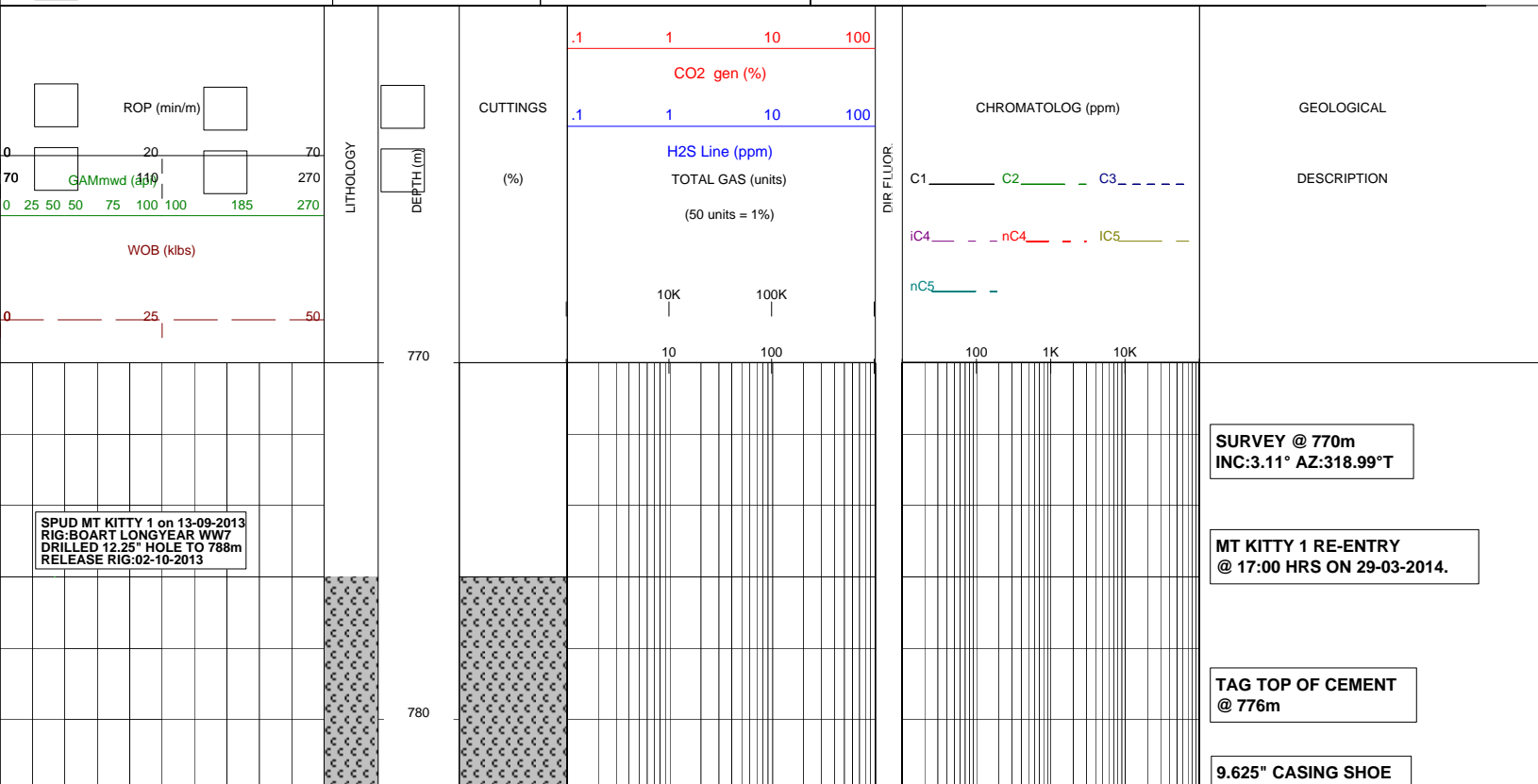
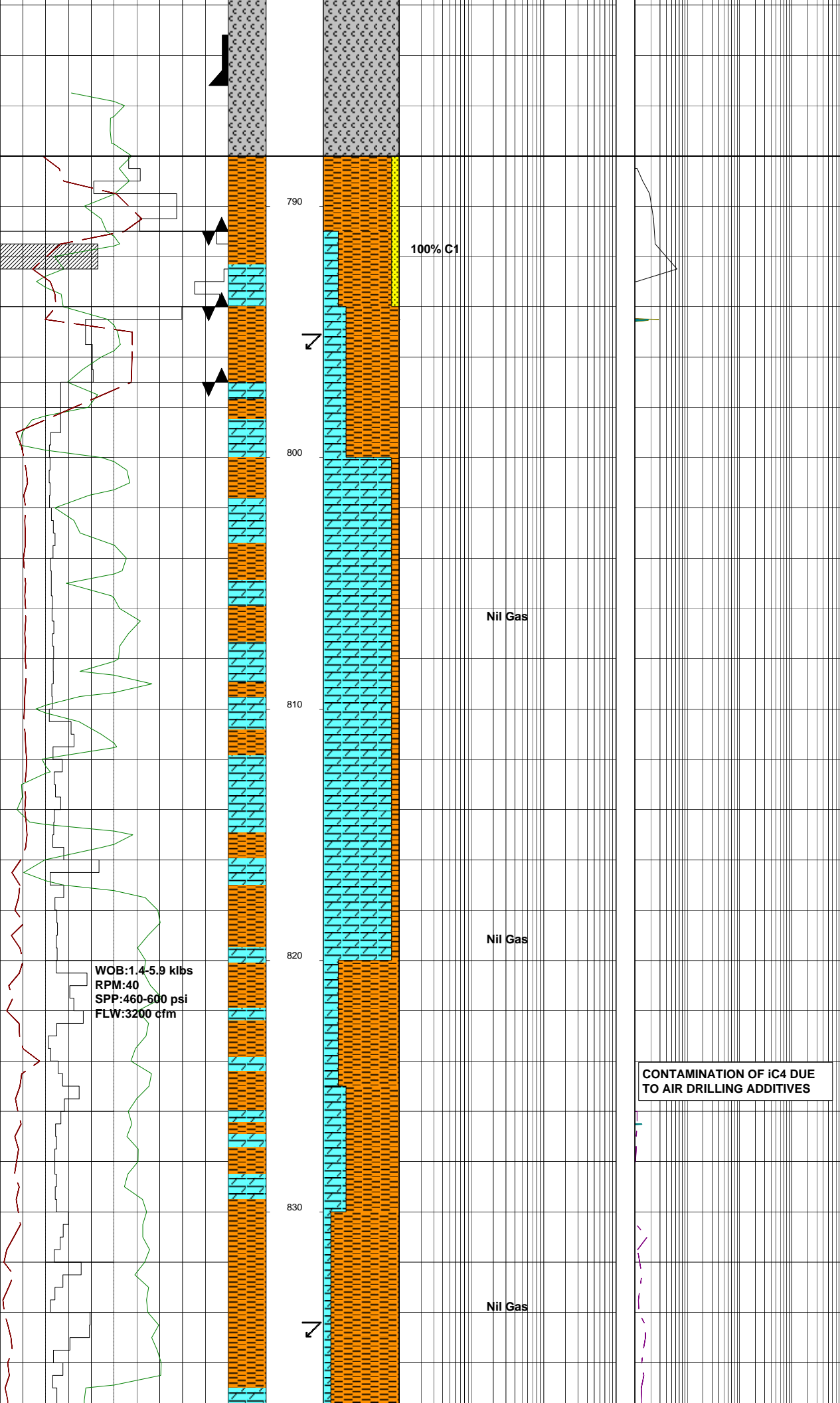


Field : WILDCAT	Rotary Table : 482.0m	Rig : ENSIGN 918	Open Hole:	Cased Hole:	Loggers :	KIMBERLEY KEWLEY
Permit : EP125	Ground Level : 476.9m	Spud Date : 13-09-2013	12.25"	788.0m	9.625"	785.2m
State : NORTHERN TERRITORY	GDA 94 Co-ordinates :	TD Date : 12-04-2014	8.5"	2295m		
Country : AUSTRALIA	Lat. : 25°30'22.45"S	Total Depth : 2295.0m				
Scale : 1 / 200	Long. : 132°47'48.30"E	Final Status : SUSPENDED				

LITHOLOGY	ACCESSORIES	DRILLING DATA	ABBREVIATIONS
Conglomerate Coal Course Sandstone Duricrust Medium Sand Cement Fine Sand Igneous V Fine Sand Volcanic Siltstone Metamorphic Carb Siltstone Anhydrite Calc Siltstone Halite Clay Limestone Dolomite	Pyrite Siderite Glauconite Iron Chert Calcareous Dolomitic Carb Fossils Siderite	Casing shoe Bit Trip Wiper Trip Core Dst Survey  <b>MUD DATA</b> MW - Mud Weight (lb/gal) FV - Funnel Viscosity (s/qt) PV - Plastic Viscosity (cps) YP - Yield Point (lb/100ftsq) Gel - Gel Strength (10sec) WL - Water Loss (cc/30min) pH - Acidity / Alkalinity Ck - Cake (32nd/inch) Sol - Solids (% vol) Cl - Chlorides (mg/l)	<b>ABBREVIATIONS</b> BOPD - Barrels of Oil Per Day BWPD - Barrels of Water Per Day CG - Connection Gas CO - Circulate Out COND - Condensate c/c - Crush Cut DST - Drill Stem Test FLOW - Flow Rate (gal/min) GCM - Gas Cut Mud GCW - Gas Cut Water GTS - Gas To Surface INJ - Injection of Mist (bbbls/hr) LCM - Lost Circulation Material MMCFD - Million Cubic Feet / Day NGTS - No Gas To Surface NOTS - No Oil To Surface NR - No Returns OCM - Oil Cut Mud OG - Over Gauge OH - Open Hole OTS - Oil To Surface Q - Flow Rate REC - Recovery Rmf - Resistivity mud filtrate ROP - Rate Of Penetration RPM - Revolutions Per Minute RTSTM - Rate Too Small To Measure Rw - Resistivity water r/r - Ring Residue SCFM - Standard Cubic Ft/Min (air) SGCM - Slightly Gas Cut Mud SPM - Strokes Per Minute SPP - Stand Pipe Pressure SWC - Side-Wall Core TG - Trip Gas WOB - Weight On Bit





SET @ 785.2m

BIT #6: SMITH PW6466  
SIZE: 8.5" JETS: 3x20  
IN: 788m OUT: 791m  
RUN: 3m HRS: 3.1  
COND: 8-3-JD-A-2-I-BT/NR-BHA

SILTSTONE:v lt gry,mnr rd brn,  
arg,dom sil,xln,mnr mic,tr liths,  
hd,dom sbfiss.

BIT #7: SMITH PW6455  
SIZE: 8.5" JETS: 3x18  
IN: 791m OUT: 794m  
RUN: 3m HRS: 4.5  
COND: 2-2-WT-A-1-I-CT/RR-TD

SURVEY @ 795.4m  
INC:3.30° AZ:278.41°T

FIT @ 797m  
EMW = 16.2ppg

BIT #8: SMITH RA7291  
SIZE: 8.5" JETS: 3x20  
IN: 794m OUT: 797m  
RUN: 3m HRS: 0.7  
COND: 0-0-NO-G-0-I-NO-BHA

DOLOMITE:lt gry,trnsl,orng,brn,  
rr off wh,micrxln-occ xln,hd-v hd.

BIT #9: SMITH AH0569 HAMMER  
SIZE: 8.5" JETS: 3x32  
IN: 797m OUT: 1326m  
RUN: 529m HRS: 46.3  
COND: 4-8-BT-A-X-I-LT/NR-PR

DOLOMITE:lt gry,trnsl,orng,brn,  
rr off wh,micrxln-occ xln,hd-v hd.

SILTSTONE:rd brn,brn purp,aren,  
com liths,rr micmic,sft frm,  
sbfiss-sbblky.

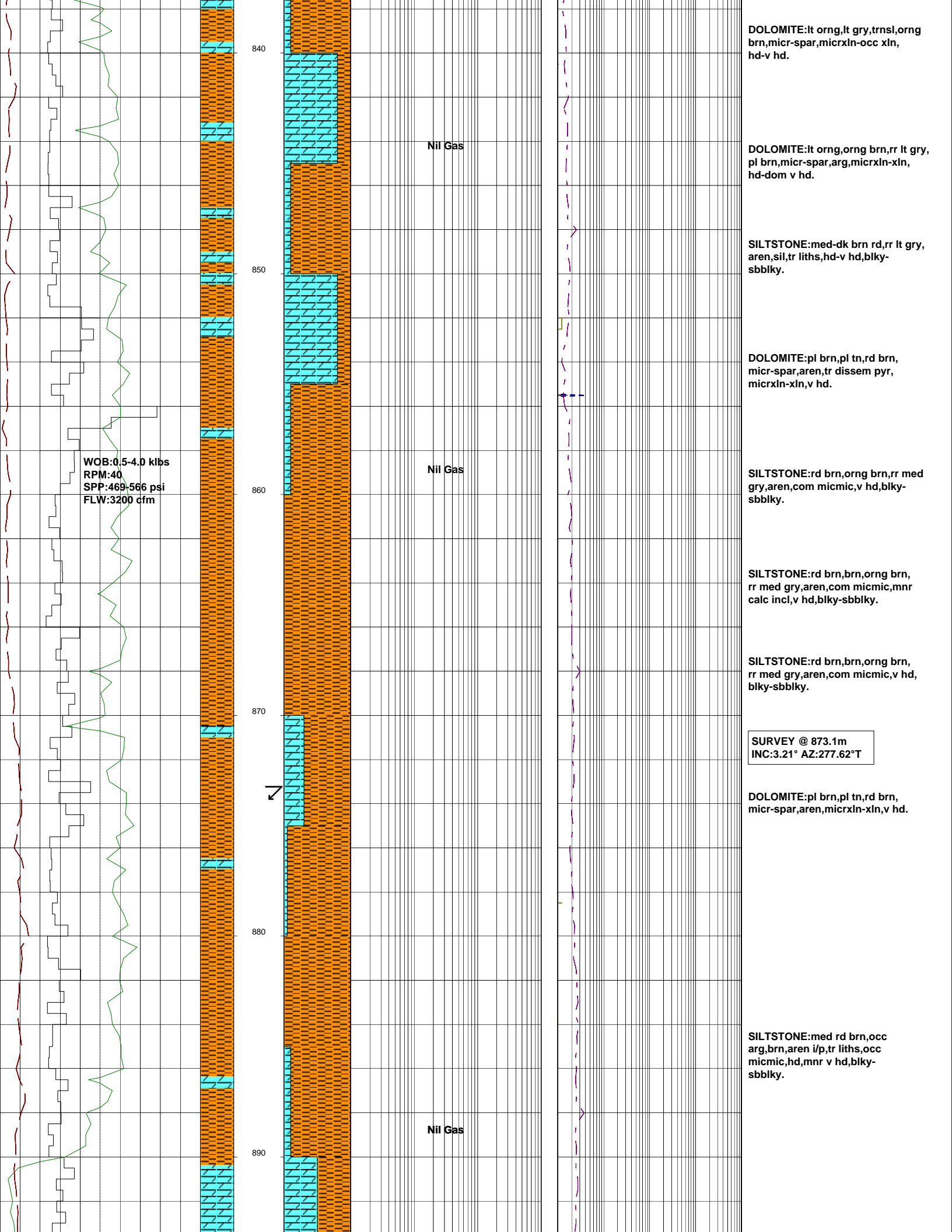
CONTAMINATION OF iC4 DUE  
TO AIR DRILLING ADDITIVES

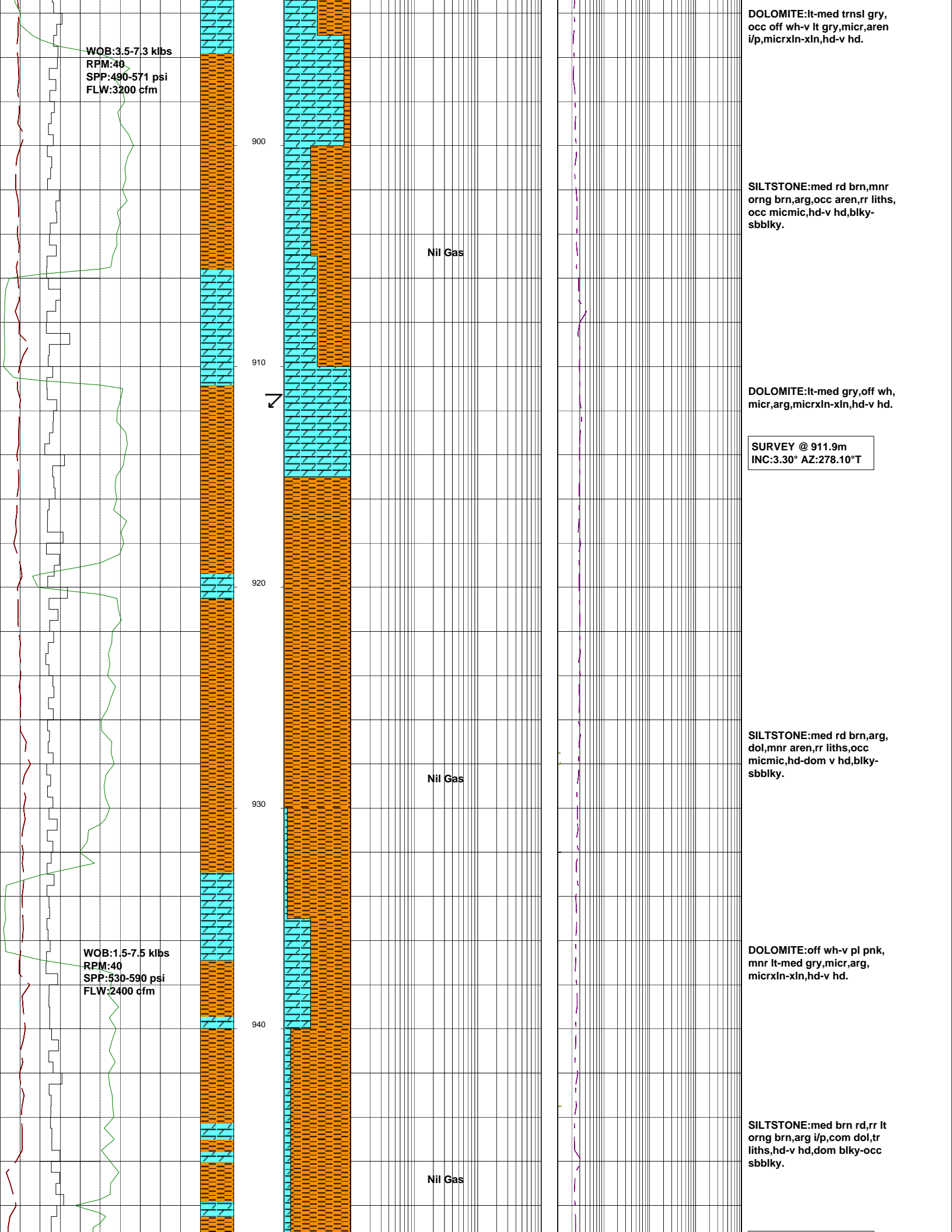
SILTSTONE:purp brn,brn gry,  
aren,occ micmic,sft frm,  
blky-sbblky.

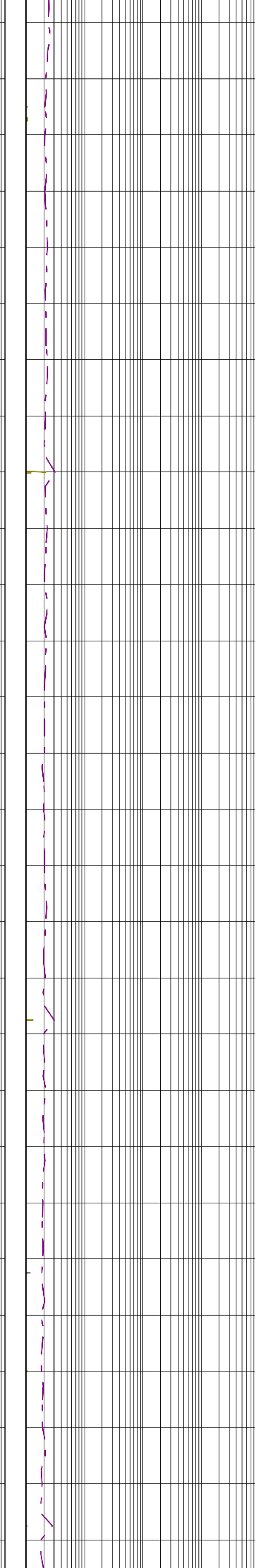
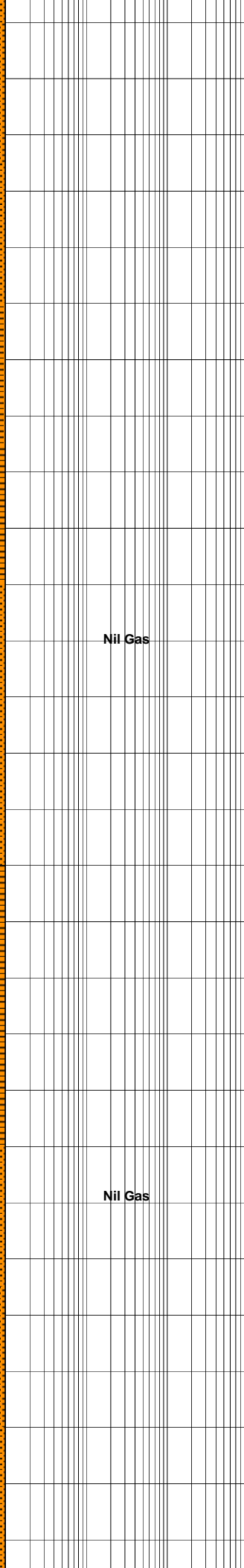
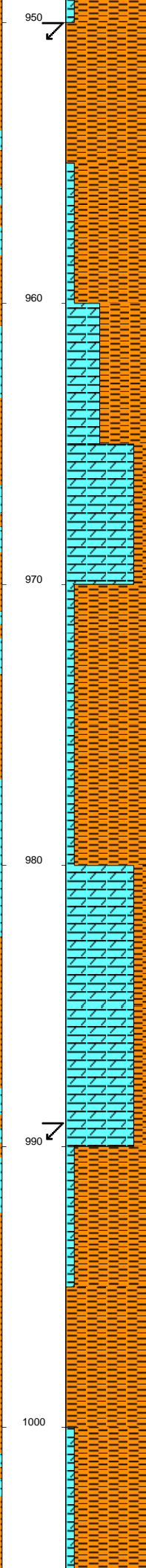
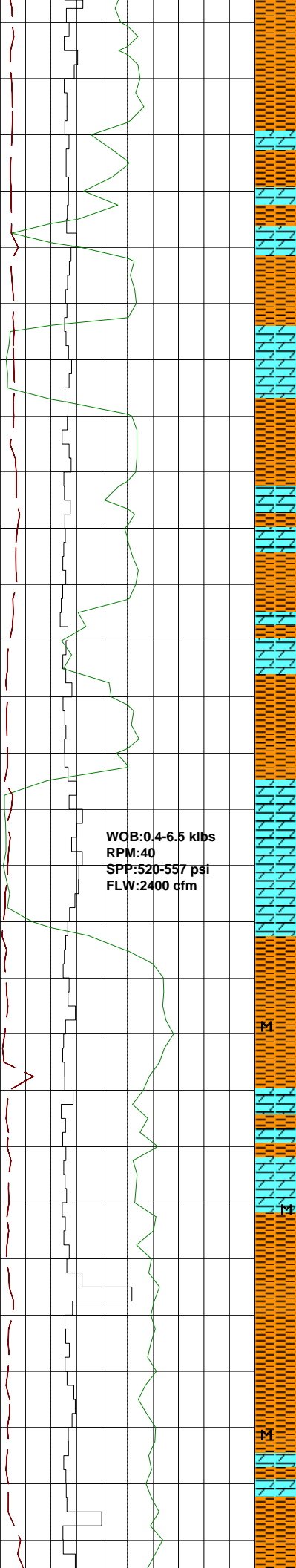
SILTSTONE:purp brn,brn gry,  
aren,com micmic,sft frm,sbblky-  
blky.

SURVEY @ 834.2m  
INC:3.30° AZ:275.82°T

WOB:1.4-5.9 klbs  
RPM:40  
SPP:460-600 psi  
FLW:3200 cfm







SURVEY @ 950.8m  
INC:3.60° AZ:277.14°T

SILTSTONE:med brn,rd brn,rr lt gry,  
arg,com dol,hd-v hd,blky-sbblky.

DOLOMITE:off wh-pl pnk,lt gry,  
micr,arg,micrxln-xln,hd-v hd.

DOLOMITE:off wh-pl orng,lt gry,  
micr,arg,micrxln-xln,hd-v hd.

Nil Gas

SILTSTONE:brn rd,med brn,rr lt  
gry,mnr grn gry,arg,com dol,v hd,  
blky-sbblky.

WOB:0.4-6.5 klbs  
RPM:40  
SPP:520-557 psi  
FLW:2400 cfm

M

DOLOMITE:off wh,lt orng,mlky,  
lt tn,micr,arg,micrxln-xln,v hd.

SURVEY @ 989.50m  
INC:3.60° AZ:273.31°T

SILTSTONE:rd brn,brn,brn orng,  
arg,com micmic,com dol,v hd,blky.

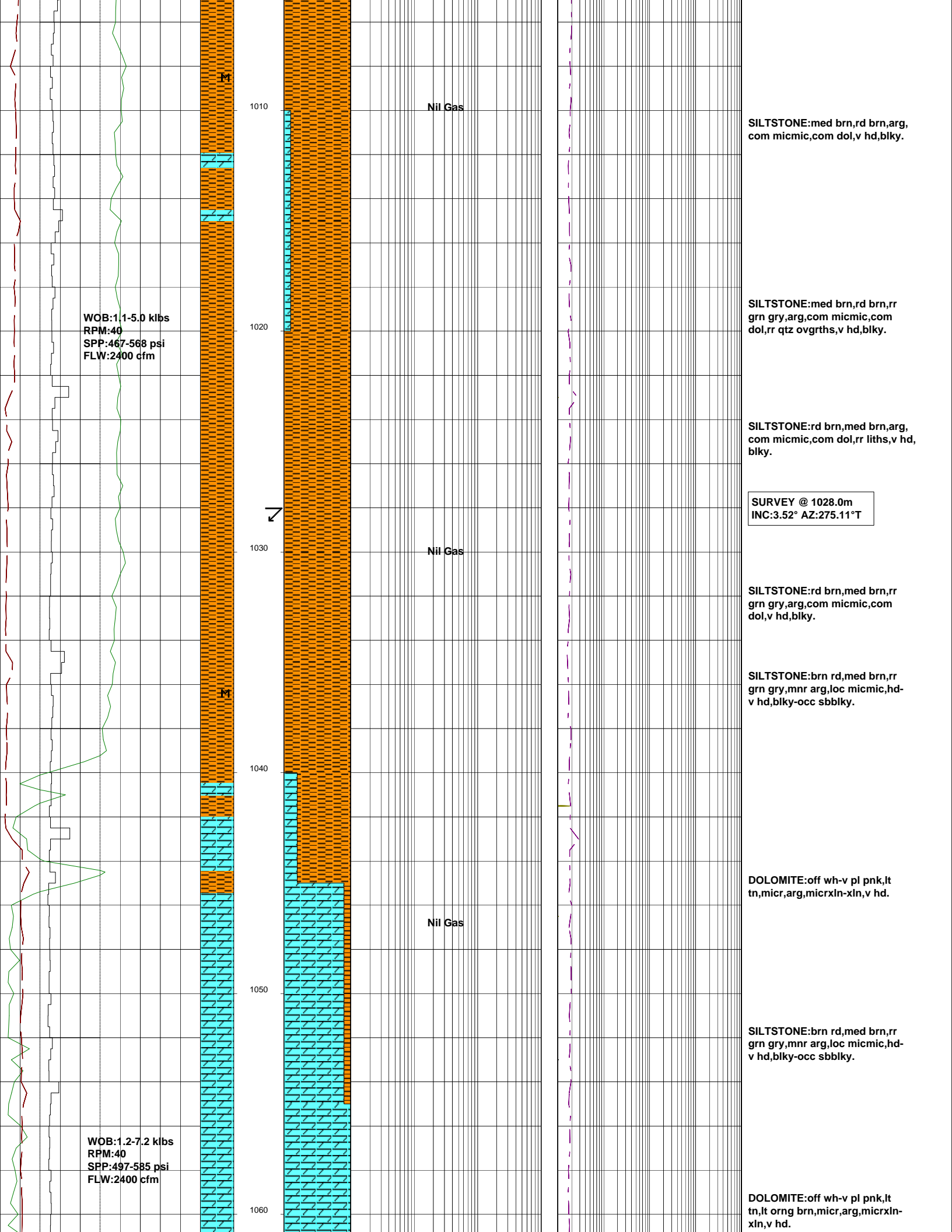
Nil Gas

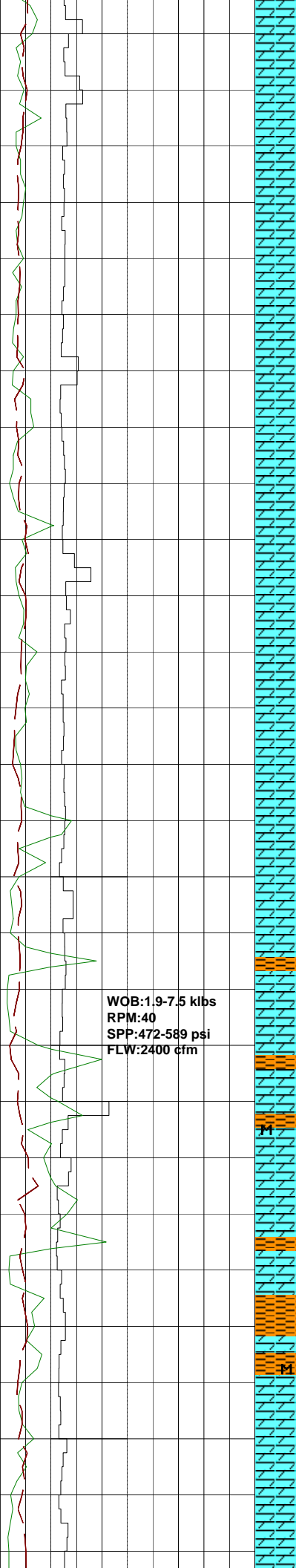
M

SILTSTONE:rd brn,lt brn,brn orng,  
com micmic,com dol,v hd,blky.

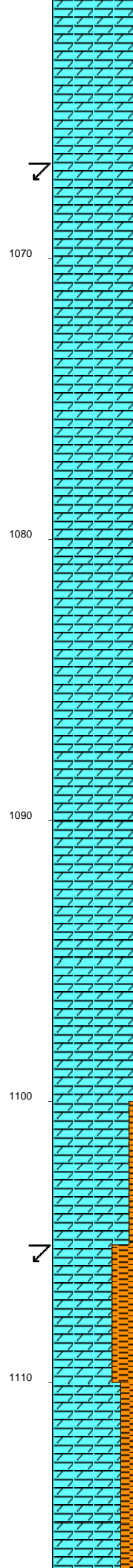
M

SILTSTONE:rd brn,brn orng,  
rr grn gry,arg,com micmic,com  
dol,v hd,blky.





WOB:1.9-7.5 klbs  
RPM:40  
SPP:472-589 psi  
FLW:2400 cfm



Nil Gas

Nil Gas

Nil Gas

DOLOMITE:off wh-lt pnk,lt gry  
i/p,mnr v lt brn-tn,micr,arg,  
micrxln-xln,hd-dom v hd.

SURVEY @ 1066.6m  
INC:3.69° AZ:274.72°T

DOLOMITE:trnsI lt pnk-off  
wh,mlky,lt orng brn,lt gry,micr,  
arg,occ liths,micrxln-xln,hd-  
dom v hd.

DOLOMITE:trnsI lt pnk,lt orng  
brn,occ lt gry,micr,arg,micrxln-  
xln,hd-dom v hd.

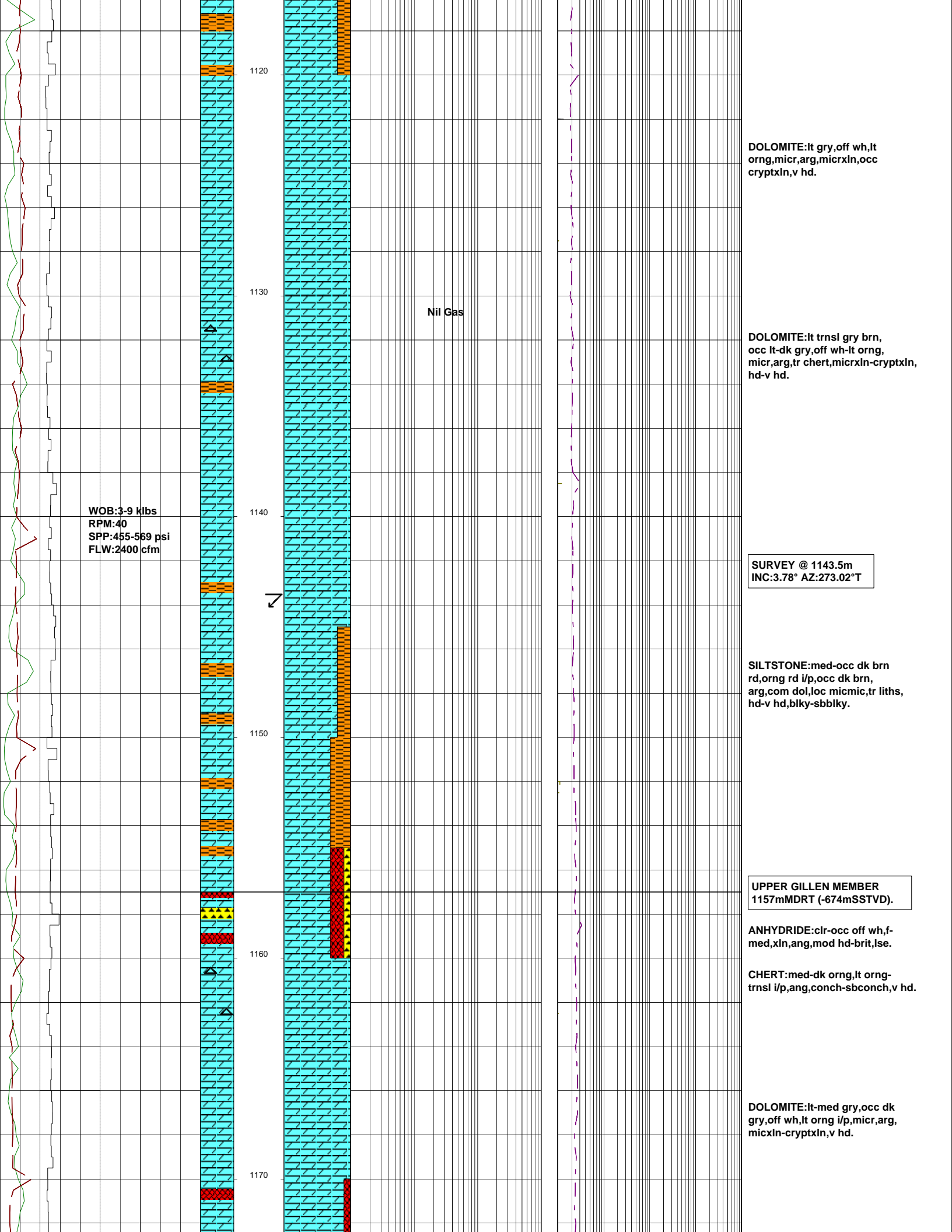
DOLOMITE:trnsI lt pnk,lt orng  
brn,occ lt gry,micr,arg,rr liths,  
micrxln,hd-dom v hd.

DOLOMITE:lt gry-occ off wh,  
lt pnk-lt orng,micr,dom arg,  
micrxln,v hd-occ hd.

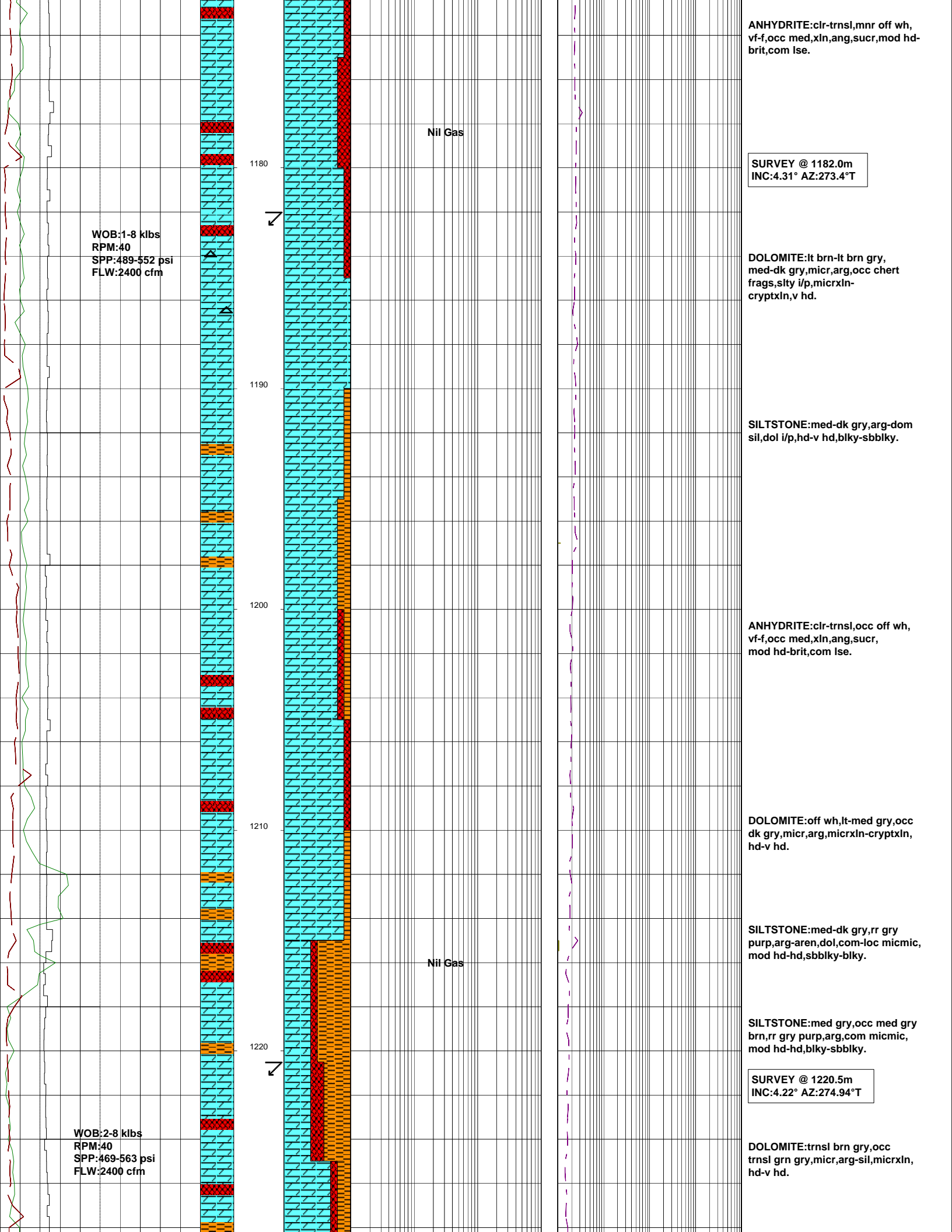
DOLOMITE:lt gry-occ off wh,  
lt pnk-lt orng,arg,micr,dom  
arg,micrxln,v hd-occ hd.

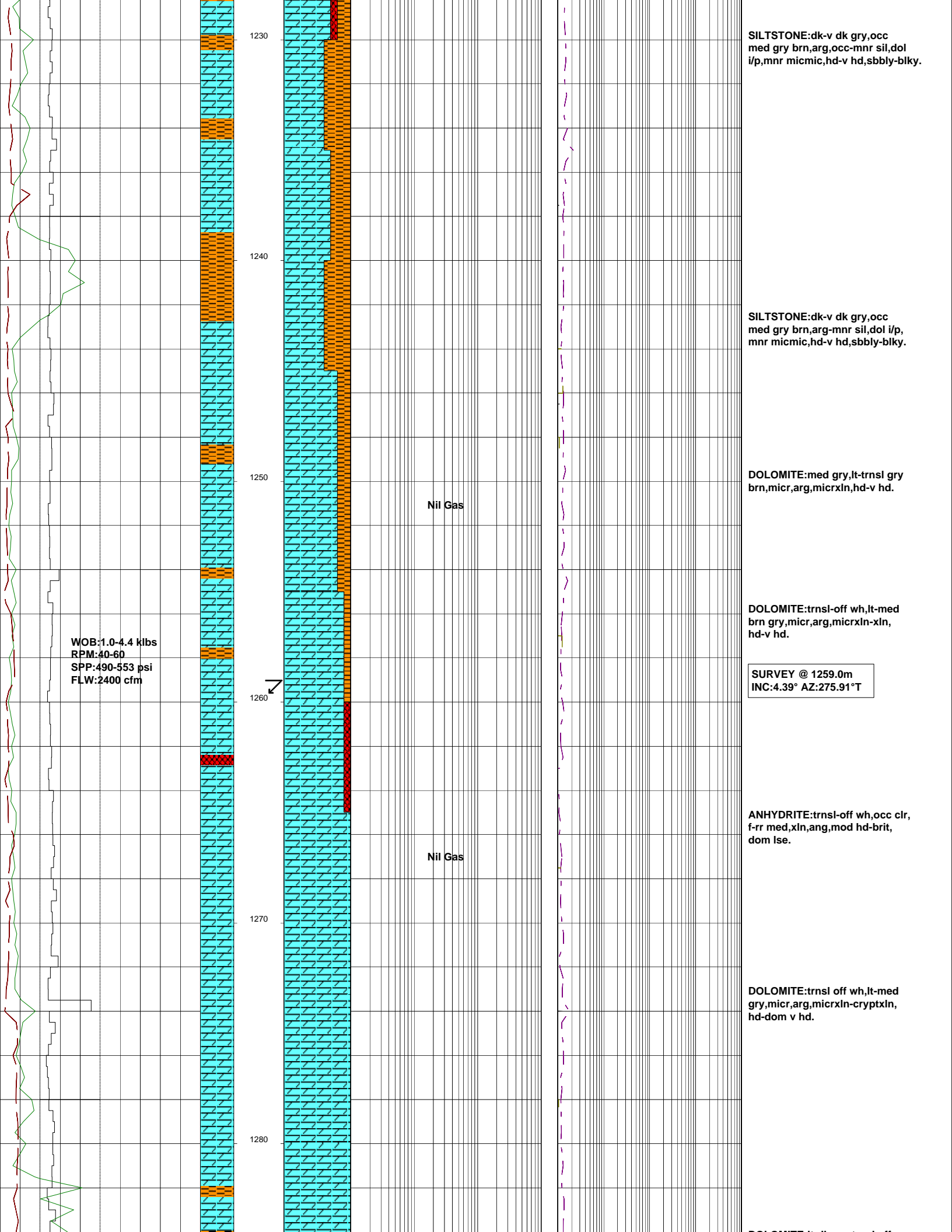
SURVEY @ 1105.10m  
INC:3.69° AZ:273.40°T

SILTSTONE:med brn rd,mnr  
lt gry,arg i/p,occ-loc com liths,  
com dol,micmic-mic,hd-v hd,  
blky-sbbiky.









SILTSTONE: dk-v dk gry, occ  
med gry brn, arg, occ-mnr sil, dol  
i/p, mnr micmic, hd-v hd, sbbly-blky.

SILTSTONE: dk-v dk gry, occ  
med gry brn, arg, occ-mnr sil, dol i/p,  
mnr micmic, hd-v hd, sbbly-blky.

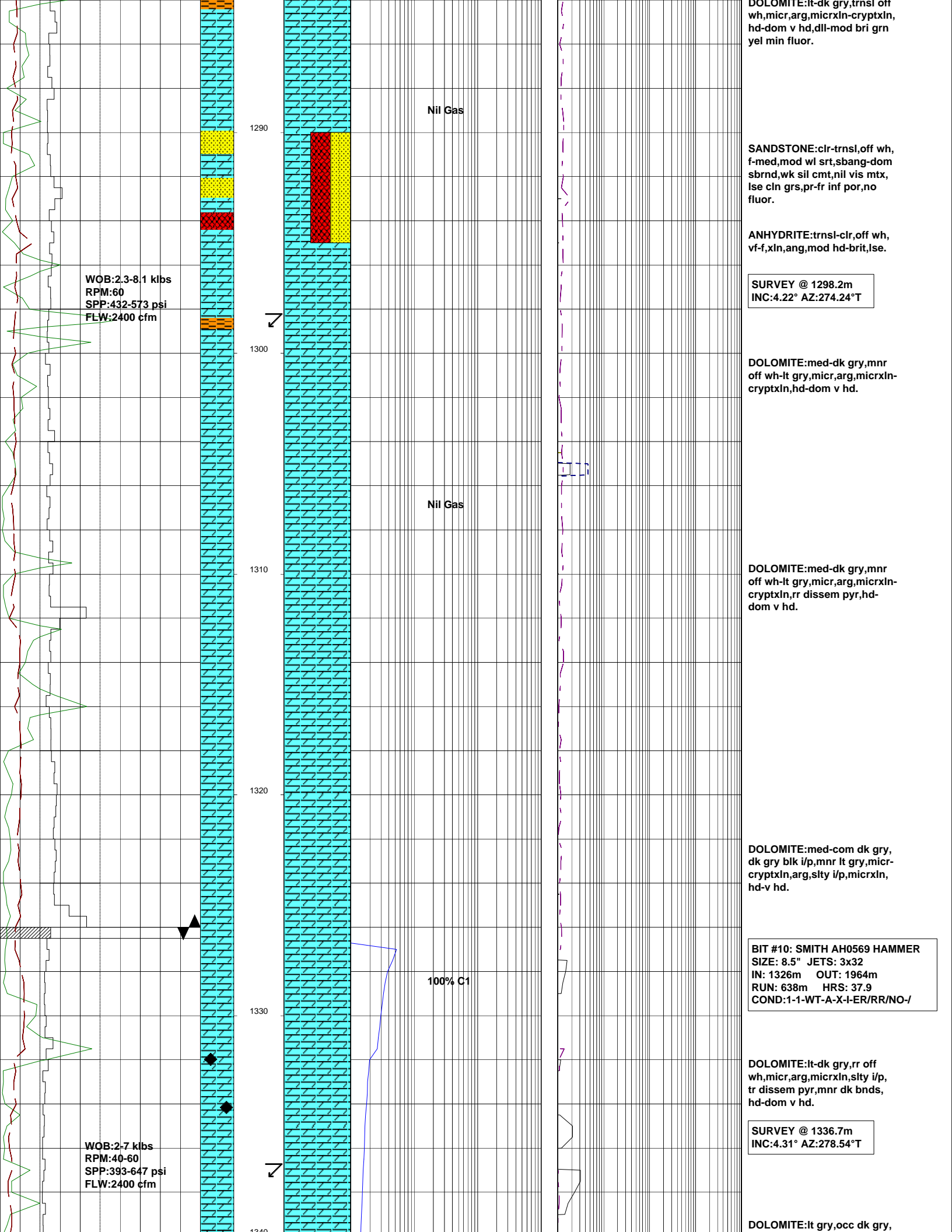
DOLOMITE: med gry, lt-trns l gry  
brn, micr, arg, micrxln, hd-v hd.

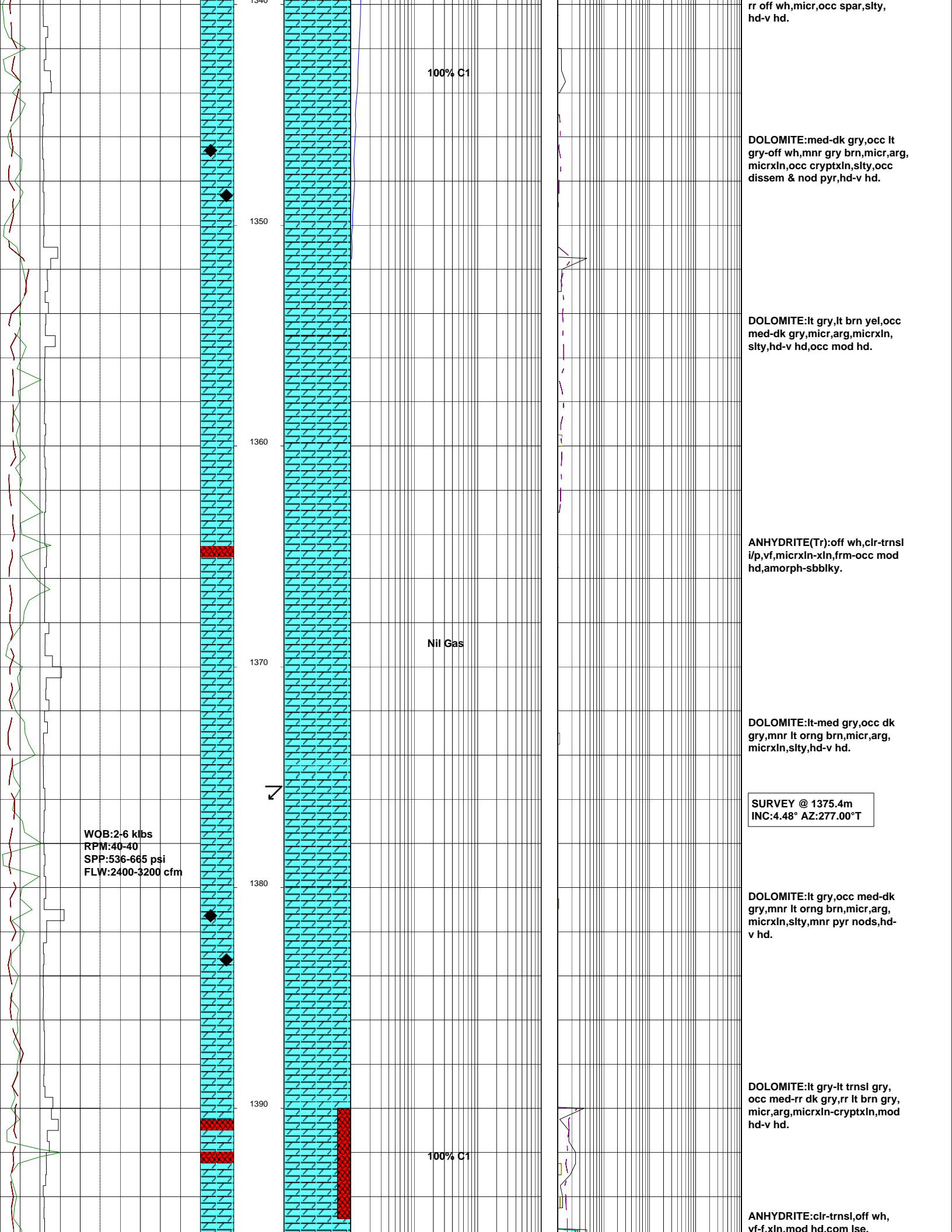
DOLOMITE: trns l-off wh, lt-med  
brn gry, micr, arg, micrxln-xln,  
hd-v hd.

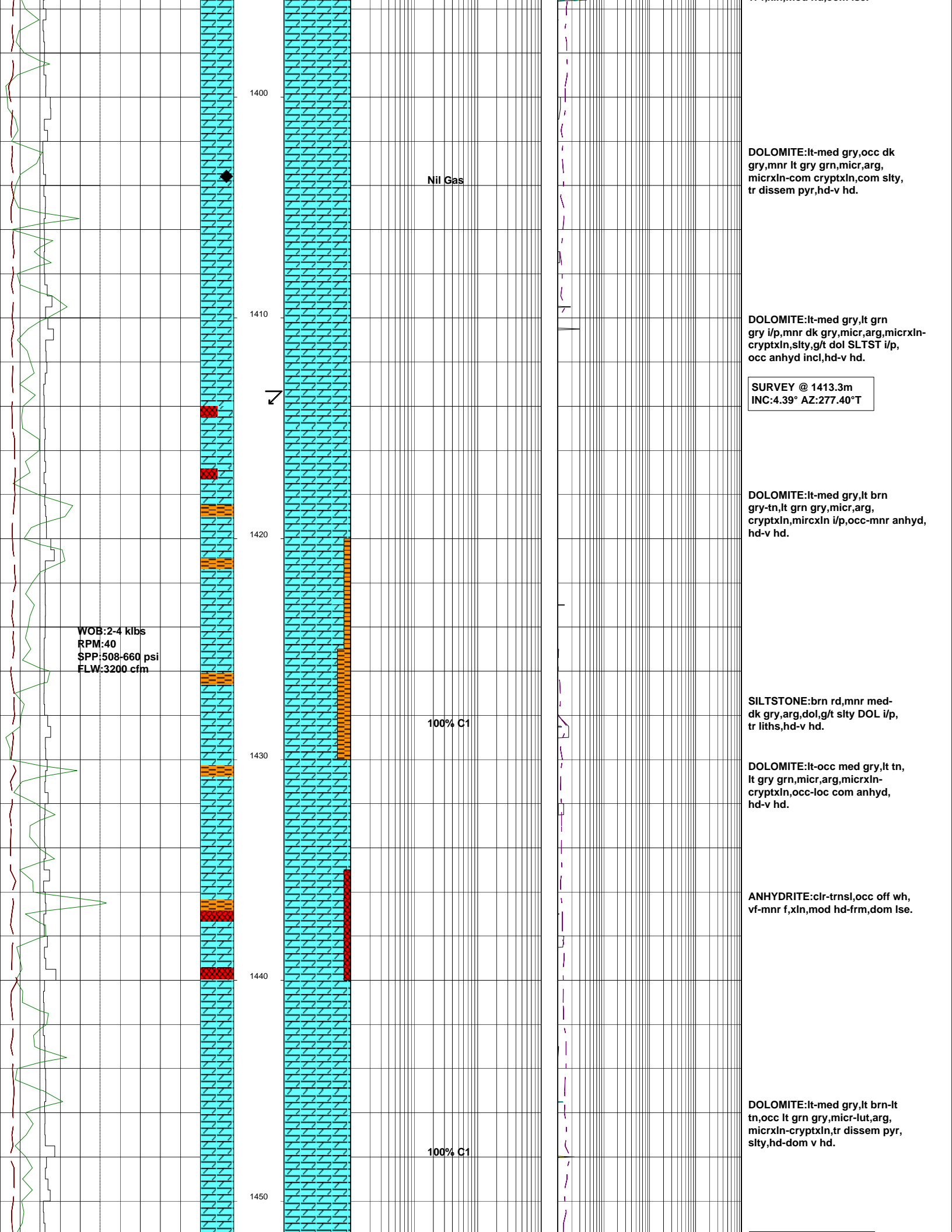
SURVEY @ 1259.0m  
INC: 4.39° AZ: 275.91° T

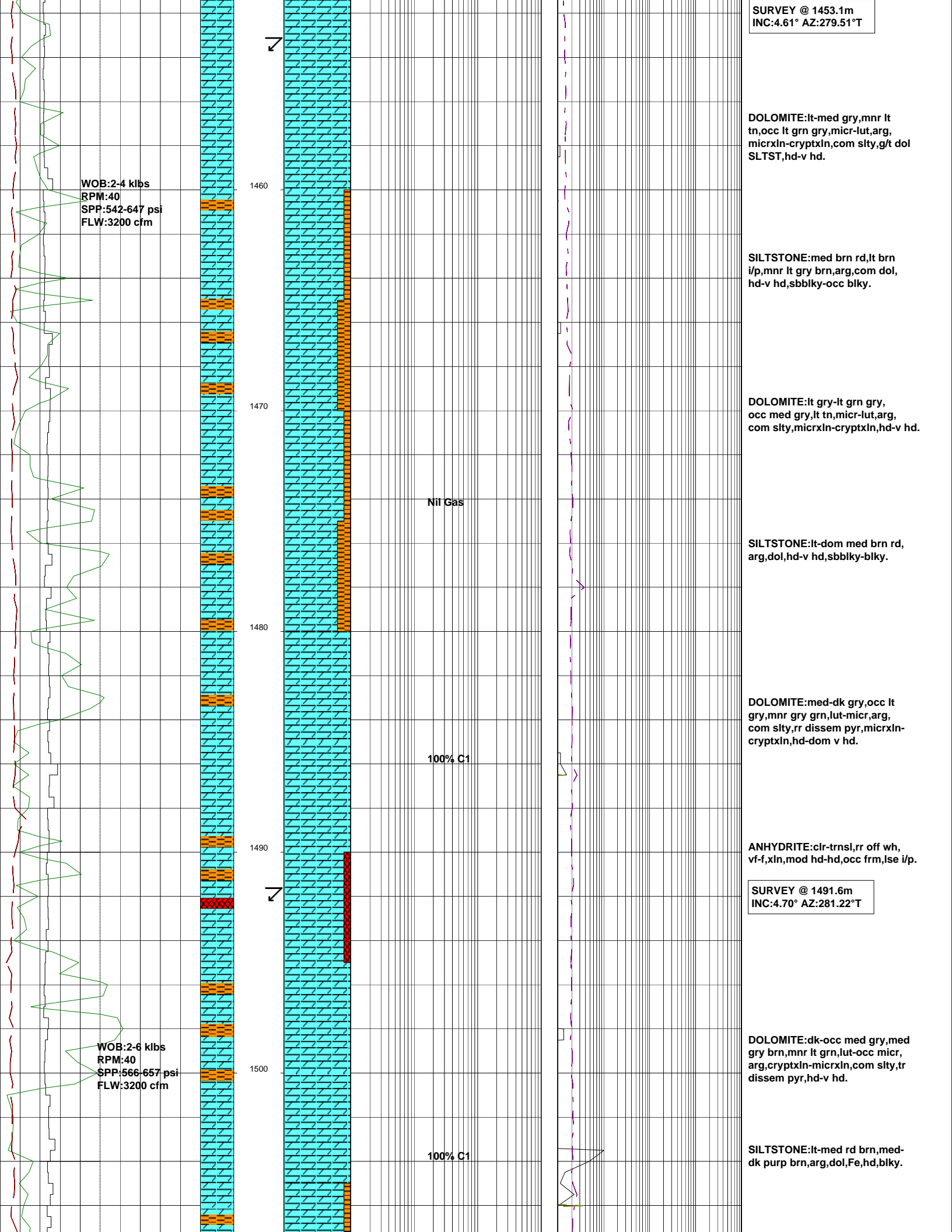
ANHYDRITE: trns l-off wh, occ clr,  
f-rr med, xln, ang, mod hd-brit,  
dom lse.

DOLOMITE: trns l off wh, lt-med  
gry, micr, arg, micrxln-cryptxln,  
hd-dom v hd.









SURVEY @ 1453.1m  
INC:4.61° AZ:279.51°T

WOB:2-4 klbs  
RPM:40  
SPP:542-647 psi  
FLW:3200 cfm

7

1460

1470

Nil Gas

1480

100% C1

1490

7

1500

WOB:2-6 klbs  
RPM:40  
SPP:566-657 psi  
FLW:3200 cfm

100% C1

DOLOMITE:lt-med gry,mnr lt tn,occ lt grn gry,micr-lut,arg, micrxln-cryptxln,com slty,g/t dol SLTST,hd-v hd.

SILTSTONE:med brn rd,lt brn i/p,mnr lt gry brn,arg,com dol, hd-v hd,sbblky-occ blk.

DOLOMITE:lt gry-lt grn gry, occ med gry,lt tn,micr-lut,arg, com slty,micrxln-cryptxln,hd-v hd.

SILTSTONE:lt-dom med brn rd, arg,dol,hd-v hd,sbblky-blky.

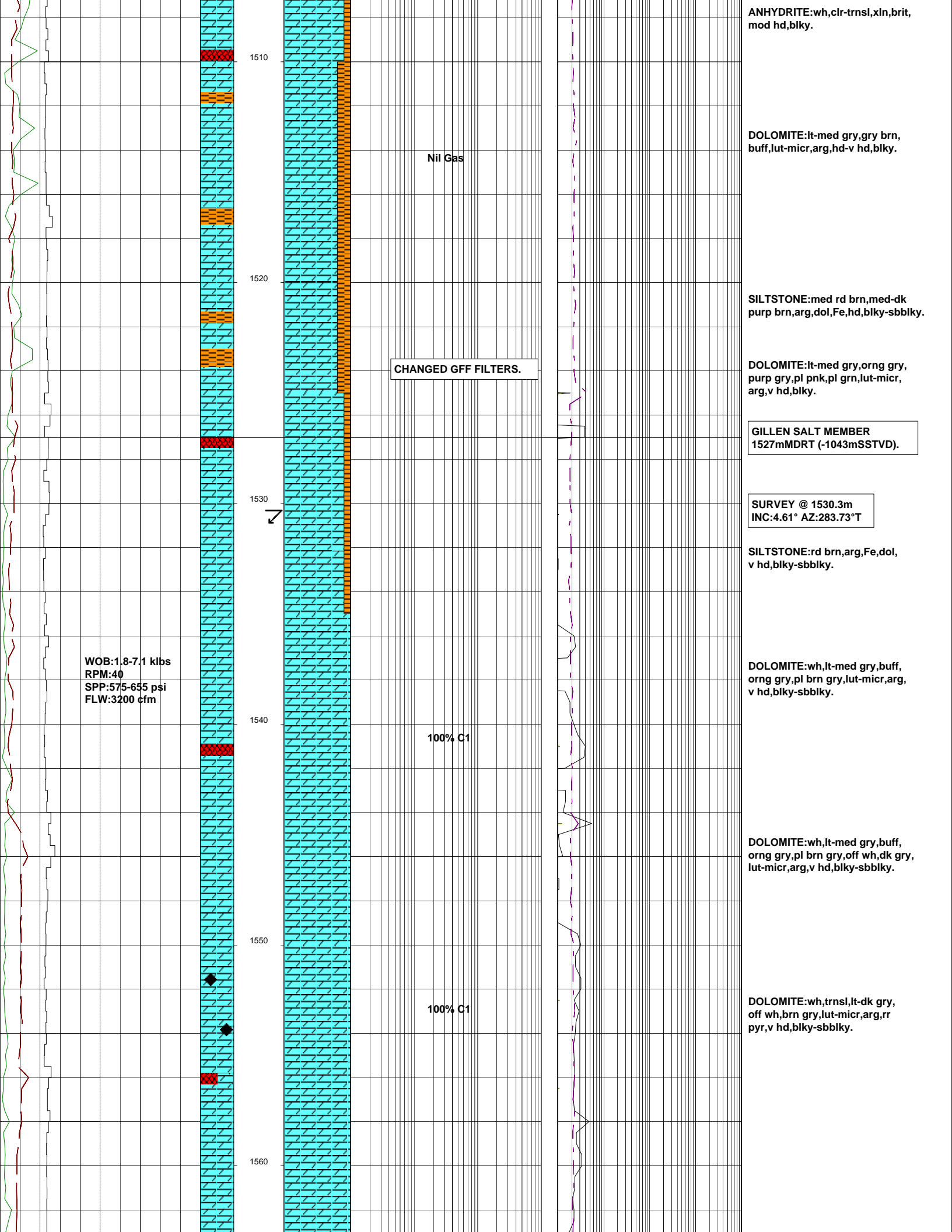
DOLOMITE:med-dk gry,occ lt gry,mnr gry grn,lut-micr,arg, com slty,rr disse pyr,micrxln-cryptxln,hd-dom v hd.

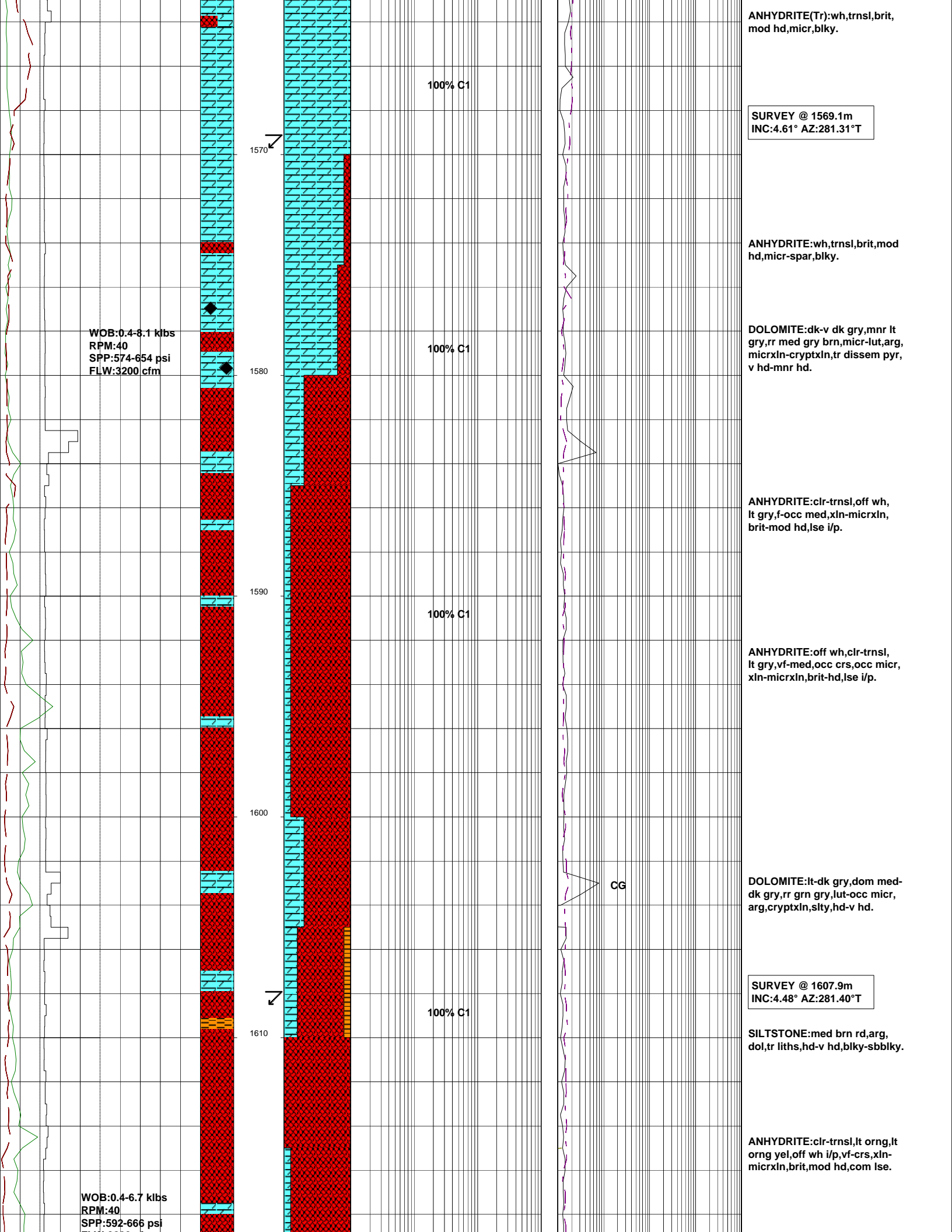
ANHYDRITE:clr-trnsl,rr off wh, vf-f,xln,mod hd-hd,occ frm,lse i/p.

SURVEY @ 1491.6m  
INC:4.70° AZ:281.22°T

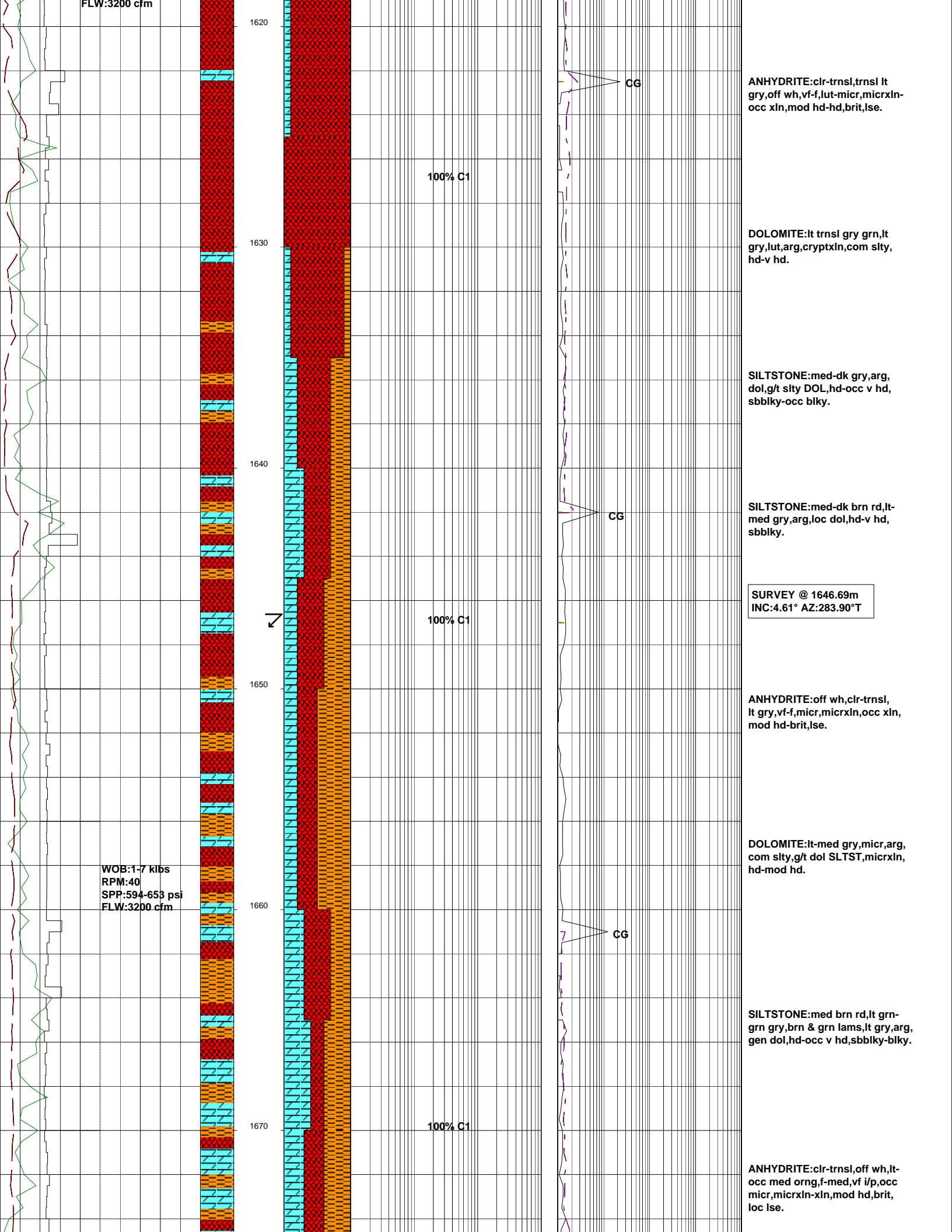
DOLOMITE:dk-occ med gry,med gry brn,mnr lt grn,lut-occ micr, arg,cryptxln-micrxln,com slty,tr disse pyr,hd-v hd.

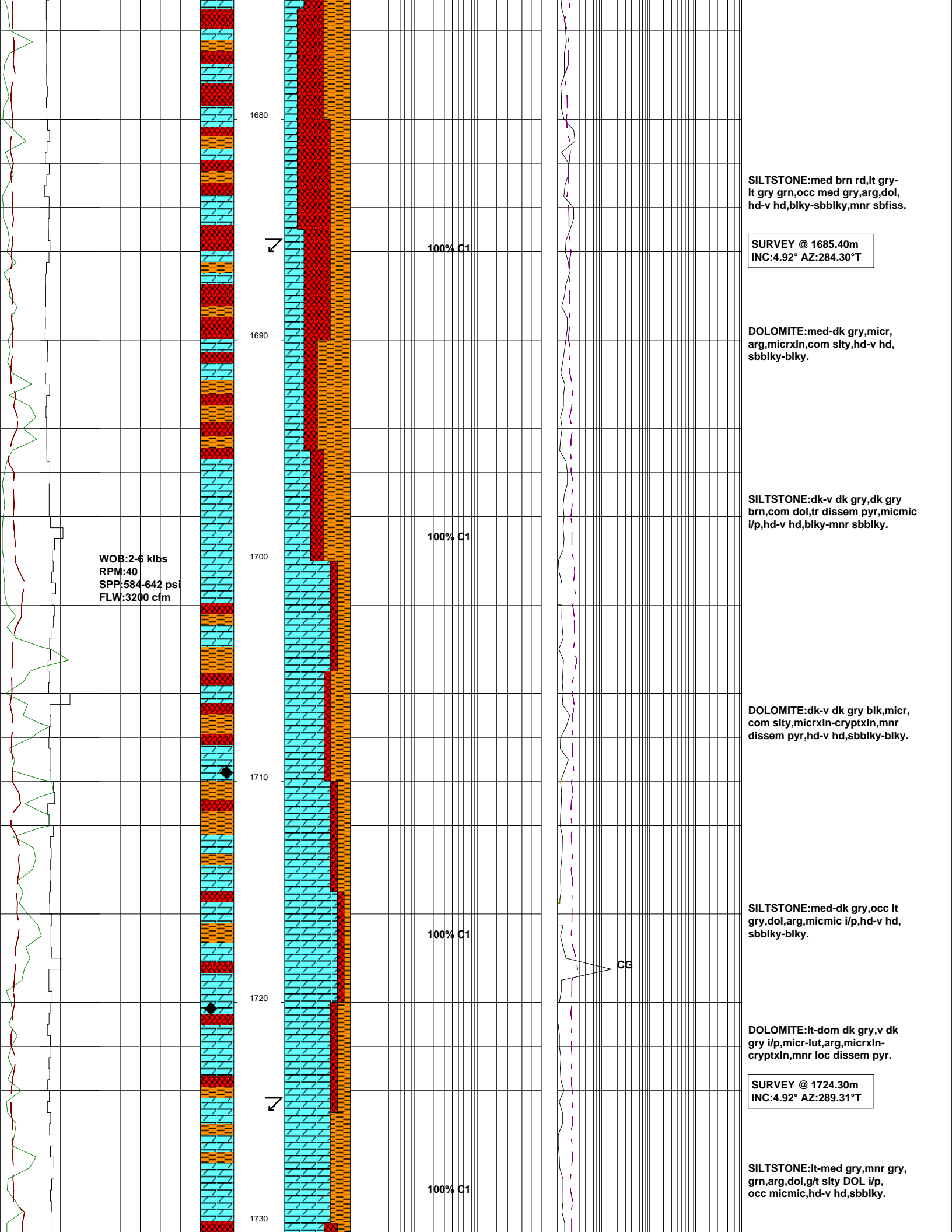
SILTSTONE:lt-med rd brn,med-dk purp brn,arg,dol,Fe,hd,blk.

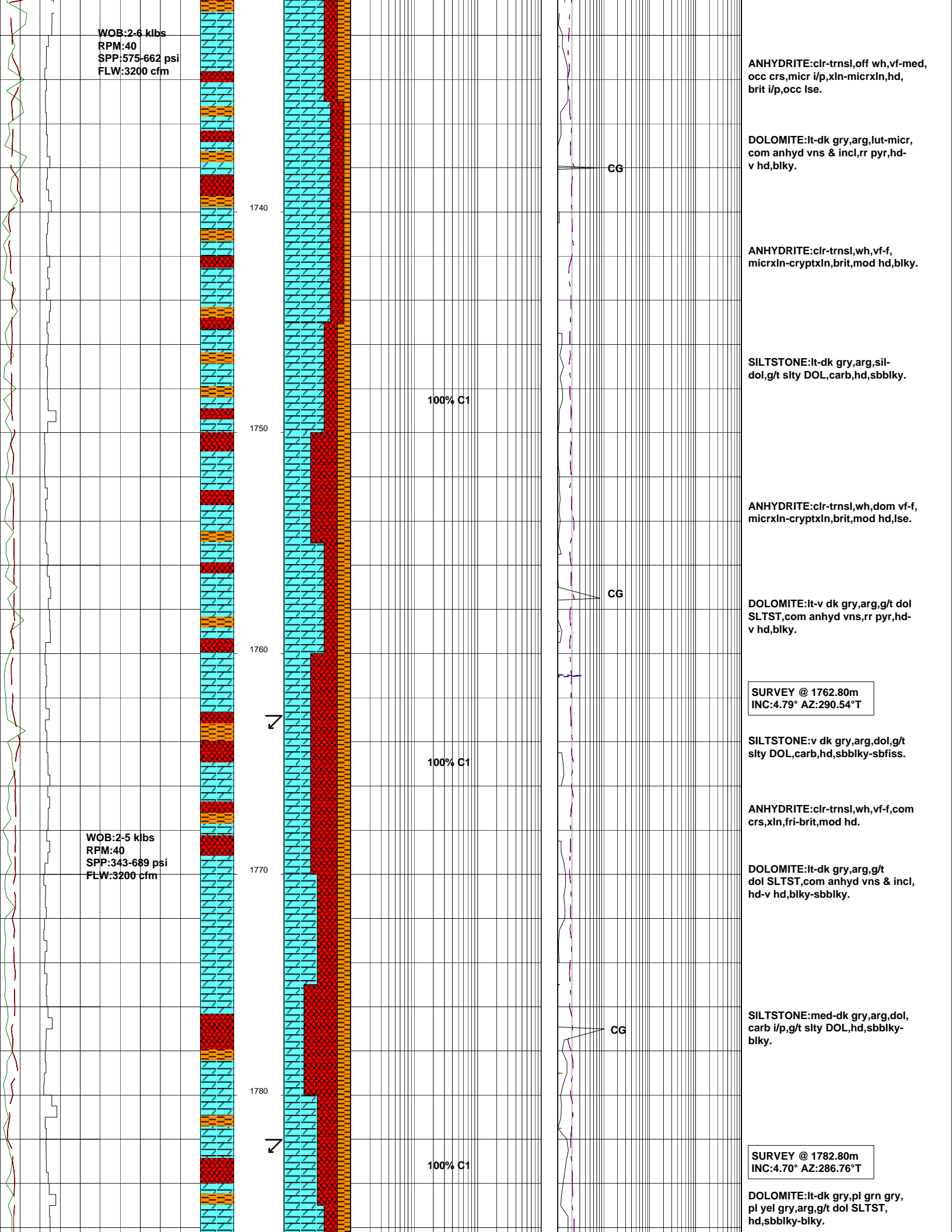


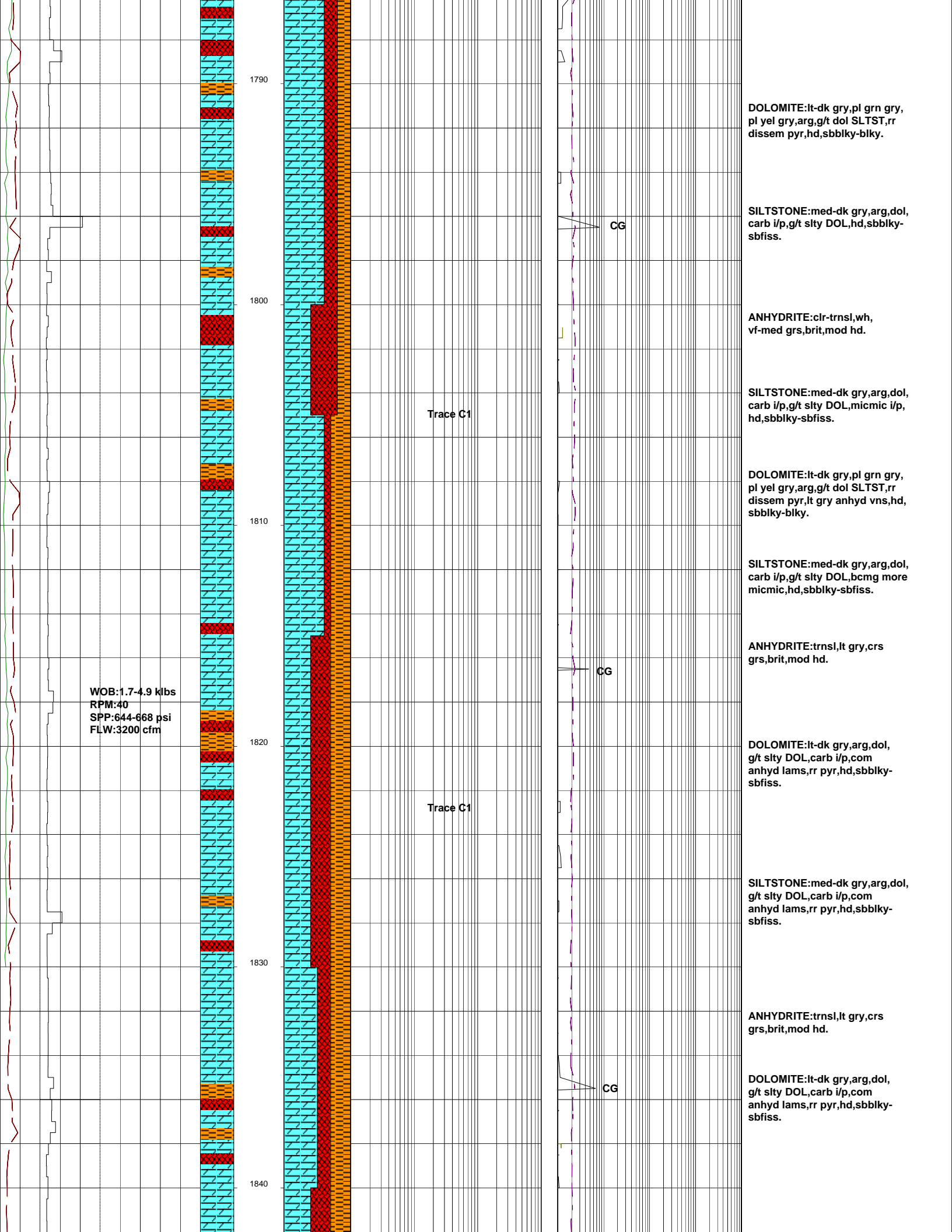


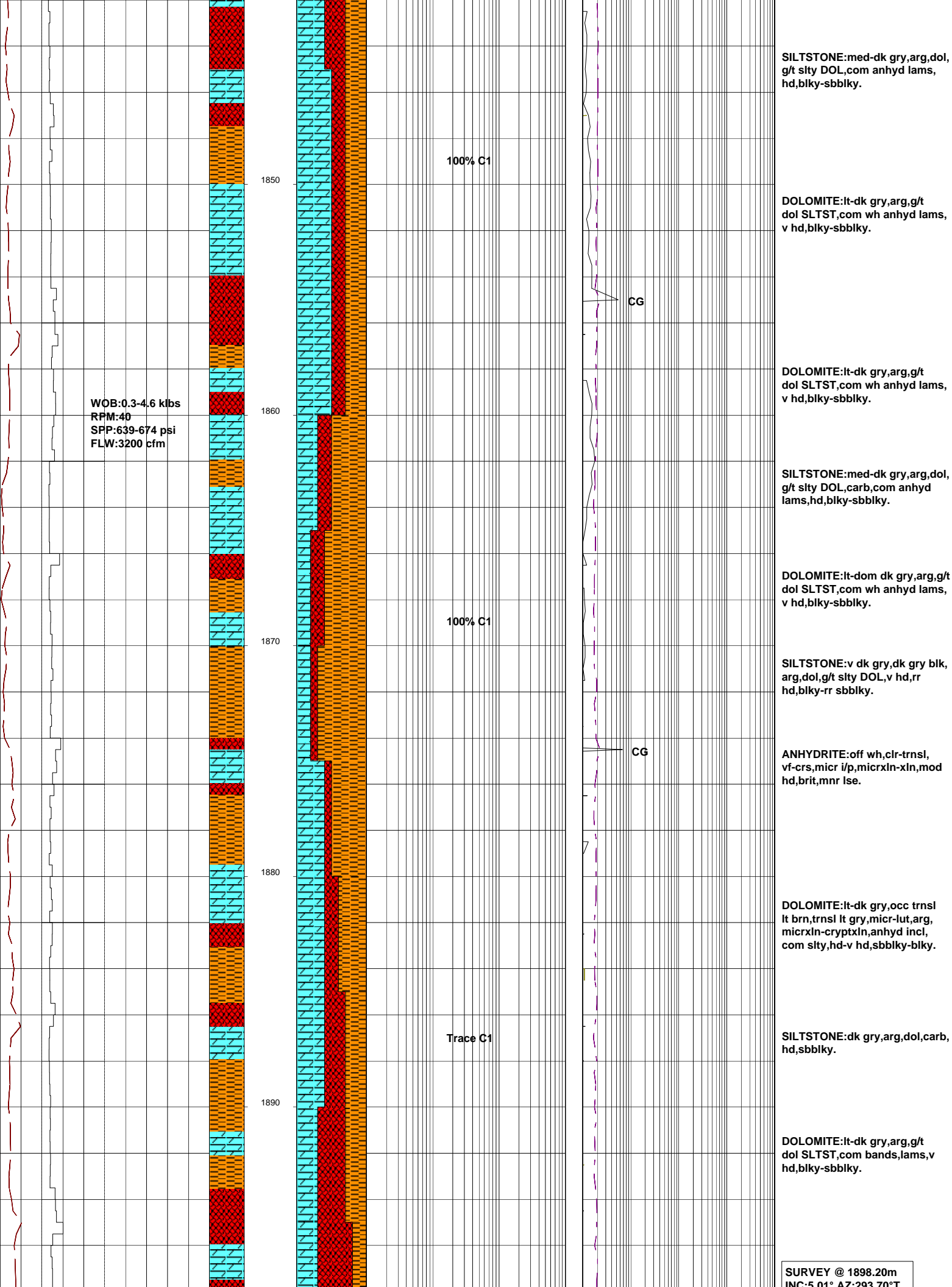


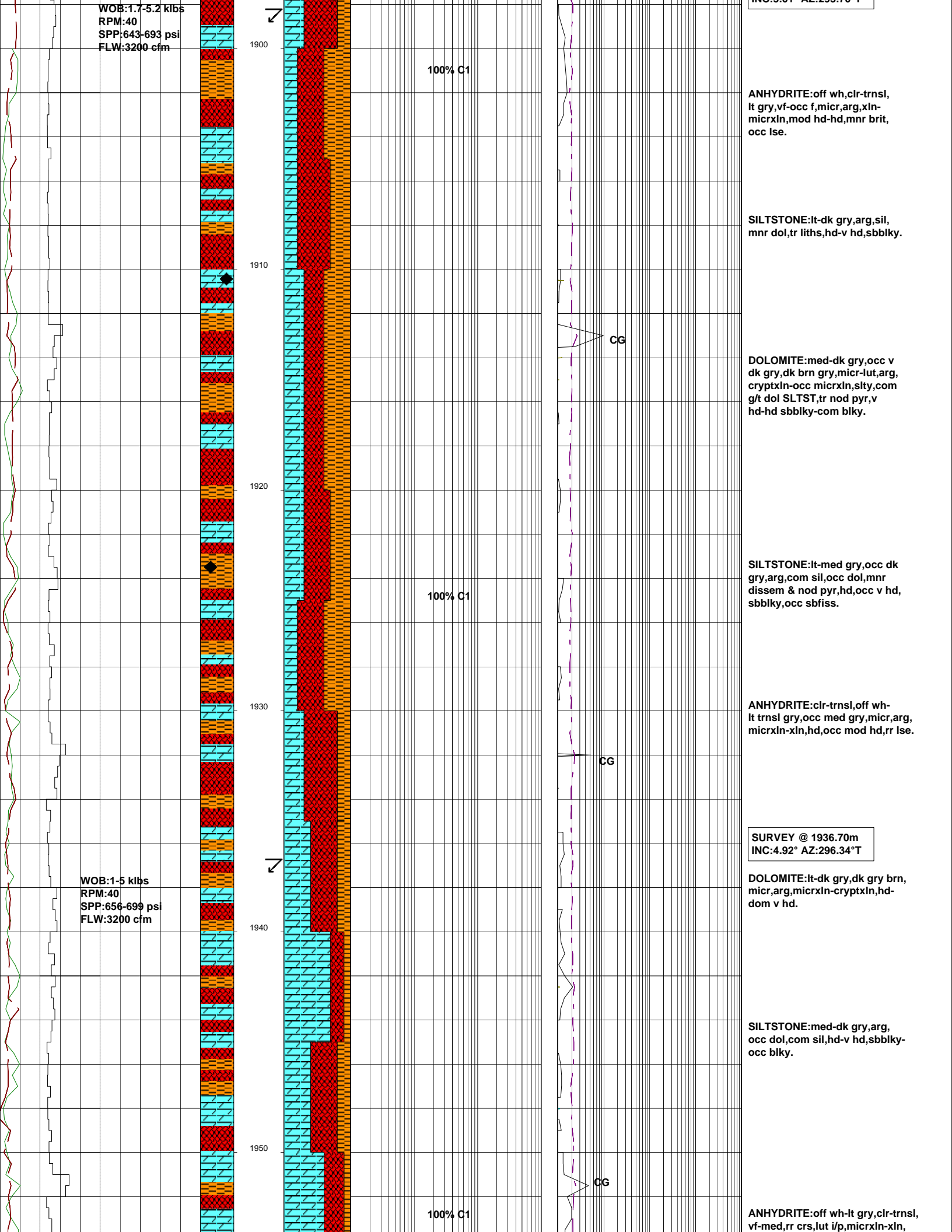


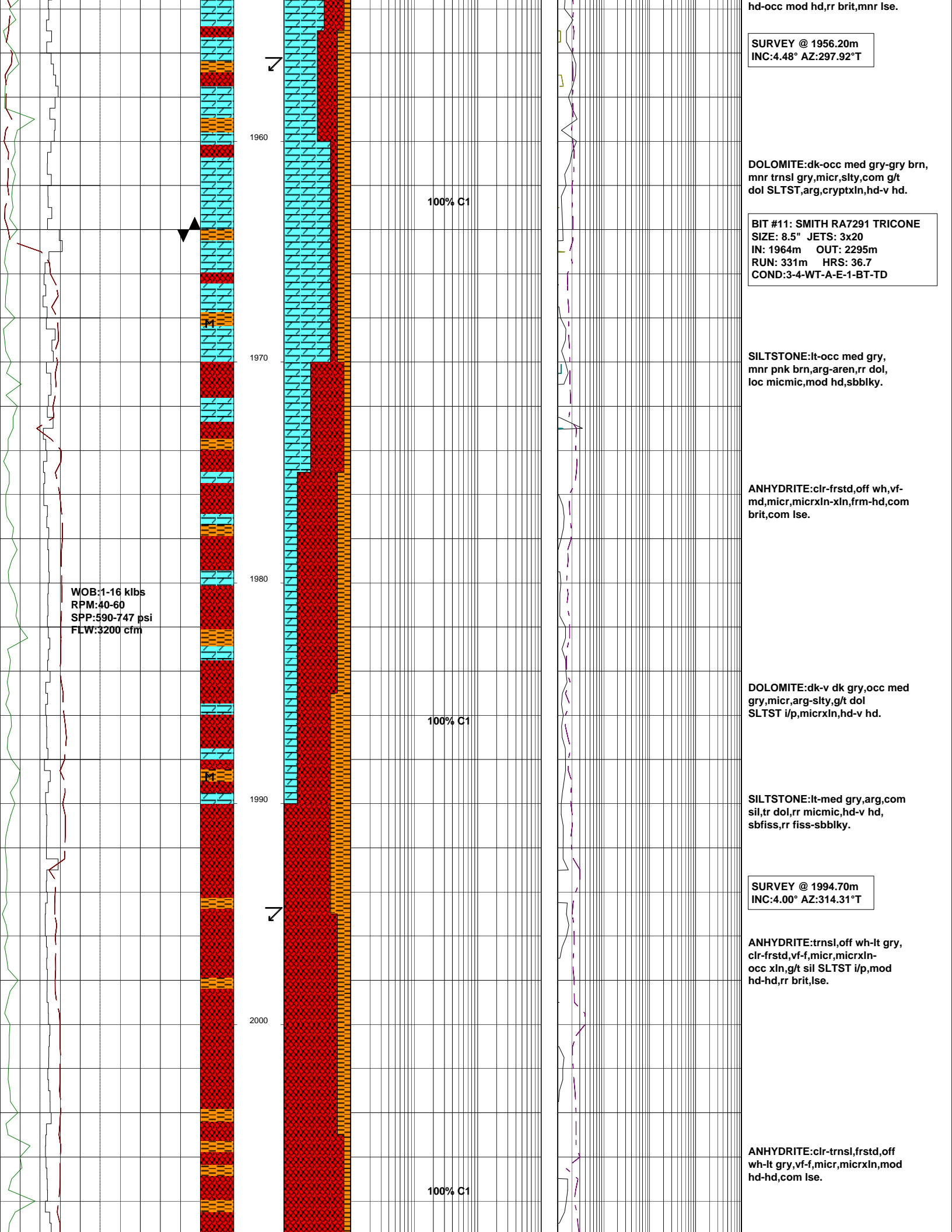


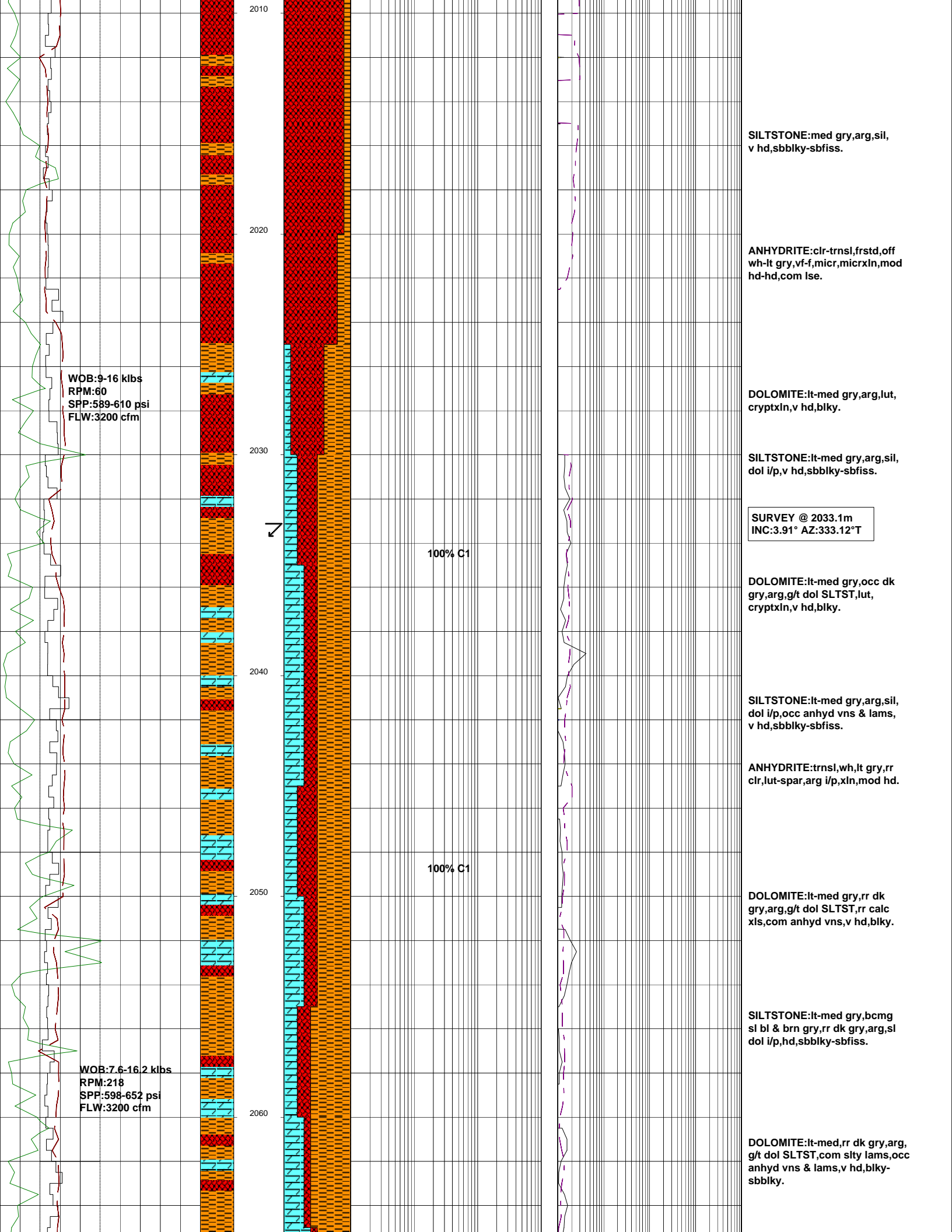




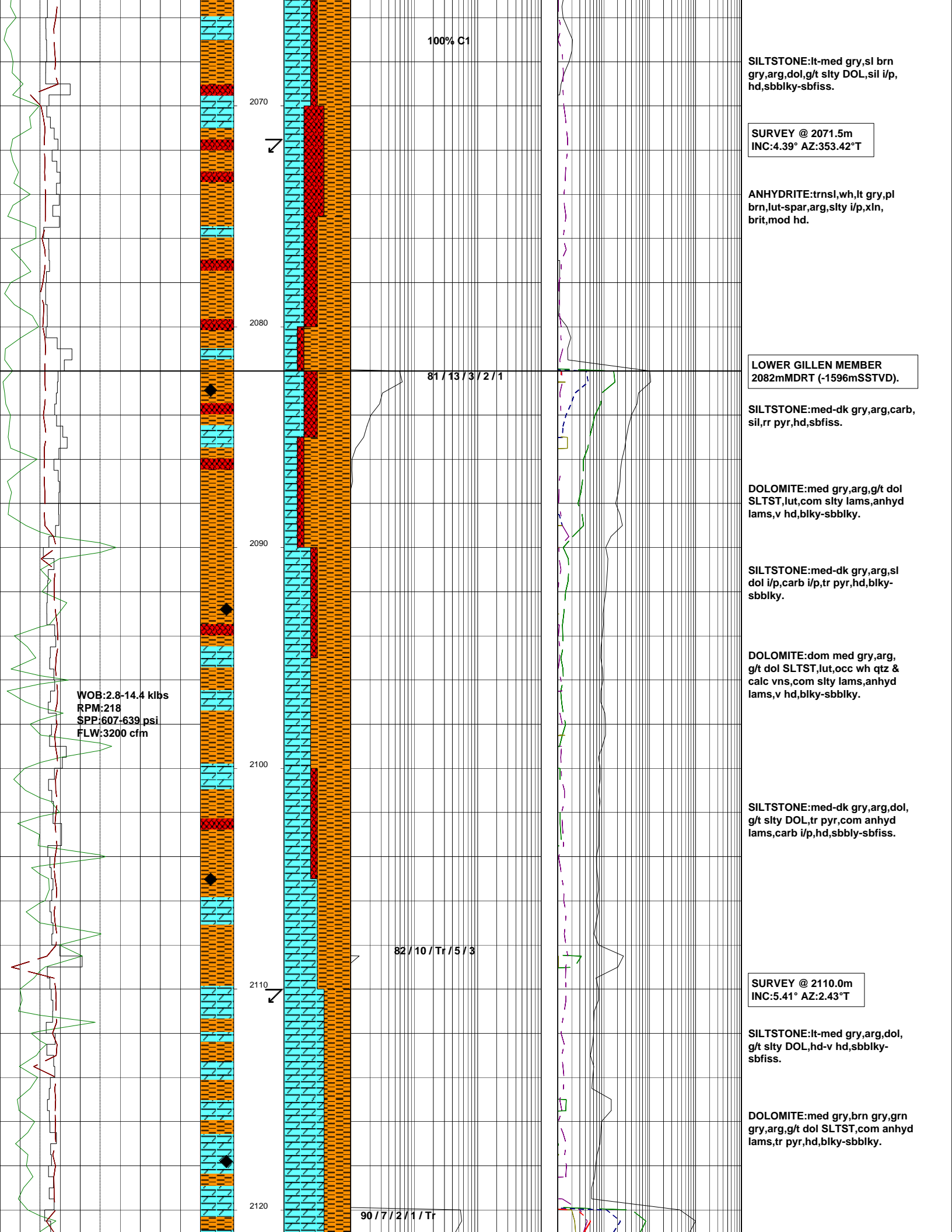


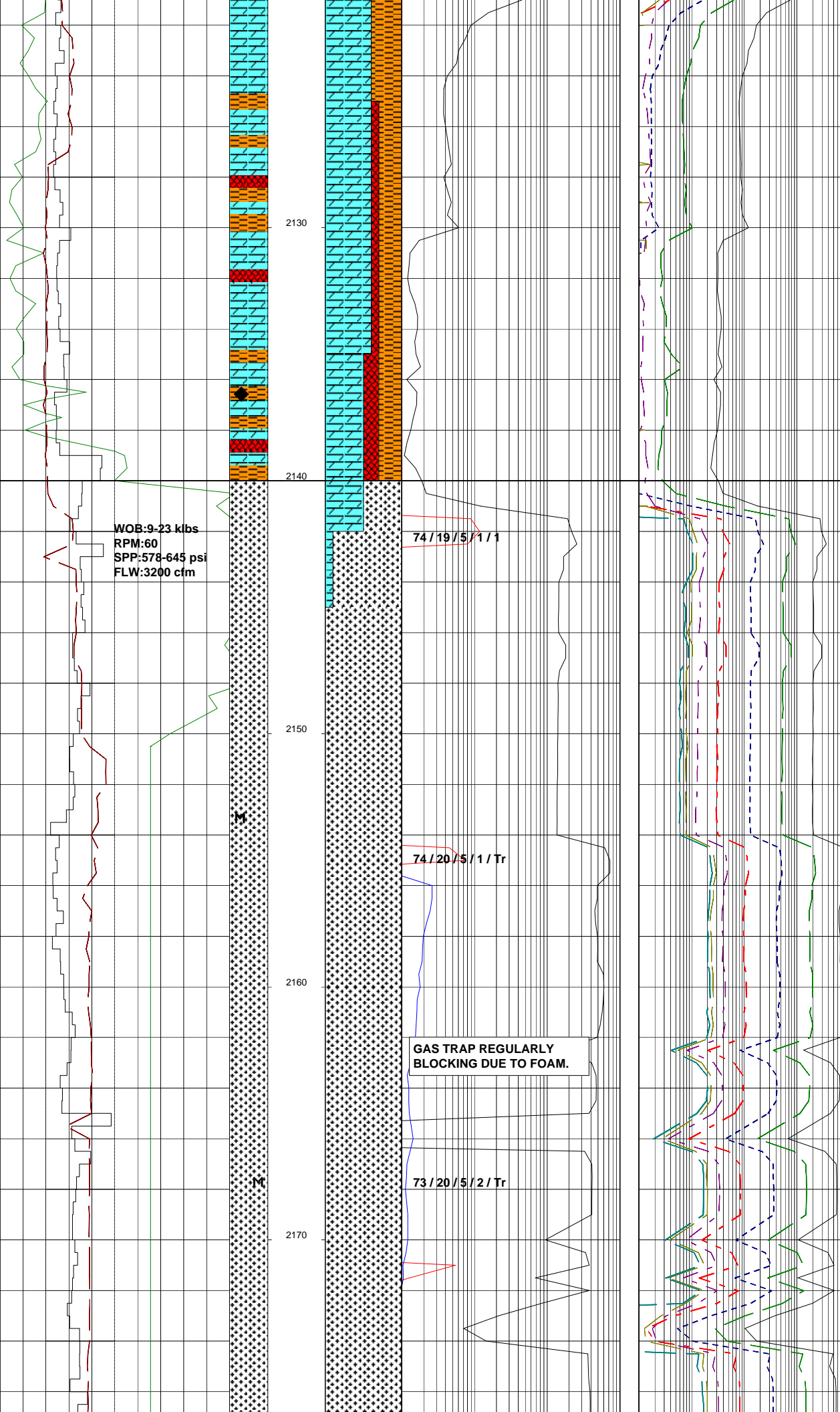












SILTSTONE:med-dk gry,arg,dol,  
g/t sily DOL,carb i/p,brit  
i/p,mod hd-v hd,sbblky-sbfiss.

DOLOMITE:lt-med gry,brn gry,  
gry brn,arg,g/t dol SLTST,  
v hd,blky-sbblky.

SILTSTONE:med-dk gry,arg,dol,  
g/t sily DOL,carb i/p,brit i/p,  
rr pyr,mod hd-v hd,sbblky-sbfiss.

BASEMENT  
2140mMDRT (-1653mSSTVD).

GRANODIORITE:trnsI off wh-  
mily wh,lt brn wh-lt gry,med-  
v crs,pr srt,ang-sbang,strg sil  
cmt,mnr lt gry arg mtx,com dk  
grn-blk liths,staining,occ qtz  
ovgths,hd-v hd,rr lse,v pr-ti  
vis por,v pr inf por,no fluor.

FLOWTEST @ 2144m  
Q=0.5 MMCFD

GRANODIORITE:v lt brn-off wh,  
clr-trnsI i/p,lt orng i/p,med-  
v crs,pr srt,ang-occ sbang,  
strg sil cmt,rr gry brn arg mtx,  
com blk & orng liths,occ qtz  
ovgths,hd-v hd,lse,v pr-ti vis  
& inf por,no fluor.

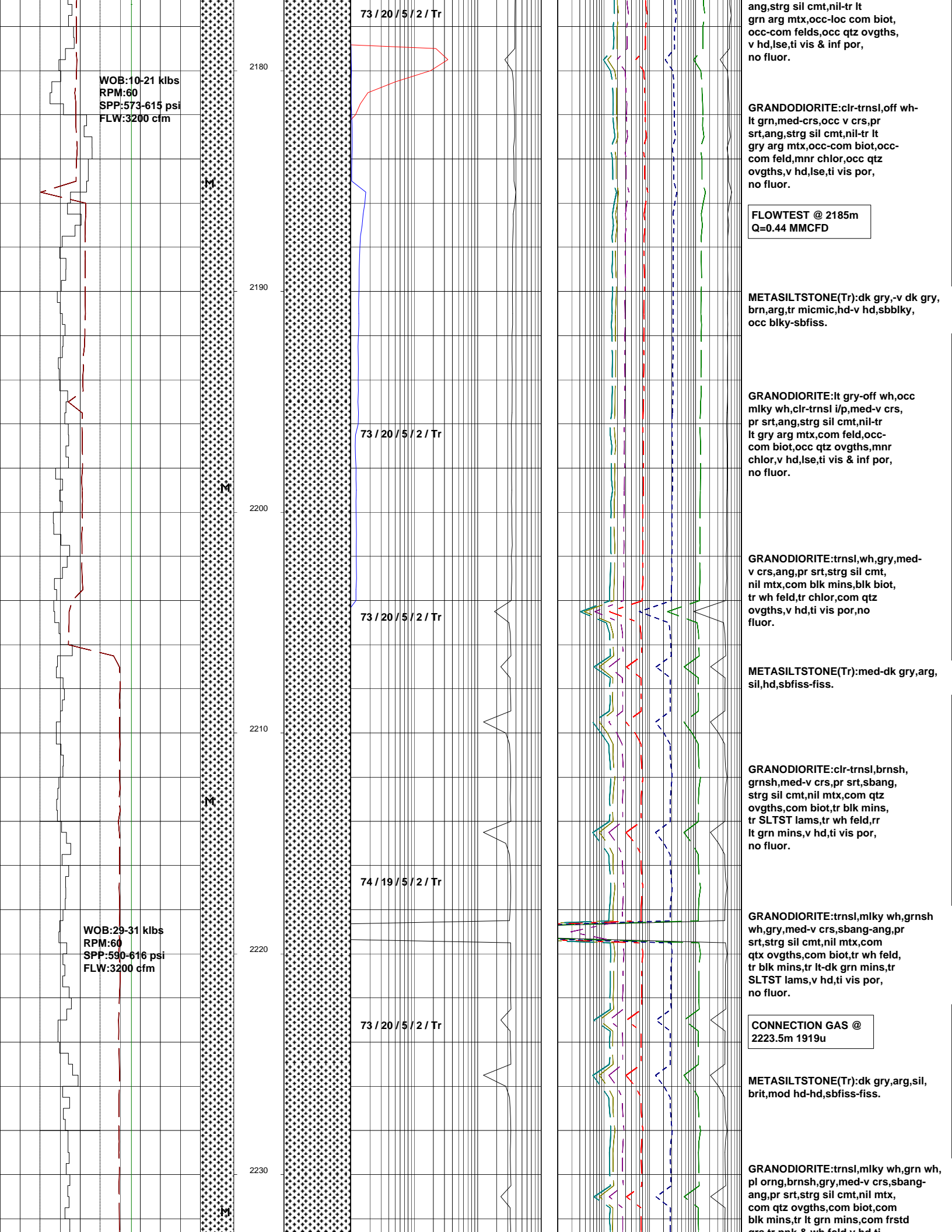
FLOWTEST @ 2156m  
Q=0.53 MMCFD

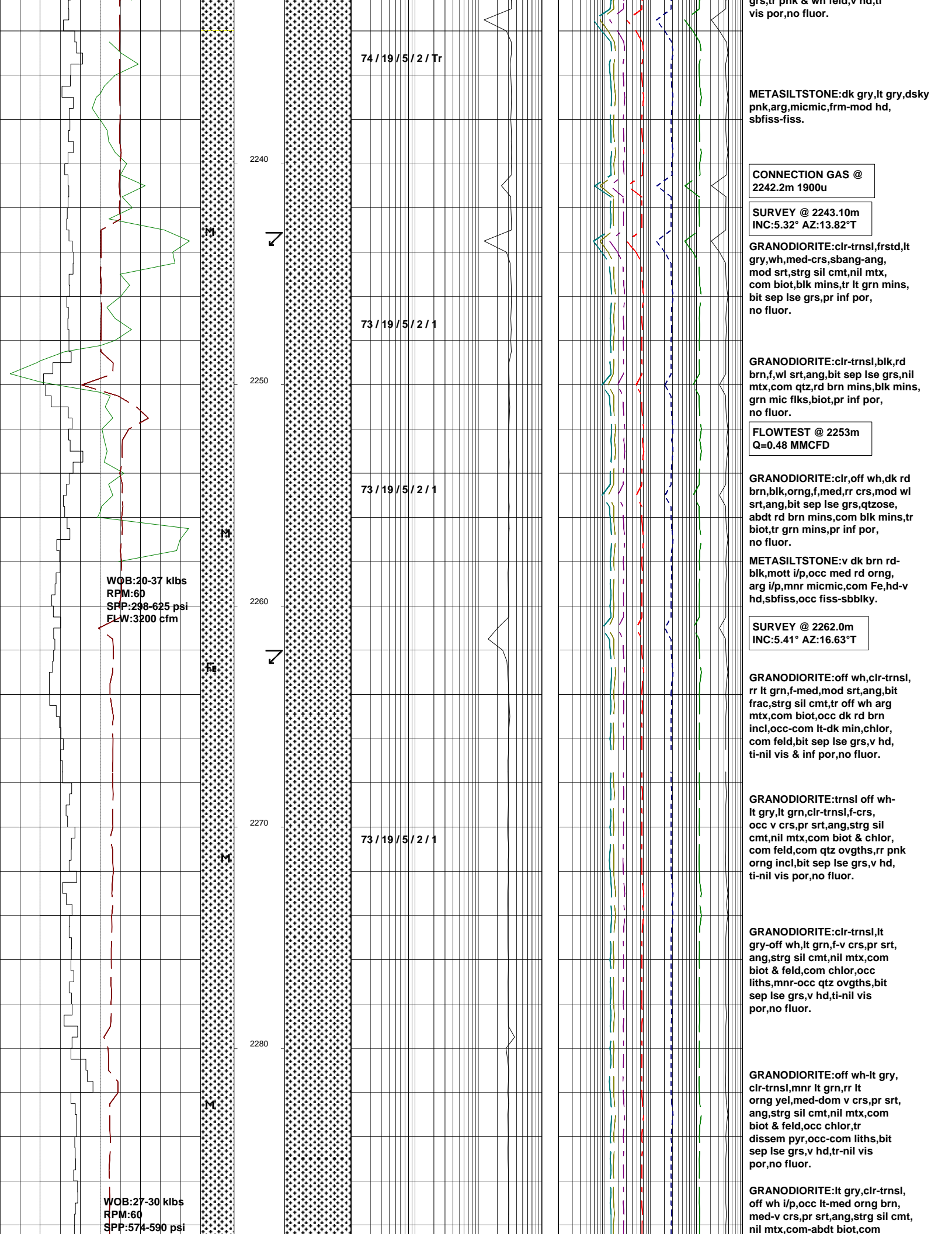
GRANODIORITE:trnsI lt gry-trnsI  
lt orng,occ off wh,med-v crs,  
pr srt,ang-mnr sbang,strg sil  
cmt,tr lt brn gry arg mtx,com  
orng & dk liths,occ biot,hd-  
v hd,mnr lse,v pr-ti vis & inf  
por,no fluor.

GRANODIORITE:clr-trnsI,off wh,  
lt grn,med-v crs,pr srt,  
ang,strg sil cmt,tr-nil off wh  
arg mtx,com biot,occ felds,  
mnr chlor,hd-v hd,lse i/p,ti  
vis por,no fluor.

GRANODIORITE:clr-trnsI,off wh,  
lt gry-lt brn,lt grn i/p,med-  
v crs,pr srt,ang,strg sil cmt,  
nil-tr lt brn-lt grn arg mtx,  
com biot,occ-com feld,occ grn  
liths,mnr qtz ovgths,v hd,lse i/p  
ti vis & inf por,no fluor.

GRANODIORITE:clr-trnsI,off wh,rr  
lt grn,med-dom v crs,pr srt,





FLW:3200 cfm

2290

73 / 20 / 5 / 2 / Tr



2300

2310

felds,mnr chlor,occ orng brn  
liths,mnr qtz ovghs,bit sep  
lse grs,v hd,ti-nil vis por,  
no fluor.

SURVEY @ 2295m  
INC:5.41° AZ:16.63°T

MOUNT KITTY 1 REACHED TD  
@ 12:15 HRS ON 12-04-2014

DRILLERS DEPTH: 2295m  
LOGGERS DEPTH: 2295.3m

LOGGING RUNS:  
RUN #1:  
GR-HNGS-HRLA-MCFL-CNL-  
TLD-SP

OPERATIONS SUSPENDED DUE  
TO RIG INCIDENT