

Company: ExxonMobil

Well: MLA A-6a

Field: Marlin

Rig: Crane / Prod 4

Country: Australia

2 1/8" Enerjet Gun MWPT Perforating Record

Crane / Prod 4
Field: Marlin
Location: Gippsland Basin
Well: MLA A-6a
Company: ExxonMobil

LOCATION		Elev.:	K.B.	27.4 m
Gippsland Basin			G.L.	-59 m
Bass Strait			D.F.	27.4 m
Permanent Datum: _____		Mean Sea Level	Elev.: 0.0 m _____	
Log Measured From: _____		Kelly Bushing	27.4 m above Perm. Datum	
Drilling Measured From: _____		Kelly Bushing		
State: Victoria	Max. Well Deviation 50 deg	Longitude 148 13' 09.81" E	Latitude 38 13' 55.49" S	

Logging Date	4-Jan-2006	
Run Number	5 - 6	
Depth Driller	3563 m	
Schlumberger Depth	3418 m - Not Tagged	
Bottom Log Interval	3412.4 m	
Top Log Interval	3404.5 m	
Casing Fluid Type	Gas	
Salinity		
Density		
Fluid Level		
BIT/CASING/TUBING STRING		
Bit Size	8.500 in	
From		
To		
Casing/Tubing Size	7.000 in	
Weight	26 lbm/ft	
Grade	L-80	
From	10.4 m	
To	3563 m	
Maximum Recorded Temperatures	130 degC	
Logger On Bottom	4-Jan-2006	8:00
Unit Number	1	AUSL
Recorded By	Paul Tarrant	
Witnessed By	Greg Rimmer	

PVT DATA		
Oil Density	Run 1	Run 2
Water Salinity		
Gas Gravity		
Bo		
Bw		
1/Bg		
Bubble Point Pressure		
Bubble Point Temperature		
Solution GOR		
Maximum Deviation	50 deg	
CEMENTING DATA		
Primary/Squeeze	Primary	
Casing String No		
Lead Cement Type		
Volume		
Density		
Water Loss		
Additives		
Tail Cement Type		
Volume		
Density		
Water Loss		
Additives		
Expected Cement Top		
Logging Date		
Run Number		
Depth Driller		
Schlumberger Depth		
Bottom Log Interval		
Top Log Interval		
Casing Fluid Type		
Salinity		
Density		
Fluid Level		
BIT/CASING/TUBING STRING		
Bit Size		
From		
To		
Casing/Tubing Size		
Weight		
Grade		
From		
To		
Maximum Recorded Temperatures		
Logger On Bottom		
Unit Number		
Recorded By		
Witnessed By		

DEPTH SUMMARY LISTING

Date Created: 30-DEC-2005 12:41:34

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-H Serial Number: 797 Calibration Date: 01-May-2005 Calibrator Serial Number: 1009 Calibration Cable Type: 2-32ZT Wheel Correction 1: -3 Wheel Correction 2: 2	Type: CMTD-C Serial Number: 1037 Calibration Date: 22 Sep 05 Calibrator Serial Number: 57144 Calibration Gain: 1.29 Calibration Offset: 777.00	Type: 2-32ZT Serial Number: 22372 Length: 5099.91 M <hr/> Conveyance Method: Wireline Rig Type: Offshore_Fixed

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	Solar Log
Reference Log Run Number:	Unknown
Reference Log Date:	31-Mar-2004

Depth Control Remarks

1.	
2.	
3.	
4.	
5.	
6.	

DISCLAIMER

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OTHER SERVICES1 OS1: None OS2: OS3: OS4: OS5:
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REMARKS: RUN NUMBER 1 Log correlated to Solar log, dated 31 Mar 2004, provided by the client.
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Objective: To perforate the well at 3404.5m to 3412.4m MDKB using 2 1/8" Enerjet gun loaded with PowerSpiral charges. Before perforating, obtain static FBHP and FBHT. After perforating, monitor well for 15min to obtain FBHP and FBHT. Static: FBHP = 3577psi, FBHT = 262degF

After Perforating: FBHP = 3655psi, FBHT = 265degF

API Data: PowerSpiral charges, UN 0441

Petration: 27.3"

Entrance Hole: 0.25"

Specialist: Paul Tarrant

Operators: Jakob Annear & Brendon Flyn

Performed by Schlumberger

RUN 1			RUN 2		
PROGRAM VERSION:		AUSL05148532	PROGRAM VERSION:		
FLUID LEVEL:		13C0-300	FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

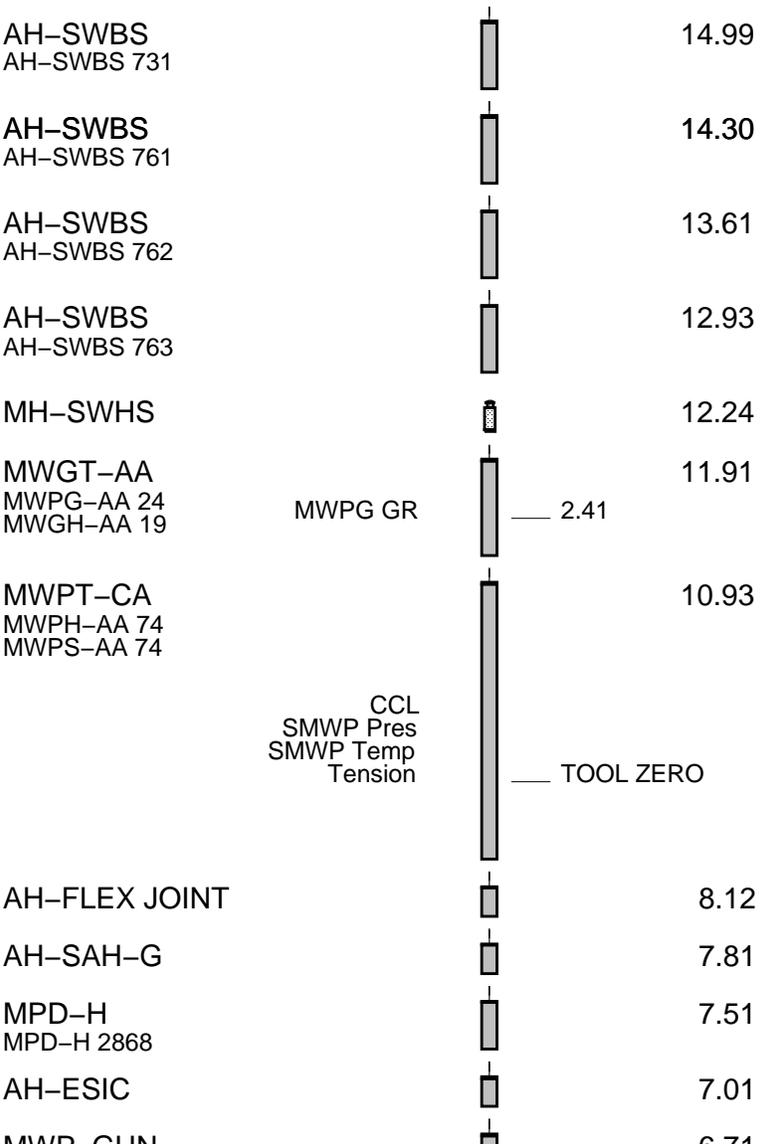
EQUIPMENT DESCRIPTION

RUN 1 RUN 2

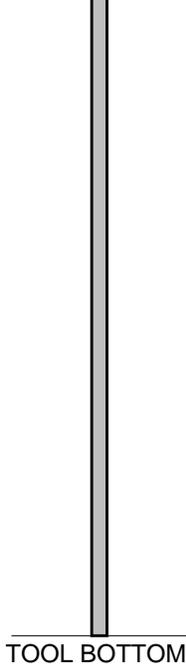
SURFACE EQUIPMENT

MWPM-AA 37

DOWNHOLE EQUIPMENT



RUN 2



TOOL BOTTOM

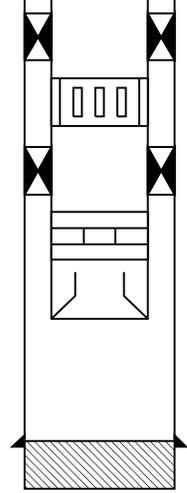
MAXIMUM STRING DIAMETER 1.69 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client: ExxonMobil
Well: MLA A-6a
Field: Marlin
State: Victoria
Country: Australia

Rig Name: Marlin
Reference Datum: Kelly Bushing
Elevation: 27.9 m

Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing Hanger	13.375	4.500	11.3		1094 10.4	12.075 13.375	7.000	Casing String Liner Hanger
Tubing	4.500		11.3					
Shutin Valve	4.500		448.9					
Gas Lift Mandrel	4.500		477.3					
Gas Lift Mandrel	4.500		746.2					
Gas Lift Mandrel	4.500		1169.8					
Gas Lift Mandrel	4.500		1303.6					
Nipple	4.500		1319.2		1013.2	13.375		Casing Shoe

Packer	7.000	4.500	2718.0
Sliding Sleeve	4.500		2726.6
Packer	7.000	4.500	2788.9
Nipple	4.500		2795.1
Bell Nipple Guide	4.500		2799.5



3563.0	7.000
3526.5	

Casing Shoe
PBD

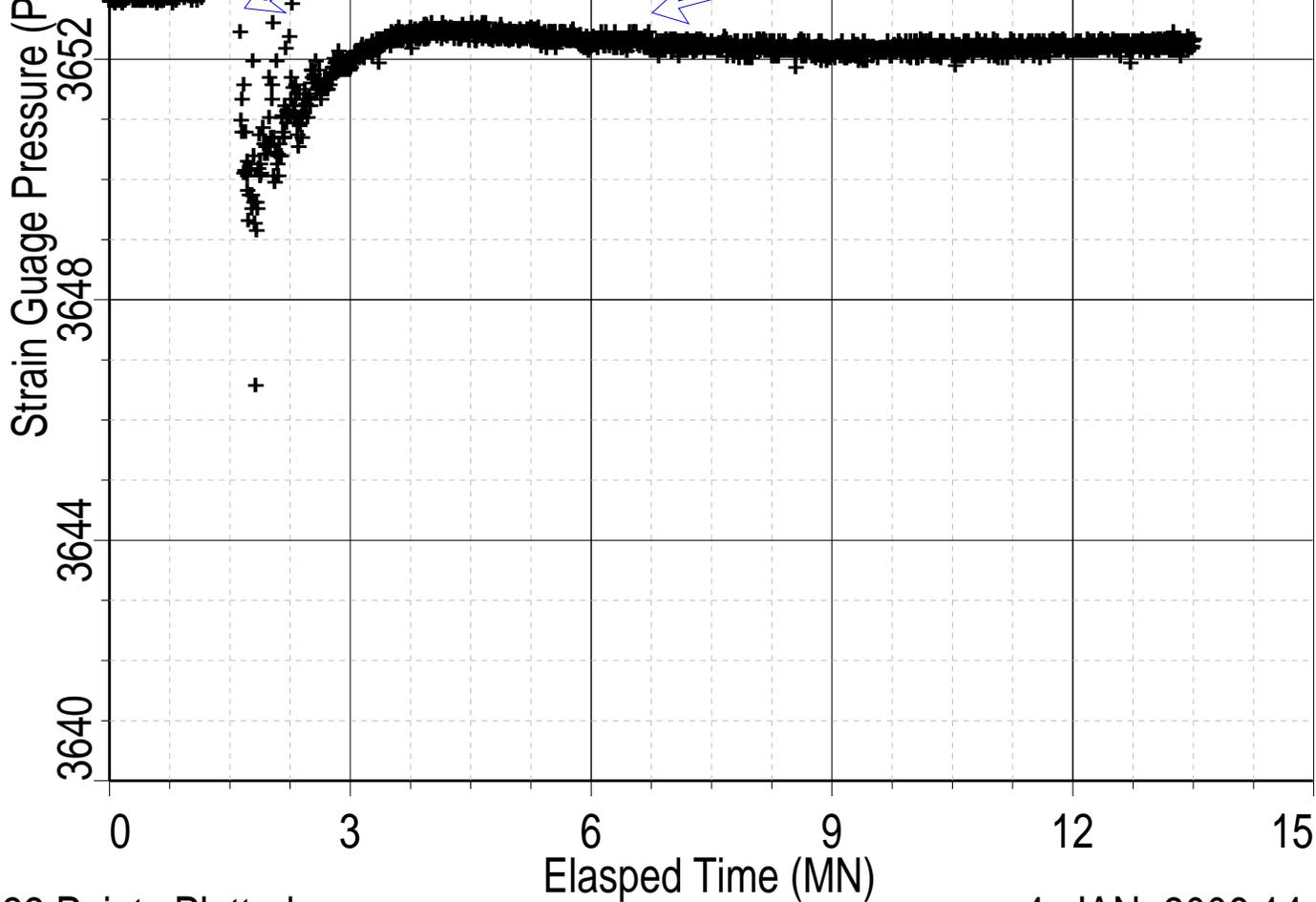


MWPT 2 1/8" Enerjet Gun
Station Log – 2nd Gun

MAXIS Field Log

Index: 16149.3 – 20266.7 M





1622 Points Plotted

4-JAN-2006 14:47

Output DLIS Files

DEFAULT PERFO_042LTP FN:40 PRODUCER 04-Jan-2006 14:22 3401.1 M 2.1 M

OP System Version: 13C0-300

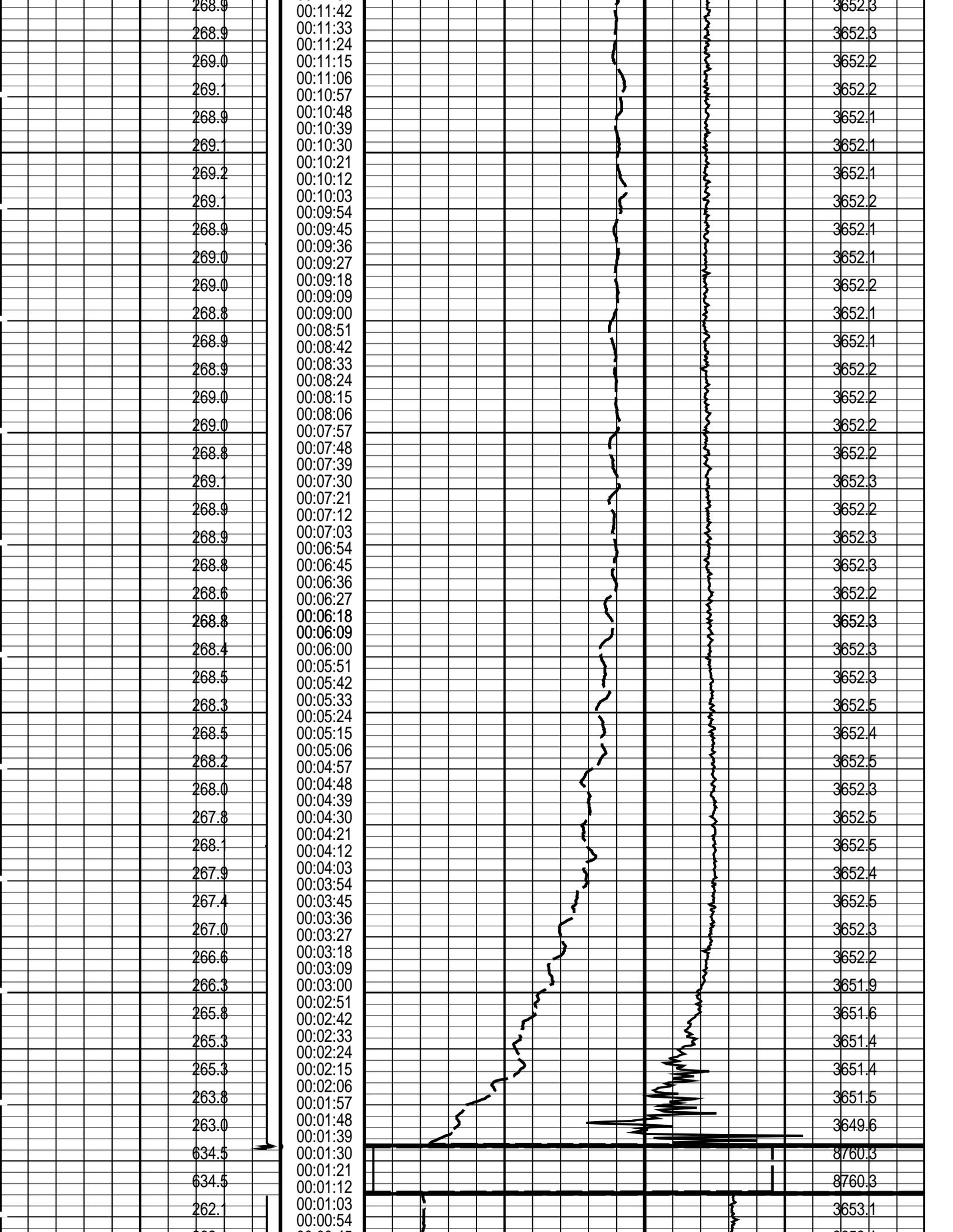
MCM

MWP_GUN SRC-2820-ASFS-WPP_t MWPT-CA SRC-2820-ASFS-WPP_t
 MWGT-AA SRC-2820-ASFS-WPP_t

PIP SUMMARY

Time Mark Every 60 S

CCL From CCL to T1		Firing Sequence State (FSS SL) (----	Temperature (TEMP_MWPT_SL) (DEGF)	Pressure (SGPA_SL) (PSIA)
-19 (----		0 1024	0 20	0 20
Casing Collar Locator (CCL_SL)		Elapsed Time (ETIM)	Strain Gauge Pressure (SGP_SL)	
-19 (----		(S)	(PSIA)	
	269.0	00:13:30		3652.3
	269.1	00:13:21		3652.4
	269.0	00:13:12		3652.3
	269.0	00:13:03		3652.3
	269.0	00:12:54		3652.3
	269.0	00:12:45		3652.3
	269.0	00:12:36		3652.3
	269.0	00:12:27		3652.3
	269.0	00:12:18		3652.1
	269.0	00:12:09		3652.2
	269.1	00:12:00		3652.2
	269.0	00:11:51		3652.2



262.1	00:00:45	3653.1
262.1	00:00:36	3653.2
262.1	00:00:27	3653.1
262.1	00:00:09	3653.1
262.1	00:00:00	3653.1

Casing Collar Locator (CCL_SL)	Elapsed Time (ETIM) (S)	Strain Gauge Pressure (SGP_SL) (PSIA)
-19 (----) 1	0	20
CCL From CCL to T1	Firing Sequence State (FSS_SL) (----)	Temperature (TEMP_MWPT_SL) (DEGF)
	0	20
	0 1024	

Temperature (TEMP_MWPT_SL) (DEGF)	Pressure (SGPA_SL) (PSIA)
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PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL		
DEVI_FL_CORR	Deviation Angle for Flow Line Correction	0 DEG
FLD	Flow Line Density	1 G/C3
MWPT_NULL_SOURCE	MWPT NULL Temperature Source	TEMS
MWPT_NULL_TEMP	MWPT NULL Temperature	0.0 DEGC

Format: MWP_SL Vertical Scale: 1" per 60S Graphics File Created: 04-Jan-2006 14:22

OP System Version: 13C0-300
MCM

MWP_GUN	SRC-2820-ASFS-WPP_t	MWPT-CA	SRC-2820-ASFS-WPP_t
MWGT-AA	SRC-2820-ASFS-WPP_t		

Output DLIS Files

DEFAULT	PERFO_042LTP	FN:40	PRODUCER	04-Jan-2006 14:22
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MWPT 2 1/8" Enerjet Gun
Shooting Pass - 2nd Gun

MAXIS Field Log

Output DLIS Files

DEFAULT	PERFO_041LUP	FN:39	PRODUCER	04-Jan-2006 14:19	3415.9 M	3359.8 M
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OP System Version: 13C0-300
MCM

MWP_GUN	SRC-2820-ASFS-WPP_t	MWPT-CA	SRC-2820-ASFS-WPP_t
MWGT-AA	SRC-2820-ASFS-WPP_t		

PIP SUMMARY

Time Mark Every 60 S

Temperature (TEMP_MWPT)	Pressure (SGPA)
--------------------------------	------------------------

(TEMP MWPT)
(DEGF)

CCL
From CCL to T1

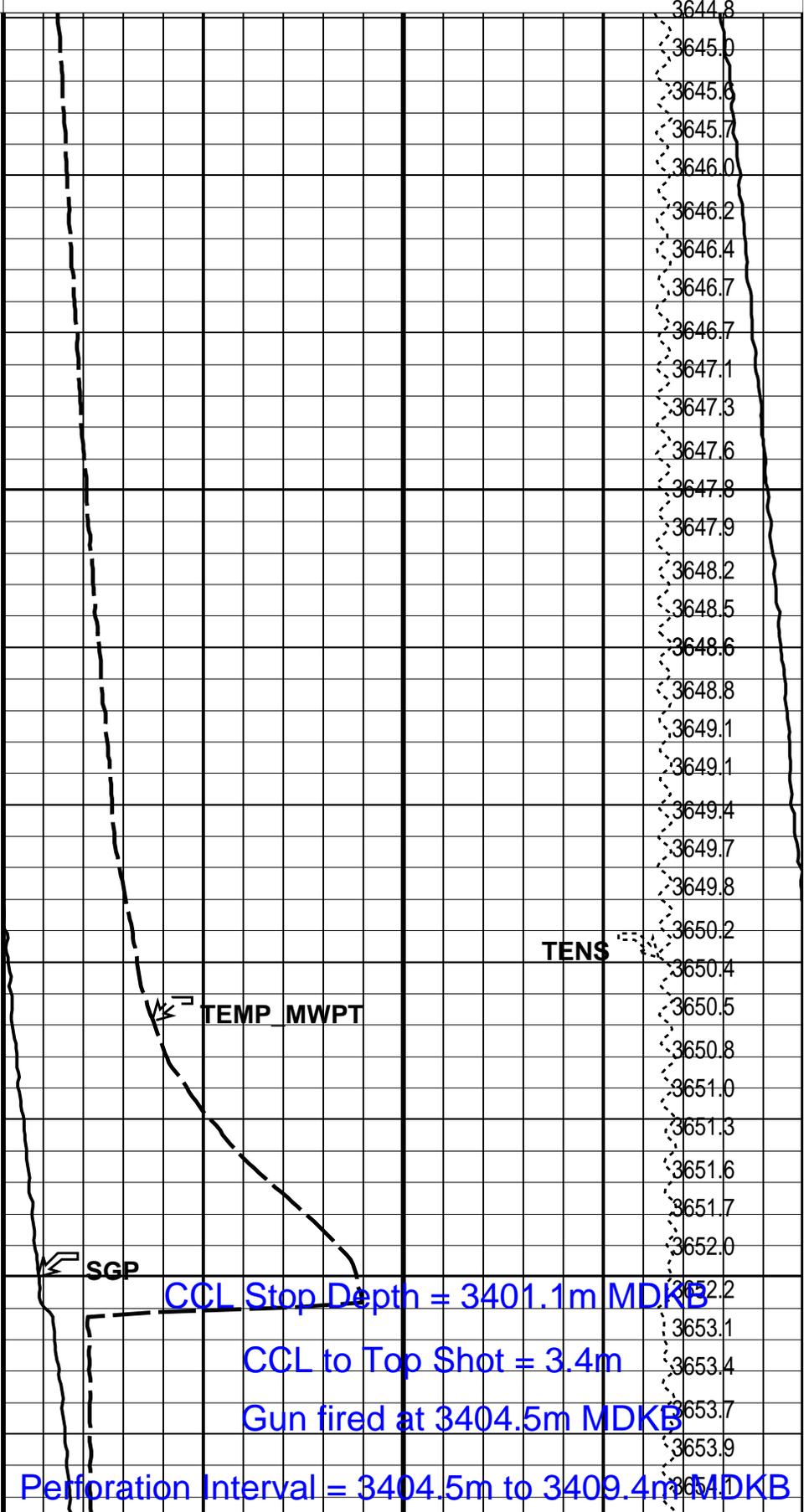
Gamma Ray (GR)
(GAPI) 0 150

Casing Collar Locator (CCL)
-19 (----) 1

Tension (TENS)
(LBF) 0 3000

Temperature (TEMP MWPT)
(DEGF) 0 20

Strain Gauge Pressure (SGP)
(PSIA) 0 50



3375

3400

TEMP MWPT

SGP

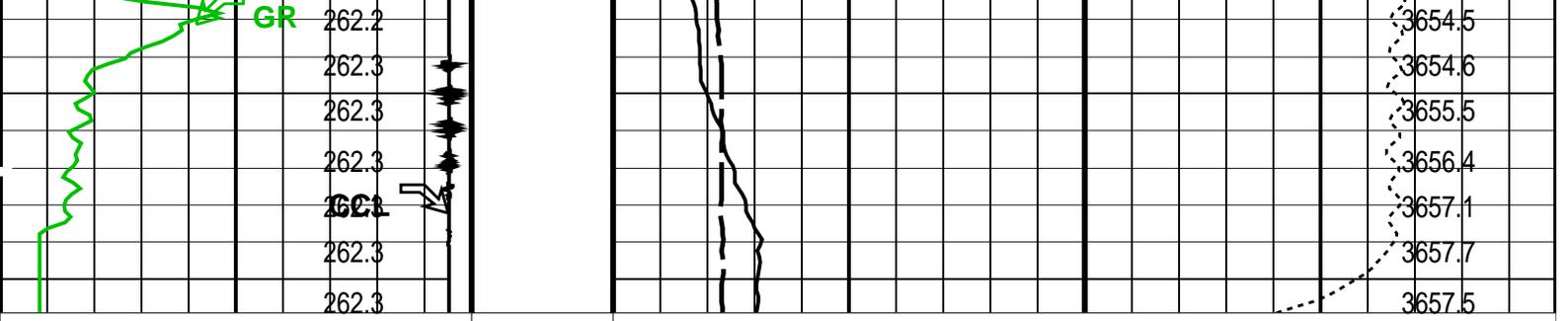
TENS

CCL Stop Depth = 3401.1m MDKB

CCL to Top Shot = 3.4m

Gun fired at 3404.5m MDKB

Perforation Interval = 3404.5m to 3409.4m MDKB



Casing Collar Locator (CCL) -19 (----) 1		Strain Gauge Pressure (SGP) 0 (PSIA) 50	
Gamma Ray (GR) 0 (GAPI) 150		Temperature (TEMP_MWPT) 0 (DEGF) 20	
CCL From CCL to T1		Tension (TENS) 0 (LBF) 3000	
Temperature (TEMP_MWPT) (DEGF)		Pressure (SGPA) (PSIA)	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL		
DEVI_FL_CORR	Deviation Angle for Flow Line Correction	0 DEG
FLD	Flow Line Density	1 G/C3
MWPT_NULL_SOURCE	MWPT NULL Temperature Source	TEMS
MWPT_NULL_TEMP	MWPT NULL Temperature	0.0 DEGC

Format: MWP Vertical Scale: 1:200 Graphics File Created: 04-Jan-2006 14:19

OP System Version: 13C0-300

MCM

MWP_GUN	SRC-2820-ASFS-WPP_t	MWPT-CA	SRC-2820-ASFS-WPP_t
MWGT-AA	SRC-2820-ASFS-WPP_t		

Output DLIS Files

DEFAULT	PERFO_041LUP	FN:39	PRODUCER	04-Jan-2006 14:19
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MWPT 2 1/8" Enerjet Gun
Correlation Pass - 2nd Gun

MAXIS Field Log

Output DLIS Files

DEFAULT	PERFO_040LUP	FN:38	PRODUCER	04-Jan-2006 14:11	3416.0 M	3370.0 M
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OP System Version: 13C0-300

MCM

MWP_GUN	SRC-2820-ASFS-WPP_t	MWPT-CA	SRC-2820-ASFS-WPP_t
MWGT-AA	SRC-2820-ASFS-WPP_t		

202.3	262.3	3656.6
Casing Collar Locator (CCL)		Strain Gauge Pressure (SGP)
-19	(----	1
0		50
Gamma Ray (GR)		Temperature (TEMP_MWPT)
(GAPI)		(DEGF)
0	150	20
CCL From CCL to T1		Tension (TENS)
		(LBF)
		0
Temperature (TEMP_MWPT) (DEGF)		Pressure (SGPA) (PSIA)
		3000

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL		
DEVI_FL_CORR	Deviation Angle for Flow Line Correction	0 DEG
FLD	Flow Line Density	1 G/C3
MWPT_NULL_SOURCE	MWPT NULL Temperature Source	TEMS
MWPT_NULL_TEMP	MWPT NULL Temperature	0.0 DEGC

Format: MWP Vertical Scale: 1:200 Graphics File Created: 04-Jan-2006 14:11

OP System Version: 13C0-300
MCM

MWP_GUN SRC-2820-ASFS-WPP_t MWPT-CA SRC-2820-ASFS-WPP_t
MWGT-AA SRC-2820-ASFS-WPP_t

Output DLIS Files

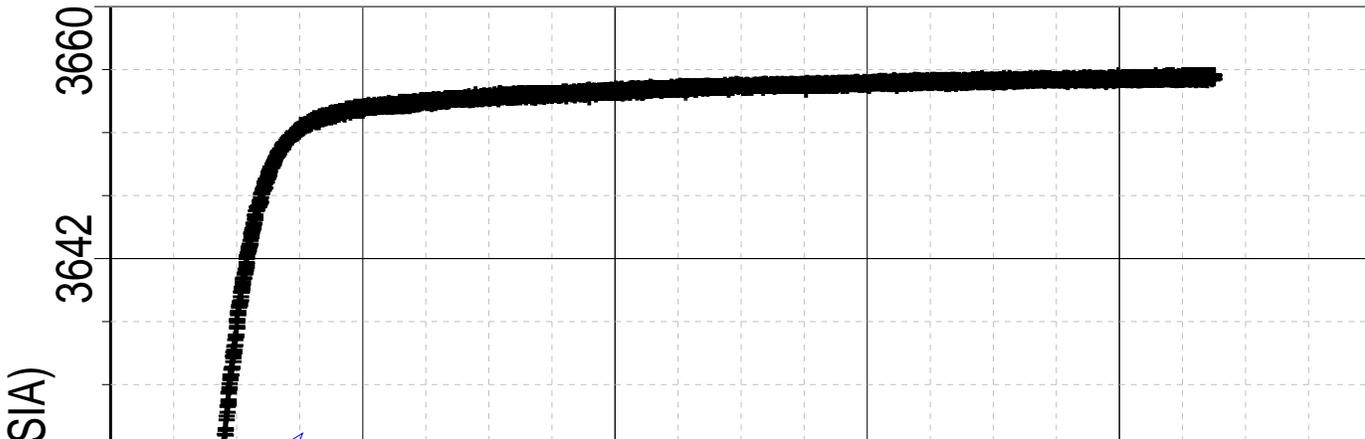
DEFAULT PERFO_040LUP FN:38 PRODUCER 04-Jan-2006 14:11

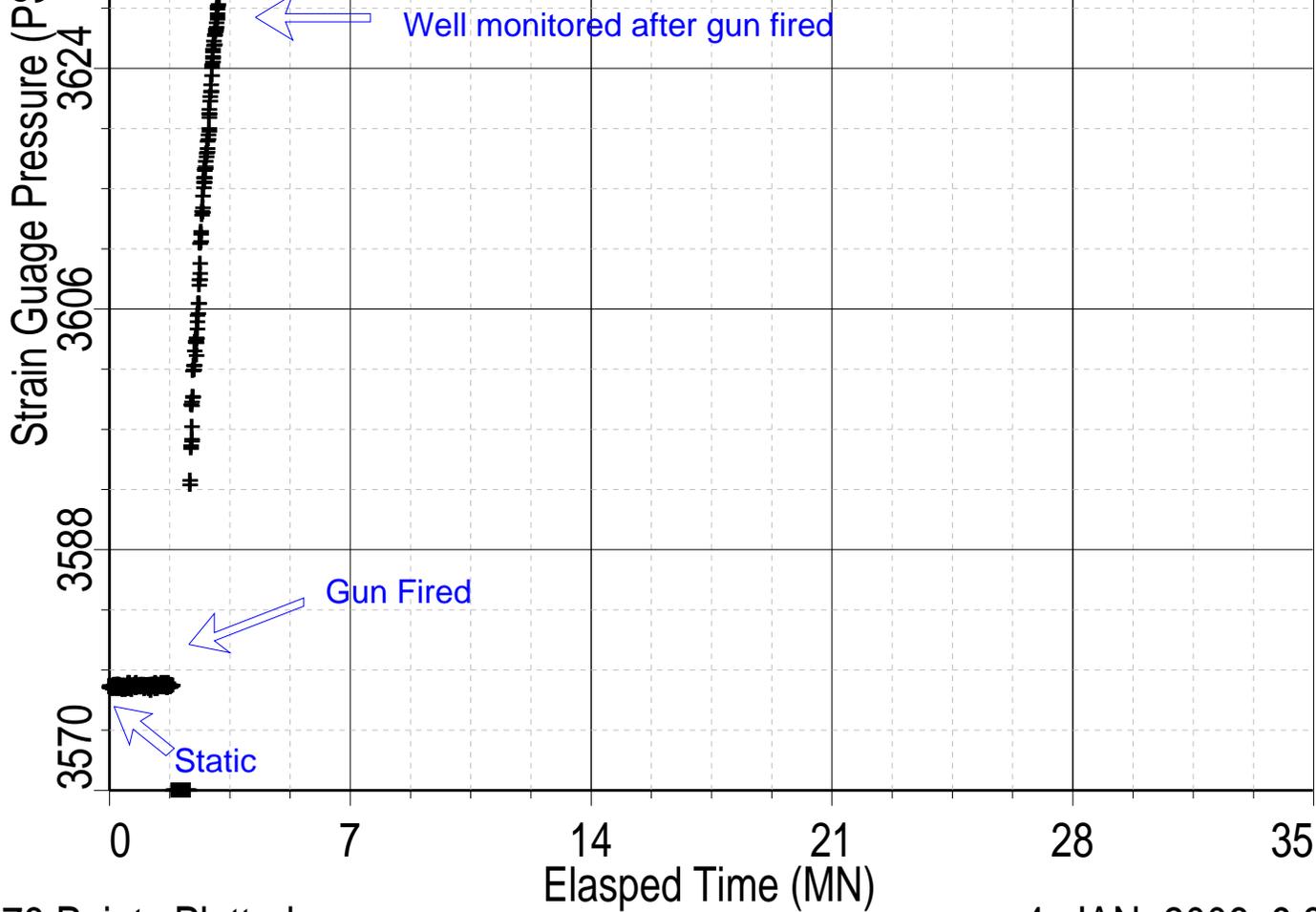


MWPT 2 1/8" Enerjet Gun
Station Log - 1st Gun

MAXIS Field Log

Index: 16911.3 - 26250.9 M





3678 Points Plotted

4-JAN-2006 9:32

Output DLIS Files

DEFAULT PERFO_035LTP FN:33 PRODUCER 04-Jan-2006 08:25 3405.9 M 4.7 M

OP System Version: 13C0-300 MCM

MWP_GUN SRC-2820-ASFS-WPP_t MWPT-CA SRC-2820-ASFS-WPP_t
MWGT-AA SRC-2820-ASFS-WPP_t

PIP SUMMARY

Time Mark Every 60 S

Temperature (TEMP_MWPT_SL) (DEGF)		Pressure (SGPA_SL) (PSIA)	
CCL From CCL to T1		Firing Sequence State (FSS_SL) (----)	Temperature (TEMP_MWPT_SL) (DEGF)
		0 1024	0 20
Casing Collar Locator (CCL_SL) (----)		Elapsed Time (ETIM) (S)	Strain Gauge Pressure (SGP_SL) (PSIA)
-19 1			0 20
264.8	00:30:36		3655.1
264.8	00:30:27		3654.9
264.8	00:30:18		3655.1
264.9	00:30:09		3654.9
264.9	00:29:51		3655.0
264.9	00:29:42		3654.8
264.9	00:29:33		3654.9
264.9	00:29:24		3654.8
264.9	00:29:15		3654.9
264.9	00:29:06		

264.9	00:28:57	3654.9
264.9	00:28:48	3654.9
264.9	00:28:39	3654.8
264.9	00:28:30	3654.8
264.9	00:28:21	3654.8
264.9	00:28:12	3654.8
265.0	00:28:03	3655.0
265.0	00:27:54	3654.8
265.0	00:27:45	3654.8
265.0	00:27:36	3654.9
265.0	00:27:27	3654.8
265.0	00:27:18	3654.8
265.0	00:27:09	3654.8
265.0	00:27:00	3654.8
265.0	00:26:51	3654.9
265.0	00:26:42	3654.9
265.0	00:26:33	3654.9
265.0	00:26:24	3654.8
265.1	00:26:15	3654.8
265.1	00:26:06	3654.8
265.1	00:25:57	3654.8
265.1	00:25:48	3654.8
265.1	00:25:39	3654.7
265.1	00:25:30	3654.7
265.1	00:25:21	3654.7
265.1	00:25:12	3654.8
265.2	00:25:03	3654.7
265.2	00:24:54	3654.7
265.2	00:24:45	3654.8
265.2	00:24:36	3654.7
265.2	00:24:27	3654.8
265.2	00:24:18	3654.7
265.2	00:24:09	3654.8
265.2	00:24:00	3654.6
265.2	00:23:51	3654.5
265.2	00:23:42	3654.5
265.3	00:23:33	3654.6
265.3	00:23:24	3654.6
265.3	00:23:15	3654.6
265.3	00:23:06	3654.6
265.3	00:22:57	3654.6
265.3	00:22:48	3654.5
265.3	00:22:39	3654.5
265.3	00:22:30	3654.7
265.3	00:22:21	3654.7
265.4	00:22:12	3654.4
265.4	00:22:03	3654.4
265.4	00:21:54	3654.7
265.4	00:21:45	3654.5
265.4	00:21:36	3654.5
265.4	00:21:27	3654.5
265.5	00:21:18	3654.5
265.4	00:21:09	3654.4
265.4	00:21:00	3654.5
265.5	00:20:51	3654.5
265.5	00:20:42	3654.4
265.5	00:20:33	3654.5
265.5	00:20:24	3654.5
265.5	00:20:15	3654.4
265.5	00:20:06	3654.4
265.5	00:19:57	3654.4
265.6	00:19:48	3654.4
265.6	00:19:39	3654.5
265.6	00:19:30	3654.4
265.6	00:19:21	3654.4
265.6	00:19:12	3654.4
265.6	00:19:03	3654.4
265.7	00:18:54	3654.4
265.7	00:18:45	3654.4
265.7	00:18:36	3654.3
265.7	00:18:27	3654.3
265.7	00:18:18	3654.3
265.7	00:18:09	3654.3
265.7	00:18:00	3654.3

265.7	00:16:50	3654.3
265.7	00:17:51	3654.3
265.7	00:17:42	3654.3
265.8	00:17:33	3654.3
265.8	00:17:24	3654.3
265.8	00:17:15	3654.3
265.8	00:17:06	3654.3
265.8	00:16:57	3654.1
265.8	00:16:48	3654.3
265.8	00:16:39	3654.3
265.9	00:16:30	3654.2
265.9	00:16:21	3654.2
265.9	00:16:12	3654.1
265.9	00:16:03	3654.1
265.9	00:15:54	3653.9
265.9	00:15:45	3654.2
265.9	00:15:36	3654.2
265.9	00:15:27	3654.1
266.0	00:15:18	3654.1
266.0	00:15:09	3654.1
266.0	00:15:00	3654.1
266.0	00:14:51	3654.1
266.0	00:14:42	3654.0
266.1	00:14:33	3654.1
266.1	00:14:24	3654.1
266.1	00:14:15	3653.9
266.1	00:14:06	3653.9
266.1	00:13:57	3653.9
266.2	00:13:48	3654.0
266.2	00:13:39	3654.0
266.2	00:13:30	3653.7
266.2	00:13:21	3653.8
266.2	00:13:12	3653.8
266.2	00:13:03	3653.9
266.2	00:12:54	3653.9
266.3	00:12:45	3653.8
266.3	00:12:36	3653.8
266.3	00:12:27	3653.7
266.3	00:12:18	3653.7
266.3	00:12:09	3653.7
266.3	00:12:00	3653.7
266.4	00:11:51	3653.8
266.4	00:11:42	3653.8
266.4	00:11:33	3653.6
266.4	00:11:24	3653.6
266.5	00:11:15	3653.5
266.4	00:11:06	3653.6
266.5	00:10:57	3653.6
266.5	00:10:48	3653.6
266.5	00:10:39	3653.6
266.5	00:10:30	3653.5
266.5	00:10:21	3653.5
266.5	00:10:12	3653.5
266.6	00:10:03	3653.4
266.6	00:09:54	3653.4
266.6	00:09:45	3653.5
266.6	00:09:36	3653.5
266.6	00:09:27	3653.4
266.7	00:09:18	3653.3
266.7	00:09:09	3653.3
266.7	00:09:00	3653.3
266.7	00:08:51	3653.3
266.7	00:08:42	3653.2
266.8	00:08:33	3653.2
266.8	00:08:24	3653.2
266.8	00:08:15	3653.0
266.8	00:08:06	3653.0
266.8	00:07:57	3653.0
266.8	00:07:48	3653.0
266.8	00:07:39	3653.0
266.8	00:07:30	3652.9
266.8	00:07:21	3652.9
266.8	00:07:12	3652.7
266.8	00:07:03	3652.7

OP System Version: 13C0-300

MCM

MWP_GUN SRC-2820-ASFS-WPP_t MWPT-CA SRC-2820-ASFS-WPP_t
 MWGT-AA SRC-2820-ASFS-WPP_t

Output DLIS Files

DEFAULT PERFO_035LTP FN:33 PRODUCER 04-Jan-2006 08:25



MWPT 2 1/8" Enerjet Gun
 Shooting Pass - 1st Gun

MAXIS Field Log

Output DLIS Files

DEFAULT PERFO_034LUP FN:32 PRODUCER 04-Jan-2006 08:23 3417.9 M 3334.8 M

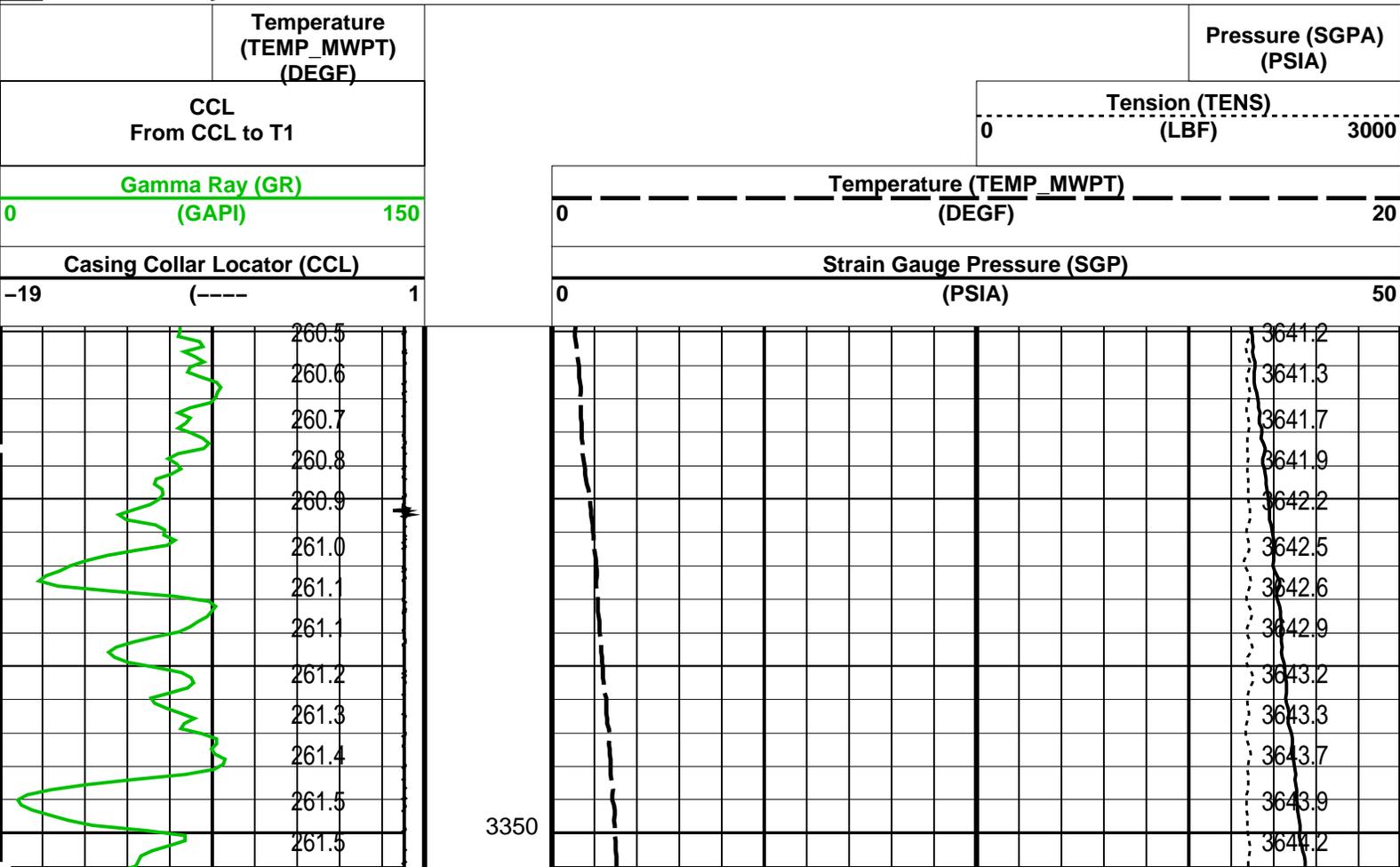
OP System Version: 13C0-300

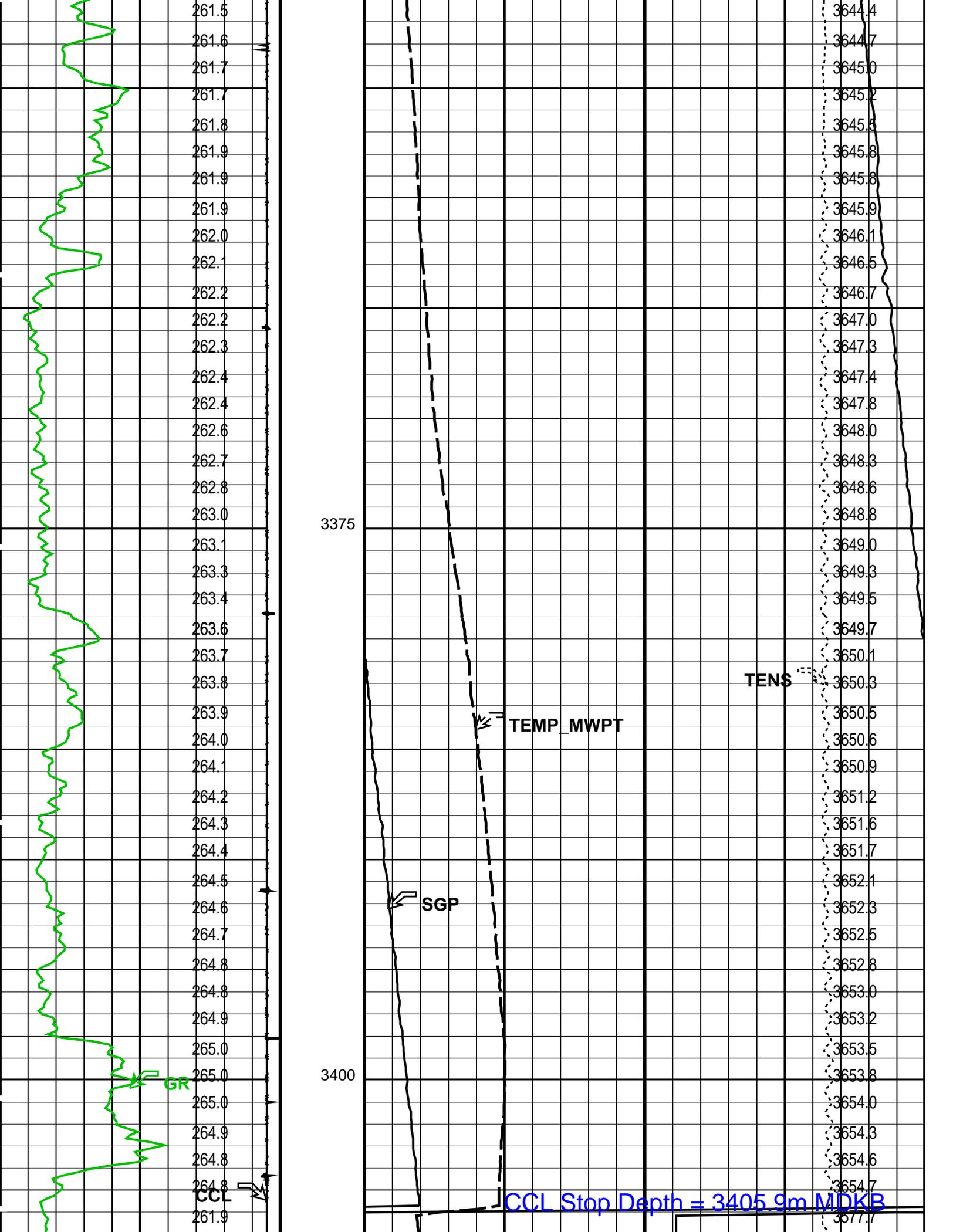
MCM

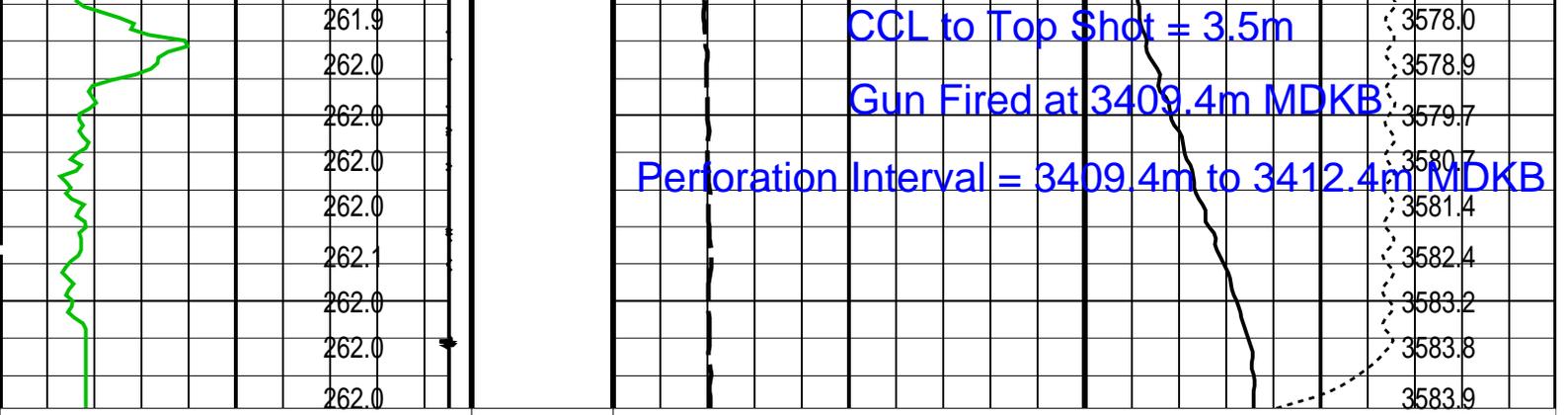
MWP_GUN SRC-2820-ASFS-WPP_t MWPT-CA SRC-2820-ASFS-WPP_t
 MWGT-AA SRC-2820-ASFS-WPP_t

PIP SUMMARY

Time Mark Every 60 S







Casing Collar Locator (CCL)		Strain Gauge Pressure (SGP)	
-19	(----) 1	0	50 (PSIA)
Gamma Ray (GR) (GAPI) 0 150		Temperature (TEMP_MWPT) (DEGF) 0 20	
CCL From CCL to T1		Tension (TENS) (LBF) 0 3000	
Temperature (TEMP_MWPT) (DEGF)		Pressure (SGPA) (PSIA)	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MWPT-CA	MEASUREMENT WHILE PERFORATING TOOL	
DEVI_FL_CORR	Deviation Angle for Flow Line Correction	0 DEG
FLD	Flow Line Density	1 G/C3
MWPT_NULL_SOURCE	MWPT NULL Temperature Source	TEMS
MWPT_NULL_TEMP	MWPT NULL Temperature	0.0 DEGC

Format: MWP Vertical Scale: 1:200 Graphics File Created: 04-Jan-2006 08:23

OP System Version: 13C0-300 MCM

MWP_GUN	SRC-2820-ASFS-WPP_t	MWPT-CA	SRC-2820-ASFS-WPP_t
MWGT-AA	SRC-2820-ASFS-WPP_t		

Output DLIS Files

DEFAULT	PERFO_034LUP	FN:32	PRODUCER	04-Jan-2006 08:23
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MWPT 2 1/8" Enerjet Gun
Correlation Pass - 1st Gun

MAXIS Field Log

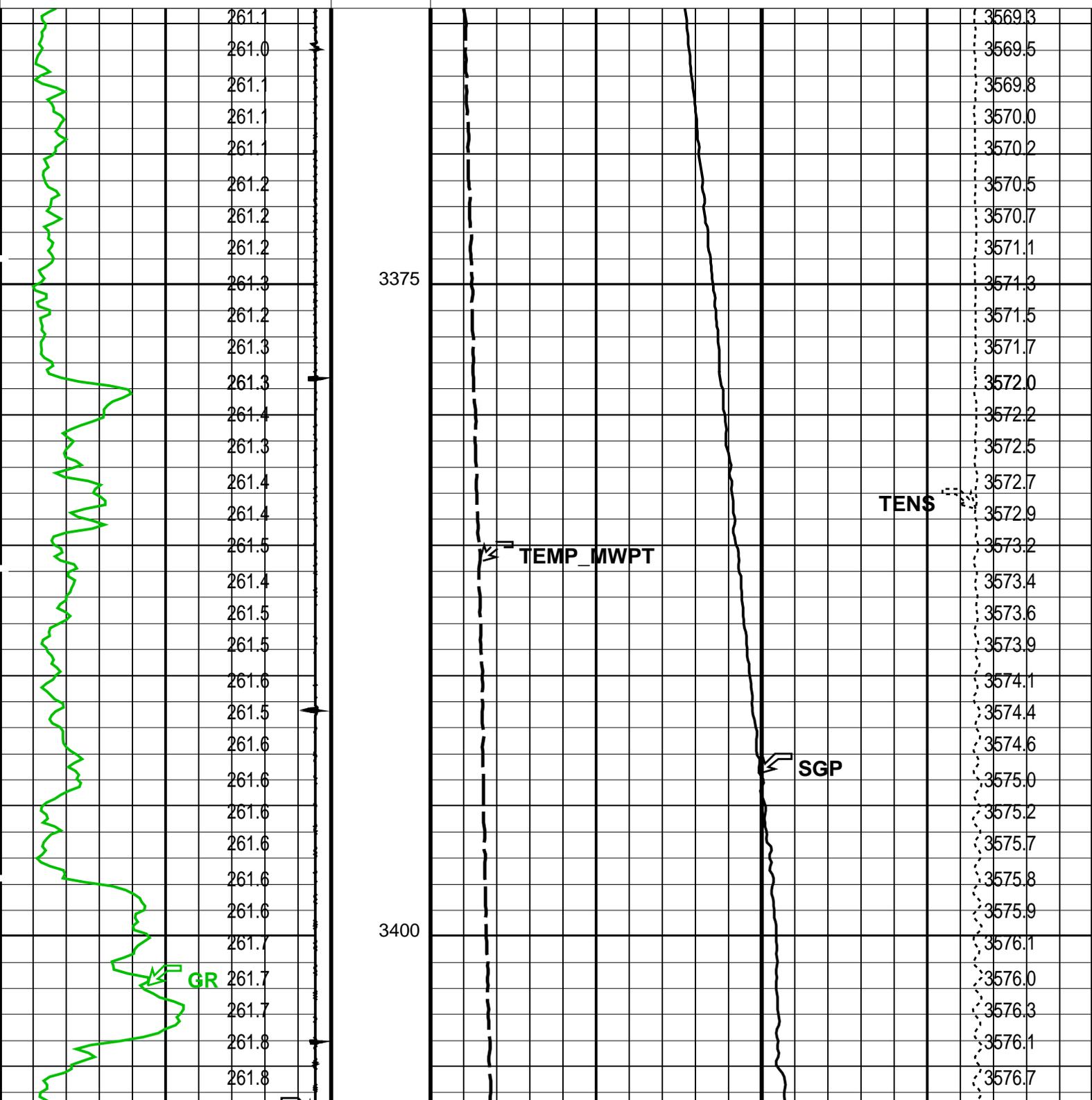
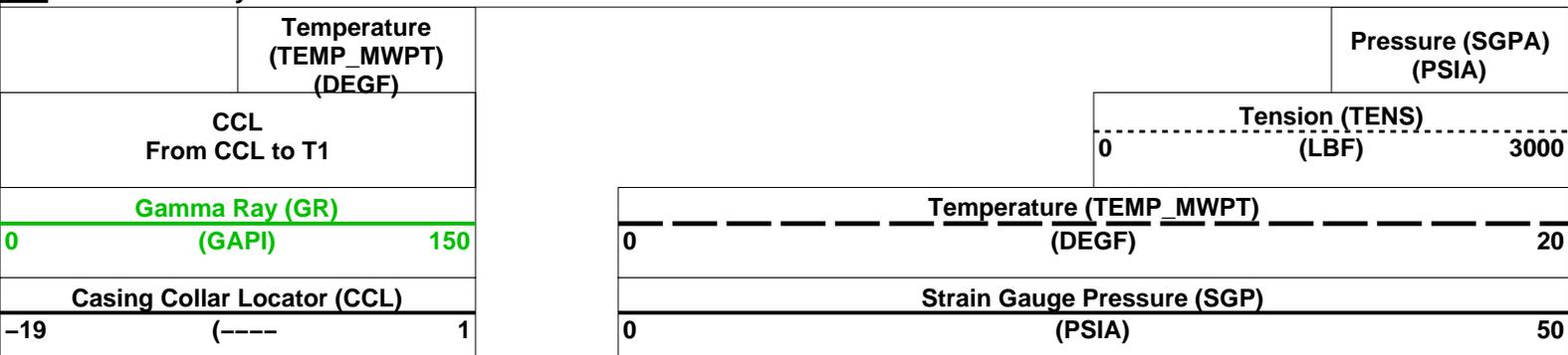
Output DLIS Files

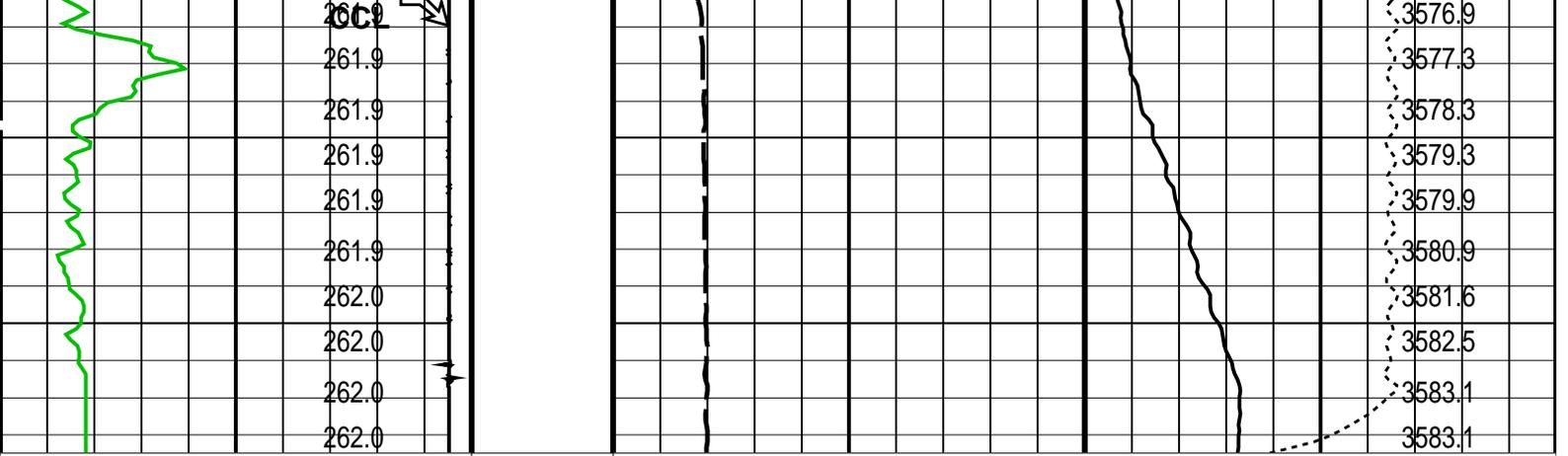
DEFAULT	PERFO_033LUP	FN:31	PRODUCER	04-Jan-2006 08:15	3418.5 M	3364.4 M
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OP System Version: 13C0-300 MCM

PIP SUMMARY

Time Mark Every 60 S





Casing Collar Locator (CCL)		Strain Gauge Pressure (SGP)	
-19	(----	0	(PSIA)
	1		50
Gamma Ray (GR)		Temperature (TEMP_MWPT)	
0	(GAPI)	0	(DEGF)
	150		20
CCL From CCL to T1		Tension (TENS)	
		0	(LBF)
			3000
Temperature (TEMP_MWPT) (DEGF)		Pressure (SGPA) (PSIA)	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MWPT-CA	MEASUREMENT WHILE PERFORATING TOOL	
DEVI_FL_CORR	Deviation Angle for Flow Line Correction	0 DEG
FLD	Flow Line Density	1 G/C3
MWPT_NULL_SOURCE	MWPT NULL Temperature Source	TEMS
MWPT_NULL_TEMP	MWPT NULL Temperature	0.0 DEGC

Format: MWP Vertical Scale: 1:200 Graphics File Created: 04-Jan-2006 08:15

OP System Version: 13C0-300
MCM

MWP_GUN	SRC-2820-ASFS-WPP_t	MWPT-CA	SRC-2820-ASFS-WPP_t
MWGT-AA	SRC-2820-ASFS-WPP_t		

Output DLIS Files

DEFAULT	PERFO_033LUP	FN:31	PRODUCER	04-Jan-2006 08:15
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Company: ExxonMobil

Schlumberger

Well: MLA A-6a

Field: Marlin

Rig: Crane / Prod 4

Country: Australia

2 1/8" Enerjet Gun
MWPT
Perforating Record