MASTERLOG
CULVERIN-1

GENERAL	POSITION	HOLE / CASING INFO	DATE / DEPTH	ENGINEERS
Country : AUSTRALIA	Latitude : 38 24 08.35 S	914mm (36") hole to mMDRT: 650.0m	Spud Date : 16-12-05	D.ADDERLEY
Permit : VIC/P-56	Longitude : 148 39 15.04 E	445mm (17 1/2") hole to mMDRT: m	Total Depth Date : xx-xx-05	T.PLATT
Field : GIPPSLAND	UTM Co-ord X (m E):644 440	311mm (12 1/4") hole to mMDRT: m	Total Depth (mMDRT): m	A.DUNN
Basin : GIPPSLAND	UTM Co-ord Y (m N):5 748 250	762mm (30") Cond. to mMDRT: m	True Vertical Depth (mTVDSS): m	S.PROSSER
Well Type : EXPLORATION	RT to MSL (m): 22	340mm (13 3/8") Csg to mMDRT: m	Log Scale : 1/ 500	
Rig Name : OCEAN PATRIOT	RT to Sea Bed (m): 607		Final Status :	

ABBREVIATIONS

MW	Mud Weight	WOB	Weight on Bit (klbs)
FV	Funnel Viscosity	RPM	Rotations Per Min
PV	Plastic Viscosity	FLW	Flow Rate (gpm)
YP	Yield Point	SPP	Pump Pressure (psi)
Gel	Gel Strength	RR	Re-Run Bit
WL	Water Loss	TG	Trip Gas
KCl	Potassium Chloride	CG	Connection Gas
Cl	Chlorides	BG	Background Gas
Incl	Inclination	DGP	Drilled Gas Peak
Az	Azimuth	MM	Mud Motor

LITHOLOGY LEGEND

Claystone, Marl, Lithic Fragment, Cement
Siltstone, Clay, Limestone, Foraminifera, Glauconite
Shale, Limestone, Fossils, Pyrite
Fine SST, Dolomite, Bryozoa, Iron Minerals
Medium SST, Coal, Sponges, Mica
Coarse SST, Volcanics, Brachiopoda, Carb Fragments

ENGINEERING LEGEND

Shoe
Deviation survey, RFT
DST, FIT
Test, Mud loss
Sidewall Core, Mud gain
Core

ROP (m/hr) 100 80 60 40 20 0
WOB (klbs) 50 25 0
MWD Gamma Ray (api) 0 100 200

DEPTH MDRTm (tvd)

CUTTINGS LITHOLOGY % 0 100

INTERPRETIVE

RESERVAL TG & CHROMATOGRAPH
C1, C2, C3, iC4, nC4, iC5, nC5, TG
Total Gas in units Chromatograph in ppm
1 10 100 1K 10K 100K

CALCIMETRY % 0 100

DIRECT FLUOR poor fair good

LITHOLOGY DESCRIPTIONS and REMARKS

600
610
620 (620)
630
640 (640)
650

16-12-05

WOB:1-5Klbs
RPM:80
SPP:1880 psi
FLW:430 gpm

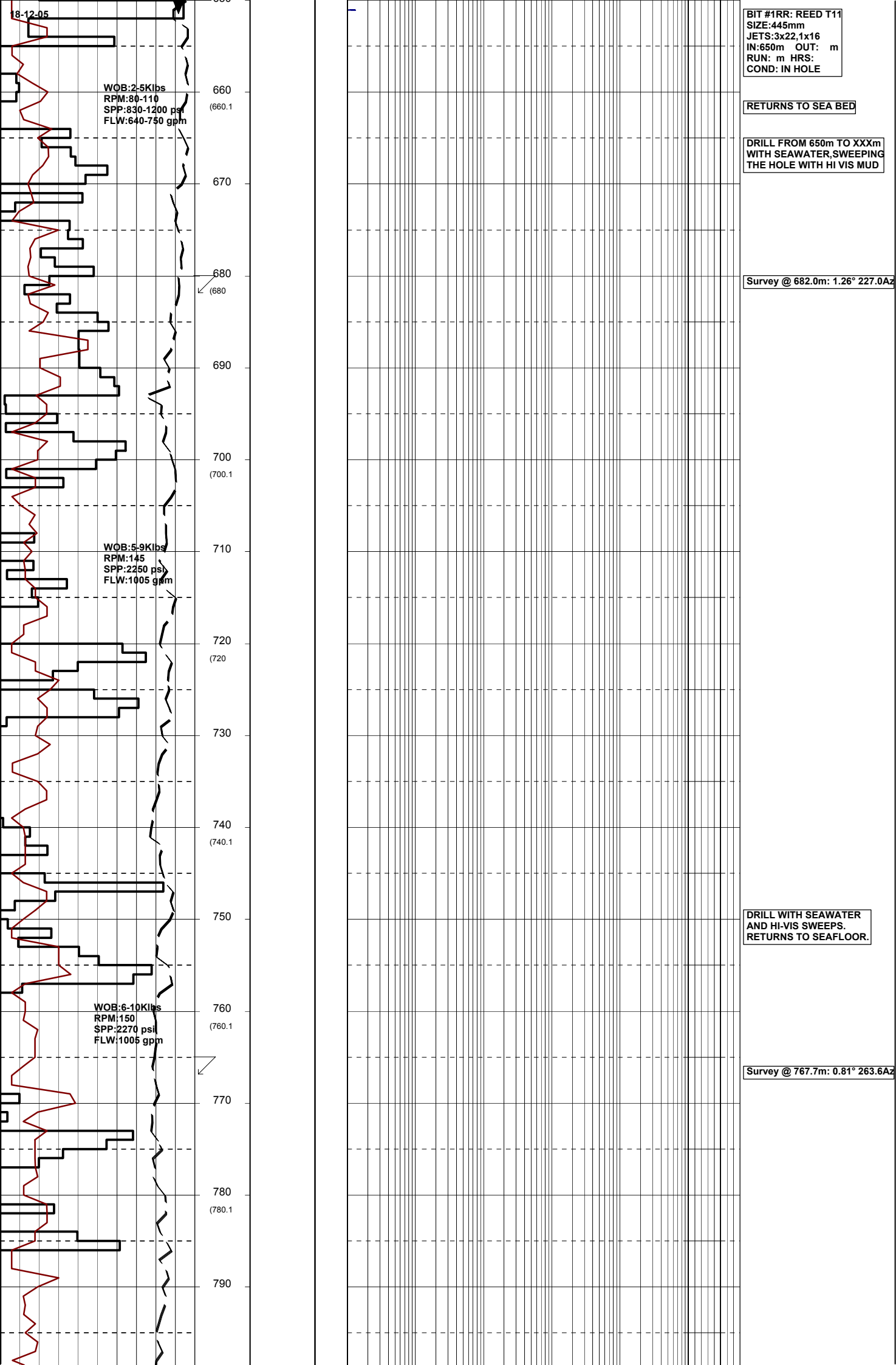
CULVERIN-1 SPUDDED AT 13:30 HRS ON 16-12-2005

RETURNS TO SEA BED

DRILL FROM 607m TO 650m WITH SEAWATER,SWEEPING THE HOLE WITH HI VIS MUD

BIT #1: REED T11
SIZE:445mm + 914mm H.O.
JETS:3x22,1x16
IN:607m OUT:650m
RUN:43m HRS:1.5
COND:Not Graded

30" CONDUTOR SET @ 650m


18-12-05
WOB:2-5Klbs
RPM:80-110
SPP:830-1200 psi
FLW:640-750 gpm
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690
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WOB:5-9Klbs
RPM:145
SPP:2250 psi
FLW:1005 gpm
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730
740
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750
WOB:6-10Klbs
RPM:150
SPP:2270 psi
FLW:1005 gpm
760
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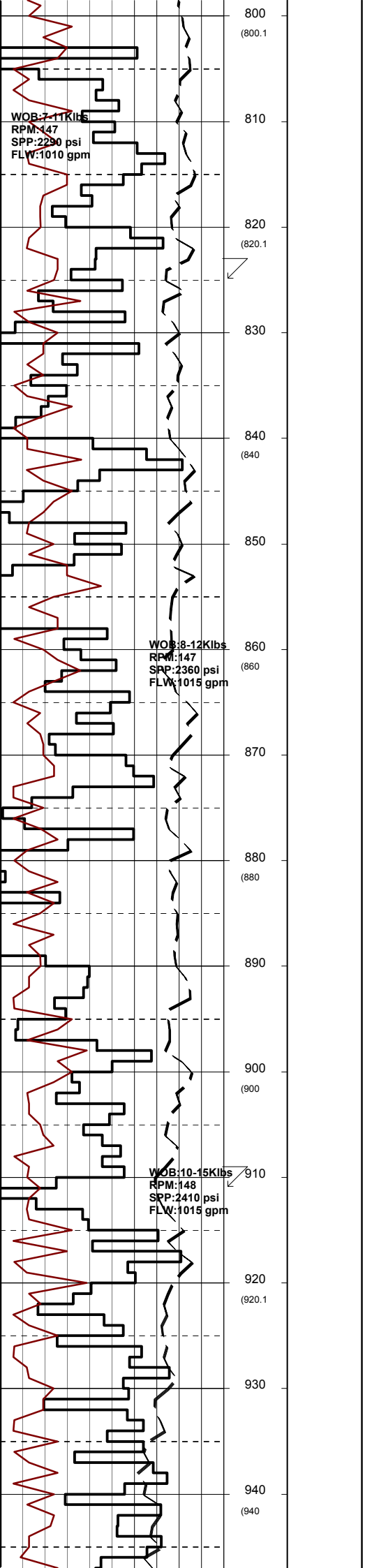
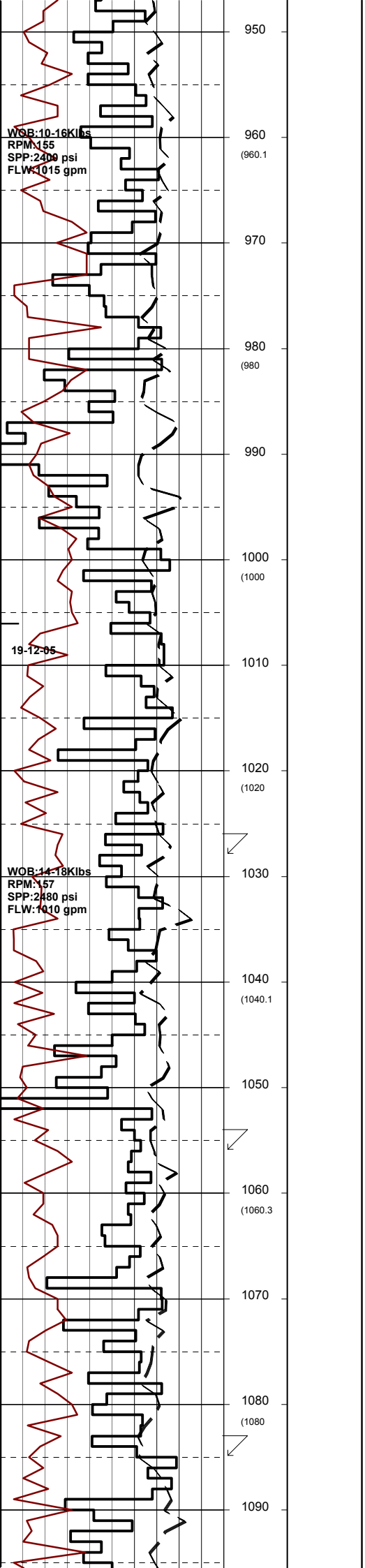
BIT #1RR: REED T11
SIZE:445mm
JETS:3x22,1x16
IN:650m OUT: m
RUN: m HRS:
COND: IN HOLE
RETURNS TO SEA BED
DRILL FROM 650m TO XXXm
WITH SEAWATER,SWEEPING
THE HOLE WITH HI VIS MUD
Survey @ 682.0m: 1.26° 227.0Az
DRILL WITH SEAWATER
AND HI-VIS SWEEPS.
RETURNS TO SEAFLOOR.
Survey @ 767.7m: 0.81° 263.6Az



Survey @ 825.0m: 0.93° 254.6Az

DRILL WITH SEAWATER
AND HI-VIS SWEEPS.
RETURNS TO SEAFLOOR.

Survey @ 911.2m: 1.09° 257.5Az



WOB:10-16Klbs
RPM:155
SPP:2400 psi
FLW:1015 gpm

WOB:14-18Klbs
RPM:157
SPP:2480 psi
FLW:1010 gpm

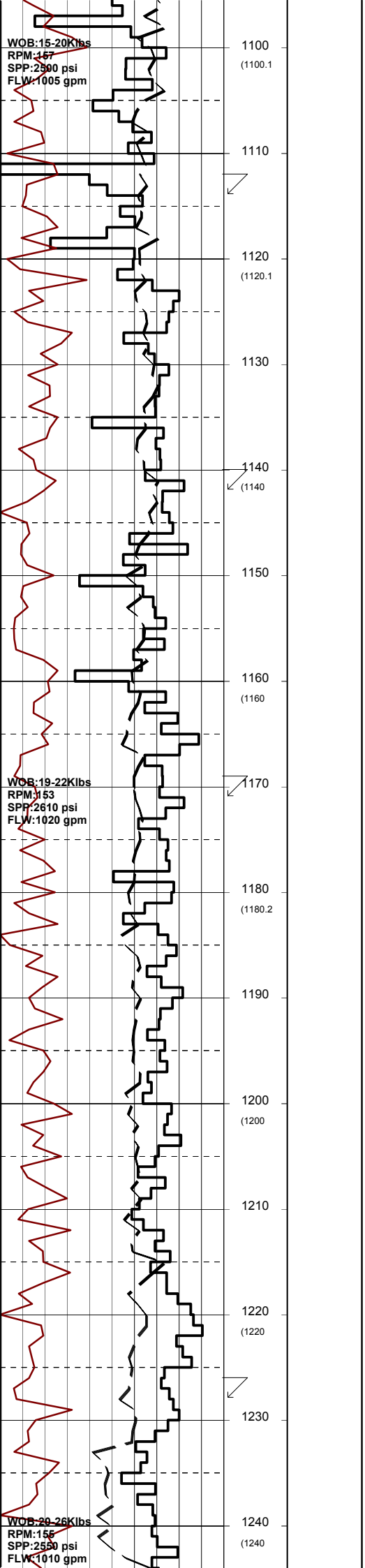
DRILL WITH SEAWATER AND HI-VIS SWEEPS. RETURNS TO SEAFLOOR.

Survey @ 1027.8m: 0.85° 252.6A

DRILL WITH SEAWATER AND HI-VIS SWEEPS. RETURNS TO SEAFLOOR.

Survey @ 1056.5m: 0.79° 254.0A

Survey @ 1085.2m: 0.77° 260.6A



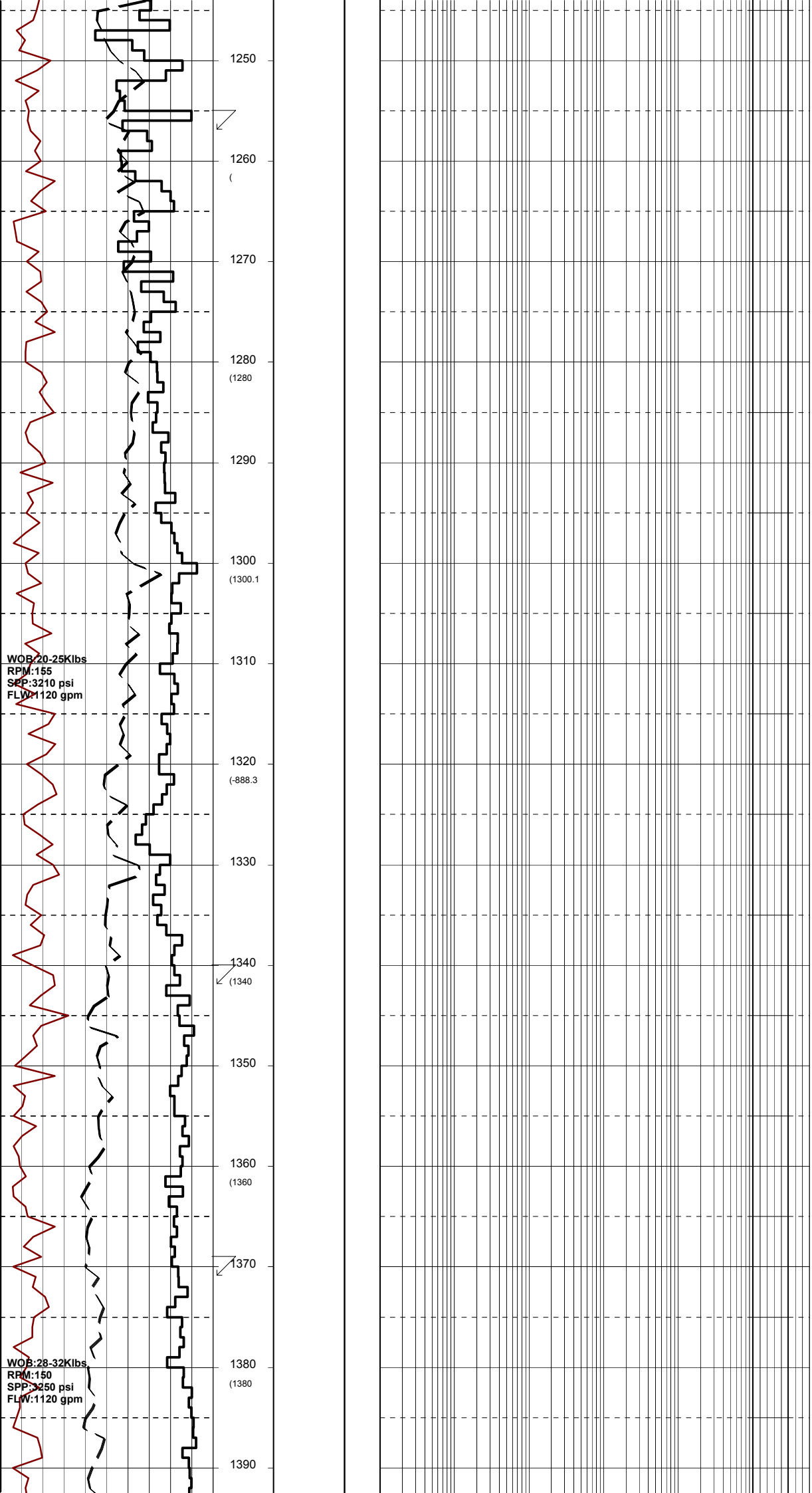
Survey @ 1113.8m: 0.62° 255.1A

Survey @ 1142.5m: 0.51° 257.7A

DRILL WITH SEAWATER
AND HI-VIS SWEEPS.
RETURNS TO SEAFLOOR.

Survey @ 1171.1m: 0.43° 257.6A

Survey @ 1228.4m: 0.22° 250.9A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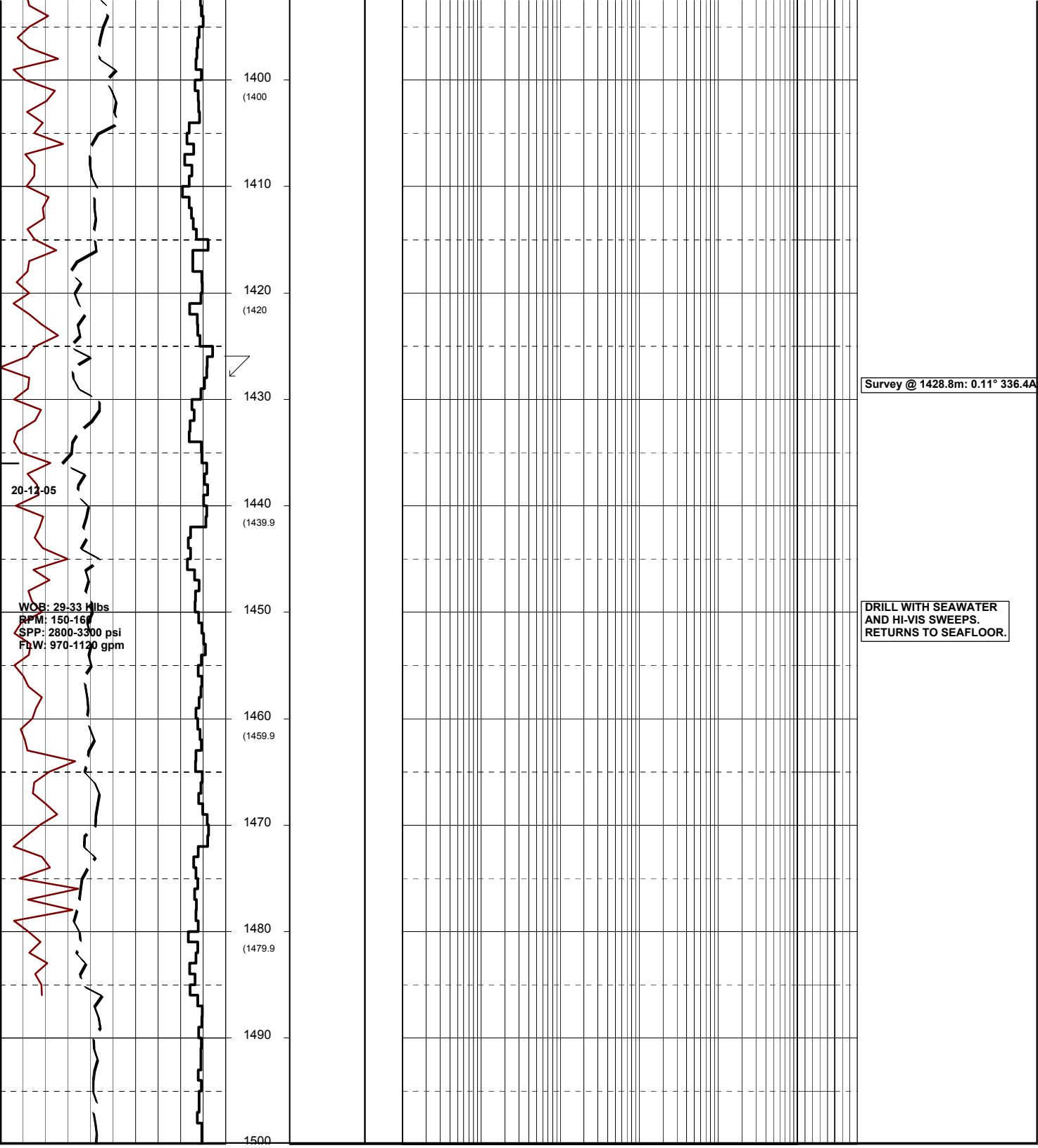
WOB:20-25Klbs
RPM:155
SPP:3210 psi
FLW:1120 gpm
WOB:28-32Klbs
RPM:150
SPP:3250 psi
FLW:1120 gpm
DRILL WITH SEAWATER
AND HI-VIS SWEEPS.
RETURNS TO SEAFLOOR.
Survey @ 1257.1m: 0.17° 244.4A
Survey @ 1342.8m: 0.06° 257.7A
DRILL WITH SEAWATER
AND HI-VIS SWEEPS.
RETURNS TO SEAFLOOR.
Survey @ 1371.5m: 0.03° 247.1A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1500
20-12-05
WOB: 29-33 klbs
RPM: 150-160
SPP: 2800-3300 psi
FLW: 970-1120 gpm
Survey @ 1428.8m: 0.11° 336.4A
DRILL WITH SEAWATER
AND HI-VIS SWEEPS.
RETURNS TO SEAFLOOR.