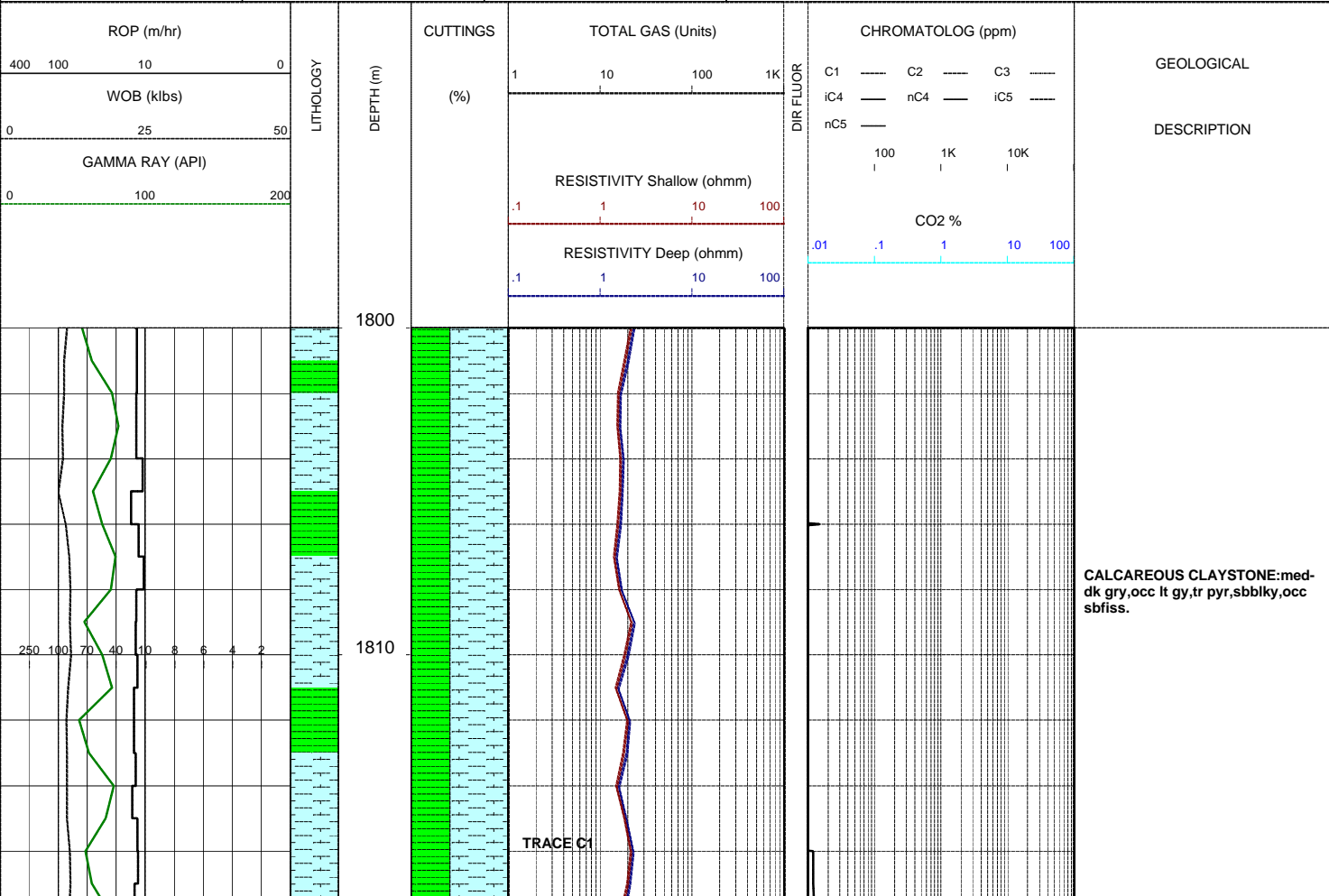
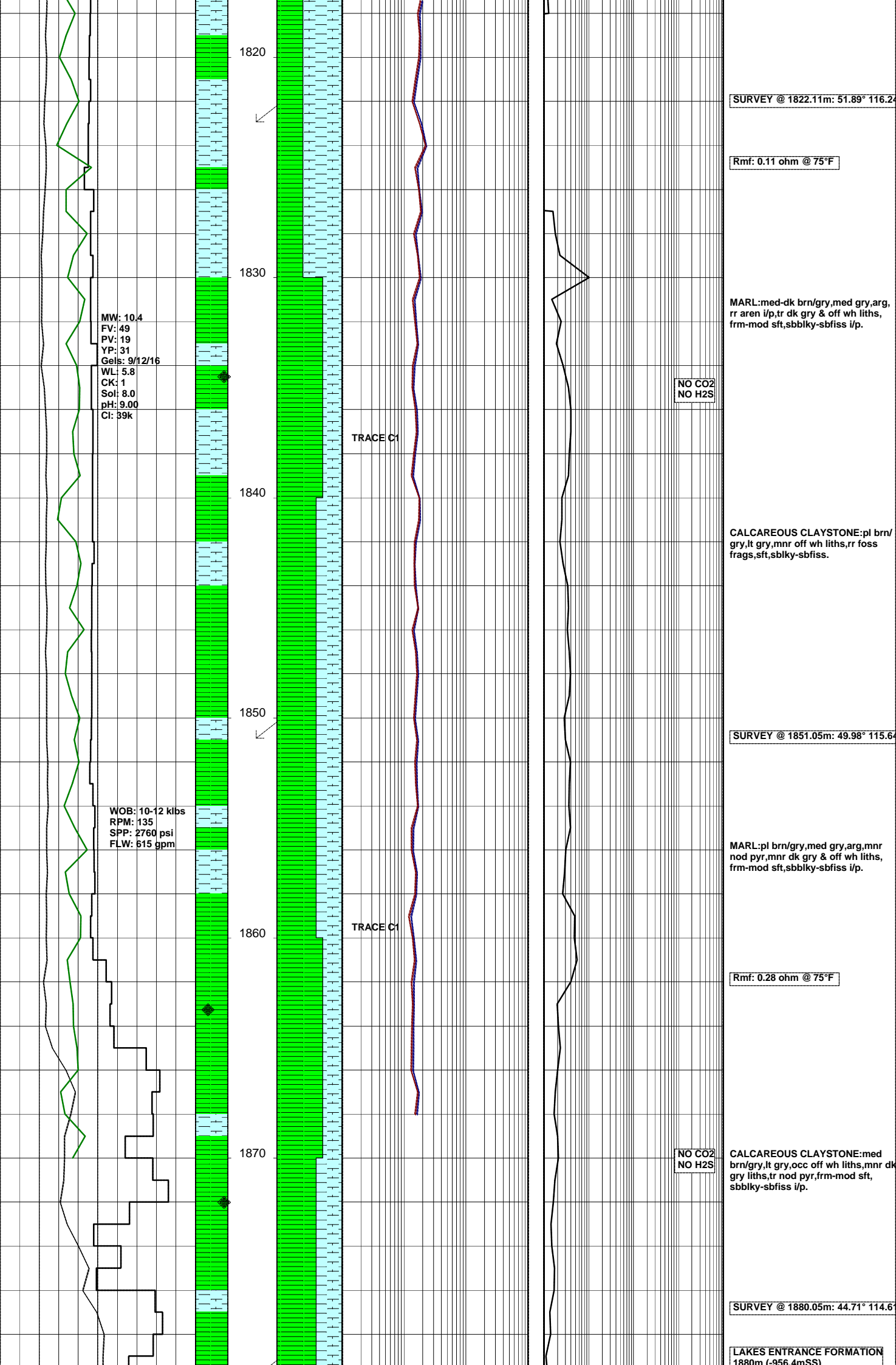


Field :	MSL - RT (m) :	Rig : ENSIGN 32	Open Hole:	Cased Hole:	Engineers :DAVID ADDERLEY
Permit: VIC P39V	Seabed - MSL (m) :	Spud date :			WEI YUAN
State : VICTORIA	Seabed - RT (m) :	TD date :			JAKE TRETHEWE
Country : AUSTRALIA	Lat. :	Total depth :			JOANNE SUTTON
Scale : 1/ 200	Long. :	Final status :			

LITHOLOGY	ACCESSORIES	DRILLING DATA	ABBREVIATIONS
<div><div>Conglomerate</div><div>Coarse Sandstone</div><div>Med Sandstone</div><div>Fine Sandstone</div><div>VF Sandstone</div><div>Siltstone</div><div>Carb. Siltstone</div><div>Calc. Siltstone</div><div>Clay</div><div>Limestone</div><div>Dolomite</div><div>Coal</div><div>Anhydrite</div><div>Gypsum</div><div>Igneous</div><div>Volcanic</div><div>Metamorphic</div><div>Cement</div></div>	<div><div>Pyrite</div><div>Siderite</div><div>Glauconite</div><div>Feldspar</div><div>Mica</div><div>Ferrous</div><div>Chert</div><div>Calcareous</div><div>Dolomitic</div><div>Carbonaceous</div><div>Lithoclast</div><div>Breccia</div><div>Foraminifera</div><div>Corals</div><div>Inoceramus</div><div>Bryozoa</div><div>Plant remains</div><div>Fossils</div></div>	<div><div>Casing Shoe</div><div>Bit Trip</div><div>Wiper Trip</div><div>Core</div><div>DST</div><div>Deviation Survey</div></div> <div><div>MUD DATA</div><div>MW - Mud Weight (lb/gal)</div><div>FV - Funnel Viscosity (s/qt)</div><div>PV - Plastic Viscosity (cps)</div><div>YP - Yield Point (lb/100ftsq)</div><div>Gel - Gel Strength (10sec)</div><div>WL - Water Loss (cc/30min)</div><div>pH - Acidity / Alkalinity</div><div>Ck - Cake (32nd/inch)</div><div>Sol - Solids (% vol)</div><div>Cl - Chlorides (mg/l)</div></div>	<div><div>BOPD - Barrels of Oil Per Day</div><div>BWPD - Barrels of Water Per Day</div><div>CG - Connection Gas</div><div>CO - Circulate Out</div><div>COND - Condensate</div><div>c/c - Crush Cut</div><div>DST - Drill Stem Test</div><div>FLOW - Flow Rate (gal/min)</div><div>GCM - Gas Cut Mud</div><div>GCW - Gas Cut Water</div><div>GTS - Gas To Surface</div><div>INJ - Injection of Mist (bbls/hr)</div><div>LCM - Lost Circulation Material</div><div>MMCFD- Million Cubic Feet / Day</div><div>NGTS - No Gas To Surface</div><div>NOTS - No Oil To Surface</div><div>NR - No Returns</div><div>OCM - Oil Cut Mud</div><div>OG - Over Gauge</div><div>OH - Open Hole</div><div>OTS - Oil To Surface</div><div>Q - Flow Rate</div><div>REC - Recovery</div><div>Rmf - Resistivity mud filtrate</div><div>ROP - Rate Of Penetration</div><div>RPM - Revolutions Per Minute</div><div>RTSTM - Rate Too Small To Measure</div><div>Rw - Resistivity water</div><div>r/r - ring residue</div><div>SCFM - Standard Cubic Ft/Min (air)</div><div>SGCM - Slightly Gas Cut Mud</div><div>SPM - Strokes Per Minute</div><div>SPP - Stand Pipe Pressure</div><div>SWC - Side-Wall Core</div><div>TG - Trip Gas</div><div>WOB - Weight On Bit</div></div>





SURVEY @ 1822.11m: 51.89° 116.2°

Rmf: 0.11 ohm @ 75°F

MARB: med-dk brn/gry, med gry, arg, rr aren i/p, tr dk gry & off wh liths, frm-mod sft, sbblky-sbfiss i/p.

NO CO2
NO H2S

CALCAREOUS CLAYSTONE: pl brn/ gry, lt gry, mnf off wh liths, rr foss frags, sft, sbblky-sbfiss.

SURVEY @ 1851.05m: 49.98° 115.6°

MARB: pl brn/gry, med gry, arg, mnf nod pyr, mnf dk gry & off wh liths, frm-mod sft, sbblky-sbfiss i/p.

Rmf: 0.28 ohm @ 75°F

NO CO2
NO H2S

CALCAREOUS CLAYSTONE: med brn/gry, lt gry, occ off wh liths, mnf dk gry liths, tr nod pyr, frm-mod sft, sbblky-sbfiss i/p.

SURVEY @ 1880.05m: 44.71° 114.6°

LAKES ENTRANCE FORMATION
1880m (-956.4mSS)

MW: 10.4
FV: 49
PV: 19
YP: 31
Gels: 9/12/16
WL: 5.8
CK: 1
Sol: 8.0
pH: 9.00
Cl: 39k

WOB: 10-12 klbs
RPM: 135
SPP: 2760 psi
FLW: 615 gpm

TRACE C1

TRACE C1

