



MASTERLOG

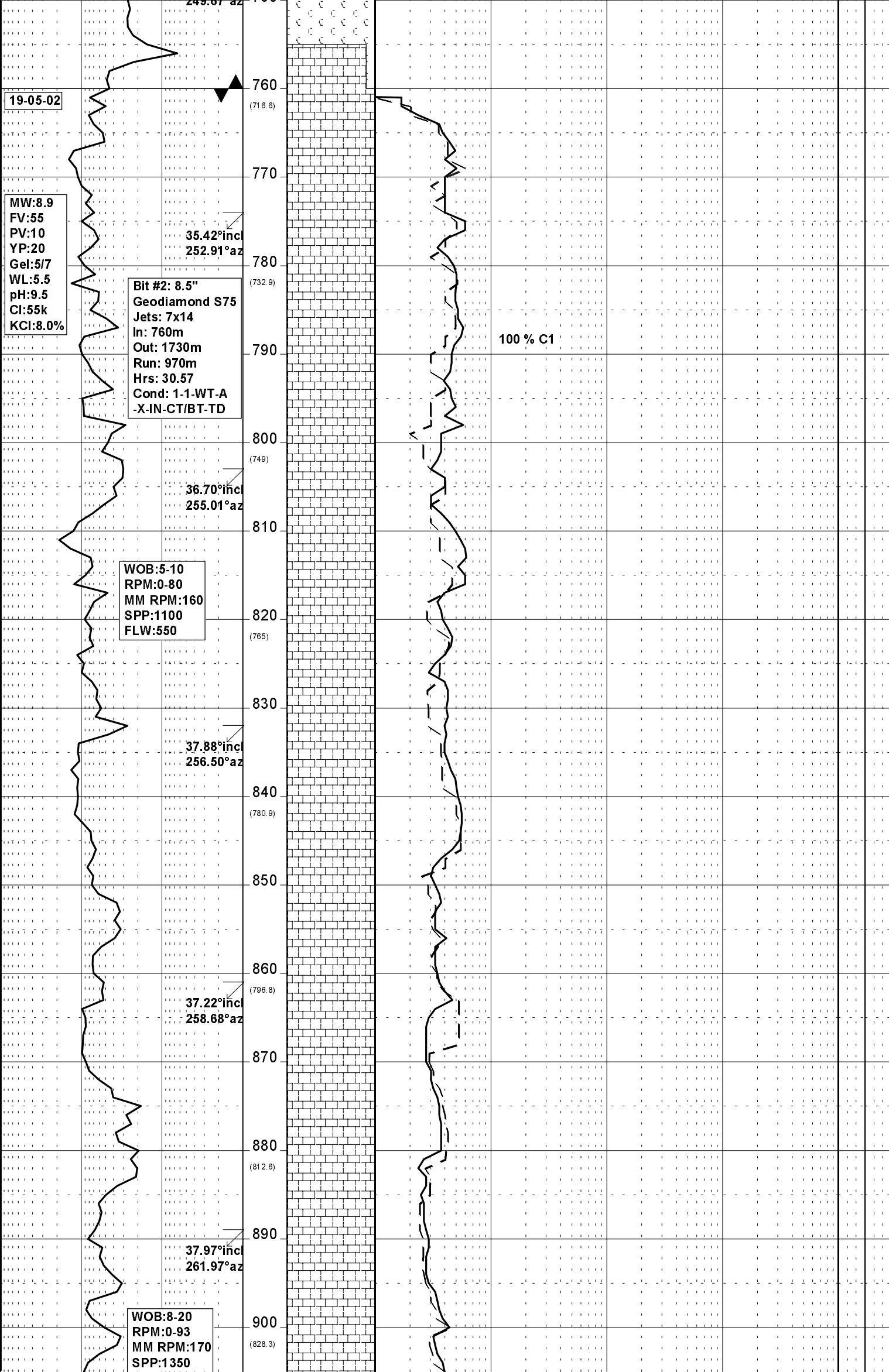
WEST TUNA W-38a



GENERAL	POSITION	HOLE / CASING INFO	DATE / DEPTH	ENGINEERS
Country : Australia Permit : VIC L4 Field : West Tuna Basin : Gippsland Well Type : Development Rig Name : NABORS 453	Local Co-ord X : 47.08 mE Local Co-ord Y : -3.61 mN AMG Co-ord X : 621,529.76 mE AMG Co-ord Y : 5,771,793.14 mN RT to MSL : 34.69 m RT to Sea Bed : 95.69 m	8-1/2" Hole to 1730 m 20" Conductor Shoe @ 166.8 m 10-3/4" Surface Casing @ 726.8 m 7" Production Liner @ 1718 m	Spud Date : 18-05-2002 Total Depth Date : 21-05-2002 Total Depth : 1730 m True Vertical Depth : 1472.5 m Log Scale : 1/ 500 Depth From (m): 700 To: 1750	Mark Smith Greg Fawns Phil Rady

ABBREVIATIONS	LITHOLOGY LEGEND	ENGINEERING LEGEND
MW Mud Weight FV Funnel Viscosity PV Plastic Viscosity YP Yield Point Gel Gel Strength WL Water Loss KCl Potassium Chloride Cl Chlorides Incl Inclination Az Azimuth WOB Weight on Bit (klbs) RPM Rotations Per Min FLW Flow Rate (gpm) SPP Pump Pressure (psi) RR Re-Run Bit TG Trip Gas CG Connection Gas BG Background Gas DGP Drilled Gas Peak MM Mud Motor	<div> CLAYSTONE</div> <div> SILTSTONE</div> <div> SST: F - V FINE</div> <div> SST: MEDIUM</div> <div> SST: COARSE</div> <div> SHALE</div> <div> MARL</div> <div> LIMESTONE</div> <div> DOLOMITE</div> <div> CHERT</div> <div> CONGLOMERATE</div> <div> COAL</div> <div> BRYOZOA</div> <div> RADIOLARITES</div> <div> ECHINIDS</div> <div> CORALS</div> <div> FORAMINIFERA</div> <div> LITHIC FRAGMENT</div> <div> CARB FRAGMENT</div> <div> QUARTZITE</div> <div> INTRUSIVES</div> <div> GLAUCONITE</div> <div> PYRITE</div> <div> CEMENT</div>	<div> CASING SHOE</div> <div> LINER HANGER</div> <div> BIT CHANGE</div> <div> DEVIA. SURVEY</div> <div> SWC UNRECOV</div> <div> SIDEWALL CORE</div> <div> WIRELINE LOGS</div> <div>MDT POINTS:</div> <div> PRESSURE ONLY</div> <div> SAMPLE</div> <div> SEAL FAILURE</div> <div> TIGHT</div> <div> CORE</div>

RATE OF PENETRATION				DEPTH (m) (TVD)	CUTTINGS LITHOLOGY	TOTAL GAS & CHROMATOGRAPH DATA					CUT FLUOR	DIRECT FLUOR	CALCIMETRY % CALCITE DOLOMITE	LITHOLOGICAL DESCRIPTIONS and REMARKS
metres/hour						%	C1 — — iC4 — — nC5 — —	C2 - - - - nC4 - - - -	C3 — - - iC5 — - - TG — — —	Total Gas in Units Chromatograph in Percent				
500	50	5	.5	700	0 100	.5 .01	5 .1	50 1	500 10	5K 100	good fair poor good fair poor good fair poor	0 100		
				710										
				720		WEST TUNA W-38a SPUDDED @ 17:15 HRS ON 18-05-2002								
				730		10-3/4" Surface Casing @ 726.8 metres							PIT @ 726m:12.5 ppg EMW	
Bit #1RR: 8.5" Hughes MX20D Jets: 3x20 In: 740m Out: 760m Run: 20m Hrs: 1.8 Cond: 1-2-WT-A-E/E-I-BHA-TD				740										
				750										

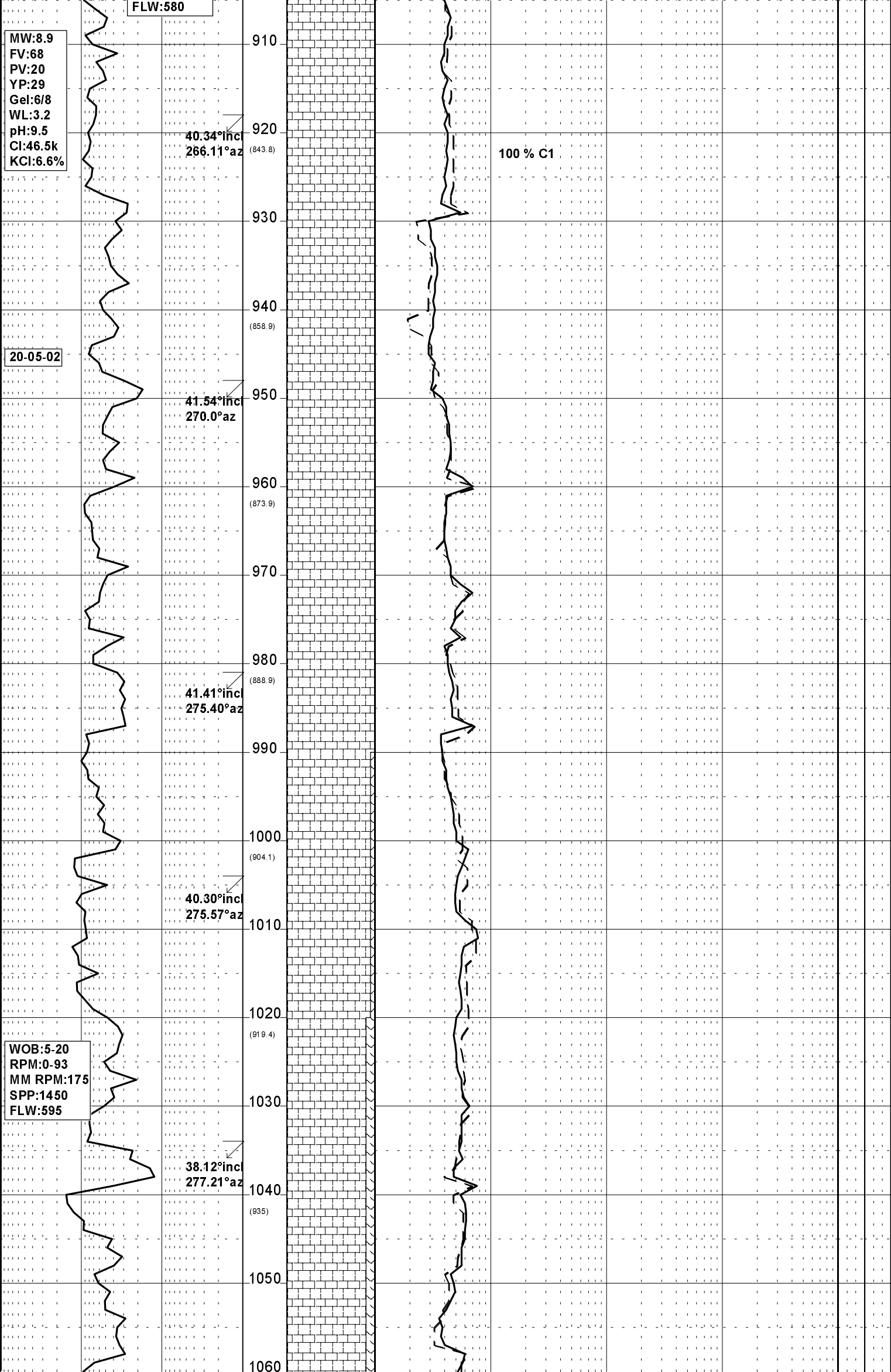


Drill with KCl/PHPA/
GLYCOL mud system

CALCULITE:lt olv gy-lt gy,lt
bn gy i/p,arg i/p,tr glauc,tr
lith,tr carb,occ foss,tr ooid,
sft,amor-sbbiky.

No H2S or CO2 Detected

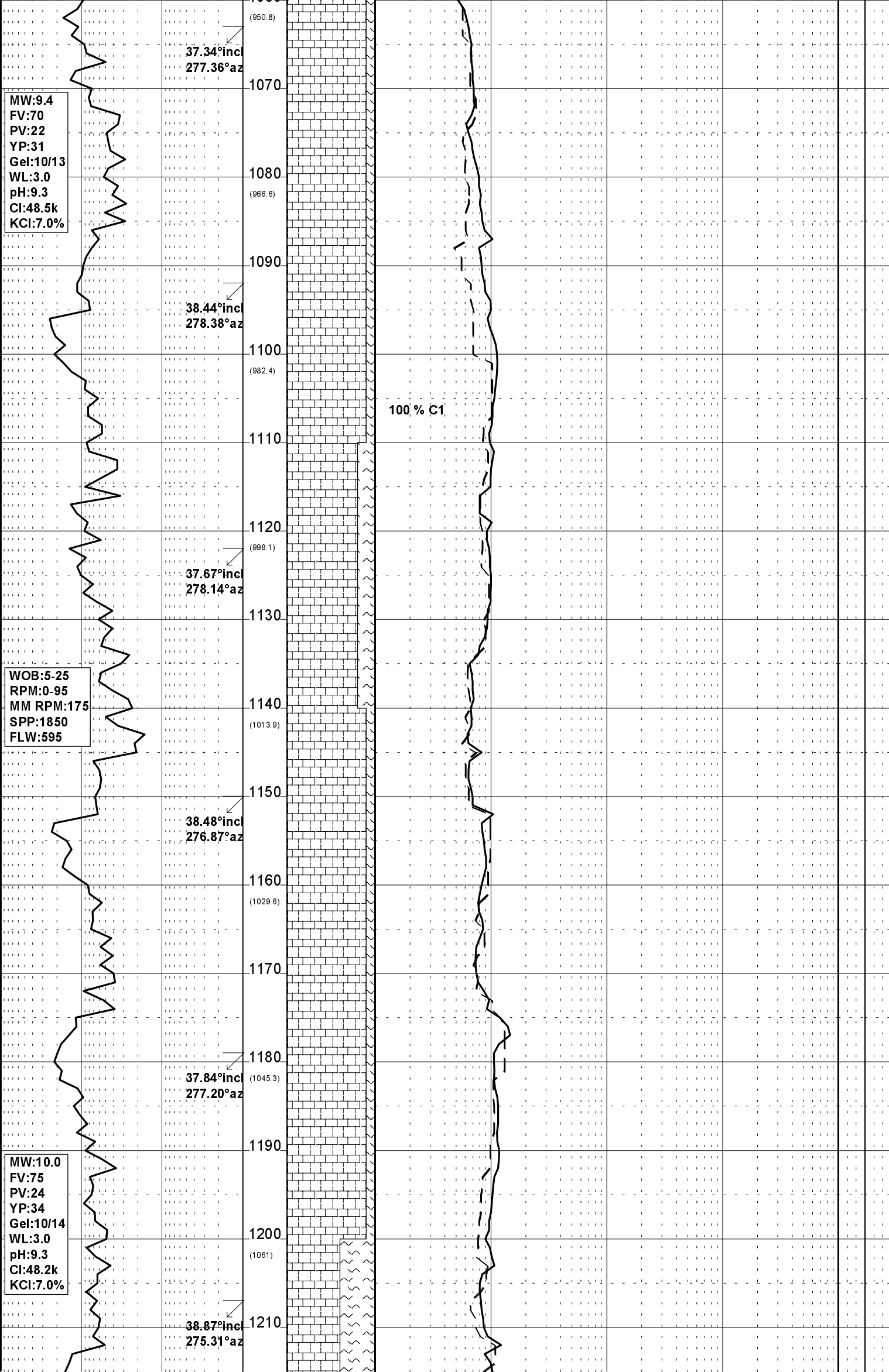
CALCULITE:v lt gy-lt olv gy,
lt bn gy i/p,sli stly,occ glauc
spk,tr foss,occ carb spk,sft,
amor-sbbiky.



CALCULUTITE:v lt gy-lt olv gy, tr
foss frags, tr carb spk, tr nod
pyr, v sft-disp, sft i/p, amor-i/p
sbbiky.

CALCULUTITE:v lt gy, tr slty, tr
carb spk, rr foss, rr dissem & nod
pyr, v sft-disp, occ frm i/p, amor-
sbbiky i/p.

No H2S or CO2 Detected

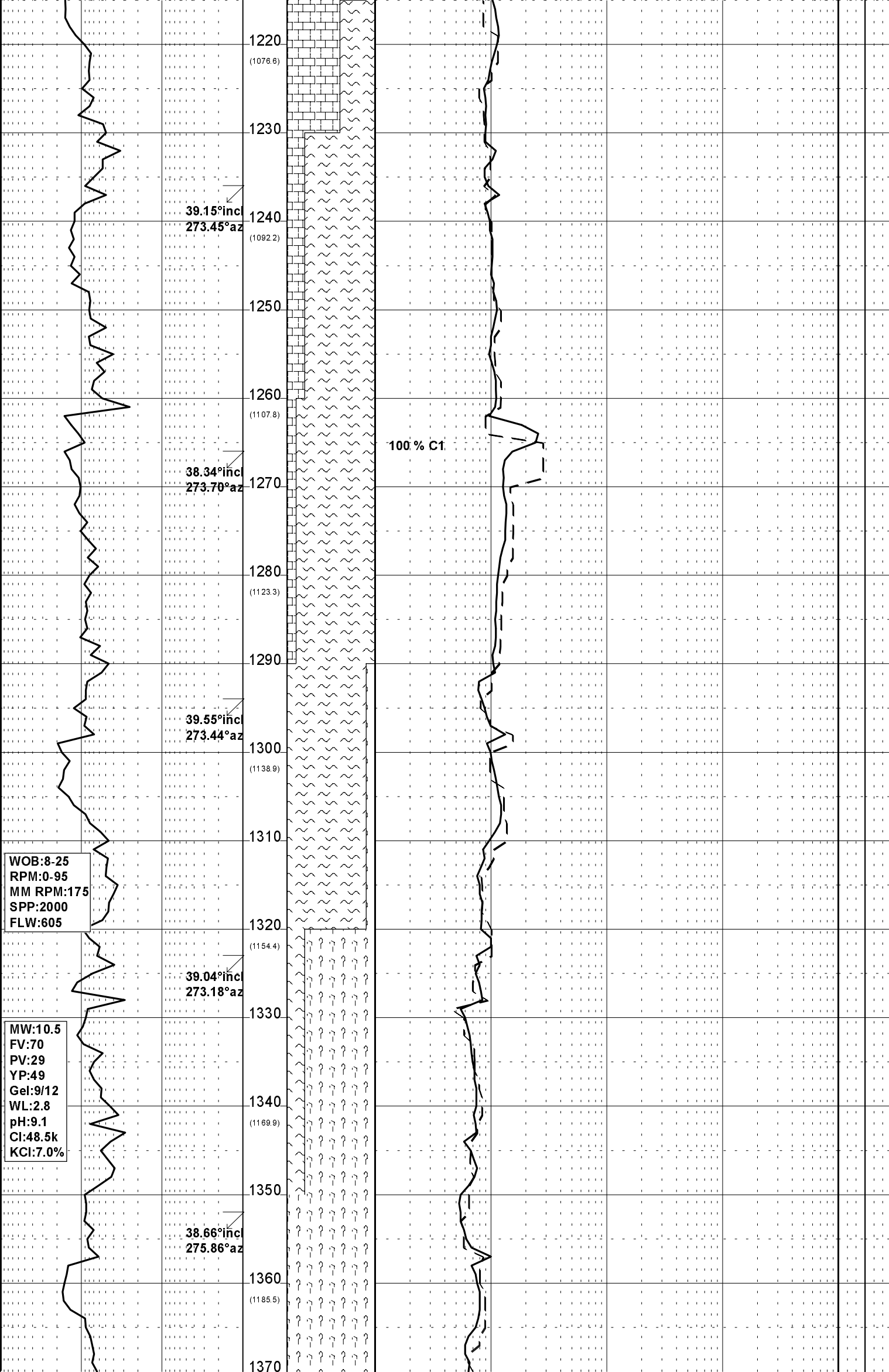


CALCILUTITE:v lt olv gy-m gy,rr
dissem pyr,tr carb spk,microfoss
pred disp,occ sft-frm,pred amor
sbbiky i/p.

MARL:pl-m gy,g/t CLCLT,mnr
dissem pyr,sli micmic,tr glauc
gr,sft-frm,sbbiky.

CALCILUTITE:v pl gy-pl olv gy,tr
dissem pyr,tr micmic,sft-disp,
amorph-sbbiky.

MARL:med gy-dk olv gy,mnr dissem
pyr,tr micmic,rr carb spk,tr
glauc gr,mnr microfoss,sft-frm,

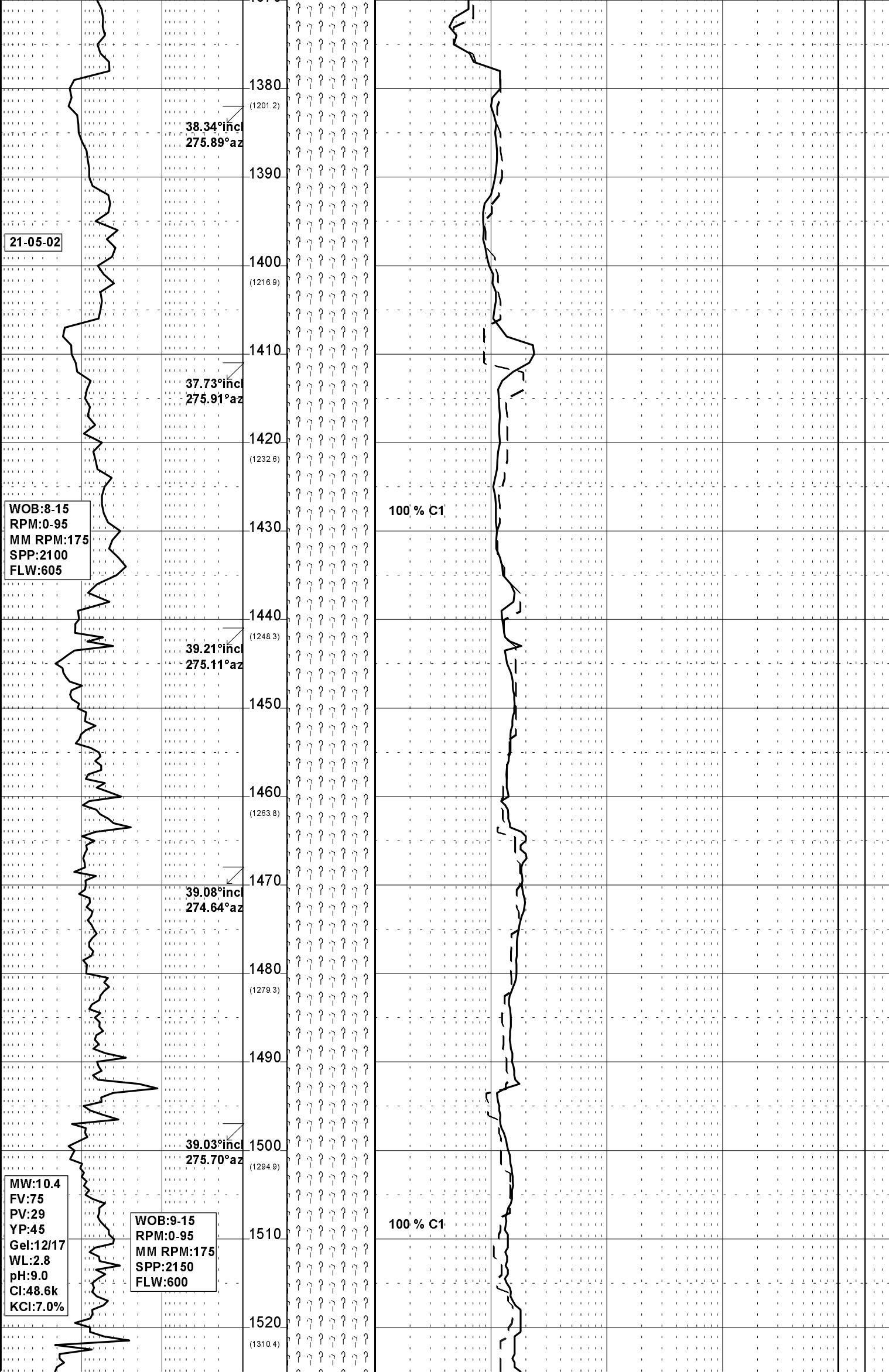


sbbiky.

MARL:pl olv gy-med dk gy,com
dissem pyr,tr nod pyr,tr glauc
gr,mnr sli micmic,sft-frm,sbbiky
-sbfiss.

No H2S or CO2 Detected

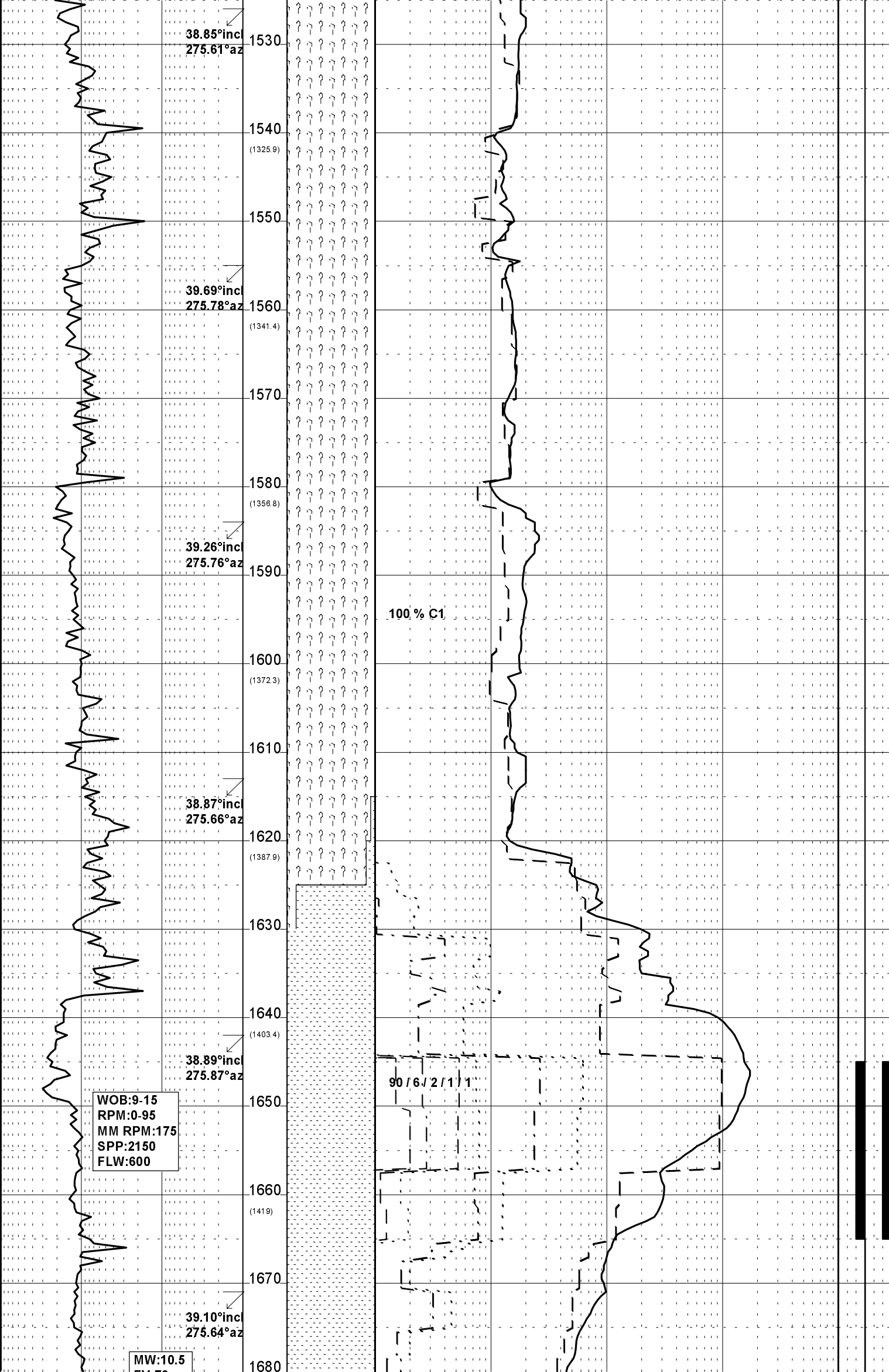
CLAYSTONE:lt gy-occ med gy,calc,
tr forams & ooids,tr carb & lith
spk,sft-disp, amor-sbbiky.



CLAYSTONE:lt gy-occ med gy,calc,
tr carb & lith spk,rr dissem pyr
sft-occ frm,sbbiky-blky,amor i/p

CLAYSTONE:lt gy-occ med gy,calc,
tr carb spk,rr dissem pyr,sft-
frm,sbbiky-blky.

CLAYSTONE:pl gy-pl olv gy,calc,
com microfoss,com calcite frag,
mnr-com dissem pyr,frm,sbbiky.



No H2S or CO2 Detected

ADDED BARACARB FROM 1572m TO TD @ 1730m

100 % C1

90 / 6 / 2 / 1 / 1

