

RATE OF PENETRATION				DEPTH (m) (TVD)	CUTTINGS LITHOLOGY	TOTAL GAS & CHROMATOGRAPH DATA						CUT FLUOR	DIRECT FLUOR	CALCIMETRY % CALCITE DOLOMITE	LITHOLOGICAL DESCRIPTIONS and REMARKS Depth (m) From: 2880 To: 3280 Scale 1:200 WEST TUNA W-21
metres/hour						C1 iC4 nC5	C2 nC4	C3 iC5 TG	500 10	5K 100					
500	50	5	.5												
				2880	?										
					?										
					?										
				2884	?										
					?										
					?										
					?										
				2888	?										
					?										
					?										
				(1337.8)	?										
				2892	?										
					?										
					?										
					?										
				2896	?										
					?										
					?										
					?										
					?										
				2900	?										
				(1341.2)	?										
					?										
					?										
				2904	?										
					?										
					?										
					?										
					?										
				2908	?										
					?										
					?										
					?										
				(1344.7)	?										
				2912	?										
					?										
					?										
					?										
				2916	?										
					?										
					?										
					?										
				2920	?										
				(1348.2)	?										
					?										
					?										
				2924	?										
					?										

69.83°inc
332.89°az

WOB:25 klbs
RPM:105
MM RPM:193
SPP:3130 psi
Flow:640 gpm

MW:10.3
FV:60
PV:23
YP:26
Gel:11/17
WL:4.8
pH:8.6
Cl:44k
KCl:27

CLAYSTONE:gn gy-med gy,lt gy i/p

mod calc,tr dissem pyr,frm,com

sft,sbblky-blky.

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332.89°az

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94 / 5 / 1

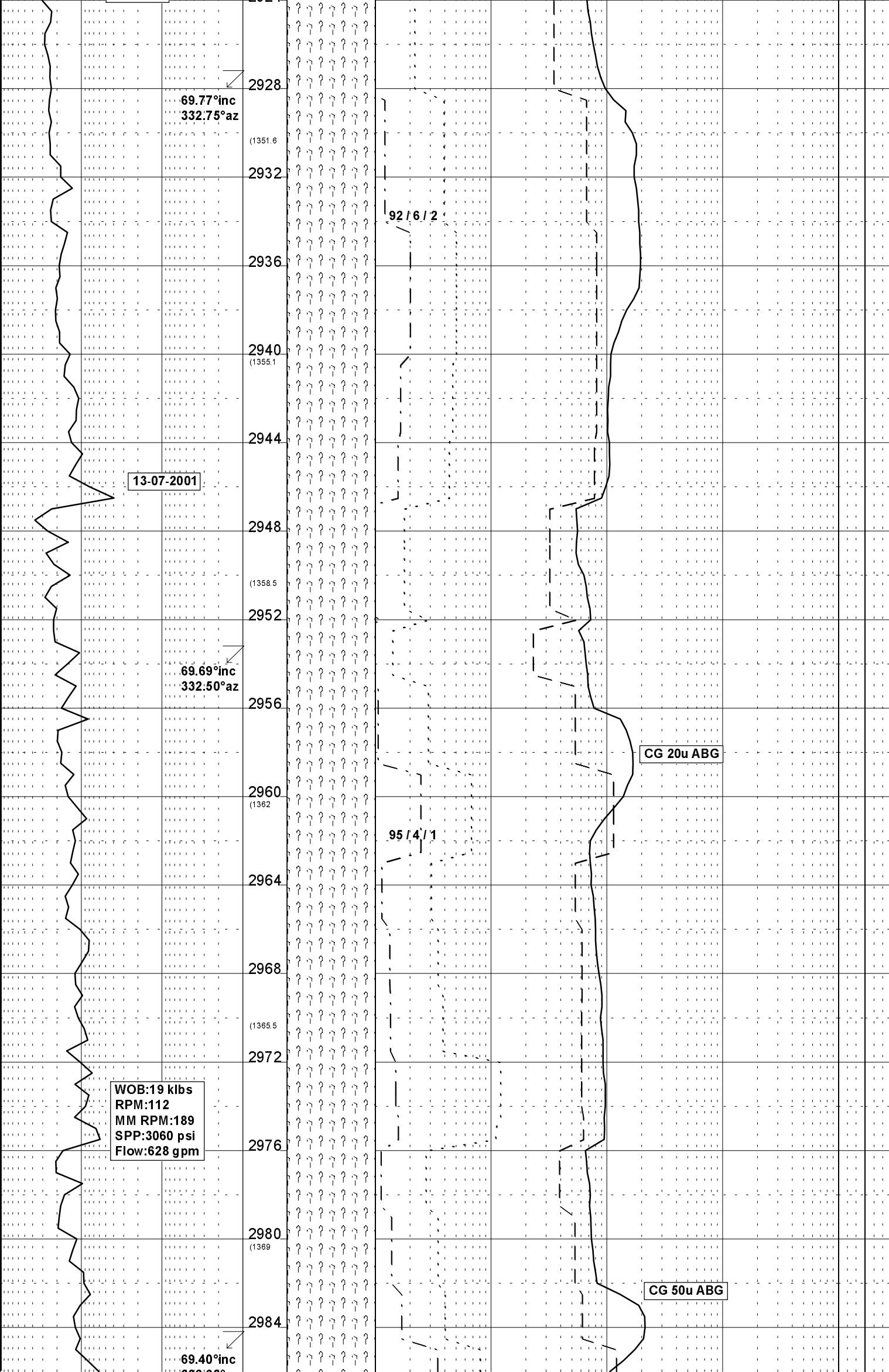
Depth (m) From: 2880 To: 3280
Scale 1:200
WEST TUNA W-21

CLAYSTONE:gn gy-med gy,lt gy i/p

mod calc,tr dissem pyr,frm,com

sft,sbblky-blky.

CLAYSTONE:lt gy-lt olv gy,gn gy-



med gy i/p,mod calc,tr micmic,

frm,com sft,sbblky,amorph i/p.

CLAYSTONE:lt olv gy,gn gy-olv gy

i/p,mod calc,sity i/p,rr micmic,

rr dissem pyr,tr micro carb spk,

frm,com sft,sbblky.

CLAYSTONE:lt gy-lt olv gy,lt bn

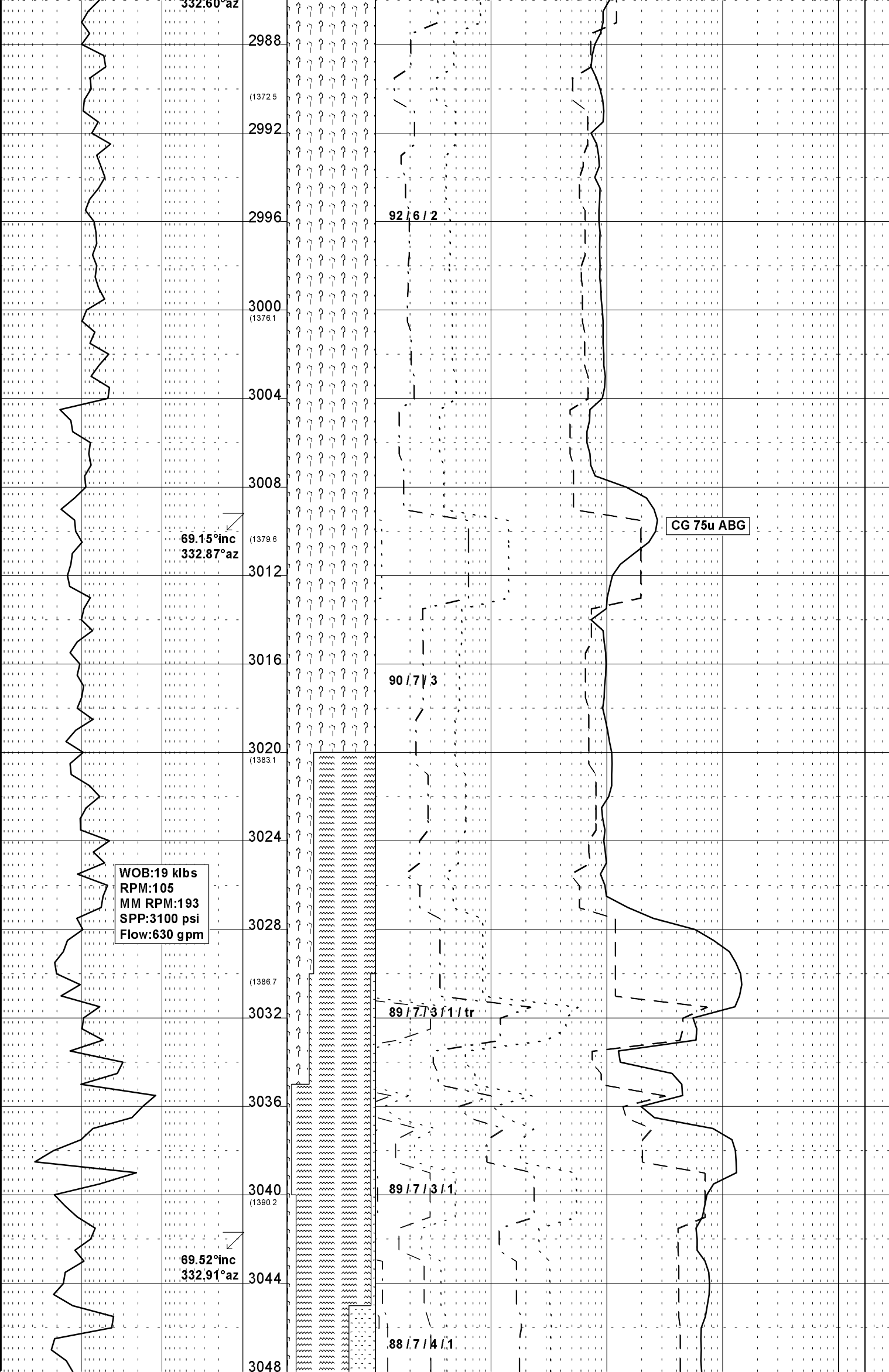
gy i/p,mnr sity i/p,rr dissem

pyr,tr dissem glauc,sft-frm,

sbblky-blky.

CLAYSTONE:lt bn gy-lt gy,occ med

gy,tr sity i/p,moc mnr glauc,rr



dissem pyr,rr foss frag,sft,occ

frm,sbbiky-blky.

No H2S or CO2 detected

CLAYSTONE:lt olv gy-lt bn gy,

med gy-gn gy i/p,mod calc,tr

sily,loc mnr dissem glauc,rr

dissem pyr,rr foss frag,sft,occ

frm,sbbiky.

SILTSTONE:lt bn gy,pl bn,occ dk

yel org,v arg,g/t CLST i/p,com

dissem glauc,tr dissem pyr,frm,

com sft,sbbiky-blky.

CLAYSTONE:dk yel org,g/t SLTST

i/p,mod calc,com lim stn,com

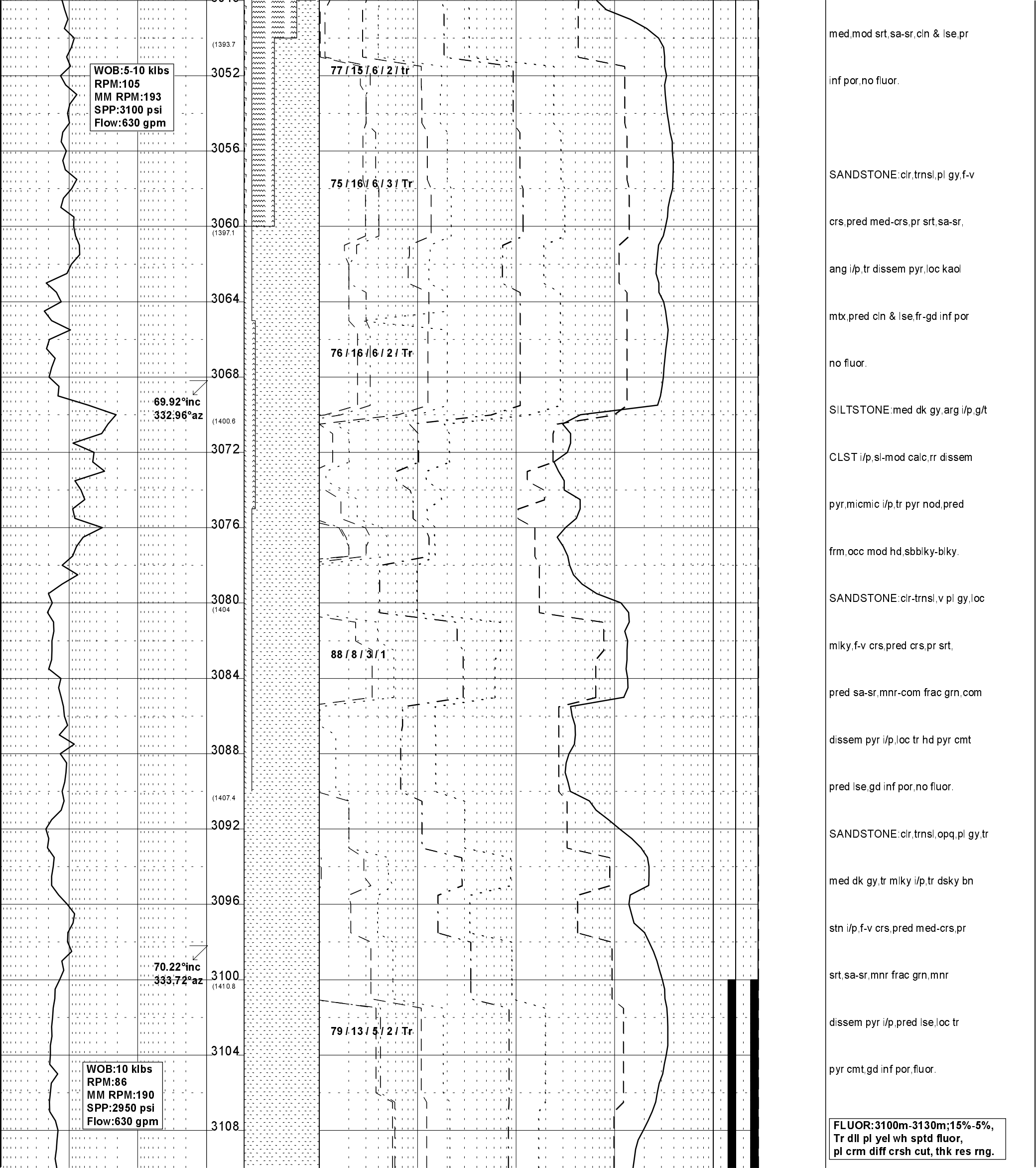
dissem glauc,occ glauc grn,v sft

amorph.

SILTSTONE:gy bn,dsky bn i/p,aren

g/t vf SST,mod hd,blky.

SANDSTONE:clr,trnsnl,opq,pred f-

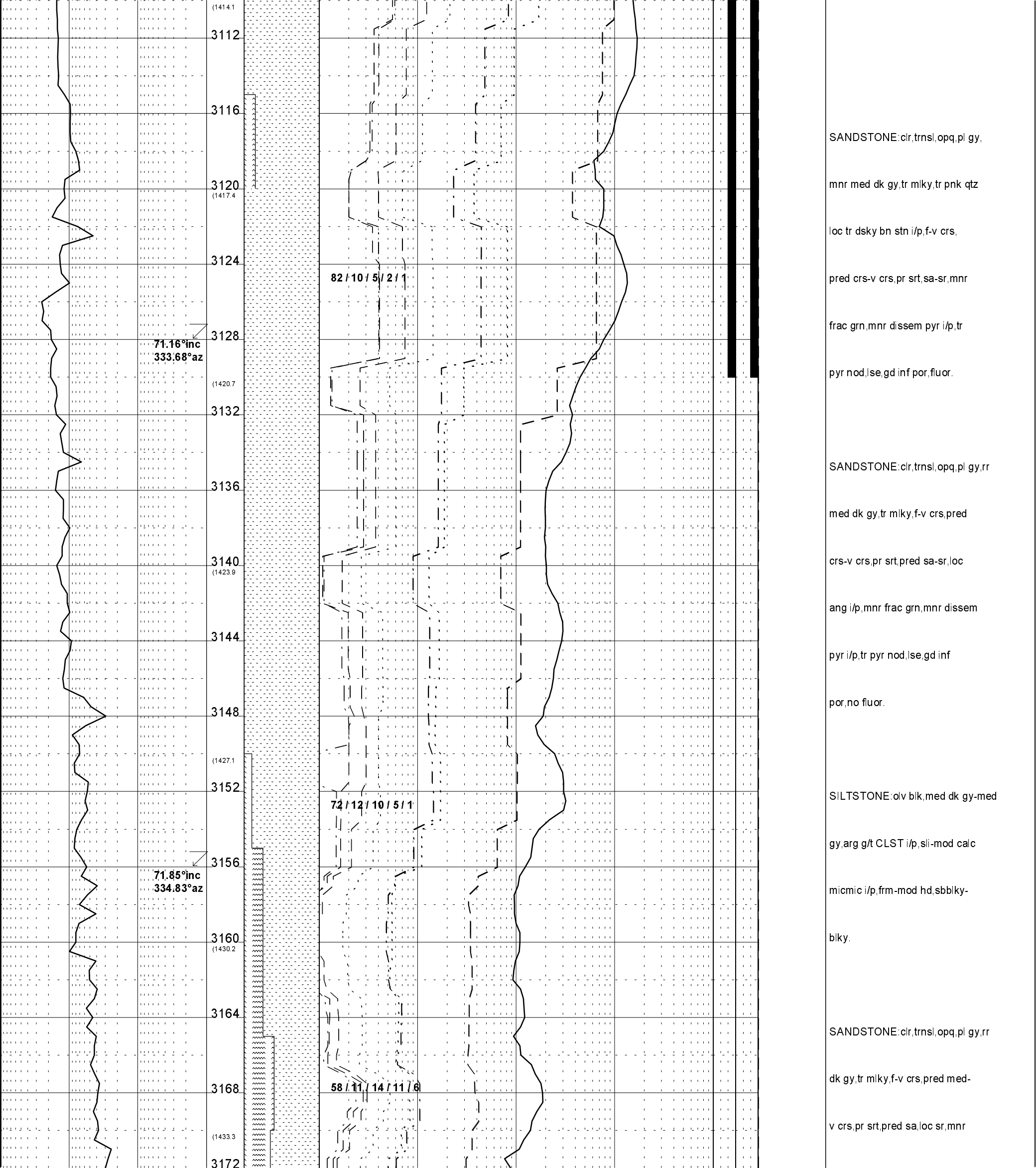


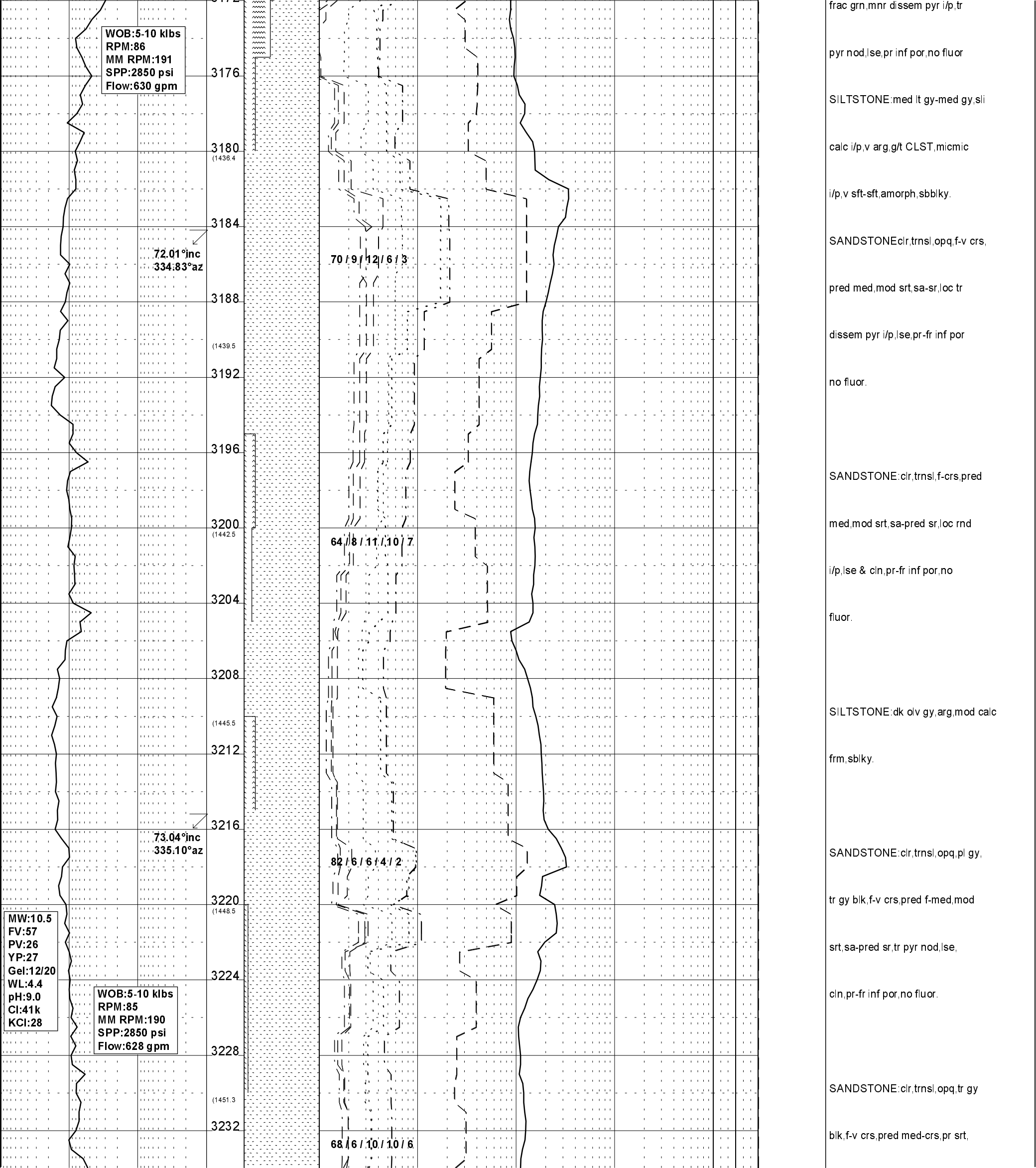
WOB: 5-10 klbs
RPM: 105
MM RPM: 193
SPP: 3100 psi
Flow: 630 gpm

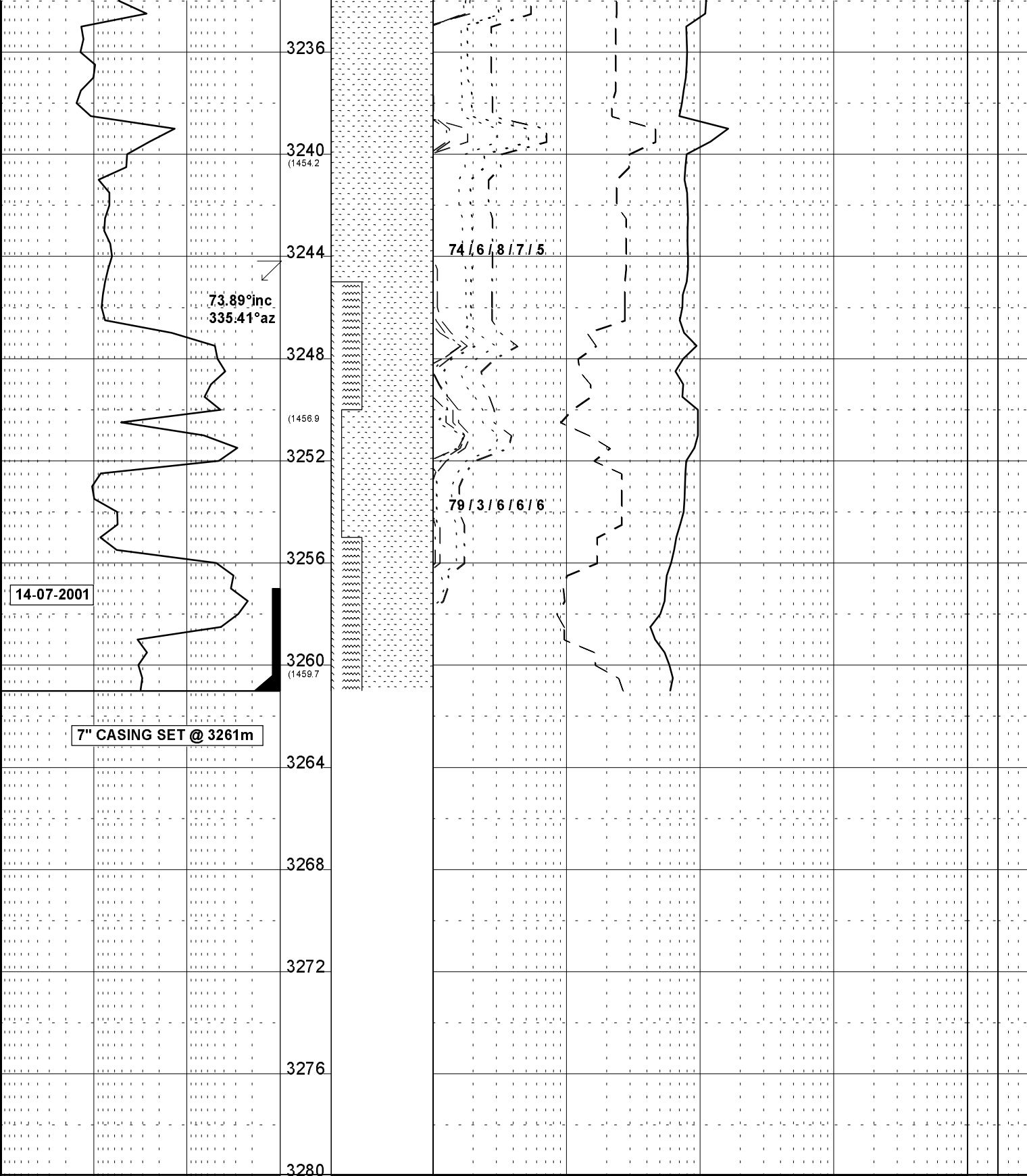
69.92° inc
332.96° az

WOB: 10 klbs
RPM: 86
MM RPM: 190
SPP: 2950 psi
Flow: 630 gpm

70.22° inc
333.72° az







pred sr-sa,loc rnd,tr pyr nod,tr

dissem pyr i/p,lse,pr-fr inf por

FLUOR:3230m-3255m;5%,
mod brt pnk wh sptd
flur,no cut.

SILTSTONE:olv gy-med gy,dk olv

i/p,arg,frm,sft i/p,sbblky,

sbfiss i/p.

SANDSTONE:(rock flour 10%),clr

trnsi,opq,rr mlky,f- v crs,pred

crs,pr srt,sa-sr,com rnd,tr

dissem pyr,cln & lse,pr-fr inf

por.

WEST TUNA W-21 TOTAL DEPTH
3261m MDRT (1460.0m TVD)
00:45 HRS ON 14-07-2001

SCHLUMBERGER ANADRILL
RUN #1: RAB & ADN
833m - 3261m