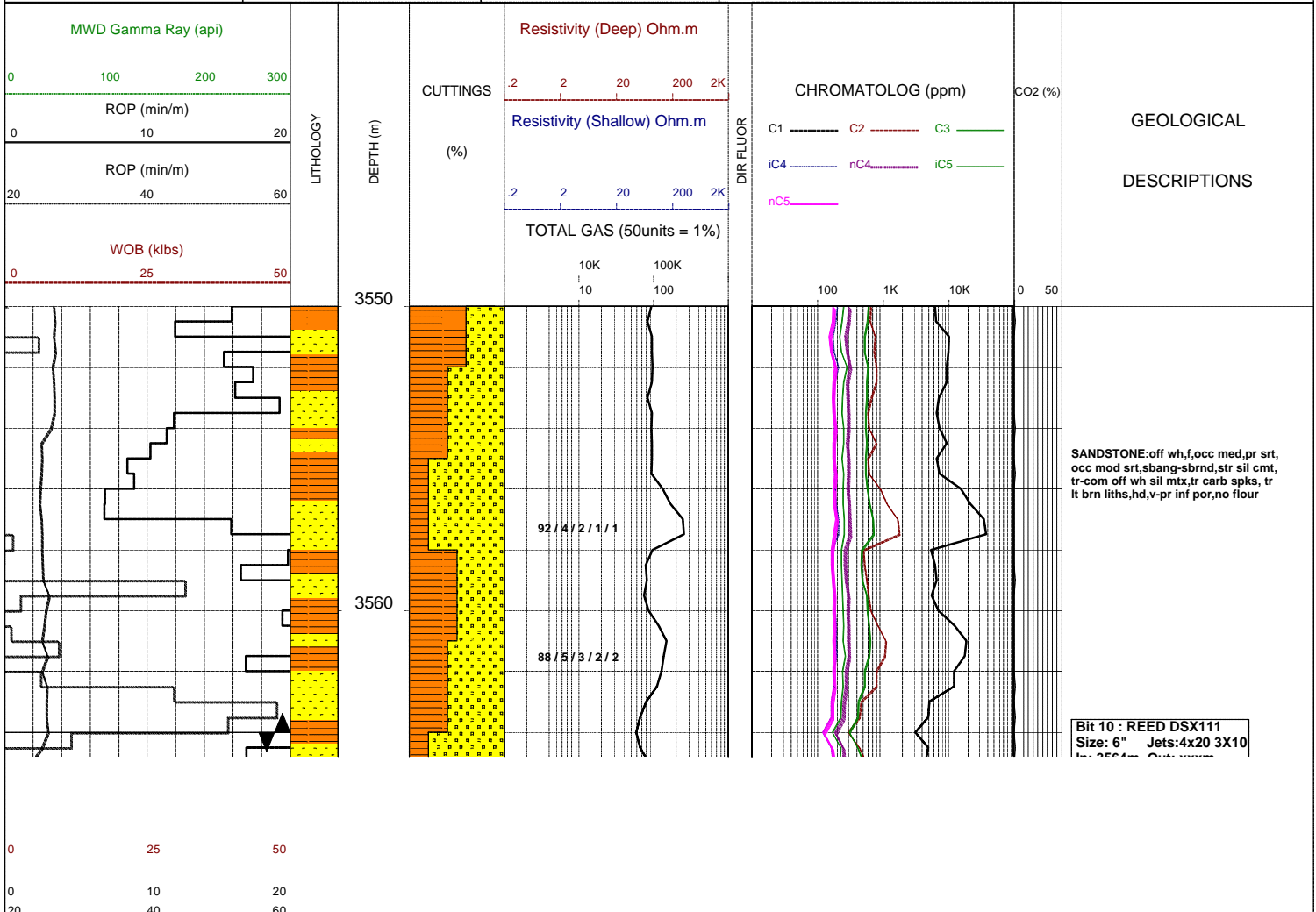


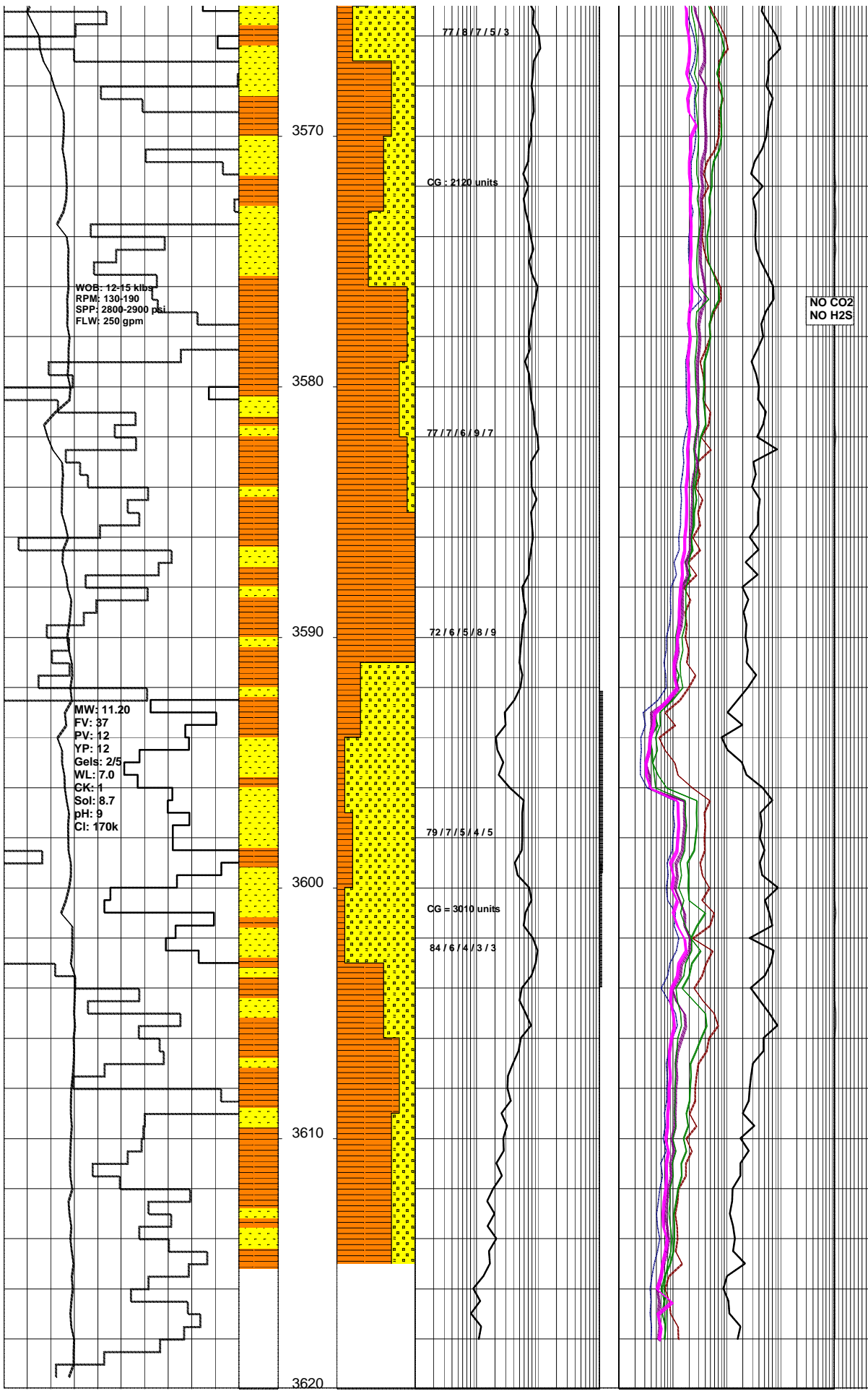
# GLENAIRE 1 ST1

Field : aaa	Kelly Bushing : PEP 160	Rig : ENSIGN 32	Open Hole:	Cased Hole:	Loggers : J.SUTTON
Block: bbb	Ground Level : STATUS	Spud Date : 08/09/2006	17.5" (12.25") 307m	13.375" (9.625") 303.5m	N.LUIS
State : VICTORIA	GRS80 Ellipsoid MGA94 Zone54 :	TD Date : XX/XX/2006	12.25" (8.5") 1255m	9.625" (7.0") 1252m	J.TRETHEWEY
Country : AUSTRALIA	Lat. : 37°34'47.03S	Total Depth : jjj	8.5" 3006m	7.0" 2999m	bbb
Scale : 1/ 200	Long. : 140°59'52.25E	Final Status : kkk	6.0" eee	hhhh iii	ccc

LITHOLOGY	ACCESSORIES	DRILLING DATA	ABBREVIATIONS																																				
<ul style="list-style-type: none"> <li> Conglomerate</li> <li> Coarse Sandstone</li> <li> Med Sandstone</li> <li> Calcareous Sst</li> <li> Silty Sandstone</li> <li> Siltstone</li> <li> Carb. Siltstone</li> <li> Calc. Siltstone</li> <li> Clay</li> <li> Limestone</li> <li> Dolomite</li> <li> Coal</li> <li> Anhydrite</li> <li> Gypsum</li> <li> Igneous</li> <li> Volcanic</li> <li> Metamorphic</li> <li> Cement</li> </ul>	<ul style="list-style-type: none"> <li> Pyrite</li> <li> Siderite</li> <li> Glauconite</li> <li> Feldspar</li> <li> Mica</li> <li> Ferrous</li> <li> Chert</li> <li> Calcareous</li> <li> Dolomitic</li> <li> Carbonaceous</li> <li> Lithoclast</li> <li> Breccia</li> <li> Foraminifera</li> <li> Corals</li> <li> Inoceramus</li> <li> Bryozoa</li> <li> Plant remains</li> <li> Fossils</li> </ul>	<ul style="list-style-type: none"> <li> Casing Shoe</li> <li> Bit Trip</li> <li> Wiper Trip</li> <li> Core</li> <li> DST</li> <li> Deviation Survey</li> </ul> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p style="text-align: center; margin: 0;"><b>MUD DATA</b></p> <p>MW - Mud Weight (lb/gal)</p> <p>FV - Funnel Viscosity (s/qt)</p> <p>PV - Plastic Viscosity (cps)</p> <p>YP - Yield Point (lb/100ftsq)</p> <p>Gel - Gel Strength (10sec)</p> <p>WL - Water Loss (cc/30min)</p> <p>pH - Acidity / Alkalinity</p> <p>Ck - Cake (32nd/inch)</p> <p>O/W/S - Oil / Water / Solids</p> <p>Cl - Chlorides (mg/L)</p> <p>K+ - Potassium (mg/L)</p> <p>Rmf - Res. Mud Filtrate (ohmm)</p> </div>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">BOPD - Barrels of Oil Per Day</td> <td style="width: 50%;">OG - Over Gauge</td> </tr> <tr> <td>BWPD - Barrels of Water Per Day</td> <td>OH - Open Hole</td> </tr> <tr> <td>CG - Connection Gas</td> <td>OTS - Oil To Surface</td> </tr> <tr> <td>CO - Circulate Out</td> <td>Q - Flow Rate</td> </tr> <tr> <td>COND - Condensate</td> <td>REC - Recovery</td> </tr> <tr> <td>c/c - Crush Cut</td> <td>FLUOR - Fluorescence</td> </tr> <tr> <td>DST - Drill Stem Test</td> <td>ROP - Rate Of Penetration</td> </tr> <tr> <td>FLOW - Flow Rate (gal/min)</td> <td>RPM - Revolutions Per Minute</td> </tr> <tr> <td>GCM - Gas Cut Mud</td> <td>RTSTM - Rate Too Small To Measure</td> </tr> <tr> <td>GCW - Gas Cut Water</td> <td>Rw - Resistivity water</td> </tr> <tr> <td>GTS - Gas To Surface</td> <td>r/r - Ring Residue</td> </tr> <tr> <td>INJ - Injection of Mist (bbls/hr)</td> <td>SCFM - Standard Cubic Ft/Min (air)</td> </tr> <tr> <td>LCM - Lost Circulation Material</td> <td>SGCM - Slightly Gas Cut Mud</td> </tr> <tr> <td>MMCFD - Million Cubic Feet / Day</td> <td>SPM - Strokes Per Minute</td> </tr> <tr> <td>NGTS - No Gas To Surface</td> <td>SPP - Stand Pipe Pressure</td> </tr> <tr> <td>NOTS - No Oil To Surface</td> <td>SWC - Side-Wall Core</td> </tr> <tr> <td>NFTS - No Flow To Surface</td> <td>TG - Trip Gas</td> </tr> <tr> <td>OCM - Oil Cut Mud</td> <td>WOB - Weight On Bit</td> </tr> </table>	BOPD - Barrels of Oil Per Day	OG - Over Gauge	BWPD - Barrels of Water Per Day	OH - Open Hole	CG - Connection Gas	OTS - Oil To Surface	CO - Circulate Out	Q - Flow Rate	COND - Condensate	REC - Recovery	c/c - Crush Cut	FLUOR - Fluorescence	DST - Drill Stem Test	ROP - Rate Of Penetration	FLOW - Flow Rate (gal/min)	RPM - Revolutions Per Minute	GCM - Gas Cut Mud	RTSTM - Rate Too Small To Measure	GCW - Gas Cut Water	Rw - Resistivity water	GTS - Gas To Surface	r/r - Ring Residue	INJ - Injection of Mist (bbls/hr)	SCFM - Standard Cubic Ft/Min (air)	LCM - Lost Circulation Material	SGCM - Slightly Gas Cut Mud	MMCFD - Million Cubic Feet / Day	SPM - Strokes Per Minute	NGTS - No Gas To Surface	SPP - Stand Pipe Pressure	NOTS - No Oil To Surface	SWC - Side-Wall Core	NFTS - No Flow To Surface	TG - Trip Gas	OCM - Oil Cut Mud	WOB - Weight On Bit
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In: 3564m Out: xxxm  
Run: xxxm Hrs: xxx hrs  
Cond: x-x-xx-x-x-x-xx-xx



NO CO2  
NO H2S

SILTY CLAYSTONE: dk gry, occ dk grn, arg, occ micmic, tr-com lt brn liths, tr-com carb spks, mod hd occ fm, sbfiss, occ sbbky.

SANDSTONE: oof wh, pl gry i/p, vf-f, mod wl srt, sbang, com mod strg sil cmt, abdt pl gry/off wh arg mtx, tr lt brn liths & carb spks, fri, rr lse grs, pr vis & inf por, no fluor.

SILTY CLAYSTONE: med-dk brn, dom med brn, occ lt gry, aren i/p, grd to SLTST, comm shale frag, tr liths, tr carb spks, mod hd, occ v hd, sbfiss.

KAOLINITIC SANDY CLAYSTONE: off wh, mod calc, comm-abdt vf-f qtz grns, tr blk coaly lams, frm, non fiss, v pr inf por.

KAOLINITIC SANDSTONE: off wh, mod calc, abdt vf-f qtz grns disp through wh kaol clay mtx, comm blk coaly, lams, mod hd, v pr intergranular flour.

FLOURESCENCE: THE KAOLINITE HAS 50% VERY DULL PATCHY MEDIUM OIL FLOUR, GIVING A WEAK DULL PALE YELLOW CRUSH CUT.

