

Company: Origin Energy Resources Ltd.

Well: Trefoil-1

Field: Trefoil

Rig: ENSCO 102

Country: Australia

CPST Packer Set
Packer Setting Record
Scale 1:200

ENSCO 102
Trefoil
GDA94 Zone 55
Trefoil-1
Origin Energy Resources Ltd.

LOCATION	
GDA94 Zone 55	Elev.: K.B. 39.9 m
Northings 5,586,346 m	G.L. -68.9 m
Eastings 361,028 m	D.F. 39.9 m
Permanent Datum: _____	Mean Sea Level _____
Log Measured From: _____	Drill Floor (RT) _____
Drilling Measured From: _____	Drill Floor (RT) _____

State: Tasmania	Max. Well Deviation 0.16 deg	Longitude 145 22' 30.87"E	Latitude 39 51' 41.58"S
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Logging Date	8-Dec-2004		
Run Number	Suite 1 Runs 10-11		
Depth Driller	3400.71 m		
Schlumberger Depth	Not tagged		
Bottom Log Interval	3120.23 m		
Top Log Interval	3120.23 m		
Casing Fluid Type	NaCl Brine		
Salinity	57000 ppm		
Density	9.43 lbm/gal		
Fluid Level	0 m		
BIT/CASING/TUBING STRING			
Bit Size	8.500 in		
From	2421 m		
To	3543.13 m		
Casing/Tubing Size	6.625 in		
Weight	24 lbm/ft		
Grade	L80		
From	2272.15 m		
To	3458 m		
Maximum Recorded Temperatures			
Logger On Bottom	8-Dec-2004	15:15	
Unit Number	571	VEA	
Recorded By	G. Ruthven/J. Robertson		
Witnessed By	M. Lanzer/H. Amos		

	Run 1	
Oil Density		
Water Salinity	57000 ppm	
Gas Gravity		
Bo		
Bw		
1/Bg		
Bubble Point Pressure		
Bubble Point Temperature		
Solution GOR		
Maximum Deviation	0.16 deg	
CEMENTING DATA		
Primary/Squeeze	Primary	
Casing String No	4	
Lead Cement Type		
Volume		
Density		
Water Loss		
Additives		
Tail Cement Type	ABC "G" Cement	
Volume	119 m3	
Density	1.89325 g/cm3	
Water Loss	113 cm3	
Additives	D066,Gasstop,D080	
Expected Cement Top	2319 m	
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: 9-DEC-2004 17:47:13

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-E Serial Number: 1914 Calibration Date: 24-Mar-2004 Calibrator Serial Number: 9 Calibration Cable Type: 7-46V-XS Wheel Correction 1: -5 Wheel Correction 2: -5	Type: CMTD-B/A Serial Number: 2336 Calibration Date: 28-Apr-2004 Calibrator Serial Number: 1051 Calibration Gain: 0.87 Calibration Offset: 115.00	Type: 7-46ZV-XS Serial Number: 74172 Length: 7324.04 M Conveyance Method: Wireline Rig Type: Offshore_Fixed

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	USI-CBL-VDL-GR-CC
Reference Log Run Number:	9
Reference Log Date:	7-Dec-2004
Subsequent Trip Down Log Correction:	-0.20 M

Depth Control Remarks

1. Subsequent trip in hole. Log correlated to above reference log using CCL.
2. Primary depth reference IDW-E
3.
4.
5.
6.

DISCLAIMER

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OTHER SERVICES1
OS1: SP-HRLA-PEX-CMR-G
OS2: FMI-DSI-HNGS
OS3: MDT-GR
OS4: MSCT-GR
OS5: USIT-CBL-VDL-GR-CC
REMARKS: RUN NUMBER 1
Subsequent run in hole. Log correlated to Run 8, USIT-CBL-VDL-GR-CCL dated 7-Dec-2004.
Objective:
Set production packer and perforating guns with top shot at 3141m MD.
Distance from CCL to top shot = 24.56m
Junk Basket was run with 5.77" gauge ring prior to running in hole with packer and perforating guns.

Diagram illustrating the tool assembly components and dimensions:

- PEH-A (Top Component): 3.82
- CAL-B (Middle Component): 3.28
- AH-Junk Basket (Bottom Component): 2.57
- Labels: Tension CCL, TOOL ZERO



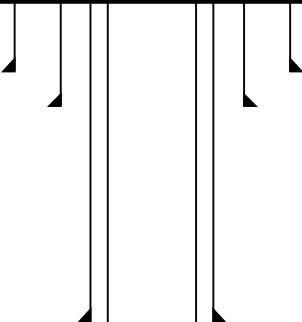
0.05

TOOL BOTTOM

MAXIMUM STRING DIAMETER 5.69 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

ALL DEPTHS TAKEN FROM DRILLER

Elevation: 0.0 m

Production String	(in) (m)			Well Schematic	(m) (in)			Casing String
	OD	ID	MD		MD	OD	ID	
					0.0	30.000		Casing String
					142.6	30.000		Casing Shoe
					214.6	20.000		Casing Shoe
					659.6	13.375 12.615		Casing Shoe

Company: Origin Energy Resources Ltd.

Well: Trefoil-1

Output DLIS Files

DEFAULT

PERFO_059LUP

FN:83

PRODUCER

08-Dec-2004 15:35

BACKUP_GUN

PERFO_059LUP

FN:84

PRODUCER

08-Dec-2004 15:35

OP System Version: 12C0-301

MCM

SHM_GUN

12C0-301

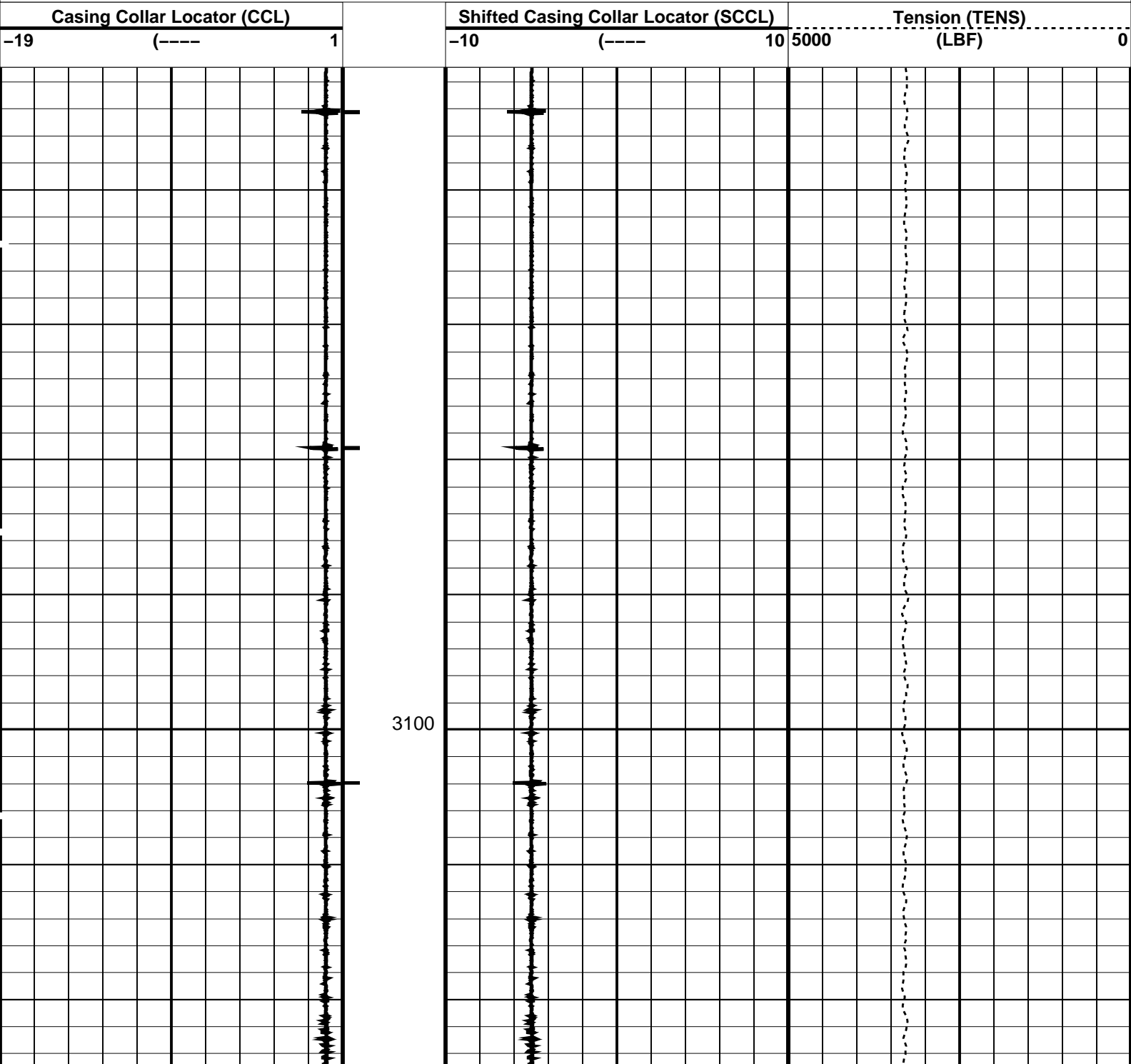
CAL-B

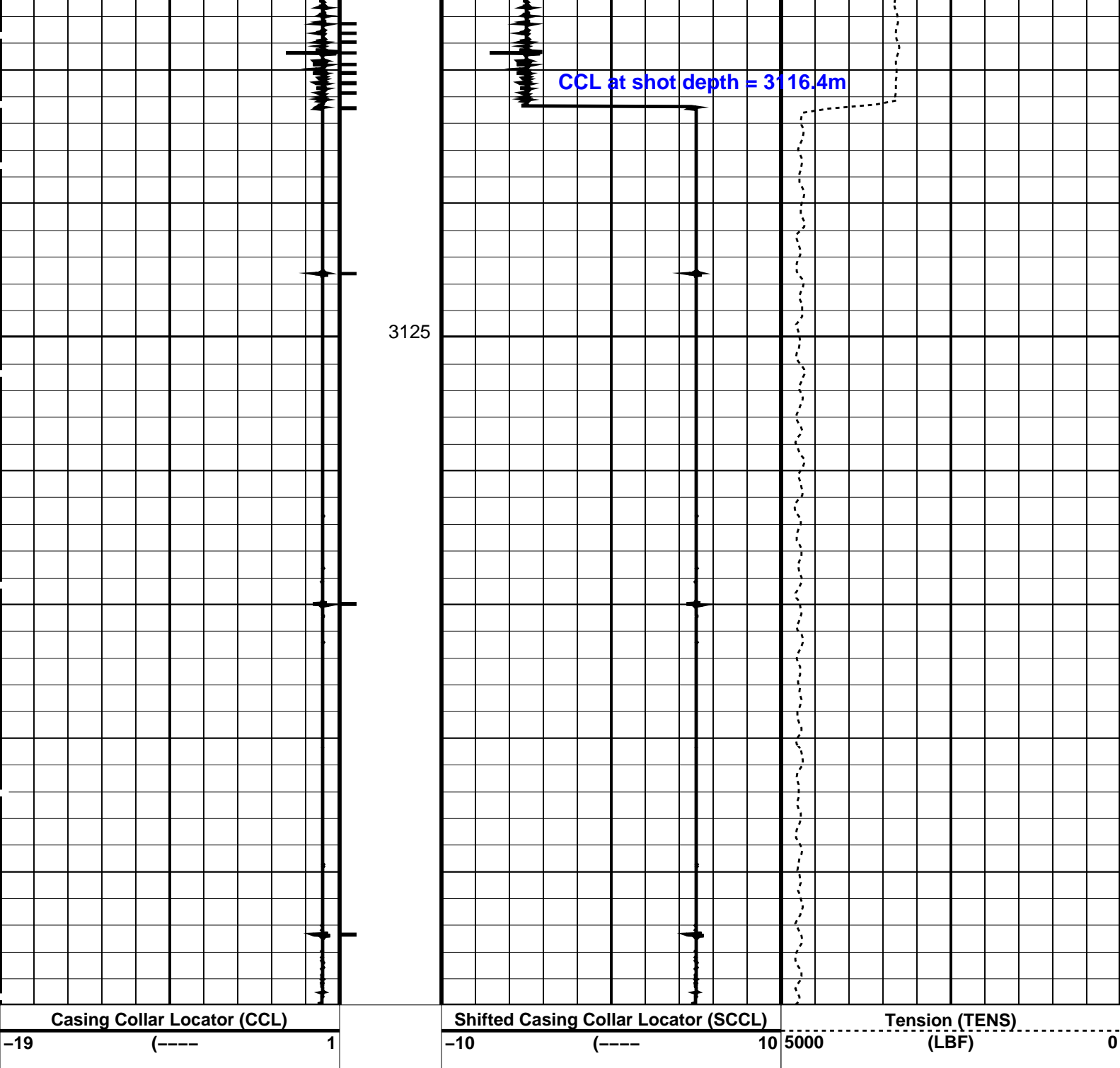
12C0-301

PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

← Casing Collars

Parameters		
DLIS Name	Description	Value
CAL-B: Casing Collar Locator		
CCLD	CCL reset delay	12 IN
CCLT	CCL Detection Level	-0.3 V

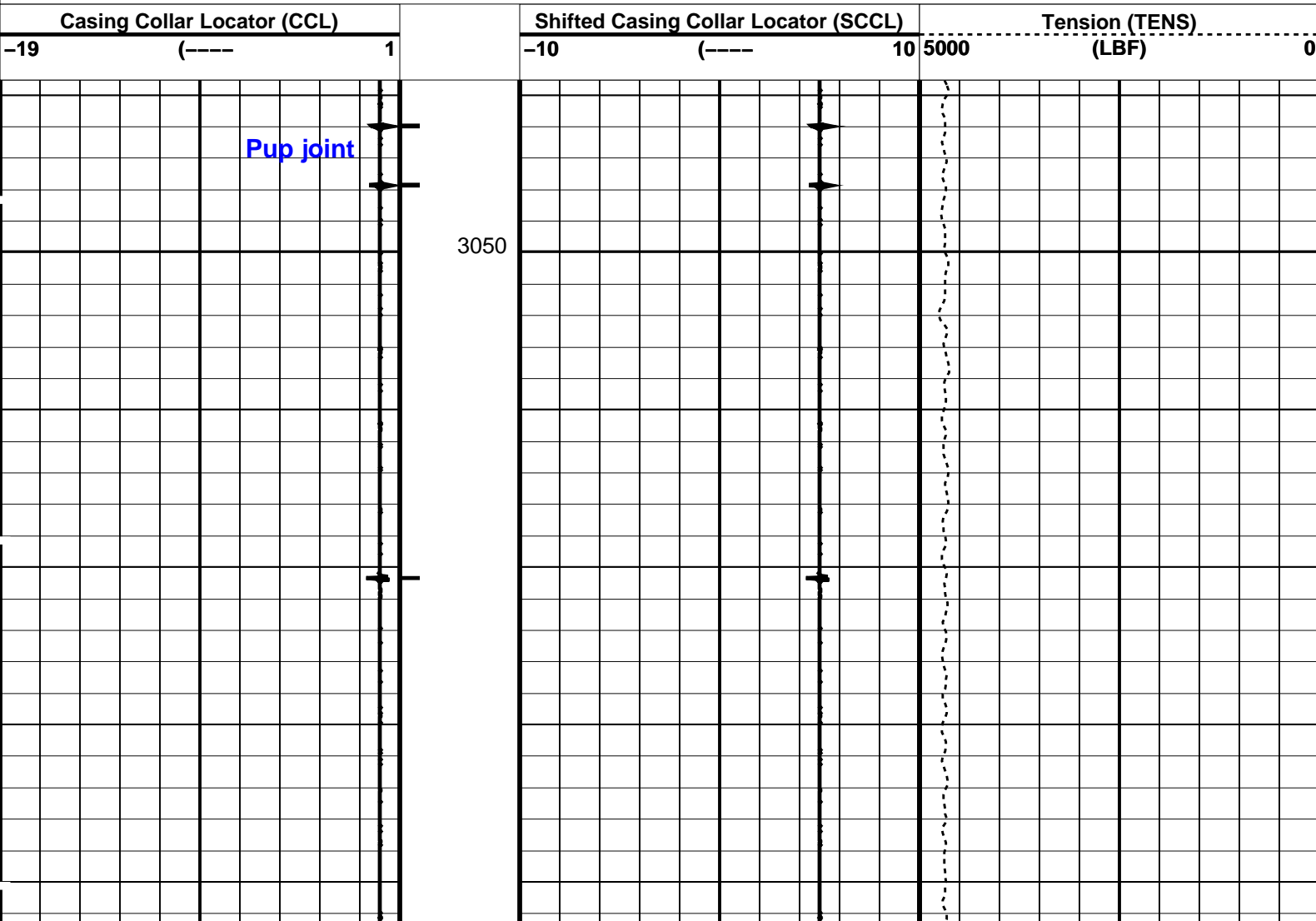
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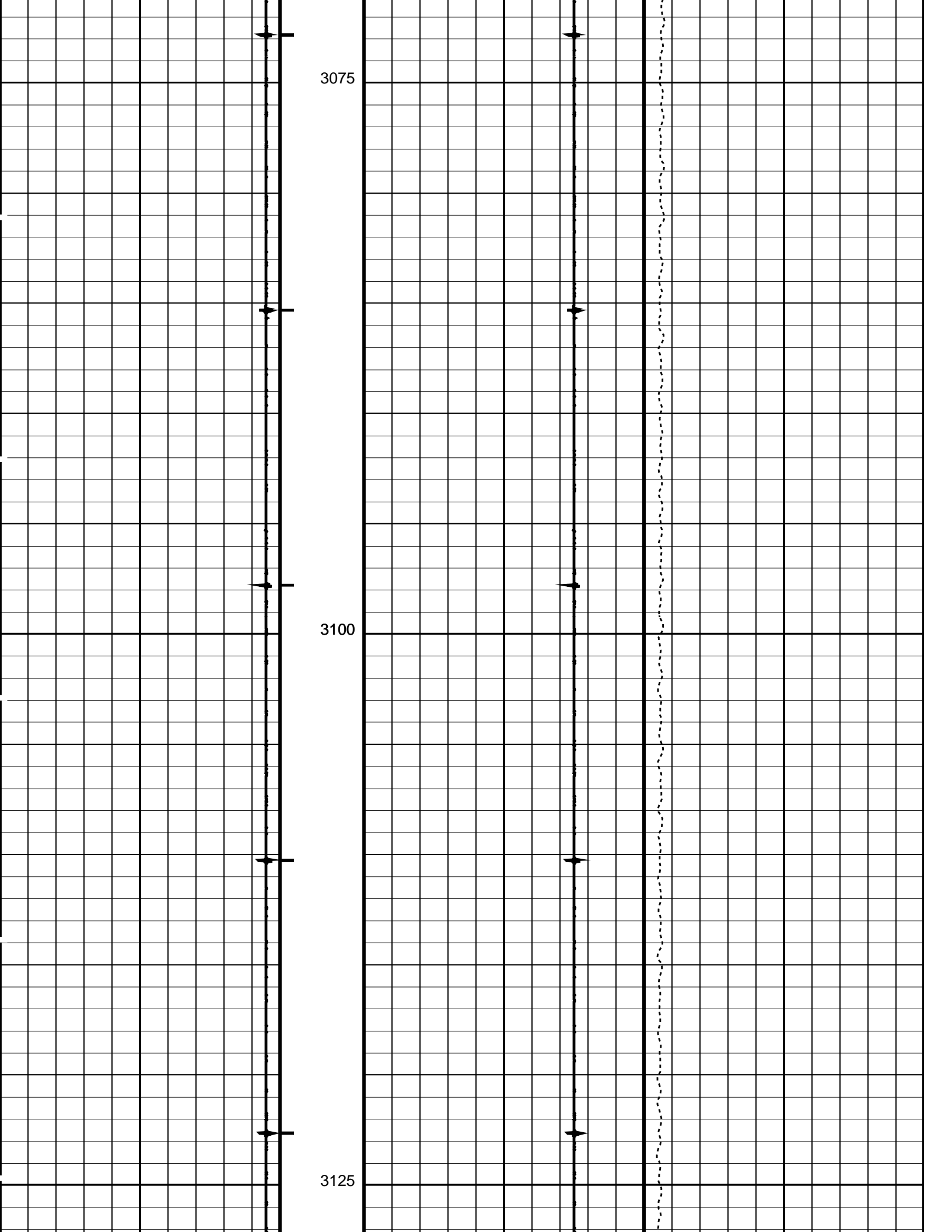
OP System Version: 12C0-301

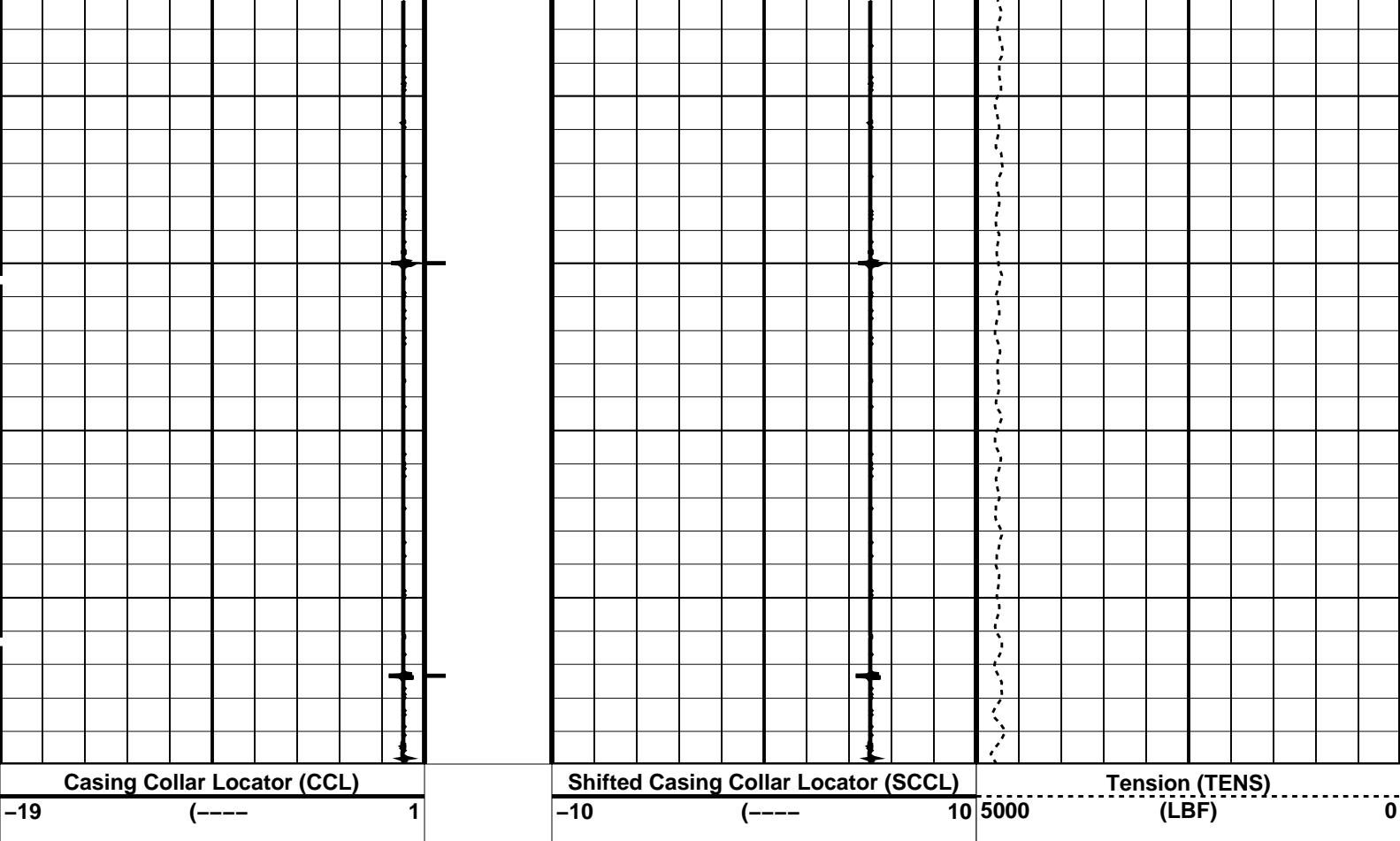
MCM

SHM_GUN 12C0-301 CAL-B 12C0-301

Output DLIS Files







PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
CAL-B: Casing Collar Locator		
CCLD	CCL reset delay	12 IN
CCLT	CCL Detection Level	-0.3 V

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 08-Dec-2004 15:17

OP System Version: 12C0-301

MCM

SHM_GUN 12C0-301 CAL-B 12C0-301

Output DLIS Files

DEFAULT	PERFO_058LUP	FN:81	PRODUCER	08-Dec-2004 15:17
BACKUP_GUN	PERFO_058LUP	FN:82	PRODUCER	08-Dec-2004 15:16

Company: Origin Energy Resources Ltd.

Schlumberger

Well: Trefoil-1
Field: Trefoil
Rig: ENSCO 102
Country: Australia

CPST Packer Set
Packer Setting Record

