Company LARAMIE ENERGY
Well HAWXHURST 24-10B
Field WILD CAT
County MESA State CO

HALLIBURTON

TEMPERATURE LOG

Company LARAMIE ENERGY
Well HAWXHURST 24-10B
Field WILD CAT
County MESA State CO

API No.: 05077101060000 Serv #: 8125153
Location: LATITUDE: NORTH 39 DEG-15 MIN-33.865 SEC
LONGITUDE: WEST 107 DEG-56 MIN-8.23 SEC

Other Services
NONE

Sec: 24 Twp: 9S Rge: 95W

Permanent Datum	GROUND LEVEL	Elevation 6354	Elevation
Log Measured From	KB , 21 Ft. above perm. datum		K.B. 6375
Drilling Measured From	KB		D.F. 6376 G.L. 6354
Date @ Time Logged	23 APR 2011 @ 0100	Type Fluid in Hole	WATER
Run No.	ONE	Density of Fluid	8.34 PPG
Depth - Driller	10708	Fluid Level	SURFACE
Depth - Logger	5930	Cement Top Est. Logged	RECORDED
Bottom - Logged Interval	5930	Equipment / Location	10678583 8 / GJ
Top - Log Interval	SURFACE	Recorded by	R. STONE
Max. Recorded Temp.	178	Witnessed by	NA

CEMENTING DATA	Surface String	Protection String	Production String	Liner
Date / Time Cemented	NA			
Primary / Squeeze	NA			
Expected Compressive Strength	NA psi@ hrs	psi@ hrs	psi@ hrs	psi@ hrs
Cement Volume	NA			
Cement Type / Weight	NA /	/	/	/
Formulation	NA			
Mud Type / Mud Wgt.	NA /	/	/	/

Borehole Record			Casing & Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25	0	1526	9.625	36	0	1526
NA							

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HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHCIH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

Comments

H.E.S. TEMPERATURE LOG DATED 23 APR 2011 CORRELATED TO H.E.S. RADIAL CEMENT BOND LOG TEMPERATURE DATED 20 APR 2011

INTERMEDIATE CASING REPORT NOT AVALIABLE AT TIME OF LOG

CASING SIZE AFFECTED CCL SIGNAL

MAX RECORDED TEPERATURE: 178 DEG F

***THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES GRAND JUNCTION COLOR

Service Ticket No. 8125153 API No. 05077101060000 PGM Ver 101102_B1

The Well Name, Location, Borehole Description, and / or Cementing Data Furnished by Client

EQUIPMENT DATA

GAMMA RAY		CCL		TEMP		NA	
Run No.	ONE	Run No.	ONE	Run No.	ONE	Run No.	
Serial No.	081008	Serial No.	081008	Serial No.	081116	Serial No.	
Model No.	PROBE	Model No.	PROBE	Model No.	PROBE	Model No.	
Diameter	2.75"	Diameter	2.75"	Diameter	1.38"	Diameter	

LOGGING DATA

General Data

Pass No.	Depths From	Depths To	Well Head Pressure	Speed Ft/Min	Logging Run Comments
ONE	5930'	55'	0	60	MAIN LOG SECTION

	GAMMA RAY Scale		CCL Scale		TEMP Scale		Scale	
Pass No.	L	R	L	R	L	R	L	L
ONE	0	150	37	-9	20	200		

DIRECTIONAL INFORMATION

Maximum Deviation	N/A	deg. @	N/A	KOP	N/A

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MAIN LOG SECTION

(DOWN PASS AT 60 FT/MIN)

Database File: laramie_2.db
Dataset Pathname: temp/DOWN_M
Presentation Format: temp
Dataset Creation: Sat Apr 23 03:09:08 2011
Charted by: Depth in Feet scaled 1:600

0	GR (GAPI)	150	LTEN	20	TEMP (degF)	200
37	CCL	-9	0 (lb) 2000	-5	DTMP (degF)	5

TEMP (degF)

0	GR (GAPI)	150	LTEN	20	TEMP (degF)	200
37	CCL	-9	0 (lb) 2000	-5	DTMP (degF)	5

TEMP (degF)

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MAIN LOG SECTION

(DOWN PASS AT 60 FT/MIN)

HALLIBURTON

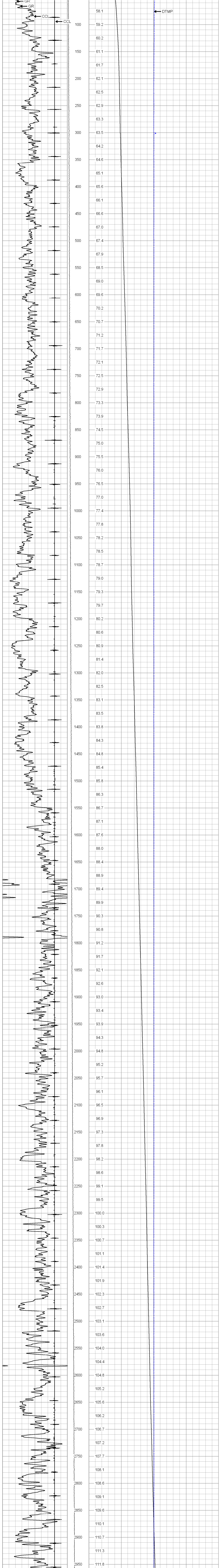
MAIN LOG SECTION

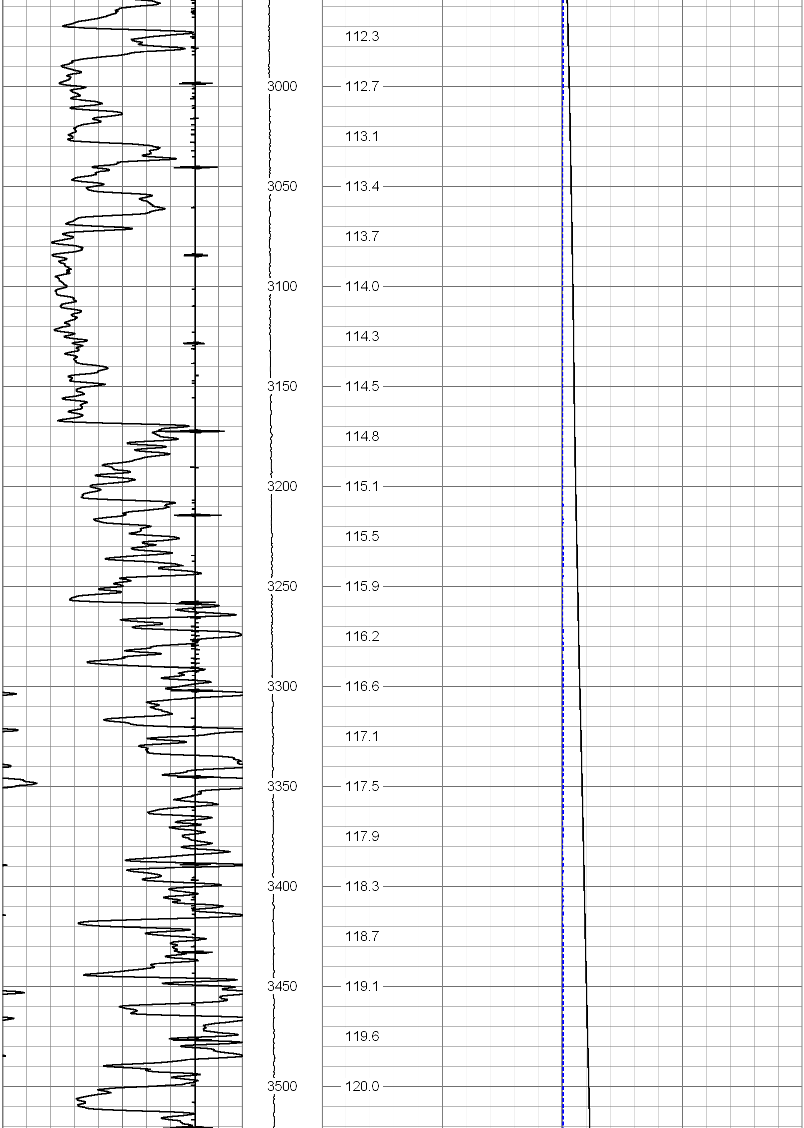
(UP PASS AT 60 FT/MIN)

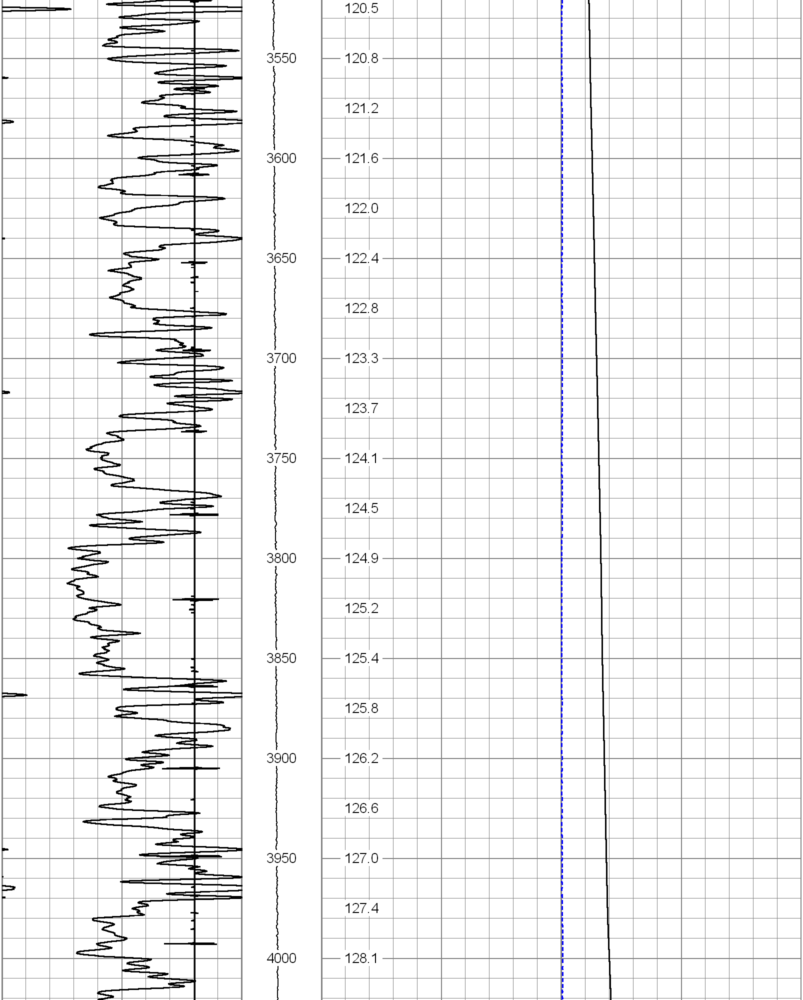
Database File: laramie_2.db
Dataset Pathname: temp/MAIN_1
Presentation Format: temp
Dataset Creation: Sat Apr 23 03:20:05 2011
Charted by: Depth in Feet scaled 1:600

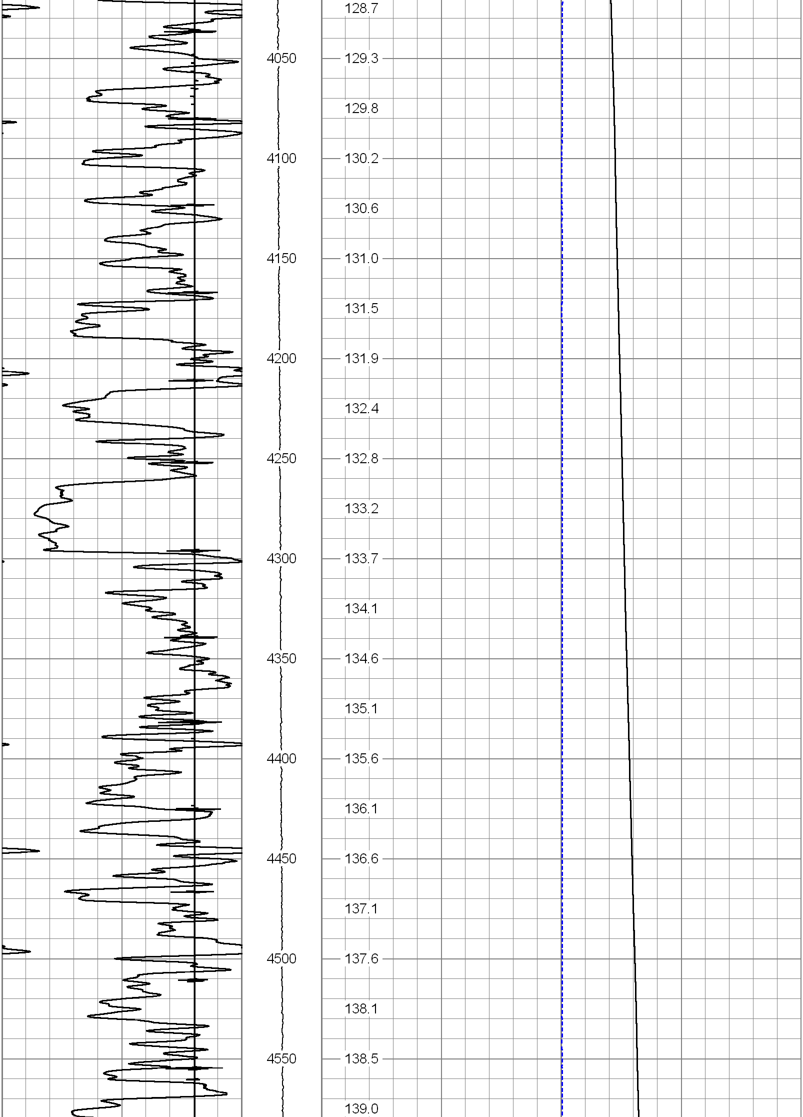
0	GR (GAPI)	150	LTEN	20	TEMP (degF)	200
37	CCL	-9	0 (lb) 2000	-5	DTMP (degF)	5

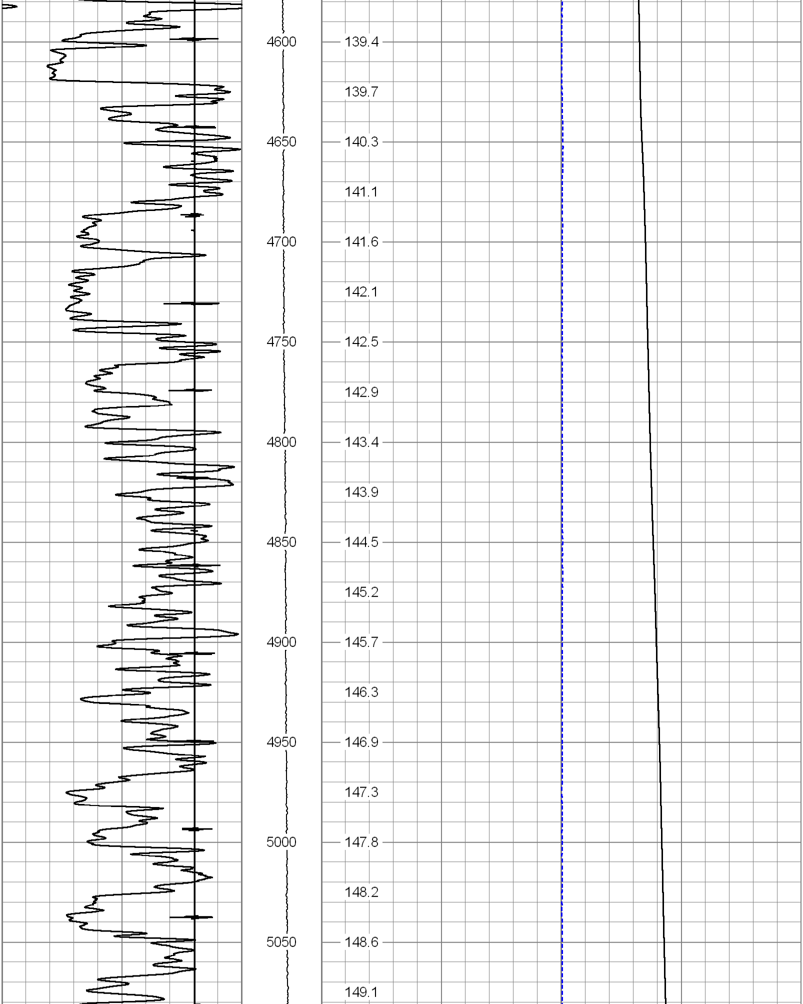
TEMP (degF)

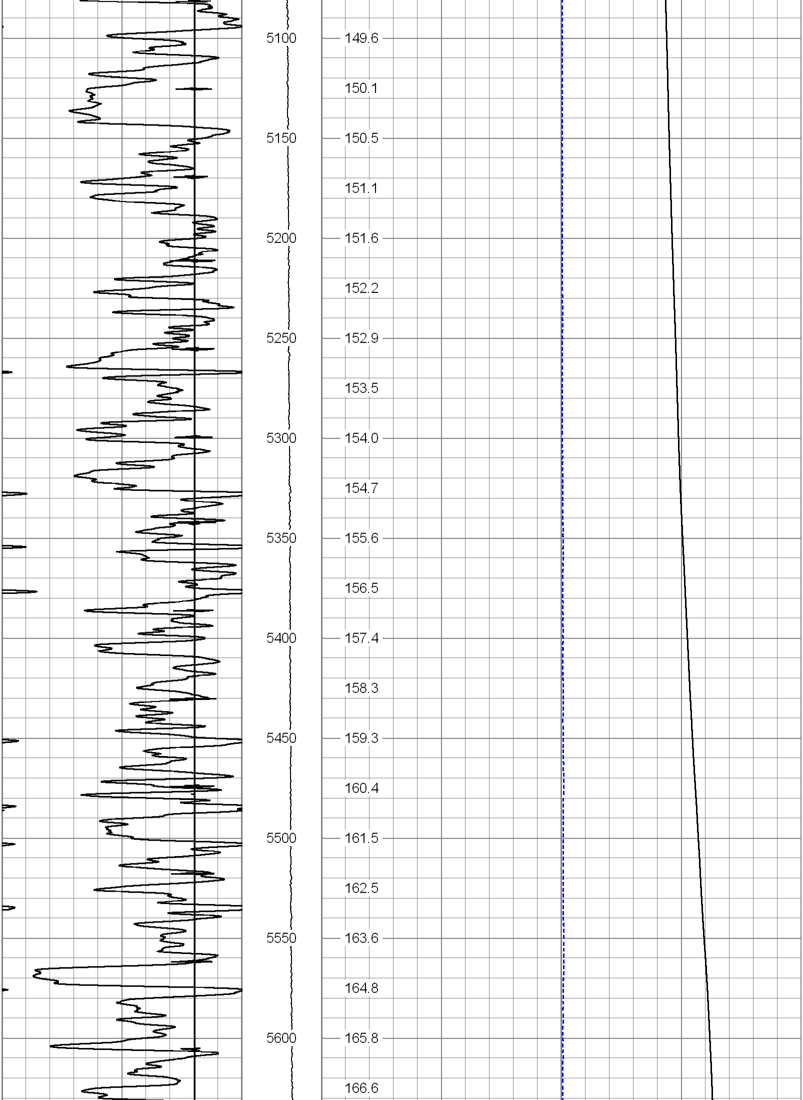


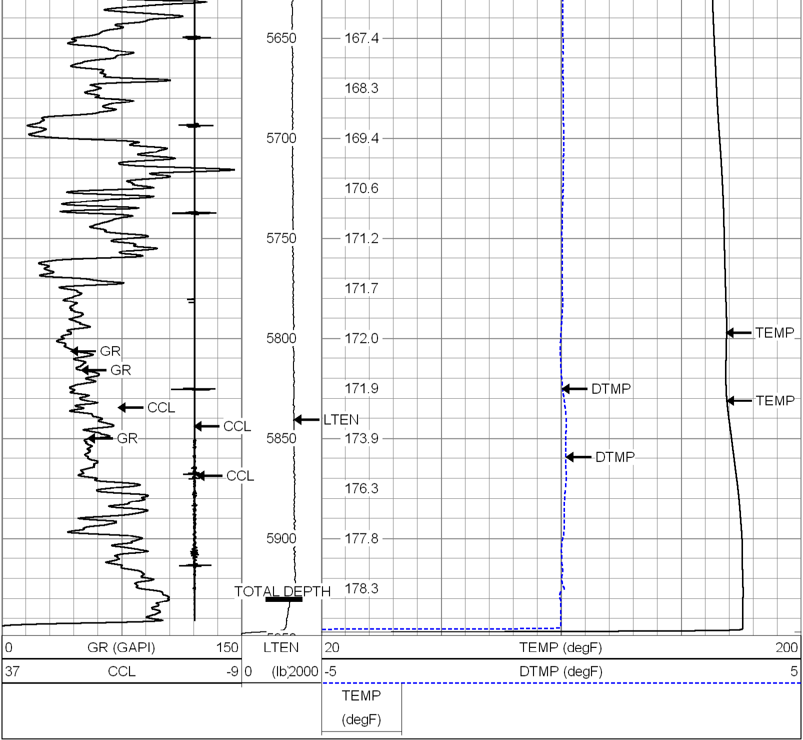












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MAIN LOG SECTION

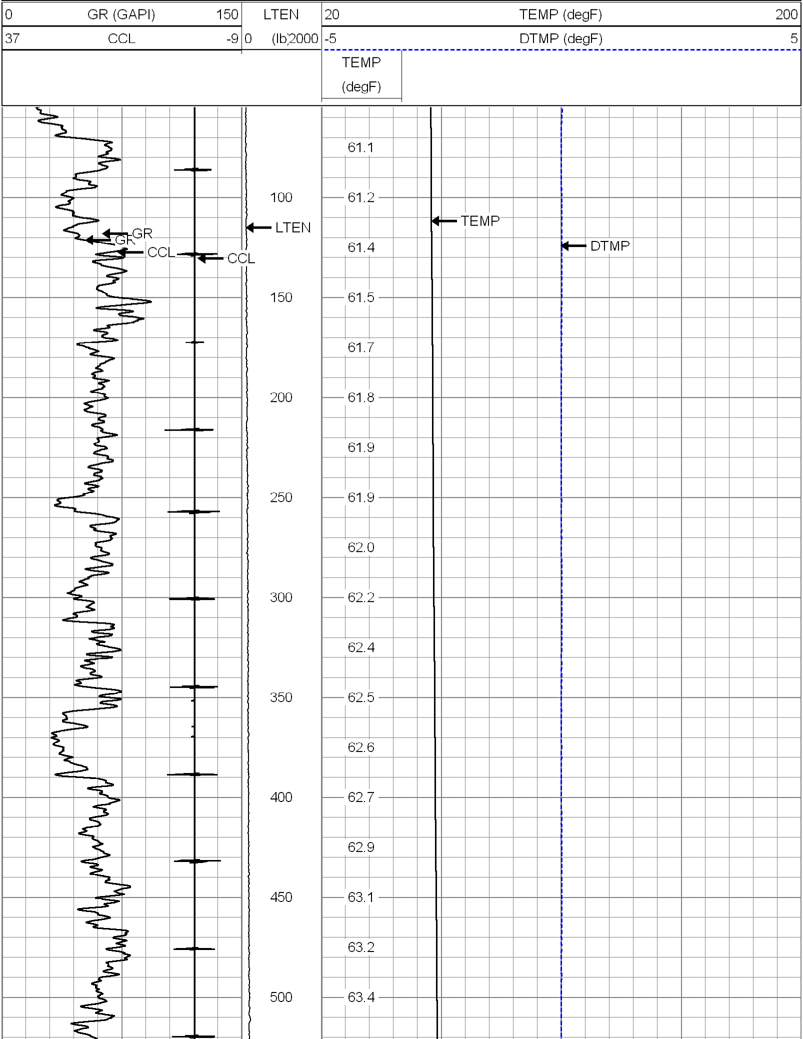
(UP PASS AT 60 FT/MIN)

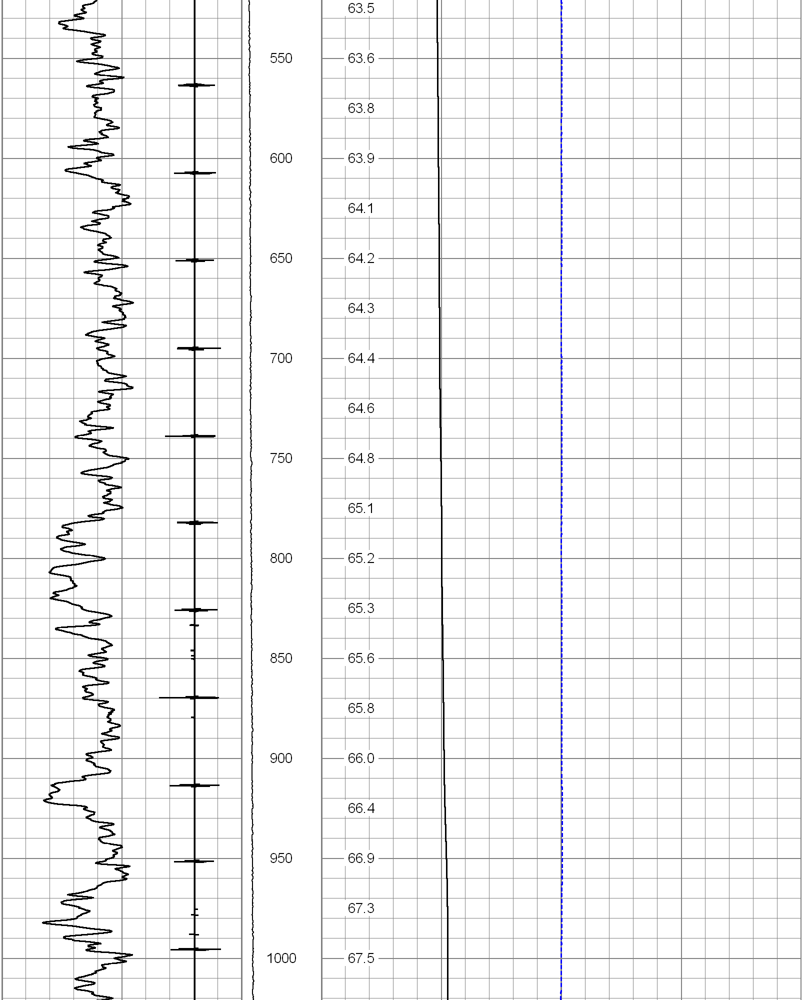
HALLIBURTON

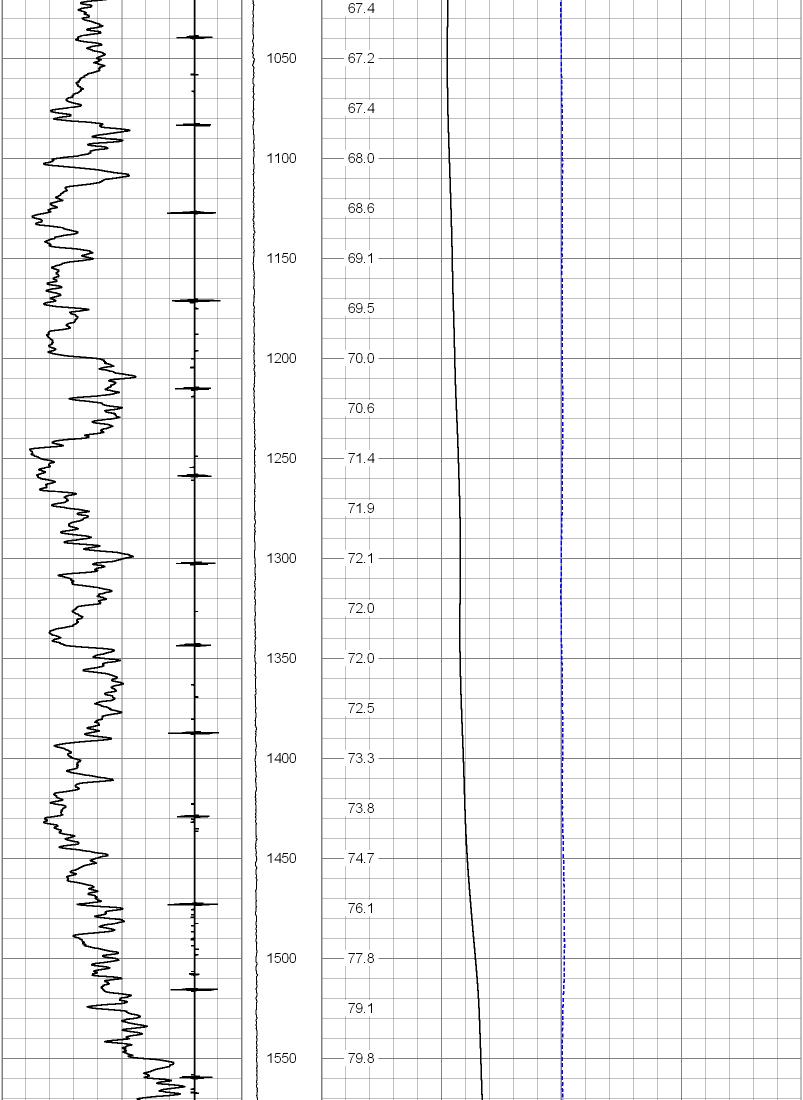
MAIN LOG SECTION

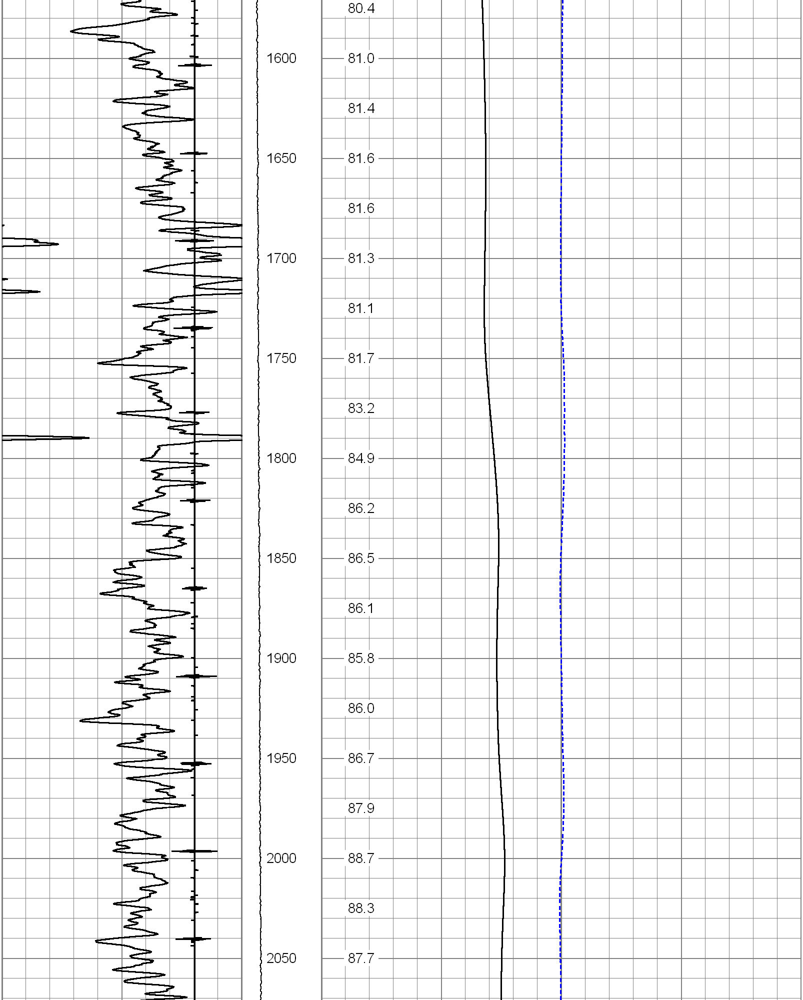
(UP PASS WITH BACK SIDE PRESSURE AT 60 FT/MIN)

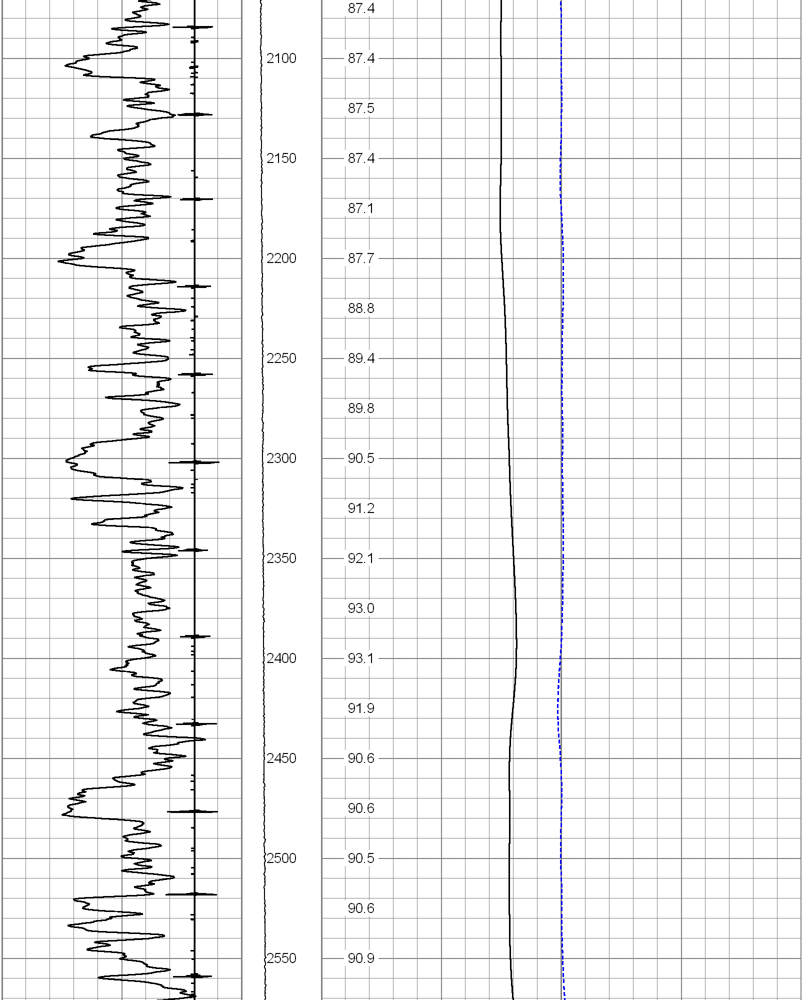
Database File:	laramie_2.db
Dataset Pathname:	temp/MAIN_2
Presentation Format:	temp
Dataset Creation:	Sat Apr 23 03:25:56 2011
Charted by:	Depth in Feet scaled 1:600

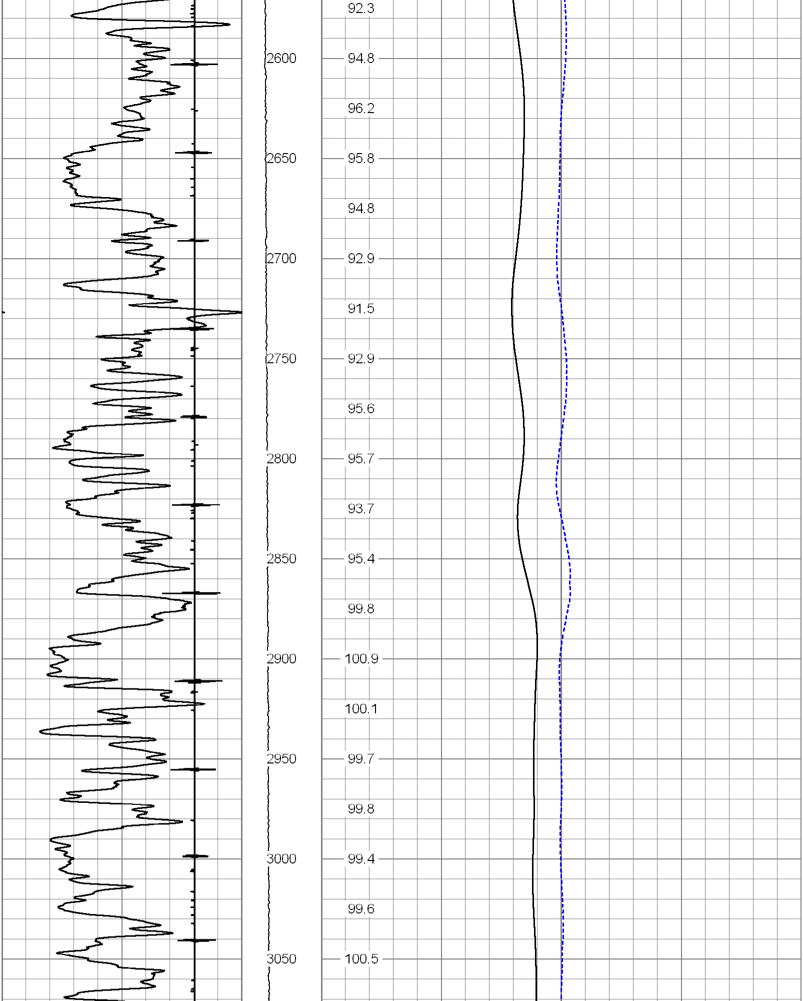


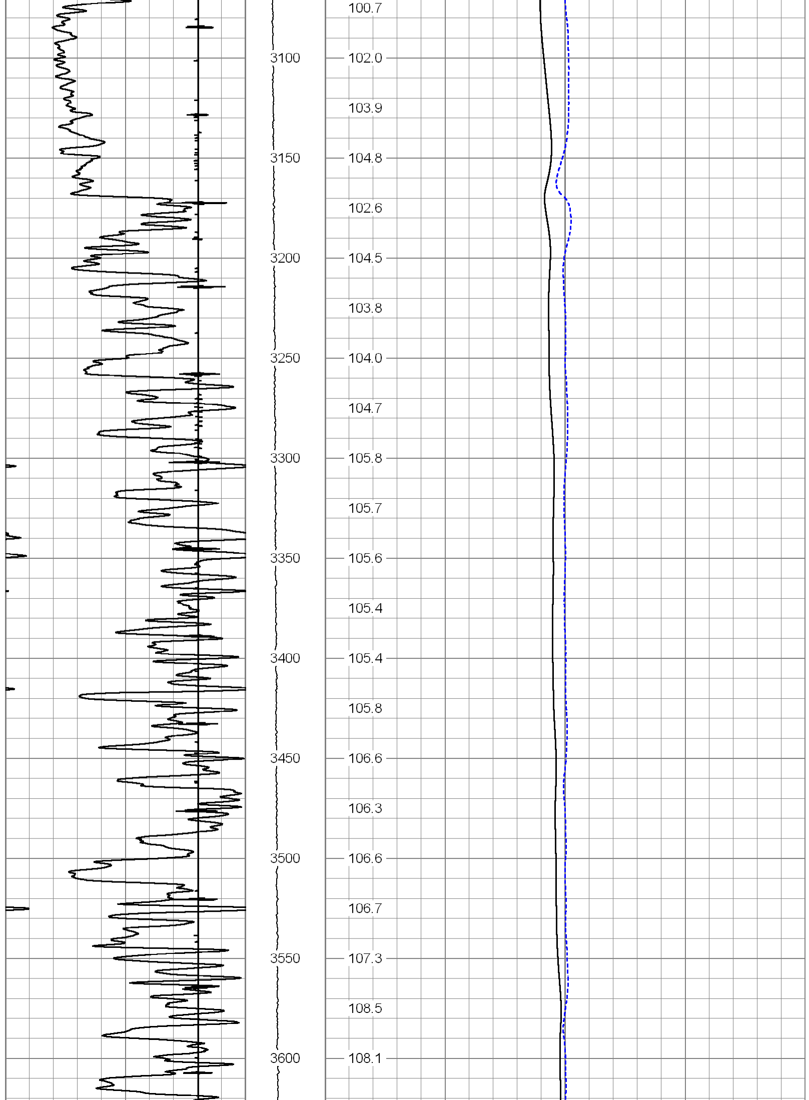


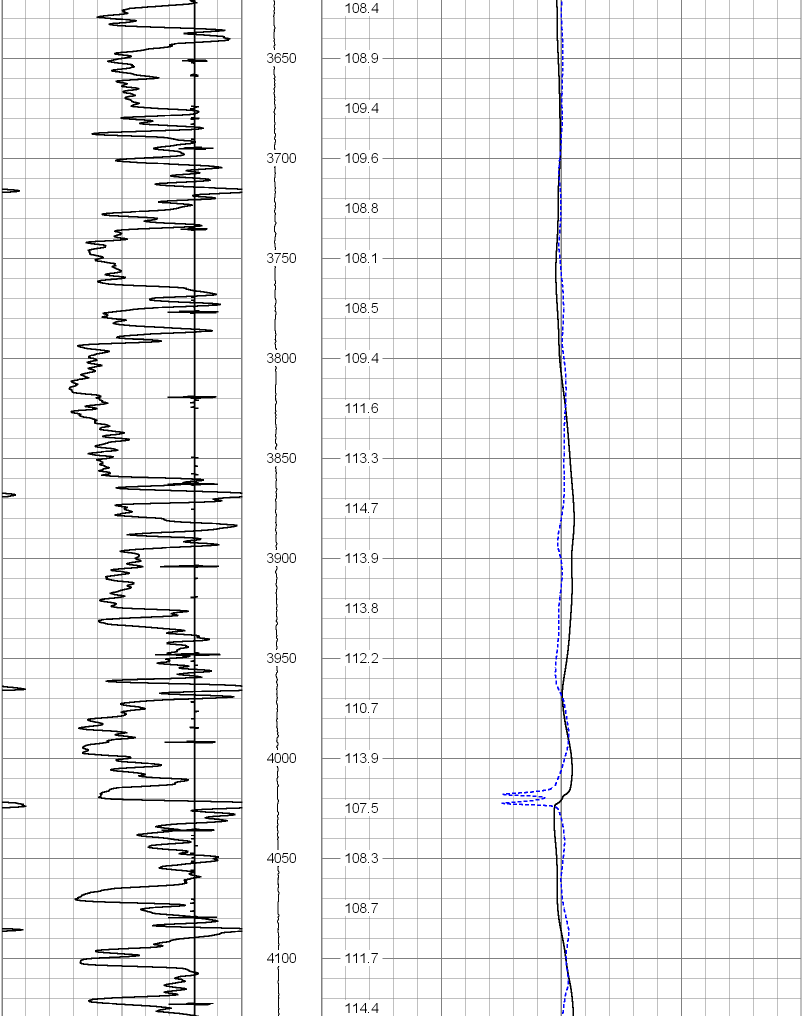


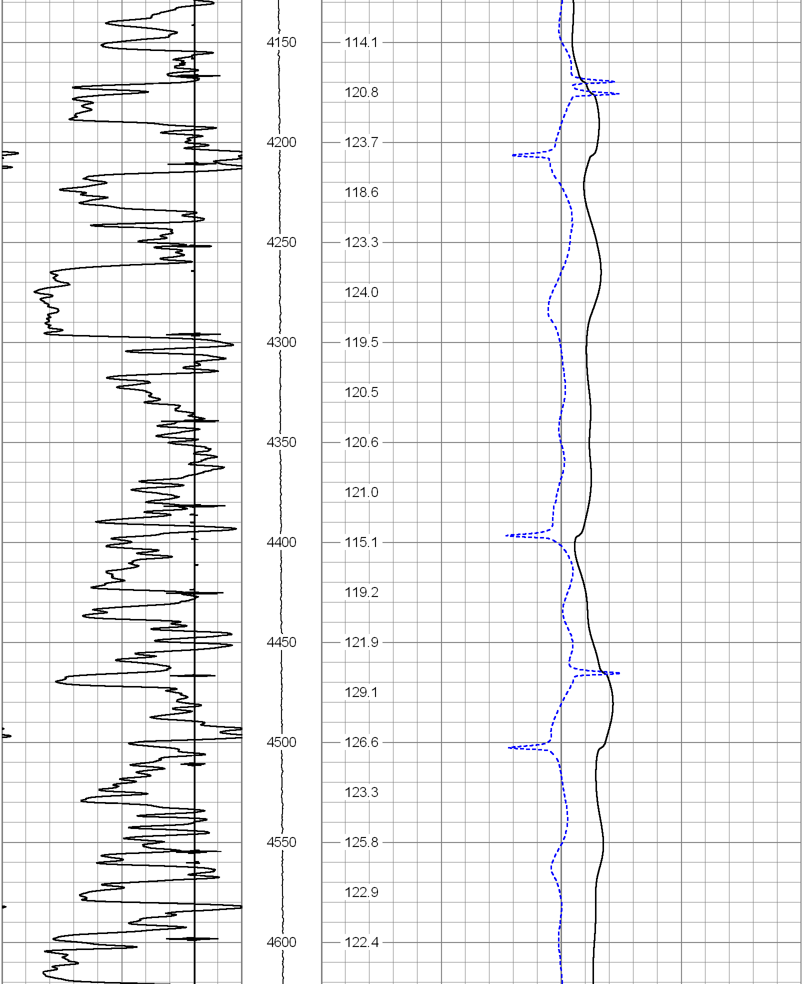


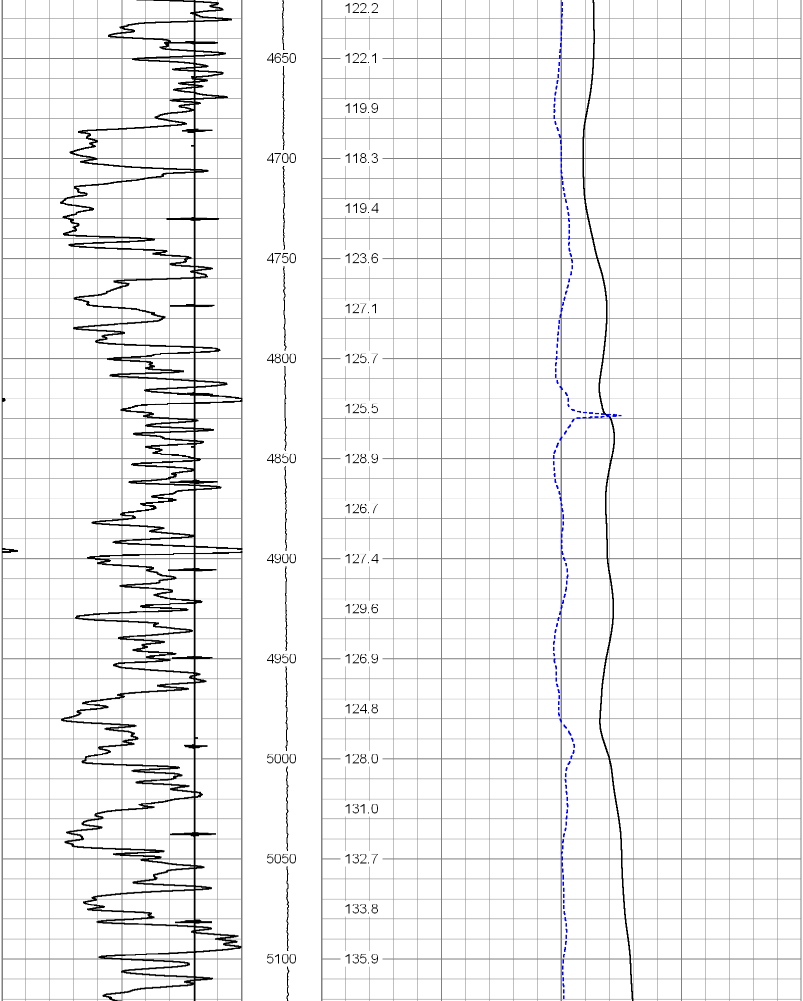


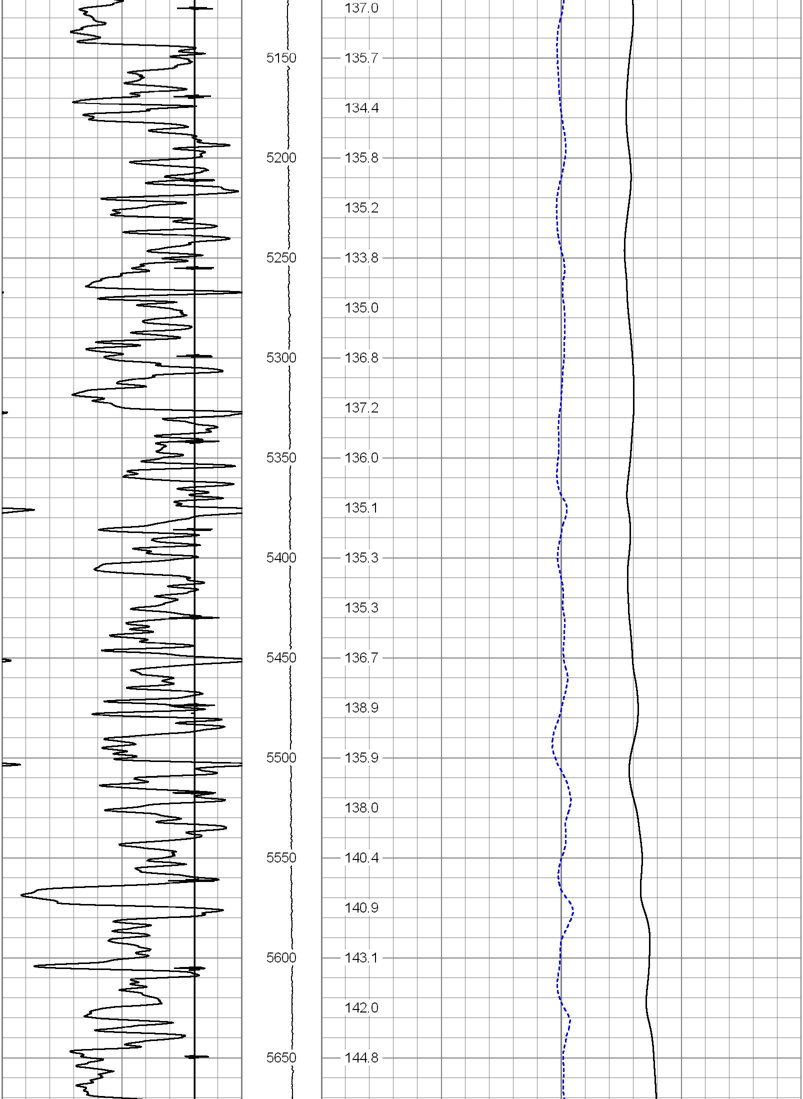


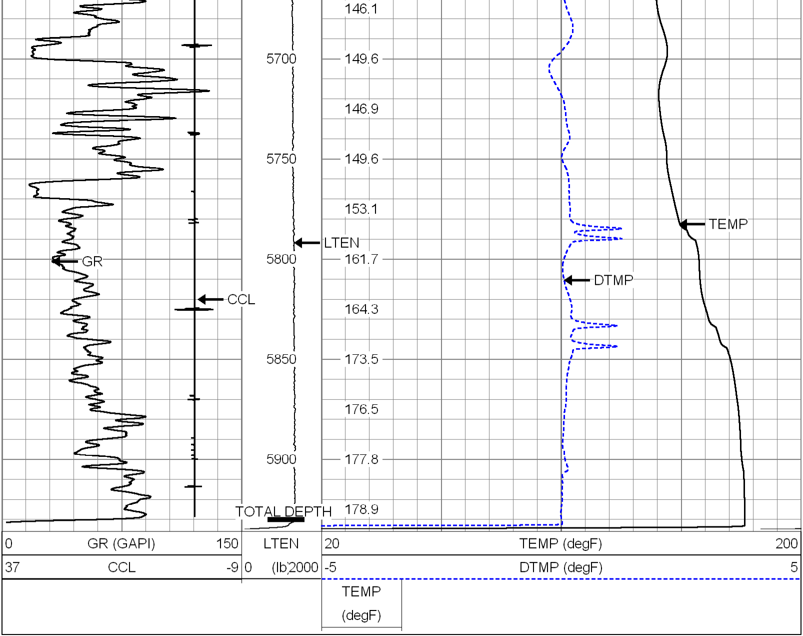












HALLIBURTON

MAIN LOG SECTION

(UP PASS WITH BACK SIDE PRESSURE AT 60 FT/MIN)

Calibration Report

Database File: laramie_2.db
Dataset Pathname: temp/MAIN_2
Dataset Creation: Sat Apr 23 03:25:56 2011

Temperature Calibration Report

Serial Number: 081116
Tool Model: 1.375TEMP
Performed: Fri Apr 22 19:32:08 2011

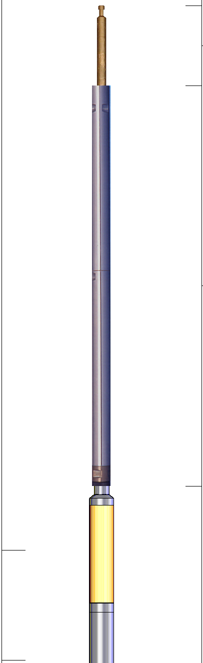
	Reference		Reading	
Low Reference:	0.00	degF	0.00	cps
High Reference:	1.00	degF	1.00	cps

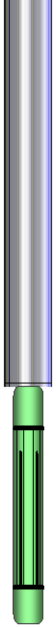
Gain: 0.10
Offset: 0.00
Delta Spacing 1

Gamma Ray Calibration Report

Type / Serial: probe275dig / 081008

SHOP CALIBRATION	Fri Apr 22 19:35:24 2011				
	Counts/Sec.	Gain	Offset	Jig	Units
Background	40.9				cps
Calibrator	310.6				cps
		0.9528			GAPI/cps
PRIMARY VERIFICATION	Fri Apr 22 19:38:19 2011				
Background	39.1				cps
Calibrator	297.3				cps
Difference				258.2	GAPI
BEFORE SURVEY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI
AFTER SURVEY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			11/16"_Cable_Head 11/16" Cable Head	1.00	0.69	1.00
			2"5FT	5.00	2.00	85.00
CCL	5.46					
GR	4.08					



		GR_PRB275-probe275dig (081008) Probe Digital Gamma CCL	4.71	2.75	57.00
		TEMP-1.375TEMP (081116) Temperature Tool	1.54	1.38	30.00
TEMP	0.08				
LLMTEN	0.00				

Dataset: laramie_2.db: field/well/temp/MAIN_2
Total Length: 12.25 ft
Total Weight: 173.00 lb
O.D. 2.75 in

Company	LARAMIE ENERGY
Well	HAWXHURST 24-10B
Field	WILD CAT
County	MESA
State	CO

HALLIBURTON

TEMPERATURE
LOG