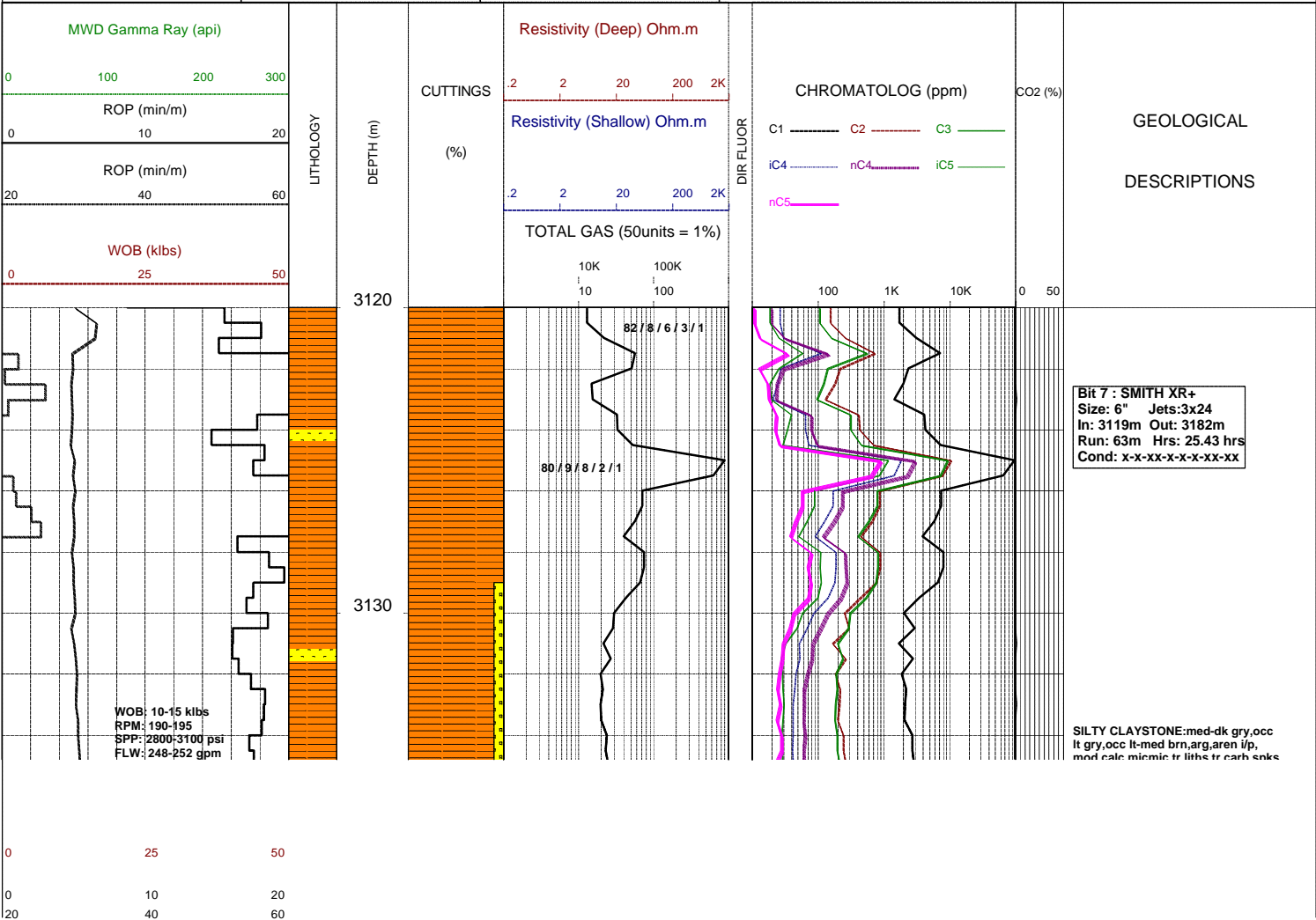
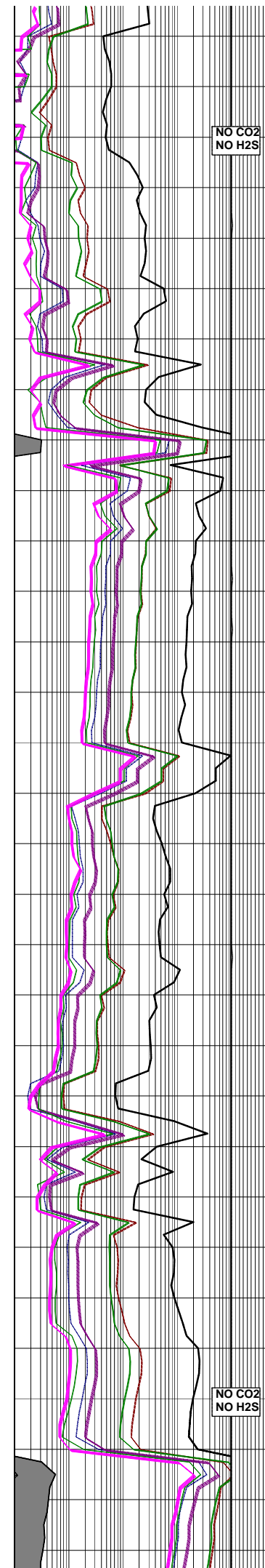
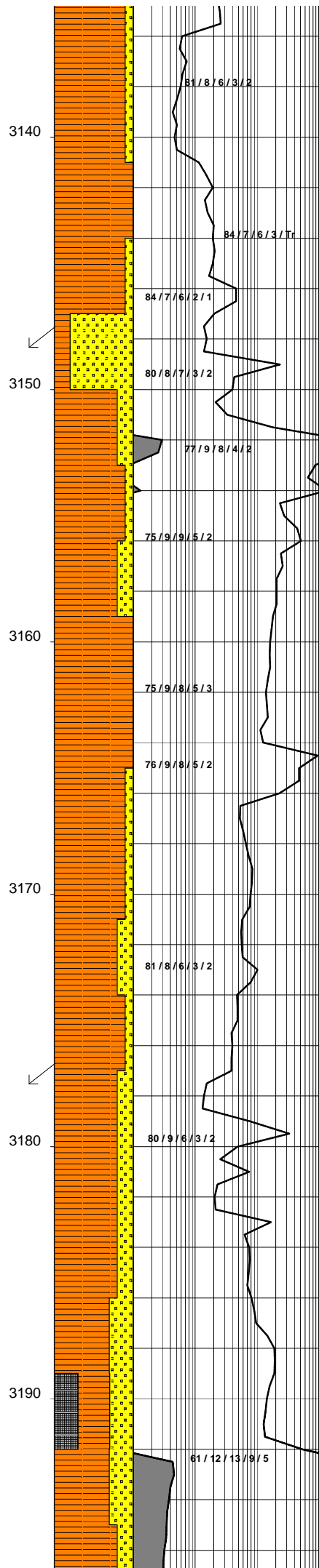
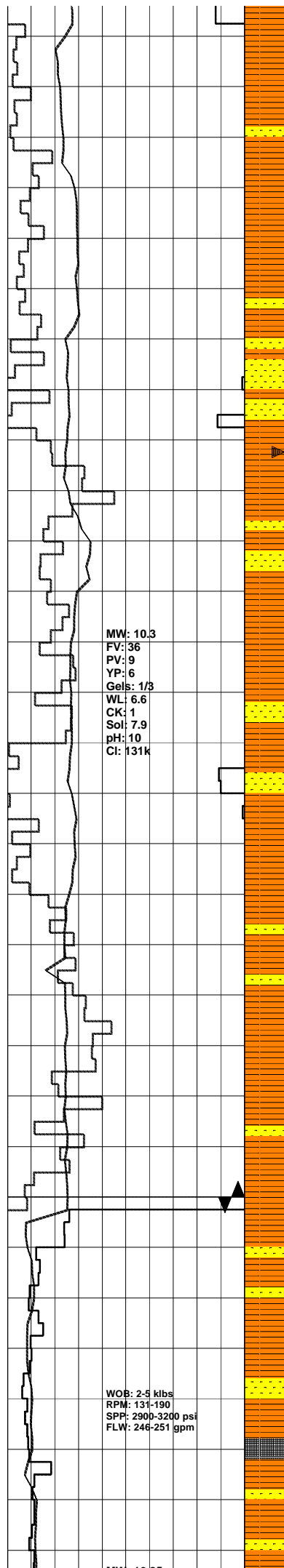


# GLENAIRE 1 ST1

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>	<p><b>ABBREVIATIONS</b></p> <table border="0" style="width: 100%;"> <tr> <td>BOPD - Barrels of Oil Per Day</td> <td>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
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																																						
		MUD DATA																																					
		<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>																																					





more significant than... sft-mod hd,sbbiky.

NO CO2  
NO H2S

SURVEY @ 3148.67m: 2.72° 152.371

SANDSTONE:lt-med gry,pl brn/gry, vf-f,wl srt,sbrnd,com strg calc cmt, mnr mod wk sil cmt,occ-mnr off wh arg mtx,com off wh,blk,grn,tn liths, mod hd-hd,ti-nil vis por,min fluor only.

COAL:(Tr)blk,sbvit-vit,brit,sbfiss, evn-ang.

SILTCLAYSTONEmed-dk gry,occ lt gry,occ lt-drk brn,arg,aren i/p,mod calc,micmic,tr liths,tr carb spks, sft-mod hd,sbbiky.

INFLUX OF OIL WHEN POOH @ 3182m,PROBABLY DUE TO SANDSTONES AND SMALL FRACTURES FROM 3149m TO TD RECEIVED 4154 UNITS OF GAS RIH TO WEIGHT UP TO 10.45 ppg

SURVEY @ 3177.31m: 3.53° 168.371

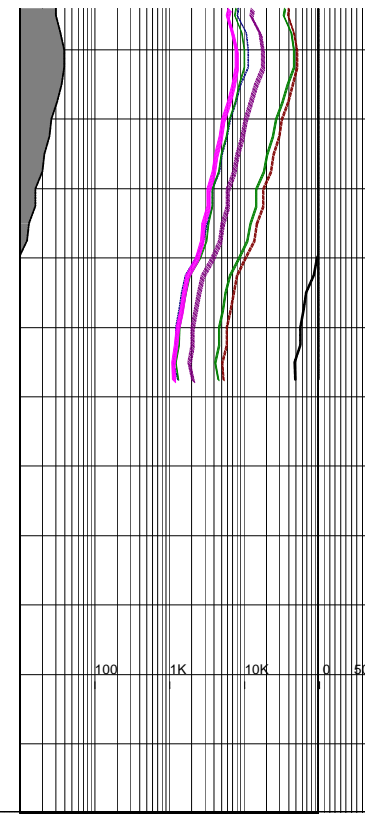
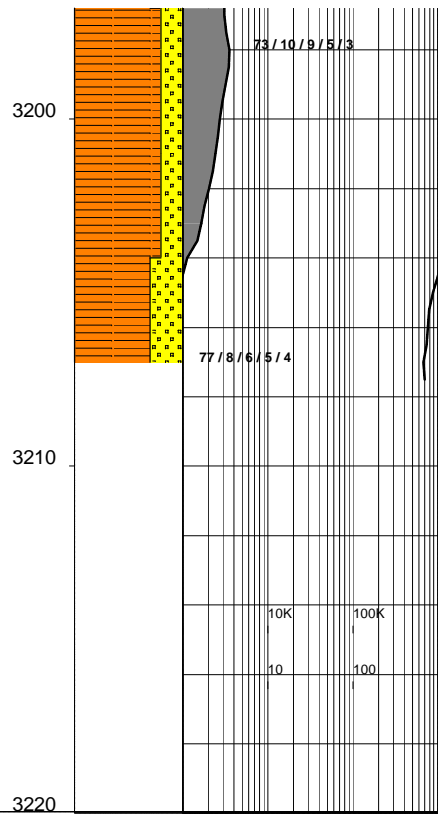
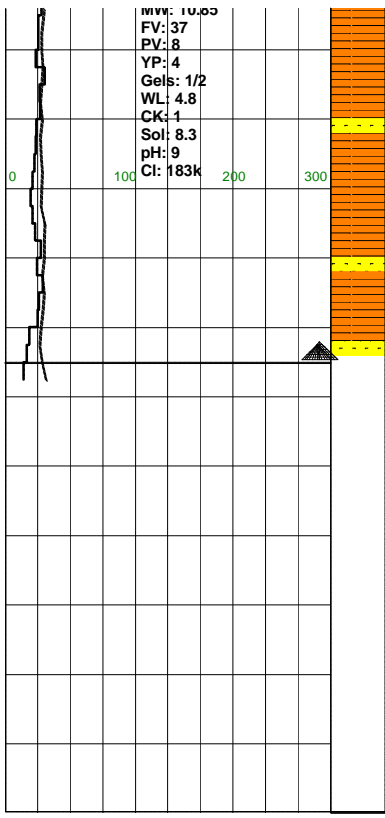
Bit 8 : HYCALOG DSX 516M-B1  
Size: 6" Jets:5x15  
In: 3182m Out: XXXXm  
Run: XXm Hrs: XX.X hrs  
Cond: x-x-xx-x-x-x-xx-xx

SILTY CLAYSTONE:med-dk gry,med brn,abdt alt feld i/p,tr carb spks, v carb i/p,comm micmic,hb,sbfiss.

NO CO2  
NO H2S

COAL:blk-v dk gry,v arg i/p,ea-sbvit,irregular/contous frac,hb, brit.

WELL BEGAN FLOWING OIL/GAS CUT MUD.THE CRUDE IS GREEN,WAXY (SOLIDIFIES AT SURFACE TEMP)AND IS ON THE HEAVIER END OF A LIGHT CRUDE.BRIGHT PALE GREENISH YELLOW WHITE FLOUR WITH MILKY WHITE CUT NO FLOUR OBSERVED IN THE SAND AND THE SAND VISUALLY HAD NO



DISCERNABLE INTER GRANULAR POROSITY.

SANDSTONE: off wh-lt brn, sily-f, dom v f, sbang-sbrnd, mod srt, strng sil & calc cmt, abdt arg mtx, abdt alt fld, tr grn, gry, brn, red, blk liths, tr qtz grns, te mica, tr carb det, hd, no vis por, no oil flour.

POOH TO REMOVE SALT SATURATION BLOCKAGE IN DRILL STRING

