

Colin Higgins & Associates



Scale 1:500 Metric

Well Name: **BOUNDARY CREEK 2**
Location: **GIPPSLAND**
Licence Number: **PEP157**
Spud Date: **10/10/05**
Surface Coordinates: LAT **38-11-30 S**
LONG 147-07-49 E
Region: **VICTORIA**
Drilling Completed: **17/11/05**

Bottom Hole

Coordinates:

Ground Elevation (m): **74 m** K.B. Elevation (m): **77.65 m**
Logged Interval (m): **15** To: **2341** Total Depth (m): **2341**

Formation: **STREZLECKI**

Type of Drilling Fluid: **KCI Polymer**

Printed by MUD.LOG from WellSight Systems Inc. 1-800-447-1534 www.wellsight.com

OPERATOR

Company: **LAKES OIL NL**
Address: **Level 11, 500 Collins St, Melbourne, 3000**

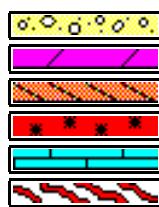
GEOLOGIST

Name: **DAVE HORNER**
Company: **ECL**
Address:

ROCK TYPES



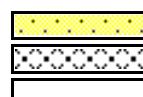
Anhy
Bent
Brec
Cht
Clyst
Coal



Congl
Dol
Gyp
Igne
Lmst
Meta



Mrlst
Salt
Shale
Shcol
Shgy
Slst



Ss
Till
Blank

ACCESSORIES

MINERAL
Anhy
Arggrn
Arg
Bent
Bit
Brecfrag
Calc
Carb
Chtdk
Chtlt
Dol
Feldspar
Ferrpel
Ferr
Glau
Gyp
Hvymin
Kaol

	Marl		Coral
	Minxl		Crin
	Nodule		Echin
	Phos		Fish
	Pyr		Foram
	Salt		Fossil
	Sandy		Gastro
	Silt		Oolite
	Sil		Ostra
	Sulphur		Pelec
	Tuff		Pellet
	FOSSIL		Pisolite
	Algae		Plant
	Amph		Strom
	Belm		STRINGER
	Bioclst		Anhy
	Brach		Arg
	Bryozoa		Bent
	Cephal		Coal

	Dol
	Gyp
	Ls
	Mrst
	Sltstrg
	Ssstrg
	TEXTURE
	Boundst
	Chalky
	Cryxln
	Earthy
	Finexln
	Grainst
	Lithogr
	Microxln
	Mudst
	Packst
	Wackest

OTHER SYMBOLS

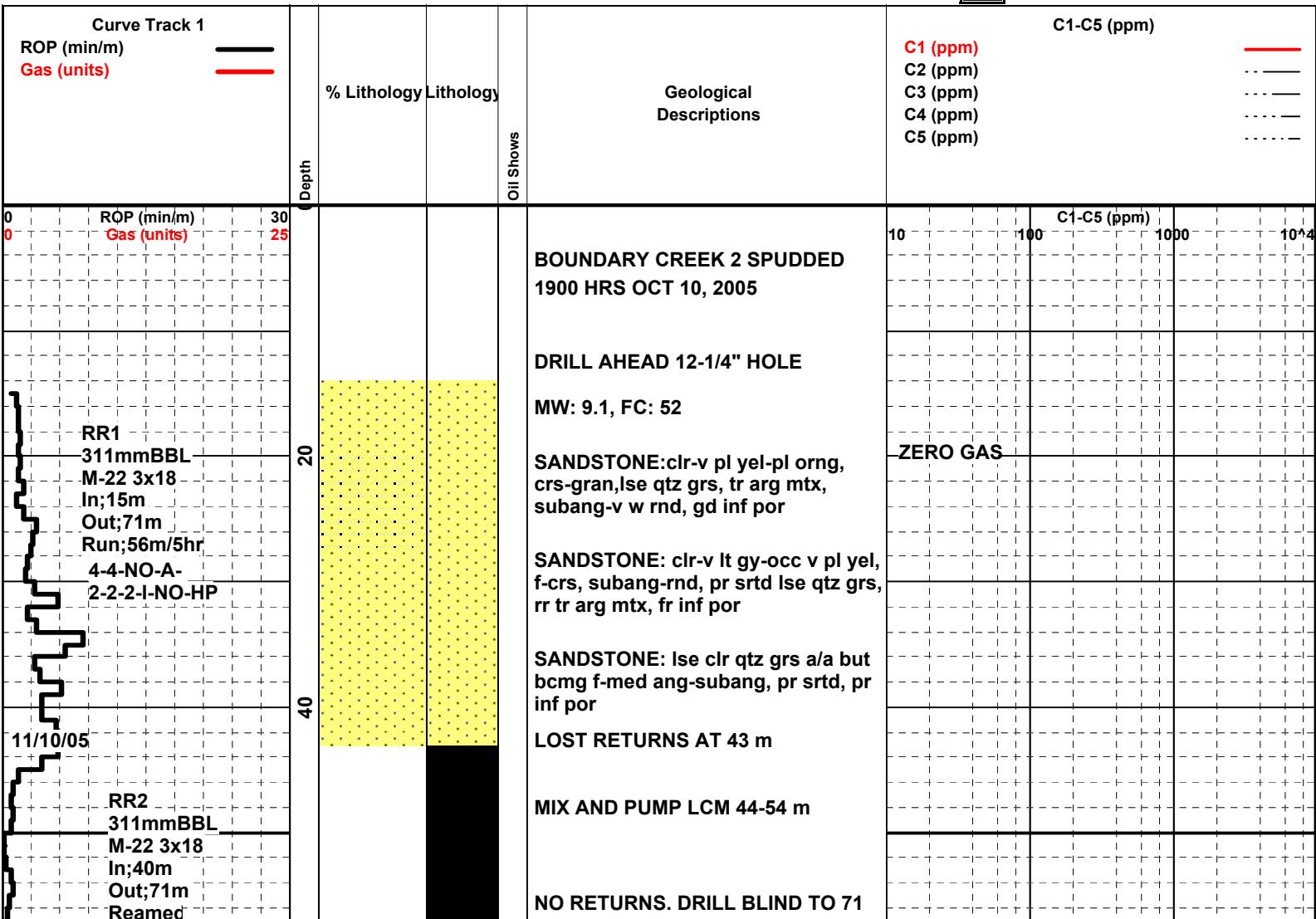
POROSITY TYPE
E Earthy
S Fenest
F Fracture
X Inter
A Moldic
O Organic
P Pinpoint

V	Vuggy
W	SORTING
W	Well
M	Moderate
P	Poor
R	ROUNDING
R	Rounded
T	Subrnd

a	Subang
A	Angular
Oil Shows	OIL SHOWS
●	Even
○	Spotted
○	Ques
D	Dead

INTERVALS

None
Core
Dst
Csg2
EVENTS
Rft
Sidewall
Csg13



4-4-NO-A-
2-2-2-I-NO-HP

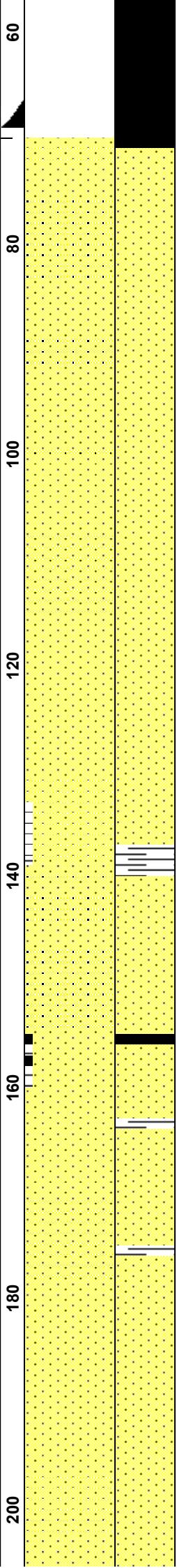
RR3 444 mm
HTC GTX-1
In;15m
Out;70m
Reamed
1-1-NO-A-E-D
-E-E-I-NO-TD

RR4 311 mm
BBL M-22
3x18 In;71m
Out;261m
Run;190/11.5hr

4-4-NO-A-2-2
-2-I-NO-TD

ROP (min/m) 30
Gas (units) 25

14/10/05



m

CEMENT OPEN HOLE

RUN 13-3/8 CSG AS CONDUCTOR
TO 69 M. DRILL AHEAD WITH FULL
RETURNS

SANDSTONE: clr-v lt gy-clss,
trnsl-opq, occ sli frsty, med-v crs,
dom crs, mod srted, subang-subrnd,
lse, tr pyr,tr mic, rr tr arg mtl, gd inf
por

NO RETURN FLOW

NIL GAS

10 100 1000 10⁴
C1-C5 (ppm)

SANDSTONE: clr-v lt gy-clss,
trnsl-opq, occ sli frsty, med-v crs,
dom crs, mod srted, subang-subrnd,
lse, tr pyr,tr mic, rr tr arg mtl, gd inf
por

MW 8.6, FV 40 , PV 12, YP 6, Gel
4/8/10, WL 21, Sol 2.1, pH 11.2, CL
6500.

NIL GAS

SANDSTONE: clr-v lt gy-clss,
trnsl-opq, occ sli frsty, med-v crs,
dom crs, mod srted, subang-subrnd,
lse, tr pyr,tr mic, rr tr arg mtl, gd inf
por

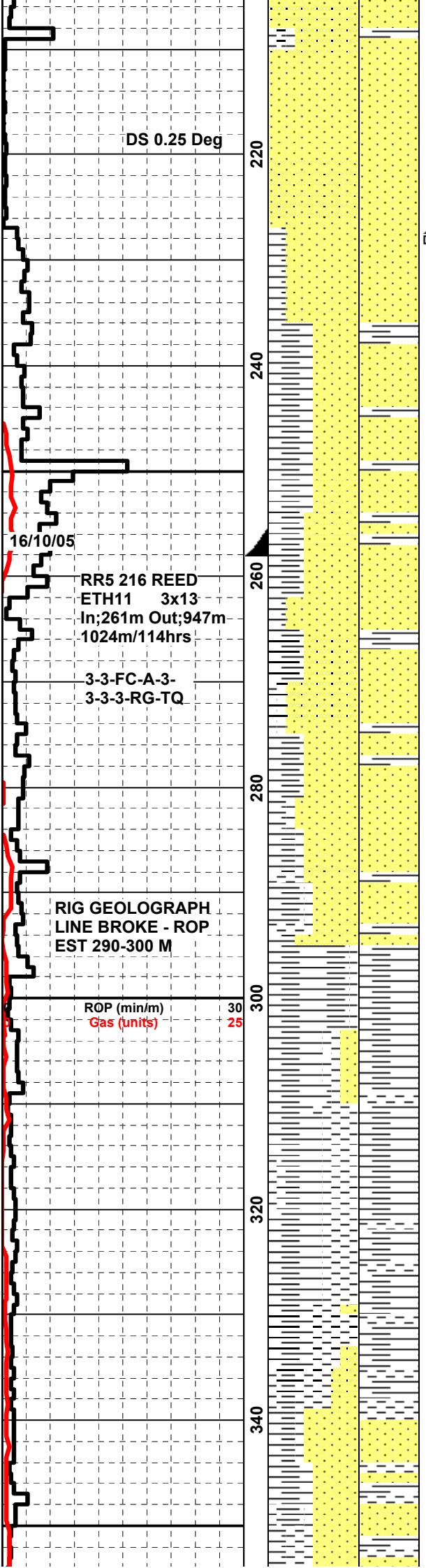
SANDSTONE: clr-v lt gy-clss,
trnsl-opq, occ sli frsty, med-v crs,
bec finer w dpth, mod srted,
subang-subrnd, lse, tr pyr,tr mic, rr
tr arg mtl, gd inf por

NIL GAS

SANDSTONE: clr-v lt gy-clss,
trnsl-opq, occ sli frsty, pred f, mod
srted, subang-subrnd, lse, tr pyr,tr
mic, rr tr arg mtl, gd inf por

10 NIL GAS 100 1000 10⁴
C1-C5 (ppm)

SANDSTONE: clr-v lt gy-clss,
trnsl-opq, occ sli frsty, pred m, mod
srted, subang-subrnd, lse, tr pyr, gd
inf por



SANDSTONE: as 30% lse qtz gns, clr, trns, crs, w srted, rnd-sbrnd, occ orng gns and 50% SS, lt gy-gy, m grn, w srted, consists of qtz, feld, mic, tr py, arg mtx & **SLTST:** 20 % lt bn gy, sft-frmm, sbblk

SANDSTONE: lt-med gy-med grn gy,
vf-crs dom med, subang-subrnd,
mod srt, wk sil cmt, com wh arg mtx,
abnt fels & liths, com qtz grs, tr blk
carb mtl, pr-fr vis por, no fluor

CLAYSTONE: It gy-med grn gy, mod silty, tr blk carb flecks, tr pyr, sft, v disp, non-fiss

**MW 8.55, FV 42, PV 15, YP 24, Gel
3/3/ WI 10 Sol 1.0 pH 10.9 Cl 9000**

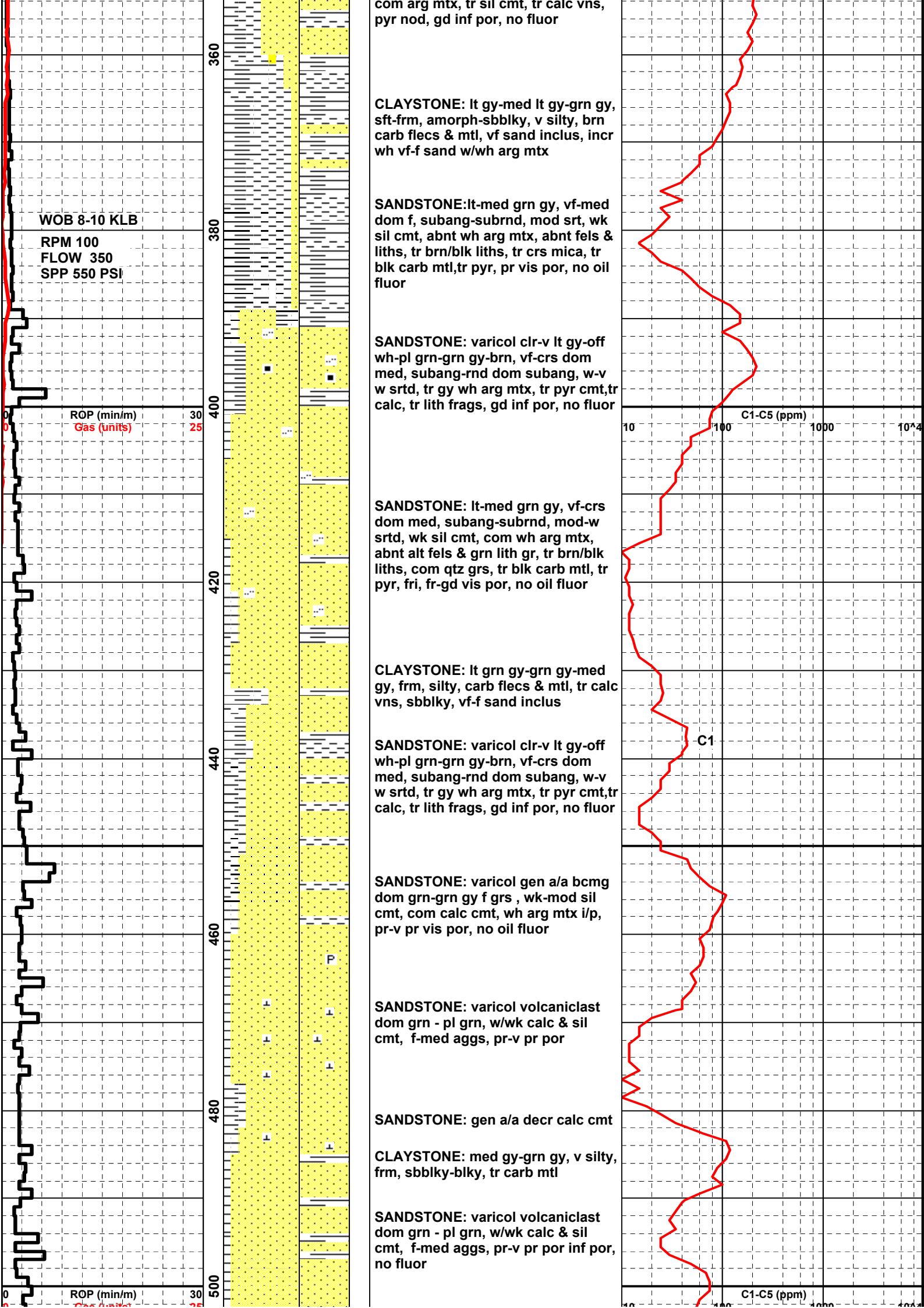
SANDSTONE: It-med gy-med grn gy,
vf-crs dom med, subang-subrnd,
mod srt, wk sil cmt, com wh arg mtx,
abnt fels & liths, com qtz grs, tr blk
carb mtl, pr-fr vis por, no fluor

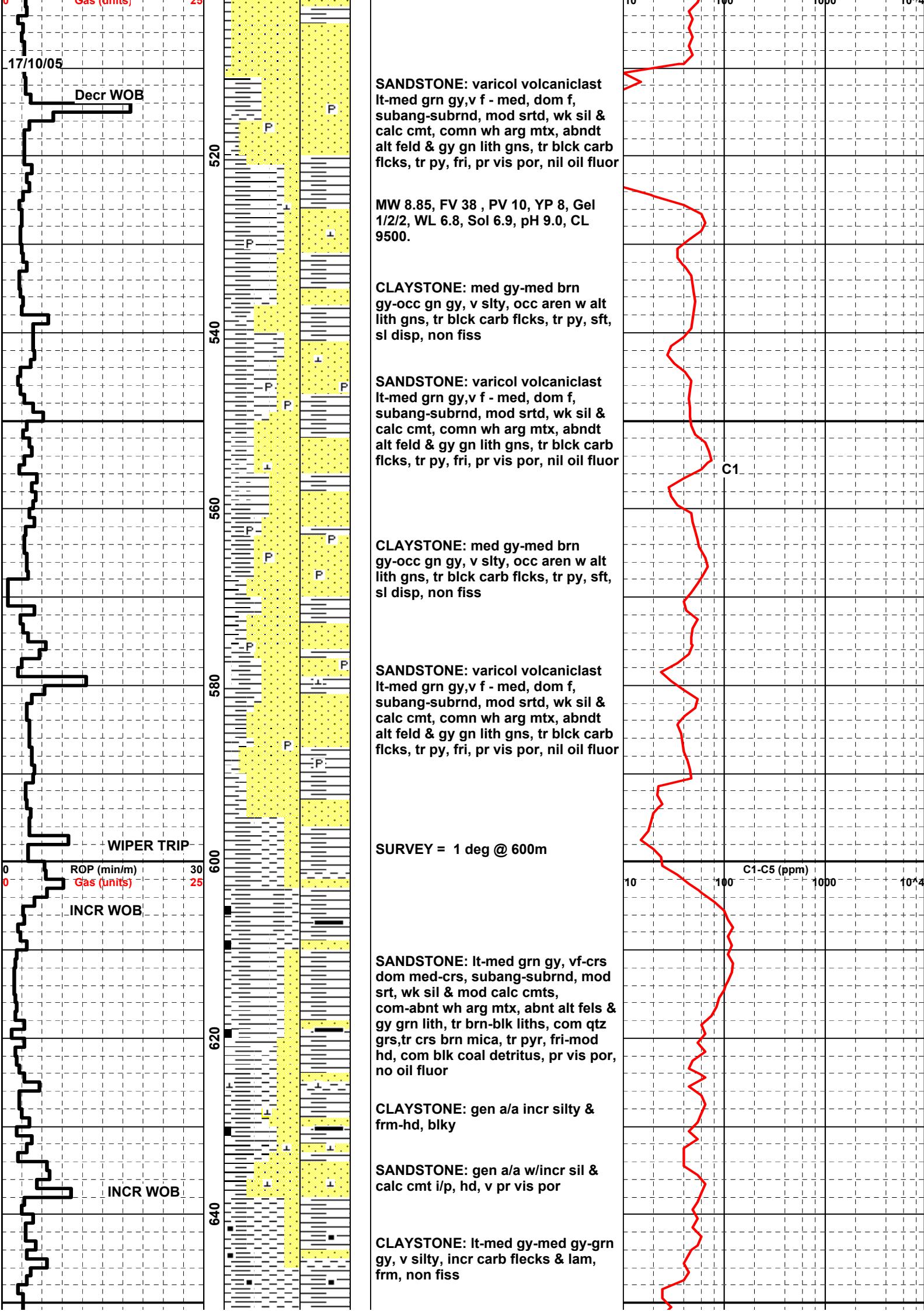
CLAYSTONE: lt gy-dk gy, pred mod
frm, blky-sblkly, sl micr mic, occ
carb flcks

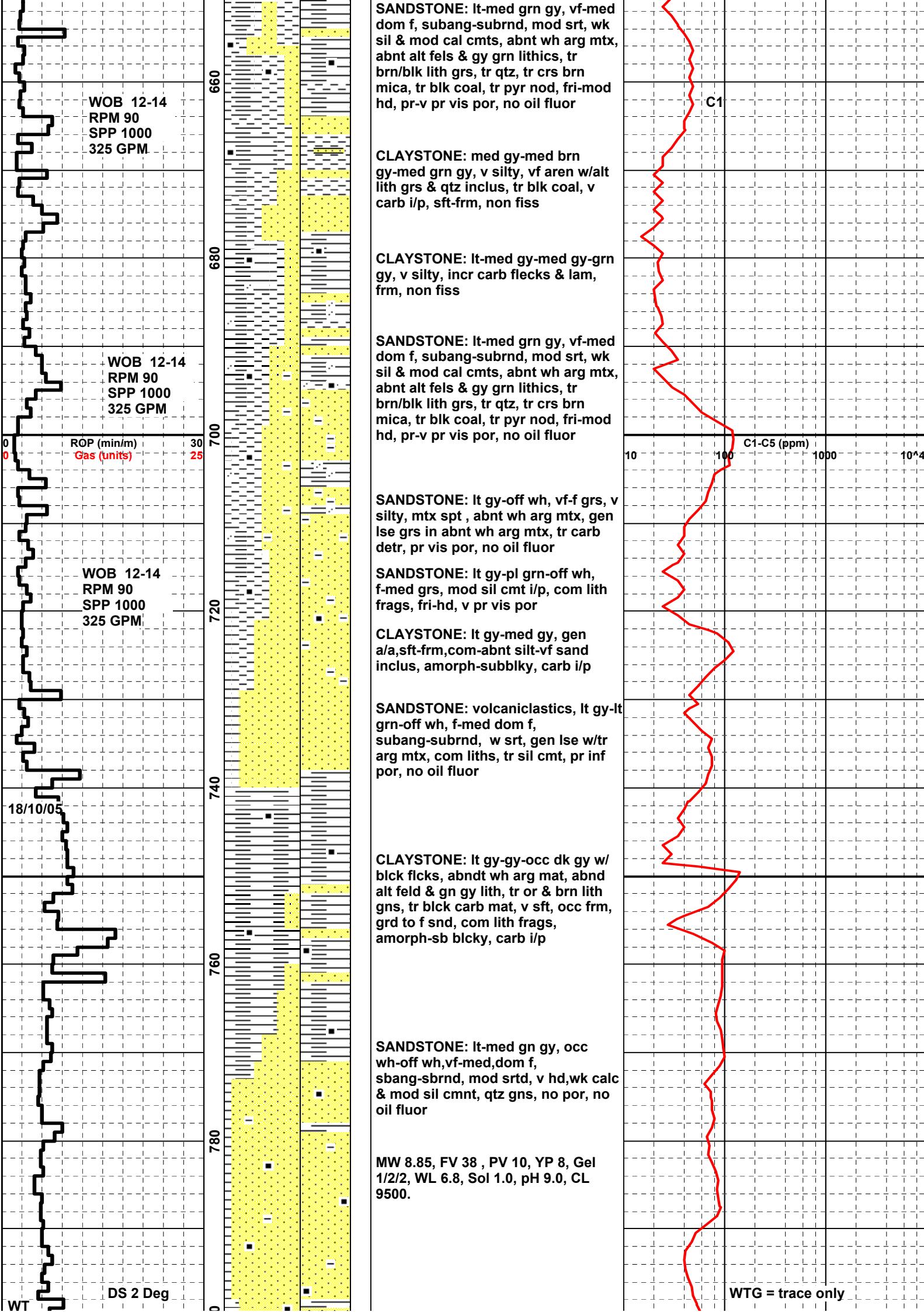
CLAYSTONE: It gy-med gy-grn gy, v silty i/p, sft-frm, subblk, com brn carb mtl, flecs & lamin, vf sst inclus, sli micmic

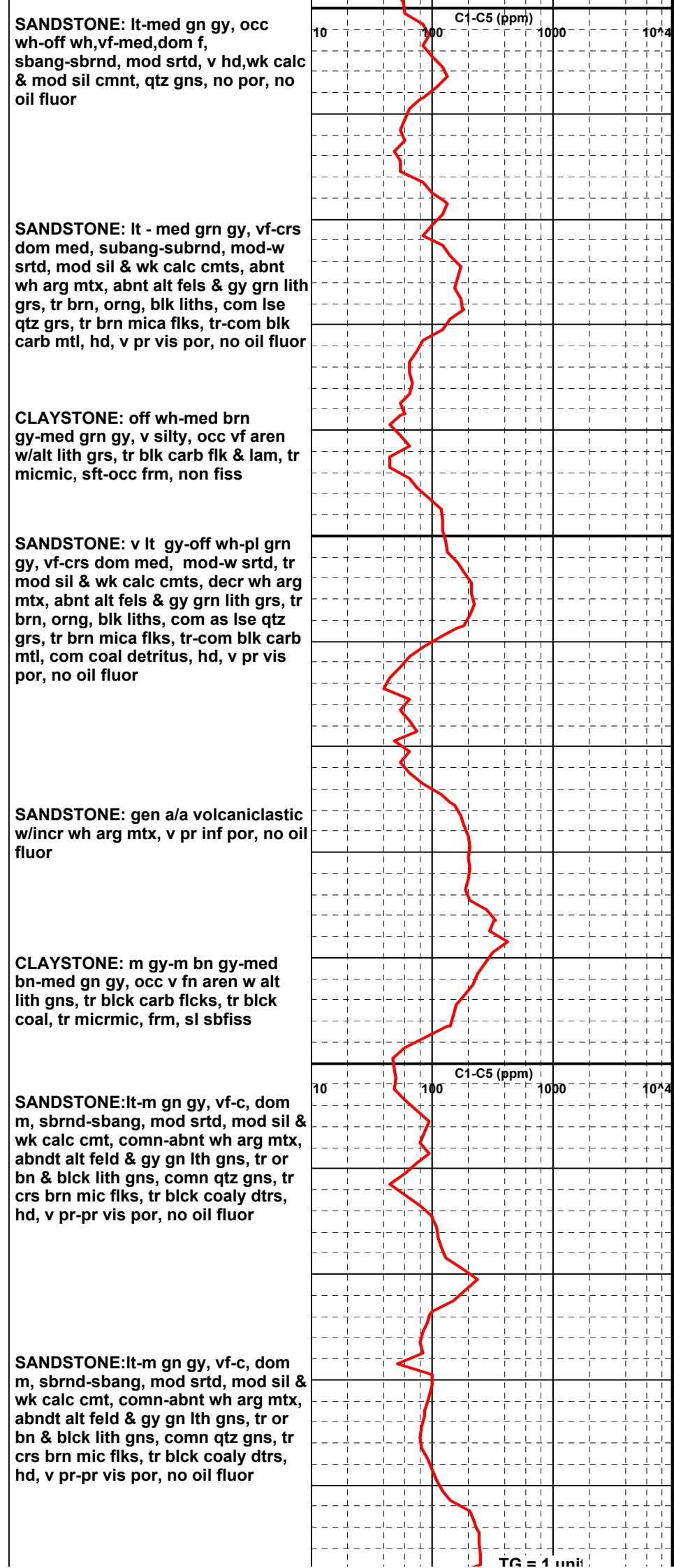
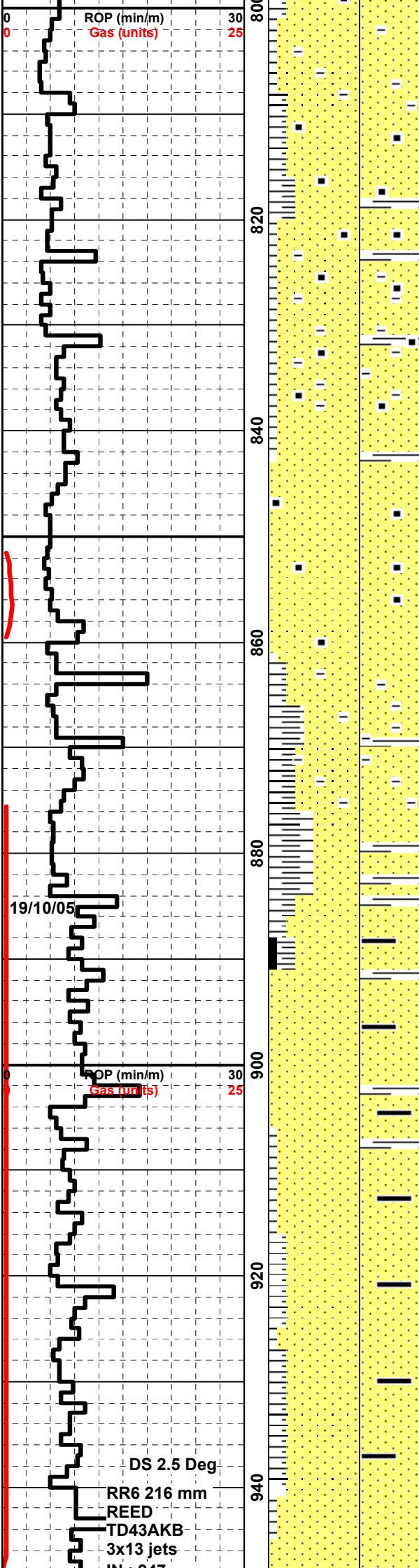
CLAYSTONE: It gy-med It gy-grn gy, sft-frm, amorph-sbblky, v silty, brn carb flecs & mtl, vf sand inclus, incr wh vf-f sand w/wh arg mtx

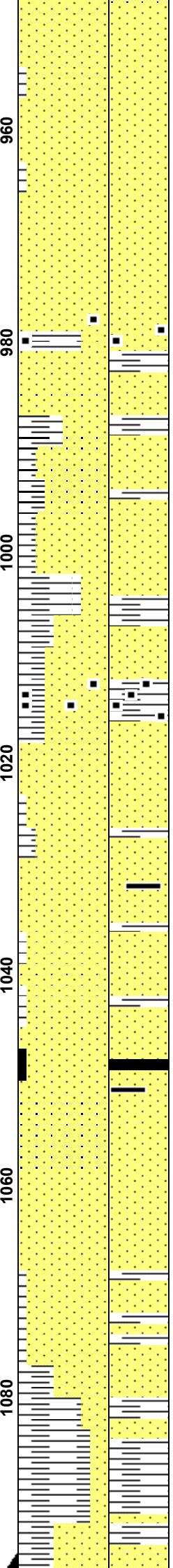
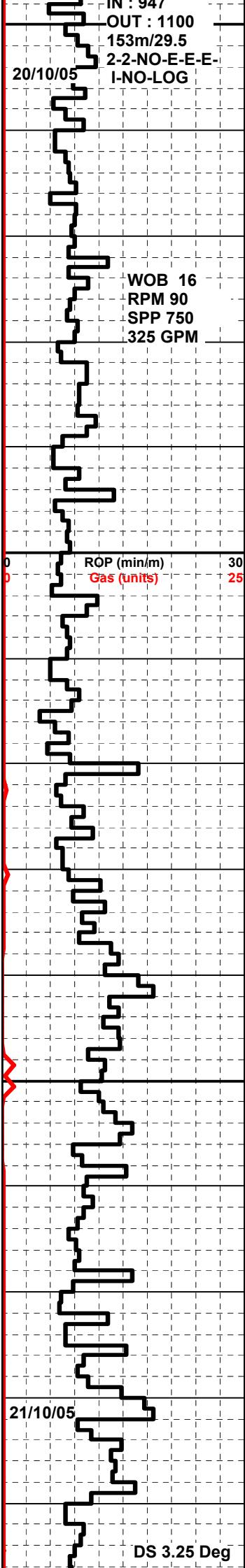
SANDSTONE: v lt gy-off wh, vf-med
dom f-med, ang-subrnd, w-v w srtd,











CLAYSTONE: It gy, It brn, sft-frm,tr-mod carb spks and lams, aren i/p, non calc, sbky

SANDSTONE: It- gy, It gn, med -crs, sbrnd, occ sbang, wl srted, mod calc cmt, abndt alt feld & gy gn lth gns, mod qtz gns, frm-hd, v gd vis por, no oil fluor.

SANDSTONE: It-med gy, vf-occ m, sbang-sbrnd, mod w srted, mod sil & calc cmt, abndt wh arg mtx, abndt alt deld & gr gn lith gns, tr or & bn lith gns, cmn qtz gns, tr blk coal, tr py, hd, no vis por, no oil fluor

CLAYSTONE: off wh-lt bn-med bn gy, mod-v slty, pred vf aren w alt lith gns, tr black carb flicks, tr blk coal, tr micrmic, frm, sl sbfiss

CLAYSTONE: off wh-lt bn-med bn gy, mod-v slty, pred vf aren w alt lith gns, tr black carb flicks, tr blk coal, tr micrmic, frm, sl

SANDSTONE: It-m gn gy, vf-c, dom m, sbang-sbrnd, mod srted, mod sil & calc cmt, abndt wh arg mtx, abnt alt feld & gy gn lth gns, tr or & bn & blk lith gns, com qtz gns, tr blk coal, tr py, hd, v pr vis por, nil oil fluor

SANDSTONE: a/a incr wl cmted, no vis por.

CARBIDE @ 1042m TG 10 Units Hole 8% O'Guage

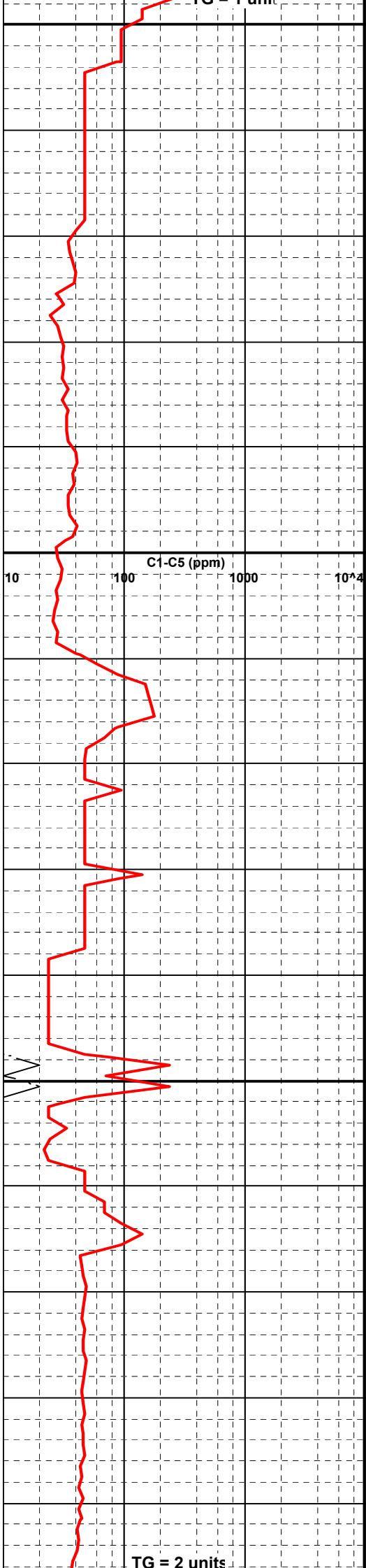
COAL: brn-blk,hd, brtl, sbvit,sng to sub conc frac-cleated, sbky.

SANDSTONE: It to med grn gy, vf-c, pred m, sbang-sbrnd, mod srted, mod sil and str calc cmt, cmn wh arg mtx, abund alt fldspr and gy gn lthc grns, tr orn brn and blk lith grns, cmn qtz grns, tr com blk coaly detritus, hd, v por vis por, no flu.

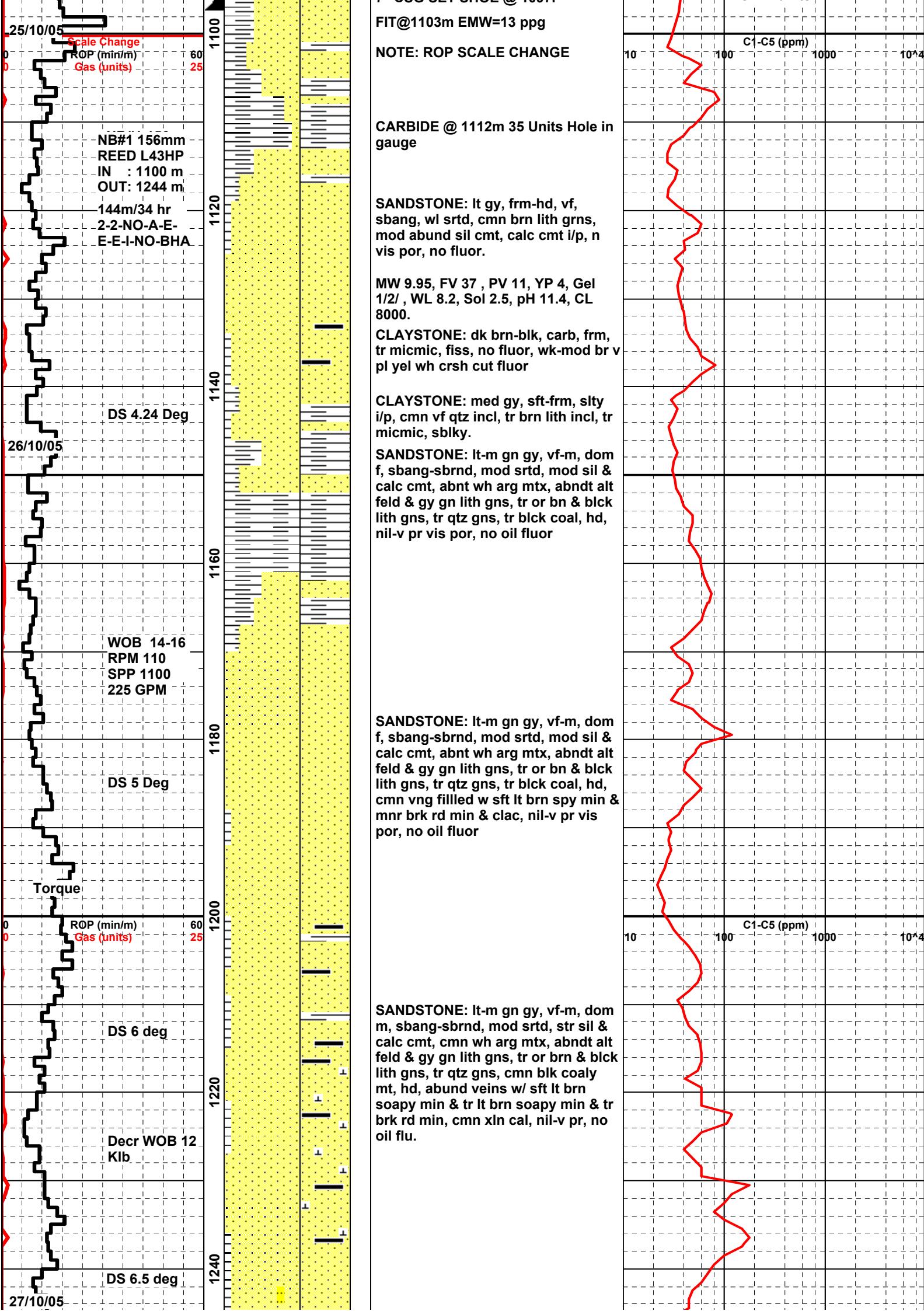
CLAYSTONE: med gy - med bn - med gn gy, mod-v slty, ot v aren w alt lith gns

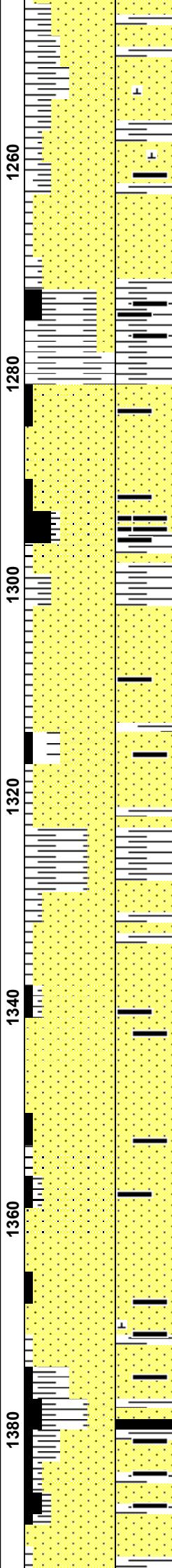
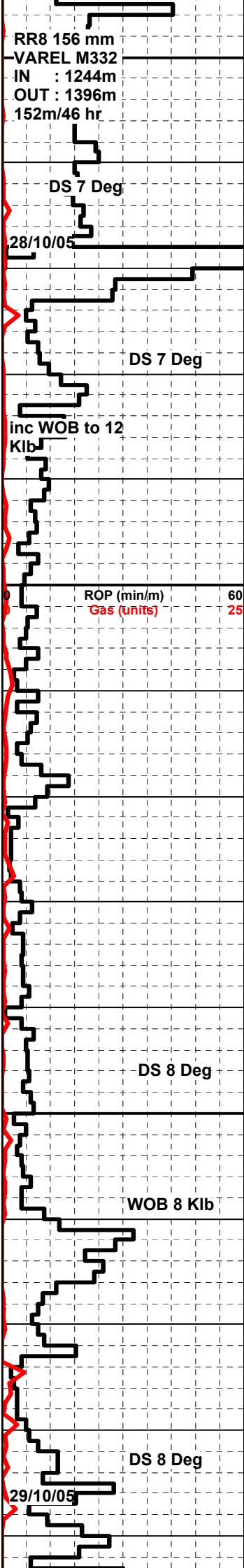
Wireline Log Run1;
 MLL\DLL\XMAC\ZDL\CN\GR\ IRMT
 Run2; RCLR: CUT 21,REC 21

7" CSG SFT SHOF @ 1097r



TG = 2 units





CLAYSTONE: ol gy, gy, blk-brn, sly i/p, tr-mod carb spk & lams, tr-mod micmic, frm, sblky.

SANDSTONE: lt-m gn gy, vf-m, dom m, sbang-sbrnd, mod srted, str sil & calc cmt, cmn wh arg mtx, abndt alt feld & gy gn lith gns, tr or brn & blk lith gns, tr qtz gns, cmn blk coaly mt, hd, abund veins w/ sft lt brn soapy min & tr lt brn soapy min & tr brk rd min, cmn xln cal, nil-v pr, no oil flu.

COAL: blk-dk gy, earthy-sbvitr lustr, bicky-sbconch frac, clin-dom v arg, hd, brttl, no fluor

CLAYSTONE: m-dk gy - med gn gy, v sly ip, occ v f aren w alt lith gns, tr blk carb flicks, cmn blk coal, tr micmic, mod hd, subfiss

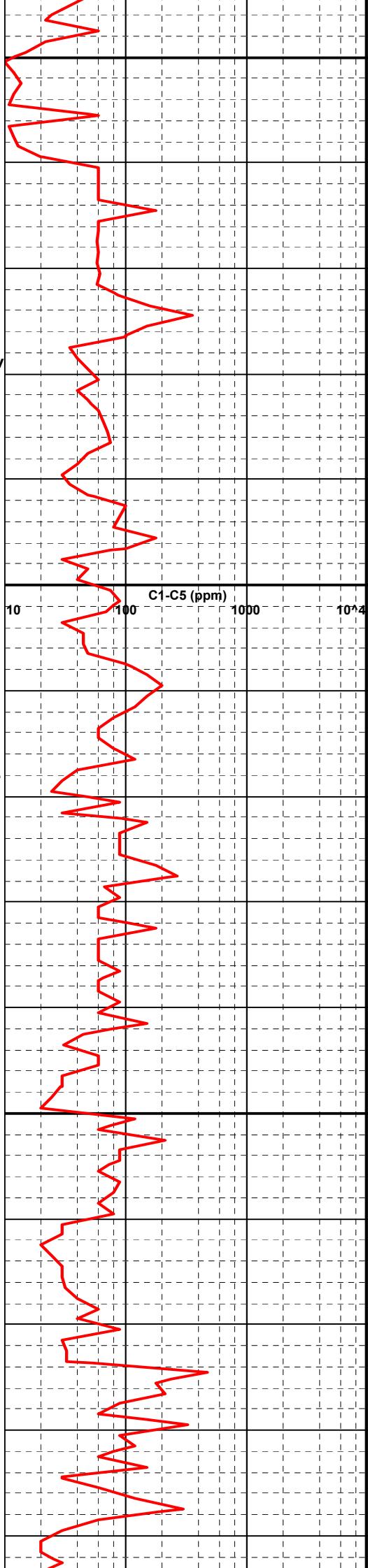
COAL: blk-dk gy, earthy-sbvitr lustr, bicky-sbconch frac, clin-dom v arg, hd, brttl, wk dull yel crsh cut fluor

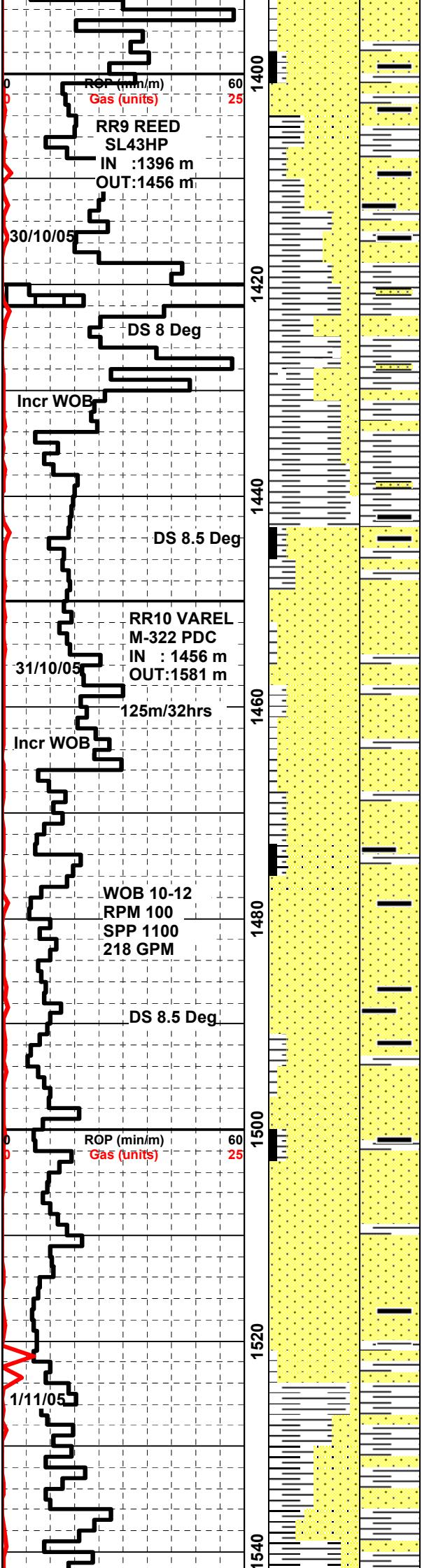
MW 9.3, FV 39, PV 12, YP 7, Gel 2/4/5, WL 7, Sol 7, pH 10.8, CL 9,800.

SANDSTONE: lt-m gn gy, vf-m, dom m, sbang-sbrnd, mod srted, str sil & calc cmt, cmn wh arg mtx, abndt alt feld & gy gn lith gns, tr or brn & blk lith gns, tr qtz gns, cmn blk coaly mt, hd, abund veins w/ sft lt brn soapy min & tr lt brn soapy min & tr brk rd min, cmn xln cal, nil-v pr, no oil flu.

COAL: dk brn-blk, frm-hd, sub vitr-dull lustre, fiss, dull wh c cut, thn yl-wh sptd res ring.

CLAYSTONE: m-dk gy - med brn gy, v sly ip, occ v f aren w alt fldspr gns, tr blk carb flicks, cmn blk coal, tr micmic, mod hd, subfiss.





SANDSTONE: It-m gy, vf-m, dom f, sbang-sbrnd, mod srtd, mod sil & str calc cmt, abund wh arg mtx, abund altr fldspr, cmn gy gn liths, tr orn brn & blk lths, tr qtz gns, cmn blk coaly mt, cmn to abnd veining infld w/ sft lt brn soapy mt & br rd min, cmn xln cal, abund slicksides, hd, no vis por, no oil flu.

WTG = 1 unit

