



Verification Listing

Listing Created: 13-JUL-2006 13:59:14  
Version: 14C0-302

**Input Source:** D:\OP\_Folder\Clients\Essco\_Halibut\HLA\_A1\PFCS\COMP\_COMP\_COMP\_123.DLIS  
**Format:** DLIS  
**Storage Set ID:** Default Storage Set

**Max Record Length:** 8192  
**Storage Unit Sequence:** 1

**File Header** File: **FCS\_WPGRT\_RST\_ILS\_089PUP** Sequence: **1**

**Defining Origin: 35**  
File ID: FCS\_WPGRT\_RST\_ILS\_089PUP File Type: PLAYBACK  
Producer Name: Schlumberger Product/Version: OP 14C0-302 File Set: 41 File Number: 115 9-JUL-2006 13:57:43  
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/  
Computations: WELLCAD, SPRI, BORDYN

**Error Summary** File: **FCS\_WPGRT\_RST\_ILS\_089PUP** Sequence: **1**

No errors detected in file.

**Well Site Data** File: **FCS\_WPGRT\_RST\_ILS\_089PUP** Sequence: **1**

**Origin: 35**  
**Well Data**  
Permanent Datum GROUND LEVEL PDAT  
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF  
**Job Data**  
Run Number 1 RUN  
Current Casing Size 7.00 (in) CSIZ  
Casing Weight 26.0 (lbm/ft) CWEI  
Bit Size 8.50 (in) BS  
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON  
**Mud Data**  
Drilling Fluid Density 1.04 (g/cm3) DFD  
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB  
**PVT Data**  
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR  
**Cement Data**  
Cement Job Type Primary CJT  
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

**Frame Summary** File: **FCS\_WPGRT\_RST\_ILS\_089PUP** Sequence: **1**

Origin: 35						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2880.06	2741.07 m	-60.0 (0.1 in) up	194	TDEP	60B
	9449.00	8993.00 ft				
BOREHOLE-DEPTH	2880.06	2741.24 m	-10.0 (0.1 in) up	7	TDEP,1	10B
	9449.00	8993.58 ft				

**File Header** File: **FCS\_WPGRT\_RST\_ILS\_094LTP** Sequence: **2**

**Defining Origin: 41**  
File ID: FCS\_WPGRT\_RST\_ILS\_094LTP File Type: STATION  
Producer Name: Schlumberger Product/Version: OP 14C0-302 File Set: 41 File Number: 120 9-JUL-2006 14:56:10  
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/  
Computations: WELLCAD, SPRI

**Error Summary** File: **FCS\_WPGRT\_RST\_ILS\_094LTP** Sequence: **2**

No errors detected in file.

**Well Site Data** File: **FCS\_WPGRT\_RST\_ILS\_094LTP** Sequence: **2****Origin: 41****Well Data**

Permanent Datum GROUND LEVEL PDAT

Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF

**Job Data**

Run Number	1	RUN
Current Casing Size	7.00 (in)	CSIZ
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS

Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON

**Mud Data**

Drilling Fluid Density 1.04 (g/cm3) DFD

Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB

**PVT Data**

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

**Cement Data**

Cement Job Type Primary CJT

Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

**Frame Summary** File: **FCS\_WPGRT\_RST\_ILS\_094LTP** Sequence: **2****Origin: 41**

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
TIME	354.53	908.53 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	354.53	908.69 s	120.0 (0.5 ms)	17	TIME;5	120T

**File Header** File: **FCS\_WPGRT\_RST\_ILS\_095LTP** Sequence: **3****Defining Origin: 41**

File ID: FCS_WPGRT_RST_ILS_095LTP	File Type: STATION			
Producer Name: Schlumberger	Product/Version: OP 14C0-302	File Set: 41	File Number: 121	9-JUL-2006 15:07:12
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/				
Computations: WELLCAD, SPRI				

**Error Summary** File: **FCS\_WPGRT\_RST\_ILS\_095LTP** Sequence: **3**

No errors detected in file.

**Well Site Data** File: **FCS\_WPGRT\_RST\_ILS\_095LTP** Sequence: **3****Origin: 41****Well Data**

Permanent Datum GROUND LEVEL PDAT

Job Data

Run Number	1	RUN
Current Casing Size	7.00 (in)	CSIZ
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS

Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON

Mud Data

Drilling Fluid Density	1.04 (g/cm3)	DFD
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Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB

PVT Data

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

Cement Data

Cement Job Type	Primary	CJT
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Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

Frame Summary      File: FCS\_WPGRT\_RST\_ILS\_095LTP      Sequence: 3

Origin: 41

<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	1015.14	1395.14 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	1015.14	1395.30 s	120.0 (0.5 ms)	17	TIME;5	120T

File Header      File: FCS\_WPGRT\_RST\_ILS\_096LTP      Sequence: 4

Defining Origin: 41

File ID: FCS_WPGRT_RST_ILS_096LTP	File Type: STATION			
Producer Name: Schlumberger	Product/Version: OP 14C0-302	File Set: 41	File Number: 122	9-JUL-2006 15:15:40
Tool String:	PFCs-A, WPGRT-A, RST-C, PILS-A, PSPT-/			
Computations:	WELLCAD, SPRI			

Error Summary      File: FCS\_WPGRT\_RST\_ILS\_096LTP      Sequence: 4

No errors detected in file.

Well Site Data      File: FCS\_WPGRT\_RST\_ILS\_096LTP      Sequence: 4

Origin: 41

Well Data

Permanent Datum	GROUND LEVEL	PDAT
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Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF

Job Data

Run Number	1	RUN
Current Casing Size	7.00 (in)	CSIZ
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS

Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON

Mud Data

Drilling Fluid Density	1.04 (g/cm3)	DFD
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Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB

PVT Data

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

Cement Data

Cement Job Type	Primary	CJT
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Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

Frame Summary      File: FCS\_WPGRT\_RST\_ILS\_096LTP      Sequence: 4

Origin: 41

<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	1521.95	2542.95 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	1521.95	2543.33 s	120.0 (0.5 ms)	17	TIME;5	120T

<b>File Header</b>	File: <b>FCS_WPGRT_RST_ILS_098LTP</b>	Sequence: <b>5</b>
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<b>Defining Origin: 41</b>
File ID: FCS_WPGRT_RST_ILS_098LTP File Type: STATION
Producer Name: Schlumberger Product/Version: OP 14C0-302
File Set: 41 File Number: 124 9-JUL-2006 15:47:15
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/-
Computations: WELLCAD, SPRI

<b>Error Summary</b>	File: <b>FCS_WPGRT_RST_ILS_098LTP</b>	Sequence: <b>5</b>
No errors detected in file.		

<b>Well Site Data</b>	File: <b>FCS_WPGRT_RST_ILS_098LTP</b>	Sequence: <b>5</b>
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Origin: 41

Well Data

Permanent Datum

GROUND LEVEL

PDAT

Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF

Job Data

Run Number

1

RUN

Current Casing Size

7.00 (in)

CSIZ

Casing Weight

26.0 (lbm/ft)

CWEI

Bit Size

8.50 (in)

BS

Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON

Mud Data

Drilling Fluid Density

1.04 (g/cm3)

DFD

Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB

PVT Data

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

Cement Data

Cement Job Type

Primary

CJT

Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

<b>Frame Summary</b>	File: <b>FCS_WPGRT_RST_ILS_098LTP</b>	Sequence: <b>5</b>
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Origin: 41

<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	438.25	997.25 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	438.25	997.75 s	120.0 (0.5 ms)	17	TIME;5	120T

<b>File Header</b>	File: <b>FCS_WPGRT_RST_ILS_098LTP</b>	Sequence: <b>5</b>
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File Header		File: FCS_WPGRT_RST_ILS_099LTP	Sequence: 6
Defining Origin: 41			
File ID: FCS_WPGRT_RST_ILS_099LTP File Type: STATION			
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41
		File Number: 125	9-JUL-2006 15:59:27
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/ Computations: WELLCAD, SPRI			

Error Summary		File: FCS_WPGRT_RST_ILS_099LTP	Sequence: 6
No errors detected in file.			

Well Site Data		File: FCS_WPGRT_RST_ILS_099LTP	Sequence: 6
Origin: 41			
Well Data			
Permanent Datum		GROUND LEVEL	PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF			
Job Data			
Run Number		1	RUN
Current Casing Size		7.00 (in)	CSIZ
Casing Weight		26.0 (lbm/ft)	CWEI
Bit Size		8.50 (in)	BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON			
Mud Data			
Drilling Fluid Density		1.04 (g/cm3)	DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB			
PVT Data			
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR			
Cement Data			
Cement Job Type		Primary	CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA			

Frame Summary		File: FCS_WPGRT_RST_ILS_099LTP		Sequence: 6		
Origin: 41						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	1180.53	1540.53 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	1180.53	1540.71 s	120.0 (0.5 ms)	17	TIME;5	120T

File Header		File: FCS_WPGRT_RST_ILS_100LTP	Sequence: 7
Defining Origin: 41			
File ID: FCS_WPGRT_RST_ILS_100LTP File Type: STATION			
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41
		File Number: 126	9-JUL-2006 16:08:09
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/ Computations: WELLCAD, SPRI			

Error Summary		File: FCS_WPGRT_RST_ILS_100LTP	Sequence: 7
No errors detected in file.			

Well Site Data		File: FCS_WPGRT_RST_ILS_100LTP	Sequence: 7
Origin: 41			
Well Data			
Permanent Datum		GROUND LEVEL	PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF			
Job Data			
Run Number		1	RUN
Current Casing Size		7.00 (in)	CSIZ

Current Casing Size	7.00 (in)	CSIZ
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON		
<b>Mud Data</b>		
Drilling Fluid Density	1.04 (g/cm3)	DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB		
<b>PVT Data</b>		
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR		
<b>Cement Data</b>		
Cement Job Type	Primary	CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA		

<div>Frame Summary</div> <div>File: FCS_WPGRT_RST_ILS_100LTP</div> <div>Sequence: 7</div>																											
<div>Origin: 41</div> <table><thead><tr><th><div>Index Type</div></th><th><div>Start</div></th><th><div>Stop</div></th><th><div>Spacing</div></th><th><div>Channels</div></th><th><div>Index Channel</div></th><th><div>Frame Name</div></th></tr></thead><tbody><tr><td>TIME</td><td>1694.91</td><td>2711.91 s</td><td>2000.0 (0.5 ms)</td><td>56</td><td>TIME;3</td><td>2000T</td></tr><tr><td>TIME</td><td>1694.91</td><td>2712.27 s</td><td>120.0 (0.5 ms)</td><td>17</td><td>TIME;5</td><td>120T</td></tr></tbody></table>							<div>Index Type</div>	<div>Start</div>	<div>Stop</div>	<div>Spacing</div>	<div>Channels</div>	<div>Index Channel</div>	<div>Frame Name</div>	TIME	1694.91	2711.91 s	2000.0 (0.5 ms)	56	TIME;3	2000T	TIME	1694.91	2712.27 s	120.0 (0.5 ms)	17	TIME;5	120T
<div>Index Type</div>	<div>Start</div>	<div>Stop</div>	<div>Spacing</div>	<div>Channels</div>	<div>Index Channel</div>	<div>Frame Name</div>																					
TIME	1694.91	2711.91 s	2000.0 (0.5 ms)	56	TIME;3	2000T																					
TIME	1694.91	2712.27 s	120.0 (0.5 ms)	17	TIME;5	120T																					

<b>File Header</b>	File: <b>FCS_WPGRT_RST_ILS_101LTP</b>	Sequence: <b>8</b>
<b>Defining Origin: 41</b>		
File ID: FCS_WPGRT_RST_ILS_101LTP File Type: STATION		
Producer Name: Schlumberger		Product/Version: OP 14C0-302
		File Set: 41
		File Number: 127
		9-JUL-2006 16:28:43
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/		
Computations: WELLCAD, SPRI		

<b>Error Summary</b>	File: <b>FCS_WPGRT_RST_ILS_101LTP</b>	Sequence: <b>8</b>
No errors detected in file.		

<b>Well Site Data</b>	File: <b>FCS_WPGRT_RST_ILS_101LTP</b>	Sequence: <b>8</b>
<b>Origin: 41</b>		
<b>Well Data</b>		
Permanent Datum	GROUND LEVEL	PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF		
<b>Job Data</b>		
Run Number	1	RUN
Current Casing Size	7.00 (in)	CSIZ
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON		
<b>Mud Data</b>		
Drilling Fluid Density	1.04 (g/cm3)	DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB		
<b>PVT Data</b>		
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR		
<b>Cement Data</b>		

Cement Data

Cement Job Type

Primary

CJT

Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

Frame Summary

File: FCS\_WPGRT\_RST\_ILS\_101LTP

Sequence: 8

Origin: 41

<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	2929.22	3514.22 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	2929.22	3514.52 s	120.0 (0.5 ms)	17	TIME;5	120T

<b>File Header</b>		File: <b>FCS_WPGRT_RST_ILS_102LTP</b>		Sequence: <b>9</b>	
<b>Defining Origin: 41</b>					
File ID: FCS_WPGRT_RST_ILS_102LTP    File Type: STATION					
Producer Name: Schlumberger		Product/Version: OP 14C0-302		File Set: 41	File Number: 128      9-JUL-2006 16:40:47
Tool String:		PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/			
Computations:		WELLCAD, SPRI			

<b>Error Summary</b>	File: <b>FCS_WPGRT_RST_ILS_102LTP</b>	Sequence: <b>9</b>
No errors detected in file.		

Well Site Data		File: FCS_WPGRT_RST_ILS_102LTP		Sequence: 9	
Origin: 41					
Well Data					
Permanent Datum		GROUND LEVEL			PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF					
Job Data					
Run Number		1			RUN
Current Casing Size		7.00 (in)			CSIZ
Casing Weight		26.0 (lbm/ft)			CWEI
Bit Size		8.50 (in)			BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON					
Mud Data					
Drilling Fluid Density		1.04 (g/cm3)			DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB					
PVT Data					
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR					
Cement Data					
Cement Job Type		Primary			CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA					

Frame Summary		File: FCS_WPGRT_RST_ILS_102LTP			Sequence: 9	
Origin: 41						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	3649.76	3965.76 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	3649.76	3966.08 s	120.0 (0.5 ms)	17	TIME;5	120T

<b>File Header</b>		File: <b>FCS_WPGRT_RST_ILS_103LTP</b>		Sequence: <b>10</b>	
<b>Defining Origin: 41</b>					
File ID: FCS_WPGRT_RST_ILS_103LTP File Type: STATION					

Error Summary	File: FCS_WPGRT_RST_ILS_103LTP	Sequence: 10
No errors detected in file.		

Well Site Data	File: FCS_WPGRT_RST_ILS_103LTP	Sequence: 10
Origin: 41		
Well Data		
Permanent Datum	GROUND LEVEL	PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF		
Job Data		
Run Number	1	RUN
Current Casing Size	7.00 (in)	CSIZ
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON		
Mud Data		
Drilling Fluid Density	1.04 (g/cm3)	DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB		
PVT Data		
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR		
Cement Data		
Cement Job Type	Primary	CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA		

Frame Summary		File: FCS_WPGRT_RST_ILS_103LTP		Sequence: 10		
Origin: 41						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	4119.97	5155.97 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	4119.97	5156.65 s	120.0 (0.5 ms)	17	TIME;5	120T

File Header	File: FCS_WPGRT_RST_ILS_105LTP	Sequence: 11
Defining Origin: 41		
File ID: FCS_WPGRT_RST_ILS_105LTP File Type: STATION		
Producer Name: Schlumberger		Product/Version: OP 14C0-302
		File Set: 41
		File Number: 131
		9-JUL-2006 19:46:45
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/ Computations: WELLCAD, SPRI		

Error Summary	File: FCS_WPGRT_RST_ILS_105LTP	Sequence: 11
No errors detected in file.		

Well Site Data	File: FCS_WPGRT_RST_ILS_105LTP	Sequence: 11
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Origin: 41

Well Data

Permanent DatumGROUND LEVEL

PDAT

Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF

Job Data

Run Number1

Current Casing Size7.00 (in)

Casing Weight26.0 (lbm/ft)

Bit Size8.50 (in)

RUNCSIZCWEIBS

Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON

Mud Data

Drilling Fluid Density1.04 (g/cm3)

DFD

Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB

PVT Data

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

Cement Data

Cement Job TypePrimary

CJT

Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

Frame Summary

File: FCS\_WPGRT\_RST\_ILS\_105LTP

Sequence: 11

Origin: 41

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
TIME	14814.65	15457.65 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	14814.65	15458.51 s	120.0 (0.5 ms)	17	TIME;5	120T

File Header

File: FCS\_WPGRT\_RST\_ILS\_106LTP

Sequence: 12

Defining Origin: 41

File ID: FCS\_WPGRT\_RST\_ILS\_106LTP

File Type: STATION

Producer Name: Schlumberger

Product/Version: OP 14C0-302

File Set: 41

File Number: 132

9-JUL-2006 20:00:05

Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/

Computations: WELLCAD, SPRI

Error Summary

File: FCS\_WPGRT\_RST\_ILS\_106LTP

Sequence: 12

No errors detected in file.

Well Site Data

File: FCS\_WPGRT\_RST\_ILS\_106LTP

Sequence: 12

Origin: 41

Well Data

Permanent DatumGROUND LEVEL

PDAT

Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF

Job Data

Run Number1

Current Casing Size7.00 (in)

Casing Weight26.0 (lbm/ft)

Bit Size8.50 (in)

RUNCSIZCWEIBS

Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON

Mud Data

Drilling Fluid Density1.04 (g/cm3)

DFD

Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB

PVT Data

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

Cement Data

Cement Job Type Primary CJT

Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

Frame Summary File: FCS\_WPGRT\_RST\_ILS\_106LTP Sequence: 12

Origin: 41						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	15609.41	15929.41 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	15609.41	15929.81 s	120.0 (0.5 ms)	17	TIME;5	120T

File Header File: FCS\_WPGRT\_RST\_ILS\_107LTP Sequence: 13

Defining Origin: 41

File ID: FCS\_WPGRT\_RST\_ILS\_107LTP File Type: STATION  
Producer Name: Schlumberger Product/Version: OP 14C0-302 File Set: 41 File Number: 133 9-JUL-2006 20:07:39  
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/  
Computations: WELLCAD, SPRI

Error Summary File: FCS\_WPGRT\_RST\_ILS\_107LTP Sequence: 13

No errors detected in file.

Well Site Data File: FCS\_WPGRT\_RST\_ILS\_107LTP Sequence: 13

Origin: 41	
Well Data	
Permanent Datum	GROUND LEVEL PDAT

Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF

Job Data

Run Number	1	RUN
Current Casing Size	7.00 (in)	CSIZ
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS

Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON

Mud Data

Drilling Fluid Density	1.04 (g/cm3)	DFD
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Absent Valued Parameters: DFT, DFV, DFL, DFPB, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB

PVT Data

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

Cement Data

Cement Job Type Primary CJT

Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

Frame Summary File: FCS\_WPGRT\_RST\_ILS\_107LTP Sequence: 13

Origin: 41						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	16093.40	17359.40 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	16093.40	17359.52 s	120.0 (0.5 ms)	17	TIME;5	120T

File Header File: FCS\_WPGRT\_RST\_ILS\_114PUP Sequence: 14

Defining Origin: 41

File ID: FCS\_WPGRT\_RST\_ILS\_114PUP File Type: PLAYBACK  
Producer Name: Schlumberger Product/Version: OP 14C0-302 File Set: 41 File Number: 140 9-JUL-2006 21:31:40  
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/  
Computations: WELLCAD, SPRI

<b>Error Summary</b>	File: <b>FCS_WPGRT_RST_ILS_114PUP</b>	Sequence: <b>14</b>
No errors detected in file.		

<b>Well Site Data</b>	File: <b>FCS_WPGRT_RST_ILS_114PUP</b>	Sequence: <b>14</b>
<b>Origin: 41</b>		
<b>Well Data</b>		
Permanent Datum	GROUND LEVEL	PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF		
<b>Job Data</b>		
Run Number	1	RUN
Current Casing Size	7.00 (in)	CSIZ
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON		
<b>Mud Data</b>		
Drilling Fluid Density	1.04 (g/cm3)	DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB		
<b>PVT Data</b>		
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR		
<b>Cement Data</b>		
Cement Job Type	Primary	CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA		

Frame Summary		File: FCS_WPGRT_RST_ILS_114PUP		Sequence: 14		
Origin: 41						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
BOREHOLE-DEPTH	2919.98	2716.68 m	-60.0 (0.1 in) up	194	TDEP	60B
	9580.00	8913.00 ft				
BOREHOLE-DEPTH	2919.98	2716.86 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	9580.00	8913.58 ft				

<b>File Header</b>	File: <b>FCS_WPGRT_RST_ILS_118PDP</b>	Sequence: <b>15</b>			
<b>Defining Origin: 41</b>					
File ID: FCS_WPGRT_RST_ILS_118PDP File Type: PLAYBACK					
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41	File Number: 144	9-JUL-2006 22:08:00
Tool String:		PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT- <del>/</del>			
Computations:		WELLCAD, SPRI			

<b>Error Summary</b>	File: <b>FCS_WPGRT_RST_ILS_118PDP</b>	Sequence: <b>15</b>
No errors detected in file.		

Well Site Data		File: FCS_WPGRT_RST_ILS_118PDP	Sequence: 15
Origin: 41			
Well Data			
Permanent Datum		GROUND LEVEL	PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF			
Job Data			
Run Number		1	RUN
Current Casing Size		7.00 (in)	CSIZ
Casing Weight		26.0 (lbm/ft)	CWEI
Bit Size		8.50 (in)	BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON			
Mud Data			
Drilling Fluid Density		1.04 (g/cm3)	DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB			
PVT Data			
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR			
Cement Data			
Cement Job Type		Primary	CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA			

Frame Summary		File: FCS_WPGRT_RST_ILS_118PDP		Sequence: 15		
Origin: 41						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
BOREHOLE-DEPTH	2730.86	2929.89 m	60.0 (0.1 in) down	194	TDEP	60B
	8959.50	9612.50 ft				
BOREHOLE-DEPTH	2730.86	2929.71 m	10.0 (0.1 in) down	4	TDEP;1	10B
	8959.50	9611.92 ft				

File Header		File: FCS_WPGRT_RST_ILS_072LTP	Sequence: 16
Defining Origin: 9			
File ID: FCS_WPGRT_RST_ILS_072LTP File Type: STATION			
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41
		File Number: 98	9-JUL-2006 6:22:37
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/-			
Computations: WELLCAD			

Error Summary		File: FCS_WPGRT_RST_ILS_072LTP	Sequence: 16
No errors detected in file.			

Well Site Data		File: FCS_WPGRT_RST_ILS_072LTP	Sequence: 16
Origin: 9			
Well Data			
Permanent Datum		GROUND LEVEL	PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF			
Job Data			
Run Number		1	RUN
Current Casing Size		7.00 (in)	CSIZ
Casing Weight		26.0 (lbm/ft)	CWEI
Bit Size		8.50 (in)	BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON			
Mud Data			
Drilling Fluid Density		1.04 (g/cm3)	DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB			
PVT Data			
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR			

<b>Cement Data</b>	
Cement Job Type	Primary
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA	

Frame Summary							File: FCS_WPGRT_RST_ILS_072LTP	Sequence: 16
Origin: 9								
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>		
TIME	8915.17	9461.17 s	2000.0 (0.5 ms)	56	TIME;3	2000T		
TIME	8915.17	9461.83 s	120.0 (0.5 ms)	17	TIME;5	120T		

<b>File Header</b>	File: <b>FCS_WPGRT_RST_ILS_073LTP</b>	Sequence: <b>17</b>
<b>Defining Origin: 9</b>		
File ID: FCS_WPGRT_RST_ILS_073LTP File Type: STATION		
Producer Name: Schlumberger		Product/Version: OP 14C0-302
		File Set: 41
		File Number: 99
		9-JUL-2006 6:33:55
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT- <i>/</i>		
Computations: WELLCAD		

<b>Error Summary</b>	File: <b>FCS_WPGRT_RST_ILS_073LTP</b>	Sequence: <b>17</b>
No errors detected in file.		

Well Site Data		File: FCS_WPGRT_RST_ILS_073LTP	Sequence: 17
Origin: 9			
Well Data			
Permanent Datum	GROUND LEVEL		PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF			
Job Data			
Run Number	1		RUN
Current Casing Size	7.00 (in)		CSIZ
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON			
Mud Data			
Drilling Fluid Density	1.04 (g/cm3)		DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB			
PVT Data			
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR			
Cement Data			
Cement Job Type	Primary		CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA			

<div>Frame Summary</div> <div>File: FCS_WPGRT_RST_ILS_073LTP</div> <div>Sequence: 17</div>																											
<div>Origin: 9</div> <table><thead><tr><th><div>Index Type</div></th><th><div>Start</div></th><th><div>Stop</div></th><th><div>Spacing</div></th><th><div>Channels</div></th><th><div>Index Channel</div></th><th><div>Frame Name</div></th></tr></thead><tbody><tr><td>TIME</td><td>9601.31</td><td>9911.31 s</td><td>2000.0 (0.5 ms)</td><td>56</td><td>TIME;3</td><td>2000T</td></tr><tr><td>TIME</td><td>9601.31</td><td>9911.51 s</td><td>120.0 (0.5 ms)</td><td>17</td><td>TIME;5</td><td>120T</td></tr></tbody></table>							<div>Index Type</div>	<div>Start</div>	<div>Stop</div>	<div>Spacing</div>	<div>Channels</div>	<div>Index Channel</div>	<div>Frame Name</div>	TIME	9601.31	9911.31 s	2000.0 (0.5 ms)	56	TIME;3	2000T	TIME	9601.31	9911.51 s	120.0 (0.5 ms)	17	TIME;5	120T
<div>Index Type</div>	<div>Start</div>	<div>Stop</div>	<div>Spacing</div>	<div>Channels</div>	<div>Index Channel</div>	<div>Frame Name</div>																					
TIME	9601.31	9911.31 s	2000.0 (0.5 ms)	56	TIME;3	2000T																					
TIME	9601.31	9911.51 s	120.0 (0.5 ms)	17	TIME;5	120T																					

<b>File Header</b>	File: <b>FCS_WPGRT_RST_ILS_075LTP</b>	Sequence: <b>18</b>
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<b>Defining Origin: 9</b>				
File ID: FCS_WPGRT_RST_ILS_075LTP File Type: STATION				
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41	File Number: 101 9-JUL-2006 7:07:11
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/ Computations: WELLCAD				

<b>Error Summary</b>	File: <b>FCS_WPGRT_RST_ILS_075LTP</b>	Sequence: <b>18</b>
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No errors detected in file.
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<b>Well Site Data</b>	File: <b>FCS_WPGRT_RST_ILS_075LTP</b>	Sequence: <b>18</b>
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<b>Origin: 9</b>				
<b>Well Data</b>				
Permanent Datum		GROUND LEVEL		PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF				
<b>Job Data</b>				
Run Number		1		RUN
Current Casing Size		7.00 (in)		CSIZ
Casing Weight		26.0 (lbm/ft)		CWEI
Bit Size		8.50 (in)		BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON				
<b>Mud Data</b>				
Drilling Fluid Density		1.04 (g/cm3)		DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB				
<b>PVT Data</b>				
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR				
<b>Cement Data</b>				
Cement Job Type		Primary		CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA				

<b>Frame Summary</b>	File: <b>FCS_WPGRT_RST_ILS_075LTP</b>	Sequence: <b>18</b>
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<b>Origin: 9</b>						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	11585.86	12145.86 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	11585.86	12145.96 s	120.0 (0.5 ms)	17	TIME;5	120T

<b>File Header</b>	File: <b>FCS_WPGRT_RST_ILS_074LTP</b>	Sequence: <b>19</b>
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<b>Defining Origin: 9</b>				
File ID: FCS_WPGRT_RST_ILS_074LTP File Type: STATION				
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41	File Number: 100 9-JUL-2006 6:41:46
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/ Computations: WELLCAD				

<b>Error Summary</b>	File: <b>FCS_WPGRT_RST_ILS_074LTP</b>	Sequence: <b>19</b>
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No errors detected in file.
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<b>Well Site Data</b>	File: <b>FCS_WPGRT_RST_ILS_074LTP</b>	Sequence: <b>19</b>
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<b>Origin: 9</b>				
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Well Data			
Permanent Datum	GROUND LEVEL	PDAT	
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF			
Job Data			
Run Number	1	RUN	
Current Casing Size	7.00 (in)	CSIZ	
Casing Weight	26.0 (lbm/ft)	CWEI	
Bit Size	8.50 (in)	BS	
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON			
Mud Data			
Drilling Fluid Density	1.04 (g/cm3)	DFD	
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB			
PVT Data			
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR			
Cement Data			
Cement Job Type	Primary	CJT	
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA			

Frame Summary		File: FCS_WPGRT_RST_ILS_074LTP		Sequence: 19		
Origin: 9						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	10070.46	11180.46 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	10070.46	11181.36 s	120.0 (0.5 ms)	17	TIME;5	120T

File Header		File: FCS_WPGRT_RST_ILS_076LTP		Sequence: 20		
Defining Origin: 9						
File ID: FCS_WPGRT_RST_ILS_076LTP		File Type: STATION				
Producer Name: Schlumberger		Product/Version: OP 14C0-302		File Set: 41	File Number: 102	9-JUL-2006 7:18:43
Tool String:		PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/-				
Computations:		WELLCAD				

Error Summary		File: FCS_WPGRT_RST_ILS_076LTP		Sequence: 20	
No errors detected in file.					

Well Site Data		File: FCS_WPGRT_RST_ILS_076LTP	Sequence: 20
Origin: 9			
Well Data			
Permanent Datum	GROUND LEVEL		PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF			
Job Data			
Run Number	1		RUN
Current Casing Size	7.00 (in)		CSIZ
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON			
Mud Data			

Drilling Fluid Density		1.04 (g/cm3)	DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB			
PVT Data			
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR			
Cement Data		Primary	CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA			

Frame Summary		File: FCS_WPGRT_RST_ILS_076LTP	Sequence: 20
Origin: 9			
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>
TIME	12279.39	12600.39 s	2000.0 (0.5 ms)
TIME	12279.39	12600.99 s	120.0 (0.5 ms)
			<u>Channels</u>
			56
			<u>Index Channel</u>
			TIME;3
			TIME;5
			<u>Frame Name</u>
			2000T
			120T

File Header		File: FCS_WPGRT_RST_ILS_077LTP	Sequence: 21
Defining Origin: 9			
File ID: FCS_WPGRT_RST_ILS_077LTP File Type: STATION			
Producer Name: Schlumberger		Product/Version: OP 14C0-302	
		File Set: 41	File Number: 103
		9-JUL-2006 7:26:47	
Tool String:		PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/-	
Computations:		WELLCAD	

Error Summary		File: FCS_WPGRT_RST_ILS_077LTP	Sequence: 21
No errors detected in file.			

Well Site Data		File: FCS_WPGRT_RST_ILS_077LTP	Sequence: 21
Origin: 9			
Well Data			
Permanent Datum		GROUND LEVEL	PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF			
Job Data			
Run Number		1	RUN
Current Casing Size		7.00 (in)	CSIZ
Casing Weight		26.0 (lbm/ft)	CWEI
Bit Size		8.50 (in)	BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON			
Mud Data			
Drilling Fluid Density		1.04 (g/cm3)	DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB			
PVT Data			
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR			
Cement Data		Primary	CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA			

Frame Summary		File: FCS_WPGRT_RST_ILS_077LTP	Sequence: 21
Origin: 9			
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>
TIME	12766.22	13886.22 s	2000.0 (0.5 ms)
TIME	12766.22	13886.92 s	120.0 (0.5 ms)
			<u>Channels</u>
			56
			<u>Index Channel</u>
			TIME;3
			TIME;5
			<u>Frame Name</u>
			2000T
			120T



**File Header** File: **FCS\_WPGRT\_RST\_ILS\_078LTP** Sequence: **22**

<b>Defining Origin: 9</b>				
File ID: FCS_WPGRT_RST_ILS_078LTP File Type: STATION				
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41	File Number: 104
9-JUL-2006 7:51:49				
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT- <i>/</i>				
Computations: WELLCAD				

**Error Summary**      File: **FCS\_WPGRT\_RST\_ILS\_078LTP**      Sequence: **22**

No errors detected in file.
-----------------------------

**Well Site Data**      File: **FCS\_WPGRT\_RST\_ILS\_078LTP**      Sequence: **22**

Origin: 9

Well Data	
Permanent Datum	GROUND LEVEL PDAT

Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF

Job Data	
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Run Number	1	RUN
Current Casing Size	7.00 (in)	CSIZ
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS

Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON

## Mud Data

Drilling Fluid Density	1.04 (g/cm3)	DFD
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Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB

PVT Data	
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Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

### Cement Data

Cement Job Type	Primary	CJT
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Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

**Frame Summary**    File: **FCS WPGRT RST ILS 078LTP**    Sequence: **22**

<p> <b>1. Name:</b> _____  <b>2. Address:</b> _____  <b>3. City:</b> _____  <b>4. State:</b> _____  <b>5. Zip:</b> _____  <b>6. Phone:</b> _____  <b>7. Email:</b> _____  <b>8. Date:</b> _____  <b>9. Signature:</b> _____  <b>10. Print Name:</b> _____  <b>11. Title:</b> _____  <b>12. Company:</b> _____  <b>13. Address:</b> _____  <b>14. City:</b> _____  <b>15. State:</b> _____  <b>16. Zip:</b> _____  <b>17. Phone:</b> _____  <b>18. Email:</b> _____  <b>19. Date:</b> _____  <b>20. Signature:</b> _____  <b>21. Print Name:</b> _____  <b>22. Title:</b> _____  <b>23. Company:</b> _____  <b>24. Address:</b> _____  <b>25. City:</b> _____  <b>26. State:</b> _____  <b>27. Zip:</b> _____  <b>28. Phone:</b> _____  <b>29. Email:</b> _____  <b>30. Date:</b> _____  <b>31. Signature:</b> _____  <b>32. Print Name:</b> _____  <b>33. Title:</b> _____  <b>34. Company:</b> _____  <b>35. Address:</b> _____  <b>36. City:</b> _____  <b>37. State:</b> _____  <b>38. Zip:</b> _____  <b>39. Phone:</b> _____  <b>40. Email:</b> _____  <b>41. Date:</b> _____  <b>42. Signature:</b> _____  <b>43. Print Name:</b> _____  <b>44. Title:</b> _____  <b>45. Company:</b> _____  <b>46. Address:</b> _____  <b>47. City:</b> _____  <b>48. State:</b> _____  <b>49. Zip:</b> _____  <b>50. Phone:</b> _____  <b>51. Email:</b> _____  <b>52. Date:</b> _____  <b>53. Signature:</b> _____  <b>54. Print Name:</b> _____  <b>55. Title:</b> _____  <b>56. Company:</b> _____  <b>57. Address:</b> _____  <b>58. City:</b> _____  <b>59. State:</b> _____  <b>60. Zip:</b> _____  <b>61. Phone:</b> _____  <b>62. Email:</b> _____  <b>63. Date:</b> _____  <b>64. Signature:</b> _____  <b>65. Print Name:</b> _____  <b>66. Title:</b> _____  <b>67. Company:</b> _____  <b>68. Address:</b> _____  <b>69. City:</b> _____  <b>70. State:</b> _____  <b>71. Zip:</b> _____  <b>72. Phone:</b> _____  <b>73. Email:</b> _____  <b>74. Date:</b> _____  <b>75. Signature:</b> _____  <b>76. Print Name:</b> _____  <b>77. Title:</b> _____  <b>78. Company:</b> _____  <b>79. Address:</b> _____  <b>80. City:</b> _____  <b>81. State:</b> _____  <b>82. Zip:</b> _____  <b>83. Phone:</b> _____  <b>84. Email:</b> _____  <b>85. Date:</b> _____  <b>86. Signature:</b> _____  <b>87. Print Name:</b> _____  <b>88. Title:</b> _____  <b>89. Company:</b> _____  <b>90. Address:</b> _____  <b>91. City:</b> _____  <b>92. State:</b> _____  <b>93. Zip:</b> _____  <b>94. Phone:</b> _____  <b>95. Email:</b> _____  <b>96. Date:</b> _____  <b>97. Signature:</b> _____  <b>98. Print Name:</b> _____  <b>99. Title:</b> _____  <b>100. Company:</b> _____  <b>101. Address:</b> _____  <b>102. City:</b> _____  <b>103. State:</b> _____  <b>104. Zip:</b> _____  <b>105. Phone:</b> _____  <b>106. Email:</b> _____  <b>107. Date:</b> _____  <b>108. Signature:</b> _____  <b>109. Print Name:</b> _____  <b>110. Title:</b> _____  <b>111. Company:</b> _____  <b>112. Address:</b> _____  <b>113. City:</b> _____  <b>114. State:</b> _____  <b>115. Zip:</b> _____  <b>116. Phone:</b> _____  <b>117. Email:</b> _____  <b>118. Date:</b> _____  <b>119. Signature:</b> _____  <b>120. Print Name:</b> _____  <b>121. Title:</b> _____  <b>122. Company:</b> _____  <b>123. Address:</b> _____  <b>124. City:</b> _____  <b>125. State:</b> _____  <b>126. Zip:</b> _____  <b>127. Phone:</b> _____  <b>128. Email:</b> _____  <b>129. Date:</b> _____  <b>130. Signature:</b> _____  <b>131. Print Name:</b> _____  <b>132. Title:</b> _____  <b>133. Company:</b> _____  <b>134. Address:</b> _____  <b>135. City:</b> _____  <b>136. State:</b> _____  <b>137. Zip:</b> _____  <b>138. Phone:</b> _____  <b>139. Email:</b> _____  <b>140. Date:</b> _____  <b>141. Signature:</b> _____  <b>142. Print Name:</b> _____  <b>143. Title:</b> _____  <b>144. Company:</b> _____  <b>145. Address:</b> _____  <b>146. City:</b> _____  <b>147. State:</b> _____  <b>148. Zip:</b> _____  <b>149. Phone:</b> _____  <b>150. Email:</b> _____  <b>151. Date:</b> _____  <b>152. Signature:</b> _____  <b>153. Print Name:</b> _____  <b>154. Title:</b> _____  <b>155. Company:</b> _____  <b>156. Address:</b> _____  <b>157. City:</b> _____  <b>158. State:</b> _____  <b>159. Zip:</b> _____  <b>160. Phone:</b> _____  <b>161. Email:</b> _____  <b>162. Date:</b> _____  <b>163. Signature:</b> _____  <b>164. Print Name:</b> _____  <b>165. Title:</b> _____  <b>166. Company:</b> _____  <b>167. Address:</b> _____  <b>168. City:</b> _____  <b>169. State:</b> _____  <b>170. Zip:</b> _____  <b>171. Phone:</b> _____  <b>172. Email:</b> _____  <b>173. Date:</b> _____  <b>174. Signature:</b> _____  <b>175. Print Name:</b> _____  <b>176. Title:</b> _____  <b>177. Company:</b> _____  <b>178. Address:</b> _____  <b>179. City:</b> _____  <b>180. State:</b> _____  <b>181. Zip:</b> _____  <b>182. Phone:</b> _____  <b>183. Email:</b> _____  <b>184. Date:</b> _____  <b>185. Signature:</b> _____  <b>186. Print Name:</b> _____  <b>187. Title:</b> _____  <b>188. Company:</b> _____  <b>189. Address:</b> _____  <b>190. City:</b> _____  <b>191. State:</b> _____  <b>192. Zip:</b> _____  <b>193. Phone:</b> _____  <b>194. Email:</b> _____  <b>195. Date:</b> _____  <b>196. Signature:</b> _____  <b>197. Print Name:</b> _____  <b>198. Title:</b> _____  <b>199. Company:</b> _____  <b>200. Address:</b> _____  <b>201. City:</b> _____  <b>202. State:</b> _____  <b>203. Zip:</b> _____  <b>204. Phone:</b> _____  <b>205. Email:</b> _____  <b>206. Date:</b> _____  <b>207. Signature:</b> _____  <b>208. Print Name:</b> _____  <b>209. Title:</b> _____  <b>210. Company:</b> _____  <b>211. Address:</b> _____  <b>212. City:</b> _____  <b>213. State:</b> _____  <b>214. Zip:</b> _____  <b>215. Phone:</b> _____  <b>216. Email:</b> _____  <b>217. Date:</b> _____  <b>218. Signature:</b> _____  <b>219. Print Name:</b> _____  <b>220. Title:</b> _____  <b>221. Company:</b> _____  <b>222. Address:</b> _____  <b>223. City:</b> _____  <b>224. State:</b> _____  <b>225. Zip:</b> _____  <b>226. Phone:</b> _____  <b>227. Email:</b> _____  <b>228. Date:</b> _____  <b>229. Signature:</b> _____  <b>230. Print Name:</b> _____  <b>231. Title:</b> _____  <b>232. Company:</b> _____  <b>233. Address:</b> _____  <b>234. City:</b> _____  <b>235. State:</b> _____  <b>236. Zip:</b> _____  <b>237. Phone:</b> _____  <b>238. Email:</b> _____  <b>239. Date:</b> _____  <b>240. Signature:</b> _____  <b>241. Print Name:</b> _____  <b>242. Title:</b> _____  <b>243. Company:</b> _____  <b>244. Address:</b> _____  <b>245. City:</b> _____  <b>246. State:</b> _____  <b>247. Zip:</b> _____  <b>248. Phone:</b> _____  <b>249. Email:</b> _____  <b>250. Date:</b> _____  <b>251. Signature:</b> _____  <b>252. Print Name:</b> _____  <b>253. Title:</b> _____  <b>254. Company:</b> _____  <b>255. Address:</b> _____  <b>256. City:</b> _____  <b>257. State:</b> _____  <b>258. Zip:</b> _____  <b>259. Phone:</b> _____  <b>260. Email:</b> _____  <b>261. Date:</b> _____  <b>262. Signature:</b> _____  <b>263. Print Name:</b> _____  <b>264. Title:</b> _____  <b>265. Company:</b> _____  <b>266. Address:</b> _____  <b>267. City:</b> _____  <b>268. State:</b> _____  <b>269. Zip:</b> _____  <b>270. Phone:</b> _____  <b>271. Email:</b> _____  <b>272. Date:</b> _____  <b>273. Signature:</b> _____  <b>274. Print Name:</b> _____  <b>275. Title:</b> _____  <b>276. Company:</b> _____  <b>277. Address:</b> _____  <b>278. City:</b></p>
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Origin: 9						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	14265.02	14835.02 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	14265.02	14835.44 s	120.0 (0.5 ms)	17	TIME;5	120T

File Header File: ECS WPGRT RST ILS 079LTP Sequence: 23

File Header	File: CS_WI_SRT_RST_ILS_079211	Sequence: 29
Defining Origin: 0		

<b>Defining Origin: 9</b> File ID: FCS_WPGRT_RST_ILS_079LTP File Type: STATION Producer Name: Schlumberger Product/Version: OP 14C0-302 File Set: 41 File Number: 105 9-JUL-2006 8:03:33 Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT- Computations: WELLCAD				
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[illegible]

**Error Summary**      File: FCS\_WPGRT\_RST\_ILS\_079LTP      Sequence: 23

Well Site Data		File: FCS_WPGRT_RST_ILS_079LTP	Sequence: 23
Origin: 9			
Well Data			
Permanent Datum		GROUND LEVEL	PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF			
Job Data			
Run Number		1	RUN
Current Casing Size		7.00 (in)	CSIZ
Casing Weight		26.0 (lbm/ft)	CWEI
Bit Size		8.50 (in)	BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON			
Mud Data			
Drilling Fluid Density		1.04 (g/cm3)	DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPB, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB			
PVT Data			
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR			
Cement Data			
Cement Job Type		Primary	CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA			

Frame Summary		File: FCS_WPGRT_RST_ILS_079LTP		Sequence: 23		
Origin: 9						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	14969.36	15299.36 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	14969.36	15299.90 s	120.0 (0.5 ms)	17	TIME;5	120T

File Header		File: FCS_WPGRT_RST_ILS_080LTP	Sequence: 24
Defining Origin: 9			
File ID: FCS_WPGRT_RST_ILS_080LTP File Type: STATION			
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41
		File Number: 106	9-JUL-2006 8:10:49
Tool String: PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/-			
Computations: WELLCAD			

Error Summary		File: FCS_WPGRT_RST_ILS_080LTP	Sequence: 24
No errors detected in file.			

Well Site Data		File: FCS_WPGRT_RST_ILS_080LTP	Sequence: 24
Origin: 9			
Well Data			
Permanent Datum		GROUND LEVEL	PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF			
Job Data			
Run Number		1	RUN
Current Casing Size		7.00 (in)	CSIZ
Casing Weight		26.0 (lbm/ft)	CWEI
Bit Size		8.50 (in)	BS

Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, LUN, LUL, ENGI, WITN, SON

Mud Data

Drilling Fluid Density1.04 (g/cm3)DFD

Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB

PVT Data

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

Cement Data

Cement Job TypePrimaryCJT

Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

Frame SummaryFile: FCS\_WPGRT\_RST\_ILS\_080LTPSequence: 24

Origin: 9

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
TIME	15404.84	16535.84 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	15404.84	16536.68 s	120.0 (0.5 ms)	17	TIME;5	120T

File HeaderFile: SCMT\_PSP\_033PUCSequence: 25

Defining Origin: 5

File ID: SCMT_PSP_033PUC	File Type: PLAYBACK				
Producer Name: Schlumberger	Product/Version: OP 14C0-302	File Set: 41	File Number: 43	8-JUL-2006 22:14:26	
Company Name:	Esso Australia pty ltd.				
Well Name:	HLA A-1				
Field Name:	Bass strait				
Tool String:	SCMT-CA, PSPT-A/B				
Computations:	WELLCAD, SPRI, BORDYN				

Error SummaryFile: SCMT\_PSP\_033PUCSequence: 25

No errors detected in file.

Well Site DataFile: SCMT\_PSP\_033PUCSequence: 25

Origin: 5

Well Data

Company Name	Esso Australia pty ltd.	CN
Well Name	HLA A-1	WN
Field Name	Bass strait	FN
County:	Halibut / CWU	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland basin	FL
Longitude	148° 19' 07.62" E	LONG
Latitude	38° 24' 20.36" S	LATI
Elevation of Kelly Bushing	29.4 (m)	EKB
Elevation of Derrick Floor	29.4 (m)	EDF
Permanent Datum	Ground level	PDAT, EPD
Log Measured From	Drill floor	LMF, APD
Drilling Measured From	Drill floor	DMF

Absent Valued Parameters: CN1, CONT, FL1, FL2, SECT, TOWN, RANG, APIN, SON, MHD, EGL

Job Data

Run Number	1	RUN
Total Depth - Driller	2952.0 (m)	TDD
Bottom Log Interval	2919.9 (m)	BLI
Top Log Interval	2750.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.0 (m)	CDF
Casing Depth To	2944.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	0.0 (m)	BSDF
Bit Size Depth To	2952.0 (m)	BSDT
Logging Unit Number	3827	LUN, LUL
Logging Unit Location	AUSL	

Engineer's Name		Graham Fraser & Owen Darby		ENGI
Witness's Name		Donald Broomfield & James Dean		WITN
Absent Valued Parameters: DATE, TDL, DLAB, TLAB, SON				
Mud Data				
Drilling Fluid Type		Brine		DFT
Drilling Fluid Density		0.950 (g/cm3)		DFO
Absent Valued Parameters: DFV, DFL, DFPD, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB				
PVT Data				
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR				
Cement Data				
Cement Job Type		Primary		CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA				
Remarks				
Objective:				R1
RIH with PSP-SCMT CA and log over the interval				R2
2919.0m MDKB (HUD) to 2750.0m MDKB (10m below EOT)				R3
to determine possibility of cement channeling behind th 7.0"				R4
production casing. POOH				R5
Crew:				R14
Specialists= Graham Fraser (nights), Owen Darby (days)				R15
Operators= Gary Martin & Sean McGee (days)				R16
Breandan Glover & Simon Kiss (nights)				R17
Other Services				
RST/PSP/PFCS/PILS				OS1
Water flow log				OS2
2" HSD perforation				OS3
MPBT plug				OS4

Frame Summary

File: SCMT\_PSP\_033PUC

Sequence: 25

Origin: 5						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2834.79	2762.86 m	-60.0 (0.1 in) up	25	TDEP	60B
	9300.50	9064.50 ft				
BOREHOLE-DEPTH	2834.79	2762.91 m	-20.0 (0.1 in) up	50	TDEP;1	20B
	9300.50	9064.67 ft				
BOREHOLE-DEPTH	2834.79	2763.04 m	-10.0 (0.1 in) up	7	TDEP;2	10B
	9300.50	9065.08 ft				

File Header

File: SCMT\_PSP\_052PUC

Sequence: 26

Defining Origin: 67			
File ID: SCMT_PSP_052PUC    File Type: PLAYBACK			
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41    File Number: 75    9-JUL-2006 0:42:24
Company Name:	Esso Australia pty ltd.		
Well Name:	HLA A-1		
Field Name:	Bass strait		
Tool String:	SCMT-CA, PSPT-A/B		
Computations:	WELLCAD, SPRI, BORDYN		

Error Summary

File: SCMT\_PSP\_052PUC

Sequence: 26

No errors detected in file.

Well Site Data

File: SCMT\_PSP\_052PUC

Sequence: 26

Origin: 67

**Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	HLA A-1	WN
Field Name	Bass strait	FN
County:	Halibut / CWU	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland basin	FL
Longitude	148° 19' 07.62" E	LONG
Latitude	38° 24' 20.36" S	LATI
Elevation of Kelly Bushing	29.4 (m)	EKB
Elevation of Derrick Floor	29.4 (m)	EDF
Permanent Datum	Ground level	PDAT, EPD
Log Measured From	Drill floor	LMF, APD
Drilling Measured From	Drill floor	DMF

Absent Valued Parameters: CN1, CONT, FL1, FL2, SECT, TOWN, RANG, APIN, SON, MHD, EGL

**Job Data**

Run Number	1	RUN
Total Depth – Driller	2952.0 (m)	TDD
Bottom Log Interval	2919.9 (m)	BLI
Top Log Interval	2750.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.0 (m)	CDF
Casing Depth To	2944.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	0.0 (m)	BSDF
Bit Size Depth To	2952.0 (m)	BSDT
Logging Unit Number	3827	LUN, LUL
Logging Unit Location	AUSL	
Engineer's Name	Graham Fraser & Owen Darby	ENGI
Witness's Name	Donald Broomfield & James Dean	WITN

Absent Valued Parameters: DATE, TDL, DLAB, TLAB, SON

**Mud Data**

Drilling Fluid Type	Brine	DFT
Drilling Fluid Density	1.04 (g/cm3)	DFD

Absent Valued Parameters: DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB

**PVT Data**

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

**Cement Data**

Cement Job Type	Primary	CJT
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Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

**Remarks**

Objective:	R1
RIH with PSP-SCMT CA and log over the interval	R2
2919.0m MDKB (HUD) to 2750.0m MDKB (10m below EOT)	R3
to determine possibility of cement channeling behind th 7.0"	R4
production casing. POOH	R5
Crew:	R14
Specialists= Graham Faser (nights), Owen Darby (days)	R15
Operators= Gary Martin & Sean McGee (days)	R16
Breandan Glover & Simon Kiss (nights)	R17

**Other Services**

RST/PSP/PFCS/PILS	OS1
Water flow log	OS2
2" HSD perforation	OS3
MPBT plug	OS4

<b>Frame Summary</b>	File: <b>SCMT_PSP_052PUC</b>	Sequence: <b>26</b>
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<b>Origin: 67</b>						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
BOREHOLE-DEPTH	2926.23 9600.50	2731.16 m 8960.50 ft	-60.0 (0.1 in) up	25	TDEP	60B
BOREHOLE-DEPTH	2926.23 9600.50	2731.21 m 8960.67 ft	-20.0 (0.1 in) up	50	TDEP,1	20B
BOREHOLE-DEPTH	2926.23 9600.50	2731.34 m 8961.08 ft	-10.0 (0.1 in) up	7	TDEP,2	10B

<b>File Header</b>	File: <b>SCMT_PSP_052PUC</b>	Sequence: <b>27</b>
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<b>Defining Origin: 67</b>						
File ID: SCMT_PSP_052PUC    File Type: PLAYBACK						
Producer Name: Schlumberger		Product/Version: OP 14C0-302		File Set: 41	File Number: 75	9-JUL-2006 0:42:24
Company Name:	Esso Australia pty ltd.					
Well Name:	HLA A-1					
Field Name:	Bass strait					
Tool String:	SCMT-CA, PSPT-A/B					
Computations:	WELLCAD, SPRI, BORDYN					

<b>Error Summary</b>	File: <b>SCMT_PSP_052PUC</b>	Sequence: <b>27</b>
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No errors detected in file.
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<b>Well Site Data</b>	File: <b>SCMT_PSP_052PUC</b>	Sequence: <b>27</b>
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Origin: 67

Well Data

Company Name	Esso Australia pty ltd.	CN	
Well Name	HLA A-1	WN	
Field Name	Bass strait	FN	
County:	Halibut / CWU	CLAB, COUN	
State:	Victoria	SLAB, STAT	
Nation	Australia	NATI	
Field Location	Gippsland basin	FL	
Longitude	148° 19' 07.62" E	LONG	
Latitude	38° 24' 20.36" S	LATI	
Elevation of Kelly Bushing	29.4 (m)	EKB	
Elevation of Derrick Floor	29.4 (m)	EDF	
Permanent Datum	Ground level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Drill floor	Above Permanent Datum 29.3 (m)	LMF, APD
Drilling Measured From	Drill floor		DMF

Absent Valued Parameters: CN1, CONT, FL1, FL2, SECT, TOWN, RANG, APIN, SON, MHD, EGL

Job Data

Run Number	1	RUN
Total Depth - Driller	2952.0 (m)	TDD
Bottom Log Interval	2919.9 (m)	BLI
Top Log Interval	2750.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.0 (m)	CDF
Casing Depth To	2944.0 (m)	CADT
Casing Grade	I-80	CASG

## Well Data

Permanent Datum		GROUND LEVEL		PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF				
Job Data				
Run Number	1			RUN
Current Casing Size	7.00 (in)			CSIZ
Casing Weight	26.0 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON				
Mud Data				
Drilling Fluid Density	1.04 (g/cm3)			DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB				
PVT Data				
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR				
Cement Data				
Cement Job Type	Primary			CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA				

Frame Summary		File: FCS_WPGRT_RST_ILS_066PUP		Sequence: 28		
Origin: 9						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
BOREHOLE-DEPTH	2934.46	2586.53 m	-60.0 (0.1 in) up	194	TDEP	60B
	9627.50	8486.00 ft				
BOREHOLE-DEPTH	2934.46	2586.71 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	9627.50	8486.58 ft				

<b>File Header</b>		File: <b>FCS_WPGRT_RST_ILS_067LTP</b>	Sequence: <b>29</b>	
<b>Defining Origin: 9</b>				
File ID: FCS_WPGRT_RST_ILS_067LTP File Type: STATION				
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41	File Number: 93
9-JUL-2006 5:26:22				
Tool String:	PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT- <del>/</del>			
Computations:	WELLCAD			

<b>Error Summary</b>		File: <b>FCS_WPGRT_RST_ILS_067LTP</b>	Sequence: <b>29</b>
No errors detected in file.			

<b>Well Site Data</b>		File: <b>FCS_WPGRT_RST_ILS_067LTP</b>	Sequence: <b>29</b>
<b>Origin: 9</b>			
<b>Well Data</b>			
Permanent Datum	GROUND LEVEL		PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF			
<b>Job Data</b>			
Run Number	1		RUN
Current Casing Size	7.00 (in)		CSIZ
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON			
<b>Mud Data</b>			
Drilling Fluid Density	1.04 (g/cm3)		DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB			
<b>PVT Data</b>			
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR			
<b>Cement Data</b>			
Cement Job Type	Primary		CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA			



Frame Summary		File: FCS_WPGRT_RST_ILS_067LTP		Sequence: 29		
Origin: 9						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	5537.09	6134.09 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	5537.09	6134.33 s	120.0 (0.5 ms)	17	TIME;5	120T

File Header		File: FCS_WPGRT_RST_ILS_068LTP		Sequence: 30		
Defining Origin: 9						
File ID: FCS_WPGRT_RST_ILS_068LTP File Type: STATION						
Producer Name: Schlumberger		Product/Version: OP 14C0-302		File Set: 41	File Number: 94	9-JUL-2006 5:39:01
Tool String:		PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/-				
Computations:		WELLCAD				

Error Summary		File: FCS_WPGRT_RST_ILS_068LTP		Sequence: 30	
No errors detected in file.					

Well Site Data		File: FCS_WPGRT_RST_ILS_068LTP	Sequence: 30
Origin: 9			
Well Data			
Permanent Datum		GROUND LEVEL	PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF			
Job Data			
Run Number		1	RUN
Current Casing Size		7.00 (in)	CSIZ
Casing Weight		26.0 (lbm/ft)	CWEI
Bit Size		8.50 (in)	BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON			
Mud Data			
Drilling Fluid Density		1.04 (g/cm3)	DFD
Absent Valued Parameters: DFT, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB			
PVT Data			
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR			
Cement Data			
Cement Job Type		Primary	CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA			

Frame Summary		File: FCS_WPGRT_RST_ILS_068LTP		Sequence: 30		
Origin: 9						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	6294.73	6617.73 s	2000.0 (0.5 ms)	56	TIME;3	2000T
TIME	6294.73	6617.89 s	120.0 (0.5 ms)	17	TIME;5	120T

File ID: FCS\_WPGRT\_RST\_ILS\_070LTP

File Type: STATION

Producer Name: Schlumberger

Product/Version: OP 14C0-302

File Set: 41

File Number: 96

9-JUL-2006 5:47:55

Tool String:

PFCS-A, WPGRT-A, RST-C, PILS-A, PSPT-/

Computations:

WELLCAD

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

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Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31

File: FCS\_WPGRT\_RST\_ILS\_070LTP

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File: FCS\_WPGRT\_RST\_ILS\_070LTP

Sequence: 31