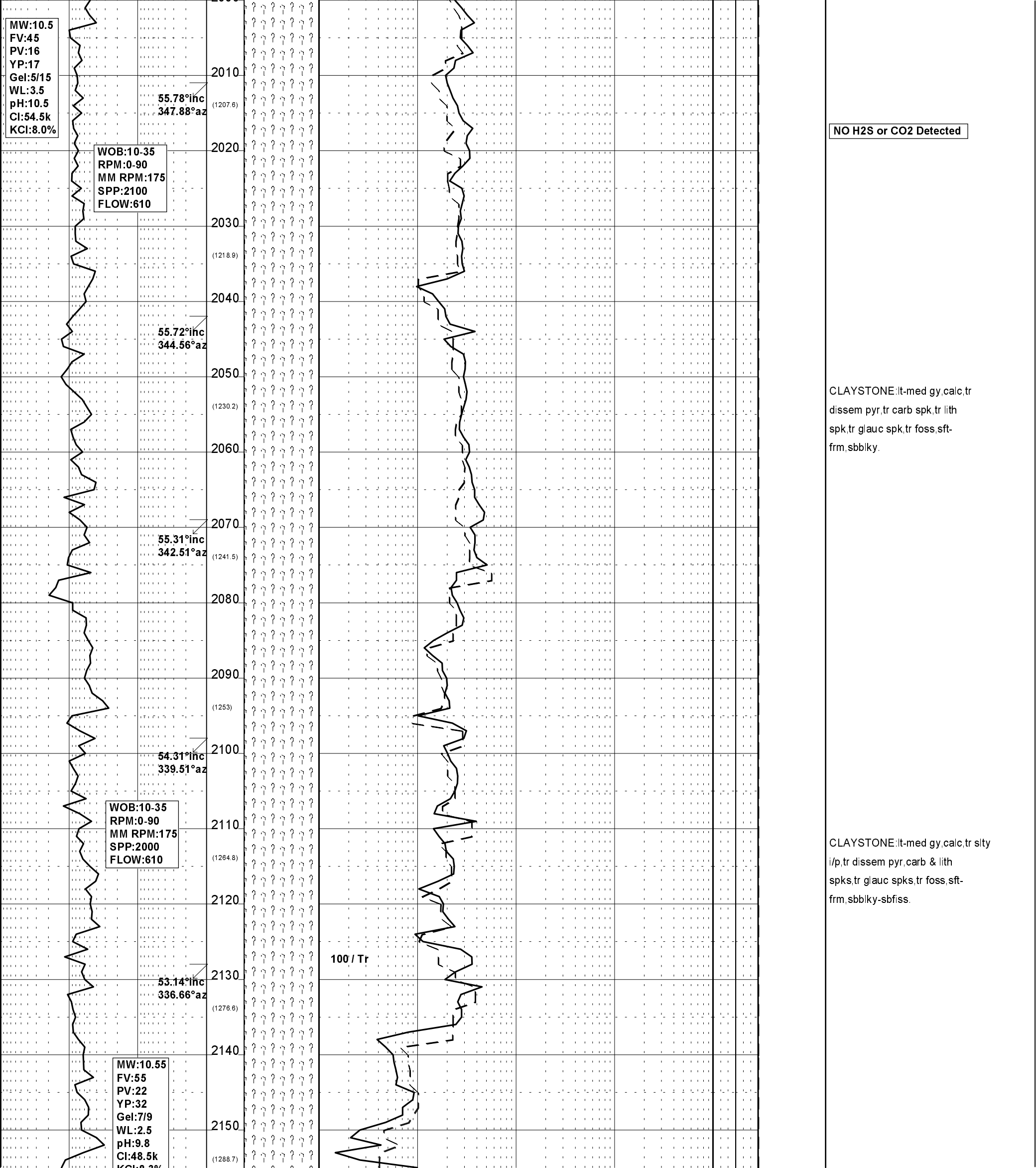
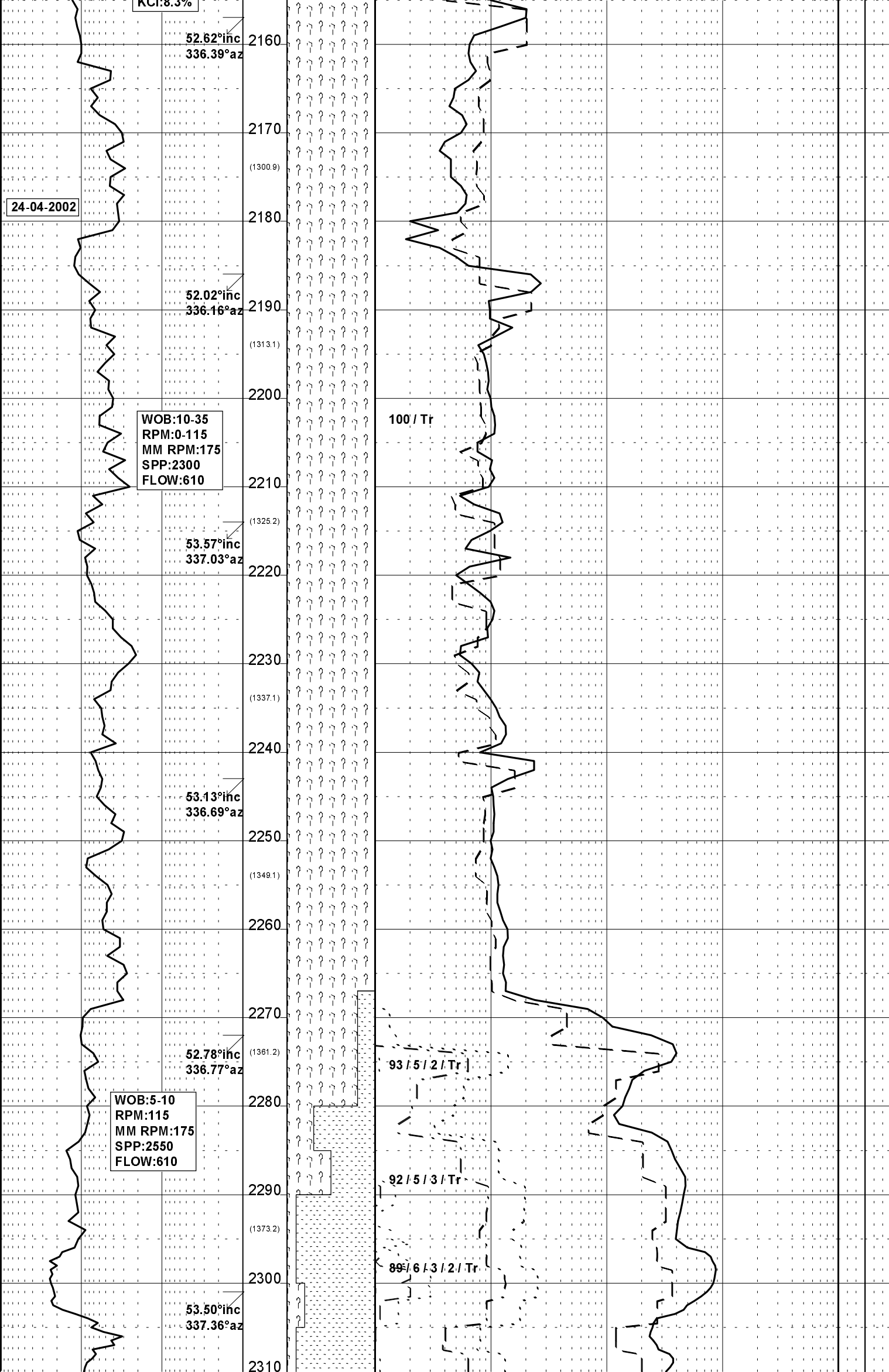
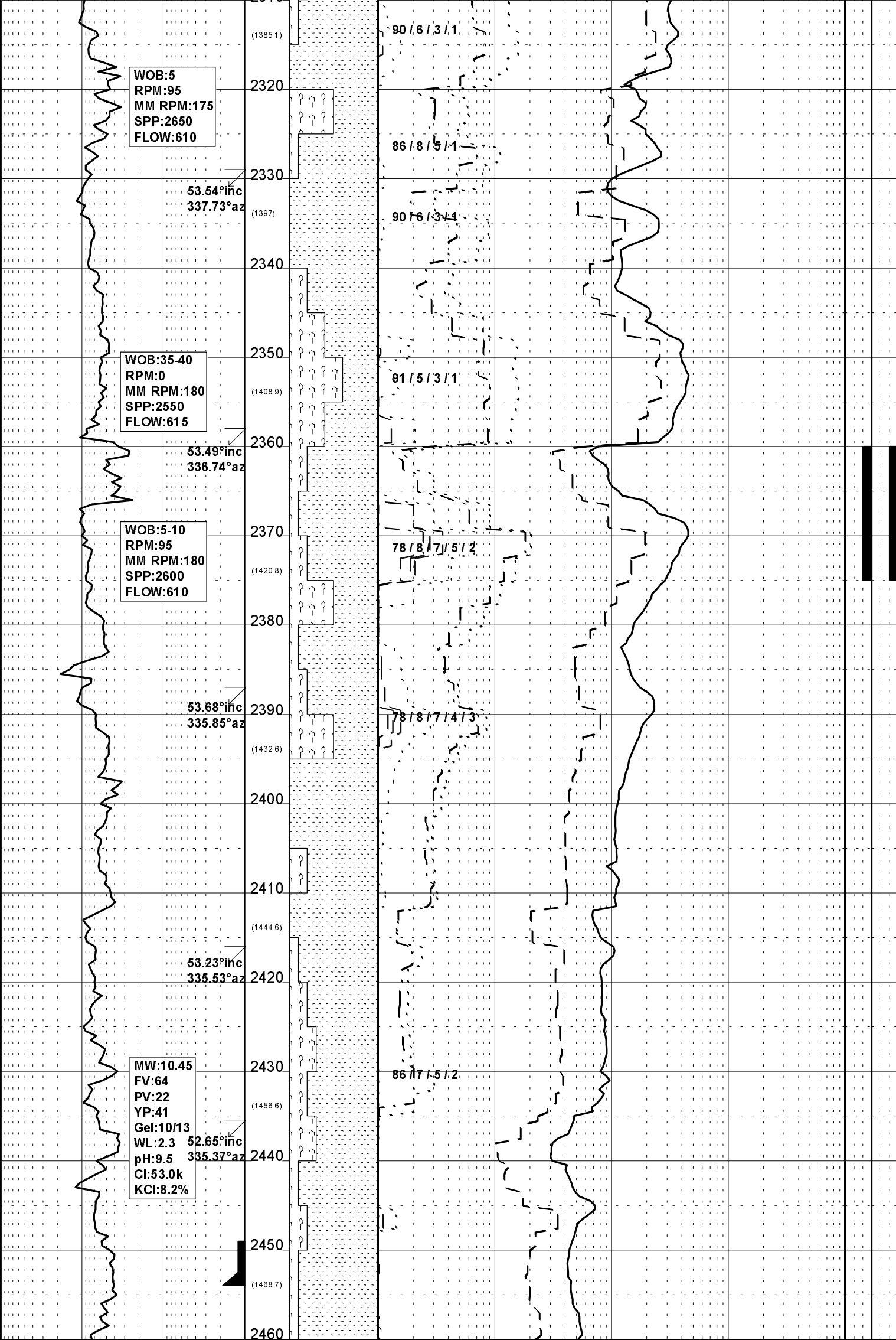




GENERAL			POSITION			HOLE / CASING INFO			DATE / DEPTH			ENGINEERS					
Country : AUSTRALIA Permit : VIC L4 Field : WEST TUNA Basin : GIPPSLAND Well Type : DEVELOPMENT Rig Name : NABORS 453			Local Co-ord X : 49.03 mE Local Co-ord Y : 0.670 mS AMG Co-ord X : 621,531.70 mE AMG Co-ord Y : 5,771,796.08 mN RT to MSL : 34.69 m RT to Sea Bed : 95.69 m			8-1/2" Hole to 2460 m 20" Conductor Shoe @ 155 m 13-3/8" Surface Casing @ 811 m 9-5/8" Whipstock @ 1958 m 7" Production Liner @ 2454 m			Spud Date : 23-04-2002 Total Depth Date : 24-04-2002 Total Depth : 2460 m True Vertical Depth : 1473.01 m Log Scale : 1/ 500 Depth From (m): 1950 To: 2480			Mark Smith Greg Fawns					
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><div></div>CLAYSTONE</div> <div><div></div>SILTSTONE</div> <div><div></div>SST: F - V FINE</div> <div><div></div>SST: MEDIUM</div> <div><div></div>SST: COARSE</div> <div><div></div>SHALE</div>		<div><div></div>MARL</div> <div><div></div>LIMESTONE</div> <div><div></div>DOLOMITE</div> <div><div></div>CHERT</div> <div><div></div>CONGLOMERATE</div> <div><div></div>COAL</div>		<div><div></div>BRYOZOA</div> <div><div></div>RADIOLARITES</div> <div><div></div>ECHINOIDS</div> <div><div></div>CORALS</div> <div><div></div>FORAMINIFERA</div> <div><div></div>LITHIC FRAGMENT</div>		<div><div></div>CARB FRAGMENT</div> <div><div></div>QUARTZITE</div> <div><div></div>INTRUSIVES</div> <div><div></div>GLAUCONITE</div> <div><div></div>PYRITE</div> <div><div></div>CEMENT</div>		<div><div></div>CASING SHOE</div> <div><div></div>LINER HANGER</div> <div><div></div>BIT CHANGE</div> <div><div></div>DEVIA. SURVEY</div> <div><div></div>SWC UNRECOV</div> <div><div></div>SIDEWALL CORE</div> <div><div></div>CORE</div>		<div><div></div>WIRELINE LOGS</div> <div>MDT POINTS:</div> <div><div></div>PRESSURE ONLY</div> <div><div></div>SAMPLE</div> <div><div></div>SEAL FAILURE</div> <div><div></div>TIGHT</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	0	100	.5	5	50	500	5K	100	0	100				
						.01	.1	1	10								
Bit #1RR: 8.5" Geodiamond S75 Jets: 7x14 In: 1972m Out: 2460m Run: 488m Hrs: 16.46 Cond: 2-3-WT/CT -A-X-IN-LT-TD		1950		WEST TUNA W-33a SPUDDED @ 13:15 HRS ON 23-04-2002													
		1960		9-5/8" Whipstock Set @ 1958 metres													
		1970															
		1980	(1191.9)											PIT: 402 psi @ 10.5 ppg = 12.5 ppg EMW			
		1990												Drill with KCl/PHPA/ GLYCOL mud system			
		2000	(1202.1)											CLAYSTONE:lt gy-occ med gy,lt bn gy,calc,tr dissem pyr,tr carb spk,tr foss frag,tr ooid,sft- frm,sbbiky-blky.			







SANDSTONE:clr-trnsl,opq,gy,crs-v
crs,pr srt,sa-sr,mnr pyr cmt,com
fract clasts,tr lt bn gy arg mtx
gd inf por,no fluor.

CLAYSTONE:lt bn gy-lt gy,bn gy,
sl slty,carb i/p,micmic i/p,
disp-sft,amor.

SANDSTONE:clr-trnsl,opq,med-crs,
dom med,mod srt,sa-dom sr,wk
sil cmt,tr pyr cmt,tr arg mtx,
dom cln & lse,fr-gd inf por.

FLUOR:2360-2375m;Tr, dim
evn grnsh/yel fluor, inst diff
crsh cut, mod bri thn film res.

CLAYSTONE:lt bn gy-lt bn,sl slty
com carb spk,micmic i/p,disp-
sft,amor.

SANDSTONE:clr-trnsl,opq,f-crs,
dom med,mod srt,com sa-sr,wk sil
cmt,loc pyr cmt,cln,lse,fr inf
por,no fluor.

CLAYSTONE:lt bn gy-lt bn,sl slty
carb spk i/p,micmic i/p,disp-
sft,amor.

SANDSTONE:clr-trnsl,opq,f-occ
crs,dom f-med,mod srt,sa-com sr,
wk sil cmt,occ pyr cmt,cln,lse,
fr inf por,no fluor.

7" Liner Set @ 2454 metres

