carb, rr mic carb, tr kao, rr dism pyr, arg, grdg to slty Ss ip, tt.



SH: lt gy, lt brn, sbfis - sbbly, rthy, slty & sdy, v bentic, rr mic carb - tr coal flks, tr Slst & Ss Inss & strgs, sft - occ frm.

SS: lt gy, slly s&p, slt - l vf gred, w srt, sbang - sbrdd, py cons, cly cmt, qtz, rr coal flks, tr kao, tr lt cht grs, v rr dism pyr, grdg to sdy Slst ip, tt - p (0 - 3%) intgran por.

SH: lt gy, lt brn, sbfis - sbbly, rthy, rr coal flks, rr dism pyr, rr mica flks, v bentic, grdg to arg Slst ip, sft.

Middle Imperial Sands
(TVD: 647.85)
(SSL: -464.65)

SLTST: lt gy, lt brn, slly s&p, slt - l vf gred, w srt, sbang - sbrdd, py cons, cly cmt, qtz, tr mic carb - rr coal flks, arg, tr kao, tr lt cht grs, grdg to slty Ss ip, tt.

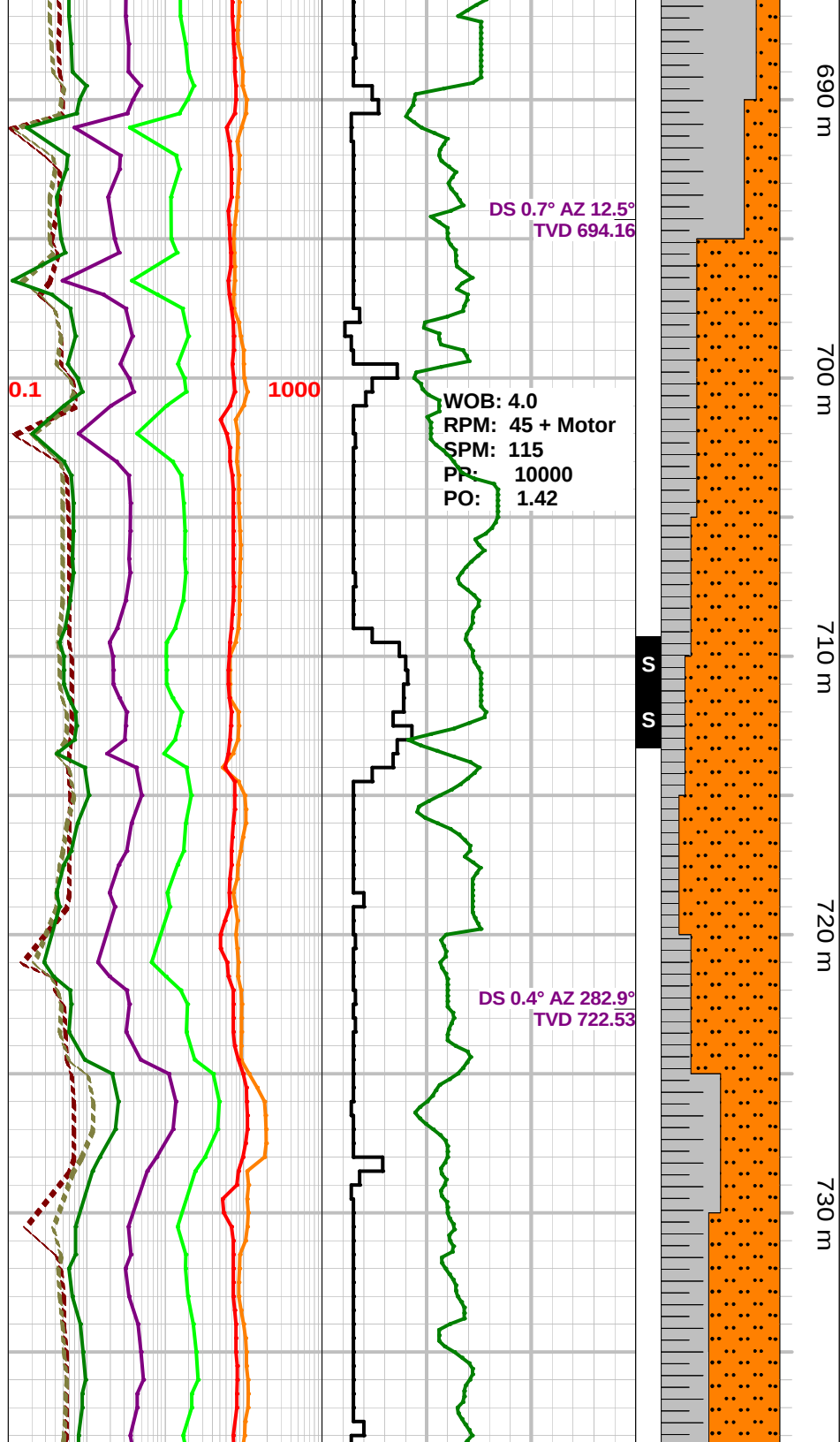
SH: lt gy - occ m gy, sbfis - sbbly, rthy, slty & sdy, v bentic, rr mic carb, rr dism pyr, grdg to arg Slst ip, sft.

SLTST: lt gy, lt brn, slly s&p, slt - l vf gred, w srt, aa.

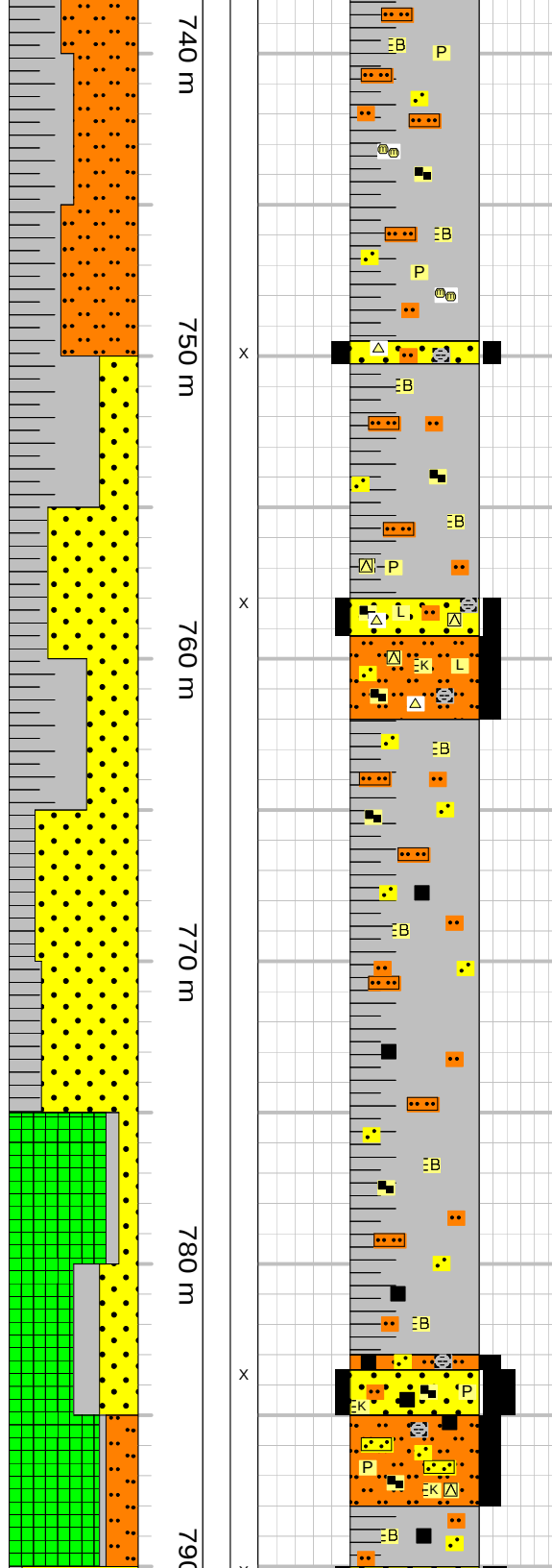
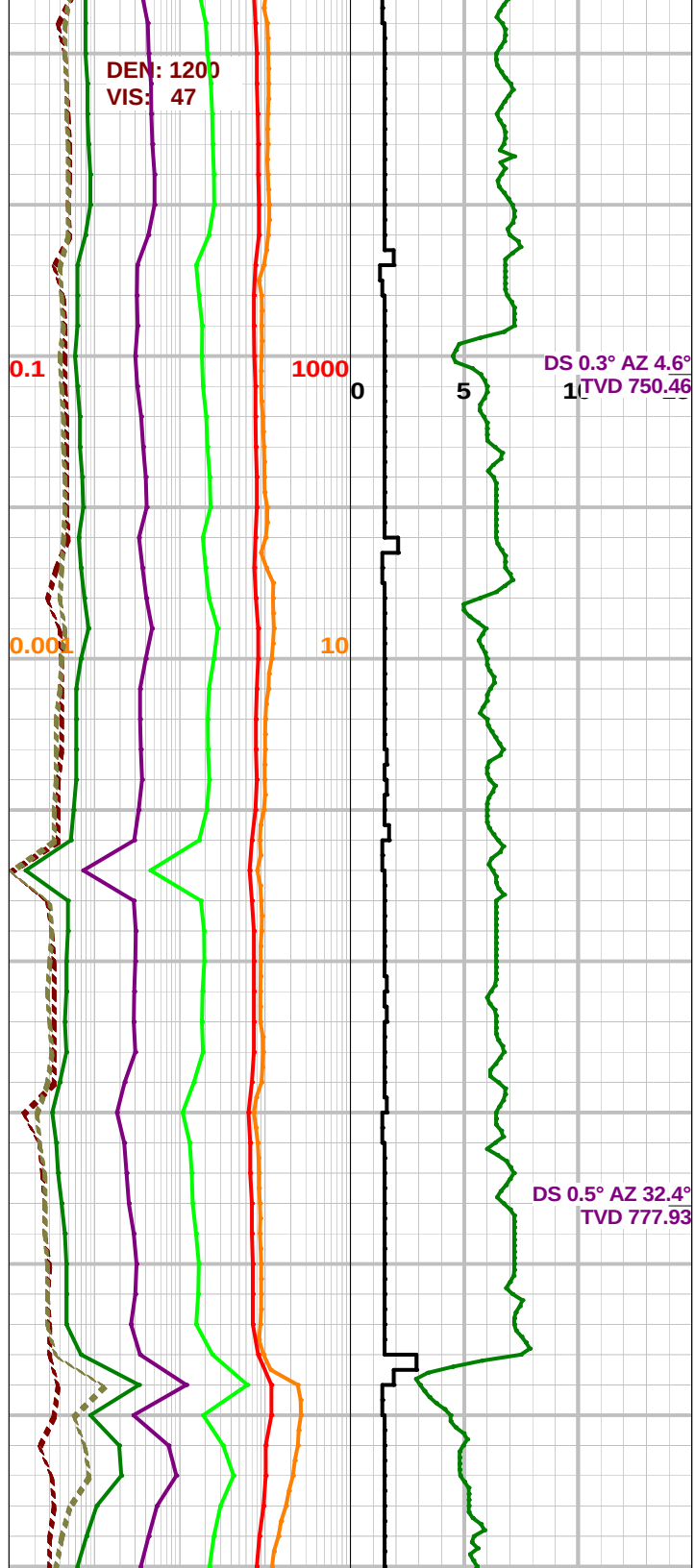
SH: lt gy - occ m gy, sbfis - sbbly, rthy, slty & sdy, v bentic, rr mic carb, rr dism pyr, grdg to arg Slst ip, sft.

SLTST: lt gy, lt brn, slly s&p, slt - l vf gred, w srt, sbang - sbrdd, py cons, cly cmt, qtz, tr mic carb - rr coal flks, arg, tr kao, tr lt cht grs, grdg to slty Ss ip, tt.

SH: lt gy - occ m gy, sbfis - sbbly, rthy, slty & sdy, v bentic, rr mic carb, rr dism pyr, grdg to arg Slst ip, sft.



690 m	x	W a	SLTST: lt gy, slly s&p, slt - l vf gred, w srt, sbang - sbrdd, py cons, cly cmt, qtz, tr mic carb, tr kao, rr dism pyr, tr lt cht grs, arg, grdg to slty Ss ip, tt.
		W r	SH: lt gy, lt brn, sbfis - sbblky, rthy, slty & sdy, tr mic carb, rr dism pyr, bentic, grdg to arg Slst ip, sft, samples washing through screens with water.
700 m		W a	SLTST: lt gy, slly s&p, slt - l vf gred, w srt, sbang - sbrdd, py cons, cly cmt, qtz, tr mic carb, tr kao, rr dism pyr, tr lt cht grs, arg, grdg to slty Ss ip, tt.
		W r	SH: lt gy, lt brn, sbfis - sbblky, rthy, slly slty & sdy, tr mic carb, rr dism pyr, bentic, grdg to arg Slst ip, sft, samples washing through screens with water.
710 m		W a	SLTST: lt gy, lt brn, slly s&p, slt - vf gred, w srt, sbang - sbrdd, py cons, cly cmt, qtz, tr mic carb, arg, tr kao, rr dism pyr, tr lt cht grs, grdg to slty Ss ip, tt - p (0 - 4%) intgran por.
		W r	SH: lt - occ m gy, sbfis - sbblky, rthy, slty & sdy, bentic, rr kao, rr dism pyr, tr mic carb, grdg to arg Slst ip, sft, samples washing away with water.
720 m		W a	SLTST: lt gy, v slly s&p, slt - l vf gred, w srt, aa.
		W r	SH: lt gy, occ m gy, sbfis - sbblky, rthy, slty & sdy, rr mic carb, tr dism pyr, v rr micmica, grdg to arg Slst ip, sft, samples washing through screens with water, poor sample quality, dusty.
730 m		W a	
		W r	



SS /SLTST: lt gy, lt brn, sily s&p, slt - l vf gred, w srt, sbang - sbrdd, py cons, cly cmt, qtz, tr mic carb, tr kao, tr lt cht grs, rr dk lit, grdg to sdy Slstst ip, tt - p (0 - 4%) intgran por.

SH: lt gy, lt brn, sbfis - sbblky, rthy, v slty & sdy, rr mic carb, rr dism pyr, bentic, grdg to arg Slstst ip, sft, samples washing through screens, dusty.

SS /SLTST: lt gy, lt brn, sily s&p, slt - l vf gred, w srt, sbang - sbrdd, py cons, cly cmt, qtz, tr mic carb, tr kao, tr lt cht grs, rr dk lit, grdg to sdy Slstst ip, tt - p (0 - 4%) intgran por.

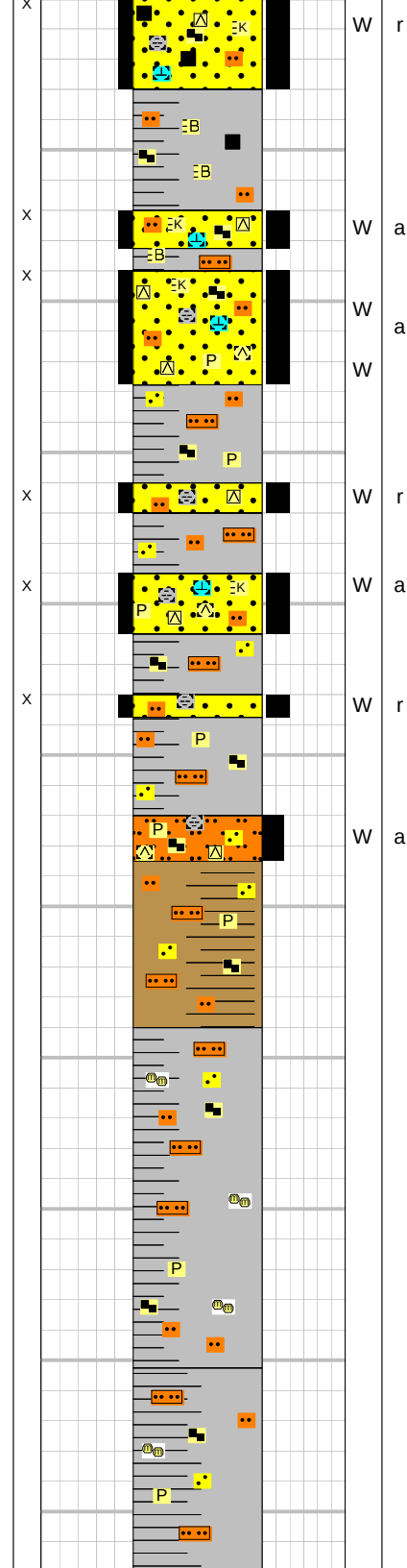
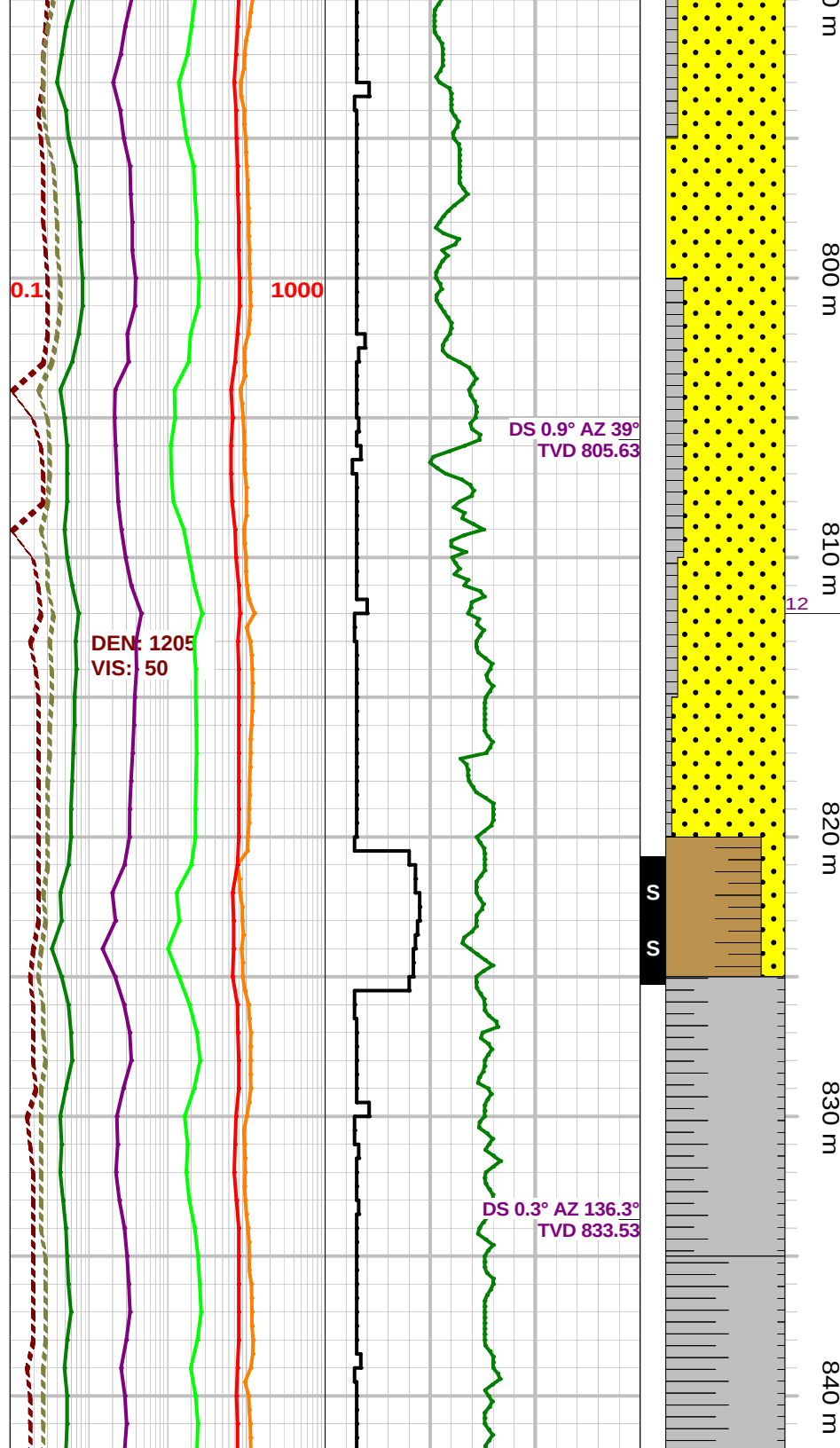
SH: lt gy, lt brn, sbfis - sbblky, rthy, v slty & sdy, rr mic carb - tr coal flks, rr dism pyr, bentic, grdg to arg Slstst ip, sft, samples washing through screens, dusty.

MUD ADDITIVES: CaCl2: clr, off wh, xls.

SH: lt gy, lt brn, sbfis - sbblky, rthy, v slty & sdy, rr mic carb - tr coal flks, rr dism pyr, bentic, grdg to arg Slstst ip, sft, samples washing through screens, dusty.

SS /SLTST: lt gy, occ m gy, sily s&p, slt - l f gred, modly w srt, sbang - sbrdd, py cons, cly cmt, qtz, tr mic carb - tr coal flks, tr - occ kao, rr dism pyr, tt - p (0 - 4%) intgran por.

SS / SLTST: v lt gy, v lt brn, sily s&, slt - vf gred, w srt, sbang - sbrdd, modly cons, cly cmt, sily calcs, qtz, tr - occ mic carb - tr - occ



coal nks, tr kao, tr dk lit, rr fld, p - fr (3 - 6%)
intgran por.

SH: lt gy, lt brn, sbfis - sbblky, rthy, v slty &
sdy, rr mic carb - tr coal flks, rr dism pyr,
bentic, grdg to arg Sltst ip, sft, samples
washing through screens, dusty.

SS: v lt gy, v lt brn, slly s&, slt - vf gred, w
srt, sbang - sbrdd, modly cons, cly cmt, slly
calcs, qtz, tr - occ mic carb - tr - occ coal
flks, tr kao, tr dk lit, rr fld, p - fr (3 - 6%)
intgran por.

SS: lt gy, lt brn, lt gn gy, slt - l vf gred, w srt,
sbang - sbrdd, py - modly cons, cly cmt, slly
calcs, slly sils, qtz, tr - occ mic carb, tr kao,
arg ip, rr mic mica flks, p - fr (3 - 6%) intgran
por.

SH: lt gy, lt brn, sbfis - sbblky, rthy, slty &
sdy, tr mic carb, tr coal flks, rr dism pyr, rr
kao, grdg to arg Sltst, sft, samples washing
away.

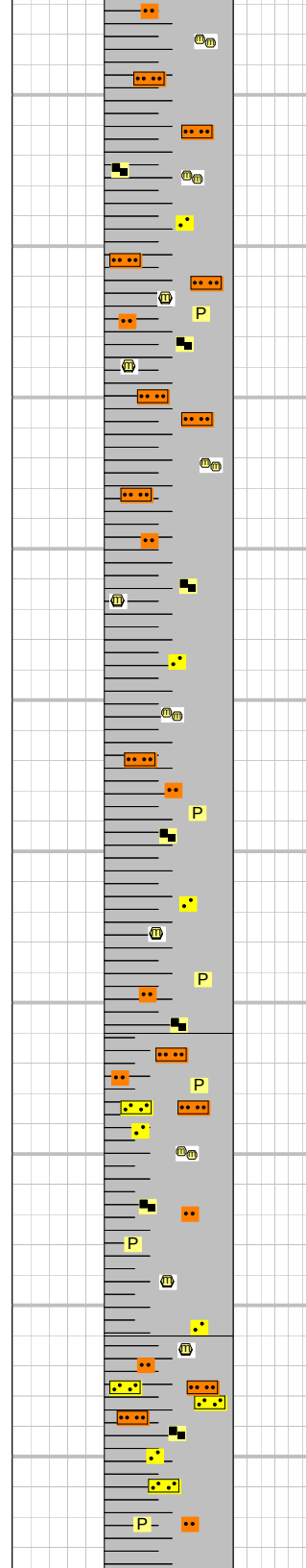
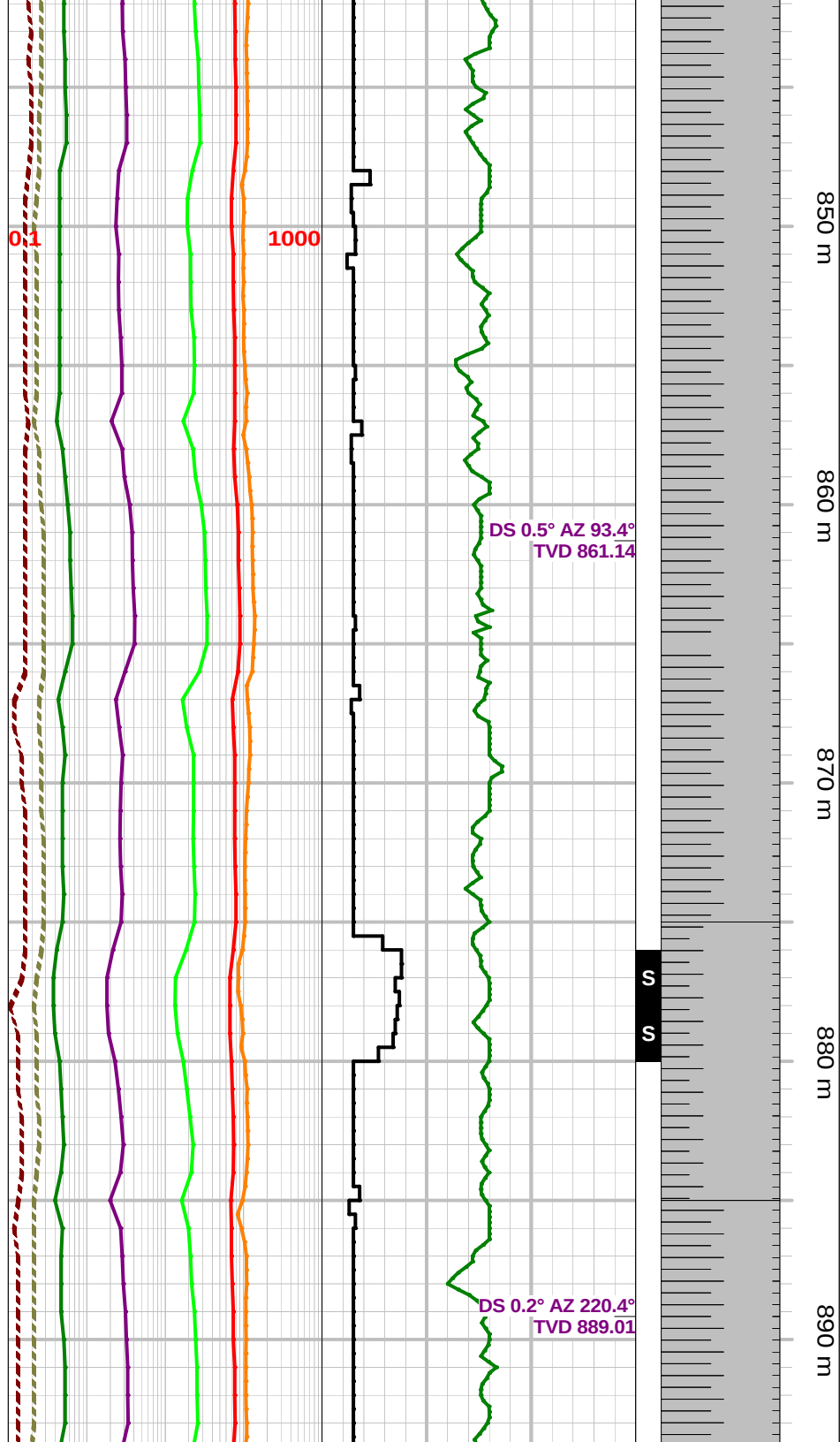
Lower Imperial
(TVD: 811.85)
(SSL: -628.65)

SH: lt gy, lt brn, sbfis - sbblky, rthy, slty &
sdy, tr mic carb, tr coal flks, rr dism pyr, rr
kao, grdg to arg Sltst, sft, samples washing
away.

SH: lt brn, lt gy, sbfis - sbblky, rthy, v slty &
sdy, rr mic carb, v rr dism pyr, tr Sltst Inss &
strgs, frm.

SH: lt - occ m gy, lt brn, sbfis - sbblky, rthy,
slly slty & sdy, rr mic carb, rr dism pyr, tr -
occ mic mica, tr Sltst Inss, frm.

SH: m gy, m brn gy, sbfis - sbblky, rthy, slty
& sdy, tr mic carb, tr coal flks, rr kao, rr dism
pyr, occ mic mica, tr Sltst Inss, frm.



SH: m gy, m brn gy, sbfis - sbblky, slly slty & sdy, tr mic carb, tr mica flks, tr mic mica, rr dism pyr, tr Sltst Inss & strgs, frm.

SH: m gy, m brn gy, sbfis - sbblky, slly slty & sdy, tr mic carb, tr mica flks, tr mic mica, rr dism pyr, rr Sltst Inss & strgs, frm.

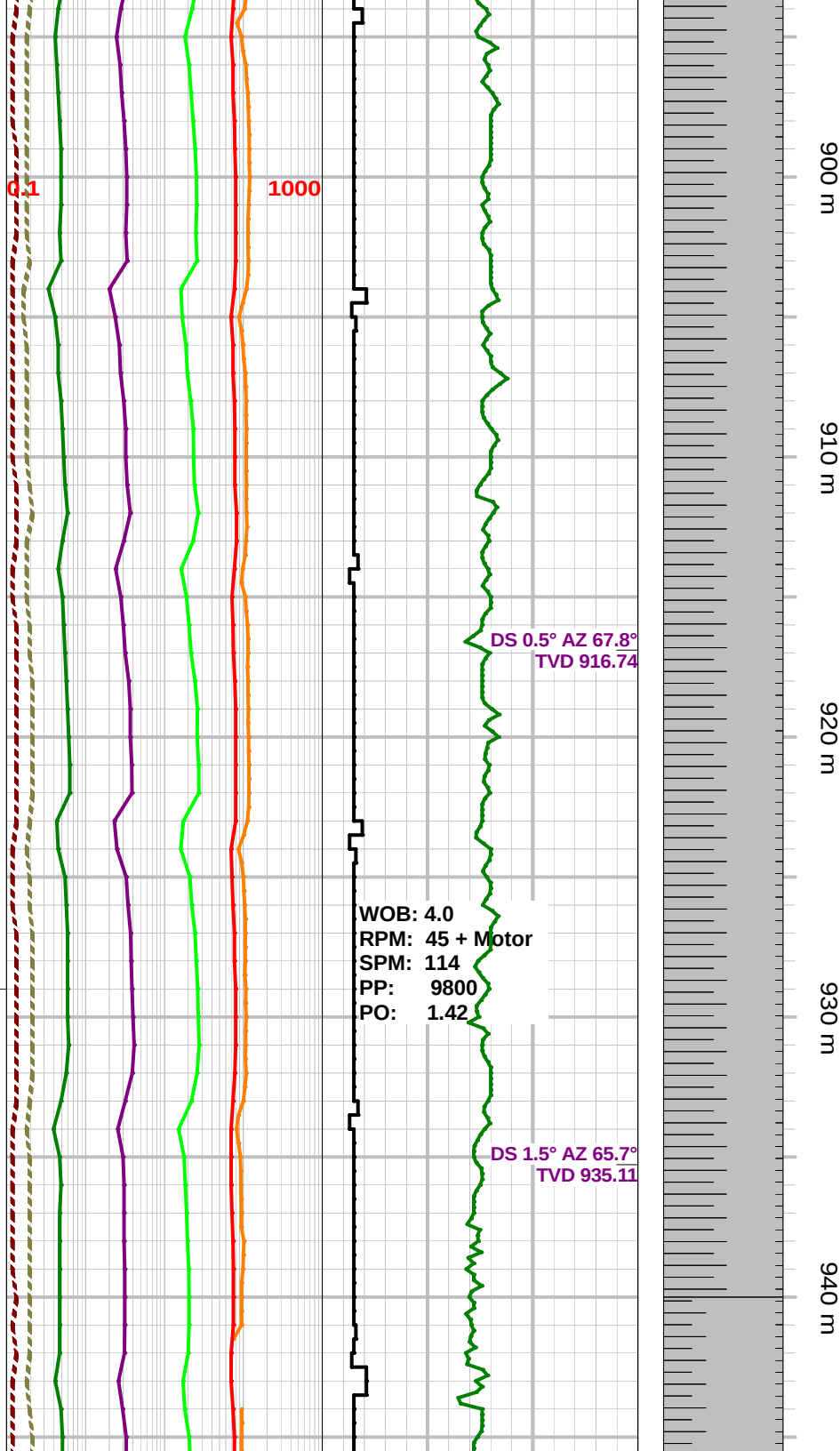
SH: m gy, m brn gy, sbfis - sbblky, slly slty & sdy, tr mic carb, tr mica flks, tr mic mica, rr dism pyr, tr Sltst & Ss Inss & strgs, frm.

SH: lt gy - occ m gy, sbfis - sbblky, slly slty & sdy, tr mic carb, tr mica flks, tr mic mica, rr dism pyr, tr Sltst & Ss Inss & strgs, frm.

SH: lt gy - m gy, dkr than abv, sbfis - sbblky, aa.

SH: lt - m gy, slly brnsh, sbfis - sbblky, rthy, slty & sdy, rr mic carb, rr dism pyr, tr mic mica, tr lt gy Sltst & Ss Inss, frm.

2/26/2012



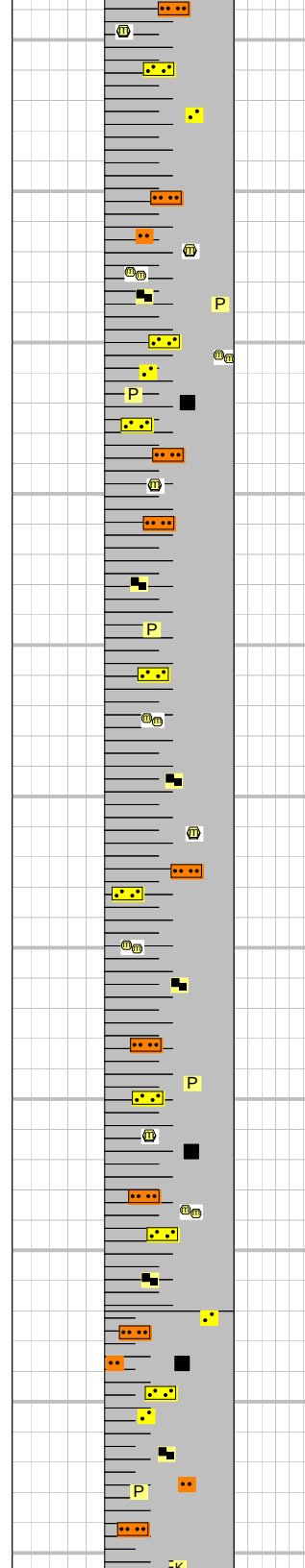
900 m

910 m

920 m

930 m

940 m



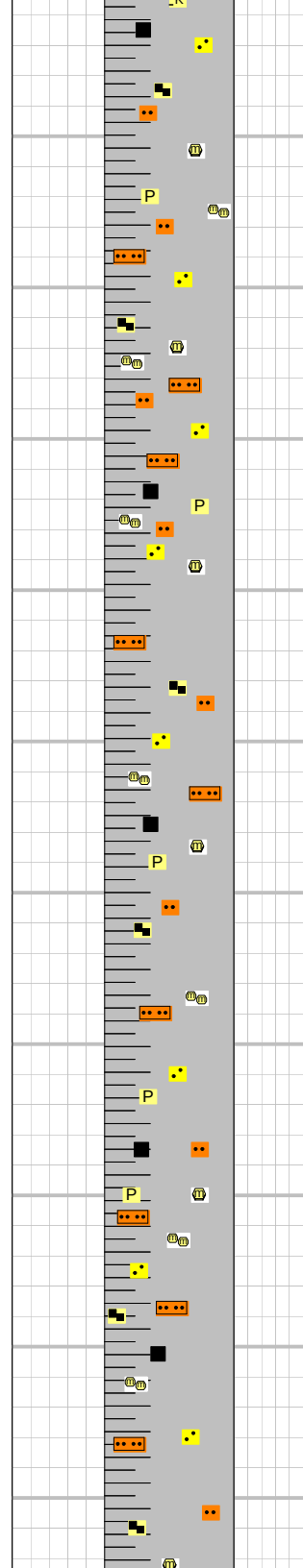
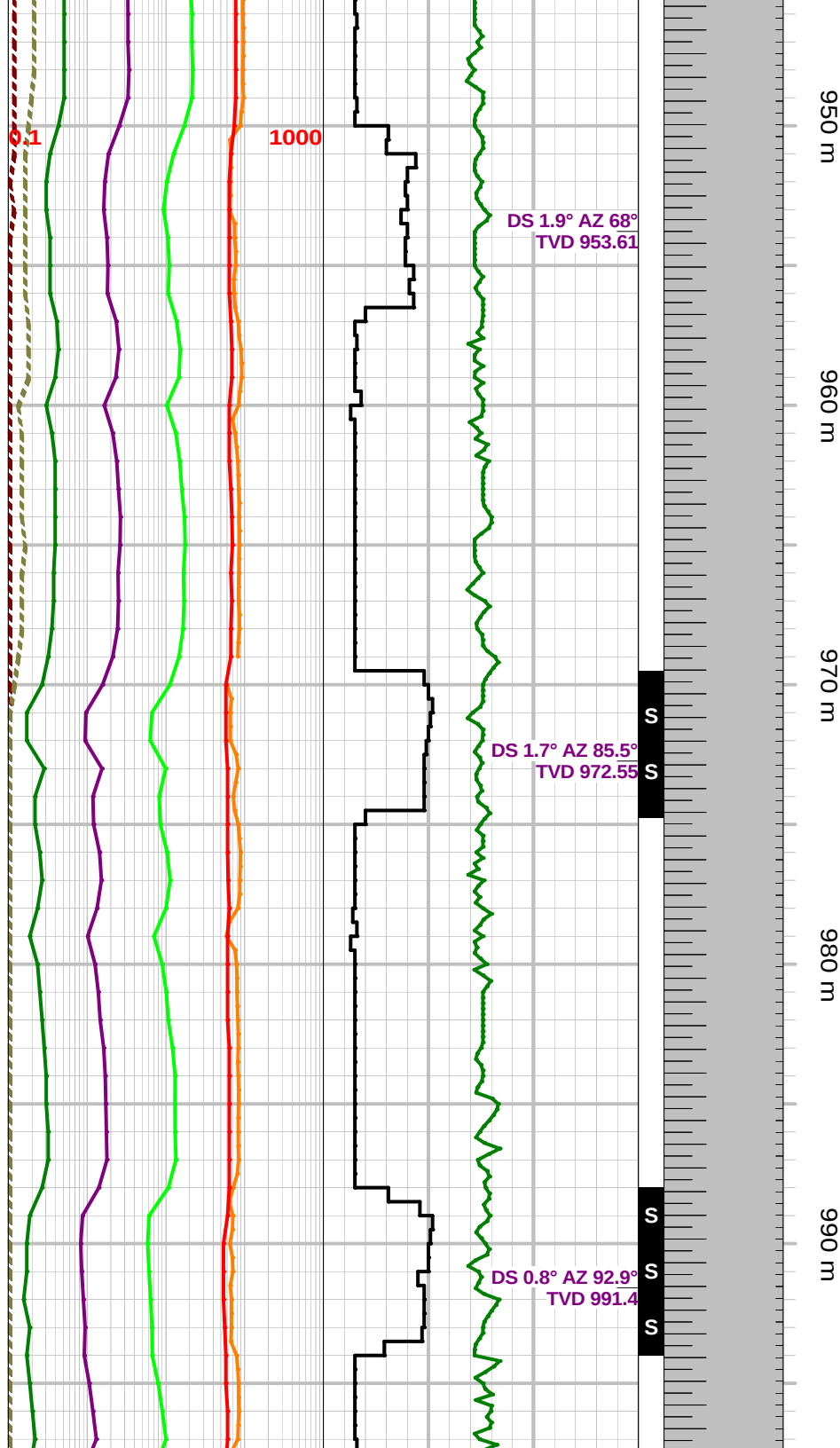
SH: lt - m gy, rr lt - m brn, sbfis - sbblky, slly slty & sdy, rr mic carb - rr coal flks, v rr mica flks, tr mic mica, tr lt gy Sltst & Ss strgs, frm.

SH: lt - m gy, rr lt - m brn, sbfis - sbblky, rthy, slly slty & sdy, rr mic carb, v rr mica flks, tr mic mica, tr lt gy Sltst & Ss strgs, frm.

SH: m gy, occ m brn gy, sbfis - sbblky, rthy, slly slty & sdy, rr mic carb - v rr coal flks, rr - tr mic mica, v rr mica flks, tr lt - m gy Sltst & Ss Inss, frm.

SH: lt - m gy, ltr than abv, slly brnsh, sbfis - sbblky, rthy, slly slty & sdy, rr mic carb - v rr coal flks, rr - tr mic mica, v rr mica flks, tr lt - m gy Sltst & Ss Inss, frm.

SH: lt gy, sbfis - sbblky, rthy, slty & sdy, rr mic carb - rr coal flks, rr - tr mica flks, rr kao, rr dism pyr & v r pyric strs, tr Sltst Inss, frm.



SH: lt gy, tr - occ m gy, lt brn ip, sbfis - sbbkly, rthy, slly slty & sdy, rr mic carb - rr coal flks, v rr dism pyr, rr mica flks, tr mic mica, rr Slst Inss, frm.

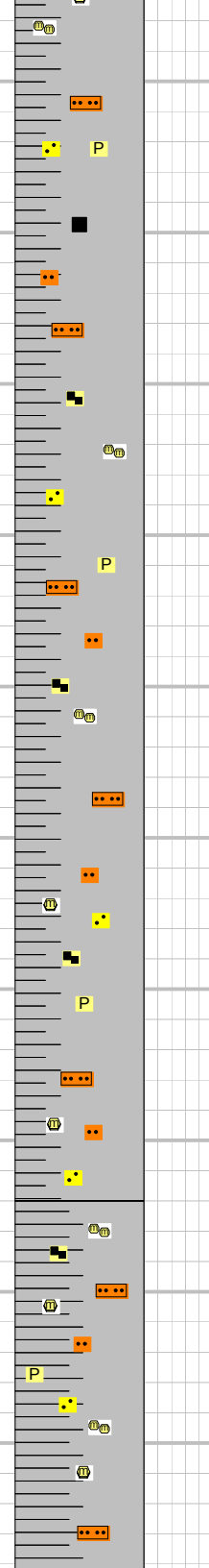
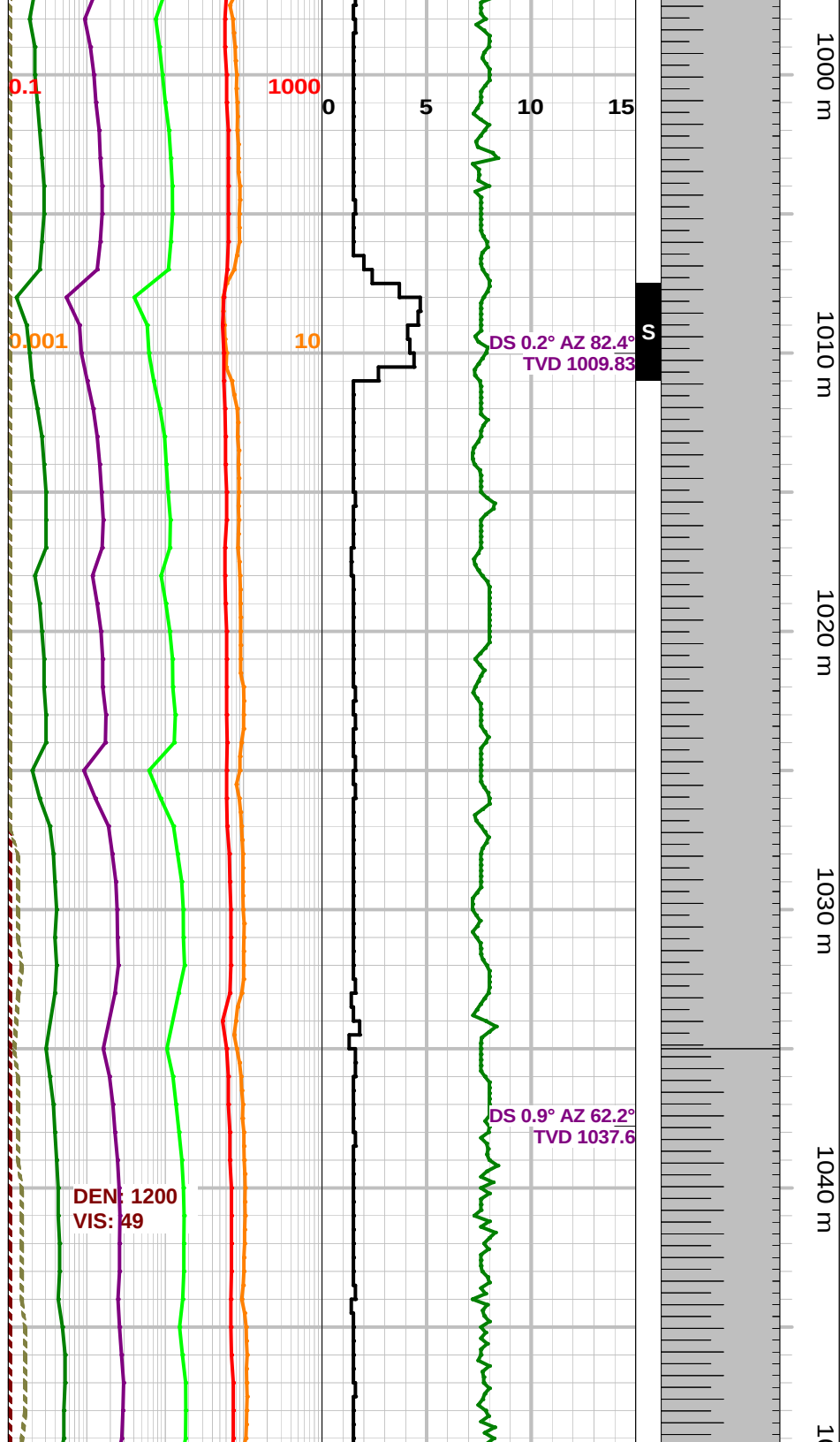
SH: lt gy, tr - occ m gy, lt brn ip, sbfis - sbbkly, rthy, slly slty & sdy, rr mic carb - rr coal flks, v rr dism pyr, v rr pyric blebs, tr mica flks, tr mic mica, rr Slst Inss, frm.

SH: lt gy - tr m gy, lt brn gy, sbfis - sbbkly, rthy, slly slty & sdy, tr mic carb - tr coal flks, tr mica flks, tr mic mica, rr dism pyr, rr Slst Inss, frm.

SH: lt gy - tr m gy, lt brn gy, sbfis - sbbkly, rthy, tr Slst Inss, aa.

SH: lt gy - occ m gy, lt brn gy, sbfis - sbbkly, rthy, slly slty & sdy, rr - tr mic carb - rr coal flks, rr mica flks, rr - tr mic mica, v rr dism pyr, rr lt gy Slst Inss, frm.

SH: lt gy - occ m gy, lt brn gy, sbfis - sbbkly, rthy, slly slty & sdy, tr mic carb - tr coal flks,



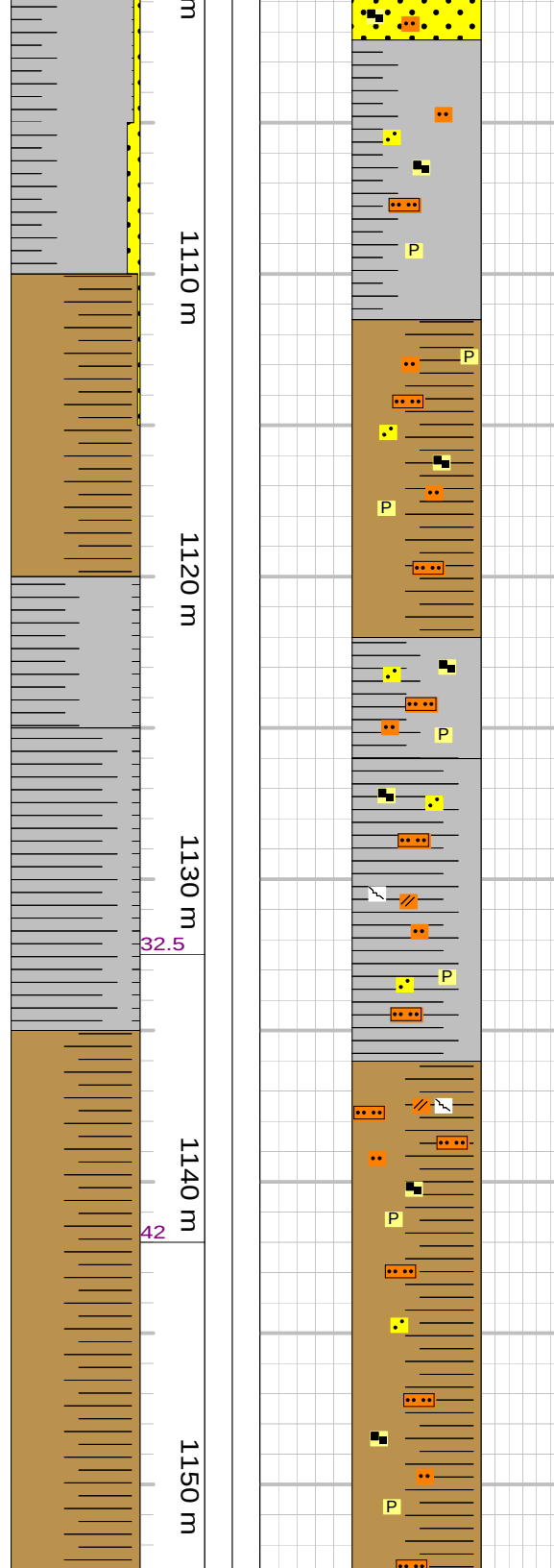
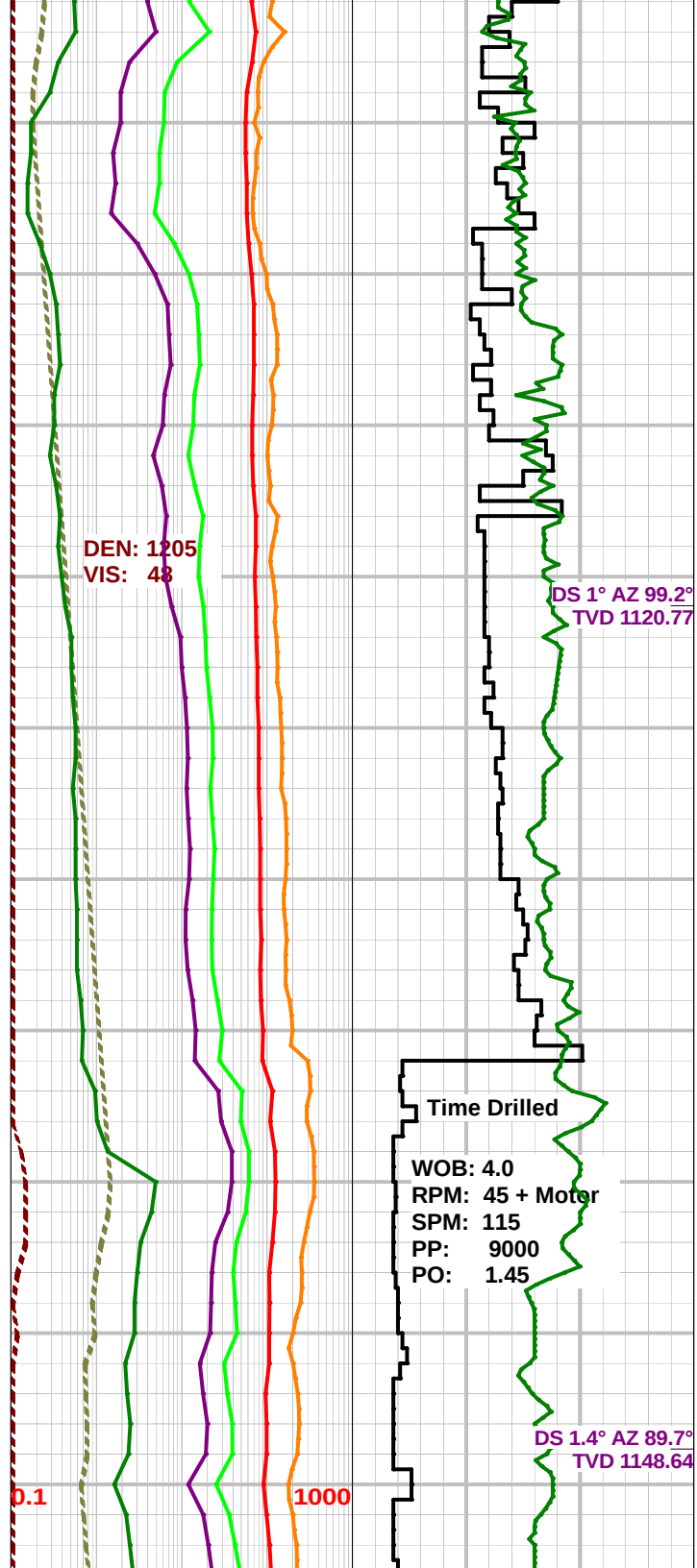
lt gy Sltst Inss, frm.

SH: lt - m gy, lt brn gy, sbfis - sbbiky, rthy, slly slty & sdy, rr mic carb, v rr dism pyr, tr mic micas, rr Sltst Inss, frm.

SH: lt - m gy, lt brn gy, sbfis - sbbiky, rthy, slly slty & sdy - slty & sdy ip, rr mic carb, tr mica flks, rr Sltst Inss, frm.

SH: m gy, lt gy ip, lt brn gy, sbfis - sbbiky, rthy, slly slty & sdy - slty & sdy ip, rr - tr mic carb, tr mic micas, tr mica flks, grdg to arg Sltst, frm.

SH: lt - m gy, lt brn gy, sbfis - sbbiky, slly slty & sdy, rr mic carb, rr - tr dism pyr, tr mic micas tr Sltst Inss, frm.



SS: lt gy, lt brn ip, slt - vr gred, w srt, sbang - sbrdd, py cons, qtz, rr mic carb, rr dism pyr, v rr dk lit, tt - p (0 - 3%) intgran por.

SH: lt gy, lt brn, sbblky - sbfis, rthy, v sly slty & sdy, rr mic carb, rr dism pyr, tr Slst Inss, slt - frm

SH: m - dk brn, tr dk gy, sbfis - sbblky, rthy, slty & sdy, rr mic carb, rr - tr dism pyr, tr Slst Inss, sft - frm.

SH: m - dk brn, sly ltr in color, tr dk gy, sbfis - sbblky, rthy, aa.

SH: m - dk gy, m - dk brn, sbfis - sbblky, sly slty & sdy, rr mic carb, rr - tr dism pyr, tr Slst Inss, sft - frm.

SH: dk gy, m - dk brn, rr blk, sbfis - sbblky, rthy, slty & sdy, carb, tr anhy fld micfracs, rr - tr dism pyr, sft.

Upper Canol (TVD: 1132.31) (SSL: -949.11)

SH: dk brn, lt brn ip, sbblky, rthy, slty & sdy, carb, tr dism pyr, rr anhy fld micfracs, sft - frm.

Middle Canol (TVD: 1141.81) (SSL: -958.61)

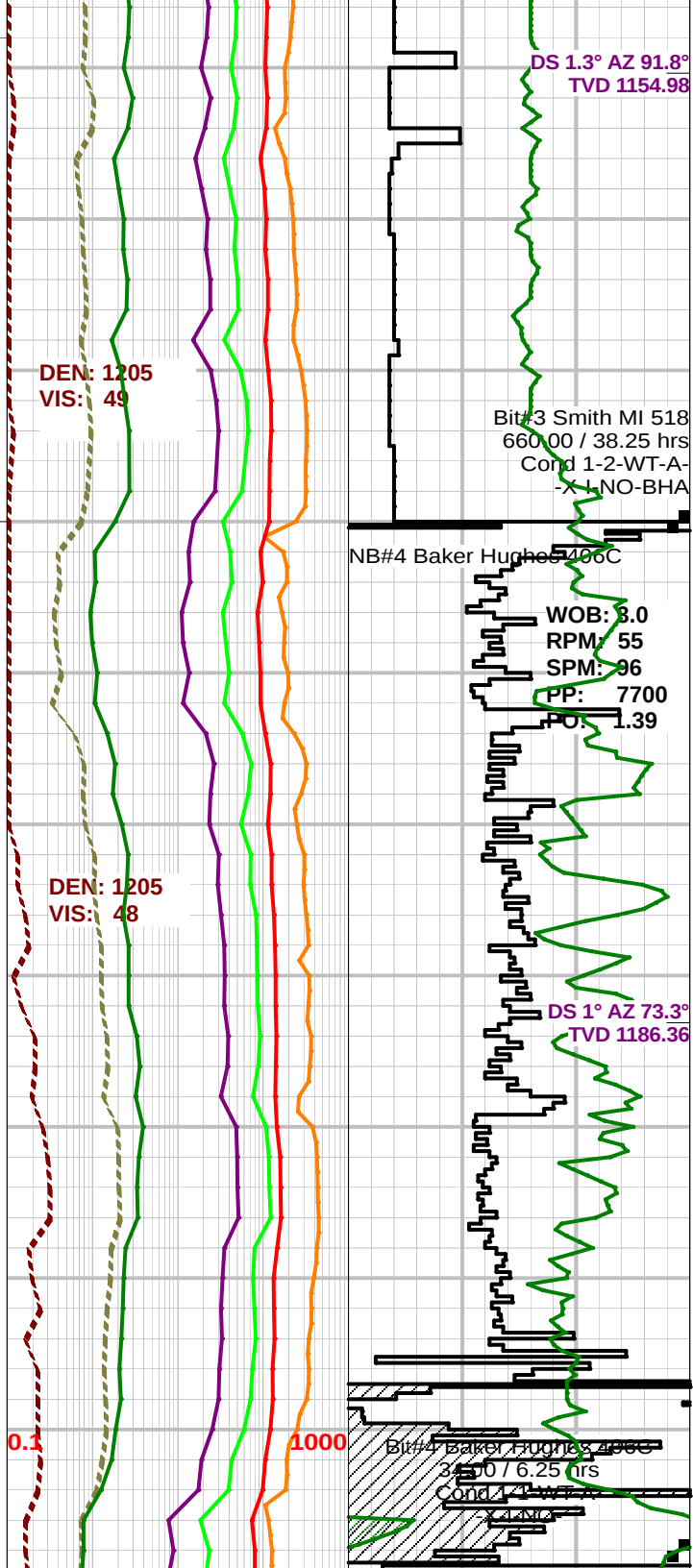
SH: lt brn, m - dk brn ip, sbfis - sbblky, rthy, sly slty & sdy, rr mic dism pyr, carb, rr Slst Inss, sft - frm.

SH: lt brn, m - dk brn ip, sbfis - sbblky, rthy, sly slty & sdy, rr mic dism pyr, carb, rr coal flks, rr Slst Inss, sft - frm.

SH: lt - m brn, app much dkr dry, sbfis -

Feb 2, 2012

Feb 28, 2012



1160 m

1170 m

1180 m

1190 m

1200 m

67.9

SH: lt - m brn, dkr than abv, app much dkr dry, sbfis - sbbly, rr dism pyr, tr coal flks, sly bits, frm.

SH: m brn - occ dk brn, sbfis - sbbly, rthy, sly slty & sdy, carb, sly bits, rr - tr dism pyr, rr pyr blebs, frm.

Lower Canol
(TVD: 1167.70)
(SSL: -984.50)

1170.9 - 1170.9m SH: dk brn - blk, dk gy, sly sbfis, rthy, v sly slty, carb ip, bits, tr dism pyr, frm.

1173.9 - 1173.9m SH: dk brn, dk gy, blksh, sly sbfis, rthy, v sly slty, rr mic carb, tr dism pyr, tr pyric str, frm.

1179.9 - 1179.9m SH: dk gy - blk, dk brn, sly sbfis, rthy, bits, tr coal flks, tr pyr blebs & str, tr dism pyr, rr mic fracs, tr m brn str, pyric nods, frm.

1186.6 - 1186.6m SH: dk gy, dk brn, blk ip, sly sbfis, rthy, v sly slty, tr coal flks, sly bits, rr dism pyr, sft - frm.

SH: dk gy, dk brn, occ blk, sbfis - sbbly, rthy, slty & sdy, carb, bits, rr sks, tr - occ dism pyr, sft, no flor, slow bri milky yel & blomg cut, tr m brn o resd.

SH: dk gy - dk brn, blk ip, sbfis - sbbly, rthy, slty & sdy ip, carb - coaly ip, bits ip, t dism pyr, tr pyric str & nods, poss sks, rr - tr calcs fld micfracs, sft - frm, no flor, fast bri milky yel blomg & stmg cut.

1199 - 1199m SH: dk gy - blk, sly sbfis, v sly slty, v carb - v coaly, v bits, tr dism pyr, sft.

1204.4 - 1204.4m SH: blk, dk gy, sbfis - sbbly, wxy, sly slty carb, coal flks, bits, fr.

1 (85.29%)

Mar 1, 2012

Mar 2, 2012

DEN: 1290
VIS: 50

DEN: 1250 - 1280
VIS: 49 - 51
Running Centrifuge

DEN: 1250
VIS: 58

NB#5RR Baker Hughes 406C

WOB: 3.0
RPM: 55
SPM: 97
PP: 7200
PO: 1.24

DS 0.6° AZ 86.8°
TVD 1214.05

Bit#5RR Baker Hughes 406C
20.40 / 1 hrs
Cond 1-1-WT-A-
-X-I-NO

WOB: 2.5
RPM: 45
SPM: 97
PP: 7100
PO: 1.21

Bit#6 Baker Hughes 406C
18.80 / 4.25 hrs
Cond 1-1-WT-A-
-X-I-NO-BHA

NB#7RR Baker Hughes 406C

WOB: 2.5
RPM: 45
SPM: 97
PP: 7600
PO: 1.22

Bit#7RR Baker Hughes 406C
15.40 / 3.5 hrs
Cond 1-1-WT-A-
-X-I-NO-BHA
Bit#9RR Baker Hughes 406C

1210 m

1220 m

1230 m

1240 m

1250 m

46.8

SH: dk gy, dk brn gy, sbfis - sbblky, rthy, slty & sdy, carb, occ bits, tr dism pyr & pyric str, sft - frm, no flor, fast bri yel blomg & stmng cut, occ m brn o resd.

1210.4 - 1210.4m SH: dk gy, blksh, wxy, slly slty & sdy, carb, tr - occ coal flks, bits, tr dism pyr, tr pyric str, tr calcs along sks, sft - frm.

SH: dk brn gy, dk gy brn, tr blk, sbfis - sbblky, rthy, slty & sdy, carb coaly - bits ip, tr dism pyr, sft - fr, no flor, fast bri milky yel blomg & stmng cut, occ m brn o resd.

1231.2 - 1231.2m SH: dk gy, blk, rthy, bcmg wxy, slly slty & sdy, carb, slly bits, conch fracs, rr dism pyr, sks, tr dism pyr, tr pyr nods, frm.

1235.8 - 1235.8m SH: dk gy, rthy, wxy ip, slty & sdy, occ carb, slly bits, tr dism pyr, rr calcs fld micfracs, frm.

1238.8 - 1238.8m SH: dk gy, rthy, wxy ip, slty & sdy, occ carb, slly bits, tr dism pyr, rr calcs fld micfracs, pos conch fracs, frm.

1244.2 - 1244.2m SH: dk gy, dk brn, slly sbfis, rthy, wxy ip, slly slty, carb, tr pyric str, coaly ip, bits - pyrbt ip, slly calcs - calcs ip, frm.

Hare Indian
(TVD: 1246.59)
(SSL: -1063.39)

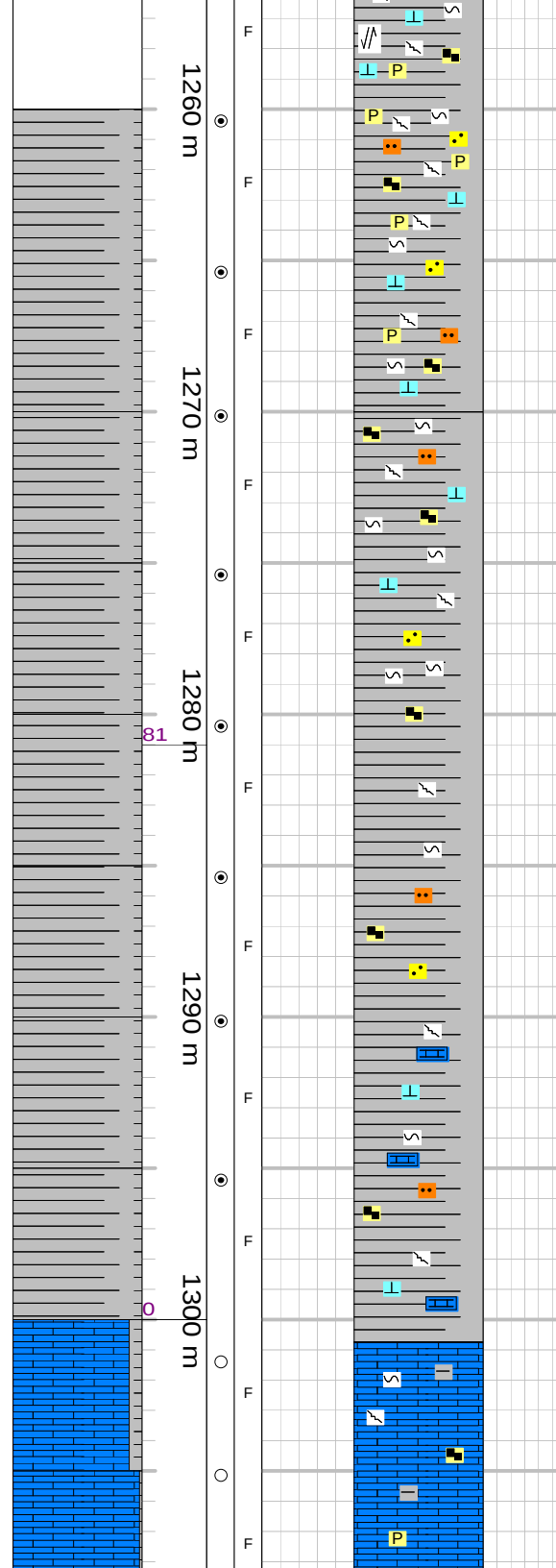
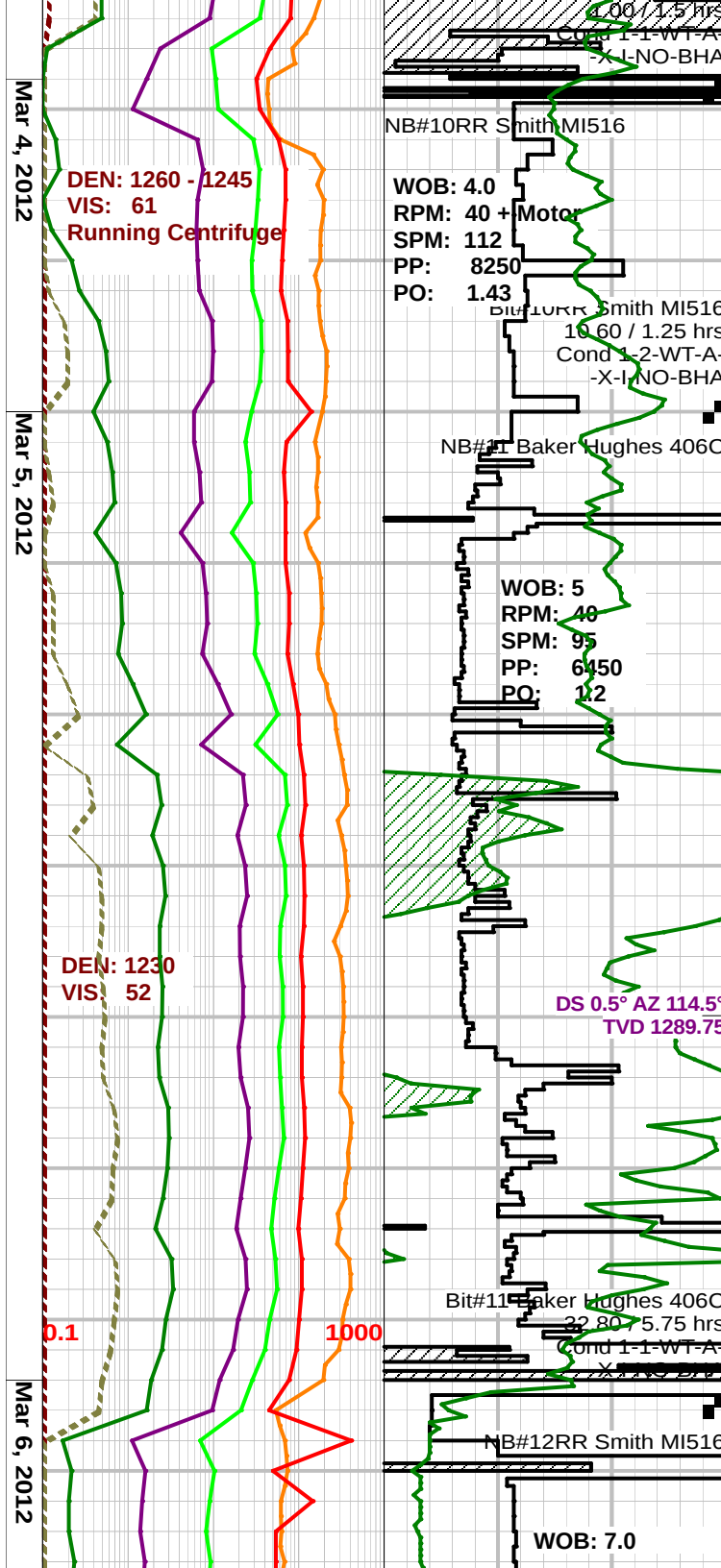
1245 - 1250m SH: dk brn gy, dk gy brn, blk ip, sbfis - sbblky, sbfis - sbblky, rthy, slty & sdy, carb - coaly - bits, sks, tr calcs fld micfracs, tr dism pyr, tr pyric str & nods, sft - frm, no flor, fast bri milky yel blomg & stmng cut.

1256.6 - 1256.6m SH: dk gy, dk brn, slly

2 (91.3%)

3 (96.81%)

4 (97.4%)



dism pyr, tr pyritic str & blebs, tr mic fracs, tr calcs fld micfracs, calcs ip, frm.

1258.4 - 1258.4m SH: dk gy, blksh, fracd, rthy, sily bits, slty & sdy, carb - bits ip, occ - com dism pyr, occ pyric blebs & nods, occ calcs fld micfracs, occ sks, frm - brit ip.

SH: dk brn gy, dk gy brn, blk ip, sbfis - sbblky, sily rthy - wxy, slty & sdy, carb - bits, occ sks, occ calcs fld micfracs, tr - occ dism pyr, tr pyric str & nods, sft - frm, no flor, fast bri milky yel blong & stmg cut.

SH: dk brn gy, dk gy brn, blk ip, sbfis - sbblky, rthy - sily wxy, slty & sdy, carb - bits, rr - tr sks, rr - tr calcs fld micfracs, tr dism pyr, rr pyric str, sft - frm, no flor.

SH: dk gy, m - dk brn, blk ip, sbfis - sbblky, rthy - sily wxy, sily slty & sdy, occ carb, bits ip, tr dism pyr, rr pyric str, tr calcs fld micfracs, sft - frm, no flor, fast bri milky yel blong & stmg cut, occ m brn o resd.

Bluefish
(TVD: 1280.79)
(SSL: -1097.59)

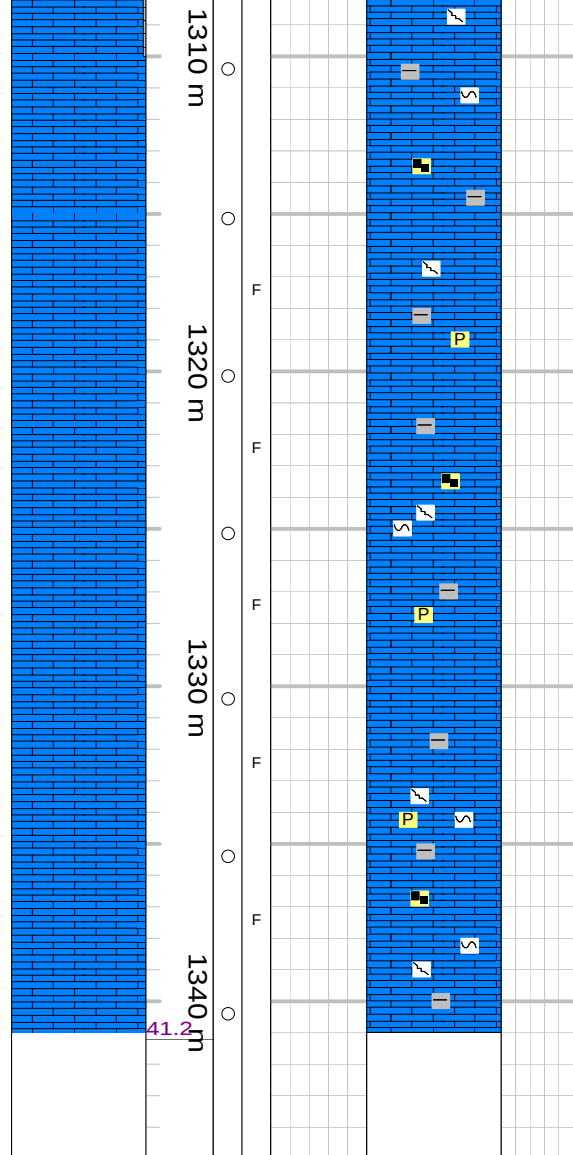
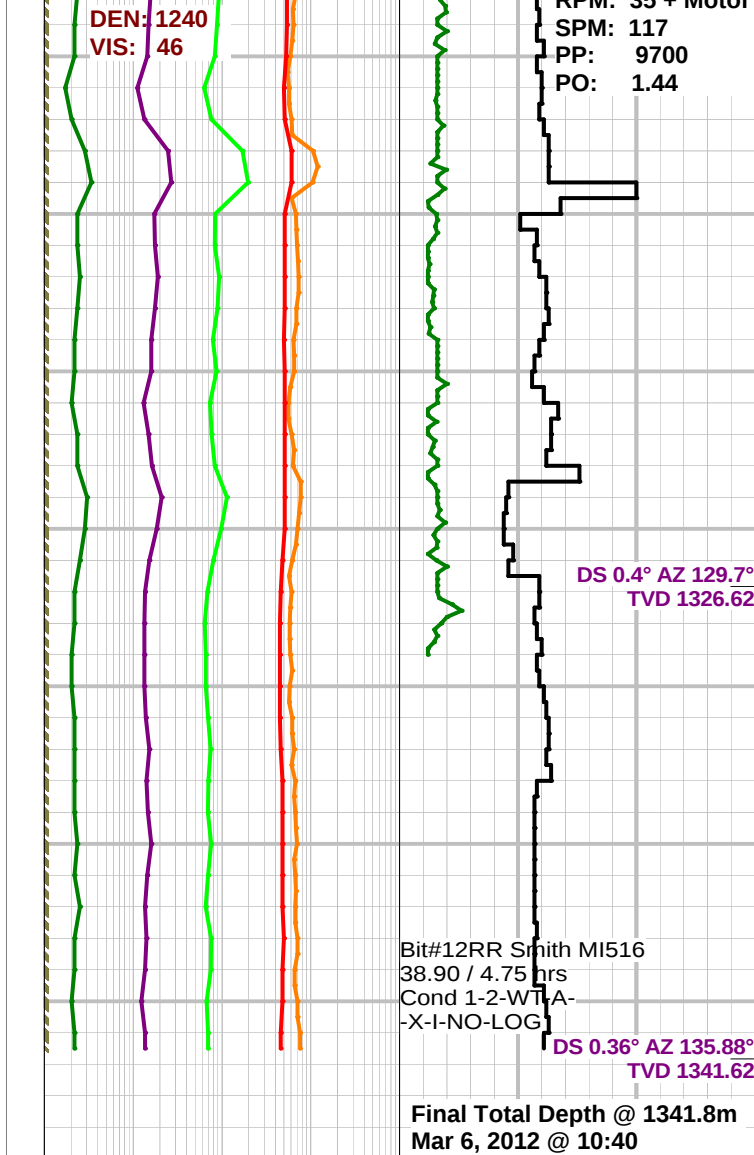
SH: dk gy, m - dk brn, blksh ip, sbfis - sbblky, rthy, - sily wxy, sily slty & sdy, occ carb, bits ip, rr sks, tr dism pyr, rr pyric str & blebs, rr calcs fld micfracs, rr off wh arg Ls Inss, sft - frm, no flor, mod bri milky yel blong & stmg cut, tr m brn o resd.

1290.9 - 1290.9m SH: dk gy - blk, sily hockey pucks, sily rthy - wxy, shiny ip, sily slty & sdy, tr dism pyr, tr calcs fld micfracs, tr - occ sks, frm, brit ip.

Hume
(TVD: 1299.79)
(SSL: -1116.59)

LS: lt brn, lt yel brn, sily mot, crpxl - micxl, rr coal flks, rr dism pyr, arg, v rr bits, tt.

LS: m brn, lt brn, mot ip, crpxl - micxl, mas,



dns, arg, v rr dism pyr, rr bits matl, rr coal flks, rr - tr calcs fld micfracs, tt, no flor, no flor, v slow bri milky yel blomg & stmg cut.

LS: m brn, lt brn, bcmg dkr in color than abv, mot ip, crpxl - micxl, mas, dns, arg, v rr dism pyr, rr bits matl, rr coal flks, rr - tr calcs fld micfracs, tt, no flor, no flor, v slow bri milky yel blomg & stmg cut.

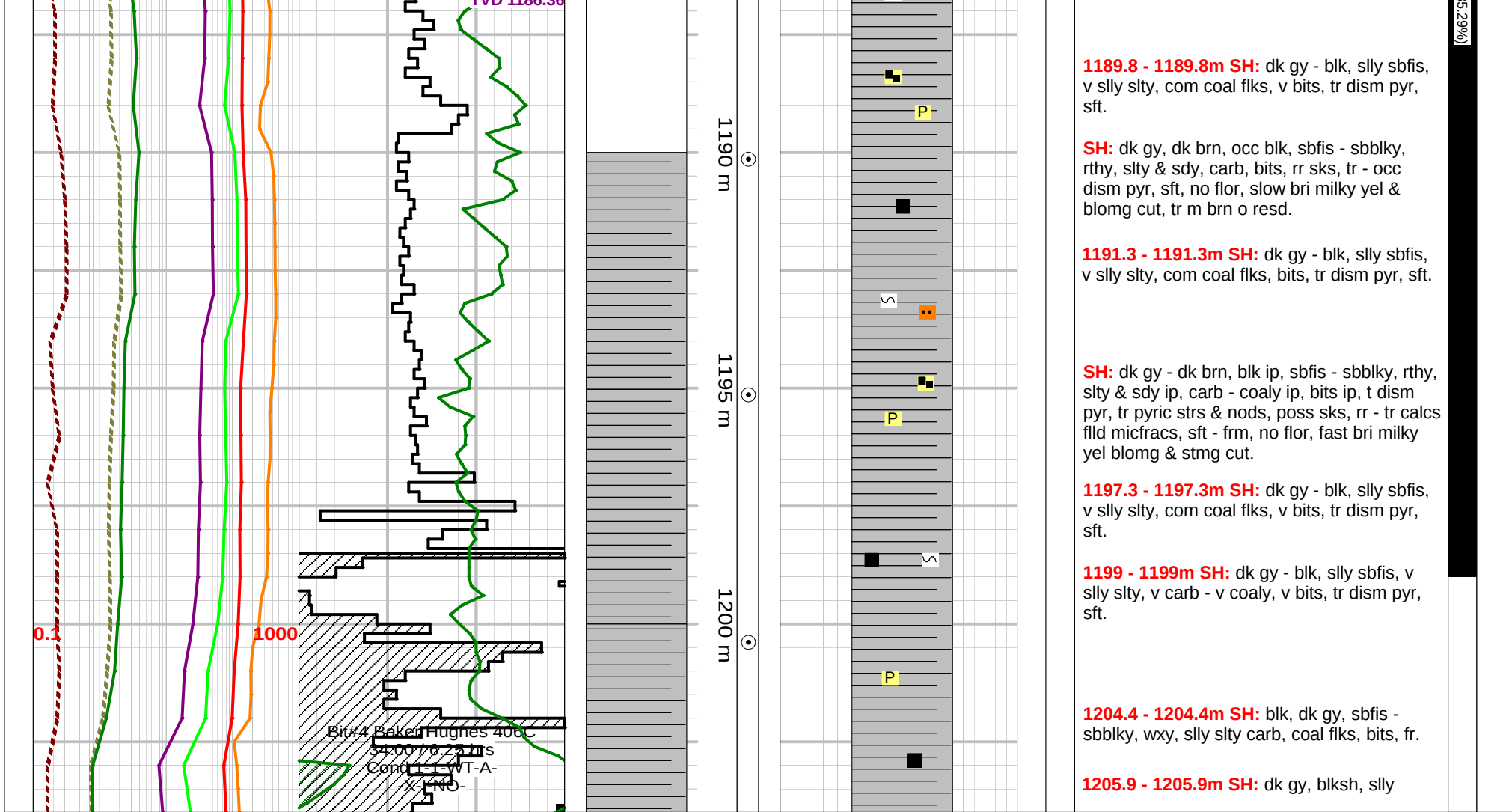
LS: lt - m brn, mot ip, crpxl - micxl, mas, dns, arg, v rr dism pyr, rr bits matl, rr coal flks, rr - tr calcs fld micfracs, tt, no flor, no flor, v slow bri milky yel blomg & stmg cut.

LS: off wh, v lt brn - lt brn, mot ip, crpxl - micxl, mas, dns, rr coal flks, bits ip, occ wh calcs fld mic fracs, v rr dism pyr, sft ip, - frm, tt, no flor, v slow bri yel blomg & stmg cut.

LS: lt - m brn, off wh, slly mot, crpxl - micxl, mas, dns, rr coal flks, tr bits matl, v rr dism pyr, arg, tr - occ wh calcs fld micfracs, sft - frm, tt, no flor, v slow bri yel blomg & stmg cut.

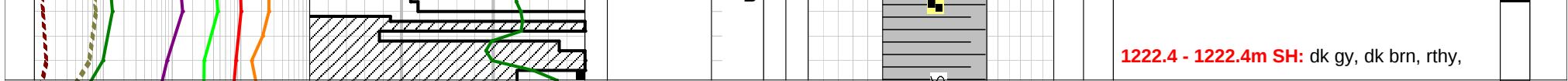
Expanded Core Log (1:120) Feb 28, 2012
Core #1 Interval: 1170.00m to 1204.00m Cut: 34m Recovered: 29m (85.29%)

Casing Data		Lithology Description	
Core			
Husky Slater River H-64 NEB # 462			
Rounding		Lithology Description	
Sorting			
Grain Size			
Interpreted Lithology			
Porosity (%)			
Oil Shows			
Depth			
Lithology			
Slide - Rotate			
Mud Gas		Drilling Progress	
Pason Gas (%)		Drill Rate (min/m)	
0.001	10	5 10 15	
C5 (Total Pentanes) (ppm)	100000	MWD Gamma (gapi)	
10	100000	50 100 150	
C4 (Total Butanes) (ppm)	100000		
10	100000		
C3 (Propane) (ppm)	100000		
10	100000		
C2 (Ethane) (ppm)	100000		
10	100000		
C1 (Methane) (ppm)	100000		
10	100000		
TG (Total Gas) (units)	10000		
0.1	10000		
Date			
Feb 28, 2012			
NB#4 Baker Hughes 4066		WOB: 3.0 RPM: 65 SPM: 96 PP: 7700 PO: 1.39	
DEN: 1205 VIS: 48		DS 1° AZ 73.3° TVD 1186.36	

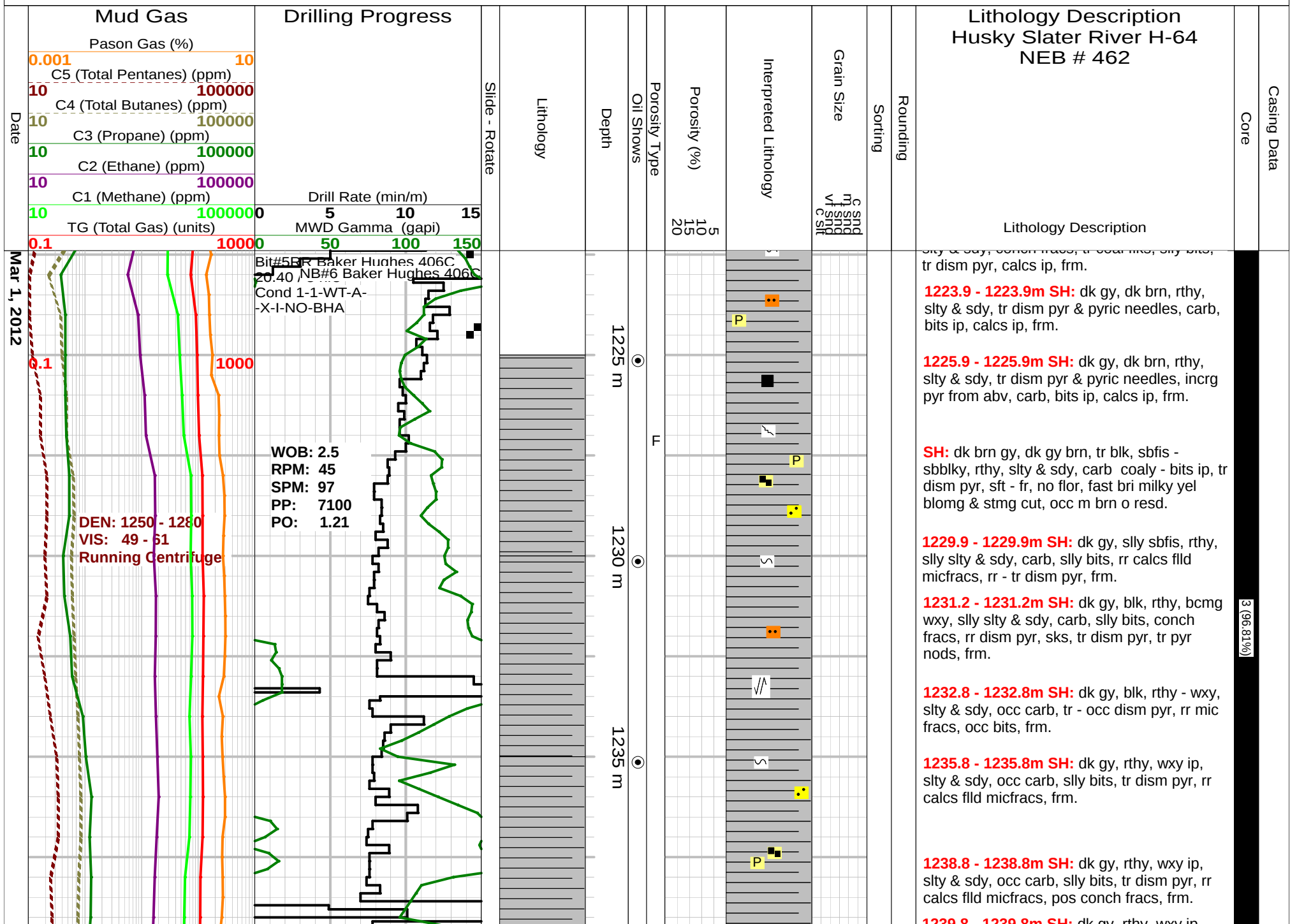


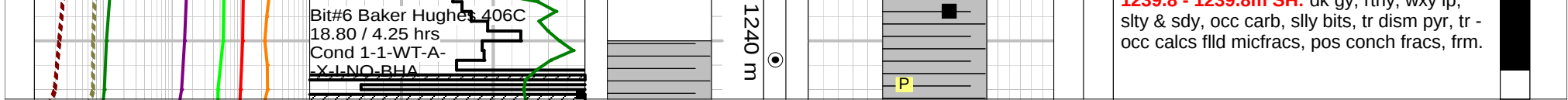
Core #2 Interval: 1204.00m to 1222.40m Cut: 18.4m Recovered: 16.8m (91.3%)

[illegible]

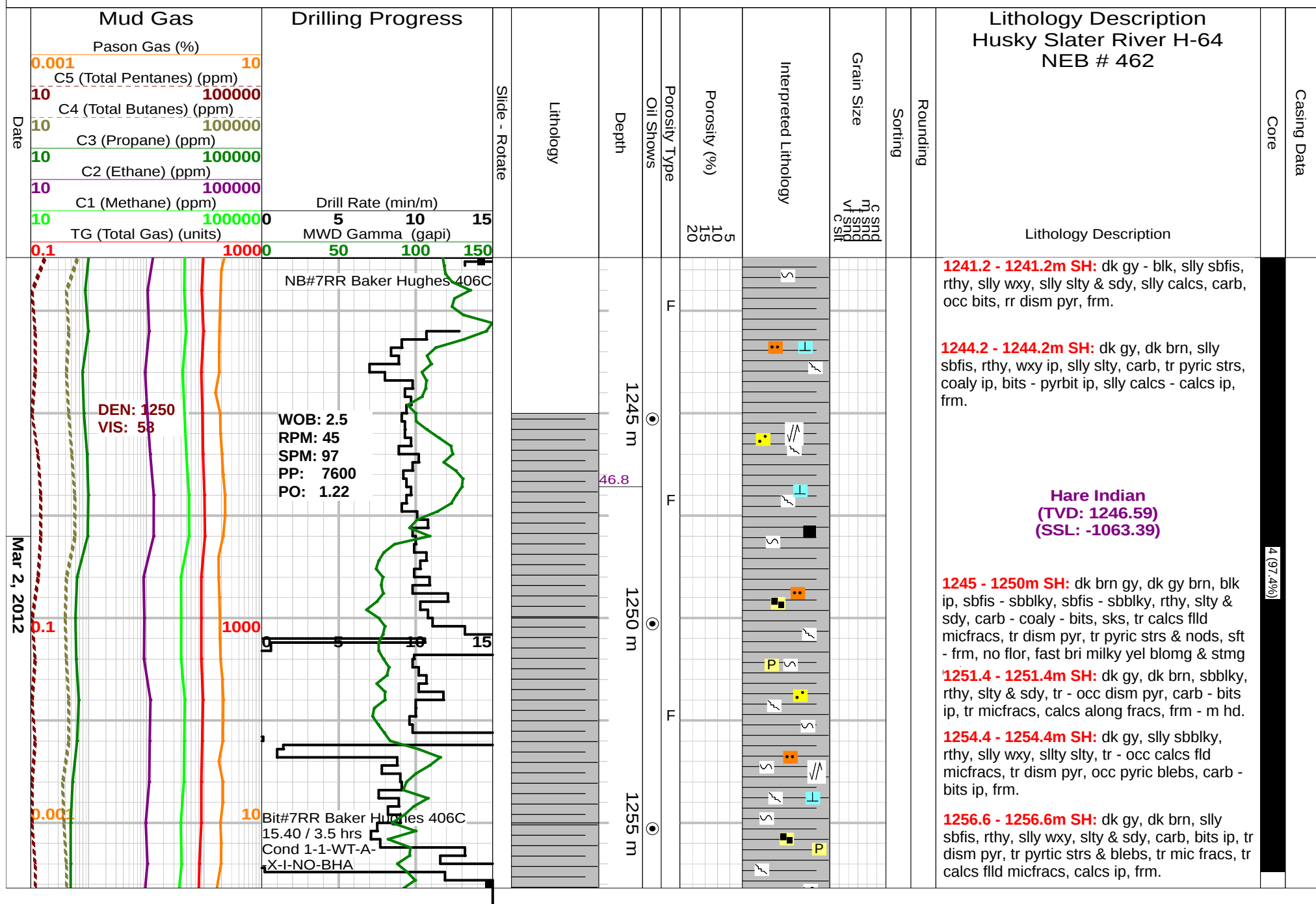


Expanded Core Log (1:120)
Core #3 Interval: 1222.40m to 1241.20m Cut: 18.8m Recovered: 18.2m (96.81%)





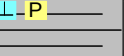
Expanded Core Log (1:120) Mar 2, 2012
Core #4 Interval: 1241.20m to 1256.60m Cut: 15.4m Recovered: 15m (97.4%)



Expanded Core Log (1:120) Mar 2, 2012
Core #5 Interval: 1256.60m to 1258.40m Cut: 1.8m Recovered: 1.7m (94.44%)

Date	Mud Gas	Drilling Progress				Lithology	Depth	Oil Shows	Porosity Type	Porosity (%)	Interpreted Lithology	Grain Size	Rounding	Sorting	Lithology Description		Casing Data
	Pason Gas (%)	Slide - Rotate	MWD Gamma (gapi)		Husky Slater River H-64 NEB # 462												
	0.001 10 C5 (Total Pentanes) (ppm) 10 100000 C4 (Total Butanes) (ppm) 10 100000 C3 (Propane) (ppm) 10 100000 C2 (Ethane) (ppm) 10 100000 C1 (Methane) (ppm) 10 100000 TG (Total Gas) (units) 0.1 10000		Drill Rate (min/m) 5 10 15 MWD Gamma (gapi) 50 100 150						LL	5 10 15 20						1256.4 1258.4m SH: dk gy blk sh, freed	5 (94.44%)
			Bit#9RR Baker Hughes 406C 1.00 / 1.5 hrs														

Core #6 Interval: 1258.40m to 1259.40m Cut: 1m Recovered: 0.7m (70%)

Mud Gas		Drilling Progress		Slide - Rotate	Lithology	Depth	Porosity Type Oil Shows	Porosity (%)	Interpreted Lithology	Grain Size m sand fine sand silt	Sorting	Rounding	Lithology Description Husky Slater River H-64 NEB # 462	
Date	Pason Gas (%) 0.001 10 C5 (Total Pentanes) (ppm) 10 100000 C4 (Total Butanes) (ppm) 10 100000 C3 (Propane) (ppm) 10 100000 C2 (Ethane) (ppm) 10 100000 C1 (Methane) (ppm) 10 100000 TG (Total Gas) (units) 0.1 10000	Drill Rate (min/m) 0 5 10 15 MWD Gamma (gapi) 0 50 100 150	Lithology Description 1236.4 - 1236.4m SH. dk gy, blksh, trace, rthy, silty bits, slty & sdy, carb - bits ip, occ -											
M						1								

Expanded Core Log (1:120) Mar 5, 2012
Core #7 Interval: 1270.00m to 1302.80m Cut: 32.8m Recovered: 32m (97.56%)

