ESSO AUSTRALIA RESOURCES PTY LTD.

WELL COMPLETION LOG Scale - 1:500 / 1:200

SCALLOP-1

Gippsland Basin, Victoria
Concession: VIC/RL2

POST-DRILL LOCATION: *(Top of Latrobe)*	Latitude: 38° 12' 48.615" S Longitude: 148° 35' 28.879" E GDA X: 639 314.95 East GDA Y: 5 769 298.84 North	**COMPILED BY:**	Andrew Hodgson / Sheryl Sezanis
		DRAFTED BY:	Andrew Hodgson
		DRILLED BY:	SEDCO 702
ELEVATION:	G.L.: -135.5m R.T.: 25.9m Water Depth: 109.6m	**TOTAL DEPTH:**	3174.0m MDRT Drillers 3177.5m MDRT Loggers
		PLUGGED BACK T.D.:	
DATES:	On location: 01/02/2003 Spudded: 02/02/2003 Reached TD: 22/02/2003 Rig Released: 04/03/2003	**CLASSIFICATION:**	Wildcat
		STATUS:	Gas and Oil Discovery Well

SERVICE COMPANIES:

DRILLING CONTRACTOR:	Transocean - Sedco Forex International Inc	PRODUCTION TESTING:	----
LWD/MWD:	Schlumberger Anadrill	DIVERS:	Sonsub
GYRO SURVEYING:	SDI / Anderdrift	MUD LOGGING:	Baker Hughes Inteq
CORING:	----	PRESSURE RECORDING:	----
WIRELINE LOGGING:	Schlumberger Wireline	WELL VELOCITY SURVEY:	Schlumberger
CEMENTING:	Schlumberger Dowel / Halliburton	MUD ENGINEERING:	Baroid
CASING:	Weatherford	LINER:	----

LEGEND

2.7m NOS
Ø = 17%
Sw = 32%

LOG ANALYSIS DATA
NS - Net Sand
NOS - Net Oil Sand
NGS - Net Gas Sand
Sw - Water Saturation

No Rec.
CORE
Rec.

MUD DATA
Ø - Porosity
Snd - Sand
MW - Mud Weight
FV - Funnel Velocity
PV - Plastic Velocity
YP - Yield Point
Gel - Gel Strength
pH - Acidity/Alkalinity
WL - Water Loss
Cl - Chloride
Ca - Calcium
Sol - Solids
H2O - Water
Oil -Oil

PERFORATED INTERVAL

PLUG

◄SST RECOVERED SIDE WALL CORE LITHOLOGY
SST - Sandstone
SLST - Siltstone
MST – Mudstone
SH - Shale
CLST - Claystone
LMST - Limestone
ML - Marl
COAL - Coal

SIDE WALL CORE - NO RECOVERY

◄SST RECOVERED MSCT

MSCT – NO RECOVERY

FIT

◄P2/11 MDT PRETEST SUITE/RUN/SEAT NUMBER

◄S11/2 MDT SAMPLE SUITE/RUN/SAMPLE NUMBER

P2/40 MDT VERTICAL/HORIZONTAL PERMEABILITY TEST

PACKER

BRIDGE PLUG

SHOW OR STAIN
HYDROCARBON CUT
FLUORESCENCE
GAS SHOW
OIL PRODUCTION
GAS PRODUCTION
INTERPRETED OIL PRODUCTION
INTERPRETED GAS PRODUCTION
INTERPRETED WATER PRODUCTION
WATER PRODUCTION
CONDENSATE PRODUCTION
INTEPRETED CONDENSATE BEARING
DST WITH GAS RECOVERED
DST WITH OIL RECOVERED
SURVEY POINT
13-3/8" CASING SHOE
MUD

LITHOLOGICAL SYMBOLS

Sandstone
Siltstone
Mudstone
Claystone
Shale
Coal
Limestone
Micritic Limestone
Grain Limestone
Skeletal Limestone
Dolomite
Marl
Anhydrite
Volcanics
Basement
Granule
Oolites
Dolomitic
Pyrite
Mica
Chert
Carbonaceous Matter
Calcareous
Glauconite
Corals
Bryozoans
Brachiopods
Gastropods
Cephalopods
Pelecypods
Echinoids
Fish Remains
Plant Remains
Spores
Leaves
Foram
Fossils

LOGGING AND SURVEYING

Log Suite #1		Interval (mMDRT)	Survey	Interval (mMDRT)
LWD #1	LWD/MWD (Directional)	**Reamed**: 2920 - 2933 m & **Drilled**: 2933 - 3174 m	SDI Multi-Shot Gyro Survey	0 m - 907.8 m
RUN #1	PEX-HALS-HNGS-LEHQT	3177.5 - 900.2 m	SDI Multi-Shot Gyro Survey	907.8 m - 2923.0 m
RUN #2	MDT-GR-LEHQT	3162.0 - 1780.0 m	Anadrill MWD	2923.0 m - 3138.3 m
RUN #3	DSI-FMI-GR-LEHQT	3177.5 - 135.0 m		
RUN #4	DUAL CSAT-VSP	3171.0 - 173.6 m (111 Levels Shot)		
RUN #5	CST-GR	3165.0 - 1717.0 m (Shot 60, Recovered 52, Lost 7, Empty 1)		

WELL DATA

Date	18/02/2003 - 23/02/2003	24/02/2003 - 24/02/2003	24/02/2003 - 25/02/2003	25/02/2003 - 26/02/2003
Run	1 (BHA#5 / LWD#1)	2	3	4
Log	RAB - Directional MWD	PEX-HALS-HNGS-LEHQT	MDT-GR-LEHQT	DSI-FMI-GR-LEHQT
Depth Driller	3174 m	3174 m	3174 m	3174 m
Depth Logger	MWD	3177.5 m	3177.5 m	3177.5 m
Bottom Log Interval	3174 m	3174.5 m	3162 m	3177.5 m
Top Log Interval	2900 m	900.2 m	1780 m	135 m
Casing Driller	900.8m	900.8 m	900.8 m	900.8 m
Casing Logger	MWD	900.2 m	900.2 m	900.2 m
Casing Size	13 3/8"	13 3/8"	13 3/8"	13 3/8"
Casing Weight	68 & 72 lb/ft	68 & 72 lb/ft	68 & 72 lb/ft	68 & 72 lb/ft
Bit Size	12 1/4"	12 1/4"	12 1/4"	12 1/4"
Type of Fluid in Hole	KCl/PHPA/Polymer/Glycol	KCl/PHPA/Polymer/Glycol	KCl/PHPA/Polymer/Glycol	KCl/PHPA/Polymer/Glycol
Density	10.35 ppg	10.35 ppg	10.35 ppg	10.35 ppg
Rm @ Measured Temp.	0.1089 @ 24.3°C	0.100 @ 24.2°C	0.100 @ 24.2°C	0.100 @ 24.2°C
Rmf @ Measured Temp.	0.0914 @ 21.0°C	0.085 @ 20.5°C	0.085 @ 20.5°C	0.085 @ 20.5°C
Rmc @ Measured Temp.	0.3090 @ 21.0°C	0.125 @ 22.6°C	0.125 @ 22.6°C	0.125 @ 22.6°C
Max. Recorded Temp.		110°C	115.5°C	120°C
Equipment / Location		unit 571, VEA - Sale	unit 571, VEA - Sale	Unit 571, VEA - Sale
Recorded By		Francisco/Rohan	Francisco/Rohan	Francisco/Rohan
Witnessed By	Gordon Wakelin King Glen Smith & Jon Reeve	Gordon Wakelin King Glen Smith	Gordon Wakelin King Glen Smith	Gordon Wakelin King Glen Smith

CORES

From (mMDRT)	To (mMDRT)	Rec %
No Cores Cut		

PERFORATIONS

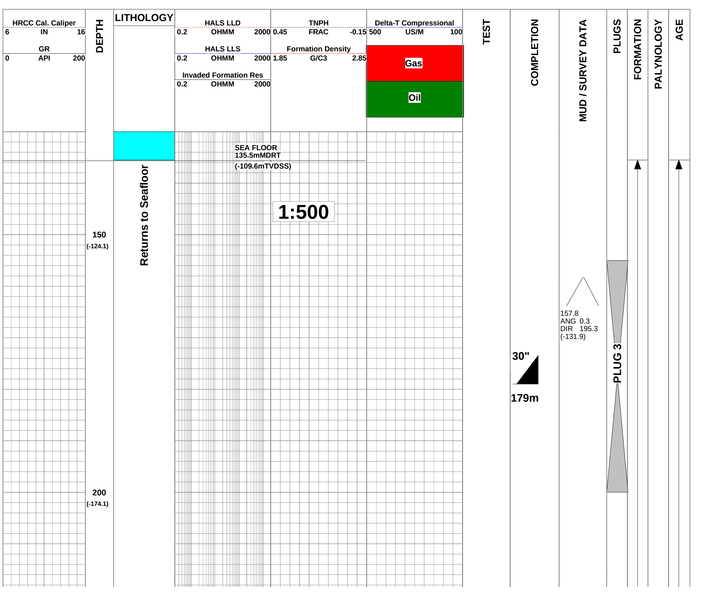
From (mMDRT)	To (mMDRT)	Shots/ft

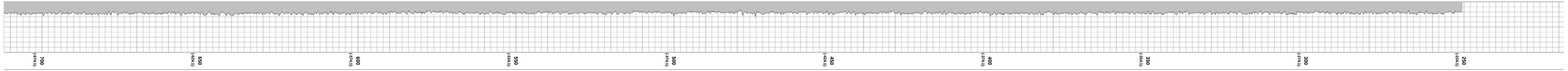
CASING

Size	Set @ (mMDRT)	Sx Cmt	Formation
30"	179	1149	Recent
13 3/8"	900.8	2084	Gippsland Limestone
9 5/8"	Not Run	---	

PLUGS

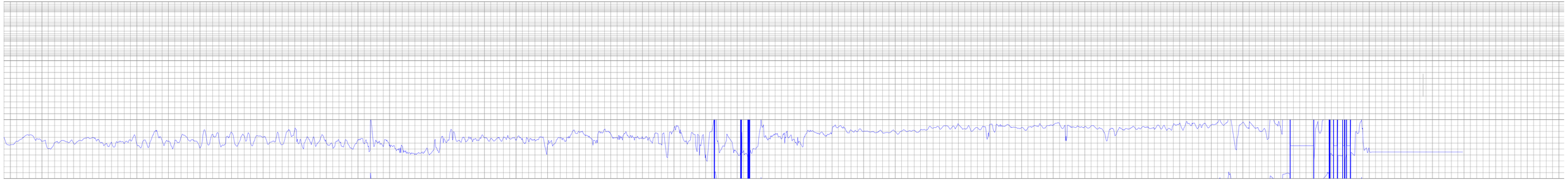
From (mMDRT)	To (mMDRT)	Sx Cmt
1a	3174	3014
1b	3014	2857
1c	2857	2710
1d	2710	2560
1e	2560	2403.7
2a	930	895
EZSV Bridge Plug A Set @ 895 m		
2b	895	850
3	200	155





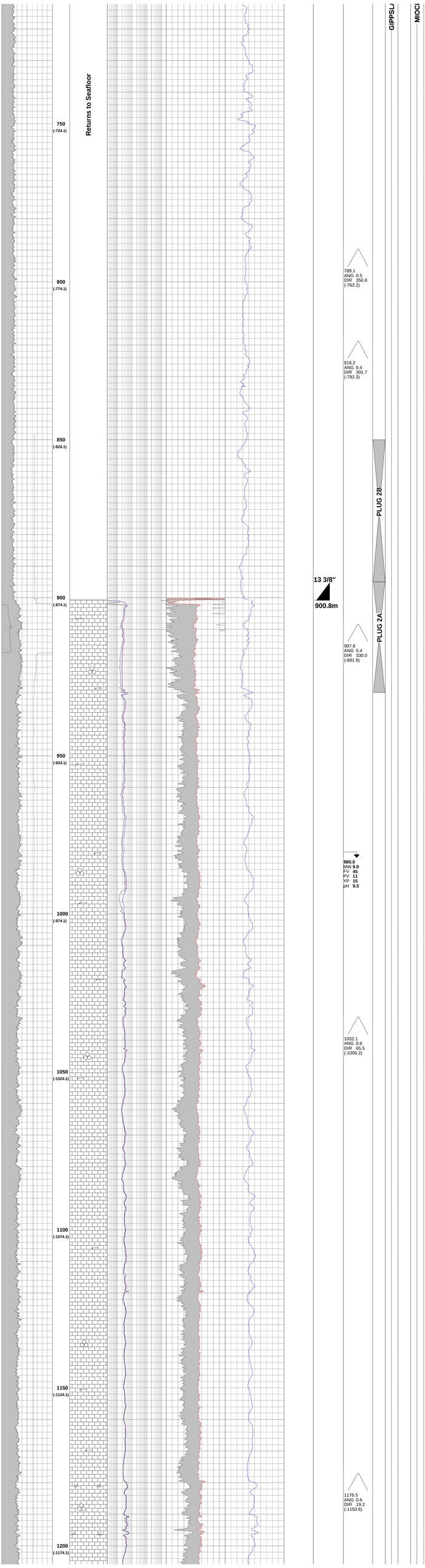
Returns to Seafloor

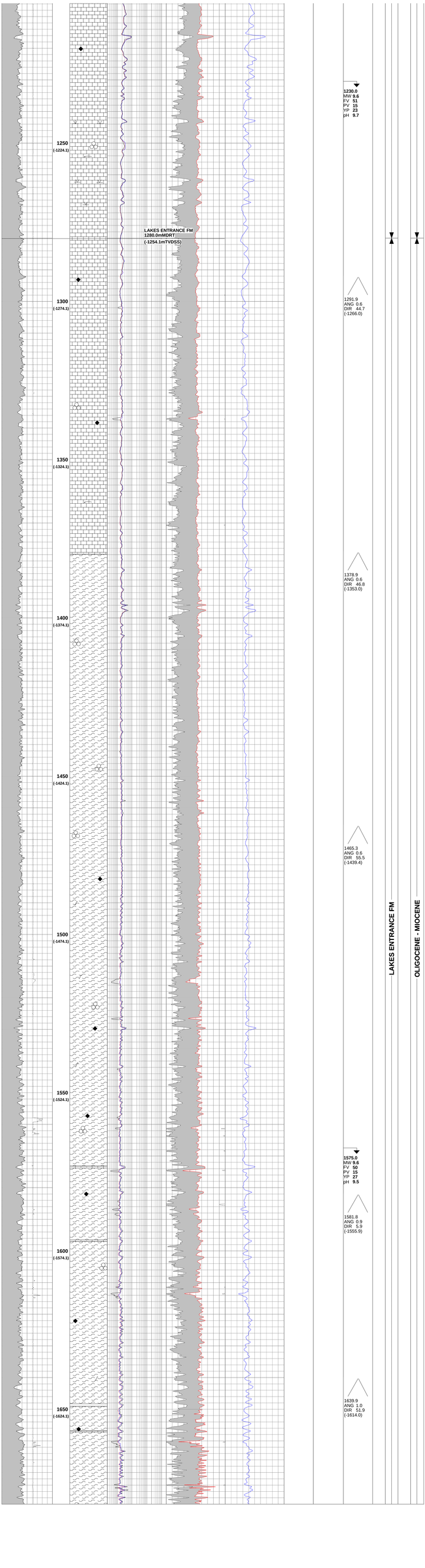
Returns to Seafloor

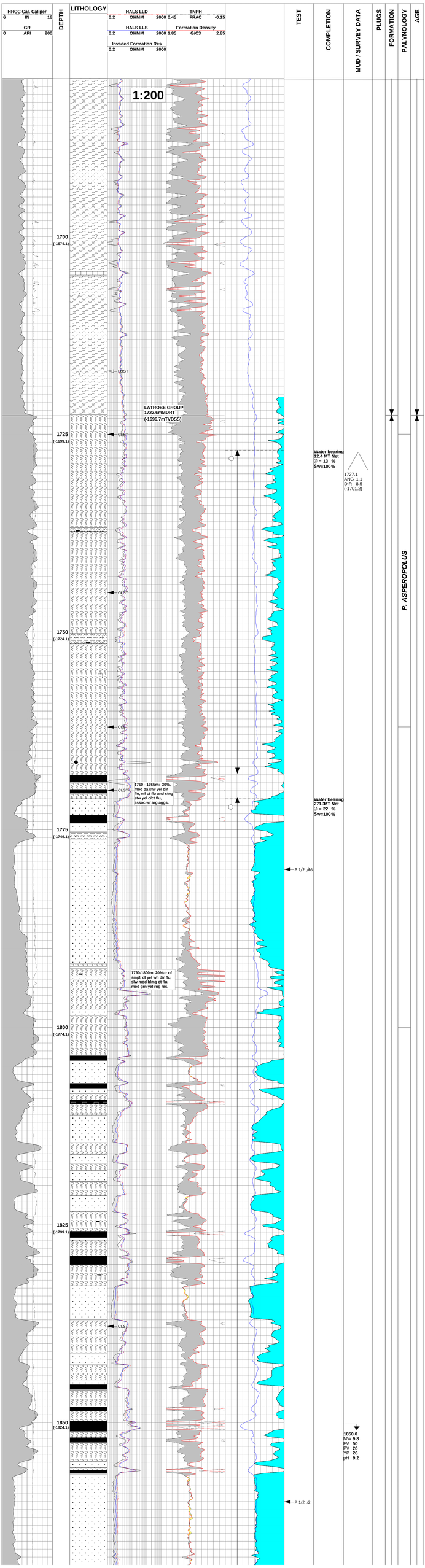


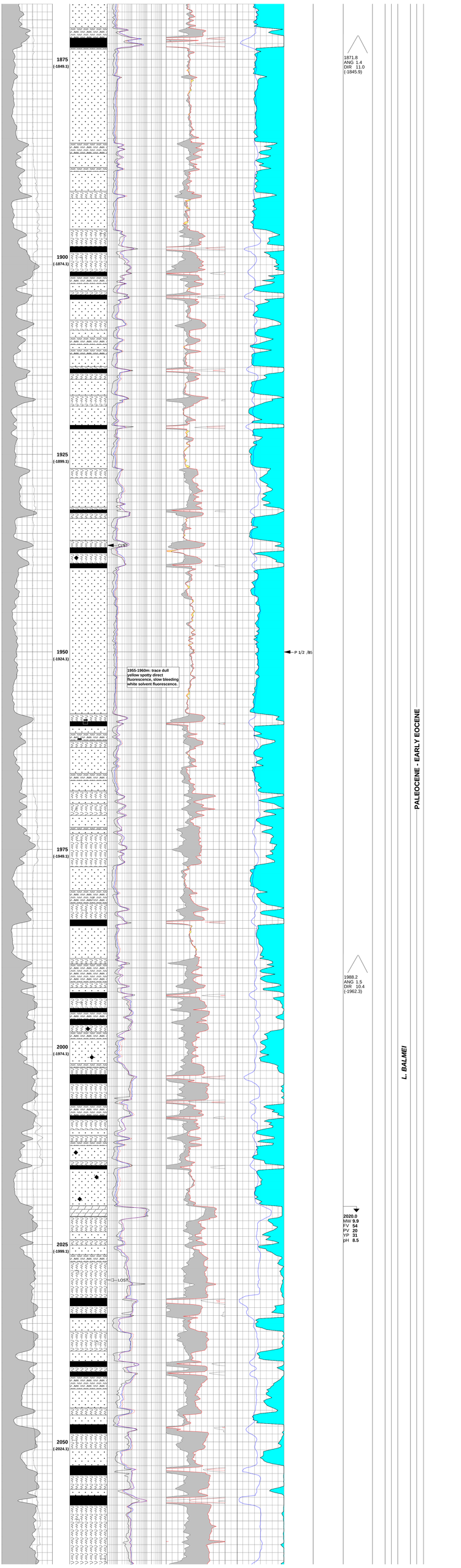
AND LIMESTONE

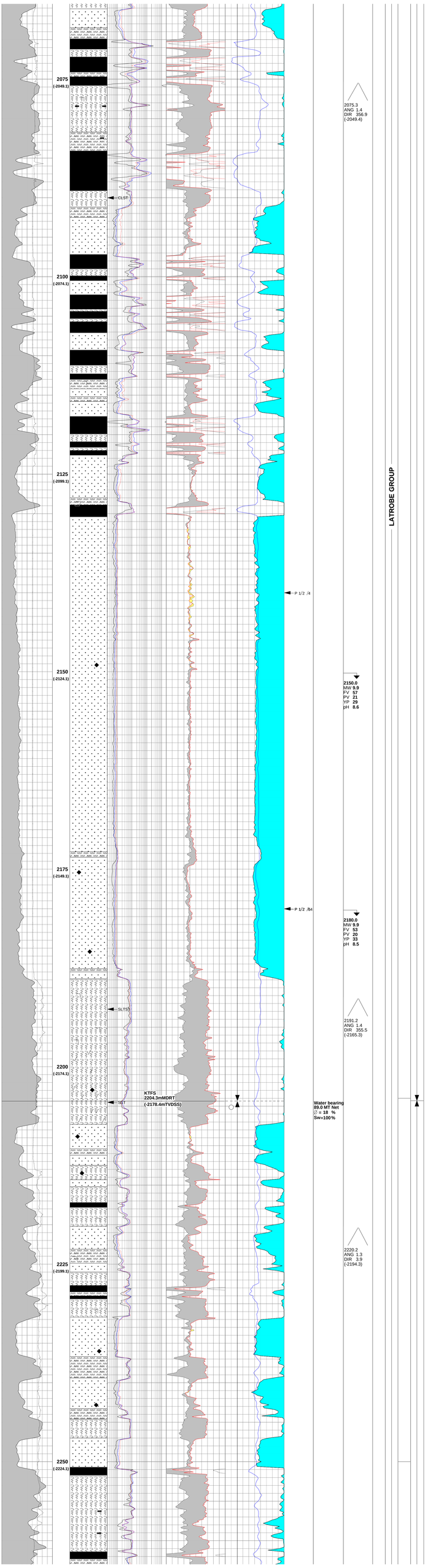
ENE - RECENT

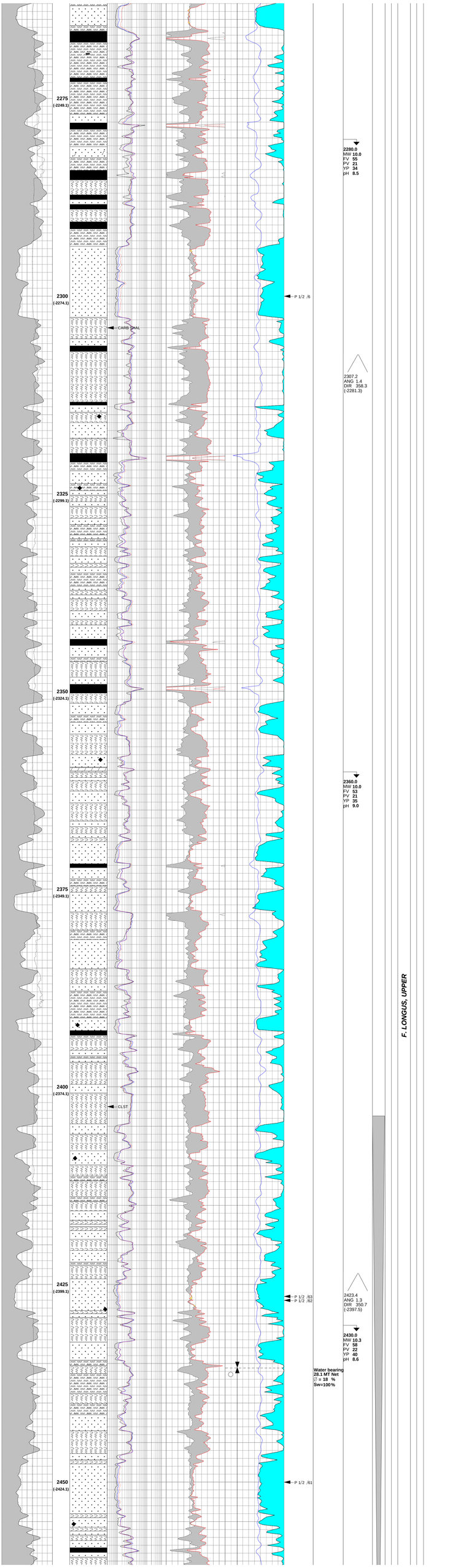

Returns to Seafloor
750
(-724.1)
800
(-774.1)
850
(-824.1)
900
(-874.1)
950
(-924.1)
1000
(-974.1)
1050
(-1024.1)
1100
(-1074.1)
1150
(-1124.1)
1200
(-1174.1)
789.1
ANG 0.5
DIR 350.8
(-763.2)
818.2
ANG 0.4
DIR 301.7
(-792.3)
907.8
ANG 0.4
DIR 330.0
(-881.9)
980.9
MW 9.0
FV 45
PV 11
YP 15
pH 9.5
1032.1
ANG 0.6
DIR 65.5
(-1006.2)
1176.5
ANG 0.6
DIR 19.2
(-1150.6)
13 3/8"
900.8m
PLUG 2B
PLUG 2A
GIPPSLA
MIOCE

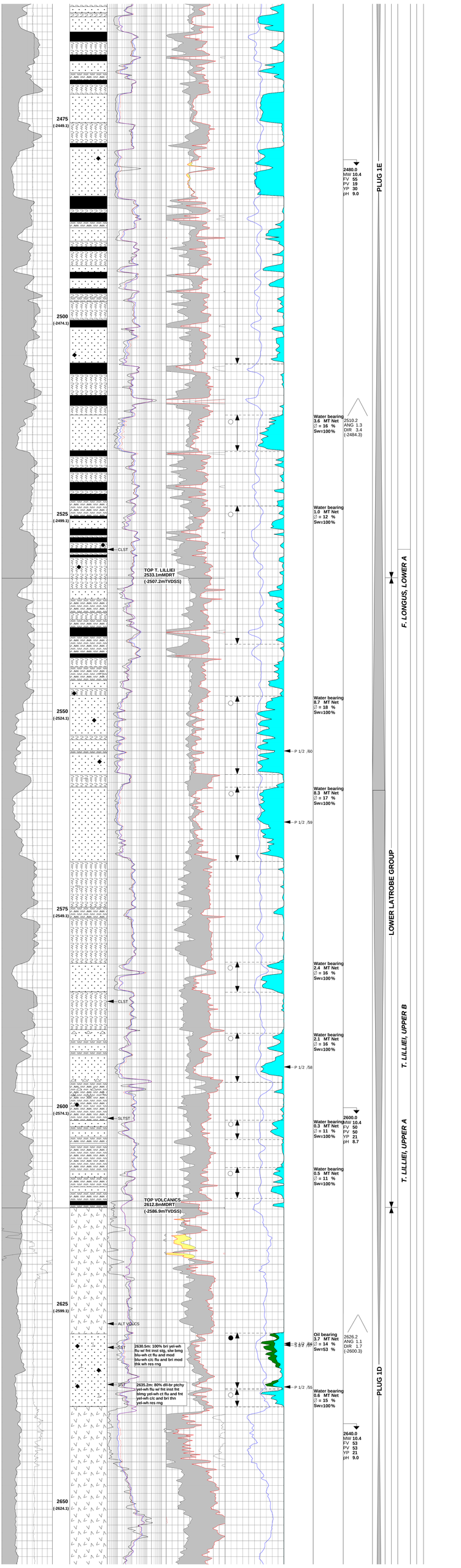

1250
(-1224.1)
1300
(-1274.1)
1350
(-1324.1)
1400
(-1374.1)
1450
(-1424.1)
1500
(-1474.1)
1550
(-1524.1)
1600
(-1574.1)
1650
(-1624.1)
LAKES ENTRANCE FM
1280.0mMDRT
(-1254.1mTVDSS)
1230.0
MW 0.6
FV 51
PV 15
YP 23
pH 9.7
1291.9
ANG 0.6
DIR 44.7
(-1266.0)
1378.9
ANG 0.6
DIR 46.8
(-1353.0)
1465.3
ANG 0.6
DIR 55.5
(-1439.4)
1575.0
MW 0.6
FV 50
PV 15
YP 27
pH 9.5
1581.8
ANG 0.9
DIR 5.9
(-1555.9)
1639.9
ANG 1.0
DIR 51.9
(-1614.0)
LAKES ENTRANCE FM
OLIGOCENE - MIOCENE

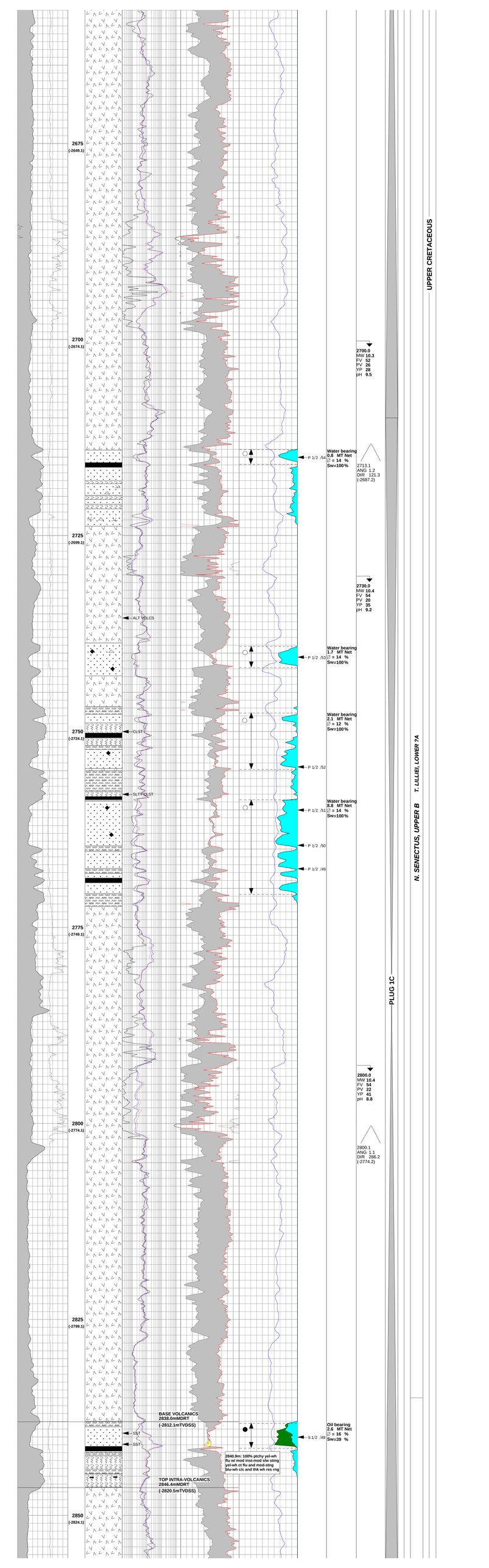

HRCC Cal. Caliper
6 IN 16
GR
0 API 200
DEPTH
LITHOLOGY
HALS LLD
0.2 OHMM 2000
HALS LLS
0.2 OHMM 2000
Invaded Formation Res
0.2 OHMM 2000
TNPH
0.45 FRAC -0.15
Formation Density
1.85 G/C3 2.85
TEST
COMPLETION
MUD / SURVEY DATA
PLUGS
FORMATION
PALYNOLOGY
AGE
1:200
1700
(-1674.1)
LOST
LATROBE GROUP
1722.6mMDRT
(-1696.7mTVDSS)
1725
(-1699.1)
CLST
Water bearing
12.4 MT Net
∅ = 13 %
Sw=100%
1727.1
ANG 1.1
DIR 8.5
(-1701.2)
1750
(-1724.1)
1760 - 1765m: 30%,
mod pa stw yel dir
flu, nil ct flu and stng
stw yel cict flu,
assoc w/ arg aggs.
Water bearing
271.3MT Net
∅ = 22 %
Sw=100%
1775
(-1749.1)
P 1/2 /86
1790-1800m :20%-tr of
smpl, dl yel wh dir flu,
slw mod blmg ct flu,
mod grn yel rng res.
1800
(-1774.1)
P. ASPEROPOLUS
1825
(-1799.1)
1850.0
MW 9.8
FV 50
PV 20
YP 26
pH 9.2
1850
(-1824.1)
P 1/2 /2

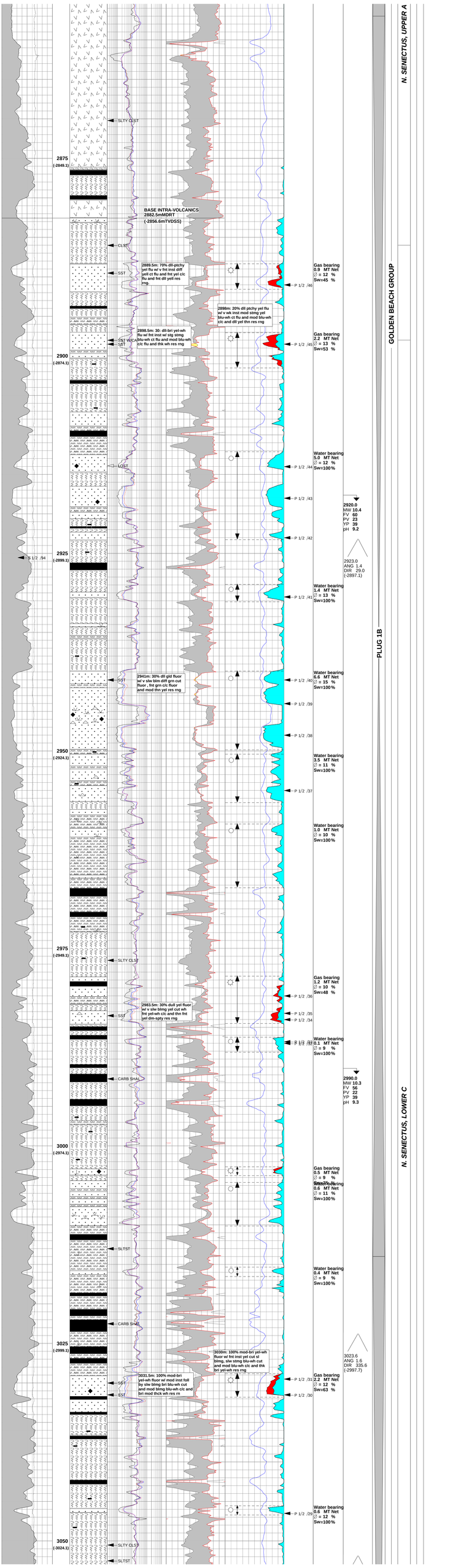

1875
(-1849.1)
1900
(-1874.1)
1925
(-1899.1)
1950
(-1924.1)
1975
(-1949.1)
2000
(-1974.1)
2025
(-1999.1)
2050
(-2024.1)
CLST
LOST
P 1/2 /85
1955-1960m: trace dull yellow spotty direct fluorescence, slow bleeding white solvent fluorescence.
1871.8
ANG 1.4
DIR 11.0
(-1845.9)
1988.2
ANG 1.5
DIR 10.4
(-1962.3)
2020.0
MW 9.9
FV 54
PV 20
YP 31
pH 8.5
PALEOCENE - EARLY EOCENE
L. BALME/

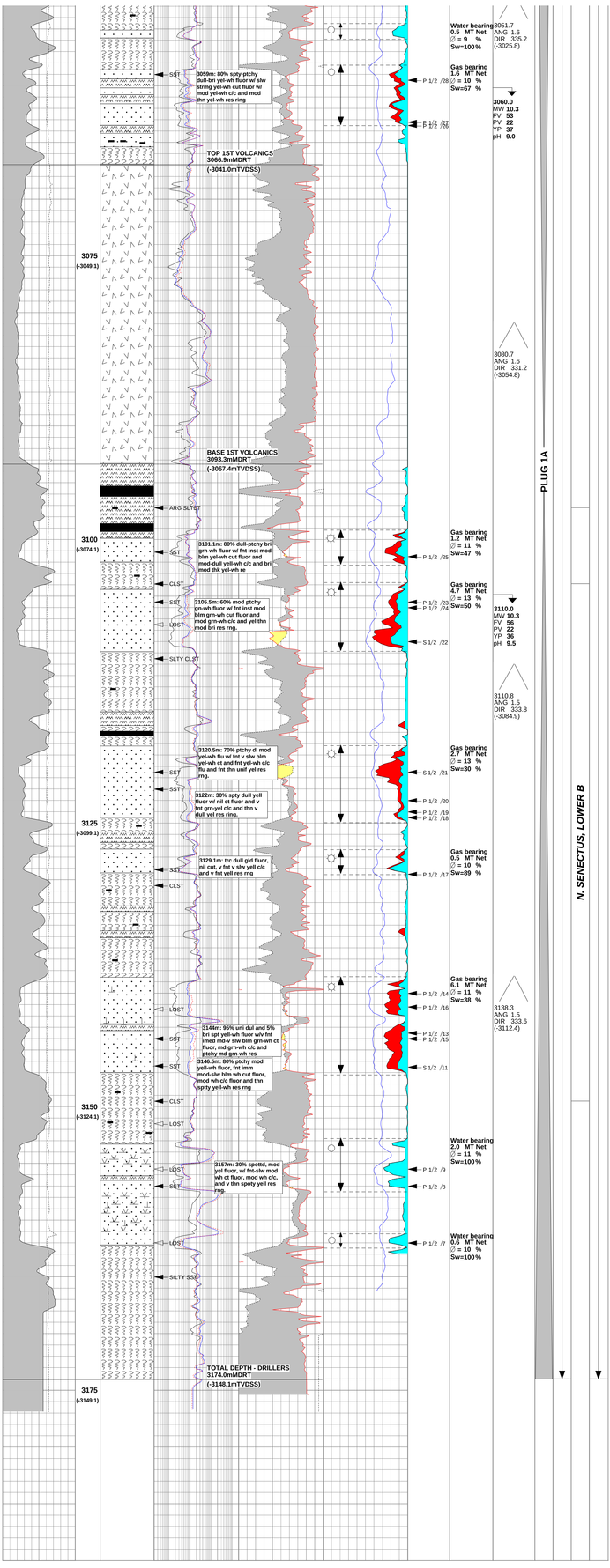

2075
(-2049.1)
CLST
2100
(-2074.1)
2125
(-2099.1)
P 1/2 /4
2150
(-2124.1)
2150.0
MW 9.9
FV 57
PV 21
YP 29
pH 8.6
2175
(-2149.1)
P 1/2 /64
2180.0
MW 9.9
FV 53
PV 20
YP 33
pH 8.5
SLTST
2200
(-2174.1)
SST
KTFS
2204.3mMDRT
(-2178.4mTVDSS)
Water bearing
89.0 MT Net
= 18 %
Sw=100 %
2225
(-2199.1)
2250
(-2224.1)
2075.3
ANG 1.4
DIR 356.9
(-2049.4)
2191.2
ANG 1.4
DIR 355.5
(-2165.3)
2220.2
ANG 1.3
DIR 3.9
(-2194.3)
LATROBE GROUP


2275
(-2249.1)
2300
(-2274.1)
2325
(-2299.1)
2350
(-2324.1)
2375
(-2349.1)
2400
(-2374.1)
2425
(-2399.1)
2450
(-2424.1)
CARB SHAL
CLST
P 1/2 /6
P 1/2 /63
P 1/2 /62
P 1/2 /61
2280.0
MW 10.0
FV 55
PV 21
YP 34
pH 8.5
2307.2
ANG 1.4
DIR 358.3
(-2281.3)
2360.0
MW 10.0
FV 53
PV 21
YP 35
pH 9.0
2423.4
ANG 1.3
DIR 350.7
(-2397.5)
2430.0
MW 10.1
FV 58
PV 22
YP 40
pH 8.6
Water bearing
28.1 MT Net
∅ = 18 %
Sw=100 %
F. LONGUS, UPPER


2475
(-2449.1)
2500
(-2474.1)
2525
(-2499.1)
2550
(-2524.1)
2575
(-2549.1)
2600
(-2574.1)
2625
(-2599.1)
2650
(-2624.1)
CLST
TOP T. LILLIEI
2533.1mMDRT
(-2507.2mTVDSS)
SLTST
TOP VOLCANICS
2612.8mMDRT
(-2586.9mTVDSS)...
ALT VOLCS
SST
2630.5m: 100% bri yel-wh flu wf fnt inst stg, slw bmg blu-wh ct flu and mod blu-wh c/c flu and bri mod thk wh res rng
SST
2635.2m: 80% dll-br pitchy yel-wh flu wf fnt inst fnt blmg yel-wh ct flu and fnt yel-wh c/c and bri thn yel-wh res rng
P 1/2 /60
P 1/2 /59
P 1/2 /58
P 1/2 /56
P 1/2 /55
Water bearing
3.6 MT Net
∅ = 16 %
Sw=100 %
Water bearing
1.0 MT Net
∅ = 12 %
Sw=100 %
Water bearing
8.7 MT Net
∅ = 18 %
Sw=100 %
Water bearing
8.3 MT Net
∅ = 17 %
Sw=100 %
Water bearing
2.4 MT Net
∅ = 16 %
Sw=100 %
Water bearing
2.1 MT Net
∅ = 16 %
Sw=100 %
Water bearing
0.3 MT Net
∅ = 11 %
Sw=100 %
Water bearing
0.5 MT Net
∅ = 11 %
Sw=100 %
Oil bearing
3.7 MT Net
∅ = 14 %
Sw=53 %
Water bearing
0.6 MT Net
∅ = 15 %
Sw=100 %
2480.0
MW 10.4
FV 55
PV 19
YP 20
pH 9.0
2600.0
MW 10.4
FV 50
PV 50
YP 21
pH 8.7
2640.0
MW 10.4
FV 53
PV 53
YP 21
pH 9.0
2510.2
ANG 1.3
DIR 3.4
(-2484.3)
2626.2
ANG 1.1
DIR 1.7
(-2600.3)
PLUG 1E
PLUG 1D
LOWER LATROBE GROUP
F. LONGUS, LOWER A
T. LILLIEI, UPPER B
T. LILLIEI, UPPER A


UPPER CRETACEOUS
PLUG 1C
N. SENECTUS, UPPER B
T. LILLIEI, LOWER ?A
2675
(-2649.1)
2700
(-2674.1)
2725
(-2699.1)
2750
(-2724.1)
2775
(-2749.1)
2800
(-2774.1)
2825
(-2799.1)
2850
(-2824.1)
2700.0
MW 10.3
FV 52
PV 26
YP 28
pH 9.5
2713.1
ANG 1.2
DIR 121.3
(-2687.2)
Water bearing
0.8 MT Net
∅ = 14 %
Sw=100 %
P 1/2 /52
2730.0
MW 10.4
FV 54
PV 20
YP 35
pH 9.2
ALT VOLCS
Water bearing
1.7 MT Net
∅ = 14 %
Sw=100 %
P 1/2 /53
Water bearing
2.1 MT Net
∅ = 12 %
Sw=100 %
P 1/2 /52
CLST
SLTY CLST
Water bearing
8.8 MT Net
∅ = 14 %
Sw=100 %
P 1/2 /51
P 1/2 /50
P 1/2 /49
2800.0
MW 10.4
FV 54
PV 22
YP 41
pH 8.8
2800.1
ANG 1.1
DIR 286.2
(-2774.2)
BASE VOLCANICS
2838.0mMDRT
(-2812.1mTVDSS)
SST
SST
Oil bearing
2.6 MT Net
∅ = 16 %
Sw=39 %
S 1/2 /48
2840.9m: 100% ptchy yel-wh
flu w/ mod inst-mod stw stmg
yel-wh ct flu and mod-stng
blu-wh clc and thk wh res rng
TOP INTRA-VOLCANICS
2846.4mMDRT
(-2820.5mTVDSS)


N. SENECTUS, UPPER A
GOLDEN BEACH GROUP
PLUG 1B
N. SENECTUS, LOWER C
BASE INTRA-VOLCANICS
2882.5mMDRT
(-2856.6mTVDSS)
SLTY CLST
CLST
SST
SST W/ CA
SST
LCST
SLTST
CARB SHAL
SLTY CLST
2875
(-2849.1)
2900
(-2874.1)
2925
(-2899.1)
2950
(-2924.1)
2975
(-2949.1)
3000
(-2974.1)
3025
(-2999.1)
3050
(-3024.1)
S 1/2 /94
P 1/2 /46
P 1/2 /45
P 1/2 /44
P 1/2 /43
P 1/2 /42
P 1/2 /41
P 1/2 /40
P 1/2 /39
P 1/2 /38
P 1/2 /37
P 1/2 /36
P 1/2 /35
P 1/2 /34
P 1/2 /33
P 1/2 /31
P 1/2 /30
P 1/2 /25
2889.5m: 70% dll-ptchy yel flu w/ v fnt inst diff yell ct flu and fnt yel clc flu and fnt dll yell res rmg.
2898m: 20% dll ptchy yel flu w/ v wk inst mod stmg yel blu-wh ct flu and mod blu-wh clc and dll yel thn res rng
2898.5m: 30: dll-bri yel-wh flu w/ fnt inst wl stg stmg blu-wh ct flu and mod blu-wh clc flu and thk wh res rng
2941m: 30% dll gld fluor w/ v slw ikm diff grn cut fluor , fnt grn clc fluor and mod thn yel res rng
2983.5m: 30% dull yel fluor w/ v slw blmg yel cut wh fnt yel-wh clc and thn fnt yel dm-spty res rng
3030m: 100% mod-bri yel-wh fluor w/ fnt inst yel cut sl blmg, slw stmg blu-wh cut and mod blu-wh clc and thk bri yel-wh res rng
3031.5m: 100% mod-bri yel-wh fluor wl mod inst foll by slw blmg bri blu-wh cut and mod blmg blu-wh clc and bri mod thck wh res rn
Gas bearing
0.9 MT Net
∅ = 12 %
Sw=45 %
Gas bearing
2.2 MT Net
∅ = 13 %
Sw=53 %
Water bearing
5.0 MT Net
∅ = 12 %
Sw=100%
Water bearing
1.4 MT Net
∅ = 13 %
Sw=100%
Water bearing
6.6 MT Net
∅ = 15 %
Sw=100%
Water bearing
3.5 MT Net
∅ = 11 %
Sw=100%
Water bearing
1.0 MT Net
∅ = 10 %
Sw=100%
Gas bearing
1.2 MT Net
∅ = 10 %
Sw=48 %
Water bearing
0.1 MT Net
∅ = 9 %
Sw=100%
Gas bearing
0.5 MT Net
∅ = 9 %
Sw=70 %
Water bearing
0.6 MT Net
∅ = 11 %
Sw=100%
Water bearing
0.4 MT Net
∅ = 9 %
Sw=100%
Gas bearing
2.2 MT Net
∅ = 12 %
Sw=63 %
Water bearing
0.6 MT Net
∅ = 12 %
Sw=100%
2920.0
MW 10.4
FV 60
PV 23
YP 39
pH 9.2
2923.0
ANG 1.4
DIR 29.0
(-2897.1)
2990.0
MW 10.3
FV 56
PV 22
YP 39
pH 9.3
3023.6
ANG 1.6
DIR 335.6
(-2997.7)



SCALLOP 1

Petrophysical Analysis Summary 1720 - 3165m

Net Thickness (for oil bearing intervals) is based on a PHIE Cut-off > **:0.10 volume per volume**

Net Thickness (for gas bearing intervals) is based on a PHIE Cut-off > **:0.08 volume per volume**

Depth Reference MDKB

Mean PHIE, Mean VSH, Mean SWE is of Net Thickness interval

Y= yes N= no

Top Depth	Bottom Depth	Gross Thickness	Net Thickness	Net/Gross Ratio	Mean VSH	Mean PHIE	Mean SWE	Comments	Net Pay
1726.96	1767.89	40.9	12.4	0.303	0.477	0.128	1.000	Water bearing	
1770.95	2204.29	433.3	271.3	0.626	0.166	0.215	1.000	Water bearing	
2204.35	2435.51	231.2	89.0	0.385	0.214	0.181	1.000	Water bearing	
2435.57	2505.99	70.4	28.1	0.399	0.155	0.178	1.000	Water bearing	
2512.45	2517.05	4.6	3.6	0.783	0.262	0.159	1.000	Water bearing	
2523.96	2541.45	17.5	1.0	0.057	0.284	0.116	1.000	Water bearing	
2548.05	2557.95	9.9	8.7	0.879	0.205	0.175	1.000	Water bearing	
2559.55	2568.95	9.4	8.3	0.883	0.184	0.168	1.000	Water bearing	
2581.70	2585.50	3.8	2.4	0.632	0.280	0.158	1.000	Water bearing	
2590.70	2596.90	6.2	2.1	0.339	0.295	0.156	1.000	Water bearing	
2601.70	2604.16	2.5	0.3	0.122	0.390	0.110	1.000	Water bearing	
2607.70	2611.60	3.9	0.5	0.128	0.343	0.106	1.000	Water bearing	
2628.65	2635.66	7.0	3.7	0.528	0.271	0.136	0.534	Oil bearing	Y
2635.80	2638.00	2.2	0.6	0.273	0.224	0.152	1.000	Water bearing	
2713.98	2715.87	1.9	0.8	0.423	0.143	0.138	1.000	Water bearing	
2739.08	2741.80	2.7	1.7	0.625	0.113	0.144	1.000	Water bearing	
2747.58	2754.79	7.2	2.1	0.291	0.114	0.122	1.000	Water bearing	
2758.66	2770.71	12.1	8.8	0.730	0.118	0.141	1.000	Water bearing	
2838.19	2841.37	3.2	2.6	0.818	0.129	0.158	0.393	Oil bearing	Y
2888.28	2891.51	3.2	0.9	0.279	0.341	0.119	0.448	Gas bearing	Y
2897.00	2901.47	4.5	2.2	0.492	0.243	0.129	0.531	Gas bearing	Y
2912.08	2923.21	11.1	5.0	0.449	0.145	0.120	1.000	Water bearing	
2928.86	2931.06	2.2	1.4	0.636	0.228	0.132	1.000	Water bearing	
2939.84	2949.81	10.0	6.6	0.662	0.125	0.147	1.000	Water bearing	
2950.35	2956.49	6.1	3.5	0.564	0.127	0.110	1.000	Water bearing	
2959.19	2967.26	8.1	1.0	0.124	0.205	0.095	1.000	Water bearing	
2978.45	2984.45	6.0	1.2	0.200	0.269	0.099	0.478	Gas bearing	Y
2986.19	2988.08	1.9	0.1	0.053	0.354	0.089	1.000	Water bearing	
3002.58	3003.71	1.1	0.5	0.443	0.190	0.085	0.750	Gas bearing	Y
3004.56	3010.08	5.5	0.6	0.109	0.255	0.108	1.000	Water bearing	
3015.28	3016.48	1.2	0.4	0.333	0.314	0.091	1.000	Water bearing	
3028.76	3031.75	3.0	2.2	0.736	0.266	0.122	0.631	Gas bearing	Y
3045.50	3046.66	1.2	0.6	0.517	0.206	0.119	1.000	Water bearing	
3054.47	3055.85	1.4	0.5	0.362	0.299	0.088	1.000	Water bearing	
3058.13	3063.47	5.3	1.6	0.300	0.265	0.097	0.674	Gas bearing	Y
3099.12	3102.21	3.1	1.2	0.388	0.263	0.108	0.473	Gas bearing	Y
3103.74	3109.80	6.1	4.7	0.776	0.197	0.131	0.504	Gas bearing	Y
3115.88	3116.89	1.0	0.0	0.000					
3118.12	3124.91	6.8	2.7	0.398	0.180	0.130	0.305	Gas bearing	Y
3127.29	3129.49	2.2	0.5	0.227	0.308	0.102	0.885	Gas bearing	N
3134.20	3135.02	0.8	0.0	0.000					
3138.49	3147.14	8.6	6.1	0.705	0.198	0.114	0.376	Gas bearing	Y
3152.75	3157.45	4.7	2.0	0.426	0.191	0.110	1.000	Water bearing	
3161.15	3162.41	1.3	0.6	0.476	0.215	0.103	1.000	Water bearing	

Total Oil Pay : 6.3m

Totol Gas Pay: 23.3m

ESSO AUSTRALIA PTY LTD **MDT Table**

Well: Scallop - 1

Date: 24-Feb-03 Geologist-Engineer Glen Smith & Gordon Wakelin-King / Francisco Marcano & Josie Robertson

Tool Type: MDT KB (metres): 25.9

Gauge Type: Q,Q and Strain
Pressure units: (psia, psig)

Probe type: Large
Temperature units: Deg C

Seat No	Depth mRT	Depth mSS	Strain Gauge (SG) Hyd before psig	Strain Gauge (SG) Reservoir psig	Quartz Gauge (CQG) Hydro psia	Quartz Gauge (CQG) Reserv. psia	Quartz Gauge (CQG) Temp deg C	SG Hyd after	CQG Hyd after	Comments	Mobility
Suite 1 Run 2											
1	1780.0	1754.01	3151.60	2486.0	3167.40	2491.50	80.9	3151.90	3173.00	Good Pretest	**6242.4**
2	1860.0	1833.99	3290.00	2613.0	3312.92	2620.20	81.6	3290.10	3309.10	Good Pretest	**8429.2**
3	1950.0	1923.96	3445.60	2739.1	3467.68	2747.84	83.0	3445.70	3466.60	Good Pretest	**633.0**
4	2140.0	2113.90	3773.70	3005.8	3801.15	3018.25	85.8	3774.40	3800.60	Good Pretest	**6014.4**
5	2180.0	2153.89	3844.50	3062.8	3871.10	3074.66	87.0	3845.70	3870.70	Good Pretest	**920.4**
6	2300.0	2273.86	4053.20	3229.4	4081.62	3242.71	89.5	4054.30	4081.50	Good Pretest	**383.4**
7	3162.0	3135.63	5567.30	4596.2	5591.20	4610.41	114.9	5568.40	5591.51	Good Pretest	**41.3**
8	3157.0	3130.63	5560.10	4590.9	5582.80	4604.12	115.7	5561.00	5560.70	Good Pretest	**13.3**
9	3155.5	3129.13	5558.80	4590.4	5580.50	4603.02	116.1	5559.20	5580.40	SIPq minimum 4603.00	**25.9**
10	3146.0	3119.64	5543.70	4588.1	5563.88	4600.01	116.3	5543.60	5563.90	too tight to pump	**4.8**
11	3146.5	3120.14								Seal failure and reset	
12	3146.5	3120.14	5545.10	4587.4	5565.00	4598.77	117.9	5543.60	5564.50	Good Pretest samples 1 and 2 taken	**39.1**
13	3143.5	3117.14	5538.40	4584.6	5559.14	4597.32	117.3	5538.40	5559.16	Good Pretest	**4.2**
14	3140.0	3113.64	5532.90	4584.3	5553.31	4596.72	117.9	5532.90	5553.31	Good Pretest	**2.9**
15	3144.0	3117.64	5540.30	4586.0	5560.28	4597.79	117.4	5540.50	5560.40	Good Pretest	**11.8**
16	3141.2	3114.84	5536.20	4585.5	5555.51	4596.86	117.8	5536.10	5555.50	Good Pretest	**2.6**
17	3129.5	3103.14	5516.60	4634.9	5535.17	4645.81	117.1	5516.30	5534.90	Good Pretest - possible super charge	**10.7**
18	3124.5	3098.14	5507.80	4560.3	5526.32	4570.80	117.0	5507.50	5526.30	Good Pretest-lost seal at end of test.	**0.8**
19	3124.0	3097.64	5525.52		5507.10		116.9	5525.50	5507.00	Tight no test	
20	3123.0	3096.64	5505.60		5523.80		117.0	5505.40	5523.77	Tight no test	
21	3120.5	3094.14	5501.40	4552.6	5519.34	4562.37	117.1	5501.50	5519.34	Good pretest samples 3 and 4 taken	**2396.8**
22	3109.0	3082.65	5481.60	4531.2	5500.00	4541.34	116.7	5479.50	5499.56	Good pretest samples 5 and 6 taken	**879.4**
23	3105.5	3079.15	5473.80		5493.70		116.6	5474.20	5493.67	Tight no test	
24	3106.0	3079.65	5475.40	4532.7	5494.68	4543.89	116.5	5475.20	5494.62	Poor to fair test slightly tight	**2.9**
25	3101.5	3075.15	5468.90	4529.8	5487.45	4540.16	116.8	5468.90	5487.40	Good Pretest	**32.4**
26	3063.5	3037.17	5403.20		5420.67		116.1	5403.50	5420.85	Tight no test	
27	3063.2	3036.87	5404.20		5420.40		115.8	5402.30	5420.42	Tight no test	
28	3059.5	3033.17	5395.90	4440.5	5413.88	4449.99	116.1	5395.50	5414.34	Good pretest - pump out - water	**3.2**
29	3046.5	3020.17	5374.50	4398.2	5391.71	4406.59	115.3	5374.50	5391.80	Good Pretest	**7.5**
30	3031.5	3005.18	5348.70	4388.7	5365.60	4396.76	115.1	5348.50	5365.48	Good Pretest	**21.6**
31	3029.5	3003.18	5345.20	4392.0	5362.00	4400.33	114.6	5344.30	5361.78	Fair Pretest	**2.9**
32	2987.0	2960.69	5271.40		5287.77		114.1	5271.40	5287.84	Tight no test	
33	2986.8	2960.49	5271.0		5287.4		113.7	5271.00	5287.46	Tight no test	
34	2984.0	2957.69	5266.1		5282.6		113.5	5266.10	5282.65	Tight no test	
35	2983.2	2956.89	5264.6	4290.3	5281.3	4297.31	113.7	5262.80	5280.91	Fair Pretest	**6.5**
36	2981.0	2954.70	5259.8	4283.4	5277.3	4290.66	112.6	5259.90	5277.21	Good Pretest	**2.7**
37	2955.0	2928.70	5215.5		5231.8		112.7	5215.70	5231.80	Tight no test	
38	2948.0	2921.71	5203.8	4231.2	5219.6	4237.05	112.4	5203.80	5219.61	Good Pretest	**607.3**
39	2944.0	2917.71	5197.0	4226.2	5212.6	4231.98	112.1	5197.00	5213.63	Good Pretest	**77.6**
40	2941.0	2914.71	5192.1	4222.3	5207.5	4227.47	111.9	5192.10	5207.61	Good Pretest	**353.0**
41	2930.5	2904.21	5174.2	4208.0	5189.5	4212.98	111.3	5174.00	5189.16	Good Pretest	**101.4**
42	2923.0	2896.71	5161.1	4198.0	5176.2	4202.84	111.1	5160.90	5176.16	Fair Pretest	**2.3**
43	2918.0	2891.71	5152.7	4190.7	5167.5	4194.99	111.4	5152.70	5167.63	Good Pretest	**283.7**
44	2914.0	2887.71	5146.1	4186.7	5160.5	4190.72	111.3	5146.10	5160.44	Good Pretest	**161.8**
45	2898.5	2872.22	5119.5	4180.8	5133.5	4184.83	110.9	5119.70	5133.47	Poor to fair test slightly tight	**0.4**
46	2891.0	2864.72	5106.1	4167.8	5120.5	4172.19	110.0	5105.40	5120.63	Tight Test	**0.9**
47	2840.0	2813.73	5017.9	4088.9	5031.5	4093.00	107.9	5012.20	5030.84	Good Pretest	**131.1**
48	2840.0	2813.73	5013.1	4087.2	5030.4	4093.07	107.3	5010.40	5029.68	Good test, taken after 70min pumping for 1 gal sample	**33.5**
49	2767.5	2741.25	4886.7	3950.9	4904.3	3957.07	106.7	4886.60	4904.33	Good Pretest	**15.4**
50	2764.5	2738.25	4881.6	3947.2	4898.7	3952.85	106.2	4881.40	4898.94	Good Pretest	**132.1**
51	2760.0	2733.75	4873.9	3941.1	4891.1	3946.63	105.8	4873.60	4891.10	Good Pretest	**230.8**
52	2754.5	2728.25	4864.4	3936.1	4881.3	3941.41	106.0	4864.40	4881.54	Good Pretest	**521.8**
53	2740.5	2714.25	4840.5	3917.6	4856.9	3922.22	105.4	4840.50	4857.00	Good Pretest	**408.8**
54	2715.0	2688.75	4797.0	3884.3	4812.5	3888.33	105.2	4796.40	4812.24	Good Pretest	**3.7**
55	2635.5	2609.27	4659.6	3674.0	4673.3	3675.28	104.3	4659.20	4673.27	Good Pretest	**952.5**
56	2630.0	2603.77	4649.1	3670.1	4663.2	3671.70	102.6	4648.30	4663.10	Pressure did not stabilise	**1.9**
57	2630.2	2603.97	4649.1	3667.3	4663.5	3668.26	102.7	4646.50	4662.68	Good Pretest	**150.4**
58	2595.0	2568.78	4586.4	3639.8	4601.2	3641.65	102.4	4586.60	4601.41	Good Pretest	**28.2**
59	2564.0	2537.78	4533.2	3592.5	4546.9	3593.41	101.7	4533.10	4547.16	Good Pretest	**1402.7**
60	2555.0	2528.78	4517.5	3580.1	4531.2	3580.89	101.3	4517.30	4531.40	Good Pretest	**495.3**
61	2450.0	2423.81								Tight Test - aborted	
62	2427.0	2400.82								Tight Test - aborted	
63	2426.5	2400.32	4294.3	3373.6	4305.5	3371.69	99	4294.20	4305.60	Good Pretest	**576.2**
64	2180.0	2153.89	3867.3	3081.3	3872.0	3075.19	96	3867.10	3871.89	Good Pretest	**2157.1**
65	1950.0	1923.96	3467.0	2757.7	3467.0	2748.78	92	3466.30	3466.90	Good Pretest	**496.3**
66	1780.0	1754.01	3176.8	2504.0	3167.6	2492.72	88	3170.10	3167.62	Good Pretest	**6139.6**