TIPPERARY OIL & GAS (AUSTRALIA) PTY LTD

FAIRVIEW 97

WELL COMPLETION REPORT

PL 91 - QUEENSLAND

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The Well Card (Table 1) provides a summary of the wells history.

Table 1 – Well Data Card.

WELL PARTICULARS

Location:	Latitude:	25:38:38.6 S	**Status:**	Cased & Suspended for Future Production	
	Longitude:	148:57:17.5 E			
	Easting (MGA):	696 362	**Rig:**	Mitchell Drilling	Rig 150
	Northing (MGA):	7 162 465			
Elevation:	GL:	481.0 metres	**Total Depth:**	Driller:	784.00 metres
	RT:	485.3 metres		Logger:	783.50 metres
Authority to Prospect:		PL 91	**Hole:**	**Size:**	**Depth:**
			(a) Conductor	445 mm	17.00 metres
Map:	Injune	1: 250000	(b) Surface	311 mm	198.00 metres
			(c) Production	216 mm	695.00 metres
				156 mm	784.00 metres
Date Spudded:	22:30 hours	23 August 2005			
Reached TD	15:30 hours	29 August 2005	**Casing:**	**Size – Grade:**	**Shoe Depth:**
Date rig release:	08:00 hours	16 September 2005	(a) Conductor	356 mm	17.00 metres
			(b) Surface	245 mm – 36# K55	195.60 metres
Type Structure:	Fault Bounded Terrace		(c) Production	178 mm – 23# NT80	690.00 metres

STRATIGRAPHIC UNITS PENETRATED

AGE	FORMATION	R.T. DEPTHS (m)	MSL DEPTHS (m)	THICKNESS (m)
Early Jurassic	Precipice Sandstone	84.62	400.68	49.00
Early Triassic	Rewan Formation	133.62	351.68	561.80
Late Permian	Bandanna Formation	695.42	-210.12	0.00
Late Permian	'A' Coal	695.42	-210.12	21.81
Late Permian	'B' Coal	717.23	-231.93	22.77
Late Permian	'C' Coal	740.00	-254.70	15.59
Late Permian	'D' Coal	755.59	-270.29	11.76
Late Permian	'E' Coal	767.35	-282.05	16.65
	T.D.	**784.00**	**-298.70**	

NET COAL PENETRATED

Coal	Top (m RT)	Base (m RT)	Gross (m)	Net (m)
Bandanna 'A'	695.42	696.09	0.67	0.67
Bandanna 'B'	717.23	721.73	4.50	4.50
Bandanna 'C'	740.00	742.00	2.00	2.00
Bandanna 'D'	755.59	760.95	5.36	5.36
Bandanna 'E'	767.35	768.89	2.54	2.54
Total			**15.07**	**15.07**

WIRELINE LOGS

Suite1: Run 1 – TLD-GR Intermediate hole run			
Type Log	**Run**	**Interval**	**Max. BHT**
Gamma	1.1	695.04-195.34	39°C
Caliper	1.1	695.04-195.34	
Density	1.1	695.04-195.34	

Suite1: Run 2 – TDL-GR Production hole run			
Type Log	**Run**	**Interval**	**Max. BHT**
Gamma	2.1	782.50– 691.00	52°C
Caliper	2.1	782.50– 691.00	
Density	2.1	782.50– 691.00	

1.0 INTRODUCTION

Fairview 97 is located within the producing coal seam gas field, Fairview, in the Bowen Basin. The nearest town is Injune which is approximately 50 km away. The well is located 1.45km south-east of Fairview 52 and 1.8km east of Fairview-34. The location lies east of the Comet Ridge platform crest. The well is spaced along the east-west 2 kilometre grid of the current field development plan. Its location is illustrated in Figure 1.

The well intersected a thin sequence of the Surat Basin comprising the Early Jurassic Precipice Sandstone, followed by the Bowen Basin's Early Triassic Rewan Formation sediments, and finally the Bandanna Formation. The primary objectives for the well were the B and D coals in the Late Permian Bandanna Formation. The B and D coals in Fairview-52 are 5.8 metres and 4.6 metres thick respectively; the gross reservoir interval is 44.5 metres. Fairview-34 to the west had a slightly thicker gross coal section (54.8 metres) and the B and D coals at this location are 4.2m and 5.2m respectively. Relatively consistent coal thicknesses development across the Field, however, indicates a low risk play. Prognosis of this section was based on seismic line CR95A-04 and depth conversion using regional velocity data and previous well data in the area. However the Fairview 97 well intersected the Bandanna coals higher than prognosed. The recently drilled Fairview's 96 and 94 to the northeast of this location, flowed gas at rates up to 1 mmscf/d during cavitation and clean up operations.

Fairview 97 spudded at 2230 hours, 23rd August 2005, and surface hole (311 mm) was air drilled to 198.0 metres. Surface casing (244 mm) was set at 195.6 metres and cemented to surface to protect the Precipice Sandstone aquifers. The production hole - intermediate section (216 mm), was air drilled to 695.0 metres. After logging this section, the well was cased and cemented with 178 mm production casing with the shoe set at 690.0 metres. The production - open hole section (156 mm), then continued to be drilled to T.D. of 784.0 metres (D), 783.5 metres (L). The production – open hole section was logged, with the Bandanna coal section then under reamed (from 156mm to 221 mm) between 692-776 metres. The well was then cavitated, cleaned and tested before being suspended for future coal seam gas production T.D. was reached at 1530 hours, 29th August 2005.

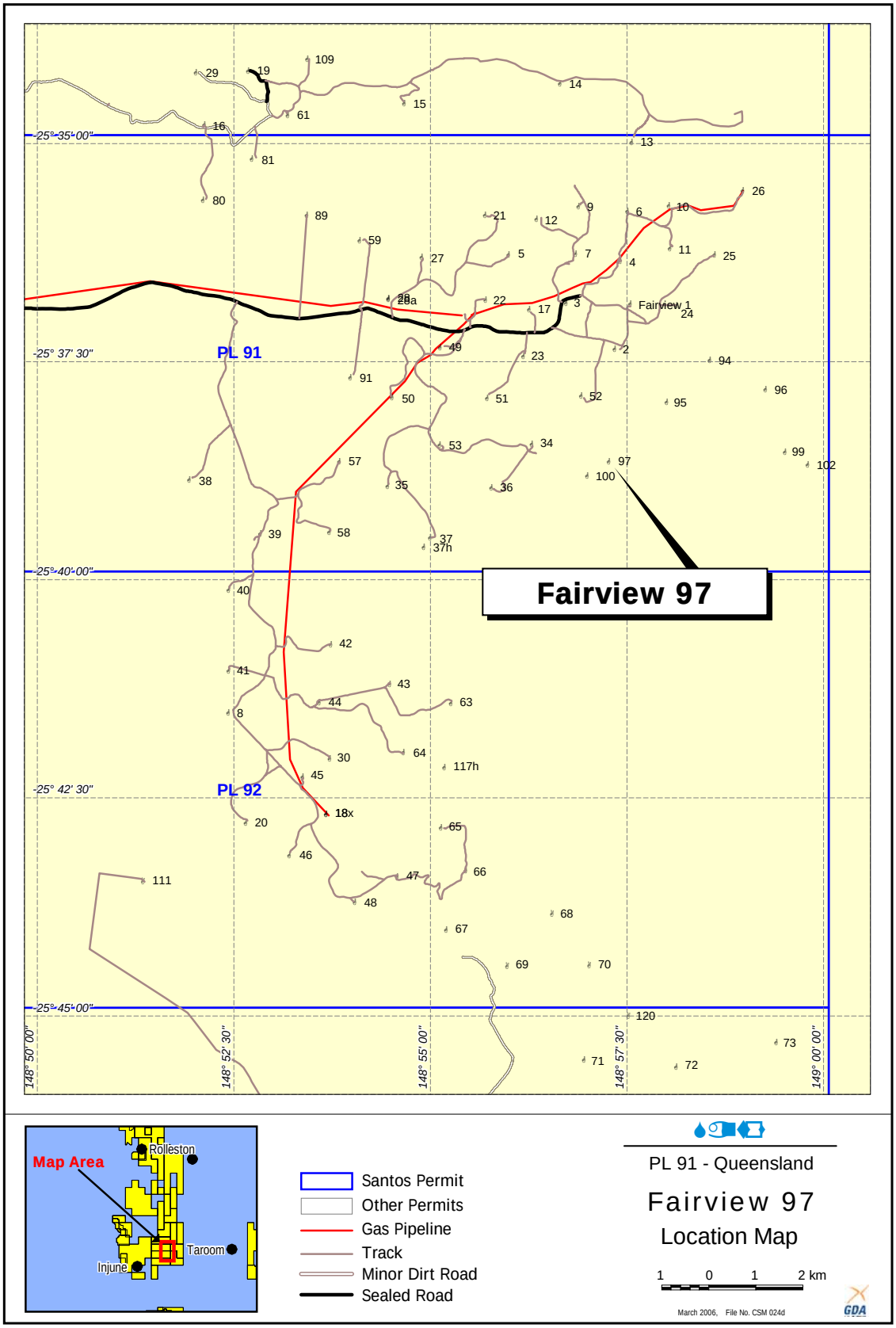
The rig was released at 0800 hours, 16th September 2005.

2.0 WELL HISTORY

2.1 General Data

2.1.1	Well Name and Number:	FAIRVIEW 97
2.1.2	Location:	Latitude: 25º 38' 38.6" S Longitude: 148º 57' 17.5" E AMG Easting: 696 362 AMG Northing 7 162 465
2.1.3	Elevations:	G.L.: 481.0 A.S.L. R.T.: 485.3 A.S.L.
2.1.4	Petroleum Tenement:	PL 91
2.1.5	Permit Operator:	TIPPERARY OIL AND GAS (AUSTRALIA) PTY LTD A.C.N. 077 536 871 Level 20 307 Queen Street, Brisbane Queensland 4000 Tel: (07) 3229 5774
2.1.7	Date Drilling Commenced:	22:30 hours 23rd August 2005
2.1.8	Date Drilling Completed:	15:30 hours 29th August 2005
2.1.9	Date Rig Released:	08:00 hours 16th September 2005
2.1.10	Drilling time to T.D.:	5.71 days
2.1.11	Total Depth:	Driller: 784.0 m Logger: 783.5 m
2.1.12	Status:	Suspended as Future CSM Production Well

Figure 1. Location Map



2.2 Drilling Data

2.2.1 Drilling Data Summary

Below is the operations summary for Fairview 97. It has been compiled from the tour sheets and daily drilling reports (Appendix 1). T. Franks and D. York provided onsite drilling supervision for Tipperary Oil and Gas (Australia) Pty Limited. Further details are provided in the time/depth curve (Figure 2).

Surface Hole
Size: 311 mm
Interval: 17 – 198 m
Drilling Fluid: Air and Water

Fairview 97 was spudded at 22:30 hours Tuesday 23rd August 2005, using the Mitchell Drilling Contractors Rig 150. The 311 mm hole section was drilled to 198 metres with surveys. A total of 15 joints of 245 mm 53.57 kg/m K55 surface casing were run, set at 195.6 metres, and cemented with 46bbl at 13.5ppg lead, 31bbl at 15.6ppg tail, displaced with 47bbl, good cement returns to surface.

The BOP's were nippled up and function and pressure tested. The BOP and choke manifold were all pressure tested to 250/1500 psi. After running in the pipe rams and HCR, the annular were pressure tested to 250/1000 psi and shoe track was drilled out.

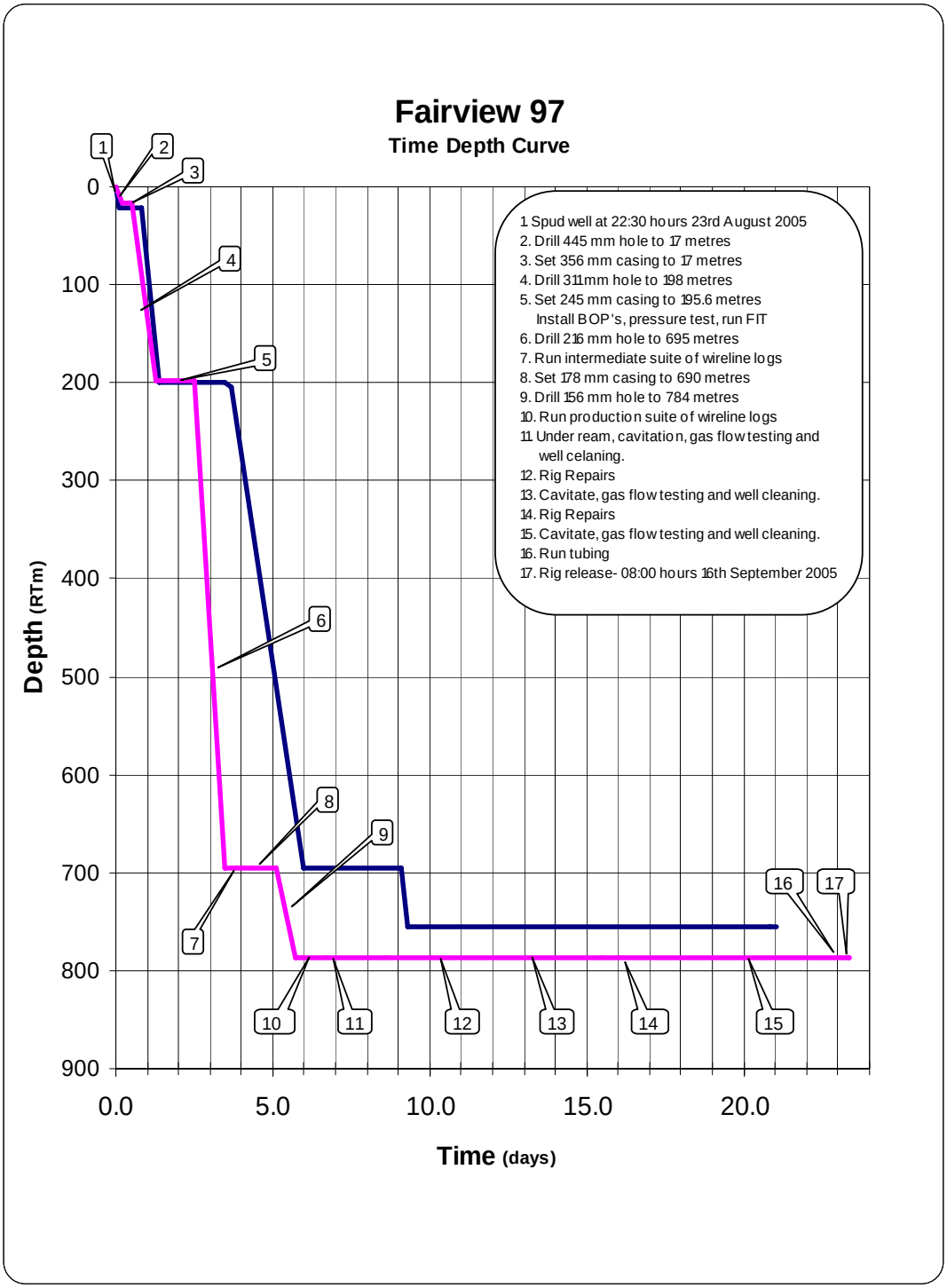
Production Hole – Intermediate Section
Size: 216 mm
Interval: 198 – 695 m
Drilling Fluid: Air and Water

After drilling out the shoe, the 216 mm hole was drilled to 695 metres and the hole circulated clean. The hole was then displaced with 3% KCl-Polymer mud.

The 216 mm intermediate section was drilled to 695 metres with surveys. A wiper trip to the shoe was run prior to pulling out of hole to run wireline logs. Wireline logs consisted of: TLD-GR.

A total of 55 joints of 178 mm 34.22 kg/m NT 80 HE production casing being run, set at 690 metres, and cemented with 127sx with 6%gel add lead, 150sx with 2% HR-5 add tails, displace with 90bbl.

Figure 2: Time-Depth Curve



Production Hole – Open Hole Section

Size: 156 mm
Interval: 695 – 784 m
Drilling Fluid: Air and Water

After drilling out the shoe, the 156 mm open hole section was drilled to T.D. at 784 metres with four coal seam intersections by drilling breaks between 694m-695.5m, 716m-721m, 740m-742m and 754m-759m. A wiper trip to the shoe was run prior to pulling out of hole to run wireline logs. Wireline logs consisted of: TDL-GR.

After the open-hole wireline logging suite, the hole was under reamed from 692m-776m and then cavitated, cleaned and flow tested.

Total Depth was reached at 15:30 hours 29th August 2005.

The well was cased and suspended for future CSM production.

The rig was released at 08:00 hours, 16th September 2005.

2.2.2 Casing and Cementing

Refer to Figure 3 for Well Schematic, Table 2 below for casing and cementing summary, and Appendix 3 for detailed Casing and Cementing Sheets..

Table 2. Casing and Cementing Summary

Surface		
Hole/Casing Size	-	311 mm / 245 mm (12¼" / 9⅝")
Weight	-	53.57 kg/m
Grade	-	K55
Shoe Setting Depth	-	194.87m
Quantity of Cement	-	46bbl at 13.5ppg lead, 31bbl at 15.6ppg tail, displaced with 47bbl
Interval Cemented	-	To surface
Production		
Hole/Casing Size	-	216 mm / 178 mm (8½" / 7")
Weight	-	34.22 kg/m
Grade	-	NT 80 HE
Shoe Setting Depth	-	695.0 m
Quantity of Cement	-	127sx with 6%gel add lead, 150sx with 2% HR-5 add tails, displace with 90bbl.
Interval Cemented	-	695 to 150 m estimated

2.2.3 Deviation Surveys

Refer to Table 3 below for summary of survey data.

Figure 3: Well Schmatic

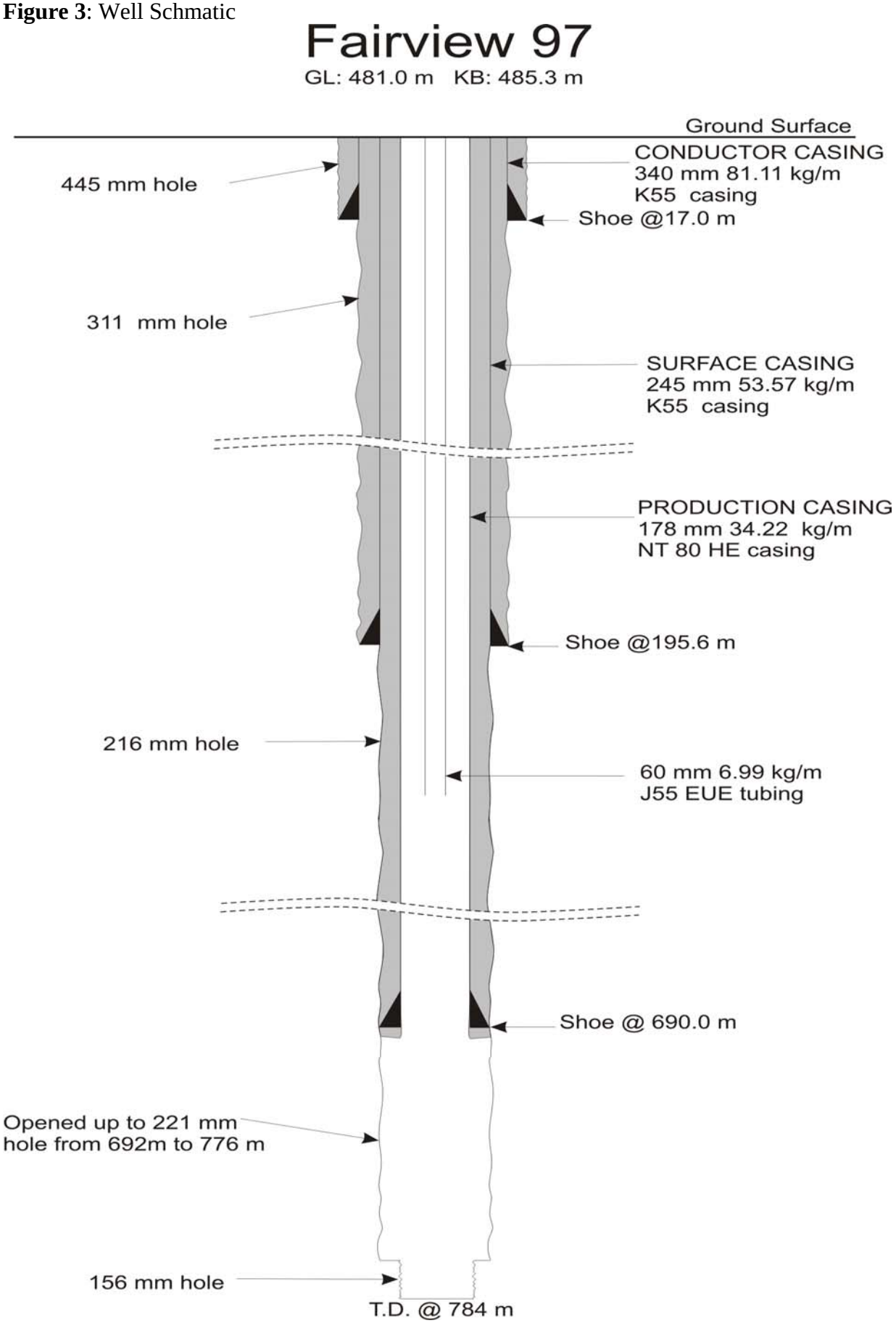


Table 3. Deviation Survey Data

Depth (metres)	Deviation (degrees)	Depth (metres)	Deviation (degrees)	Depth (metres)	Deviation (degrees)
32	0.50	254	0.75	518	0.25
76	0.25	313	0.50	616	0.25
129	0.50	411	-	694	0.125
198	0.50	421	0.00		

2.2.4 Drilling Fluid Data

The well was drilled with air and water, and displaced with 3% KCL water prior to logging the production – intermediate section suite of wireline logs (695 metres).

2.2.5 Water Supply

Water was obtained from a nearby production well.

2.3 Logging and Testing

2.3.1 Well site Geologist

There was no no-site geologist on this well.

2.3.2 Mud logging

No mud logging was carried out on this well.

2.3.3 Ditch Cutting Samples

No cuttings were collected from this well.

2.3.4 Wireline Logs

Schlumberger ran two suites of logs (see Appendix 2) which as summarised in Table 4.

Table 4 – Wireline Logs Summary

Suite1 – Intermediate run:

1.1	Gamma	695.04-195.34
1.1	Caliper	695.04-195.34
1.1	Density	695.04-195.34

Suite2 – Production hole run:

2.1	Gamma	782.50– 691.00
2.1	Caliper	782.50– 691.00
2.1	Density	782.50– 691.00

2.3.5 Temperature Surveys

Wireline logging recorded the following bottom hole temperatures:

1.1 39°C at 695.04 m.

2.1 52°C at 782.50 m.

3.0 GEOLOGY

3.1 Reasons for Drilling

Fairview 97 is located in the Bowen Basin, within the producing coal seam gas field, Fairview. The area straddles the Comet Ridge, between the Taroom Trough to the east and the Denison Trough to the west. Generally, wells in this region intersect only the basal Jurassic units of the Surat Basin, unconformably overlying the Triassic sediments of the Bowen Basin. Within the area of the Fairview Field, the uppermost formations of the Bowen Basin are generally absent, with the Rewan Formation intersected immediately below the Jurassic sequence.

The well is situated between Fairview 34, Fairview 52 and Fairview 2 (1.45km south-east of Fairview 52 and 1.8km east of Fairview-34) in PL 91, and provides data on reservoir pressures, coal development and seismic velocity to the Bandanna Formation. The well lies east of the Comet Ridge platform crest, west of the down-to-the-east fault that interrupts the Bandanna section, and is spaced along the east-west 2 kilometre grid of the current field development plan. The recently drilled Fairview's 96 and 94 to the northeast of this location, flowed gas at rates up to 1 mmscf/d during cavitation and clean up operations.

The primary objective for the well was coals in the Permian Bandanna Formation. The B and D coals in Fairview 52 are 5.8 metres and 4.6 metres thick respectively; the gross reservoir interval is 44.5 metres. Fairview-34 to the west has a slightly thicker gross coal section (54.8 metres) and the B and D coals at this location are 4.2m and 5.2m respectively

Relatively consistent coal thicknesses across the field indicated a low risk play. Prognosis of this section was based on seismic line CR95A-04 and depth conversion using regional velocity data and previous well data in the area. However the Fairview 97 well intersected the Bandanna coals higher than prognosed (Table 5).

3.2 Reservoir

The Bandanna coal, forming the Comet Ridge coal seam gas play, was the primary target in Fairview 97. However, detailed description of the coals is not possible as no samples were collected from this well. The target seams, Bandanna B and D, were 4.50m and 5.36m thick respectively, as picked from the wireline logs. Small gas flares were recorded in the Daily Drilling Reports on connections whilst under reaming (flares 5-6 metres for up to 10 seconds), when unloading the well during the flush. Gas flares up to 4 metres were commonly recorded for up to 2 minutes when unloading the well during the cavitation, cleaning and gas flow testing process. Gas rates reached a maximum of 54 Mcf/day.

It is worth noting that the secondary target for this well, the Rewan sandstones, recorded a gas flare on connection whilst intersecting the intervals approximately between 313-411 metres, with a flare up to 5m over a 10 second period.

3.3 Stratigraphic Prognosis

The stratigraphic prognosis was made utilising the results of the closest wells. A comparison between prognosed and actual formation tops is given below in Table 5.

Table 5 – Stratigraphy Summary

Formation	Predicted (m RT)	Actual (m RT)	Difference (m)
Precipice Sandstone	Surface	84.62	-
Rewan Formation	154.00	133.62	20.38 (L)
Bandanna Formation	721.30	695.42	25.88 (H)
‘A’ Coal	-	695.42	-
‘B’ Coal	721.30	717.23	4.07 (H)
‘C’ Coal	-	740.00	-
‘D” Coal	753.00	755.59	2.59 (L)
‘E” Coal	762.00	767.35	5.35 (L)
T.D.	**789.00**	**784.00**	**5.00 (H)**

4.0 DISCUSSION AND CONCLUSIONS

In Fairview 97 the top of the Bandanna Formation was intersected almost 26 metres higher than prognosed. The well encountered coals seams of normal Bandanna thicknesses with gas flows whilst unloading and cleaning the well. Also, a gas flare was recorded in the Rewan sandstone on connections, which may also be worth further investigation further.

Fairview 97 was cased and suspended for future connection to the Fairview network, for production of coal seam methane

5.0 REFERENCES

Tipperary Oil and Gas (Australia) Pty Ltd: Fairview 97 Drilling Programme, PL91, unpublished report prepared for Tipperary Oil and Gas (Australia) Pty Ltd, July 2005.

Tipperary Oil and Gas (Australia) Pty Ltd: Fairview 97 Well Proposal Report, PL91, unpublished report prepared for Tipperary Oil and Gas (Australia) Pty Ltd, July 2005.

6.0 ACKNOLODGEMENTS

Assistance from Peter Vobr in the compilation of data for this report is acknowledged. Also, John Maguire, for producing the location plan of the well.

APPENDIX 1

Daily Drilling Reports

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Monday August 22 2005	Drilled to:	0
Town:	Injune	Basin:	Bowen	Days:	RM1	Drilled from:	0
Permit:	PL91			Rig:	Mitchell Drilling 150	Footage:	0
Location:				Elevation:		Formation	
Lat / Long:				Supervisor:	Dave York		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
Bit #	In	Out	Feet	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure
1	Soilmec	7TS600	6		2.44gps	

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING / **GAS DATA-DRILLING**

Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location	$30,000	$30,000
Rig move		$0
Rig		$0
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$60
Mud		$0
Mud Logger		$0
Transportation		$0
Water		$0
Labor		$0
Supervision	$1,000	$1,000
Core/DST		$0
Logs		$0
Cement		$0
Fishing		$0
Misc 4x4	$200	$200
Casing		$0
Tubing		$0
Rods		$0
Wellhead		$0
TOTAL	$31,260	$31,260

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill:
							Gas Rate:
							Water Rate:
							Returns:

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
01:00-24:00	Rig Move from FV# 95 to FV# 97		
	Rig carrier spotted, mast and floor up, doghouse up		
	koomey/gen trailer spotted & rigged up, 2 of 3 location		
	buildings spotted & rigged up, sundry equipment and		
	tubulars spotted on location		
	100% rigged down		
	80% moved		
	40% rigged up		

BHA DATA:

OPERATION @ 6 AM: Rig move from FV#95 to FV#97

Safety

DWLTI	271	**Safety Meetings**	PTSM: Rig Moving, Loading trucks, Spotting equipment

REMARKS:

Rig Time: 23 hrs Rig Move

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Tuesday August 23 2005	Drilled to:	0
Town:	Injune	Basin:	Bowen	Days:	RM2	Drilled from:	0
Permit:	PL91			Rig:	Mitchell Drilling 150	Footage:	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Dave York		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
Bit #	In	Out	Feet	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure
1	Soilmec	7TS600	6			

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING / GAS DATA-DRILLING

Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$0
Rig		$0
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$120
Mud		$0
Mud Logger		$0
Transportation		$0
Water		$0
Labor		$0
Supervision	$1,000	$2,000
Core/DST		$0
Logs		$0
Cement		$0
Fishing		$0
Misc 4x4	$200	$400
Casing		$0
Tubing		$0
Rods		$0
Wellhead		$0
TOTAL	$1,260	$32,520

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill:
							Gas Rate:
							Water Rate:
							Returns:

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-17:30	Rigging up on FV# 97		
	Conduct repairs on hydraulic system		
	Change out choke manifold valve		
17:30-19:00	Drill & sock mousehole		
19:00-20:00	Rig service		
20:00-21:30	Pre-spud checks and pre-spud meeting		
21:30-22:30	Make up 17 1/2" drilling assy.		
	100% moved		
	100% rigged up		

BHA DATA:

OPERATION @ 6 AM: Rig up blooie line

Safety

DWLTI	272	**Safety Meetings**	PTSM: Rigging up, Pre-spud safety meeting

REMARKS:

Rig Time 22.5hrs Rig Move

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Tuesday August 23 2005	Drilled to:	12
Town:	Injune	Basin:	Bowen	Days:	Day1	Drilled from:	0
Permit:	PL91			Rig:	Mitchell Drilling 150	Footage:	12
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Precipice Sand
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Dave York		

Bit #	Size	Make	Type	Serial #	Jets	Cond
Bit #	**In**	**Out**	**Feet**	**Hours**	**WOB**	**RPM**

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	**% Water**	**% Solids**	**pH**	**Ca**	**Cl**	**LCM**

AIR DATA-DRILLING			**GAS DATA-DRILLING**			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move	$35,000	$35,000
Rig	$13,000	$13,000
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental		$120
Mud		$0
Mud Logger		$0
Transportation		$0
Water		$0
Labor		$0
Supervision		$2,000
Core/DST		$0
Logs		$0
Cement		$0
Fishing		$0
Misc 4x4		$400
Casing		$0
Tubing		$0
Rods		$0
Wellhead		$0
TOTAL		$80,520

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill:
							Gas Rate:
							Water Rate:
							Returns:

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
	RIG MOVE FROM FV#95		
22:30- 24:00	Drill 17 1/2" hole 0 - 11.65m.		

BHA DATA: 17 1/2" hammer, bit sub, 1 x 8"D/C

OPERATION @ 6 AM: Rig up blooie line

Safety

DWLTI	272	**Safety Meetings**	Pre-spud safety meeting

REMARKS:

Rig Time 1.5hrs operating

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Wednesday August 24 2005	Drilled to:	149
Town:	Injune	Basin:	Bowen	Days:	2	Drilled from:	12
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	137
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Precipice Sand
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Dave York / Tony Franks		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
1	17 1/2"	Halco	concave		open	used
2	12 1/4"	Halco	concave		open	used
Bit #	In	Out	Meters	Hours	WOB	RPM
1	12	17	5	2	1 T	15
2	17	in	132	10.5	3/4 T	18

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	
32m	1/2deg					
76m	1/4deg					
129m	1/2deg					

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation
1650cfm						Drilling

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$72,000	$72,000
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$180
Mud		$0
Mud Logger		$0
Transportation	$582	$582
Water d		$0
Labor		$0
Supervision	$2,000	$4,000
Core/DST		$0
Logs		$0
Cement		$0
Fishing		$0
Misc 4x4	$200	$600
Casing	$2,469	$2,469
Tubing		$0
Rods		$0
Wellhead		$0
TOTAL	$77,311	$144,831

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill:
							Gas Rate:
							Water Rate:
							Returns:

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-03:00	Drill 17" hole from 11m to 17m, clean out cellar,break	17:30-18:00	Drill 12.1/4" hole from 76m to 85m.
	and lay out 17" hammer.	18:00-18:30	Rig service.
03:00-04:00	RIH with 14" conductor and riser, line up & weld.	18:30-21:30	Drill 12.1/4" hole from 85m to 129m.
04:00-05:00	Mix and cement conductor in hole at 17m.	21:30-22:00	Circulate and survey @ 129m 1/2deg
05:00-10:00	Rig up flow line, blooie line,flare line and prima jet line,	22:00-23:30	Drill 12.1/4" hole from 129m to 149m. Water encounted at 130m
	geolograph line, survey unit and lay D/Cs on cat walk.	23:30-24:00	Change out stripper rubber.
10:00-10:30	Make up 12 1/4" hammer and RIH.		
10:30-12:00	Drill 12.1/4" hole from 17m to 25m.		**Rewan in at 144m**
12:00-12:30	Install stripper rubber.		
12:30-13:00	Drill 12.1/4" hole from 25m to 32m.		
13:00-13:30	Circulate and survey @ 32m 1/2deg		
13:30-17:00	Drill 12.1/4" hole from 32m to 76m.		
17:00-17:30	Circulate and survey @ 76m 1/4deg		

BHA DATA: 12 1/4"Hammer, bit sub, 2x8" d/c, stab, x/o, 12x6 1/4"d/c.

OPERATION @ 6 AM: Pulling out of hole with 12 1/4" hammer.

Safety

DWLTI	273	**Safety Meetings**	PTSM : Forklift operations, safety pins and Harnesses.

REMARKS:

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Thursday August 25 2005	Drilled to:	198
Town:	Injune	Basin:	Bowen	Days:	3	Drilled from:	149
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	49
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Rewan
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Tony Franks		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
2	12 1/4"	Halco	concave		open	used
Bit #	In	Out	Meters	Hours	WOB	RPM
2	17	198.6	181	15	1.5 T	25

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation
1800cfm						Drilling

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$36,000	$108,000
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$240
Mud		$0
Mud Logger		$0
Transportation		$582
Water d		$0
Labor		$0
Supervision	$1,000	$5,000
Core/DST		$0
Logs		$0
Cement		$0
Fishing		$0
Misc 4x4	$200	$800
Casing	$18,711	$21,180
Tubing		$0
Rods		$0
Wellhead	$5,000	$5,000
TOTAL	$60,971	$205,802

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill:
							Gas Rate:
							Water Rate:
							Returns:

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-00:30	Fit stripper rubber.	12:00-13:00	Hold safety meeting, cement 9 5/8" casing with 46bbl at 13.5ppg
00:30-05:00	Drill 12.1/4" hole from 150m to 198m.		lead, 31bbl at15.6ppg tail, displaced with 47bbl, good cmt returns
05:00-05:30	Circulate and survey @ 198m 1/2deg	13:00-17:00	Wait on cement.
05:30-07:00	POOH with 12 1/4" hammer, tight at 127m, worked free.	17:00-18:00	Rig down landing joint, Halliburton cmt head, riser.
07:00-07:30	Remove stripper rubber.	18:00-19:00	Make up 'A' section and ext spool.
07:30-08:00	Break & lay out stab, 2x8" D/C's, and hammer	19:00-21:30	Repair Rig hyd on rotary.
08:00-08:30	Rig up casing spinner and casing running equipment.	21:30-24:00	Rig up 11" BOP's.
08:30-09:30	RIH 15 joints 9 5/8 casing to 195.6m.		
09:30-10:00	Pump LCM pill and circ out of casing, returns to surface.		
10:00-10:30	Rig down cat walk wait on Halliburton.		
10:30-11:00	Rig down casing spinner.		
11:00-12:00	Rig up Halliburton cmt head and equipment.		

BHA DATA:

OPERATION @ 6 AM: Drill out shoe track.

Safety

DWLTI	274	**Safety Meetings**	PYSM : Running casing, cementing casing and nipple up BOP's.

REMARKS:

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Friday August 26 2005	Drilled to:	494
Town:	Injune	Basin:	Bowen	Days:	4	Drilled from:	198
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	296
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Rewan
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Tony Franks.		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
2	12 1/4"	Halco	concave		open	used
3	8.5"	Halco	concave		open	used
Bit #	In	Out	Meters	Hours	WOB	RPM
2	17	198	181	15	1.5 T	25
3	198	in	296	11.5	3/4 T	20

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$46,000	$154,000
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$300
Mud		$0
Mud Logger		$0
Transportation	$594	$1,176
Water d/		$0
Labor		$0
Supervision	$1,000	$6,000
Core/DST		$0
Logs		$0
Cement		$0
Fishing		$0
Misc 4x4	$200	$1,000
Casing		$21,180
Tubing		$0
Rods		$0
Wellhead		$5,000
TOTAL	$47,854	$253,656

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	
254m	3/4deg		421m	0deg		
313m	1/2deg					
411m	miss run					

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING

Air Rate	Foam Rate	Foam Mix
1800cfm		

GAS DATA-DRILLING

Depth	Flare	Duration	Operation
			Drilling

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set
14"	line pipe			1	12m	17m
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m

Comments

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate

Comments

Fill:

Gas Rate:

Water Rate:

Returns:

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-01:30	Nipple up BOP's, function test, square up & chain off.	12:00-13:30	Drill 8.5" hole from 224m to 254m.
01:30-03:00	Pressure test Blind & pipe rams, choke, HCR 250psi	13:30-14:00	Circulate and survey @ 254m 3/4deg
	L / 1500psi H, annular 250psi L / 1000psi H OK	14:00-16:00	Drill 8.5" hole from 254m to 313m.
03:00-03:30	Replace non return valve.	16:00-16:30	Circulate and survey @ 313m 1/2deg
03:30-05:00	Make up THD subs, 8.5" bit, BHA, RIH to 181m.	16:30-20:00	Drill 8.5" hole from 313m to 411m.(5m gas flare for 10sec on conn)
05:00-07:00	Tag cement at 181m, drill out plug and shoe track.	20:00-20:30	Circulate and survey @ 411m miss run
07:00-07:30	Drill 5m of new hole ot 203m.	20:30-21:00	Drill 8.5" hole from 411m to 421m.
07:30-08:00	Run F.I.T. to 12ppg EMW.	21:00-21:30	Circulate and survey @ 421m 0 deg
08:00-09:30	POOH with bit to change to hammer.	21:30-24:00	Drill 8.5" hole from 421m to 494m.
09:30-10:00	Rig service.		
10:00-10:30	RIH with 8.5" Hammer.		
10:30-11:00	Fit stripper rubber.		
11:00-12:00	Unload well, blow well dry, Drill 8.5" hole from 203m		
	to 224m.		

BHA DATA: Hammer, bit sub, 2x8" d/c, stab, x/o, 12x6 1/4"d/c, x/o.

OPERATION @ 6 AM: Drilling 8.5" hole at 624m.

Safety

DWLTI	275	**Safety Meetings**	PTSM : Pressure testing, drilling with air.

REMARKS:

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Saturday August 27 2005	Drilled to:	695
Town:	Injune	Basin:	Bowen	Days:	5	Drilled from:	494
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	201
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Rewan
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Tony Franks.		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
2	12 1/4"	Halco	concave		open	used
3	8.5"	Halco	concave		open	used
Bit #	In	Out	Meters	Hours	WOB	RPM
2	17	198	181	15	1.5 T	25
3	198	695	497	19.5	1.5 T	25

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	
518m	1/4deg					
616m	1/4deg					
694m	1/8deg					

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation
1800cfm						Drilling

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$46,000	$200,000
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$360
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d/		$0
Labor		$0
Supervision	$1,000	$7,000
Core/DST		$0
Logs	$10,800	$10,800
Cement		$0
Fishing		$0
Misc 4x4	$200	$1,200
Casing	$45,363	$66,543
Tubing		$0
Rods		$0
Wellhead		$5,000
TOTAL	$103,423	$357,079

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	23lb/ft	K55	15	197.3m	195.6m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill:
							Gas Rate:
							Water Rate:
							Returns:

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-01:00	Drill 8.5" hole from 494m to 518m.	15:00-15:30	Lay out drill collars, service hammer.
01:00-01:30	Circulate and survey @ 518m 1/4deg	15:30-16:00	Rig up Schlumberger equipment and hold safety meeting.
01:30-05:00	Drill 8.5" hole from 518m to 616m.	16:00-19:00	Log well with TLD- GR.
05:00-05:30	Circulate and survey @ 616m 1/4deg	19:00-19:30	Rig down Schlumberger equipment.
05:30-06:00	Drill 8.5" hole from 616m to 625m.	19:30-20:00	Generat 4m fill with gravel pack 12 buckets.
06:00-07:00	Rig repair no rotary.	20:00-20:30	Rig up to run 7" casing.
07:00-10:00	Drill 8.5" hole from 625m to 695m. (coal at 694m)	21:30-23:00	Run 55 joints of 7" casing to 690m.
10:00-11:00	Wiper trip to 469m and back to 694m, no fill.	23:00-23:30	Circulate and condition hole.
11:00-11:30	Rig service.	23:30-24:00	Rig down casing spinner.
11:30-12:00	Survey at 694m 1/8deg.		
12:00-12:30	Displace hole to 3% KCL water.		
12:30-14:30	POOH with 8.5 hammer to log.		
14:30-15:00	Chang out power tong dies.		

BHA DATA: Hammer, bit sub, 2x8" d/c, stab, x/o, 12x6 1/4"d/c, x/o.

OPERATION @ 6 AM: Wait on cement.

Safety

DWLTI	276	**Safety Meetings**	PTSM : Using wire line unit, logging and running casing.

REMARKS:

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Sunday August 28 2005	Drilled to:	695
Town:	Injune	Basin:	Bowen	Days:	6	Drilled from:	695
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Tony Franks.		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
3	8.5"	Halco	concave		open	used
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM
3	198	695	497	19.5	1.5 T	25
4RR	695	in	0	0	0	0

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING

Air Rate	Foam Rate	Foam Mix

GAS DATA-DRILLING

Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$28,933	$228,933
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$420
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d/1783	$528	$528
Labor		$0
Supervision	$1,000	$8,000
Core/DST		$0
Logs		$10,800
Cement		$0
Fishing		$0
Misc 4x4	$200	$1,400
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead	$9,838	$14,838
TOTAL	$40,559	$397,638

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	36lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill:
							Gas Rate:
							Water Rate:
							Returns:

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-00:30	Rig up cement head, hold safety meeting.	10:00-11:30	Nipple up 7-1/16" BOP's and square up to flare pit.
00:30-02:00	Cement 7" casing, with 127sx with 6% gel add lead,	11:30-14:30	Rig up blooie line, choke lines, install front end, function test
	150sx with 2% HR-5 add tail, displace with 90bbl.		BOP's, strap and measure 12 4-3/4"drill collars.
	circulating pressure was 671psi, float did not hold.	14:30-16:00	Pressure test top and bottom blind rams, choke manifold to
02:00-02:30	Nipple down BOP's and lift, set 7" casing slips with		250psi low, 1500psi high good.
	string weight.	16:00-17:00	Make up bit, BHA and run in hole to 330m.
02:30-06:00	Float not holding, hold pressure on casing locked in	17:00-19:30	Rig repair, hyd rotary torque.
	at cement head, wait on cement.	19:30-21:30	Pressure test top pipe rams, HCR, kill lines, 250psi low,
06:00-06:30	Bleed down casing and rig down Halliburton.		1500psi high, hydrill 250psi low, 1000psi high.
06:30-07:00	Drain casing and rough cut 7" casing , lay out cut off.	21:30-22:30	Repair 3" stand pipe valve.
07:00-08:30	Nipple down 11" BOP's and lay out, final cut and dress	22:30-23:00	Pressure test bottom pipe rams 250psi low, 1500psi high OK.
	casing stub.	23:00-23:30	Install stripper rubber, displace hole to air.
08:30-09:30	Nipple up 'B' section	23:30-24:00	Change out pup joint in blooie line, leaking.
09:30-10:00	Pressure test 'B' section to 3000psi OK.		

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Drilling 6-1/8" hole at 700m

Safety

DWLTI	277	**Safety Meetings**	PTSM : Cleaning casing, weekly general safety meeting with both crews.

REMARKS:

Rig rate: Turnkey sum $216,875 plus 7.5 hrs operating w/out pipe, 6hr W/pipe, 3.5 hrs rig repair. Rough cut 7" casing and turned over to day rate at 07:00 hr.

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Monday August 29 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	7	Drilled from:	695
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	89
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Tony Franks.		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
3	8.5"	Halco	concave		open	used
4RR	6-1/8"	HTC	STX-1	5034253	open	used

Bit #	In	Out	Meters	Hours	WOB	RPM
3	198	695	497	19.5	1.5 T	25
4RR	695	784	89	7	6 T	80

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation
1800cfm						Drilling

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$18,546	$247,479
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$480
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d/1785	$1,650	$2,178
Labor		$0
Supervision	$1,000	$9,000
Core/DST		$0
Logs	$11,482	$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$1,600
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$32,938	$430,576

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	36lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill:
							Gas Rate:
							Water Rate:
							Returns:

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-00:30	Rig up separator.		with small gas flares when unloading well and on connections
00:30-01:00	Repair hyd, no rotary.	13:30-15:30	Drill 6-1/8" hole F/- 761m to 784m, TD
01:00-01:30	RIH tag cement at 668m.	15:30-16:00	Wiper trip to casing shoe.
01:30-02:00	Drill out plug at 678m.	16:00-18:30	POOH with 6-1/8" bit to log.
02:00-04:00	Rerair hyd, no rotary.	18:30-19:30	Lay out stripper rubber body, rig up loggers equipment, hold
04:00-05:30	Drill float and shoe track.		safety meeting
05:30-06:30	Drill 6-1/8" hole to 699m, flow test coal F/- 694 to	19:30-22:00	Log well with TLD-GR.
	695.5m no flow water or gas.	22:00-23:00	Rig down Schlumberger, rig up stripper rubber body.
06:30-08:30	Drill 6-1/8" hole F/- 699m to 723m, flow test coal from	23:00-24:00	Make up under reamer, BHA and RIH.
	716m to 721m no gas, water 129bbl/day.		
08:30-11:00	Drill 6-1/8" hole F/- 723m to 743m, flow test coal from		Water salinity test 1,860 ms
	740m to 742m no gas, water 679bbl/day.		
11:00-13:30	Drill 6-1/8" hole F/- 743m to 761m, flow test coal from		
	754m to 759m no gas, water 1552bbl/day.		

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Under reaming hole from 6-/18" to 8-3/4" at 716m.

Safety

DWLTI	278	Safety Meetings	PTSM : Drilling coals, BOP drill procedures.

REMARKS:

Rig rate : 17.5 hr w/pipe, 4 hr w/out pipe, 2.5 rig repair.

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Tuesday August 30 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	8	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Tony Franks.		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$19,787	$267,266
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$540
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d/1786	$792	$2,970
Labor		$0
Supervision	$1,000	$10,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$1,800
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$21,839	$452,415

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	36lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments	
1	16:00	782psi	827psi		30	1020cfm	Fill:	Tagged at 718m
2	17:20	800psi	844psi		30	1080cfm	Gas Rate:	0 psi
3	18:40	812psi	871psi		30	1031cfm	Water Rate:	1947bbl/day
4	20:00	750psi	850psi		30	1023cfm	Returns:	Good quantity of coal
5	21:25		910psi	913psi	30	1409cfm		with a few heavy fines to fines
								mostly bigger peaces 20-30mm

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-01:30	RIH to 688m with under reamer.		
01:30-02:00	Fit diverter rubber.		
02:00-12:00	Unload well at 692m, under ream from 692m to 776m.		
	gas flares on conn 5-6m for about 10sec.		
12:00-13:00	Blow well dry,		
13:00-13:30	Bucket test water flow, 1947bbl/day.		
13:30-14:00	Pull back to casing shoe, gas test thru .25" orifice 0psi.		
14:00-16:00	POOH with under reamer and lay out same.		
16:00-23:00	Hold safety meeting on surging, Run surges #1 to #5.		
23:00-24:00	Make up bit & BHA and run in hole		
	Water salinity test 1,940 ms		

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Cleaning coal from well at 725m.

Safety

DWLTI	279	**Safety Meetings**	PTSM : Fitting diverter rubber, surging the well.

REMARKS:

Rig rate : 24 hr operating .

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Wednaesday August 31 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	9	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Tony Franks.		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation
1800cfm						Cleaning

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$19,626	$286,892
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$600
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d/1787	$1,188	$4,158
Labor		$0
Supervision	$1,000	$11,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$2,000
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$22,074	$474,489

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	36lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
6	13:50	921psi	979psi		30min	1300cfm	Fill: Tagged at 775m
7	15:10	810psi	990psi		30min	1112cfm	Gas Rate: 0 psi
8	16:30	873psi	1004psi		30min	759cfm	Water Rate: 1066bbl/day
							Returns: Good quantity of coal
							mostly heavy fines to fines
							with a few peaces 15-30mm

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-01:00	RIH with 6-18" bit to casing shoe.		
01:00-01:30	Fit diverter rubber.		
01:30-06:00	RIH tag at 718m, unload well and clean from 690m to		
	726m with 5-10bbl sweeps every 15min.		
06:00-06:30	Rig repair, hyd rotary down.		Water salinity test 1,970 ms
06:30-12:00	Continue to clean well from 726m to 775m.		
	3m gas flare for about 10sec on connections		
12:00-13:00	Blow well dry.		
13:00-13:30	Bucket test water flow, 1066bbl/day.		
13:30-14:00	Pull back to casing shoe, gas test thru .25" orifice 0psi.		
14:00-18:00	Run surges #6,#7, #8.		
18:00-18:30	RIH tag at 775m, pull back to casing shoe.		We run a flow test this morning , the water was 738bbl/day
18:30-24:00	Unload well and clean from 696m to 726m with		and gas was 2psi thru 0.25 orifice plate for 24MCf/day.
	5-10bbl sweeps every 15min. 1m gas flare for 10sec		We only got to clean to 735m before the flow test just past the
	when unloading.		B coal.

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Gas flow test and rig service.

Safety

DWLTI	280	**Safety Meetings**	PTSM : Surging the well, location of first aid station and eye wash station.

REMARKS:

Rig rate : 23.5 hr w/pipe, .5 rig repair.

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Thursday September 1, 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	10	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Tony Franks.		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation
1800cfm						Cleaning

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$11,948	$298,840
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$660
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d/1788	$858	$5,016
Labor		$0
Supervision	$1,000	$12,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$2,200
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$14,066	$488,555

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	36lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill: Tagged at 736m
							Gas Rate: 25 MCf/day
							Water Rate: 738 bbl/day
							Returns: Good quantity of coal
							mostly heavy fines to fines
							with a few pieces 10-20mm

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-04:00	Continue to rotate & reciprocate pipe, wash and clean		
	from 716m to 735m with 10bbl sweeps every 15 min.		
04:00-05:00	Blow well dry.		
05:00-05:30	Bucket test water flow 738bbl/day, pull back to csg shoe.		
05:30-06:30	Gas test thru .25" orifice 2 psi, 25MCf/day, rig service.		
06:30-07:00	RIH tagged fill at 736m, unload well, gas flare 3-4m for 2min		
07:00-14:00	Rotate & reciprocate pipe, wash and clean from 706m		
	to 735m with 10bbl sweeps every 15 min.		
14:00-14:30	Pull back in side casing shoe. Rotary torque too low,		
	possible stuck in hole situation.		
14:30-24:00	Rig repair hydraulic rotary torque		

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Wait on hyd parts to arrive from Brisbane.

Safety

DWLTI	281	**Safety Meetings**	PTSM : Fatigue management, drilling a well.

REMARKS:

Rig rate : 14.5 hr w/pipe, 9.5 rig repair.

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Friday September 2, 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	11	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Tony Franks.		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$0	$298,840
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$720
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d/1789	$1,056	$6,072
Labor		$0
Supervision	$1,000	$13,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$2,400
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$2,316	$490,871

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	36lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill:
							Gas Rate:
							Water Rate:
							Returns:

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-24:00	Rig repair, hydraulic rotary torque.		
	2 mechanics fly out from Brisbane arrived at 17:00hrs.		
	Continue with hydralic repair.		

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Cleaning coal from well at 745m.

Safety

DWLTI	282	**Safety Meetings**	PTSM : Good house keeping, surging and cleaning.

REMARKS:

Rig rate : 24 rig repair.

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Saturday September 3, 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	12	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Tony Franks.		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation
1800cfm						Cleaning

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$18,128	$316,968
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$780
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d/1790	$792	$6,864
Labor		$0
Supervision	$1,000	$14,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$2,600
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$20,180	$511,051

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set
14"	line pipe			1	12m	17m
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m
7"	Nippon	36lb/ft	NT-80	55	691.3m	690m

Comments

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate
9	18:40	898psi	1092psi		30min	1260cfm
10	20:00	829psi	837psi		30min	1240cfm

Comments

Fill:	Tagged at 730m
Gas Rate:	24 MCf/day
Water Rate:	632 bbl/day
Returns:	Large quantity of coal
	mostly heavy fines to fines
	with a few pieces 10-15mm

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-01:00	Rig repair, hyd.	22:00-24:00	Rotate & reciprocate pipe, wash and clean from 716m
01:00-01:30	RIH tagged at 736m, pull back to 716m.		to 726m with 10bbl sweeps every 15 min.
01:30-03:00	Rotate & reciprocate pipe, wash and clean from 716m		
	to 726m with 10bbl sweeps every 15 min.		
03:00-04:00	Pull back to casing shoe to test hyd gauges.		
04:00-15:30	RIH tag at 730m rotate & reciprocate pipe, wash and		
	clean from 726m to 774m with 10bbl sweeps every 15 min.		Water salinity test 1,920 ms
15:30-16:00	Pull to casing at 690m, RIH to 774m no fill.		
16:00-17:00	Blow well dry.		We run a flow test this morning , the water was 643 bbl/day
17:00-17:30	Bucket test water flow 632 bbl/day, pull back to csg shoe.		and gas was 0 psi thru 0.25 orifice plate.
17:30-18:00	Gas test thru .25" orifice 1.5 psi, 24MCf/day, rig service.		We were only able to clean to 735m before the flow test, just
18:00-18:30	RIH tag at 773m, pull back to casing shoe at 690m.		past the B coal.
18:30-21:30	Safety meeting on surging, run surges #9 and #10.		
21:30-22:00	RIH tag at 757m, pull back to 715m, unload well.		

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Running in hole to tag after flow test,

Safety

DWLTI	283	**Safety Meetings**	PTSM : General maintenance, using jumper leads.

REMARKS:

Rig rate : 22 hr w/pipe, 2 rig repair.

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Sunday, September 04, 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	13	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Tony Franks.		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used

Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING

Air Rate	Foam Rate	Foam Mix
1800cfm		

GAS DATA-DRILLING

Depth	Flare	Duration	Operation
			Cleaning

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$19,787	$336,755
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$840
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d/1791	$1,584	$8,448
Labor		$0
Supervision	$1,000	$15,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$2,800
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$22,631	$533,682

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set
14"	line pipe			1	12m	17m
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m
7"	Nippon	36lb/ft	NT-80	55	691.3m	690m

Comments

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate

Comments

Fill:	Tagged at 733m
Gas Rate:	0 MCf/day
Water Rate:	643 bbl/day
Returns:	Good quantity of coal
	with a few heavy fines to fines
	mostly bigger pieces 20-40mm

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-04:00	Rotate & reciprocate pipe, wash and clean from 716m		
	to 735m with 10bbl sweeps every 15 min.		
04:00-05:00	Blow well dry.		
05:00-05:30	Bucket test water flow 643 bbl/day, pull back to csg shoe.		
05:30-06:00	Gas test thru .25" orifice 0 psi, rig service.		Water salinity test 1,970 ms
06:00-06:30	RIH tag at 733m, pull back to casing shoe, unload well,		
	a good 4m gas flare for about 2min while unloading well.		
06:30-18:30	Rotate & reciprocate pipe, wash and clean from 716m		
	to 775m with 10bbl sweeps every 15 min.		
18:30-19:00	Pull back to casing shoe, change out stripper rubber.		We run a flow test this morning , water rate was 728 bbl/day
19:00-20:00	RIH tag at 774m, pull back to casing shoe, unload well,		and gas rate was 3 psi thru 0.25 orifice plate, 26MCf/day.
20:00-24:00	Rotate & reciprocate pipe, wash and clean from 716m		We were only able to clean to 735m before the flow test, just past t
	to 775m with 10bbl sweeps every 15 min.		under the B coal.

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Gas flow test.

Safety

DWLTI	284	**Safety Meetings**	PTSM : Excessive noise, Booster relief valves and pumping sweeps.

REMARKS:

Rig rate : 24 hr operating .

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Monday, September 05, 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	14	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Tony Franks.		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation
1800cfm						Cleaning

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$19,326	$356,081
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$900
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d/1792	$1,616	$10,064
Labor		$0
Supervision	$1,000	$16,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$3,000
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$22,202	$555,884

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	36lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill: Tagged at 733m
							Gas Rate: 26 MCf/day
							Water Rate: 728 bbl/day
							Returns: Large quantity of coal
							mostly heavy fines to fines
							with a few peaces 15-20mm

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-04:00	Rotate & reciprocate pipe and wash and clean from 716m	16:30-24:00	Rotate & reciprocate pip and wash and clean from 716m
	to 735m with 10bbl sweeps every 15 min.		to 735m with 10bbl sweeps every 15 min.
04:00-05:00	Blow well dry.		
05:00-05:30	Bucket test water flow 728 bbl/day, pull back to csg shoe.		
05:30-06:00	Gas test thru .25" orifice 3 psi, 26 MCF/day. rig service.		Water salinity test 1,950 ms
06:00-06:30	RIH tag at 733m, pull back to casing shoe, unload well,		
	a good 3-4m gas flare for about 2min while unloading well.		
06:30-12:00	Rotate & reciprocate pipe and wash and clean from 716m		
	to 735m with 10bbl sweeps every 15 min.		
12:00-12:30	Pull back to casing shoe, install engine cover, RIH to 716m.		We ran a flow test this morning , the water was 918 bbl/day
12:30-15:00	Unload well, rotate & reciprocate pipe and wash and clean		and gas was 3.5 psi thru 0.25 orifice plate, 27MCf/day.
	from 716m to 735m with 10bbl sweeps every 15 min.		We had cleaned to 765m, just below the D coal.
15:00-16:30	Rig repair, reset hyd rotary.		

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Gas flow test.

Safety

DWLTI	285	**Safety Meetings**	PTSM : Working at heights, rotary bushing removal.

REMARKS:

Rig rate : 22.5 hr w/pipe, 1.5 rig repair.

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Tuesday, September 06, 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	15	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Tony Franks.		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation
1800cfm						Cleaning

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$19,787	$375,868
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$960
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d/1793	$1,518	$11,582
Labor		$0
Supervision	$1,000	$17,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$3,200
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$22,565	$578,449

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	36lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill: Tagged at 744m
							Gas Rate: 27 MCf/day
							Water Rate: 918 bbl/day
							Returns: Large quantity of coal
							mostly heavy fines to fines
							with a few pieces to 10-15mm

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-04:00	Continue to rotate & reciprocate pipe and wash and clean	20:30-24:00	Unload well, rotate & reciprocate pipe and wash and clean
	from 726m to 765m with 10bbl sweeps every 15 min.		from 696m to 726m with 10bbl sweeps every 15 min.
04:00-05:00	Blow well dry.		
05:00-05:30	Bucket test water flow 918 bbl/day, pull back to csg shoe.		
05:30-06:00	Gas test thru .25" orifice 3.5 psi, 27 MCF/day. Rig service.		
06:00-06:30	RIH tag at 744m, pull back to casing shoe, unload well,		Water salinity test 1,910 ms
	a good 3-4m gas flare for about 2min while unloading well.		
06:30-12:00	Rotate & reciprocate pipe and wash and clean from 716m		
	to 735m with 10bbl sweeps every 15 min.		
12:00-20:00	Continue to rotate & reciprocate pipe and wash and clean		We ran a flow test this morning , the water was 938 bbl/day
	from 726m to 774m with 10bbl sweeps every 15 min.		and gas was 2.5 psi thru 0.25 orifice plate, 25MCf/day.
20:00-20:30	Pull back to casing shoe, RIH tag at 766m, POOH to 696m		

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Gas flow test.

Safety

DWLTI	286	**Safety Meetings**	PTSM : Sample catching, Rig up and rig down.

REMARKS:

Rig rate : 24 hr operating .

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Wednesday, September 07, 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	16	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Tony Franks / Dave York		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation
1800cfm						Cleaning

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$19,787	$395,655
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$1,020
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d/1794	$2,574	$14,156
Labor		$0
Supervision	$2,000	$19,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$3,400
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$24,621	$603,070

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	36lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill: Tagged at 723m
							Gas Rate: 25 MCf/day
							Water Rate: 938 bbl/day
							Returns: Large quantity of coal
							mostly heavy fines to fines
							with a few pieces 10-15mm

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-04:00	Continue to rotate & reciprocate pipe and wash and clean		
	from 726m to 735m with 10bbl sweeps every 15 min.		
04:00-05:00	Blow well dry.		
05:00-05:30	Bucket test water flow 938 bbl/day, pull back to csg shoe.		
05:30-06:00	Gas test thru .25" orifice 2.5 psi, 25 MCF/day. Rig service.		
06:00-06:30	RIH tag at 723m, pull back to casing shoe, unload well,		
	a good 3m gas flare for about 2min while unloading well.		
06:30-14:30	Rotate & reciprocate pipe and wash and clean from 716m		
	to 726m with 10bbl sweeps every 15 min.		
14:30-16:00	Repair rig booster		Coducted flow test 08 Sep AM, water production of
16:00-24:00	Rotate & reciprocate pipe and wash and clean from 716m		1013bbl / day and a gas flow of 0.5psi through a 0.25"orifice,
	to 726m with 10bbl sweeps every 15 min.		indicating 23MCf/day
			After test, tagged @735m.

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Conduct gas flow test

Safety

DWLTI	287	**Safety Meetings**	PTSM : Cleaning gensets, SWI running casing

REMARKS:

Rig rate : 24 hr operating .

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Thursday, September 08, 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	17	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Dave York		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$19,787	$415,442
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$1,080
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d1795	$1,914	$16,070
Labor		$0
Supervision	$1,000	$20,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$3,600
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$22,961	$626,031

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	36lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill: Tag @ 735m.
							Gas Rate: 23MCf/day
							Water Rate: 1013bbl/day
							Returns: Large quantities of sample
							ranging from fines to
							pieces in 30mm. range

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-04:00	Rotate & reciprocate pipe, wash and clean		
	from 716m to 735m with 10bbl sweeps every 15 min.		
04:00-05:00	Blow well dry.		
05:00-05:30	Bucket test water flow 1013 bbl/day, pull back to csg shoe.		
05:30-06:00	Gas test thru .25" orifice 0.5 psi, 23 MCF/day. rig service.		
06:00-06:30	RIH tag at 735m, pull back to casing shoe, unload well,		
	2.5m gas flare while unloading well.		
06:30-10:30	Rotate & reciprocate pipe, wash and clean from 735m		Coducted flow test 09 Sep AM, indicating water production of
	to 765m with 10bbl sweeps every 15 min.		1643bbl / day and a gas flow of 2.5psi through a 0.25"orifice,
	3m.short duration flares on connections		indicating 25MCf/day
10:30-24:00	Repair rig engine compressor (POOH to csg shoe 690m.)		After test, tagged @ 719m.

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Conduct gas flow test

Safety

DWLTI	288	**Safety Meetings**	PTSM:Start up precedures, Limit switches, Remove rig engine cowling

REMARKS:

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Friday, September 09, 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	18	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Dave York		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$19,787	$435,229
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$1,140
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d1796	$1,386	$17,456
Labor		$0
Supervision	$1,000	$21,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$3,800
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$22,433	$648,464

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	36lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill: Tag @ 719m.
							Gas Rate: 25MCf/day
							Water Rate: 1643bbl/day
							Returns: Large quantities of sample
							ranging from fines to
							pieces in 20mm. range

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-01:00	Repair rig engine compressor		
01:00-04:00	RIH to tag @ 716m., clean well using air & 10bbl		
	sweeps @ 15min intervals		
04:00-05:00	Blow well dry.		
05:00-05:30	Bucket test water flow 1643bbl/day, pull back to csg shoe.		
05:30-06:00	Gas test thru .25" orifice 2.5 psi, 25MCF/day. rig service.		
06:00-06:30	RIH tag at 719m, pull back to casing shoe, unload well,		Coducted flow test 10 Sep AM, indicating water production of
	2.5m gas flare while unloading well.		1402bbl / day and a gas flow of 3.5psi through a 0.25"orifice,
06:30-24:00	Rotate & reciprocate pipe, wash and clean from 716m		indicating 27MCf/day
	to 726m with 10bbl sweeps every 15 min.		After test, tagged @ 723m.

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Conduct gas flow test

Safety

DWLTI	289	**Safety Meetings**	PTSM:Pre-start engine checks, Running EUE tubing

REMARKS:

Rig Time: 23hrs operating, 1hr repair

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Saturday, September 10, 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	19	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Dave York		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING

Air Rate	Foam Rate	Foam Mix

GAS DATA-DRILLING

Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$19,787	$455,016
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$1,200
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d1797	$1,386	$18,842
Labor		$0
Supervision	$1,000	$22,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$4,000
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$22,433	$670,897

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	23lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate

Comments	
Fill:	Tag @ 723m.
Gas Rate:	27MCf/day
Water Rate:	1402bbl/day
Returns:	Large quantities of sample ranging from fines to pieces in 30mm. range

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-04:00	Clean well 716 - 726m using air & 10bbl		
	sweeps @ 15min intervals		
04:00-05:00	Blow well dry.		
05:00-05:30	Bucket test water flow 1402bbl/day, pull back to csg shoe.		
05:30-06:00	Gas test thru .25" orifice 3.5 psi, 27MCF/day. rig service.		
06:00-06:30	RIH tag at 723m, pull back to casing shoe, unload well,		
	3.5m gas flare while unloading well.		
06:30-24:00	Rotate & reciprocate pipe, wash and clean from 716m		Coducted flow test 11 Sep AM, indicating water production of
	to 726m with 10bbl sweeps every 15 min.		1487bbl / day and a gas flow of 6psi through a 0.25"orifice,
			indicating 30MCf/day
			After test, tagged @ 731m.

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Conduct gas flow test

Safety

DWLTI	290	Safety Meetings	PTSM:Prepare tubing for running, SWI working at heights

REMARKS:

Rig time: 24hrs operating

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Sunday, September 11, 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	20	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Dave York		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING / **GAS DATA-DRILLING**

Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$19,787	$474,803
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$1,260
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d1798	$1,320	$20,162
Labor		$0
Supervision	$1,000	$23,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$4,200
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$22,367	$693,264

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	23lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill: Tag @ 731m.
							Gas Rate: 30MCf/day
							Water Rate: 1487bbl/day
							Returns: Large quantities of sample
							ranging from fines to
							pieces in 30mm. range

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-04:00	Clean well 716 - 735m using air & 10bbl		
	sweeps @ 15min intervals		
04:00-05:00	Blow well dry.		
05:00-05:30	Bucket test water flow 1487bbl/day, pull back to csg shoe.		
05:30-06:30	Gas test thru .25" orifice 6psi, 30MCF/day. rig service.		
06:30-07:00	RIH tag at 731m, pull back to casing shoe, unload well,		
	3.5m gas flare while unloading well.		Coducted flow test 12Sep AM, indicating water production of
07:00-24:00	Rotate & reciprocate pipe, wash and clean from 726m		1856bbl / day and a gas flow of 5psi through a 0.25"orifice,
	to 774m with 10bbl sweeps every 15 min.		indicating 29MCf/day
	2m. short duration flares on connections		After test, tagged @ 731m.

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Conduct gas flow test

Safety

DWLTI	291	**Safety Meetings**	PTSM:Complacency prior crew change, Forklift directions

REMARKS:

Rig time: 24hrs operating

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Monday, September 12, 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	21	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Dave York		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$19,787	$494,590
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$1,320
Mud		$0
Mud Logger		$0
Transportation		$1,176
Water d1799	$1,848	$22,010
Labor		$0
Supervision	$1,000	$24,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$4,400
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$22,895	$716,159

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	23lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill: Tag @ 731m.
							Gas Rate: 29MCf/day
							Water Rate: 1856bbl/day
							Returns: Large quantities of sample
							ranging from fines to
							pieces in 30mm. range

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-04:00	Clean well @ 774m using air & 10bbl		
	sweeps @ 15min intervals		
04:00-05:00	Blow well dry.		
05:00-05:30	Bucket test water flow 1856bbl/day, pull back to csg shoe.		
05:30-06:30	Gas test thru .25" orifice 5psi, 29MCF/day. rig service.		
06:30-07:00	RIH tag at 731m, pull back to casing shoe, unload well,		
	3.5m gas flare while unloading well.		Conducted flow test 13 Sep am, indicating water production of
07:00-24:00	Rotate & reciprocate pipe, wash and clean from 726m		1773bbl / day and a gas flow of 13psi through a 0.25"orifice,
	to 784m with 10bbl sweeps every 15 min.		indicating 41MCf/day
	3m. short duration flares on connections		After test, tagged @ 731m.

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Conduct gas flow test

Safety

DWLTI	292	**Safety Meetings**	PTSM: Lifting gear inspection, Pre-starts

REMARKS:

Rig time:24hrs operating

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Tuesday, September13,2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	22	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Dave York		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$19,787	$514,377
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$1,380
Mud		$0
Mud Logger		$0
Transportation	$528	$1,704
Water d1800	$1,122	$23,132
Labor		$0
Supervision	$1,000	$25,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$4,600
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$22,697	$738,856

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	23lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate

Comments	
Fill:	Tag @ 731m.
Gas Rate:	41MCf/day
Water Rate:	1773bbl/day
Returns:	Large quantities of sample
	ranging from fines to
	pieces in 30mm. range

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-04:00	Clean well @ 784m using air & 10bbl		
	sweeps @ 15min intervals		
04:00-05:00	Blow well dry.		
05:00-05:30	Bucket test water flow 1773bbl/day, pull back to csg shoe.		
05:30-06:30	Gas test thru .25" orifice 13psi, 41MCF/day. rig service.		
06:30-07:00	RIH tag at 731m, pull back to casing shoe, unload well,		
	3.5m gas flare while unloading well.		Conducted flow test 14Sep AM, indicating water production of
07:00-16:30	Rotate & reciprocate pipe, wash and clean from 726m		1880bbl / day and a gas flow of 8psi through a 0.25"orifice,
	to 755m with 10bbl sweeps every 15 min.		indicating 33MCf/day
	4m. short duration flares on connections		After test, tagged @ 736m.
16:30-17:00	Repair rig		
17:00-24:00	Rotate & reciprocate pipe, wash and clean from 755m		
	to 774m with 10bbl sweeps every 15 min.		
	4m. short duration flares on connections		

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Conduct gas flow test

Safety

DWLTI	293	**Safety Meetings**	PTSM: Gas & bucket tests, Oxy torch cutting

REMARKS:

Rig time:23.5hrs operating, 0.5hrs repair

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	14-September-2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	23	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Dave York		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$19,787	$534,164
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$1,440
Mud		$0
Mud Logger		$0
Transportation		$1,704
Water d1628	$1,386	$24,518
Labor		$0
Supervision	$1,000	$26,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4		$4,600
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$22,233	$761,089

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	23lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate

Comments	
Fill:	Tag @ 731m.
Gas Rate:	33MCf/day
Water Rate:	1880bbl/day
Returns:	Large quantities of sample
	ranging from fines to
	pieces in 30mm. range

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-04:00	Clean well @ 784m using air & 10bbl		
	sweeps @ 15min intervals		
04:00-05:00	Blow well dry.		
05:00-05:30	Bucket test water flow 1880bbl/day, pull back to csg shoe.		
05:30-06:30	Gas test thru .25" orifice 8psi, 33MCF/day. rig service.		
06:30-07:30	RIH tag at 736m, pull back to casing shoe, unload well,		
	3.5m gas flare while unloading well.		
	RIH to 726m. - Hydraulic malfunction		
07:30-12:30	Repair rig hydraulics		
12:30-24:00	RIH to tag @ 734m., Clean well 734-784m. Using air		
	and 10bbl sweeps @ 15min intervals		

BHA DATA: Bit, bit sub, 12x 4-3/4" D/C,

OPERATION @ 6 AM: Conduct gas flow test

Safety

DWLTI	294	**Safety Meetings**	PTSM:Rig service & work in derrick, Heat exhaustion precautions

REMARKS:

Rig time:19hrs operating, 5hrs repair

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Thursday, September 15, 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	24	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Dave York		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
4RR	6-1/8"	HTC	STX-1	5034253	open	used
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$19,787	$553,951
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$60	$1,500
Mud		$0
Mud Logger		$0
Transportation		$1,704
Water d1629/30	$3,168	$27,686
Labor		$0
Supervision	$1,000	$27,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4	$200	$4,800
Casing		$66,543
Tubing		$0
Rods		$0
Wellhead		$14,838
TOTAL	$24,215	$785,304

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	23lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill:
							Gas Rate: 54MCf/day
							Water Rate: 1704 bwpd
							Returns:

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-11:00	Clean well to 784m using air & 10bbl		
	sweeps @ 15min intervals		
11:00-11:30	Displace hole to water (60bbls), monitor well		
11:30-14:30	POOH to run liner (lay down drill collars)		
14:30-17:00	Make up slotted liner, RIH to 784m., Back off drill pipe		
17:00-18:30	POOH drill pipe		
18:30-19:00	Rig service		Conducted flow test @ 22:00hrs, indicating water production of
19:00-21:00	RIH open end drill pipe to tag top of liner @ 687.6m.		1704 bwpd and a gas flow of 22psi through a 0.25"orifice,
21:00-22:00	Unload well, dry well w/- air, conduct bucket test		indicating 54MCf/day
22:00-22:30	Conduct gas flow test		
22:30-24:00	POOH drill pipe to run 3 1/2" tubing kill string		

BHA DATA:

OPERATION @ 6 AM: Nipple down BOP

Safety

DWLTI	295	**Safety Meetings**	PTSM: SWI-150-29 reviewed, Surveys, Running liner

REMARKS:

Rig time:24hrs operating

TIPPERARY OIL & GAS AUSTRALIA DAILY DRILLING REPORT

Well:	Fairview #97			Date:	Friday, September 16 2005	Drilled to:	784
Town:	Injune	Basin:	Bowen	Days:	25	Drilled from:	784
Permit:	PL91			Rig:	Mitchell Drilling 150	Meterage	0
Location:	Easting 696 362	Northing 7 162 463		Elevation:	GL 481 RT 485.3	Formation	Bandanna
Lat / Long:	25 38'38.6" S	148 57' 17.5"E		Supervisor:	Dave York		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
Bit #	In	Out	Meters	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	PV	YP	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (AUD$)

	Daily	Cumulative
Location		$30,000
Rig move		$35,000
Rig	$5,632	$559,583
Fuel		$0
Camp		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental		$1,500
Mud		$0
Mud Logger		$0
Transportation		$1,704
Water		$27,686
Labor		$0
Supervision		$27,000
Core/DST		$0
Logs		$22,282
Cement		$0
Fishing		$0
Misc 4x4		$4,800
Casing	$3,411	$69,954
Tubing		$0
Rods		$0
Wellhead	$2,270	$17,108
TOTAL	$11,313	$796,617

CASING DATA

Size	Make	Weight	Grade	# of Joints	Length	Depth set	Comments
14"	line pipe			1	12m	17m	
9 5/8"	Nippon	36lb/ft	K55	15	197.3m	195.6m	
7"	Nippon	23lb/ft	NT-80	55	691.3m	690m	

CAVITATION DATA

Surge #	Start Time	Min Press	Break-Over	Max Press	Min. past B-O	Air Rate	Comments
							Fill:
							Gas Rate:
							Water Rate:
							Returns:

TIME DISTRIBUTION

Hours	Operation	Hours	Operation
00:00-01:00	POOH to run 3 1/2" tubing kill string		
01:00-0130	Remove diverter rubber		
01:30-03:30	Run 30 jts 3 1/2" tubing kill string		
03:30-04:30	Make up tubing hanger, Safety Meeting, land and		
	lock down hanger		
04:30 08:00	Nipple down BOP, nipple up wellhead		
	RIG RELEASED FROM FAIRVIEW #97		
	RIG MOVE TO FAIRVIEW #100		

BHA DATA:

OPERATION @ 6 AM: Rig move to Fairview #100

Safety

DWLTI	296	Safety Meetings	PTSM: Run tubing, Landing tubing hanger, Rigging down

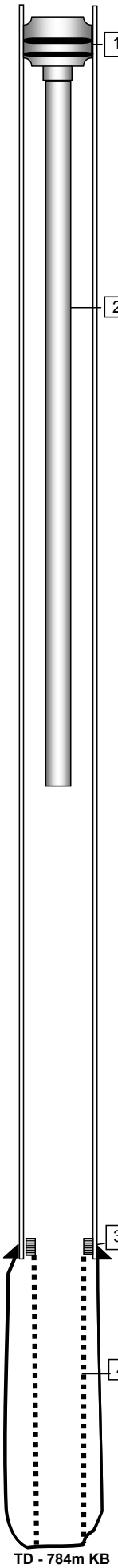
REMARKS:

Rig time: 8 hrs operating

Tipperary OIL & GAS(AUSTRALIA) PTY LTD ACN 077 536 871

Well: Downhole Diagram FV 97 **DATE:** 9/15/2005

Latitude: 25° 38' 38.6" S **Ground Level:** 481.00 m
Longitude: 148° 57' 17.5" E **K B elevation:** 485.30 m



ITEM No	DESCRIPTION	LTH (m)	DTH KB (m)	MIN I.D. (mm)	MAX O.D. (mm)
	KB to top of tubing spool flange	4.30	4.30		
1	3-1/2" tubing hanger	0.25	4.30		
2	30 joints of 3-1/2" EUE, J55, 9.3 lb/ft tubing **with Pump Out Plug**	280.13	4.55		
	Bottom of kill string		284.68		
	LINER DETAILS				
3	X-over: 4-1/2" EUE box (Left handed thread) x 4-1/2" ABFL4S pin **Top of liner**	0.23	**687.64**		
4	4-1/2" AB FL4S slotted liners (8 joints)	96.13	687.87		
	(perforations extend from 688 to 784m.) **Bottom of liner**		**784.00**		

BRIEF HISTORY ON WELL

Fairview #97 was spudded by Mitchell Rig 150 on August 23 2005 to further appraise the coal seam methane potential of the Late Permian Bandanna Formation. TD of 784m. was reached on August 29 2005. The well was under-reamed to 776m. and cavitated till 15-Sep-05. A slotted liner was run to 784m. and a kill string of 3 1/2" tubing (w/- Pump Out Plug) was run to 284.68m. A flow test on 15-Sep-05 (through the slotted liner) indicated water production of 1704bbl/day and gas productio of 54MCf/day.The rig was released on16-Sep-05

SURFACE

CASING DETAILS		CEMENTING DETAILS:
Size:	9-5/8" (15 Jts)	Pump 5bbl spacer, mix and pump 46bbls lead slurry @ 13.5ppg (150sx class'A',6% gel,),mix and pump 31bbls tail slurry @ 15.6ppg(167sx class'A',1% $CaCl_2$), displace w/- 47bbls water, bump plug w/-1400psi, float eqipment held(0.5bbl bleed off).Cement returns to surface after 15bbls displacement.
Weight:	36 lb/ft.	
Grade:	K-55	
Depth Set:	195.6	

PRODUCTION

CASING DETAILS		CEMENTING DETAILS:
Size:	7" (55 Jts)	Pump 10bbl spacer, mixed and pumped 39bbls lead slurry of 127sx class 'A' and 6% Gel for 13.5ppg slurry, followed by 31bbls tail slurry of 150sx class 'A',0.2%HR-5 for 15.6ppg slurry, displaced w/- 90bbls water. Bump plug w/-1600psi, float equipment did not hold. Shut well in @ surface, WOC 4hrs.
Weight:	23 lb/ft.	
Grade:	K55	
Depth Set:	690 KB	
Drift diameter:		
Capacity:		

FORMATION	OPEN HOLE COAL SEAMS (m KB)	GUN: SIZE	GUN: TYPE	CHARGES: SPF	CHARGES: TYPE	CHARGES: WT(g)
BANDANNA						
PRESSURE						
TEMPERATURE						

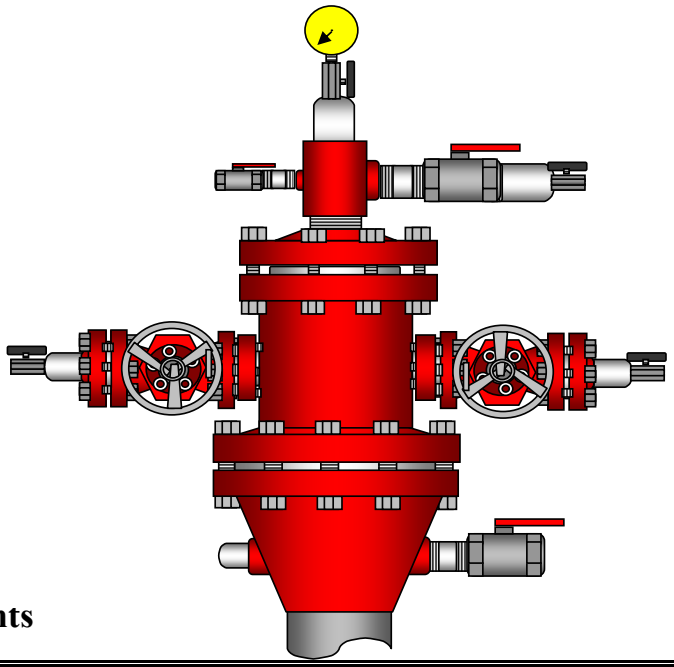
REMARKS:	
ANNULUS FLUID:	
INDICATED STRING WEIGHT:	
CALCULATED STRING WEIGHT:	
LANDED WEIGHT:	
TENSION:	

NOT TO SCALE	WELLSITE SUPERVISOR: Dave York	
PROPOSED: Yes	TUBING INSTALLATION / LAST WORKOVER	DATE:
COMPLETION:	DRAFTED BY:	DATE:
WORK-OVER:	REVISED: C. Nguyen	DATE:

Wellhead Installation Report

Date: 16/09/05

FAIRVIEW 97



Components

Xmas Tree Assembly No.				Serial No.	
Description	**Manufacturer**	**Part No.**	**Size/Rating**	**Model**	**Serial No.**
1000psi 2" gauge	WIKAI		1000psi		
1/2NPT needle valve					
Bull plug tapped 1/2 NPT			3 1/2EUE 2000 psi		
Flow Tee [WOODS]	WOODS	n/a	3 1/2EUE x 3"NPT 2000psi	PFT 19	
3" NPT nipple					
3" ball valve	NUTRON	T3R30540B	3" NPT 4000psi		26865-003
Bull plug tapped 1/2 NPT			3" NPT 2000 psi		
1/2NPT needle valve					
1" NPT nipple					
1" ball valve	NUTRON	T3R10530B7	1" NPT/3000psi		126750
Adaptor Flange	CROWN	ATB73X312MP	B1 - 7-1/16" 3 K		116473-21
Tubing Spool	CROWN	CTCM-TH113X73	7-1/16" 3000 psi R45	CTCM	102367-10
Production Wing Valve 1	WOODS	338 3000DO2	2 1/16" 5000psi		31761
Production Wing Valve 2	WOODS	338 3000DO2	2 1/16" 5000psi		31766
2" bull pjug taped 1/2NPT					
1/2NPT needle valve					
X-Bushing	Yes				
Casing Spool	N/A				
Intermediate Annulus Valve	N/A				
Companion Flange	N/A				
Casing Head	CROWN	CC-CH113X958SOWLP	11" 3k x 9-5/8" LT&C		109150-12
Slip & Seal	N/A		Unknown		
Outlet 1	Bull plug		2" NPT		
Outlet 2	Ball valve		2" NPT 2000 psi		
Casing Swage	No				

BPV Prep :- yes 3"

General Comments :-

APPENDIX 2

Wireline Logs

MUD

Discovery Mitchell # 150

Schlumberger

Company: **Tipperary Oil and Gas Australia**

Well: **Fairview 97**
Field: **Fairview**
Rig: **Mitchell # 150** Country: **Australia**

TLD−GR
195.34m − 695.04m
1:200, 1:500 Scale

Rig: Mitchell # 150
Field: Fairview
Location: PL 91
Well: Fairview 97
Company: Tipperary Oil and Gas Australia

LOCATION

PL 91		Elev.: R.T.	485.3 m
Easting 696 362		G.L.	481 m
Northing 7 162 465		D.F.	485.3 m
Permanent Datum:	Mean Sea Level	Elev.:	0 m
Log Measured From:	Rotary Table	485.3 m	above Perm. Datum
Drilling Measured From:	Rotary Table		

State:	Max. Well Deviation	Longitude	Latitude
Queensland	3.5 deg	148 57' 17.5'' E	25 38' 38.6'' S

	Run 1	Run 2	Run 3
Logging Date	27−Aug−2005		
Run Number	1		
Depth Driller	695 m		
Schlumberger Depth	695.04 m		
Bottom Log Interval	695.04 m		
Top Log Interval	195.34 m		
Casing Driller Size @ Depth	9.625 in @ 195.6 m	@	
Casing Schlumberger	195.2 m		
Bit Size	8.500 in		
Type Fluid In Hole	Brine		
MUD Density / Viscosity	1 g/cm3		
MUD Fluid Loss / PH			
MUD Source Of Sample	Pit		
RM @ Measured Temperature	0.238 ohm.m @ 24 degC	@	
RMF @ Measured Temperature	0.238 ohm.m @ 24 degC	@	
RMC @ Measured Temperature	@	@	
Source RMF / RMC			
RM @ MRT / RMF @ MRT	0.181 @ 39 / 0.181 @ 39	@ / @	
Maximum Recorded Temperatures	39 degC		
Circulation Stopped / Time	27−Aug−2005		
Logger On Bottom / Time	27−Aug−2005 / 17:40		
Unit Number / Location	3170 / AURM		
Recorded By	Cherie Sims/ S.Thanenthiran		
Witnessed By	Mr. Tony Franks		

	Run 1	Run 2	Run 3
Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth		@	
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
MUD Density / Viscosity			
MUD Fluid Loss / PH			
MUD Source Of Sample			
RM @ Measured Temperature		@	
RMF @ Measured Temperature		@	
RMC @ Measured Temperature		@	
Source RMF / RMC			
RM @ MRT / RMF @ MRT	@	@	@
Maximum Recorded Temperatures			
Circulation Stopped / Time			
Logger On Bottom / Time			
Unit Number / Location			
Recorded By			
Witnessed By			

@ @ @ @ @

Run 4

DEPTH SUMMARY LISTING

Date Created: 27−AUG−2005 20:17:23

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW−B	Type:	CMTD−B/A	Type:	7−46V−XS
Serial Number:	2001	Serial Number:	2268	Serial Number:	78197
Calibration Date:	27−April−2005	Calibration Date:	27−Jun−2005	Length:	3326.89 M
Calibrator Serial Number:	−999	Calibrator Serial Number:	1050	Conveyance Method:	Wireline
Calibration Cable Type:	7−46P	Calibration Gain:	0.85	Rig Type:	LAND
Wheel Correction 1:	−3	Calibration Offset:	540.00		
Wheel Correction 2:	−4				

Depth Control Parameters

Log Sequence:	First Log In the Well
Rig Up Length At Surface:	52.00 M
Rig Up Length At Bottom:	52.00 M
Rig Up Length Correction:	0.00 M
Stretch Correction:	0.00 M
Tool Zero Check At Surface:	0.00 M

Depth Control Remarks

1. First run in hole
2. All Schlumberger depth control policies followed.
3. IDW is primary depth control
4. Z chart is secondary depth control
5.
6.

DISCLAIMER
THE USE OF AND RELIANCE UPON THIS RECORDED−DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED−DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED−DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED−DATA.

OTHER SERVICES1	OTHER SERVICES2
OS1: None	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Log objective : Well Evaluation	
Tool run as per tool sketch.	
Maximum recorded temperature from head thermometer is 38.89 DEGC	
Data recorded in high resolution.	
Density corrected for mud weight and hole size.	
Caliper check in casing is 8.921 inches.	

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:		13C0−300	PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1 | RUN 2

SURFACE EQUIPMENT

GSR−U 1165
NCT−B
CNB−AB
NCS−VB
WITM (DTS)−A

DOWNHOLE EQUIPMENT

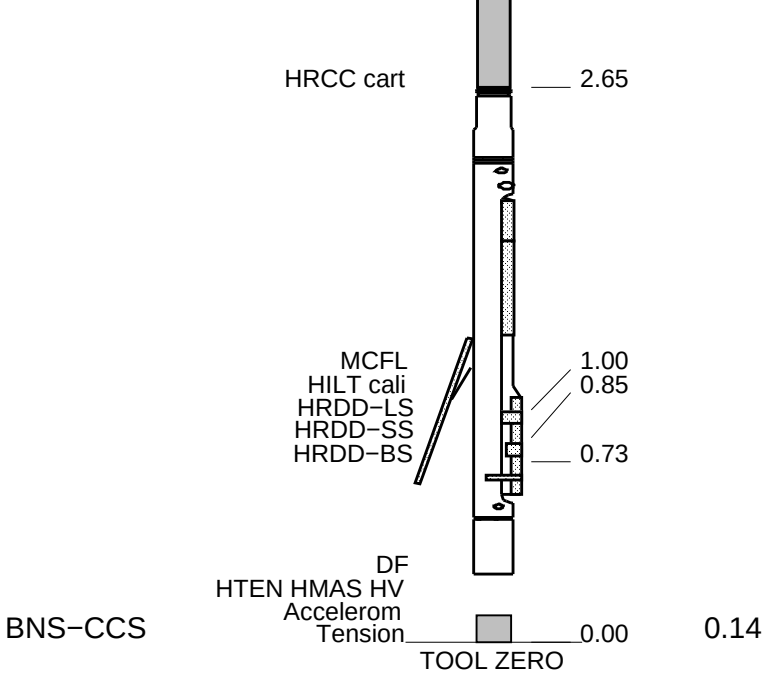
LEH−QT 8.54
LEH−QT 1183

DTC−H 7.65
ECH−KC 9889
DTCH0−A 8812
DTCH1−A

CTEM 7.37
TelStatus
ToolStatu 6.74
HGNS HTEM
HMCA 6.74

HILTB−FTB 6.74
HGNSD−B
HMCA
HGNH 1718
NLS−KL
NSR−F 2111
HACCZ
HCNT
HGR
HRCC−B 790
HRMS−B 748
HRGD−B 1736
GLS−VJ 3739
MCFL Device
HILT Nucl. LS
HILT Nucl. SS
HILT Nucl. BS
BOW−SPR
NPV−N 2111

Gamma−Ray 6.51
Neutron F 4.73
Neutron N 4.58
HGNS sens 3.87



MAXIMUM STRING DIAMETER 4.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client:	Tipperary Oil And Gas Australia		Drawing Date: 8/27/2005
Well:	Fairview 75		API #:
Field:	Fairview	Rig Name:	Mitchell # 150
State:	Queensland	Reference Datum:	Mean Sea Level
Country:	Australia	Elevation:	485.3 m

Production String	(in) OD	(in) ID	(m) MD	Well Schematic	(m) MD	(in) OD	(in) ID	Casing String
					0.0	13.375		Casing String
					20.0	13.375		Casing Shoe
					195.6	9.625		Casing Shoe
					195.6	8.500		Borehole Segment

						695.0	8.500		Borehole Segment Bottom

ALL DEPTHS ARE DRILLERS DEPTH

Schlumberger

Bulk Density 1:500 Scale
High Resolution

MAXIS Field Log

Company: Tipperary Oil and Gas Australia **Well: Fairview 97**

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_014LUP	FN:20	PRODUCER	27−Aug−2005 17:39	696.2 M	−0.5 M

Output DLIS Files

DEFAULT	TLD_MCFL_CNL_027PUP	FN:44	PRODUCER	27−Aug−2005 21:23	696.3 M	25.3 M
CUSTOMER	TLD_MCFL_CNL_027PUC	FN:45	CUSTOMER	27−Aug−2005 21:23	696.3 M	25.3 M

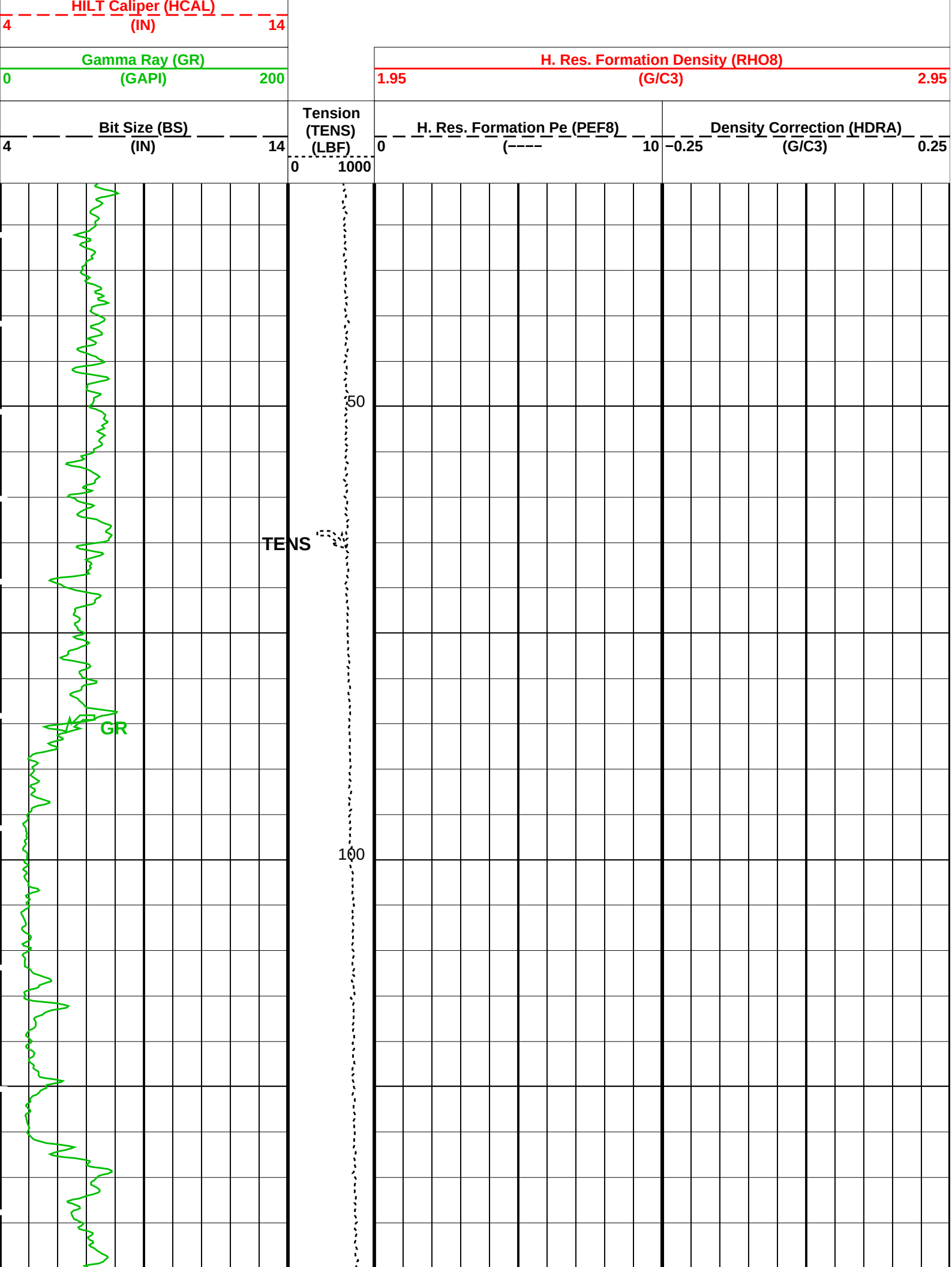
OP System Version: 13C0−300

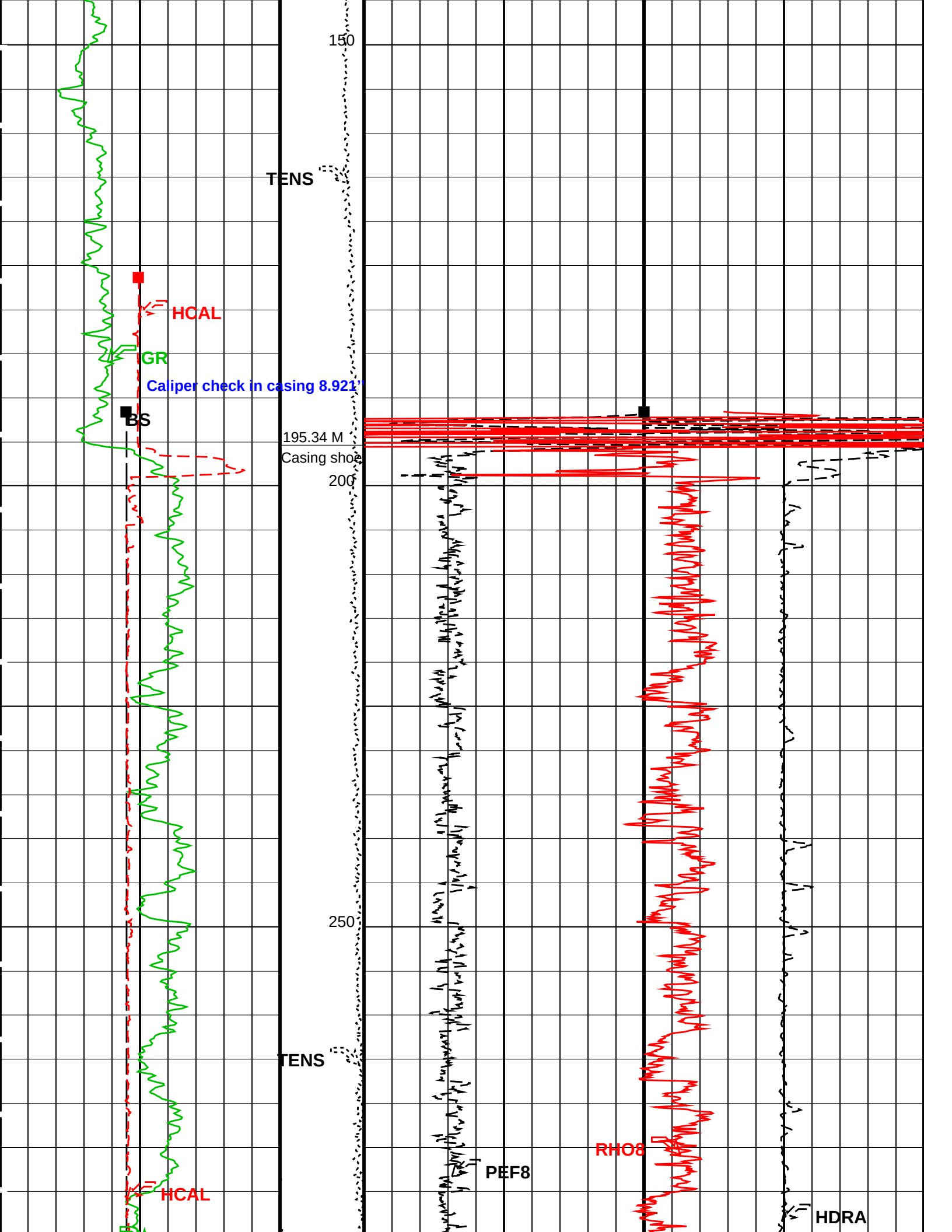
MCM

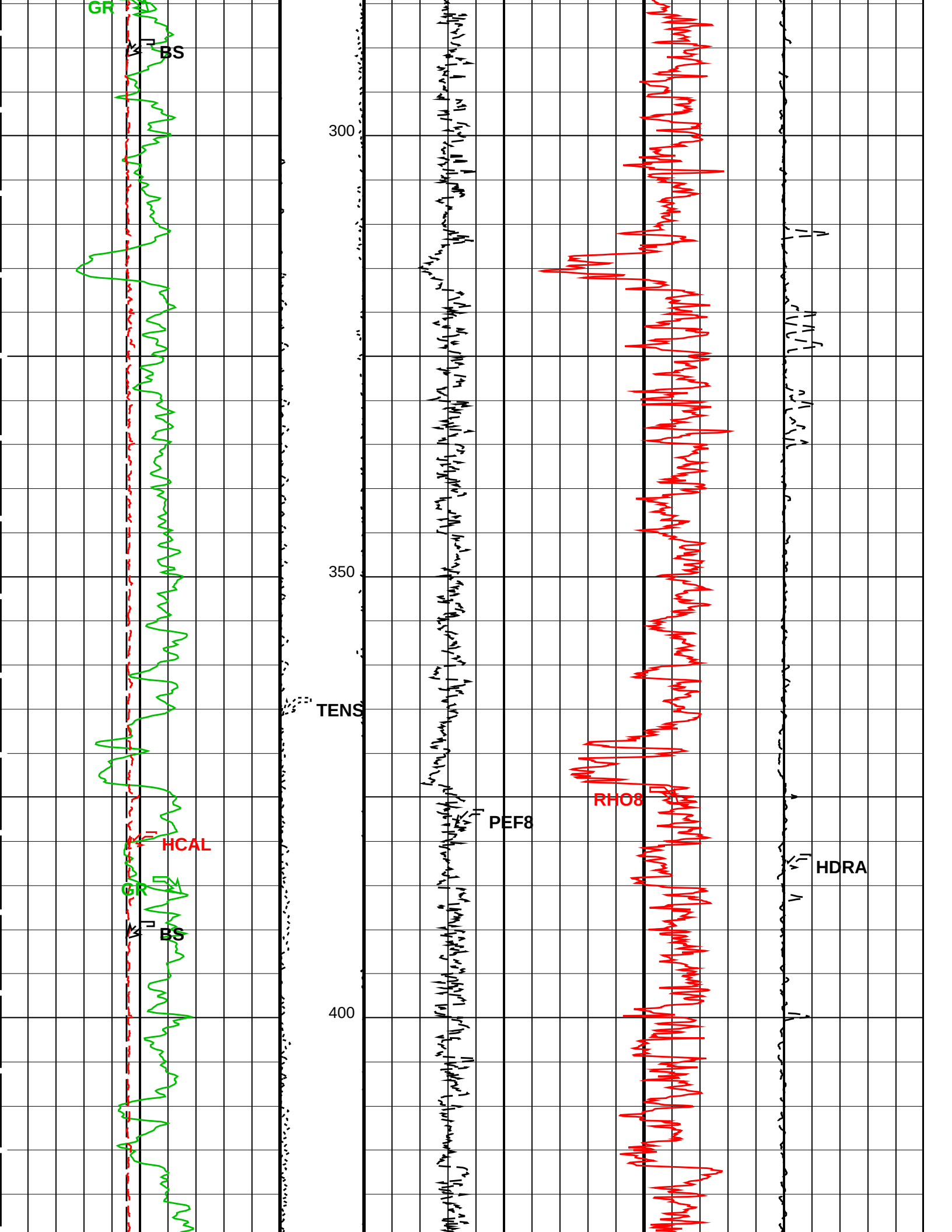
HILTB−FTB	13C0−300	DTC−H	13C0−300

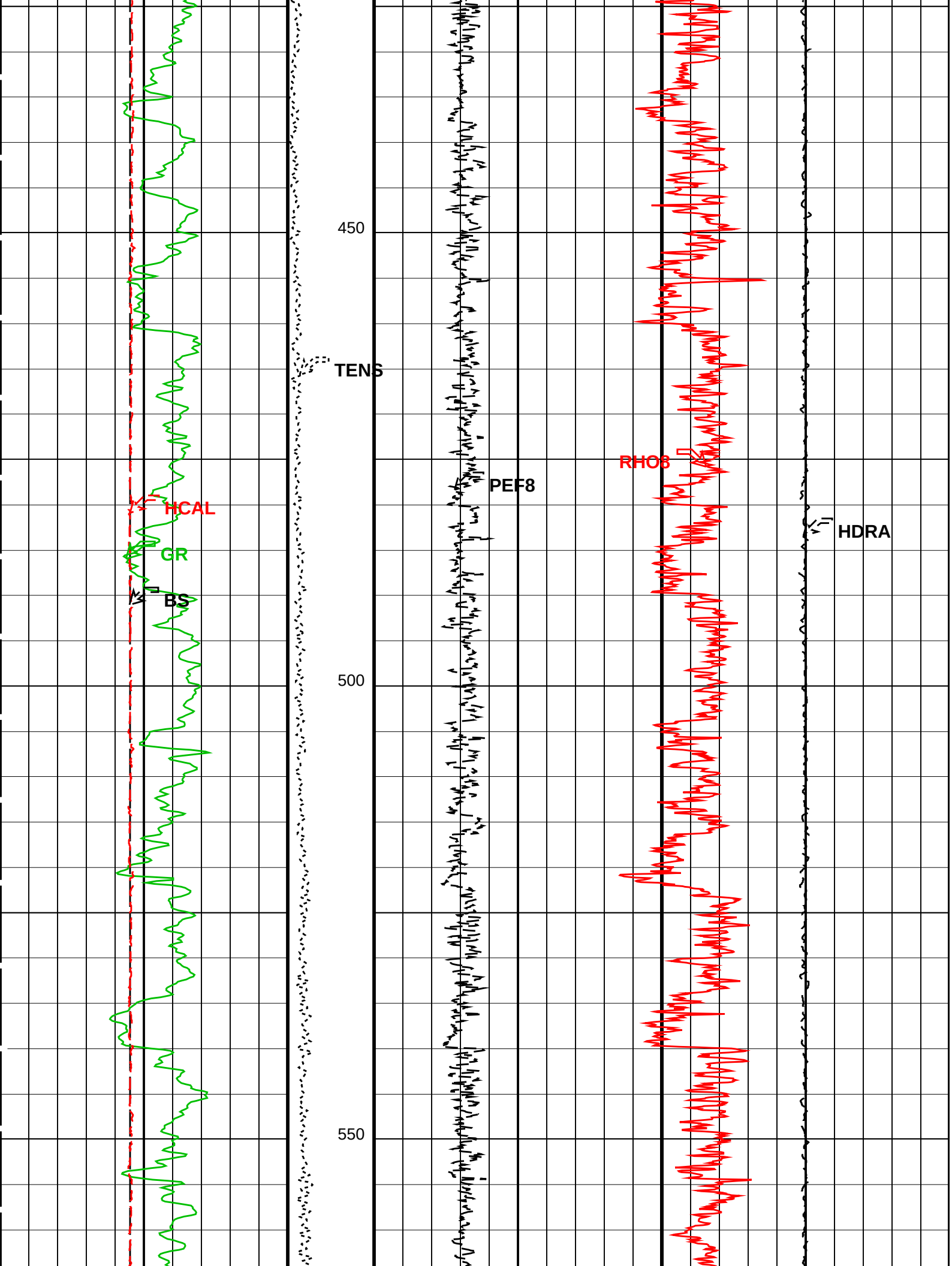
PIP SUMMARY

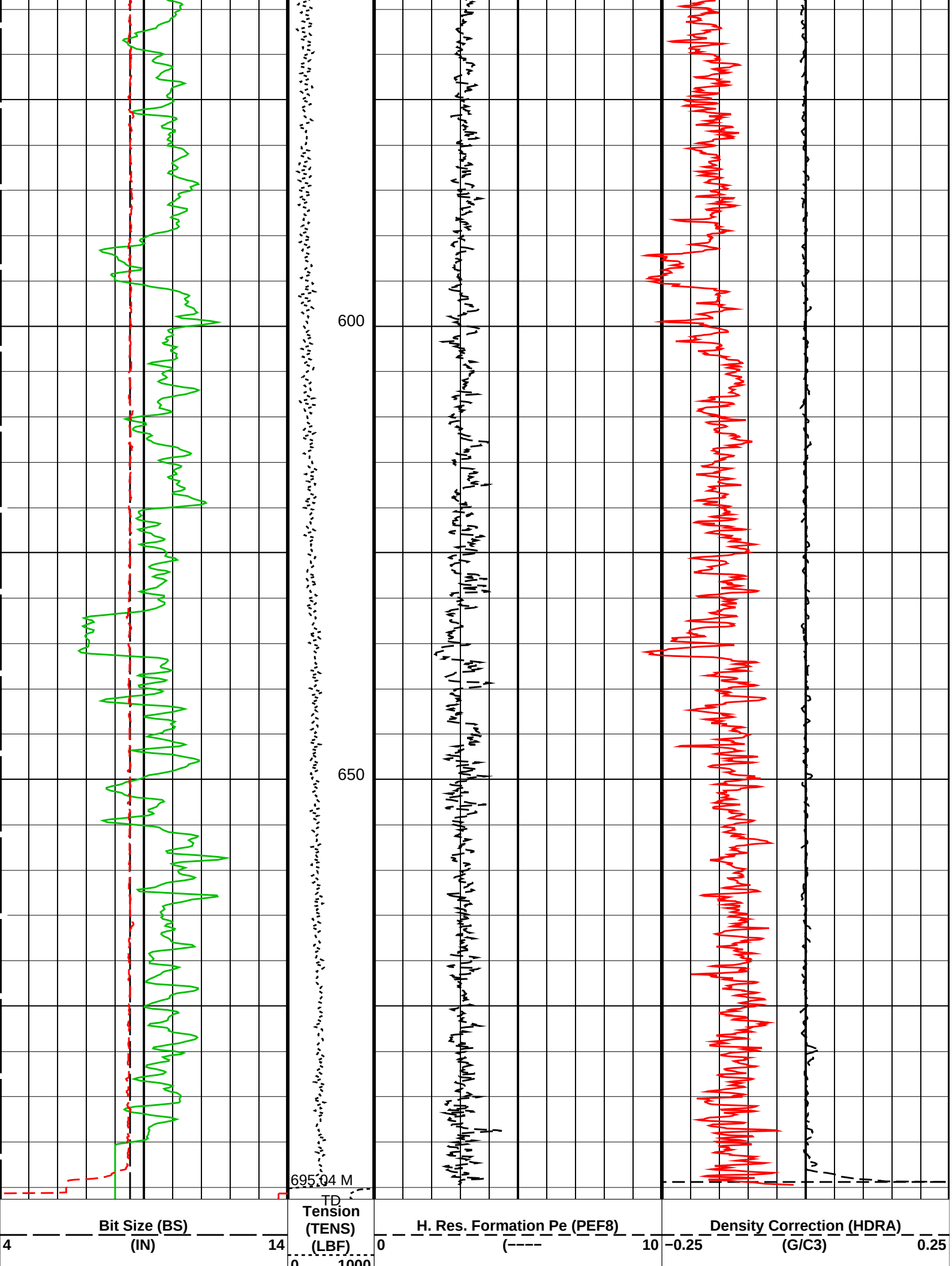
Time Mark Every 60 S


HILT Caliper (HCAL)
4 (IN) 14
Gamma Ray (GR)
0 (GAPI) 200
Bit Size (BS)
4 (IN) 14
Tension (TENS) (LBF)
0 1000
H. Res. Formation Density (RHO8)
1.95 (G/C3) 2.95
H. Res. Formation Pe (PEF8)
0 (---- 10
Density Correction (HDRA)
-0.25 (G/C3) 0.25
50
TENS
GR
100


150
TENS
HCAL
GR
Caliper check in casing 8.921"
BS
195.34 M
Casing shoe
200
250
TENS
HCAL
PEF8
RHO8
HDRA


GR
BS
300
350
TENS
HCAL
GR
BS
400
PEF8
RHO8
HDRA


450
TENS
HCAL
GR
BS
PEF8
RHO8
HDRA
500
550


600
650
695.04 M
TD
Bit Size (BS)
4
(IN)
14
Tension
(TENS)
(LBF)
0
1000
H. Res. Formation Pe (PEF8)
0
(----
10
Density Correction (HDRA)
-0.25
(G/C3)
0.25

Gamma Ray (GR)			H. Res. Formation Density (RHO8)		
0	(GAPI)	200	1.95	(G/C3)	2.95
HILT Caliper (HCAL)					
4	(IN)	14			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	HILTB−FTB: High resolution Integrated Logging Tool−DTS		
DHC	Density Hole Correction	BS	
NAAC	HRDD APS Activation Correction	OFF	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	HiRes	
NSAR	HRDD Depth Sampling Rate	1	IN
	System and Miscellaneous		
BS	Bit Size	8.500	IN
DFD	Drilling Fluid Density	1.00	G/C3
DO	Depth Offset for Playback	0.1	M
PP	Playback Processing	RECOMPUTE	

Format: BulkDensity_500 Vertical Scale: 1:500 Graphics File Created: 27−Aug−2005 21:23

OP System Version: 13C0−300

MCM

HILTB−FTB	13C0−300	DTC−H	13C0−300

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_014LUP	FN:20	PRODUCER	27−Aug−2005 17:39	696.2 M	−0.5 M

Output DLIS Files

DEFAULT	TLD_MCFL_CNL_027PUP	FN:44	PRODUCER	27−Aug−2005 21:23
CUSTOMER	TLD_MCFL_CNL_027PUC	FN:45	CUSTOMER	27−Aug−2005 21:23

Schlumberger

Bulk Density 1:200 Scale High Resolution

MAXIS Field Log

Company: Tipperary Oil and Gas Australia Well: Fairview 97

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_014LUP	FN:20	PRODUCER	27−Aug−2005 17:39	696.2 M	−0.5 M

Output DLIS Files

DEFAULT	TLD_MCFL_CNL_027PUP	FN:44	PRODUCER	27−Aug−2005 21:23	696.3 M	25.3 M
CUSTOMER	TLD_MCFL_CNL_027PUC	FN:45	CUSTOMER	27−Aug−2005 21:23	696.3 M	25.3 M

OP System Version: 13C0−300

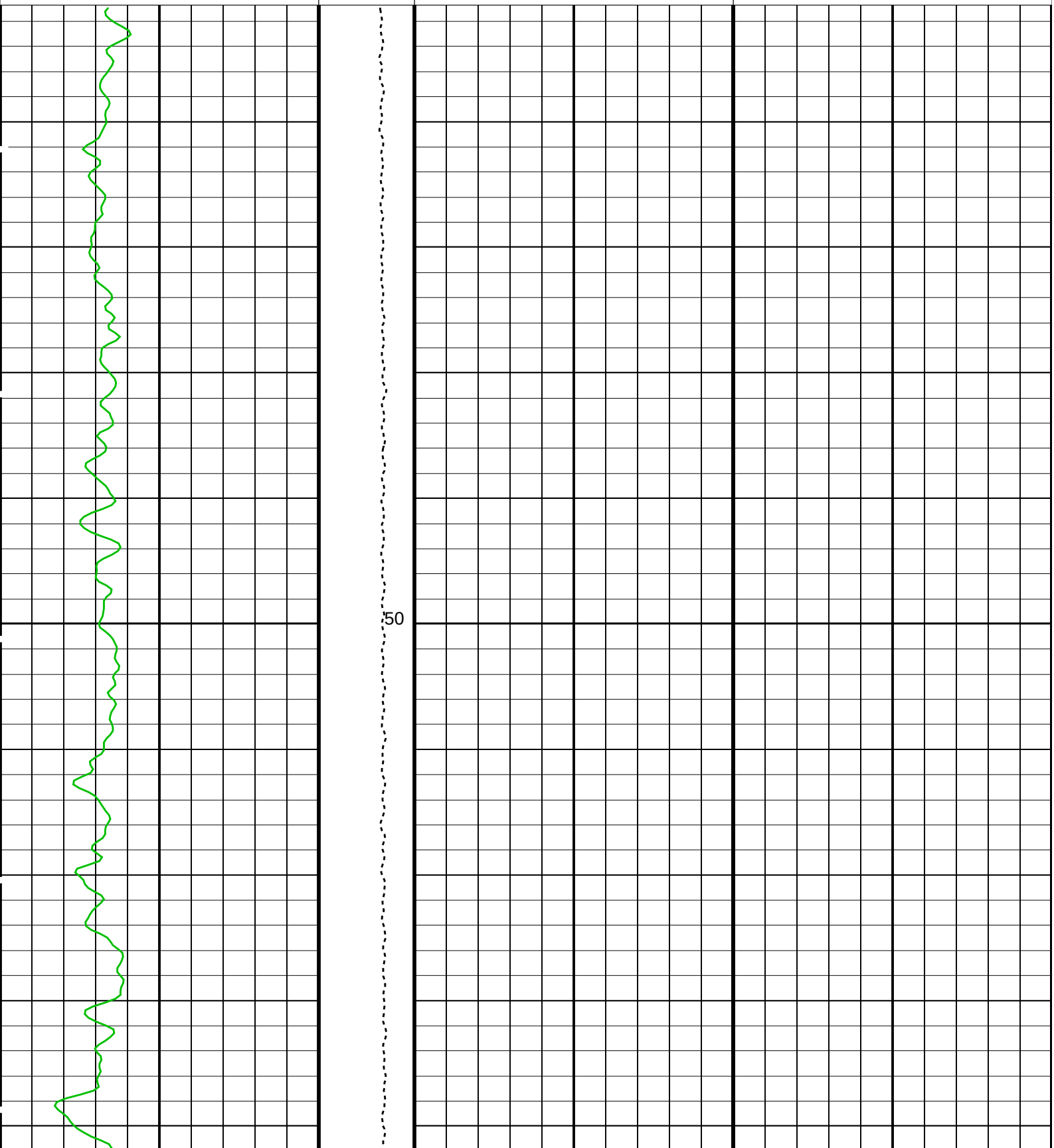
MCM

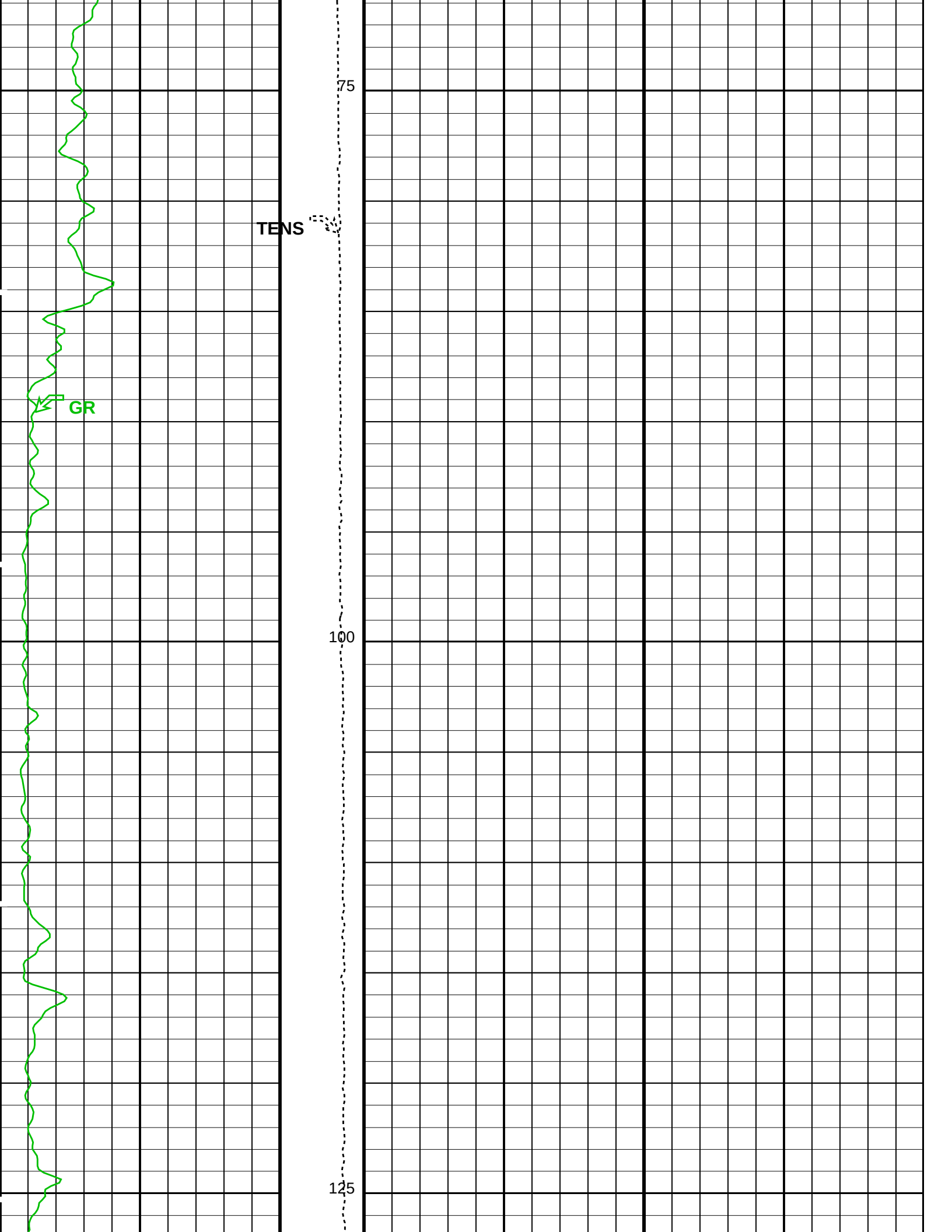
HILTB−FTB	13C0−300	DTC−H	13C0−300

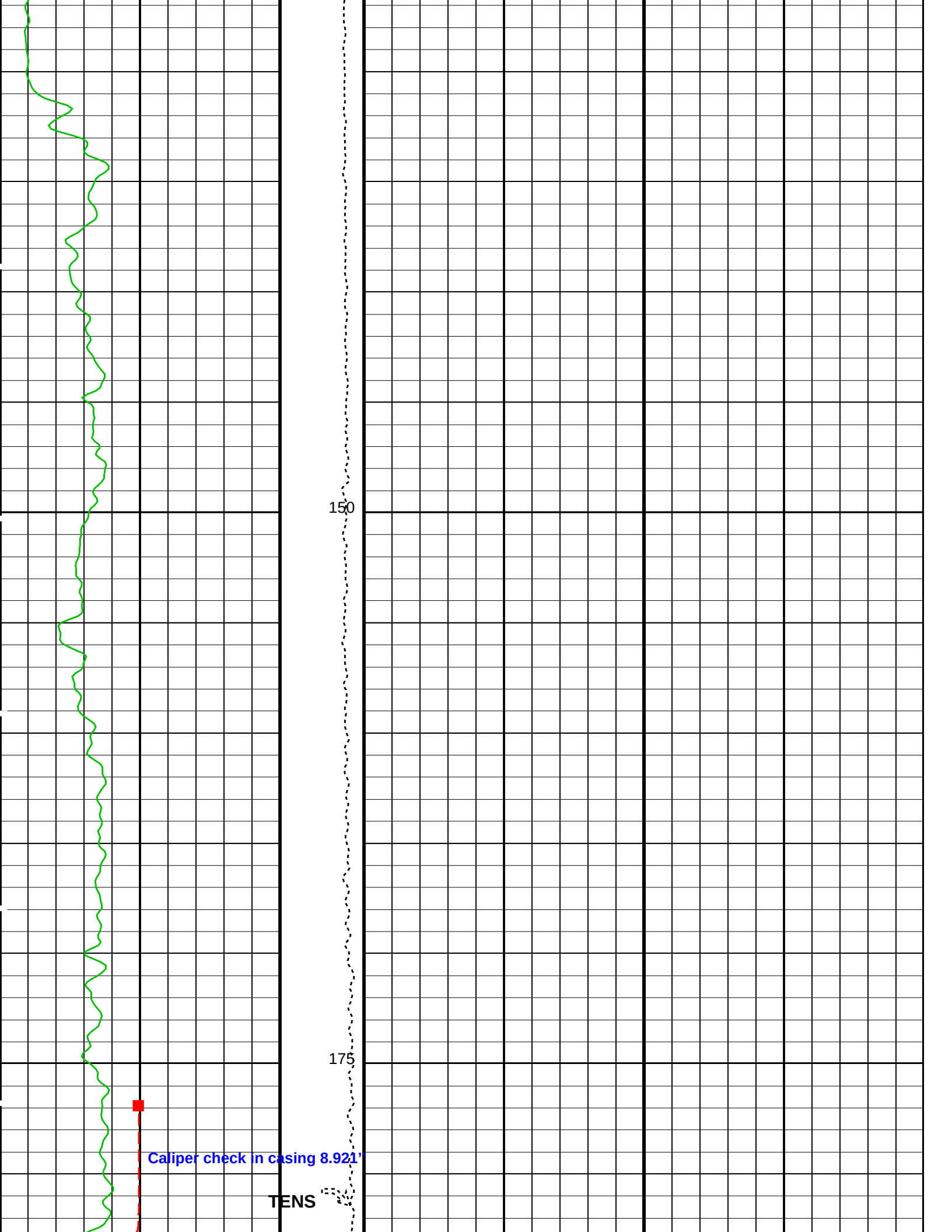
PIP SUMMARY

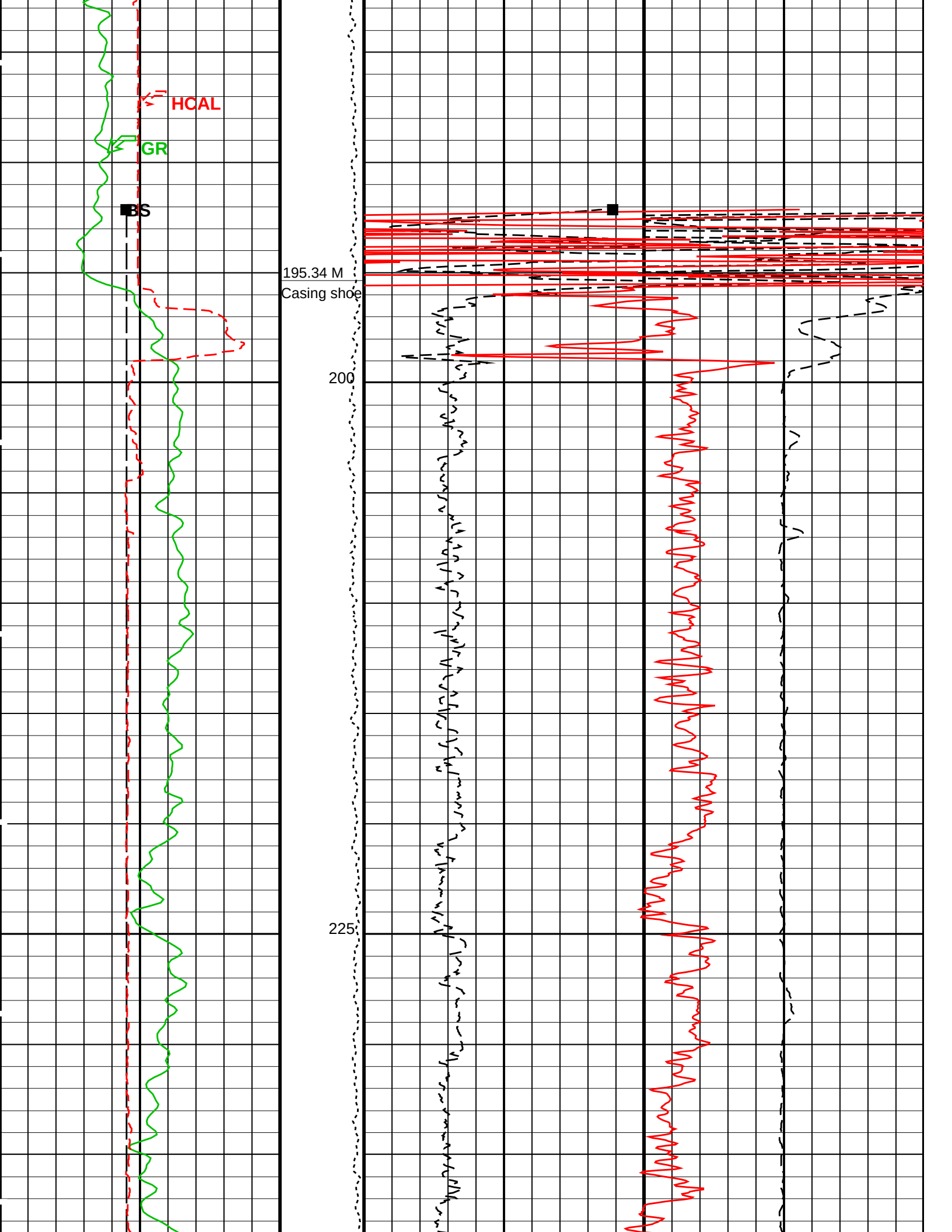
Time Mark Every 60 S

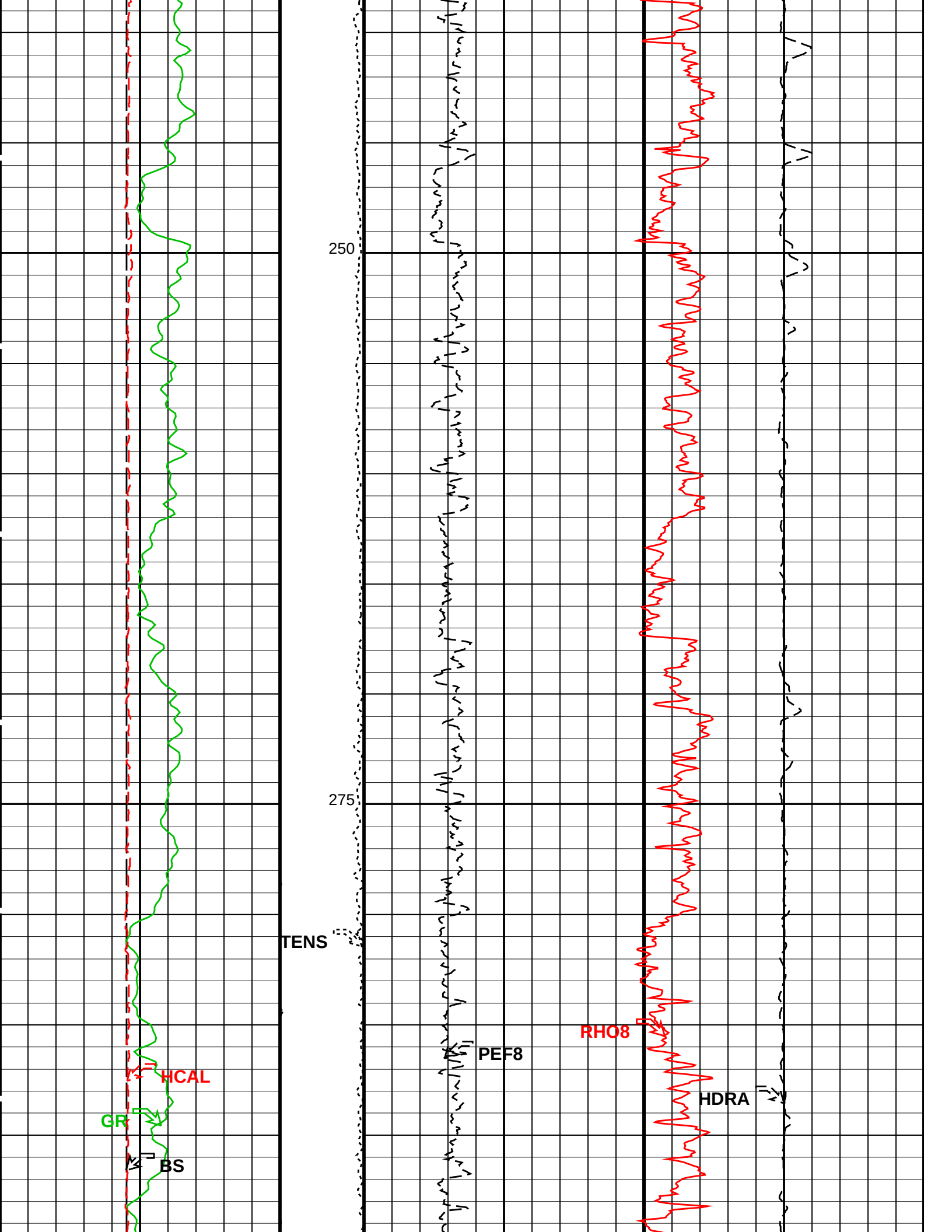
HILT Caliper (HCAL)	Gamma Ray (GR)		H. Res. Formation Density (RHO8)	Bit Size (BS)	Tension (TENS)	H. Res. Formation Pe (PEF8)	Density Correction (HDRA)
4 (IN) 14	0 (GAPI) 200		1.95 (G/C3) 2.95	4 (IN) 14	(LBF) 0 1000	0 (---- 10	−0.25 (G/C3) 0.25

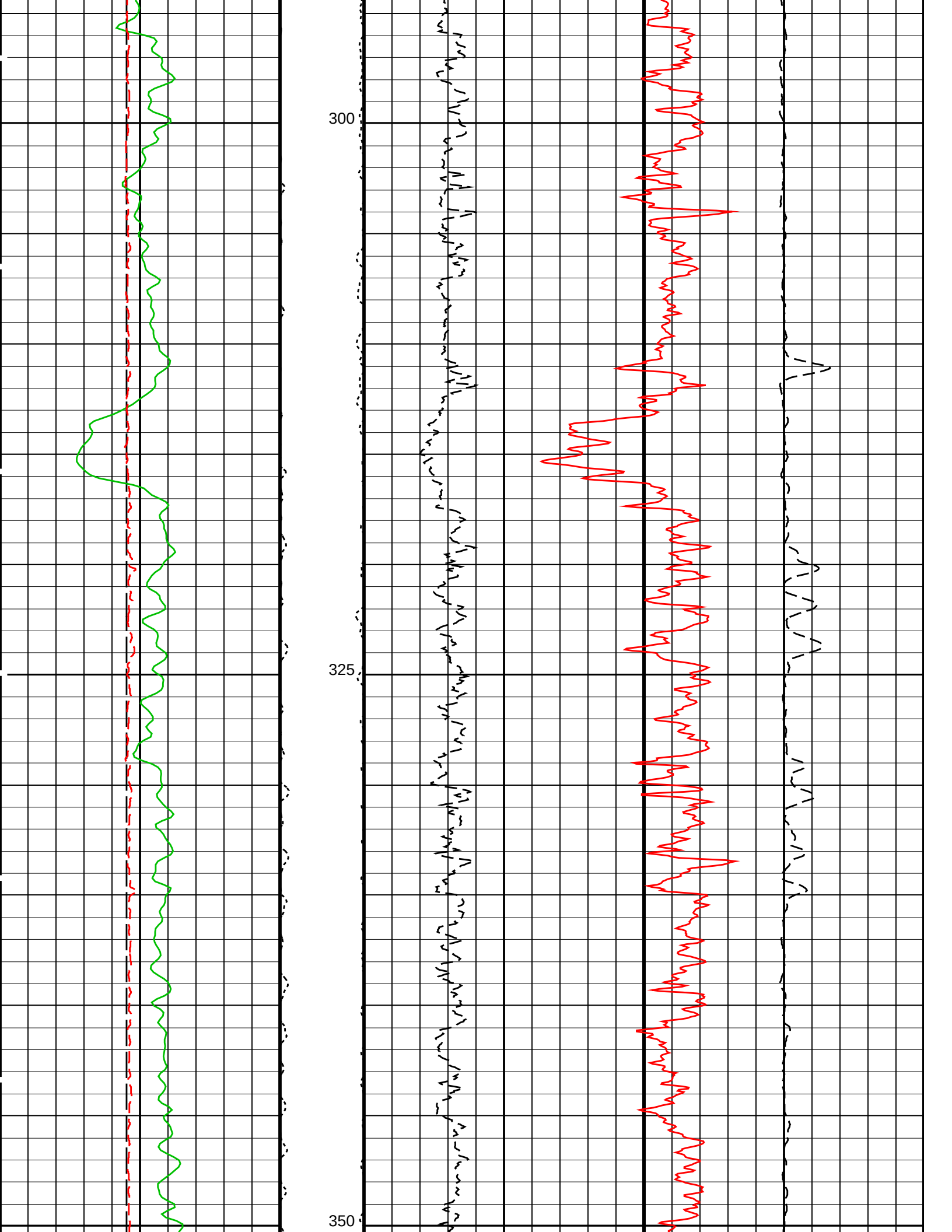


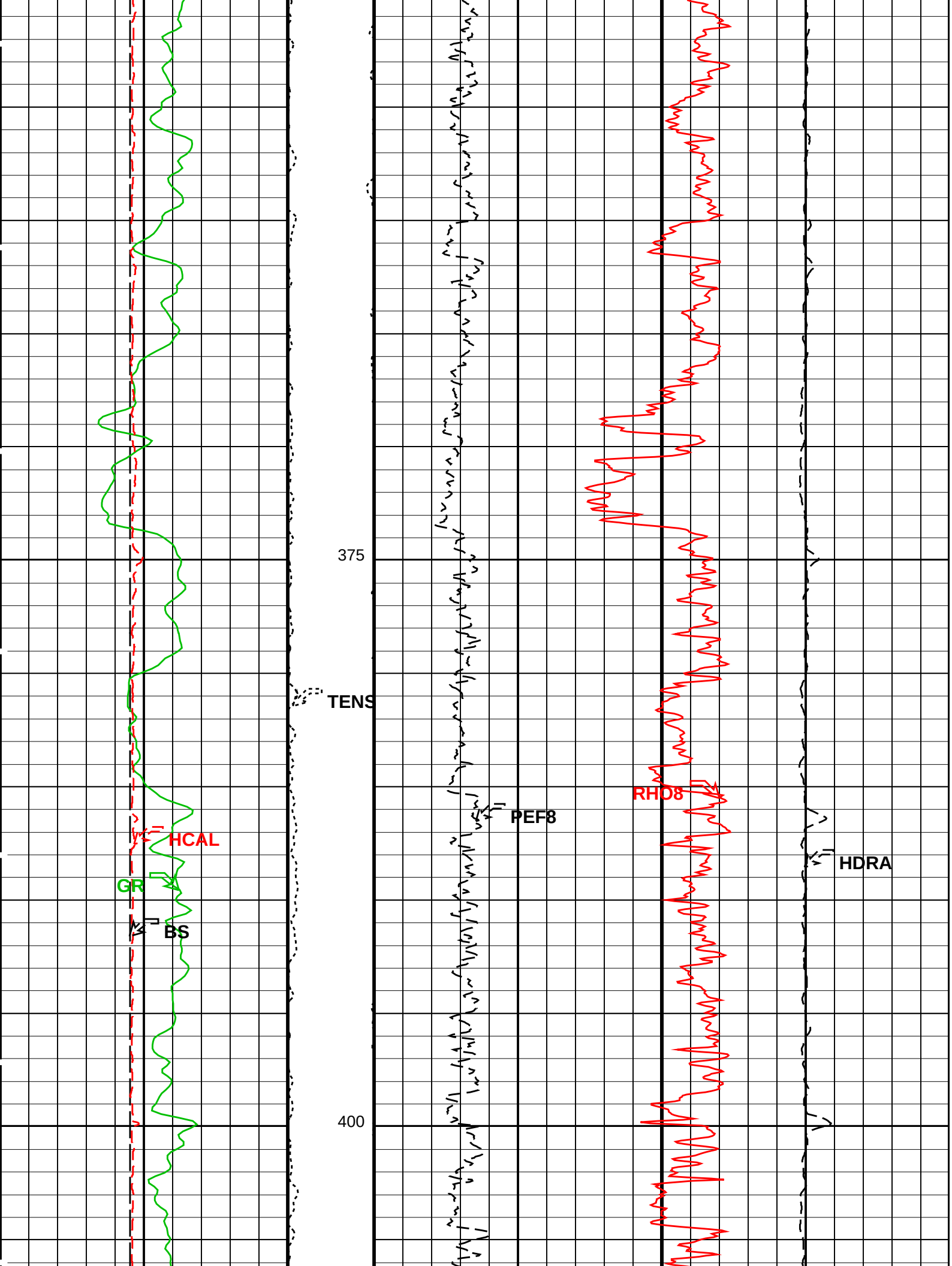

75
TENS
GR
100
125

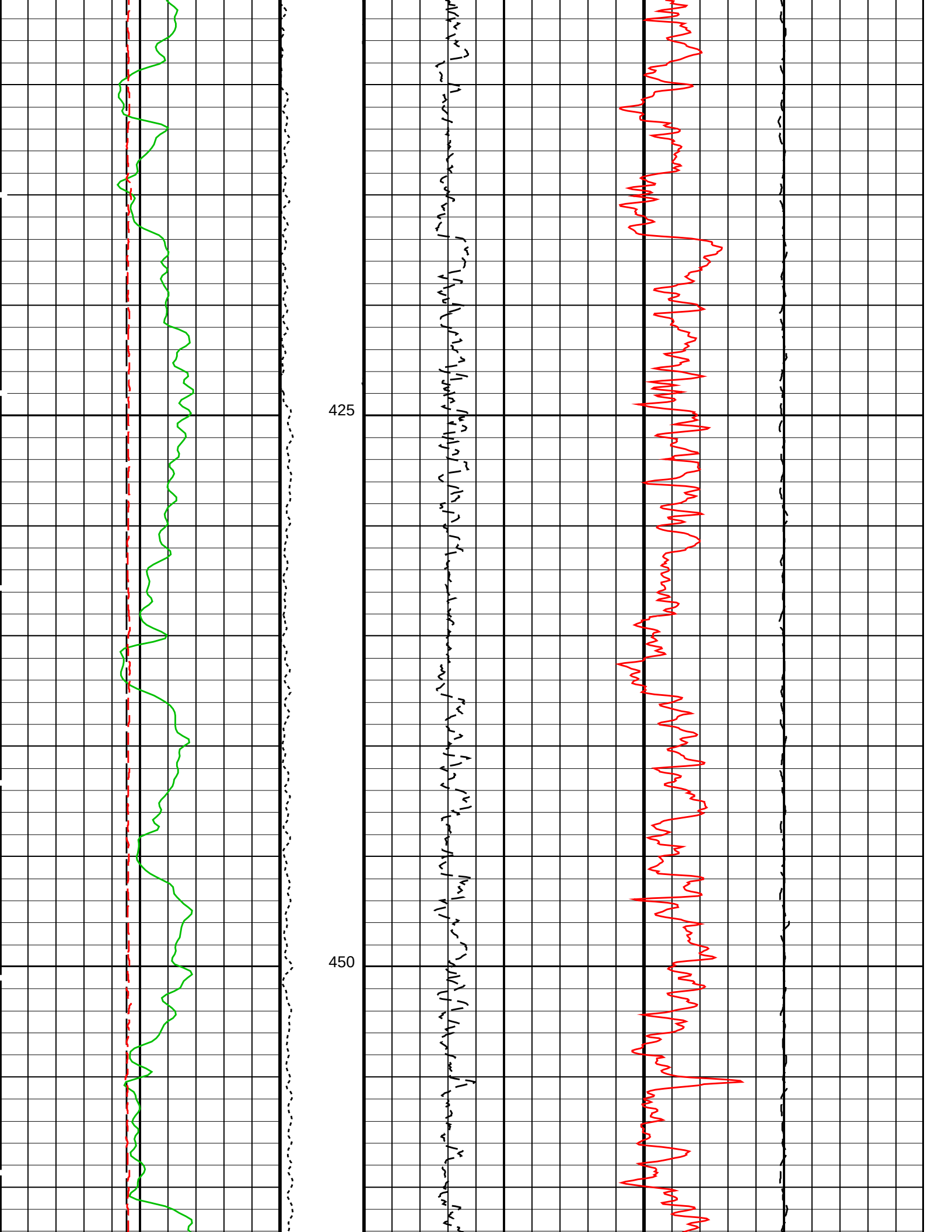

150
175
Caliper check in casing 8.921"
TENS

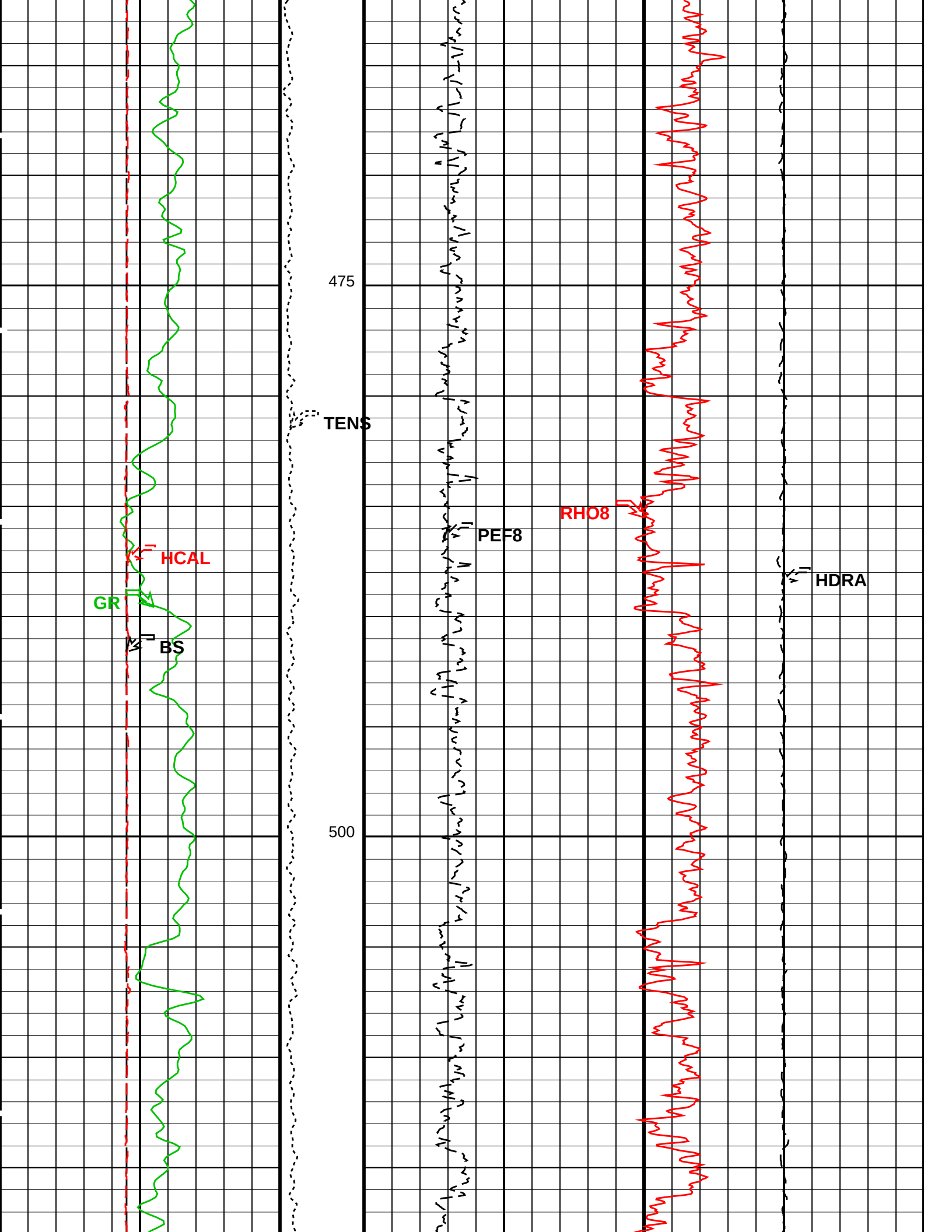

HCAL
GR
BS
195.34 M
Casing shoe
200
225

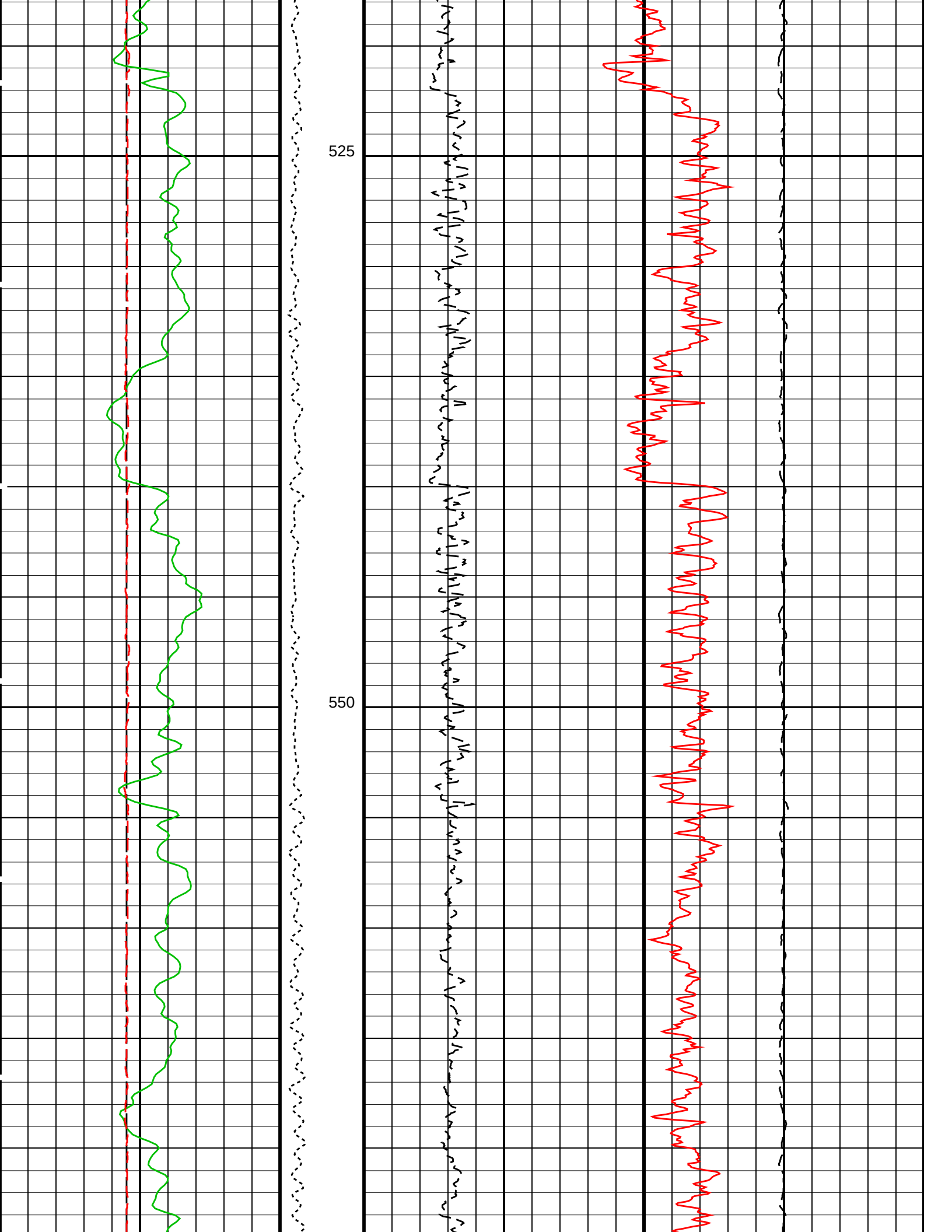

250
275
TENS
HCAL
GR
BS
PEF8
RHO8
HDRA

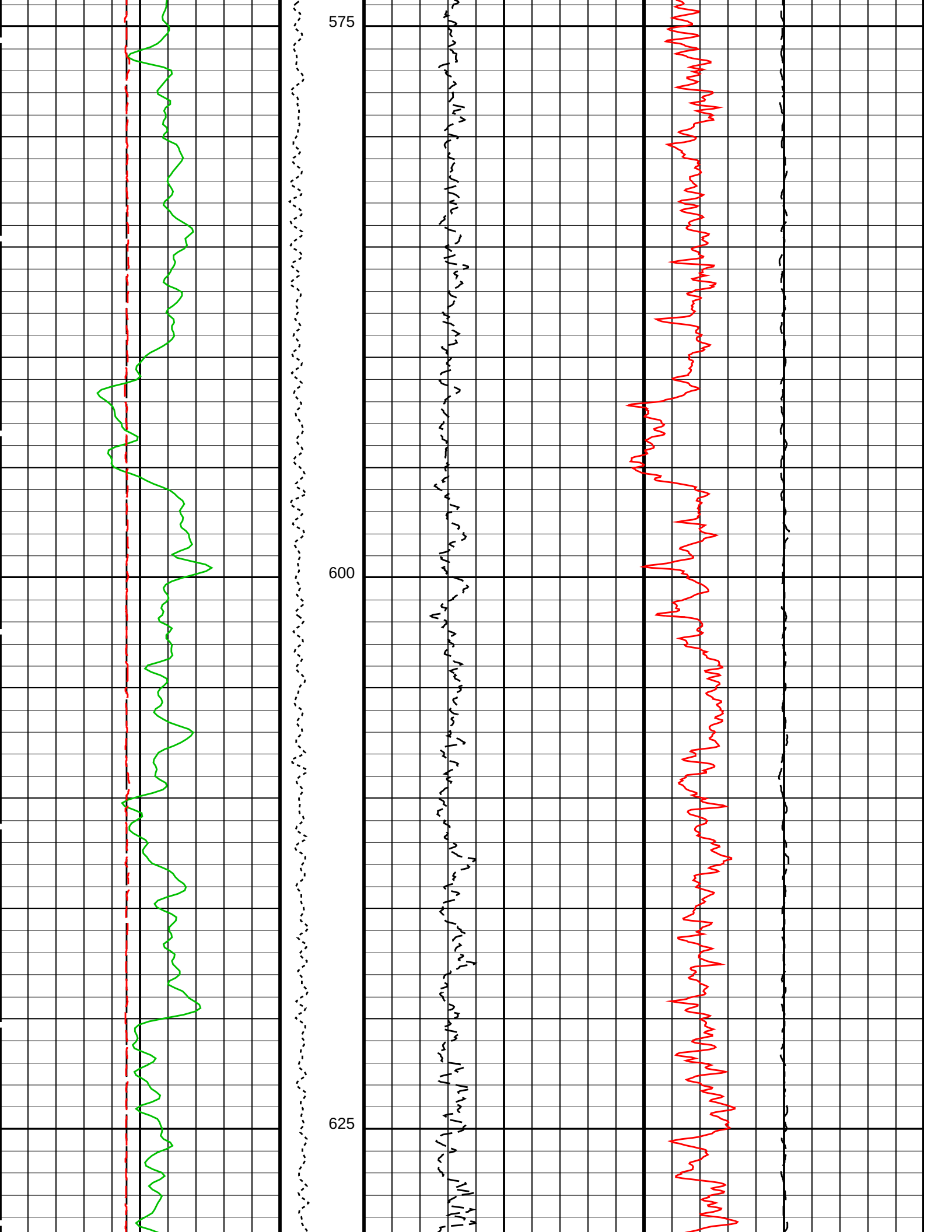

300
325
350

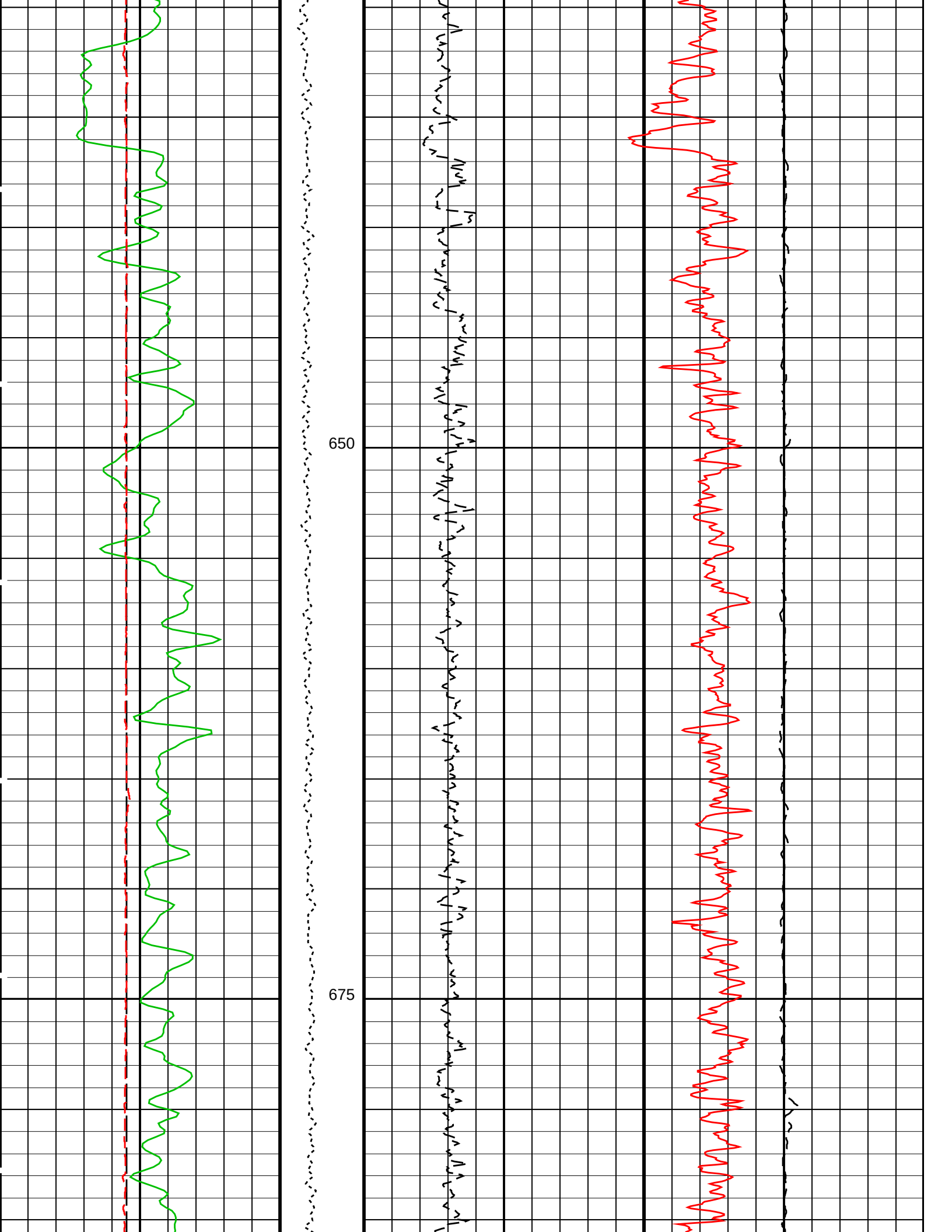

375
TENS
HCAL
GR
BS
PEF8
RHO8
HDRA
400

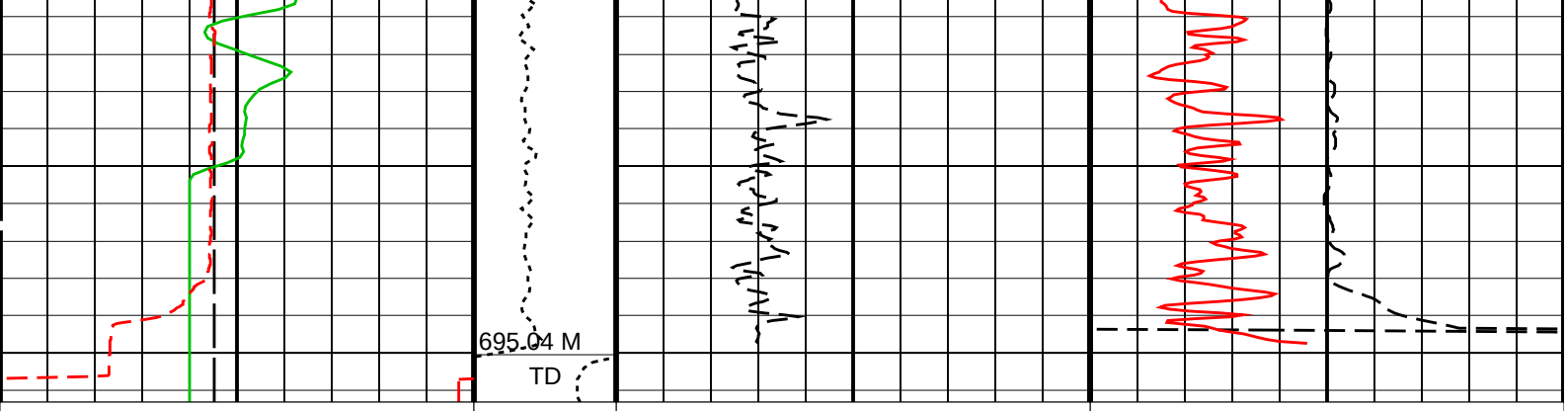

425
450


475
TENS
RHO8
PEF8
HCAL
HDRA
GR
BS
500


525
550


575
600
625


650
675



Bit Size (BS)	Tension (TENS)	H. Res. Formation Pe (PEF8)	Density Correction (HDRA)
4 (IN) 14	0 (LBF) 1000	0 (---- 10	−0.25 (G/C3) 0.25

Gamma Ray (GR)	H. Res. Formation Density (RHO8)
0 (GAPI) 200	1.95 (G/C3) 2.95

HILT Caliper (HCAL)
4 (IN) 14

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
HILTB−FTB: High resolution Integrated Logging Tool−DTS			
BHFL	Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	38.89	DEGC
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DHC	Density Hole Correction	BS	
DPPM	Density Porosity Processing Mode	HIRS	
EXSICL	External Shale Indicator Clean Value	20	
EXSISH	External Shale Indicator Shale Value	150	
FD	Fluid Density	1	G/C3
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
FPHI	Form Factor Porosity Source	DPHZ	
FSAL	Formation Salinity	−50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HACPP	Accelerometer PROM Presence	PRESENT_DOWNHOLE	
HART	Accelerometer Reference Temperature	20	DEGC
HDCOD	HILT Density Coal detection	2	G/C3
HDSAD	HILT Density Salt detection	2.1	G/C3
HILT_GAS_DENSITY	HILT Gas Downhole Density	0	G/C3
HILT_GAS_OPTION	HILT Gas Computation Option	OFF	
HNCOD	HILT Neutron Coal detection	45	PU
HNSAD	HILT Neutron Salt detection	5	PU
HPHIECUT	HILT effective Porosity Cutoff	5	PU
HSCO	Hole Size Correction Option	YES	
HSIS	HILT Shale Indicator Selection	GR	
HSWCUT	HILT Water Saturation from AITH cutoff	50	%
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.68	G/C3
MHC0	MCFL B0 Contrast Correction Coefficient	2.2e−005	OHMS
MHC1	MCFL B1 Contrast Correction Coefficient	3.2e−005	OHMS
MHCC	MCFL High Contrast Correction Switch	NO	
MPOF	MCFL Processing Operation Mode	ON	
MWCO	Mud Weight Correction Option	NO	
NAAC	HRDD APS Activation Correction	OFF	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	HiRes	
NSAR	HRDD Depth Sampling Rate	1	IN
PHIMAX	HILT max porosity	35	PU

PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SEXP_HILT	HILT Saturation Exponent	2	
SHT	Surface Hole Temperature	20	DEGC
SOCN	Standoff Distance	0.125	IN
SOCO	Standoff Correction Option	NO	
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	38.89	DEGC
FCD	Future Casing (Outer) Diameter	7	IN
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HVCS	Integrated Hole Volume Caliper Selection	HCAL	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
STI: Stuck Tool Indicator			
LBFR	Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	0.762	M
TDD	Total Depth − Driller	695.00	M
TDL	Total Depth − Logger	695.04	M
System and Miscellaneous			
ALTDPCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	8.500	IN
BSAL	Borehole Salinity	−50000.00	PPM
CSIZ	Current Casing Size	9.625	IN
CWEI	Casing Weight	36.00	LB/F
DFD	Drilling Fluid Density	1.00	G/C3
DO	Depth Offset for Playback	0.1	M
MST	Mud Sample Temperature	24.30	DEGC
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	RECOMPUTE	
RMFS	Resistivity of Mud Filtrate Sample	0.2380	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	695	M
TWS	Temperature of Connate Water Sample	37.78	DEGC

Format: BulkDensity_200 Vertical Scale: 1:200 Graphics File Created: 27−Aug−2005 21:23

OP System Version: 13C0−300

MCM

HILTB−FTB	13C0−300	DTC−H	13C0−300

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_014LUP	FN:20	PRODUCER	27−Aug−2005 17:39	696.2 M	−0.5 M

Output DLIS Files

DEFAULT	TLD_MCFL_CNL_027PUP	FN:44	PRODUCER	27−Aug−2005 21:23
CUSTOMER	TLD_MCFL_CNL_027PUC	FN:45	CUSTOMER	27−Aug−2005 21:23

Schlumberger

Repeat Analysis
1:200 Scale

MAXIS Field Log

Company: Tipperary Oil and Gas Australia Well: Fairview 97

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_013LUP	FN:18	PRODUCER	27−Aug−2005 17:26	696.0 M	614.8 M
DEFAULT	TLD_MCFL_CNL_014LUP	FN:20	PRODUCER	27−Aug−2005 17:39	696.2 M	−0.5 M

Output DLIS Files

DEFAULT	TLD_MCFL_CNL_028PUP	FN:46	PRODUCER	27−Aug−2005 21:28	696.2 M	615.4 M
CUSTOMER	TLD_MCFL_CNL_028PUC	FN:47	CUSTOMER	27−Aug−2005 21:28	696.2 M	615.4 M

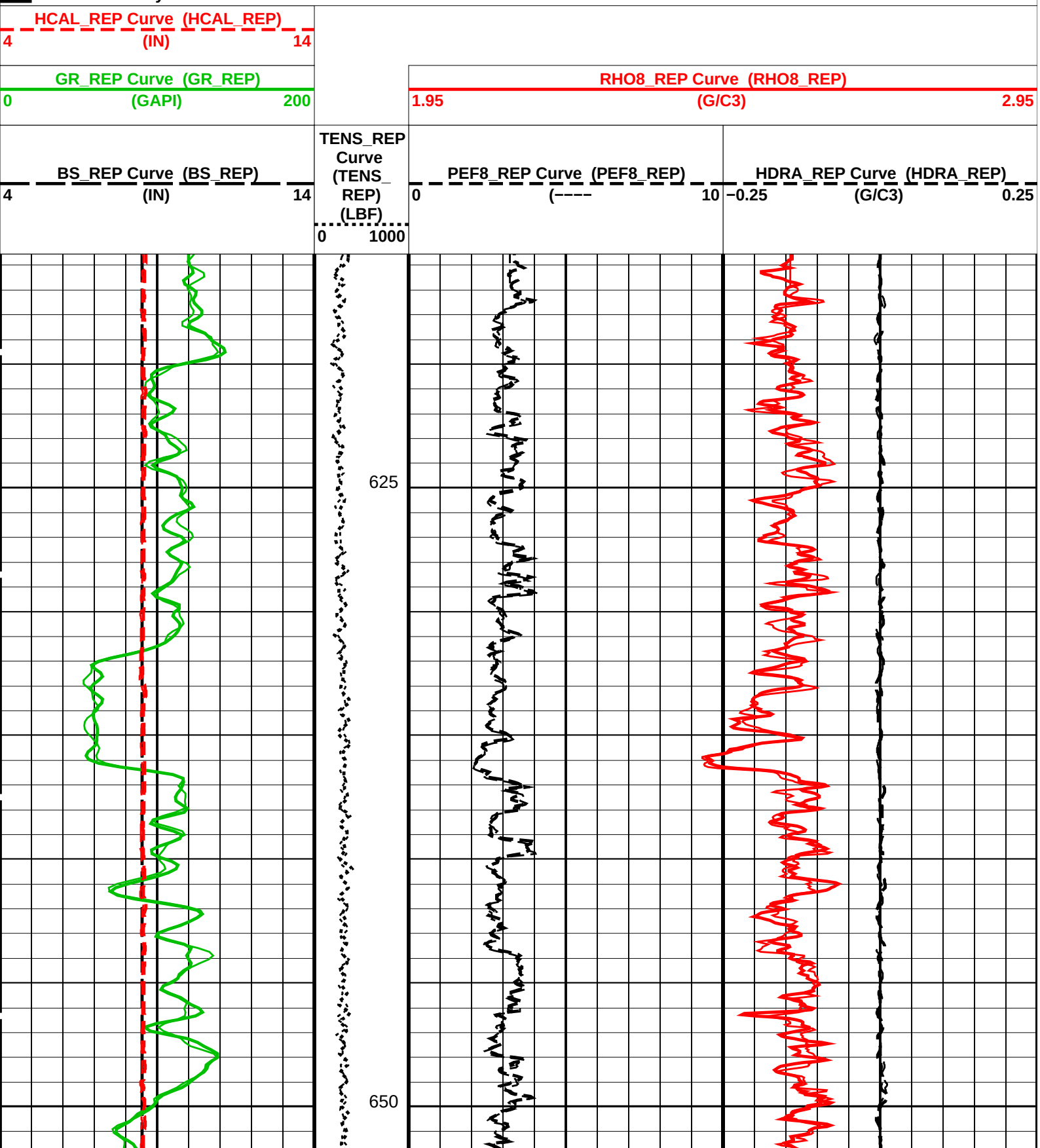
OP System Version: 13C0−300

MCM

HILTB−FTB	13C0−300	DTC−H	13C0−300

PIP SUMMARY

Time Mark Every 60 S



675

BS_REP Curve (BS_REP)
4 (IN) 14

GR_REP Curve (GR_REP)
0 (GAPI) 200

HCAL_REP Curve (HCAL_REP)
4 (IN) 14

TENS_REP Curve (TENS_REP) (LBF)
0 1000

PEF8_REP Curve (PEF8_REP)
0 (----- 10

RHO8_REP Curve (RHO8_REP)
1.95 (G/C3) 2.95

HDRA_REP Curve (HDRA_REP)
−0.25 (G/C3) 0.25

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	HILTB−FTB: High resolution Integrated Logging Tool−DTS		
DHC	Density Hole Correction	BS	
NAAC	HRDD APS Activation Correction	OFF	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	HiRes	
NSAR	HRDD Depth Sampling Rate	1	IN
	System and Miscellaneous		
BS	Bit Size	8.500	IN
DFD	Drilling Fluid Density	1.00	G/C3
DO	Depth Offset for Playback	0.1	M
DORL	Depth Offset for Repeat Analysis	0.1	M
PP	Playback Processing	RECOMPUTE	

Format: BulkDensity_200_REP Vertical Scale: 1:200 Graphics File Created: 27−Aug−2005 21:28

OP System Version: 13C0−300

MCM

HILTB−FTB	13C0−300	DTC−H	13C0−300

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_013LUP	FN:18	PRODUCER	27−Aug−2005 17:26	696.0 M	614.8 M
DEFAULT	TLD_MCFL_CNL_014LUP	FN:20	PRODUCER	27−Aug−2005 17:39	696.2 M	−0.5 M

Output DLIS Files

DEFAULT	TLD_MCFL_CNL_028PUP	FN:46	PRODUCER	27−Aug−2005 21:28
CUSTOMER	TLD_MCFL_CNL_028PUC	FN:47	CUSTOMER	27−Aug−2005 21:28

Schlumberger

Calibrations
1:200 Scale

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
High resolution Integrated Logging Tool−DTS Wellsite Calibration − Stab Measurement Summary							
Before: 27−Aug−2005 16:54							
BS Window Ratio	0.7200	N/A	0.7234	N/A	N/A	N/A	
BS Window Sum	10360	N/A	10370	N/A	N/A	N/A	CPS
SS Window Ratio	0.4835	N/A	0.4845	N/A	N/A	N/A	
SS Window Sum	10600	N/A	10580	N/A	N/A	N/A	CPS
LS Window Ratio	0.2951	N/A	0.2926	N/A	N/A	N/A	
LS Window Sum	1105	N/A	1100	N/A	N/A	N/A	CPS
High resolution Integrated Logging Tool−DTS Wellsite Calibration − Photo−multiplier High Voltages Calibrations							
Before: 27−Aug−2005 16:54							
BS PM High Voltage (Command)	1792	N/A	1799	N/A	N/A	N/A	V
SS PM High Voltage (Command)	1847	N/A	1846	N/A	N/A	N/A	V
LS PM High Voltage (Command)	1701	N/A	1715	N/A	N/A	N/A	V
High resolution Integrated Logging Tool−DTS Wellsite Calibration − Crystal Quality Resolutions Calibration							
Before: 27−Aug−2005 16:54							
BS Crystal Resolution	11.51	N/A	11.60	N/A	N/A	N/A	%
SS Crystal Resolution	11.14	N/A	11.13	N/A	N/A	N/A	%

SS Crystal Resolution	11.14	N/A	11.13	N/A	N/A	N/A	%
LS Crystal Resolution	10.25	N/A	10.07	N/A	N/A	N/A	%

High resolution Integrated Logging Tool−DTS Wellsite Calibration − MCFL Calibration
Before: 27−Aug−2005 16:48

Raw B0 Resistivity	3875	N/A	3894	N/A	N/A	N/A	OHMM
Raw B1 Resistivity	3830	N/A	3834	N/A	N/A	N/A	OHMM
Raw B2 Resistivity	3830	N/A	3841	N/A	N/A	N/A	OHMM

High resolution Integrated Logging Tool−DTS Wellsite Calibration − HILT Caliper Calibration
Before: 27−Aug−2005 16:50

HILT Caliper Zero Measurement	8.000	N/A	8.008	N/A	N/A	N/A	IN
HILT Caliper Plus Measurement	12.00	N/A	12.11	N/A	N/A	N/A	IN

High resolution Integrated Logging Tool−DTS Wellsite Calibration − Detector Calibration
Before: 27−Aug−2005 16:42

Gamma Ray Background	30.00	N/A	22.44	N/A	N/A	N/A	GAPI
Gamma Ray (Jig − Bkg)	167.4	N/A	167.4	N/A	N/A	15.22	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI

High resolution Integrated Logging Tool−DTS Wellsite Calibration − Zero Measurement
Master: 8−Jul−2005 11:59 Before: 27−Aug−2005 16:46

CNTC Background	30.96	30.96	30.70	N/A	N/A	4.644	CPS
CFTC Background	28.22	28.22	27.36	N/A	N/A	4.233	CPS

High resolution Integrated Logging Tool−DTS Wellsite Calibration − Ratio Measurement
Master: 8−Jul−2005 11:59

Thermal Near Corr. (Tank)	6031	5835	N/A	N/A	N/A	N/A	CPS
Thermal Far Corr. (Tank)	2793	2463	N/A	N/A	N/A	N/A	CPS
CNTC/CFTC (Tank)	2.159	2.369	N/A	N/A	N/A	N/A	

High resolution Integrated Logging Tool−DTS Wellsite Calibration − Accelerometer Calibration
Before: 27−Aug−2005 16:45

Z−Axis Acceleration	9.810	N/A	9.784	N/A	N/A	N/A	M/S2

High resolution Integrated Logging Tool−DTS Master Calibration − Inversion results
Master: 23−Aug−2005 13:31

Rho Aluminum	2.596	2.602	−−	−−	−−	−−	G/C3
Rho Magnesium	1.686	1.685	−−	−−	−−	−−	G/C3
Pe Aluminum	2.570	2.569	−−	−−	−−	−−	
Pe Magnesium	2.650	2.625	−−	−−	−−	−−	

High resolution Integrated Logging Tool−DTS Master Calibration − Deviation Summary
Master: 23−Aug−2005 13:31

BS Average Deviation	0	0.4236	−−	−−	−−	−−	%
BS Max Deviation	0	1.107	−−	−−	−−	−−	%
SS Average Deviation	0	0.1977	−−	−−	−−	−−	%
SS Max Deviation	0	0.8136	−−	−−	−−	−−	%
LS Average Deviation	0	0.6894	−−	−−	−−	−−	%
LS Max Deviation	0	1.549	−−	−−	−−	−−	%

The GLS−VJ source activity is acceptable.

The HGNS Neutron Master Calibration was done with the following parameters :

NCT−B Water Temperature 20.0 DEGC.
Thermal Housing Size 3.380 IN.

High resolution Integrated Logging Tool−DTS / Equipment Identification

Primary Equipment:

HILT high−Resolution Mechanical Sonde	HRMS − B	748
HILT Rxo Gamma−ray Device	HRGD − B	1736
HILT Nuclear Back−Scatter Detector	HILT −	
HILT Nuclear Short−Spacing Detector	HILT −	
HILT Nuclear Long−Spacing Detector	HILT −	
Micro Cylindrically Focused Log Device	MCFL −	
GR Logging Source	GLS − VJ	3739
HILT High Res. Control Cartridge	HRCC − B	790

Auxiliary Equipment:

High resolution Integrated Logging Tool−DTS Wellsite Calibration
Stab Measurement Summary

Phase	BS Window Ratio	Value	Phase	SS Window Ratio	Value	Phase	LS Window Ratio	Value

Phase	BS Window Ratio	Value	Phase	SS Window Ratio	Value	Phase	LS Window Ratio	Value
Before		0.7234	Before		0.4845	Before		0.2926
0.6840 (Minimum)	0.7200 (Nominal) / 0.7560 (Maximum)		0.4593 (Minimum)	0.4835 (Nominal) / 0.5077 (Maximum)		0.2803 (Minimum)	0.2951 (Nominal) / 0.3098 (Maximum)	
Phase	BS Window Sum CPS	Value	Phase	SS Window Sum CPS	Value	Phase	LS Window Sum CPS	Value
Before		10370	Before		10580	Before		1100
9844 (Minimum)	10360 (Nominal) / 10880 (Maximum)		10070 (Minimum)	10600 (Nominal) / 11130 (Maximum)		1049 (Minimum)	1105 (Nominal) / 1160 (Maximum)	

Before: 27−Aug−2005 16:54

High resolution Integrated Logging Tool−DTS Wellsite Calibration

Photo−multiplier High Voltages Calibrations

Phase	BS PM High Voltage (Command) V	Value	Phase	SS PM High Voltage (Command) V	Value	Phase	LS PM High Voltage (Command) V	Value
Before		1799	Before		1846	Before		1715
1692 (Minimum)	1792 (Nominal) / 1892 (Maximum)		1747 (Minimum)	1847 (Nominal) / 1947 (Maximum)		1601 (Minimum)	1701 (Nominal) / 1801 (Maximum)	

Before: 27−Aug−2005 16:54

High resolution Integrated Logging Tool−DTS Wellsite Calibration

Crystal Quality Resolutions Calibration

Phase	BS Crystal Resolution %	Value	Phase	SS Crystal Resolution %	Value	Phase	LS Crystal Resolution %	Value
Before		11.60	Before		11.13	Before		10.07
10.51 (Minimum)	11.51 (Nominal) / 12.51 (Maximum)		10.14 (Minimum)	11.14 (Nominal) / 12.14 (Maximum)		9.249 (Minimum)	10.25 (Nominal) / 11.25 (Maximum)	

Before: 27−Aug−2005 16:54

High resolution Integrated Logging Tool−DTS Wellsite Calibration

MCFL Calibration

Phase	Raw B0 Resistivity OHMM	Value	Phase	Raw B1 Resistivity OHMM	Value	Phase	Raw B2 Resistivity OHMM	Value
Before		3894	Before		3834	Before		3841
3565 (Minimum)	3875 (Nominal) / 4185 (Maximum)		3524 (Minimum)	3830 (Nominal) / 4136 (Maximum)		3524 (Minimum)	3830 (Nominal) / 4136 (Maximum)	

Before: 27−Aug−2005 16:48

High resolution Integrated Logging Tool−DTS Wellsite Calibration

HILT Caliper Calibration

Phase	HILT Caliper Zero Measurement IN	Value	Phase	HILT Caliper Plus Measurement IN	Value
Before		8.008	Before		12.11
6.000 (Minimum)	8.000 (Nominal) / 10.00 (Maximum)		9.000 (Minimum)	12.00 (Nominal) / 15.00 (Maximum)	

Before: 27−Aug−2005 16:50

High resolution Integrated Logging Tool−DTS Wellsite Calibration

Detector Calibration

Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig − Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value
Before		22.44	Before		167.4	Before		165.0
0 (Minimum)	30.00 (Nominal) / 120.0 (Maximum)		152.2 (Minimum)	167.4 (Nominal) / 182.7 (Maximum)		150.0 (Minimum)	165.0 (Nominal) / 180.0 (Maximum)	

Before: 27−Aug−2005 16:42

High resolution Integrated Logging Tool−DTS Wellsite Calibration

Zero Measurement

Phase	CNTC Background CPS	Value	Phase	CFTC Background CPS	Value
Master		30.96	Master		28.22
Before		30.70	Before		27.36
5.000 (Minimum)	30.96 (Nominal) / 40.00 (Maximum)		5.000 (Minimum)	28.22 (Nominal) / 40.00 (Maximum)	

Master: 8−Jul−2005 11:59 Before: 27−Aug−2005 16:46

High resolution Integrated Logging Tool−DTS Wellsite Calibration

Ratio Measurement

Phase	Thermal Near Corr. (Tank) CPS	Value	Phase	Thermal Far Corr. (Tank) CPS	Value	Phase	CNTC/CFTC (Tank)	Value
Master		5835	Master		2463	Master		2.369
5000 (Minimum)	6031 (Nominal) / 7200 (Maximum)		2075 (Minimum)	2793 (Nominal) / 3125 (Maximum)		2.120 (Minimum)	2.159 (Nominal) / 2.540 (Maximum)	

Master: 8−Jul−2005 11:59

High resolution Integrated Logging Tool−DTS Wellsite Calibration			
Accelerometer Calibration			
Phase	Z−Axis Acceleration M/S2		Value
Before			9.784
9.610 (Minimum)	9.810 (Nominal)	10.01 (Maximum)	
Before: 27−Aug−2005 16:45			

High resolution Integrated Logging Tool−DTS Master Calibration							
Inversion results							
Phase	Rho Aluminum G/C3		Value	Phase	Rho Magnesium G/C3		Value
Master			2.602	Master			1.685
2.586 (Minimum)	2.596 (Nominal)	2.606 (Maximum)		1.676 (Minimum)	1.686 (Nominal)	1.696 (Maximum)	
Phase	Pe Aluminum		Value	Phase	Pe Magnesium		Value
Master			2.569	Master			2.625
2.470 (Minimum)	2.570 (Nominal)	2.670 (Maximum)		2.550 (Minimum)	2.650 (Nominal)	2.750 (Maximum)	
Master: 23−Aug−2005 13:31							

High resolution Integrated Logging Tool−DTS Master Calibration											
Deviation Summary											
Phase	BS Average Deviation %		Value	Phase	SS Average Deviation %		Value	Phase	LS Average Deviation %		Value
Master			0.4236	Master			0.1977	Master			0.6894
−0.6000 (Minimum)	0 (Nominal)	0.6000 (Maximum)		−1.000 (Minimum)	0 (Nominal)	1.000 (Maximum)		−1.500 (Minimum)	0 (Nominal)	1.500 (Maximum)	
Phase	BS Max Deviation %		Value	Phase	SS Max Deviation %		Value	Phase	LS Max Deviation %		Value
Master			1.107	Master			0.8136	Master			1.549
−1.600 (Minimum)	0 (Nominal)	1.600 (Maximum)		−2.500 (Minimum)	0 (Nominal)	2.500 (Maximum)		−3.500 (Minimum)	0 (Nominal)	3.500 (Maximum)	
Master: 23−Aug−2005 13:31											

High resolution Integrated Logging Tool−DTS Master Calibration							
Zero Measurement							
Phase	CNTC Background CPS		Value	Phase	CFTC Background CPS		Value
Master			30.96	Master			28.22
5.000 (Minimum)	30.96 (Nominal)	40.00 (Maximum)		5.000 (Minimum)	28.22 (Nominal)	40.00 (Maximum)	
Master: 8−Jul−2005 11:59							

High resolution Integrated Logging Tool−DTS Master Calibration											
Tank Measurement											
Phase	Thermal Near Corr. (Tank) CPS		Value	Phase	Thermal Far Corr. (Tank) CPS		Value	Phase	CNTC/CFTC (Tank)		Value
Master			5835	Master			2463	Master			2.369
5000 (Minimum)	6031 (Nominal)	7200 (Maximum)		2075 (Minimum)	2793 (Nominal)	3125 (Maximum)		2.120 (Minimum)	2.159 (Nominal)	2.540 (Maximum)	
Master: 8−Jul−2005 11:59											

Rig:	**Mitchell # 150**
Country:	**Australia**

TLD−GR
195.34m − 695.04m
1:200, 1:500 Scale

MUD

Pioneer Mitchell #150

Schlumberger

Company: **Tipperary Oil and Gas Australia**

Well: **Fairview 97**
Field: **Fairview**
Rig: **Mitchell # 150** Country: **Australia**

Rig: Mitchell # 150
Field: Fairview
Location: PL 91
Well: Fairview 97
Company: Tipperary Oil and Gas Australia

TLD−GR
691m − 782.5m
1:200, 1:500 Scale

LOCATION

PL 91		Elev.: K.B.	485.3 m
Easting 696 362		G.L.	481 m
Northing 7 162 465		D.F.	485.3 m
Permanent Datum:	Mean Sea Level	Elev.:	0 m
Log Measured From:	Rotary Table	485.3 m	above Perm. Datum
Drilling Measured From:	Rotary Table		

State:	Max. Well Deviation	Longitude	Latitude
Queensland	3.5 deg	148 57' 17.5'' E	25 38' 38.6'' S

Logging Date		29−Aug−2005							
Run Number		2							
Depth Driller		784 m							
Schlumberger Depth		783.5 m							
Bottom Log Interval		782.5 m							
Top Log Interval		691 m							
Casing Driller Size @ Depth		7.000 in	@	690 m		@			
Casing Schlumberger		691 m							
Bit Size		6.125 in							
Type Fluid In Hole		Brine							
MUD Density	Viscosity	1 g/cm3							
MUD Fluid Loss	PH								
MUD Source Of Sample		Pit							
RM @ Measured Temperature		6.480 ohm.m	@	22 degC		@			
RMF @ Measured Temperature		6.480 ohm.m	@	22 degC		@			
RMC @ Measured Temperature			@			@			
Source RMF	RMC								
RM @ MRT	RMF @ MRT	3.781	@ 52	3.781	@ 52	@		@	
Maximum Recorded Temperatures		52 degC							
Circulation Stopped	Time	29−Aug−2005		15:30					
Logger On Bottom	Time	29−Aug−2005		20:55					
Unit Number	Location	3170	AURM						
Recorded By		Cherie Sims/ S.Thanenthiran							
Witnessed By		Mr. Tony Franks							

	Run 1	Run 2	Run 3
Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth		@	
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
MUD Density / Viscosity			
MUD Fluid Loss / PH			
MUD Source Of Sample			
RM @ Measured Temperature		@	
RMF @ Measured Temperature		@	
RMC @ Measured Temperature		@	
Source RMF / RMC			
RM @ MRT / RMF @ MRT	@	@	@
Maximum Recorded Temperatures			
Circulation Stopped / Time			
Logger On Bottom / Time			
Unit Number / Location			
Recorded By			
Witnessed By			

@ @ @ @ @

Run 4

DEPTH SUMMARY LISTING

Date Created: 29−AUG−2005 22:20:35

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW−B	Type:	CMTD−B/A	Type:	7−46V−XS
Serial Number:	2001	Serial Number:	2268	Serial Number:	78197
Calibration Date:	27−April−2005	Calibration Date:	27−Jun−2005	Length:	3326.89 M
Calibrator Serial Number:	1009	Calibrator Serial Number:	1050	Conveyance Method:	Wireline
Calibration Cable Type:	7−46V−XS	Calibration Gain:	0.85	Rig Type:	LAND
Wheel Correction 1:	−3	Calibration Offset:	540.00		
Wheel Correction 2:	−4				

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	TLD−GR
Reference Log Run Number:	1
Reference Log Date:	27−Aug−2005
Subsequent Trip Down Log Correction:	0.20 M

Depth Control Remarks

1. This is subsequent run in hole
2. All Schlumberger depth control policies followed.
3. IDW is primary depth control
4. Z chart is secondary depth control
5.
6.

DISCLAIMER
THE USE OF AND RELIANCE UPON THIS RECORDED−DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED−DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED−DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED−DATA.

OTHER SERVICES1	OTHER SERVICES2
OS1: None	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
This is subsequent run in hole.	
Tool run as per tool sketch.	
Maximum recorded temperature from head thermometer is 52.22 DEGC.	
Data recorded in high resolution.	
Density corrected for mud weight and hole size.	
Caliper check in casing is 6.37 inches.	
All missing header information not provided by client.	
All Schlumberger depth control policies followed.	

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:		13C0−300	PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

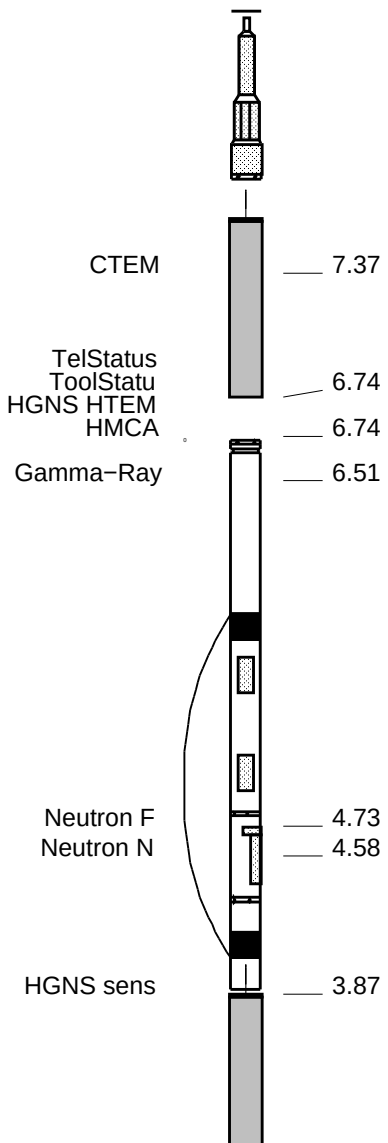
EQUIPMENT DESCRIPTION

RUN 1 | RUN 2

SURFACE EQUIPMENT

GSR−U 1165
NCT−B
CNB−AB
NCS−VB
WITM (DTS)−A

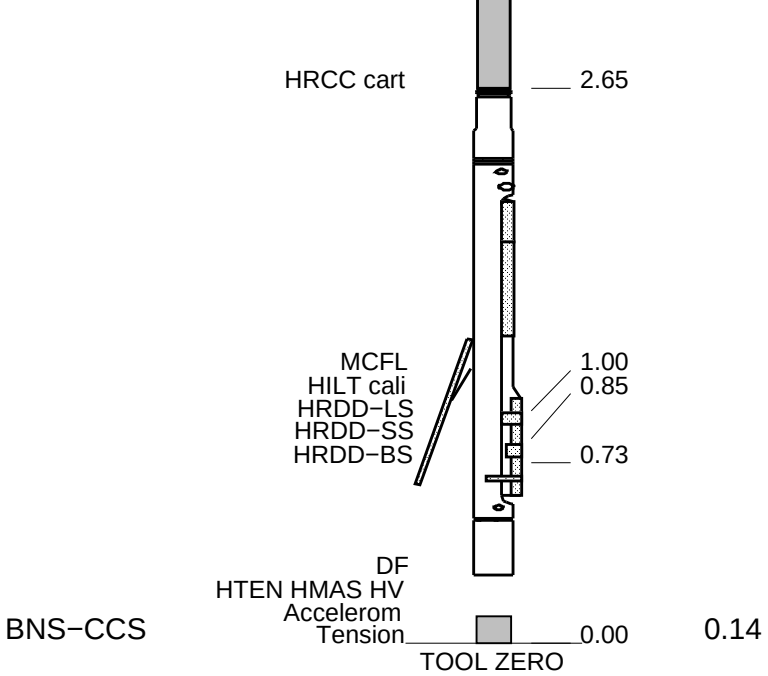
DOWNHOLE EQUIPMENT



LEH−QT 8.54
LEH−QT 1183

DTC−H 7.65
ECH−KC 9889
DTCH0−A 8812
DTCH1−A

HILTB−FTB 6.74
HGNSD−B
HMCA
HGNH 1718
NLS−KL
NSR−F
HACCZ
HCNT
HGR
HRCC−B 790
HRMS−B 748
HRGD−B 1736
GLS−VJ 3739
MCFL Device
HILT Nucl. LS
HILT Nucl. SS
HILT Nucl. BS
BOW−SPR
NPV−N

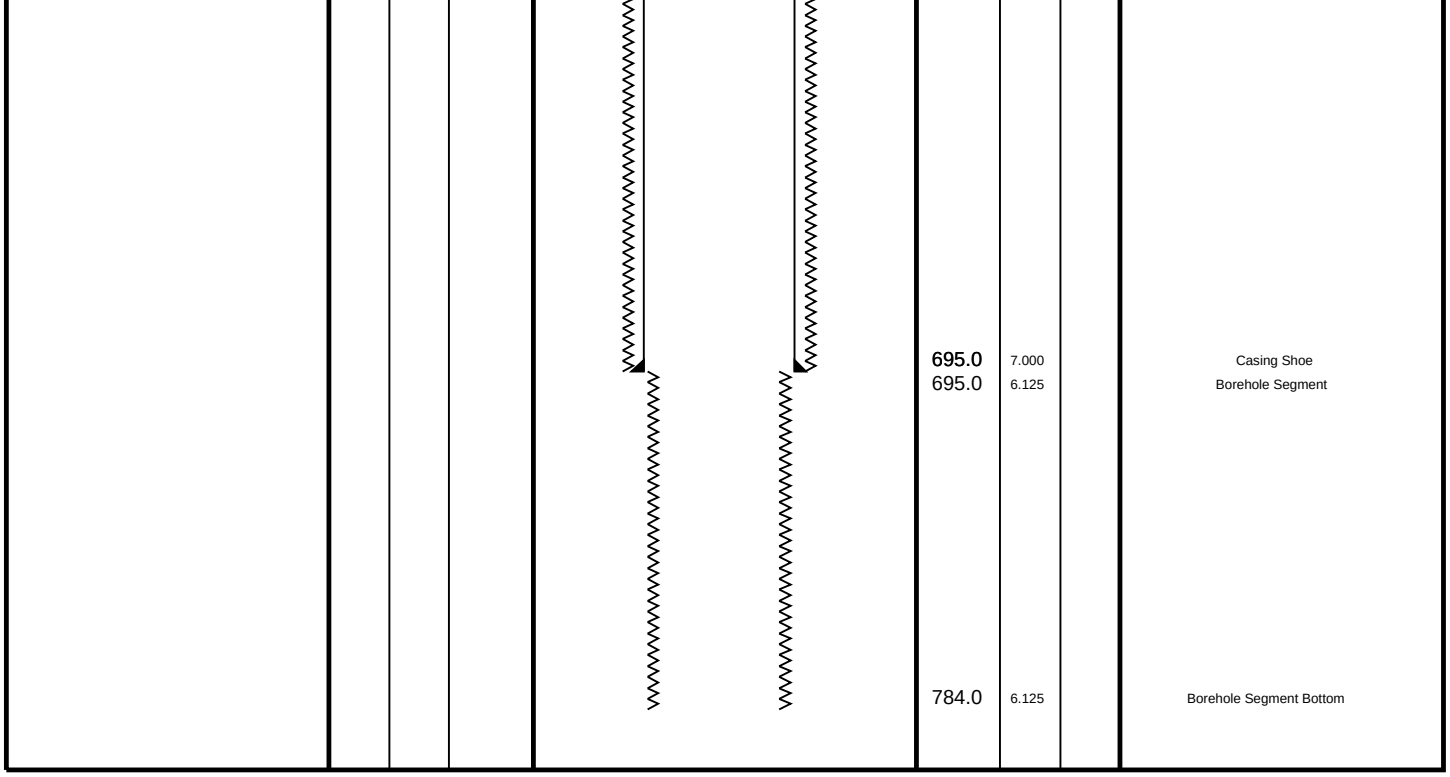


MAXIMUM STRING DIAMETER 4.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client: Tipperary Oil And Gas Australia
Well: Fairview 75
Field: Fairview
State: Queensland
Country: Australia

Drawing Date: 8/29/2005
API #:
Rig Name:
Reference Datum: Mean Sea Level
Elevation: 485.3 m

Production String	(in) OD	(in) ID	(m) MD	Well Schematic	(m) MD	(in) OD	(in) ID	Casing String
					0.0	13.375		Casing String
					20.0	13.375		Casing Shoe
					195.6	9.625		Casing Shoe
					195.6	8.500		Borehole Segment



ALL DEPTHS ARE DRILLERS DEPTH

Schlumberger

Bulk Density 1:500 Scale
High Resolution

MAXIS Field Log

Company: Tipperary Oil and Gas Australia **Well: Fairview 97**

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_011LUP	FN:14	PRODUCER	29−Aug−2005 21:17	784.9 M	587.8 M

Output DLIS Files

DEFAULT	TLD_MCFL_CNL_020PUP	FN:28	PRODUCER	29−Aug−2005 22:44	785.0 M	588.4 M
CUSTOMER	TLD_MCFL_CNL_020PUC	FN:29	CUSTOMER	29−Aug−2005 22:44	785.0 M	588.4 M

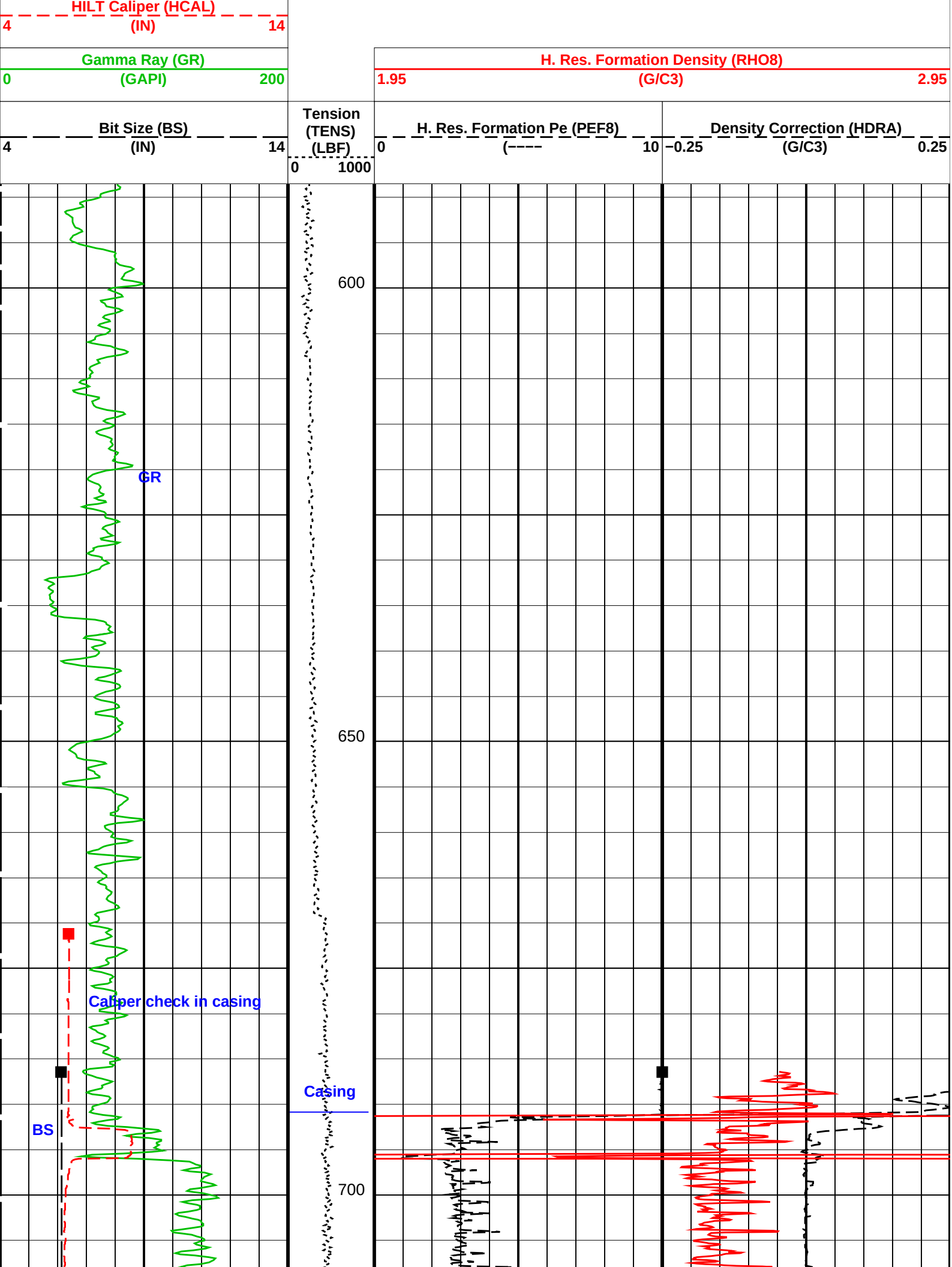
OP System Version: 13C0−300

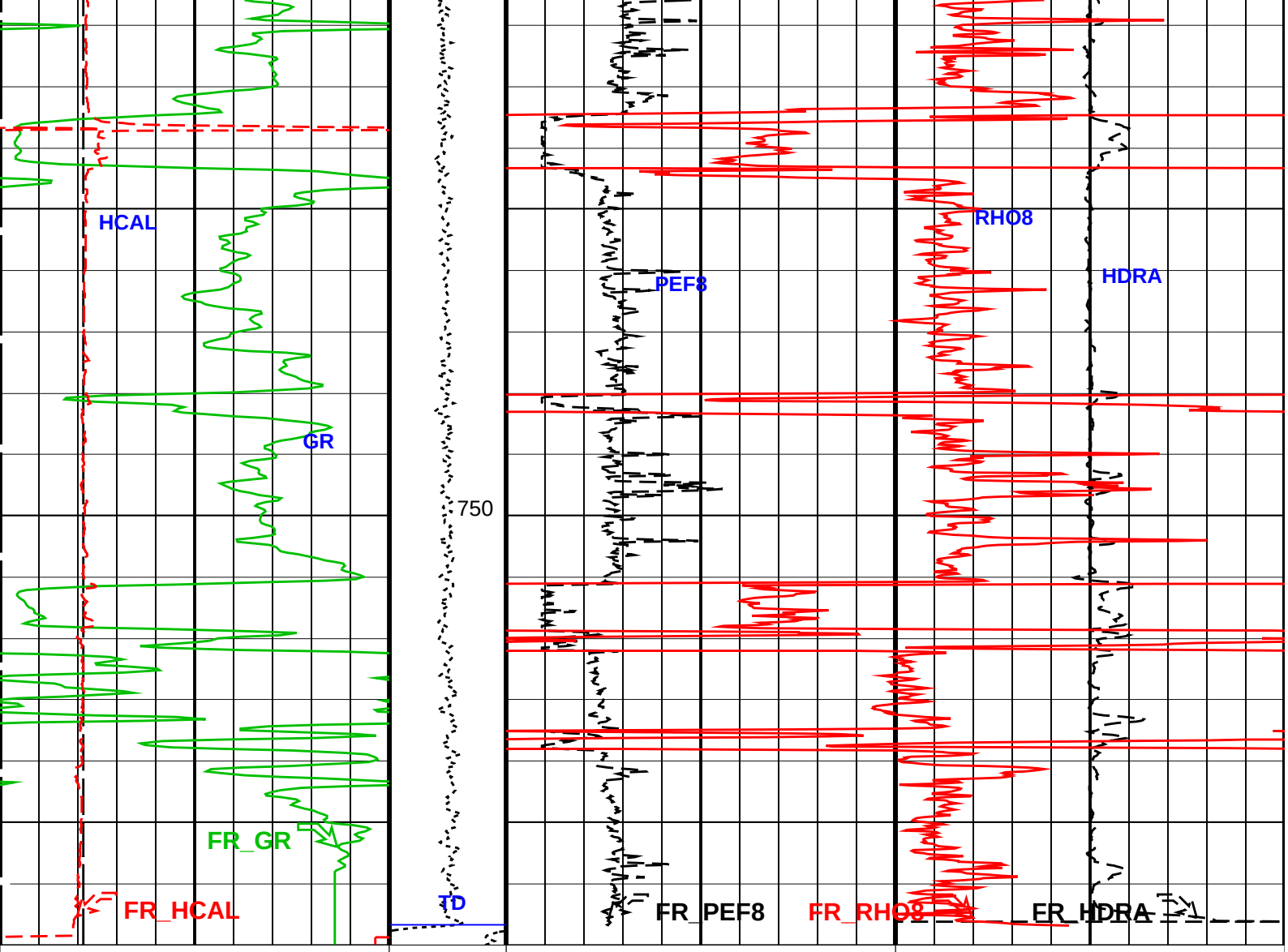
MCM

HILTB−FTB	13C0−300	DTC−H	13C0−300

PIP SUMMARY

Time Mark Every 60 S


HILT Caliper (HCAL)
4 (IN) 14
Gamma Ray (GR)
0 (GAPI) 200
Bit Size (BS)
4 (IN) 14
Tension (TENS) (LBF)
0 1000
H. Res. Formation Density (RHO8)
1.95 (G/C3) 2.95
H. Res. Formation Pe (PEF8)
0 (---- 10
Density Correction (HDRA)
−0.25 (G/C3) 0.25
600
650
700
GR
Caliper check in casing
BS
Casing



Bit Size (BS)	Tension (TENS)	H. Res. Formation Pe (PEF8)	Density Correction (HDRA)
4 (IN) 14	0 (LBF) 1000	0 (---- 10	−0.25 (G/C3) 0.25

Gamma Ray (GR)	H. Res. Formation Density (RHO8)
0 (GAPI) 200	1.95 (G/C3) 2.95

HILT Caliper (HCAL)
4 (IN) 14

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	HILTB−FTB: High resolution Integrated Logging Tool−DTS		
DHC	Density Hole Correction	BS	
NAAC	HRDD APS Activation Correction	OFF	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	HiRes	
NSAR	HRDD Depth Sampling Rate	1	IN
	STI: Stuck Tool Indicator		
LBFR	Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	0.762	M
TDD	Total Depth − Driller	784.00	M
TDL	Total Depth − Logger	783.50	M
	System and Miscellaneous		
BS	Bit Size	6.125	IN
DFD	Drilling Fluid Density	1.00	G/C3
DO	Depth Offset for Playback	0.2	M
PP	Playback Processing	NORMAL	

Format: BulkDensity_500 Vertical Scale: 1:500 Graphics File Created: 29−Aug−2005 22:44

OP System Version: 13C0−300
MCM

HILTB−FTB	13C0−300	DTC−H	13C0−300

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_011LUP	FN:14	PRODUCER	29−Aug−2005 21:17	784.9 M	587.8 M

Output DLIS Files

DEFAULT	TLD_MCFL_CNL_020PUP	FN:28	PRODUCER	29−Aug−2005 22:44
CUSTOMER	TLD_MCFL_CNL_020PUC	FN:29	CUSTOMER	29−Aug−2005 22:44

Schlumberger

Bulk Density 1:200 Scale
High Resolution

MAXIS Field Log

Company: Tipperary Oil and Gas Australia Well: Fairview 97

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_011LUP	FN:14	PRODUCER	29−Aug−2005 21:17	784.9 M	587.8 M

Output DLIS Files

DEFAULT	TLD_MCFL_CNL_020PUP	FN:28	PRODUCER	29−Aug−2005 22:44	785.0 M	588.4 M
CUSTOMER	TLD_MCFL_CNL_020PUC	FN:29	CUSTOMER	29−Aug−2005 22:44	785.0 M	588.4 M

OP System Version: 13C0−300
MCM

HILTB−FTB	13C0−300	DTC−H	13C0−300

PIP SUMMARY

Time Mark Every 60 S

HILT Caliper (HCAL) 4 (IN) 14

Gamma Ray (GR) 0 (GAPI) 200

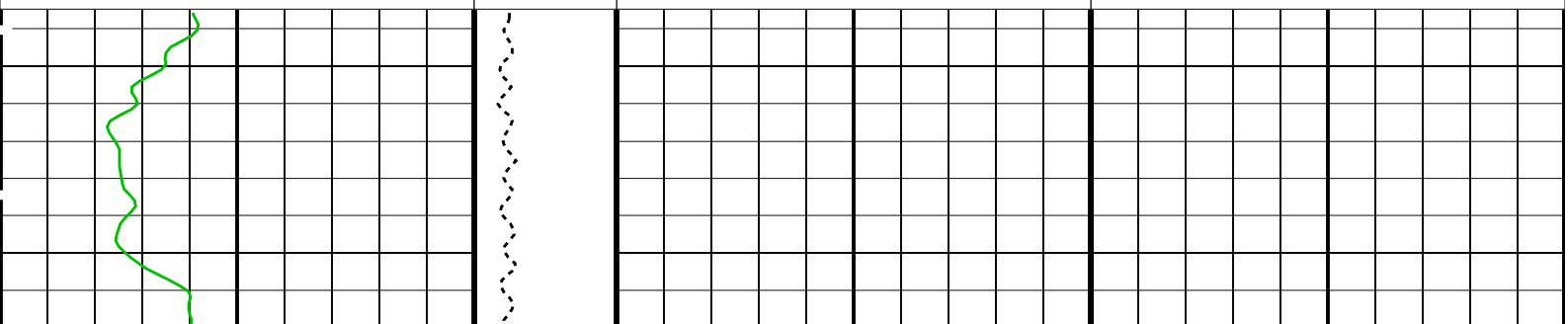
H. Res. Formation Density (RHO8) 1.95 (G/C3) 2.95

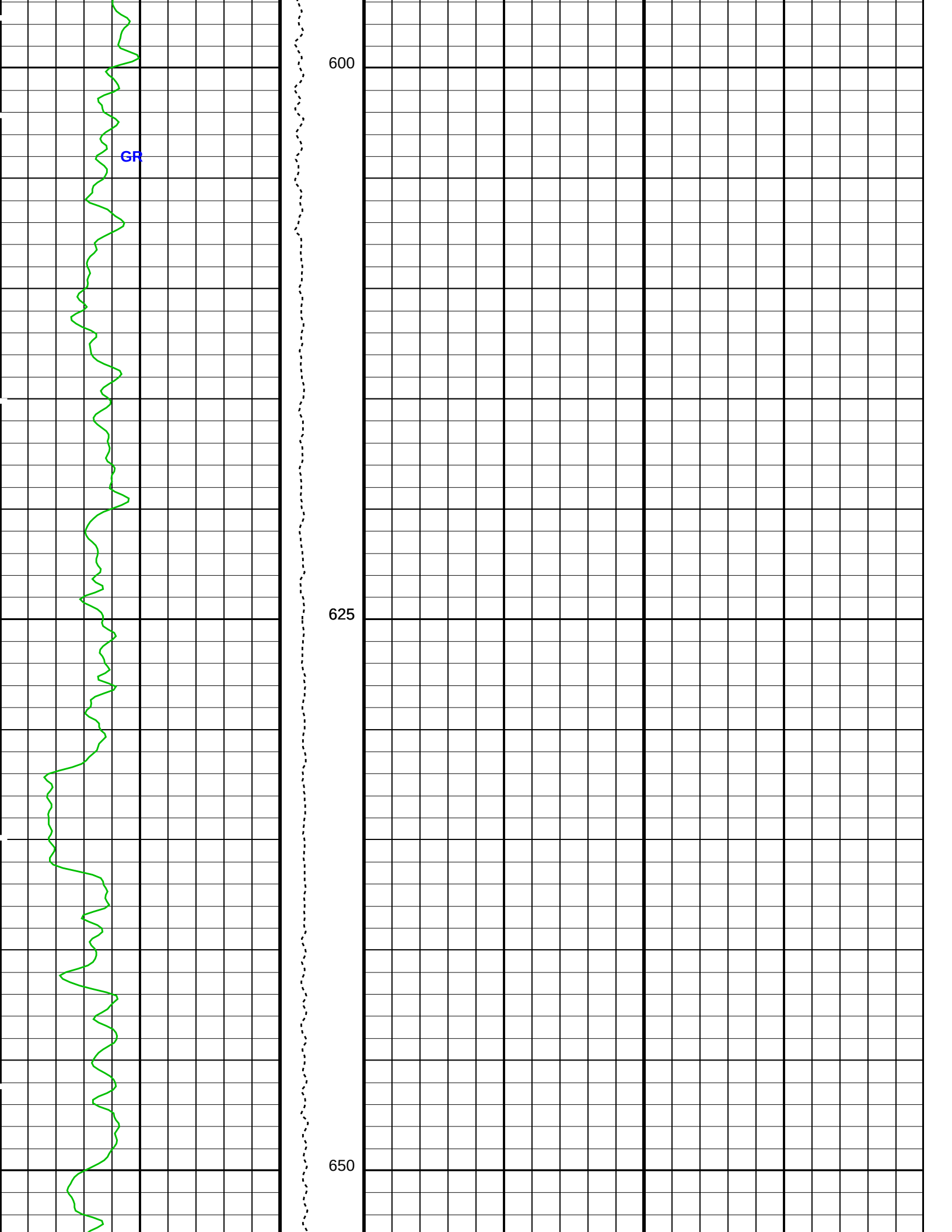
Bit Size (BS) 4 (IN) 14

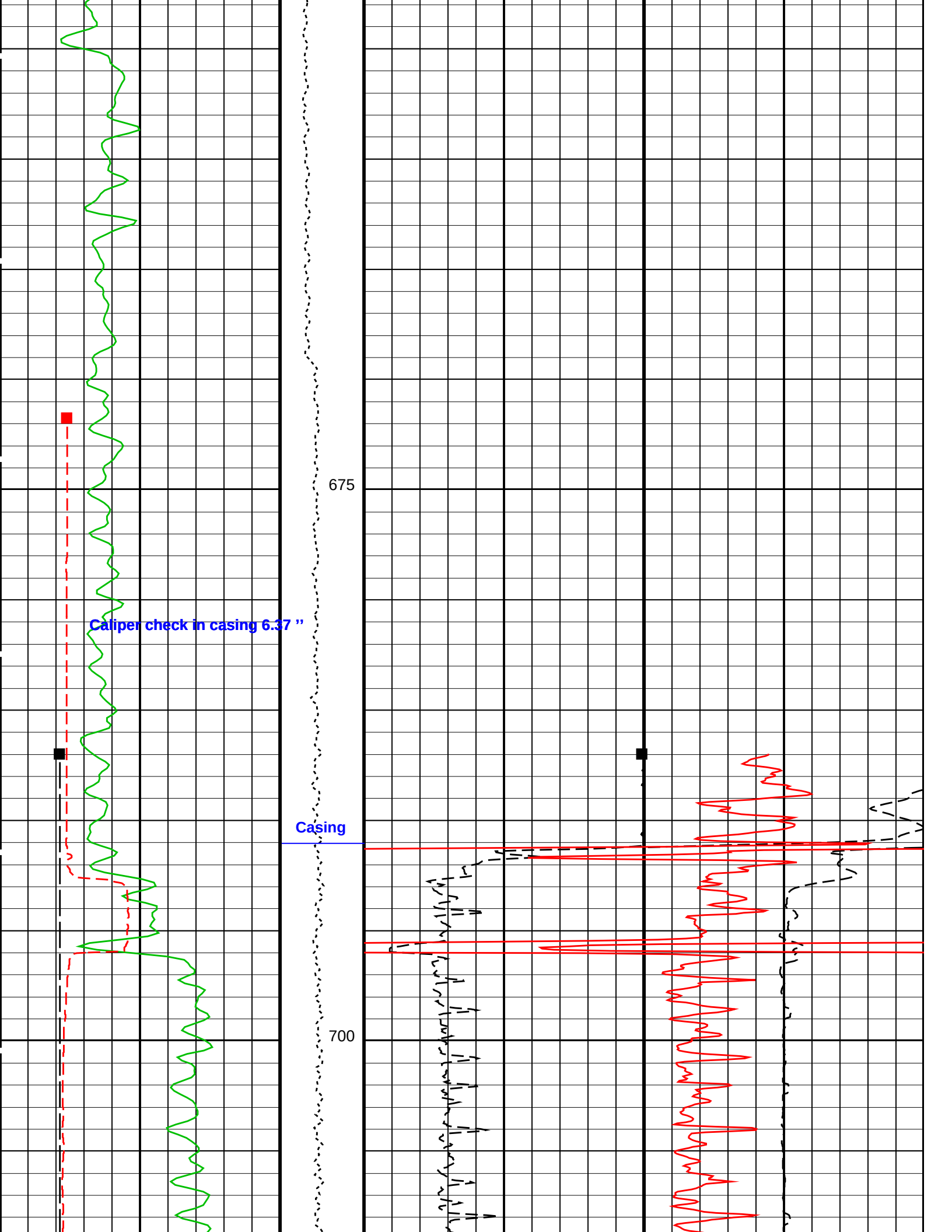
Tension (TENS) (LBF) 0 1000

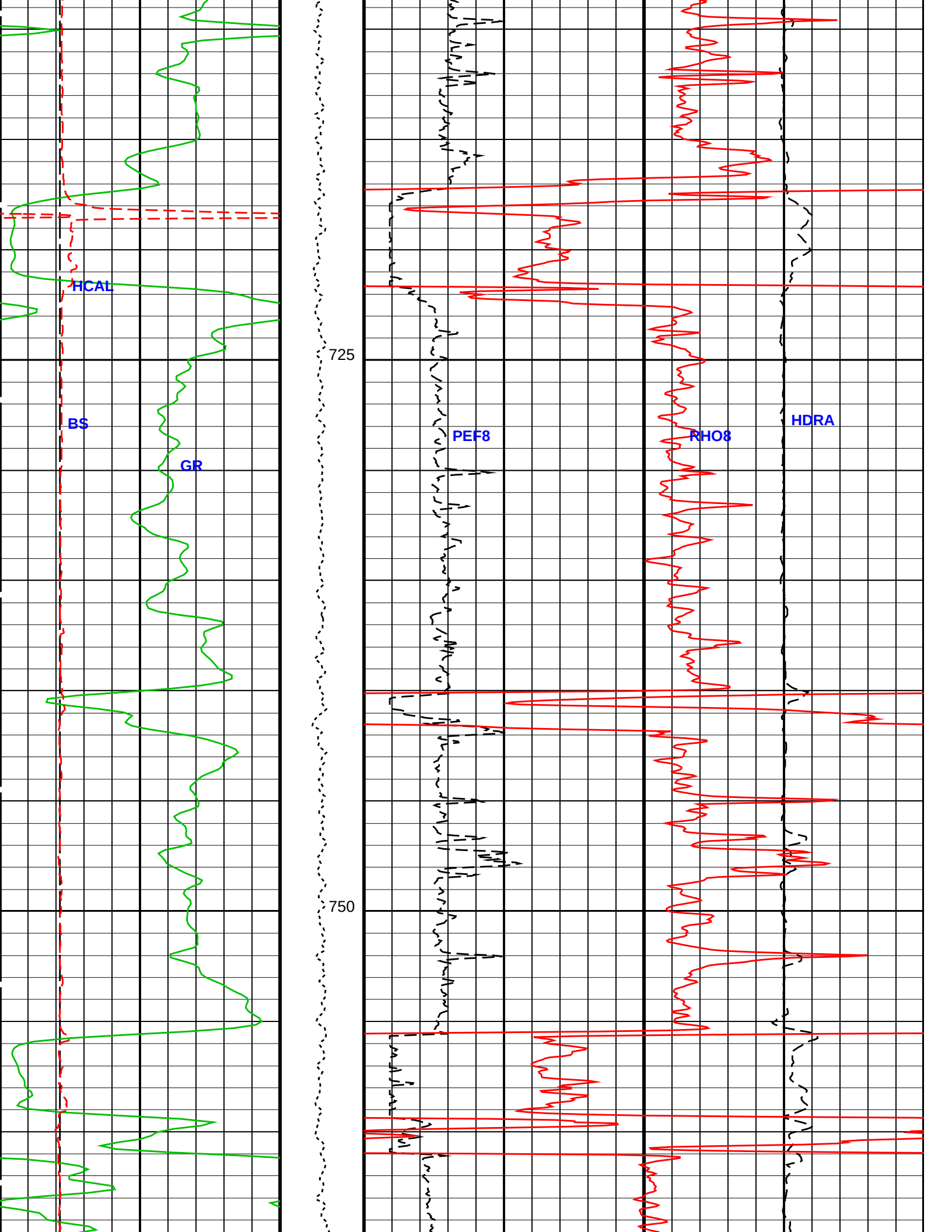
H. Res. Formation Pe (PEF8) 0 (−−−− 10

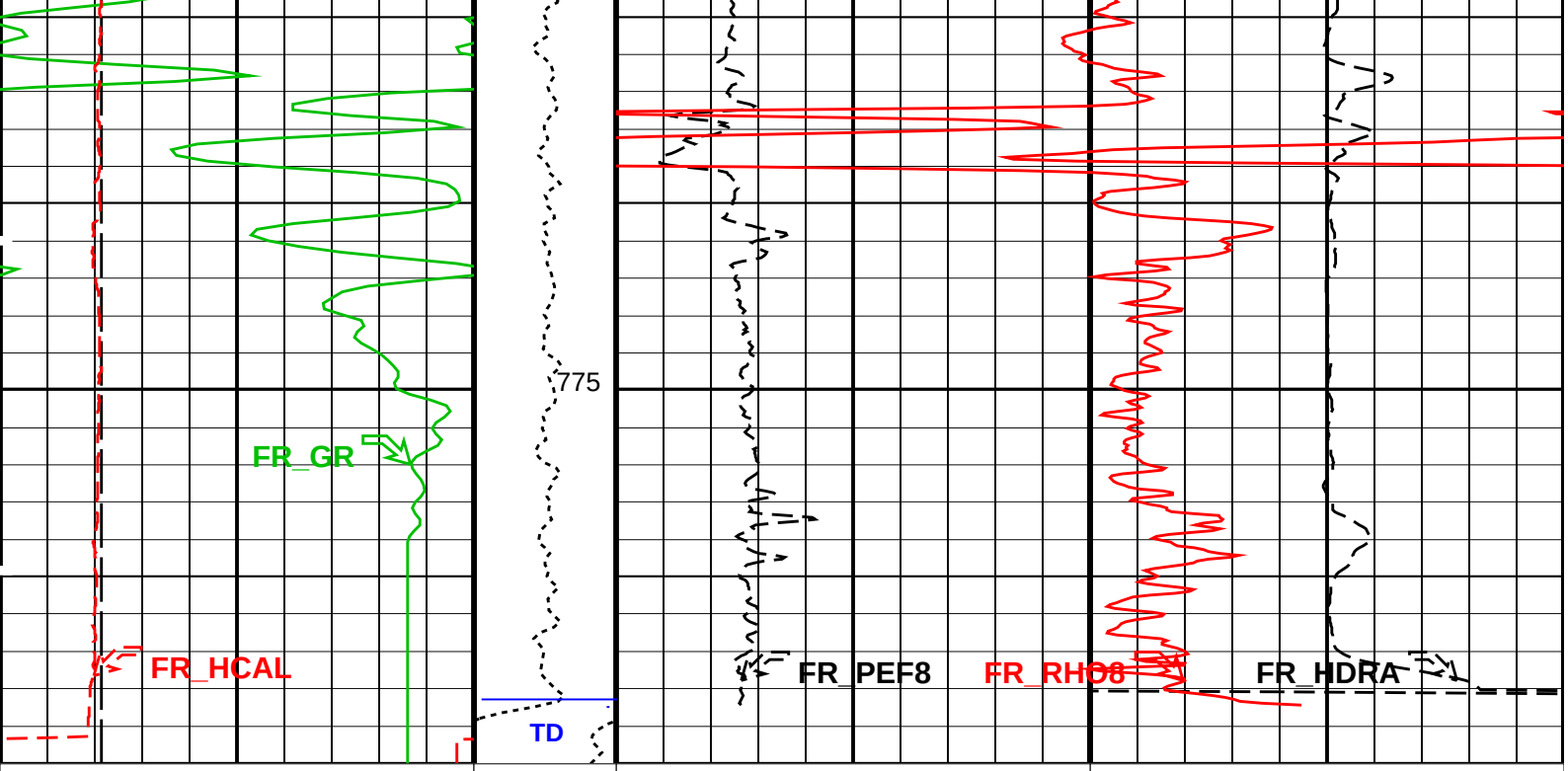
Density Correction (HDRA) −0.25 (G/C3) 0.25




GR
600
625
650


675
Caliper check in casing 6.37 ”
Casing
700


HCAL
BS
GR
725
750
PEF8
RHO8
HDRA



Bit Size (BS)	Tension (TENS)	H. Res. Formation Pe (PEF8)	Density Correction (HDRA)
4 (IN) 14	0 (LBF) 1000	0 (---- 10	−0.25 (G/C3) 0.25

Gamma Ray (GR)	H. Res. Formation Density (RHO8)
0 (GAPI) 200	1.95 (G/C3) 2.95

HILT Caliper (HCAL)
4 (IN) 14

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
HILTB−FTB: High resolution Integrated Logging Tool−DTS			
BHFL	Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	38.89	DEGC
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DHC	Density Hole Correction	BS	
DPPM	Density Porosity Processing Mode	HIRS	
EXSICL	External Shale Indicator Clean Value	20	
EXSISH	External Shale Indicator Shale Value	150	
FD	Fluid Density	1	G/C3
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
FPHI	Form Factor Porosity Source	DPHZ	
FSAL	Formation Salinity	−50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HACPP	Accelerometer PROM Presence	PRESENT_FILE	
HART	Accelerometer Reference Temperature	20	DEGC
HDCOD	HILT Density Coal detection	2	G/C3
HDSAD	HILT Density Salt detection	2.1	G/C3
HILT_GAS_DENSITY	HILT Gas Downhole Density	0	G/C3
HILT_GAS_OPTION	HILT Gas Computation Option	OFF	
HNCOD	HILT Neutron Coal detection	45	PU
HNSAD	HILT Neutron Salt detection	5	PU
HPHIECUT	HILT effective Porosity Cutoff	5	PU
HSCO	Hole Size Correction Option	YES	
HSIS	HILT Shale Indicator Selection	GR	

HSWCUT	HILT Water Saturation from AITH cutoff	50	%
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.68	G/C3
MHC0	MCFL B0 Contrast Correction Coefficient	2.2e−005	OHMS
MHC1	MCFL B1 Contrast Correction Coefficient	3.2e−005	OHMS
MHCC	MCFL High Contrast Correction Switch	NO	
MPOF	MCFL Processing Operation Mode	ON	
MWCO	Mud Weight Correction Option	NO	
NAAC	HRDD APS Activation Correction	OFF	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	HiRes	
NSAR	HRDD Depth Sampling Rate	1	IN
PHIMAX	HILT max porosity	35	PU
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SEXP_HILT	HILT Saturation Exponent	2	
SHT	Surface Hole Temperature	20	DEGC
SOCN	Standoff Distance	0.125	IN
SOCO	Standoff Correction Option	NO	
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	38.89	DEGC
FCD	Future Casing (Outer) Diameter	0	IN
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HVCS	Integrated Hole Volume Caliper Selection	HCAL	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
STI: Stuck Tool Indicator			
LBFR	Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	0.762	M
TDD	Total Depth − Driller	784.00	M
TDL	Total Depth − Logger	783.50	M
System and Miscellaneous			
ALTDPCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	6.125	IN
BSAL	Borehole Salinity	−50000.00	PPM
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	23.00	LB/F
DFD	Drilling Fluid Density	1.00	G/C3
DO	Depth Offset for Playback	0.2	M
MST	Mud Sample Temperature	21.50	DEGC
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	NORMAL	
RMFS	Resistivity of Mud Filtrate Sample	6.4800	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	784	M
TWS	Temperature of Connate Water Sample	37.78	DEGC

Format: BulkDensity_200 Vertical Scale: 1:200 Graphics File Created: 29−Aug−2005 22:44

OP System Version: 13C0−300

MCM

HILTB−FTB	13C0−300	DTC−H	13C0−300

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_011LUP	FN:14	PRODUCER	29−Aug−2005 21:17	784.9 M	587.8 M

Output DLIS Files

DEFAULT	TLD_MCFL_CNL_020PUP	FN:28	PRODUCER	29−Aug−2005 22:44
CUSTOMER	TLD_MCFL_CNL_020PUC	FN:29	CUSTOMER	29−Aug−2005 22:44

Schlumberger

Repeat Analysis
1:200 Scale

Company: Tipperary Oil and Gas Australia **Well: Fairview 97**

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_011LUP	FN:14	PRODUCER	29−Aug−2005 21:17	784.9 M	587.8 M
DEFAULT	TLD_MCFL_CNL_010LUP	FN:12	PRODUCER	29−Aug−2005 21:00	785.5 M	704.2 M

Output DLIS Files

DEFAULT	TLD_MCFL_CNL_023PUP	FN:34	PRODUCER	29−Aug−2005 22:53
CUSTOMER	TLD_MCFL_CNL_023PUC	FN:35	CUSTOMER	29−Aug−2005 22:53

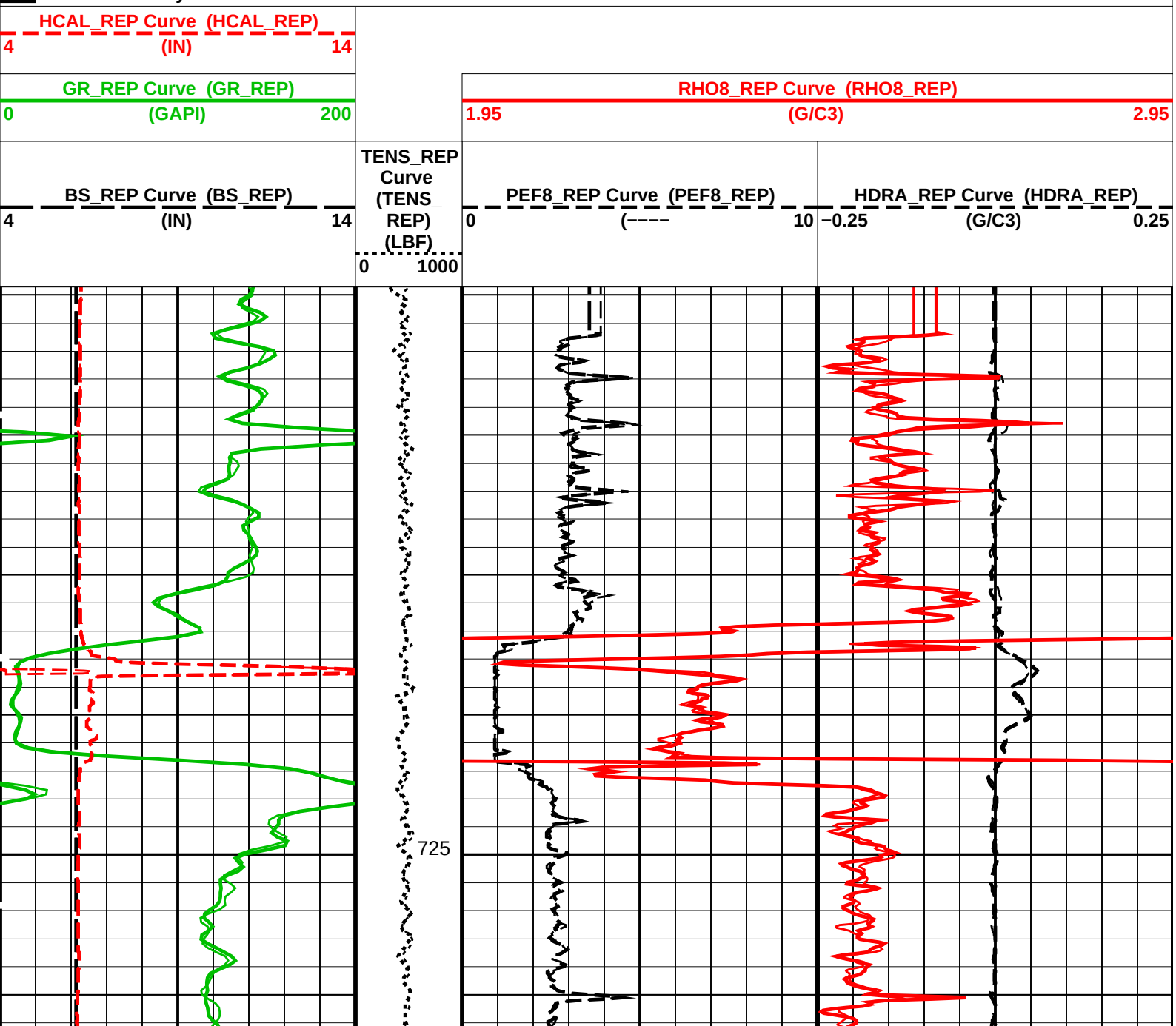
OP System Version: 13C0−300

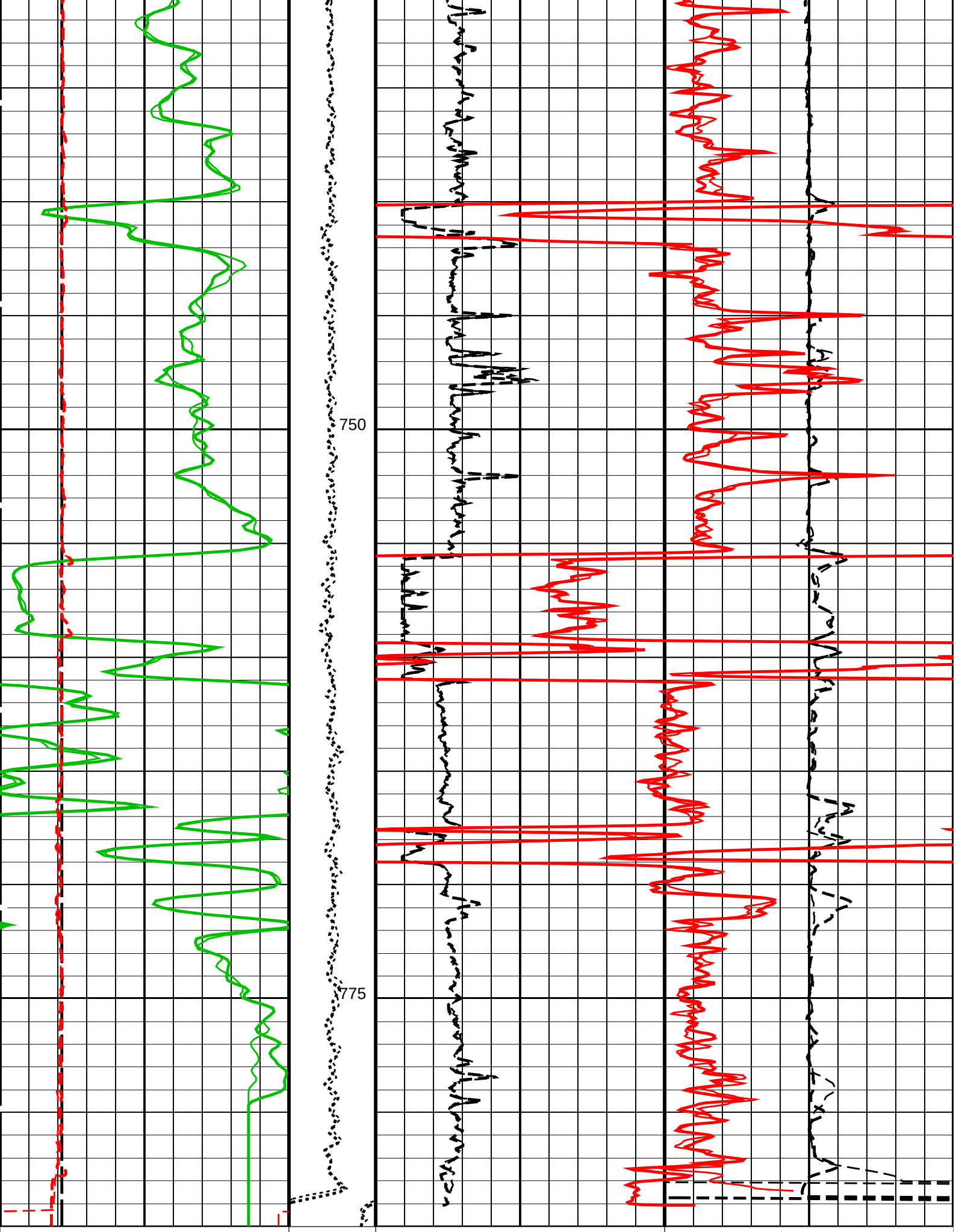
MCM

HILTB−FTB	13C0−300	DTC−H	13C0−300

PIP SUMMARY

Time Mark Every 60 S





BS_REP Curve (BS_REP)

TENS_REP Curve (TENS

PEF8_REP Curve (PEF8_REP)

HDRA_REP Curve (HDRA_REP)

BS_REP Curve (BS_REP)			TENS_REP (LBF)	PEF8_REP Curve (PEF8_REP)		HDRA_REP Curve (HDRA_REP)		
4	(IN)	14	0 1000	0	(-----	10	−0.25	(G/C3)	0.25

GR_REP Curve (GR_REP)			RHO8_REP Curve (RHO8_REP)		
0	(GAPI)	200	1.95	(G/C3)	2.95

HCAL_REP Curve (HCAL_REP)		
4	(IN)	14

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	HILTB−FTB: High resolution Integrated Logging Tool−DTS		
DHC	Density Hole Correction	BS	
NAAC	HRDD APS Activation Correction	OFF	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	HiRes	
NSAR	HRDD Depth Sampling Rate	1	IN
	System and Miscellaneous		
BS	Bit Size	6.125	IN
DFD	Drilling Fluid Density	1.00	G/C3
DO	Depth Offset for Playback	0.2	M
DORL	Depth Offset for Repeat Analysis	0.2	M
PP	Playback Processing	NORMAL	

Format: BulkDensity_200_REP Vertical Scale: 1:200 Graphics File Created: 29−Aug−2005 22:53

OP System Version: 13C0−300

MCM

HILTB−FTB	13C0−300	DTC−H	13C0−300

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_011LUP	FN:14	PRODUCER	29−Aug−2005 21:17	784.9 M	587.8 M
DEFAULT	TLD_MCFL_CNL_010LUP	FN:12	PRODUCER	29−Aug−2005 21:00	785.5 M	704.2 M

Output DLIS Files

DEFAULT	TLD_MCFL_CNL_023PUP	FN:34	PRODUCER	29−Aug−2005 22:53
CUSTOMER	TLD_MCFL_CNL_023PUC	FN:35	CUSTOMER	29−Aug−2005 22:53

Schlumberger

Calibrations
1:200 Scale

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
High resolution Integrated Logging Tool−DTS Wellsite Calibration − Stab Measurement Summary							
Before: 29−Aug−2005 20:33							
BS Window Ratio	0.7200	N/A	0.7212	N/A	N/A	N/A	
BS Window Sum	10360	N/A	10340	N/A	N/A	N/A	CPS
SS Window Ratio	0.4835	N/A	0.4823	N/A	N/A	N/A	

SS Window Sum	10600	N/A	10590	N/A	N/A	N/A	CPS
LS Window Ratio	0.2951	N/A	0.2879	N/A	N/A	N/A	
LS Window Sum	1105	N/A	1100	N/A	N/A	N/A	CPS

High resolution Integrated Logging Tool−DTS Wellsite Calibration − Photo−multiplier High Voltages Calibrations
Before: 29−Aug−2005 20:33

BS PM High Voltage (Command)	1792	N/A	1802	N/A	N/A	N/A	V
SS PM High Voltage (Command)	1847	N/A	1854	N/A	N/A	N/A	V
LS PM High Voltage (Command)	1701	N/A	1705	N/A	N/A	N/A	V

High resolution Integrated Logging Tool−DTS Wellsite Calibration − Crystal Quality Resolutions Calibration
Before: 29−Aug−2005 20:33

BS Crystal Resolution	11.51	N/A	11.44	N/A	N/A	N/A	%
SS Crystal Resolution	11.14	N/A	11.28	N/A	N/A	N/A	%
LS Crystal Resolution	10.25	N/A	10.15	N/A	N/A	N/A	%

High resolution Integrated Logging Tool−DTS Wellsite Calibration − MCFL Calibration
Before: 29−Aug−2005 20:29

Raw B0 Resistivity	3875	N/A	3894	N/A	N/A	N/A	OHMM
Raw B1 Resistivity	3830	N/A	3834	N/A	N/A	N/A	OHMM
Raw B2 Resistivity	3830	N/A	3830	N/A	N/A	N/A	OHMM

High resolution Integrated Logging Tool−DTS Wellsite Calibration − HILT Caliper Calibration
Before: 29−Aug−2005 20:25

HILT Caliper Zero Measurement	6.000	N/A	6.039	N/A	N/A	N/A	IN
HILT Caliper Plus Measurement	8.000	N/A	8.008	N/A	N/A	N/A	IN

High resolution Integrated Logging Tool−DTS Wellsite Calibration − Detector Calibration
Before: 29−Aug−2005 20:21

Gamma Ray Background	30.00	N/A	10.66	N/A	N/A	N/A	GAPI
Gamma Ray (Jig − Bkg)	175.7	N/A	175.7	N/A	N/A	15.98	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI

High resolution Integrated Logging Tool−DTS Wellsite Calibration − Zero Measurement
Master: 8−Jul−2005 11:59 Before: 29−Aug−2005 20:25

CNTC Background	30.96	30.96	31.14	N/A	N/A	4.644	CPS
CFTC Background	28.22	28.22	27.99	N/A	N/A	4.233	CPS

High resolution Integrated Logging Tool−DTS Wellsite Calibration − Ratio Measurement
Master: 8−Jul−2005 11:59

Thermal Near Corr. (Tank)	6031	5835	N/A	N/A	N/A	N/A	CPS
Thermal Far Corr. (Tank)	2793	2463	N/A	N/A	N/A	N/A	CPS
CNTC/CFTC (Tank)	2.159	2.369	N/A	N/A	N/A	N/A	

High resolution Integrated Logging Tool−DTS Wellsite Calibration − Accelerometer Calibration
Before: 29−Aug−2005 20:28

Z−Axis Acceleration	9.810	N/A	9.782	N/A	N/A	N/A	M/S2

The GLS−VJ source activity is acceptable.

The HGNS Neutron Master Calibration was done with the following parameters :

NCT−B Water Temperature 20.0 DEGC.
Thermal Housing Size 3.380 IN.

High resolution Integrated Logging Tool−DTS / Equipment Identification

Primary Equipment:

HILT high−Resolution Mechanical Sonde	HRMS − B	748
HILT Rxo Gamma−ray Device	HRGD − B	1736
HILT Nuclear Back−Scatter Detector	HILT −	
HILT Nuclear Short−Spacing Detector	HILT −	
HILT Nuclear Long−Spacing Detector	HILT −	
Micro Cylindrically Focused Log Device	MCFL −	
GR Logging Source	GLS − VJ	3739
HILT High Res. Control Cartridge	HRCC − B	790

Auxiliary Equipment:

High resolution Integrated Logging Tool−DTS Wellsite Calibration
Stab Measurement Summary

Phase	BS Window Ratio	Value	Phase	SS Window Ratio	Value	Phase	LS Window Ratio	Value
Before		0.7212	Before		0.4823	Before		0.2879

0.6840 (Minimum)	0.7200 (Nominal)	0.7560 (Maximum)	0.4593 (Minimum)	0.4835 (Nominal)	0.5077 (Maximum)	0.2803 (Minimum)	0.2951 (Nominal)	0.3098 (Maximum)

Phase	BS Window Sum CPS	Value	Phase	SS Window Sum CPS	Value	Phase	LS Window Sum CPS	Value
Before		10340	Before		10590	Before		1100
9844 (Minimum)	10360 (Nominal)	10880 (Maximum)	10070 (Minimum)	10600 (Nominal)	11130 (Maximum)	1049 (Minimum)	1105 (Nominal)	1160 (Maximum)

Before: 29−Aug−2005 20:33

High resolution Integrated Logging Tool−DTS Wellsite Calibration

Photo−multiplier High Voltages Calibrations

Phase	BS PM High Voltage (Command) V	Value	Phase	SS PM High Voltage (Command) V	Value	Phase	LS PM High Voltage (Command) V	Value
Before		1802	Before		1854	Before		1705
1692 (Minimum)	1792 (Nominal)	1892 (Maximum)	1747 (Minimum)	1847 (Nominal)	1947 (Maximum)	1601 (Minimum)	1701 (Nominal)	1801 (Maximum)

Before: 29−Aug−2005 20:33

High resolution Integrated Logging Tool−DTS Wellsite Calibration

Crystal Quality Resolutions Calibration

Phase	BS Crystal Resolution %	Value	Phase	SS Crystal Resolution %	Value	Phase	LS Crystal Resolution %	Value
Before		11.44	Before		11.28	Before		10.15
10.51 (Minimum)	11.51 (Nominal)	12.51 (Maximum)	10.14 (Minimum)	11.14 (Nominal)	12.14 (Maximum)	9.249 (Minimum)	10.25 (Nominal)	11.25 (Maximum)

Before: 29−Aug−2005 20:33

High resolution Integrated Logging Tool−DTS Wellsite Calibration

MCFL Calibration

Phase	Raw B0 Resistivity OHMM	Value	Phase	Raw B1 Resistivity OHMM	Value	Phase	Raw B2 Resistivity OHMM	Value
Before		3894	Before		3834	Before		3830
3565 (Minimum)	3875 (Nominal)	4185 (Maximum)	3524 (Minimum)	3830 (Nominal)	4136 (Maximum)	3524 (Minimum)	3830 (Nominal)	4136 (Maximum)

Before: 29−Aug−2005 20:29

High resolution Integrated Logging Tool−DTS Wellsite Calibration

HILT Caliper Calibration

Phase	HILT Caliper Zero Measurement IN	Value	Phase	HILT Caliper Plus Measurement IN	Value
Before		6.039	Before		8.008
4.500 (Minimum)	6.000 (Nominal)	7.500 (Maximum)	6.000 (Minimum)	8.000 (Nominal)	10.00 (Maximum)

Before: 29−Aug−2005 20:25

High resolution Integrated Logging Tool−DTS Wellsite Calibration

Detector Calibration

Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig − Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value
Before		10.66	Before		175.7	Before		165.0
0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)	159.8 (Minimum)	175.7 (Nominal)	191.7 (Maximum)	150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)

Before: 29−Aug−2005 20:21

High resolution Integrated Logging Tool−DTS Wellsite Calibration

Zero Measurement

Phase	CNTC Background CPS	Value	Phase	CFTC Background CPS	Value
Master		30.96	Master		28.22
Before		31.14	Before		27.99
5.000 (Minimum)	30.96 (Nominal)	40.00 (Maximum)	5.000 (Minimum)	28.22 (Nominal)	40.00 (Maximum)

Master: 8−Jul−2005 11:59 Before: 29−Aug−2005 20:25

High resolution Integrated Logging Tool−DTS Wellsite Calibration

Ratio Measurement

Phase	Thermal Near Corr. (Tank) CPS	Value	Phase	Thermal Far Corr. (Tank) CPS	Value	Phase	CNTC/CFTC (Tank)	Value
Master		5835	Master		2463	Master		2.369
5000 (Minimum)	6031 (Nominal)	7200 (Maximum)	2075 (Minimum)	2793 (Nominal)	3125 (Maximum)	2.120 (Minimum)	2.159 (Nominal)	2.540 (Maximum)

Master: 8−Jul−2005 11:59

High resolution Integrated Logging Tool−DTS Wellsite Calibration		
Accelerometer Calibration		
Phase	Z−Axis Acceleration M/S2	Value
Before		9.782
9.610 (Minimum)	9.810 (Nominal)	10.01 (Maximum)
Before: 29−Aug−2005 20:28		

Company: **Tipperary Oil and Gas Australia**

Schlumberger

Well: **Fairview 97**
Field: **Fairview**
Rig: **Mitchell # 150**
Country: **Australia**

TLD−GR
691m − 782.5m
1:200, 1:500 Scale

APPENDIX 3

Casing and Cementing Sheets

TIPPERARY OIL & GAS AUSTRALIA

Casing Running & Cementing Report

Well Name:	Fairview 97	**County:**	Injune	**State:**	Queensland

Hole Size:	8.5"	"	**Depth**	695m	**Date Cemented:**	28-Aug-2005	**Mud Weight:**	8.6	**#/gallon**
Ground Level:	481.0m		**DF**	485.3m	**KB**				

Casing Detail (Show casing as run in hole--bottom to top. Threads Off Meaurement.)

No. of Joints:	Size O.D.	Manufacturer--Item	Wt./#	Grade	Type Threads	Footage
		Guide shoe			BTC	0.32
1	7"	Casing	23	NT-80	BTC	12.62
		Float collar			BTC	0.22
54	7"	Casing	23	NT-80	BTC	678.15
					TOTAL:	691.31

Set Casing @:	**690m**	**' KB**	**Scratchers:**	
Total Jts. Run:	**55**			
Float Collar	**676.84m**	**' KB**	**Centralizers:**	**6 centralizers were run on the 1st,3rd,5th,7th,10th,13th joints**
Other Equipment:				

Comments:

Cementing Company:	Halliburton		**Circulated:**	150	**mins. @**	30 **psi.**
Started Mixing:	**0:34**	**28-Aug-2005**	**Pressure on Plug:**	1600		**psi.**
Plug Down @	**0:59**	**28-Aug-2005**	**Bled to:**	0		**psi.**

Cemented with:

Safety Meeting, 10bbl spacer,pressure test lines to 3000psi, 10bbl spacer, mix & pump 39bbls lead slurry 127sx 'A', 6% GEL add at 13.5ppg, mix & pump 31bbls tail slurry 150sx 'A', 0.2%HR-5 add at 15.6ppg, displace w/- 90bbls water,bump plug w/- 1600psi, Float did not hold, shout pressure in at the head for 4hrs wait on cement. Pumping rate for lead slurry and tail slurry , displacement was 3bbl per min. with circulating pressure rising to a maximum of 671 psi.

			by temperature survey:		**CBL:**	**Calculated:**	**132m**
Signature:	*Tony Franks*				**Date:**	28-Aug-2005	

NOTE: ATTACH COPY OF CASING TALLY TO THIS REPORT

7" CASING RUNNING TALLY

WELL DATA:		CASING DATA:	
NAME:	**Fairview # 97**	**SIZE (inches):**	7
DATE:	27/8/2005	**GRADE:**	NT-80
HOLE SIZE:	8.5"	**WEIGHT (lb/ft):**	23
TOTAL DEPTH (metres):	**695.00**	**I.D. (inches):**	6.366
MUD WEIGHT (ppg):	N/A	**DISPLACEMENT (bbls/metre):**	0.027
SHOE DEPTH (metres):	**690.00**	**CAPACITY (bbls/metre):**	0.129
F.C. DEPTH (metres):	**676.84**	**CONNECTION:**	BTC
RAT HOLE (metres):	5	**TORQUE (min) (ft/lbs):**	3,260
TOP OF WELLHEAD (metres):	N/A	**TORQUE (max) (ft/lbs):**	5,440
MLC HANGER POINT (metres):	N/A	**BURST PRESSURE (psi):**	6,336

		SHOE @:	**690.00**		
Jt. No.	**Length**	**Cum. Length**	**Box Depth**		
Shoe	0.32	0.32	**689.68**		**REMARKS**
1	12.62	12.94	677.06	1	centraliser on stop collar (centre of joint)
Float	0.22	13.16	**676.84**		
2	12.61	25.77	664.23	2	
3	12.60	38.37	651.63	3	centraliser on stop collar (centre of joint)
4	11.96	50.33	639.67	4	
5	12.59	62.92	627.08	5	centraliser on stop collar (centre of joint)
6	12.62	75.54	614.46	6	
7	12.59	88.13	601.87	7	centraliser on stop collar (centre of joint)
8	12.61	100.74	589.26	8	
9	12.59	113.33	576.67	9	
10	12.59	125.92	564.08	10	centraliser on stop collar (centre of joint)
11	12.60	138.52	551.48	11	
12	12.60	151.12	538.88	12	
58	12.59	163.71	526.29	13	centraliser on stop collar (centre of joint)
14	12.61	176.32	513.68	14	
15	12.60	188.92	501.08	15	
16	11.80	200.72	489.28	16	
17	12.58	213.30	476.70	17	
18	12.60	225.90	464.10	18	
19	12.62	238.52	451.48	19	
20	12.59	251.11	438.89	20	
21	12.60	263.71	426.29	21	
22	11.80	275.51	414.49	22	
23	12.61	288.12	401.88	23	
24	12.60	300.72	389.28	24	
25	12.61	313.33	376.67	25	
26	12.60	325.93	364.07	26	
60	12.59	338.52	351.48	27	
28	12.60	351.12	338.88	28	
29	12.60	363.72	326.28	29	
30	12.60	376.32	313.68	30	
31	12.59	388.91	301.09	31	
32	12.60	401.51	288.49	32	
33	12.61	414.12	275.88	33	
34	12.60	426.72	263.28	34	
35	12.62	439.34	250.66	35	

7" CASING RUNNING TALLY

WELL DATA:		CASING DATA:	
NAME:	Fairview # 97	SIZE (inches):	7
DATE:	27/8/2005	GRADE:	NT-80
HOLE SIZE:	8.5"	WEIGHT (lb/ft):	23
TOTAL DEPTH (metres):	**695.00**	I.D. (inches):	6.366
MUD WEIGHT (ppg):	N/A	DISPLACEMENT (bbls/metre):	0.027
SHOE DEPTH (metres):	**690.00**	CAPACITY (bbls/metre):	0.129
F.C. DEPTH (metres):	**676.84**	CONNECTION:	BTC
RAT HOLE (metres):	5	TORQUE (min) (ft/lbs):	3,260
TOP OF WELLHEAD (metres):	N/A	TORQUE (max) (ft/lbs):	5,440
MLC HANGER POINT (metres):	N/A	BURST PRESSURE (psi):	6,336

		SHOE @:	690.00		
Jt. No.	Length	Cum. Length	Box Depth		
36	12.59	451.93	238.07	36	
37	12.60	464.53	225.47	37	
38	12.59	477.12	212.88	38	
39	12.59	489.71	200.29	39	
62	12.60	502.31	187.69	40	
41	12.58	514.89	175.11	41	
42	12.60	527.49	162.51	42	
43	12.59	540.08	149.92	43	
44	12.61	552.69	137.31	44	
61	12.60	565.29	124.71	45	
46	12.61	577.90	112.10	46	
47	12.60	590.50	99.50	47	
48	12.61	603.11	86.89	48	
49	12.60	615.71	74.29	49	
50	12.60	628.31	61.69	50	
51	12.59	640.90	49.10	51	
52	12.59	653.49	36.51	52	
53	12.62	666.11	23.89	53	
57	12.60	678.71	11.29	54	
55	12.60	691.31	-1.31	55	
TOTAL OF 8 JOINTS LEFT AFTER RUNNING LAST JOINT					
13	11.78	703.09	-13.09		
27	11.80	714.89	-24.89		
40	11.79	726.68	-36.68		
45	11.78	738.46	-48.46		
54	11.80	750.26	-60.26		
56	12.58	762.84	-72.84		
59	11.80	774.64	-84.64		
63	11.80	786.44	-96.44		

TIPPERARY OIL & GAS AUSTRALIA

Casing Running & Cementing Report

Well Name:	Fairview 97	**County:**	Injune	**State:**	Queensland

Hole Size:	12 1/4	"	**Depth**	198m	'	**Date Cemented:**	August 25, 2005	**Mud Weight:**	8.5 #/gallon
Ground Level:	481.0m		**DF**	485.3m		**KB**			

Casing Detail (Show casing as run in hole--bottom to top. Threads Off Meaurement.)

No. of Joints:	Size O.D.	Manufacturer--Item	Wt./#	Grade	Type Threads	Meterage
		Guide shoe			BTC	0.34
1	9 5/8	36# K55 Casing	36	K55	BTC	12.63
		Float collar			BTC	0.24
14	9 5/8	36# K55 Casing	36	K55	BTC	176.89
1	9 5/8	landing joint	36	K56	BTC	7.2
					TOTAL:	197.3

Set Casing @:	195.6m	' KB	**Scratchers:**	
Total Jts. Run:	15			
Float Collar	182.39m	' KB	**Centralizers:**	3 centralizers were run on the 1st,3rd,5th joints
Other Equipment:				

Comments:

Cementing Company:	Halliburton		**Circulated:**		**mins. @**	**psi.**
Started Mixing:	12:20	25-Aug-05	**Pressure on Plug:**	1400		**psi.**
Plug Down @	12:50	25-Aug-05	**Bled to:**	0		**psi.**

Cemented with:

Safety Meeting, 5bbl spacer,pressure test lines to 3000psi, 5bbl spacer, batch mix & pump 46bbls lead @ 13.5ppg (150sx 'A', 6% GEL),batch mix & pump 31bbls tail @ 15.6ppg (150sx 'A' ,1%$CaCl_2$), displace w/- 47bbls water,bump plug w/- 1400psi, bleed off 0.5bbl return. Pumping rate for both slurry and displacement was 3bbl per min. with circulating pressure rising to a maximum of 370 psi. Cement returns after 15bbl into displacement.

	Surface	**by temperature survey:**		**CBL:**		**Calculated:**
Signature:	*Tony Franks*			**Date:**	August 25, 2005	

NOTE: ATTACH COPY OF CASING TALLY TO THIS REPORT

9-5/8" CASING RUNNING TALLY

WELL DATA:		CASING DATA:	
NAME:	**Fairview 97**	**SIZE (Inches):**	9.625
DATE:	24/8/2005	**GRADE:**	K55
HOLE SIZE:	12.25	**LB/FT:**	36
TOTAL DEPTH (M):	198	**I.D. (Inches):**	8.921
MUD WEIGHT:	air	**DISPLACEMENT (bbls/ft):**	0.0899bbls/ft
SHOE DEPTH (M):	**195.60**	**CAPACITY (bbls/ft):**	0.0773bbls/ft
F.C. DEPTH (M):	**182.39**	**CONNECTION:**	BTC
RAT HOLE (M):	2.4	**TORQUE (MIN):**	3,670ft/lbs
TOP OF WELLHEAD (M):	N/A	**TORQUE (MAX):**	6,110ft/lbs
MLC HANGER POINT (M):	N/A	**MIN INTERNAL YIELD:**	3,520psi

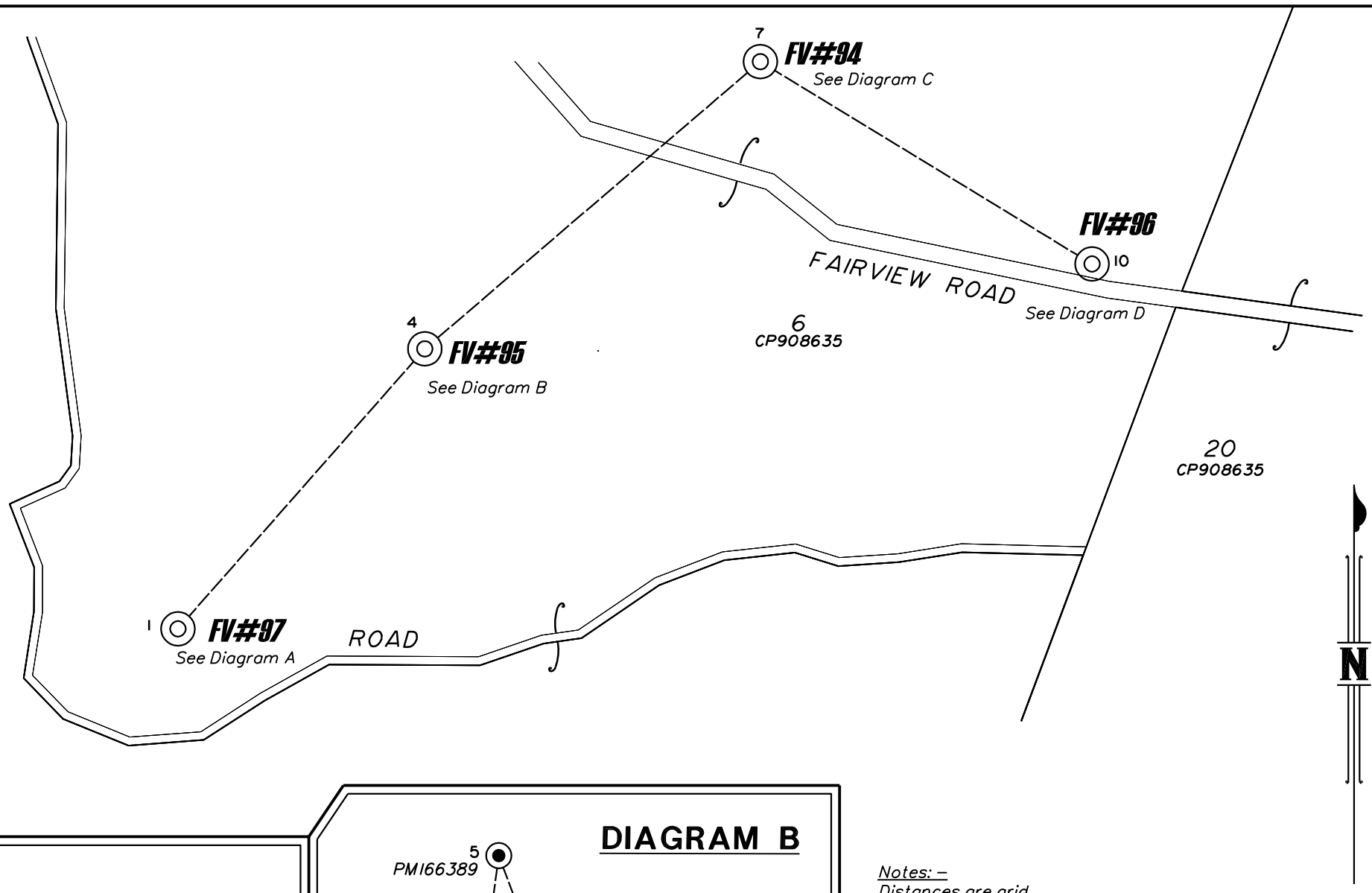
		SHOE @:	**195.60**		
JT. NO.	**LENGTH**	**CUM L'TH**	**BOX D'TH**		
Shoe	0.34	0.34	**195.26**		**REMARKS**
1	12.63	12.97	182.63	1	centraliser on stop collar
Float	0.24	13.21	182.39		
2	12.64	25.85	169.75	2	
3	12.63	38.48	157.12	3	centraliser
4	12.64	51.12	144.48	4	
5	12.64	63.76	131.84	5	centraliser
6	12.63	76.39	119.21	6	
7	12.64	89.03	106.57	7	
8	12.65	101.68	93.92	8	
9	12.62	114.30	81.30	9	
10	12.64	126.94	68.66	10	
11	12.63	139.57	56.03	11	
12	12.64	152.21	43.39	12	
13	12.63	164.84	30.76	13	
14	12.63	177.47	18.13	14	
15	12.63	190.10	5.50	15	
Land jt.	7.20	197.30	-1.70		

TOTAL OF 2 JOINTS LEFT AFTER RUNNING CASING

16	12.62	209.92			**Comments**
17	12.64	222.56			
18	12.65	235.21			

APPENDIX 4

Well Location Survey Plan



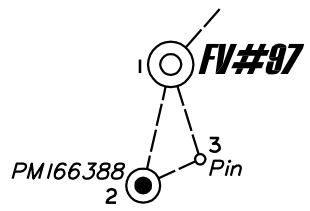


DIAGRAM A

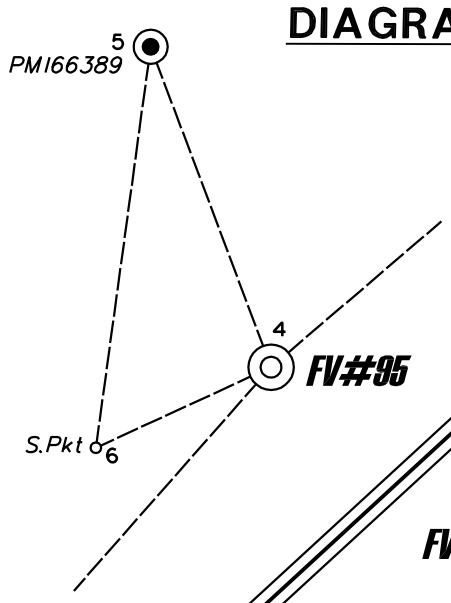


DIAGRAM B

Notes: –
Distances are grid.
All points located by GPS.
Stations 2, 3, 5, 6, 8, 9, 11 and 12 are marked by red and white posts.
MGA coordinates derived using GRS80 Spheroid and Ausgeoid98 geoidal model.
Reference stations : – PM69119, PM69534, PM76863, PM91276, PM104204 and PM112516

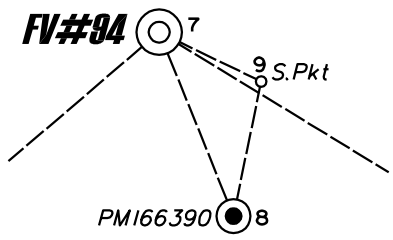


DIAGRAM C

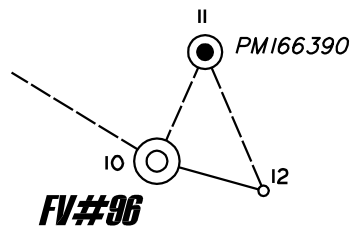


DIAGRAM D

A.M.G.(66) COORDINATES

STATION	EASTING	NORTHING
1	696245·66	7162283·396
4	697122·442	7163278·058
7	698314·048	7164298·301
10	699492·268	7163579·543

GEOGRAPHIC COORDINATES GDA

STATION	LATITUDE (S)	LONGITUDE (E)
1	25°38'32·6583655"	148°57'21·4169081"
2	25°38'34·7476536"	148°57'20·9283702"
3	25°38'34·2787618"	148°57'22·0022473"
4	25°37'59·9198617"	148°57'52·3143868"
5	25°37'54·441432"	148°57'49·9417859"
6	25°38'01·349765"	148°57'49·0161969"
7	25°37'26·1961088"	148°58'34·4760051"
8	25°37'29·3389138"	148°58'35·9371452"
9	25°37'29·3318164"	148°58'36·4616269"
10	25°37'48·9750196"	148°59'17·0866986"
11	25°37'47·0868761"	148°59'17·9685504"
12	25°37'49·45633"	148°59'19·1156522"

M.G.A. COORDINATES ZONE 55

STATION	EASTING	NORTHING	RL
1	696359·675	7162465·753	473·864
2	696345·098	7162401·663	479·025
3	696375·265	7162415·649	474·326
4	697236·458	7163460·417	441·777
5	697172·774	7163629·981	448·348
6	697143·801	7163417·781	446·57
7	698428·065	7164480·663	415·61
8	698467·384	7164383·344	423·729
9	698482·019	7164454·595	418·107
10	699606·285	7163761·913	441·39
11	699631·758	7163819·646	442·368
12	699662·663	716374·252	443·268

TRAVERSES ETC

LINE	BEARING	DISTANCE
1–2	192°48'49"	65·727
1–3	162°42'59"	52·473
1–4	41°23'45"	1325·935
2–3	65°07'36"	33·25
4–5	339°24'54"	181·13
4–6	245°17'26"	101·996
4–7	49°25'48"	1568·7
5–6	187°46'30"	214·169
7–8	158°00'	104·96
7–9	115°47'15"	59·92
7–10	121°23'04"	1380·146
8–9	11°36'25"	72·738
10–11	23°48'30"	63·103
10–12	105°31'30"	58·513
11–12	157°09'55"	79·635

Bryant Edmonston & Associates Pty Ltd (ABN68114354602) hereby certify that the company has surveyed the location of the petroleum wells as shown on this plan, that the survey was performed in accordance with the Petroleum and Gas (Production and Safety) Act 2004 and associated Regulations and Standards and archieves the accuracies of the Standards and the survey was completed on 9/3/06.

..../...../.....
Surveyor and Director Date

CATALOGUED	EXAMINED	REGISTERED
/ /	/ /	/ / Chief Surveyor

LOCALITY

Approx.
LAT. S 25° 38' "
LONG. E 148° 58' "

FIELD NOTES LODGED
/ /

MINING RESOURCES
PLAN OF FAIRVIEW #94-#97

PARISH BEILBA
COUNTY WESTGROVE
MINING DISTRICT BRISBANE

DRAWN BY	MERIDIAN	SCALE	
SJB	MGA – ZONE 55	1: 20000	MP

MP

APPENDIX 5

Photos

DANGER
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cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
MADE IN CHINA

cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
MADE IN CHINA

cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
MADE IN CHINA

cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
MADE IN CHINA

0 cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0 cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
MADE IN CHINA

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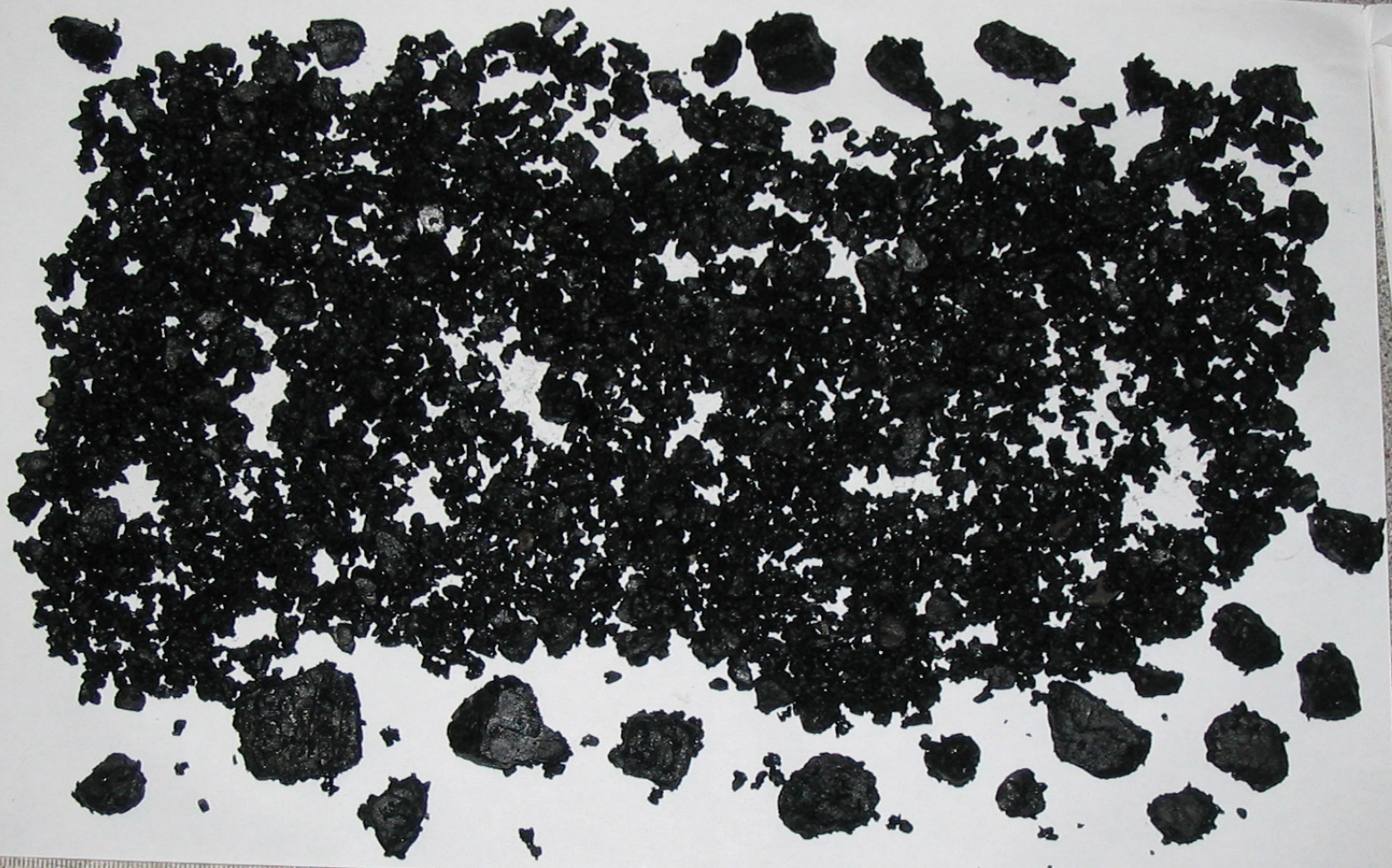

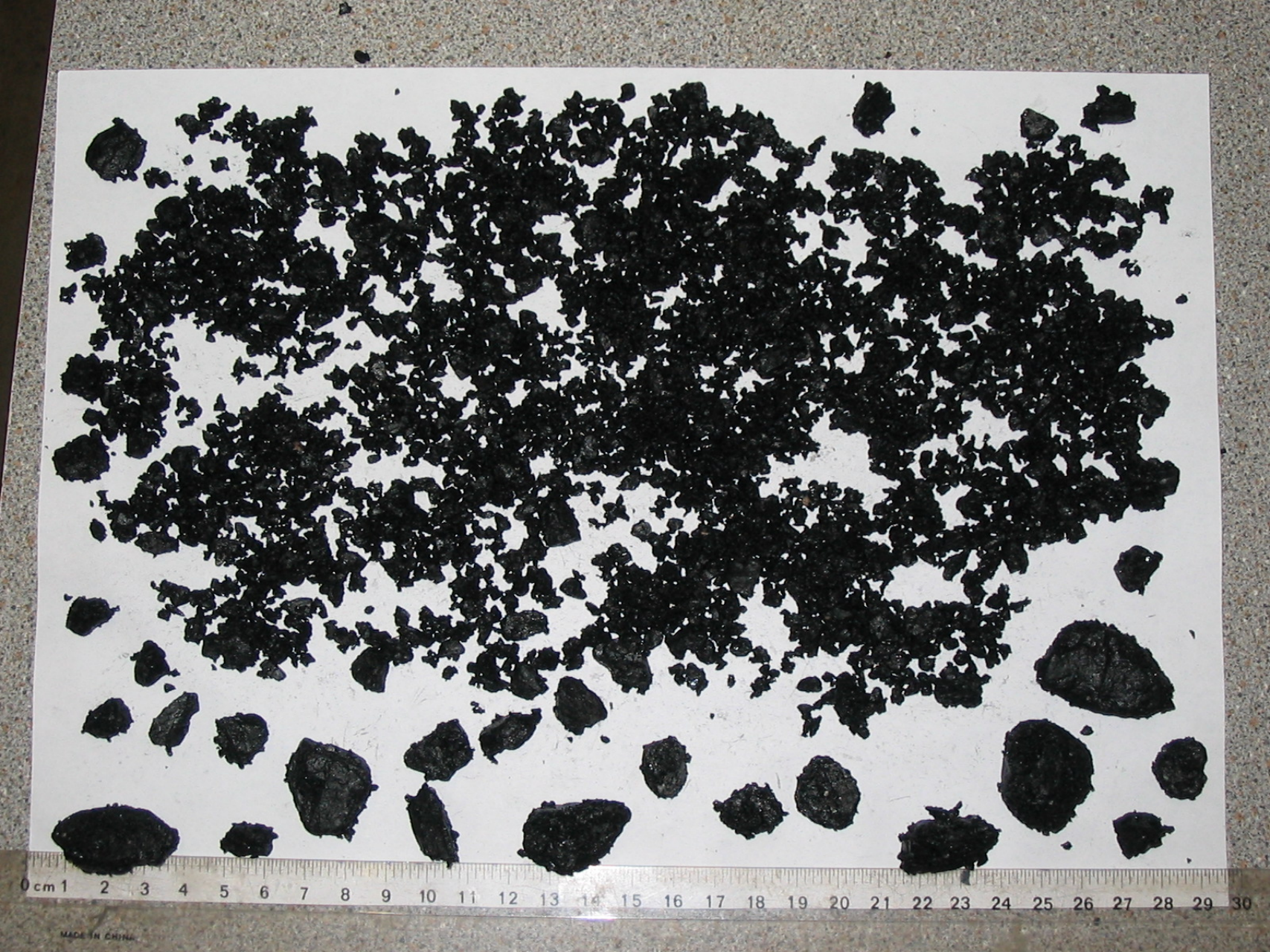
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MADE IN CHINA

0cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
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0cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
MADE IN CHINA

0cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
MADE IN CHINA

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
MADE IN CHINA

0cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
MADE IN CHINA