



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1159202
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1159202

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Cimarex Energy Co.
Well Name	Hammer 19-3
Doc ID	1159202

Tops

Name	Top	Datum
Winfield	2730	117
Heebner Shale	4180	-1333
Lansing	4240	-1393
KC Drum	4510	-1663
KC Swope	4680	-1833
Marmaton / Lenapah	4850	-2003
Cherokee	5025	-2178
Atoka	5125	-2278
Morrow	5280	-2433
Chester	5460	-2613
St. Genevieve	5495	-2648

SCALE 1:240

Company	CIMAREX ENERGY	Company	CIMAREX ENERGY
Well	HAMMER 19-3	Well	HAMMER 19-3
Field	WILDCAT	Field	WILDCAT
County	HASKELL State KANSAS	County	HASKELL State KANSAS
Permanent Datum		API No.:	15-081-22011
Log Measured From	GROUND LEVEL	Serv #:	900568727
Drilling Measured From	KB, 11 Ft. above perm. datum	Location:	SE SE SE
Date @ Time Logged	5 JUL, 2013 @ 11:13		Other Services
Run No.	TWO		NONE
Depth - Driller	5750	Type Fluid in Hole	WATER
Depth - Logger	5358	Density of Fluid	8.4
Bottom - Logged Interval	5355	Fluid Level	550
Top - Log Interval	4150	Cement Top Est. Logged	4359
Max. Recorded Temp.	134	Equipment / Location	10971687 / LIBERAL
CEMENTING DATA	Surface	Recorded by	T HANSON
Date / Time Cemented	String	Witnessed by	
Primary / Squeeze	N/A	Protection String	
Expected		Production String	
Compressive Strength	psi@ hrs	Liner	
Cement Volume			
Cement Type / Weight	/		
Formulation	/		
Mud Type / Mud Wgt.	/		
Run Number	Bit	From	To
	5.5	15.5	5752

<<< Fold Here >>>

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 WHICH 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

LOG CORRELATED TO HALLIBURTON RCBL LOG DATED 2 JULY, 2013

LOG IS TO VERIFY SQUEEZE JOB PERFORMED ON JULY 3, 2013

FREE PIPE PASS NOT CORRELATED

TOP OF CEMENT @ 4359
SHORT JOINT @ 4464 - 4477

THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES
YOUR CREW TODAY R GONZALEZ, J STROHM, T HANSON

The Well Name, Location, Borehole Description, and / or Cementing Data Furnished by Client								
EQUIPMENT DATA								
RCBL		GR/CCL						
Run No.	ONE	Run No.	ONE	Run No.		Run No.		
Serial No.	080454	Serial No.	060633	Serial No.		Serial No.		
Model No.	PRB_275	Model No.	PRB_275	Model No.		Model No.		
Diameter	2.75"	Diameter	2.75"	Diameter		Diameter		
LOGGING DATA								
General Data								
Pass	Depths		Well Head	Speed	Logging Run Comments			
No.	From	To	Pressure	Ft/Min				
9	5370	4150	0	45	MAIN PASS			
GR		AMP		TT		MSG		
Pass	Scale		Scale		Scale		Scale	
No.	L	R	L	R	L	R	L	L
ALL PASSES	0	150	0	100	177	277	200	1200
	150	300	0	20				
DIRECTIONAL INFORMATION								
Maximum Deviation	deg. @		KOP					

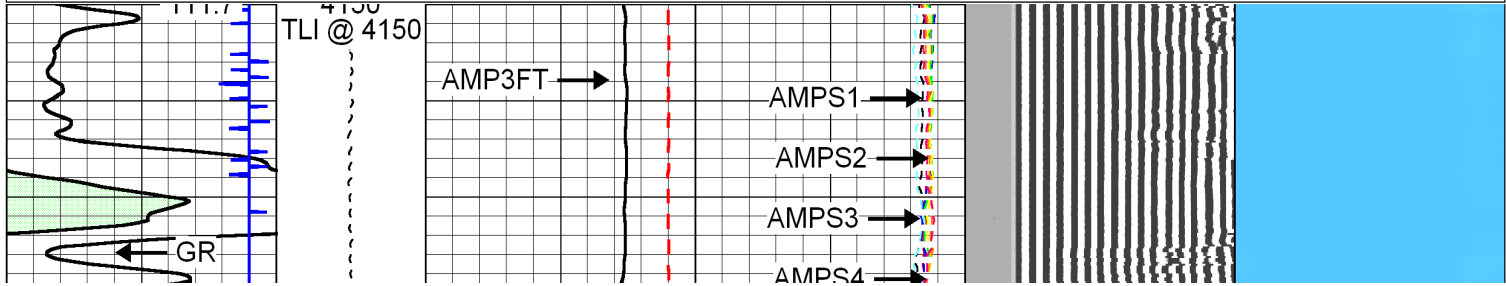
MAIN PASS

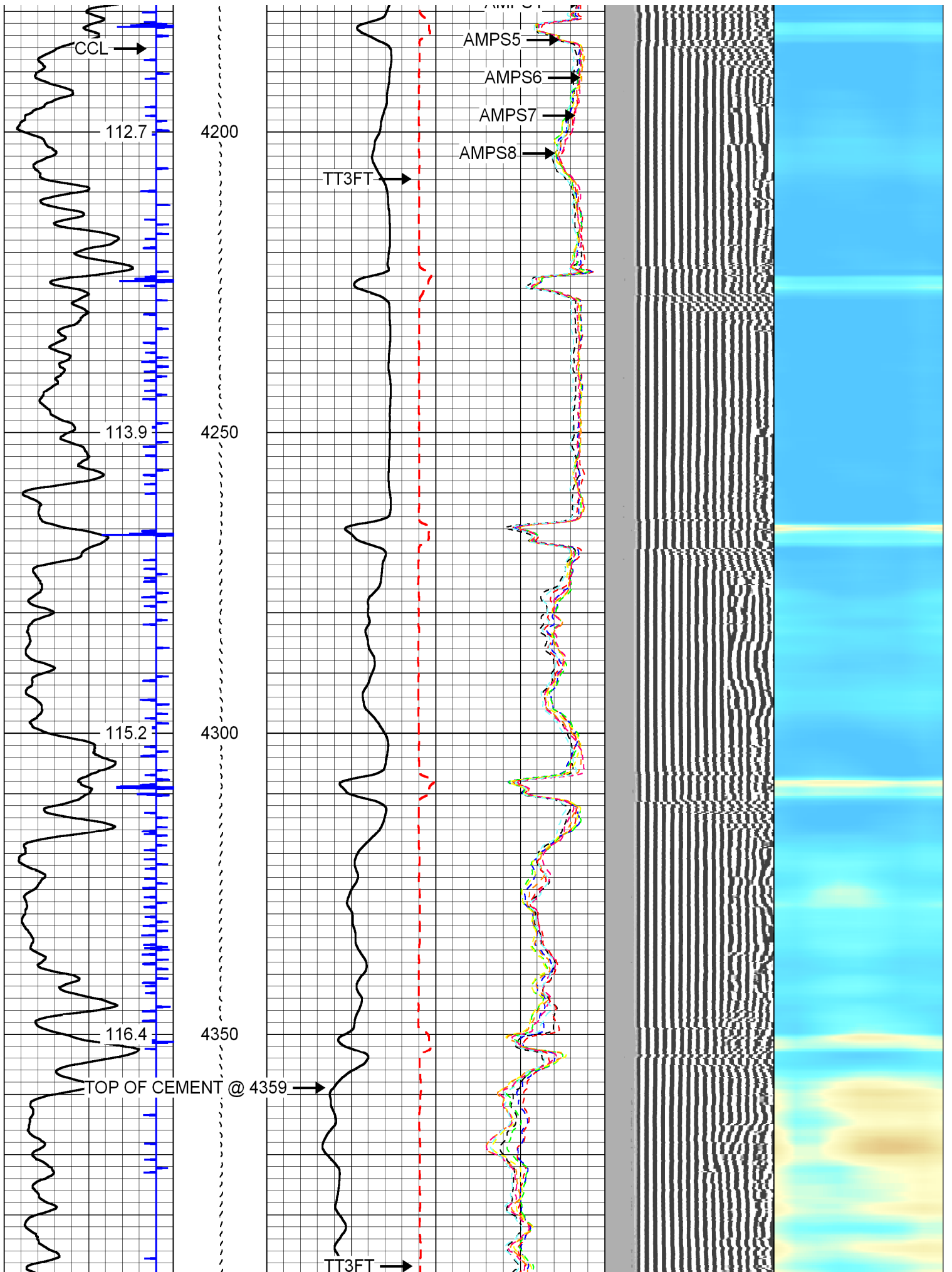
HALLIBURTON

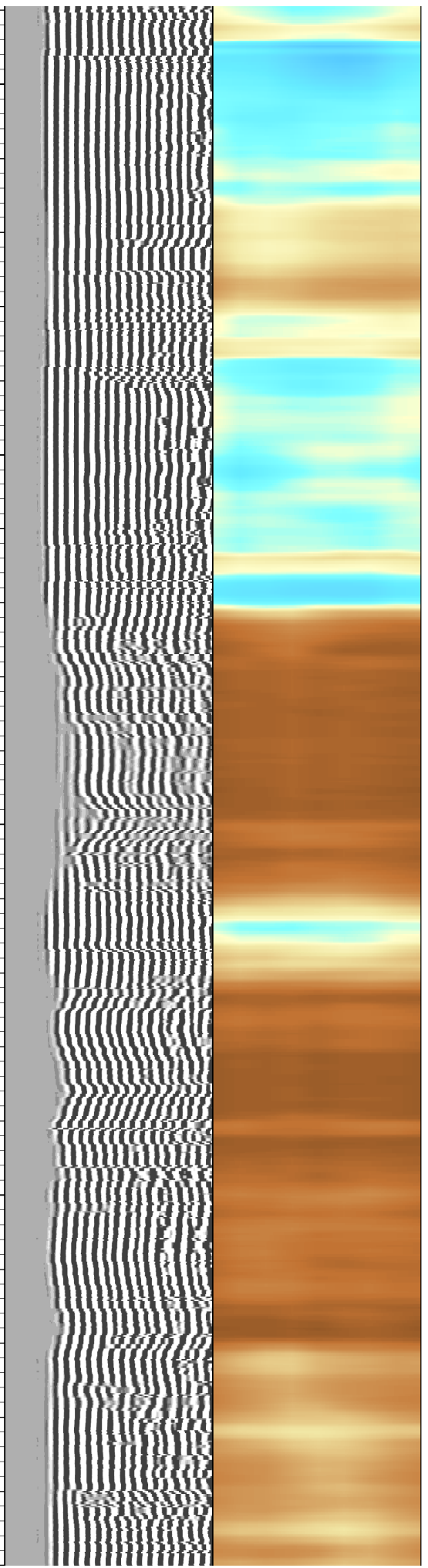
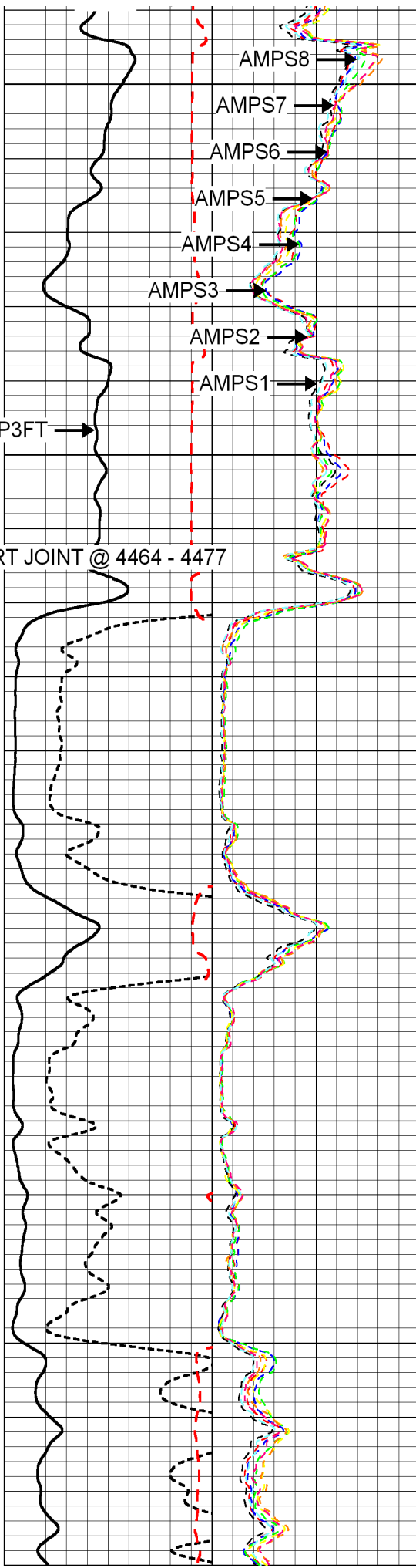
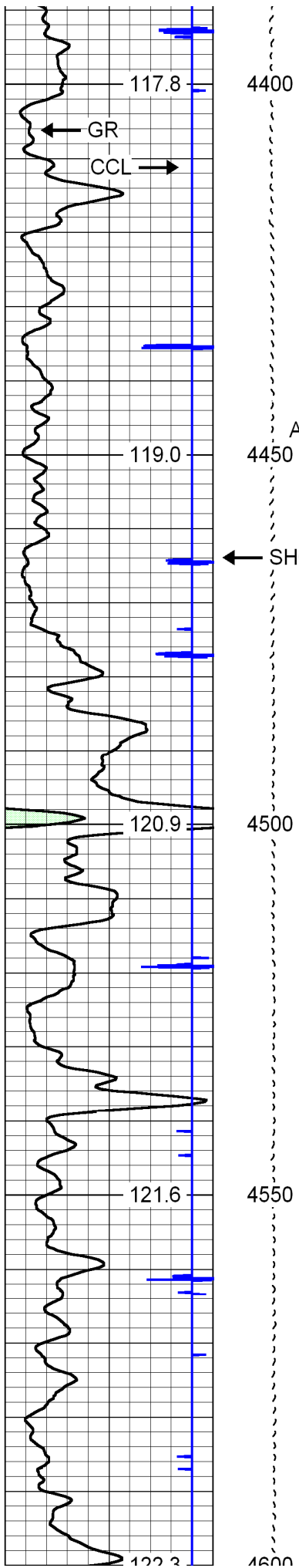
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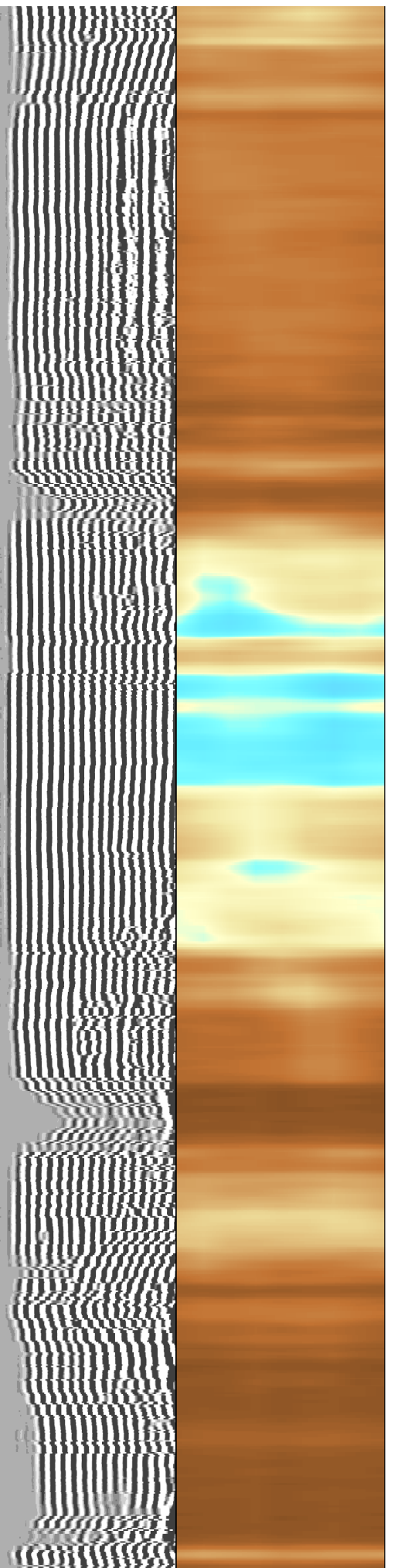
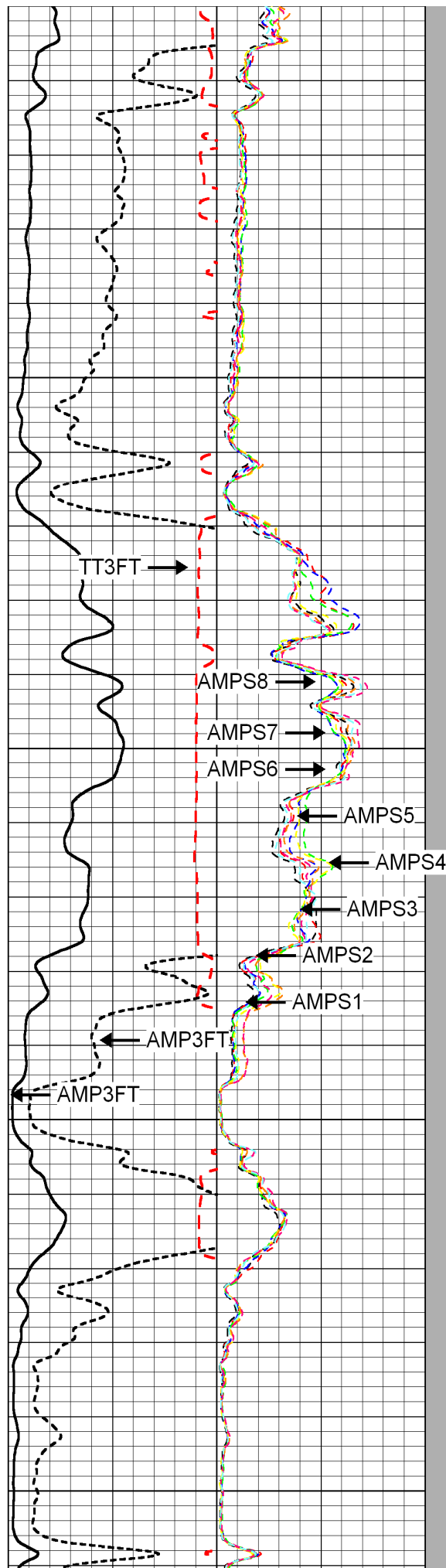
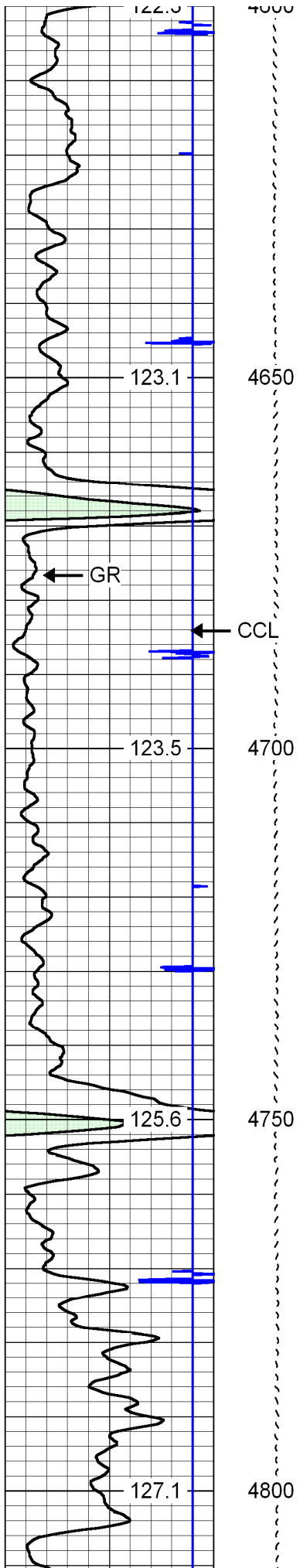
Database File: cimarex_hammer_19_3.db
 Dataset Pathname: pass9
 Presentation Format: rcbltemp
 Dataset Creation: Fri Jul 05 11:13:45 2013 by Log Halliburton Casedho
 Charted by: Depth in Feet scaled 1:240

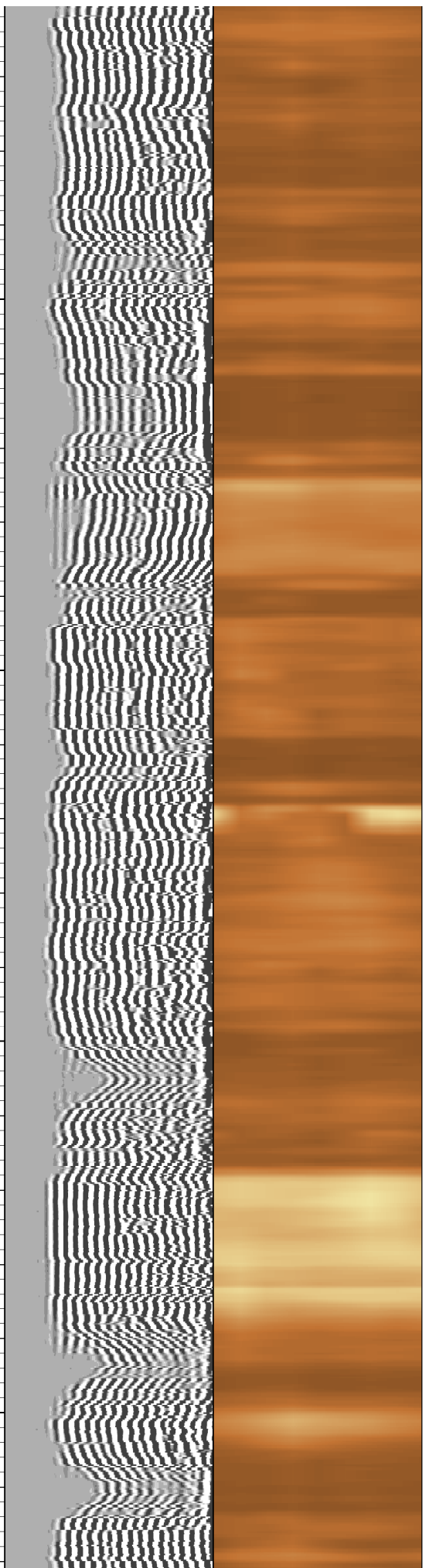
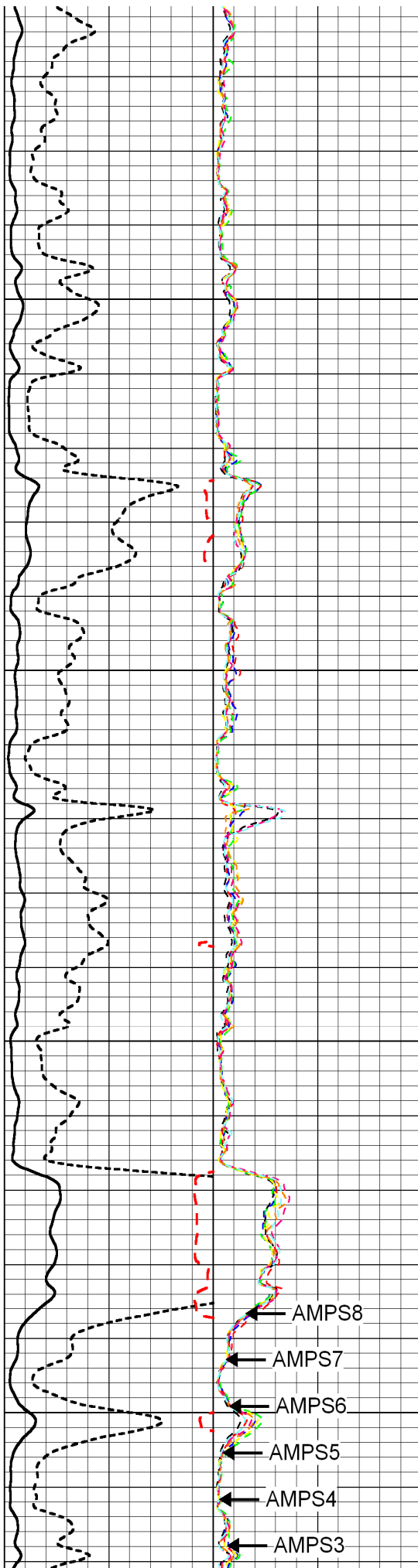
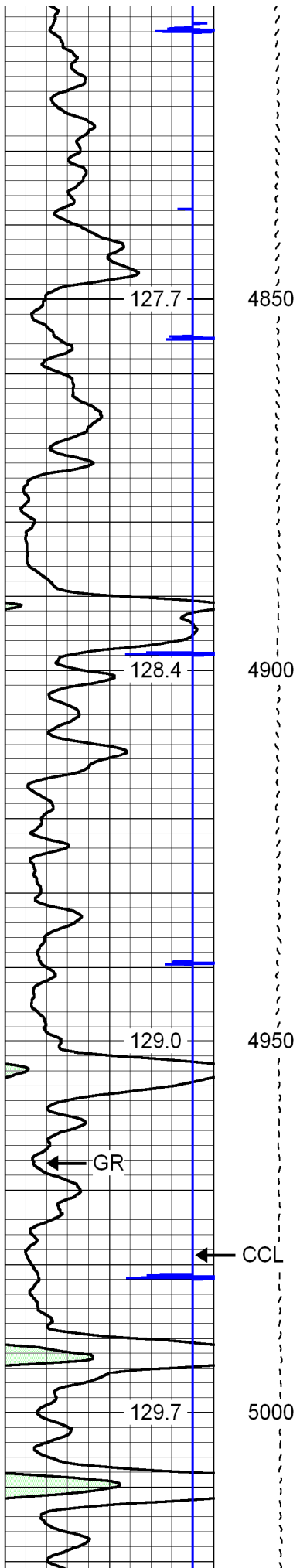
GAMMA RAY	LTEN	0 AMP (mV) 100	0 AMPS1 120	200	MSG 1200	1	SECTORS 8
0 (GAPI) 150	(lb)	0 AAMP (mV) 20	0 AMPS2 120			0	100
2.25 CCL -0.25	0 2000	177 TT (usec) 277	0 AMPS3 120				
TEMP (degF)			0 AMPS4 120				
			0 AMPS5 120				
			0 AMPS6 120				
			0 AMPS7 120				
			0 AMPS8 120				

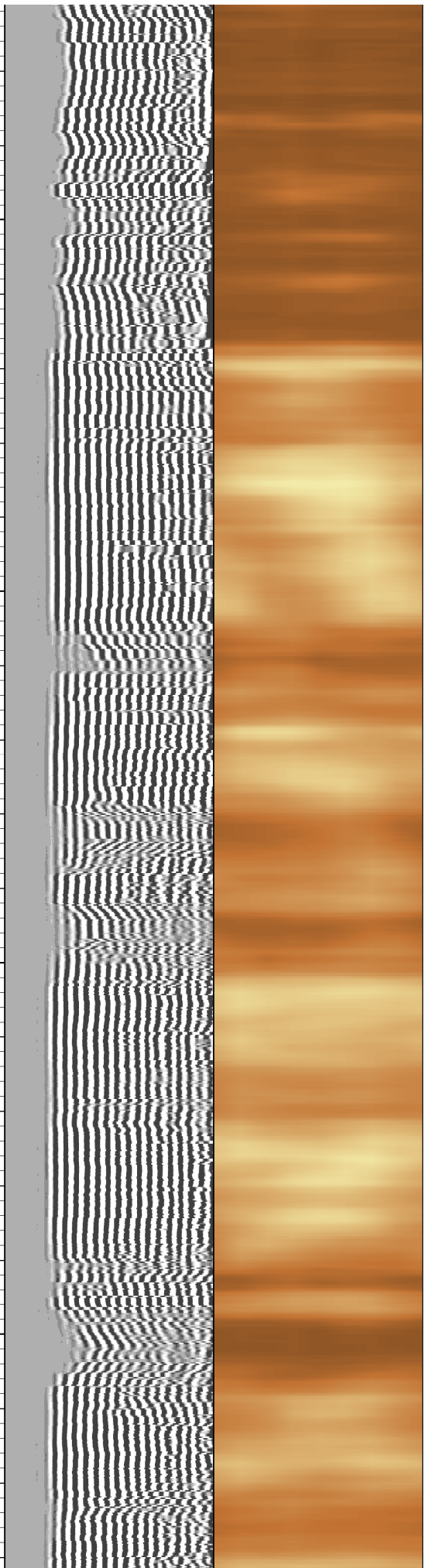
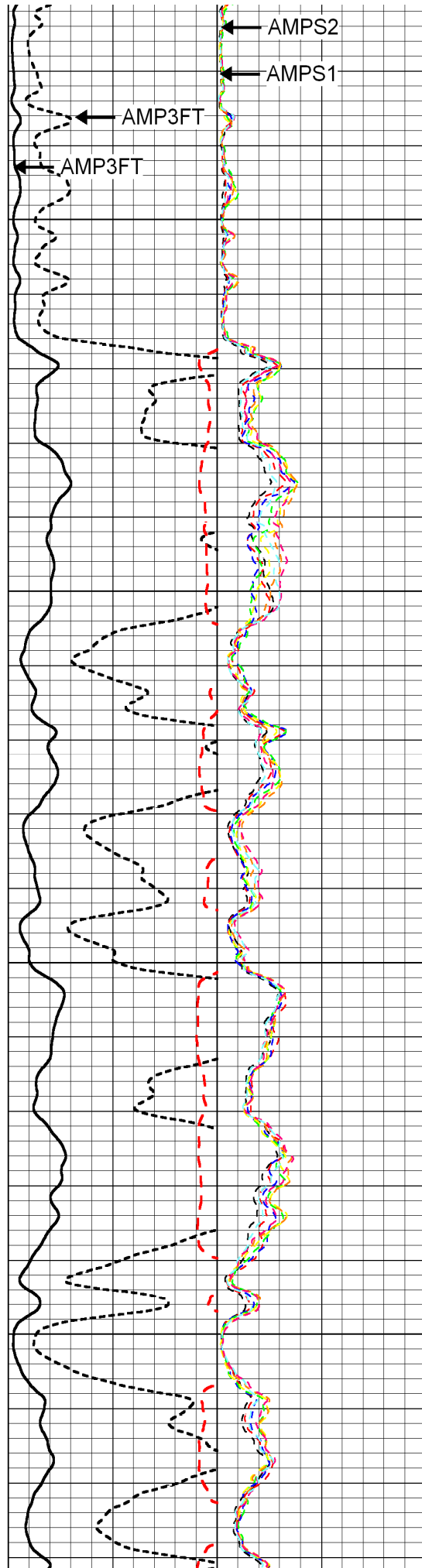
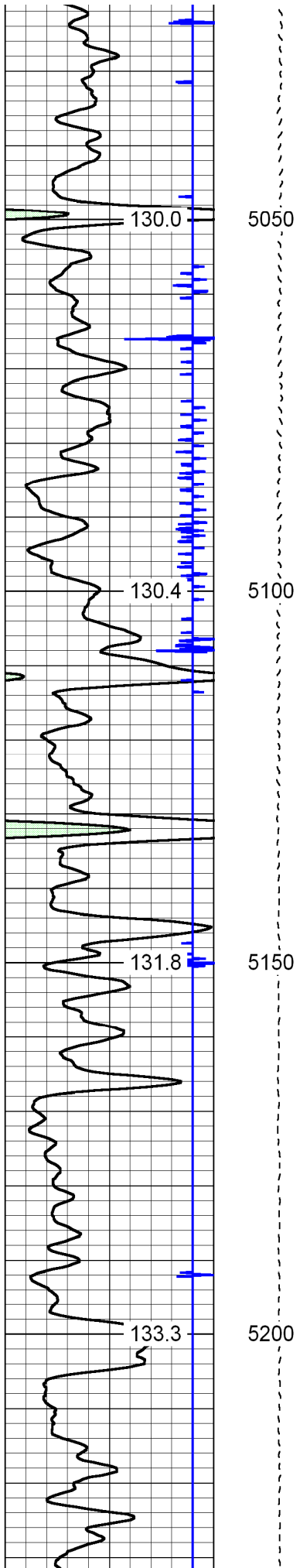


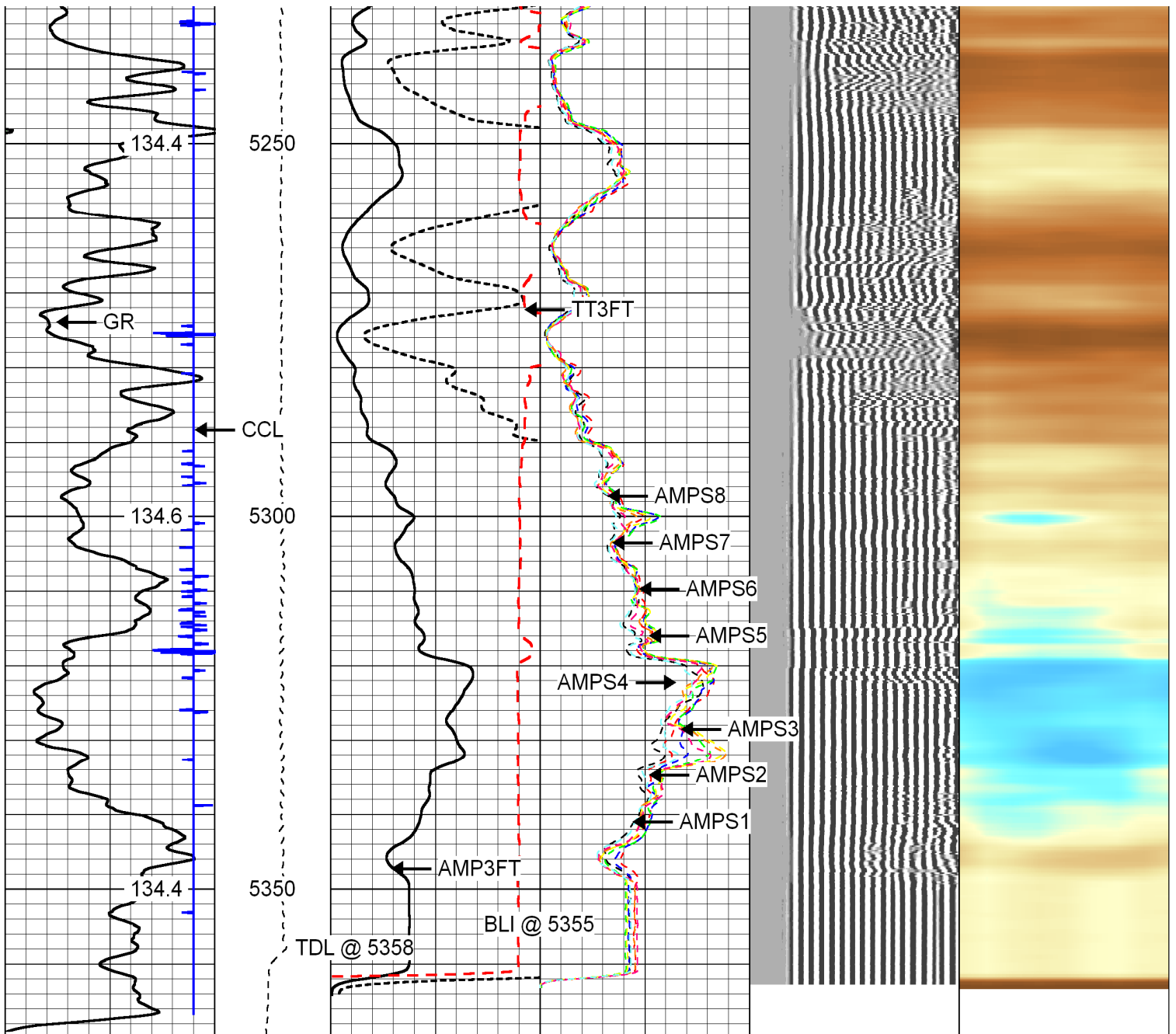












GAMMA RAY		LTEN	0	AMP (mV)	100	0	AMPS1	120	200	MSG	1200	1	SECTORS	8
0	(GAPI)		150	0	AAMP (mV)	20	0	AMPS2	120			0		100
2.25	CCL	-0.25	0	177	TT (usec)	277	0	AMPS3	120					
	TEMP						0	AMPS4	120					
	(degF)						0	AMPS5	120					
							0	AMPS6	120					
							0	AMPS7	120					
							0	AMPS8	120					

MAIN PASS

HALLIBURTON

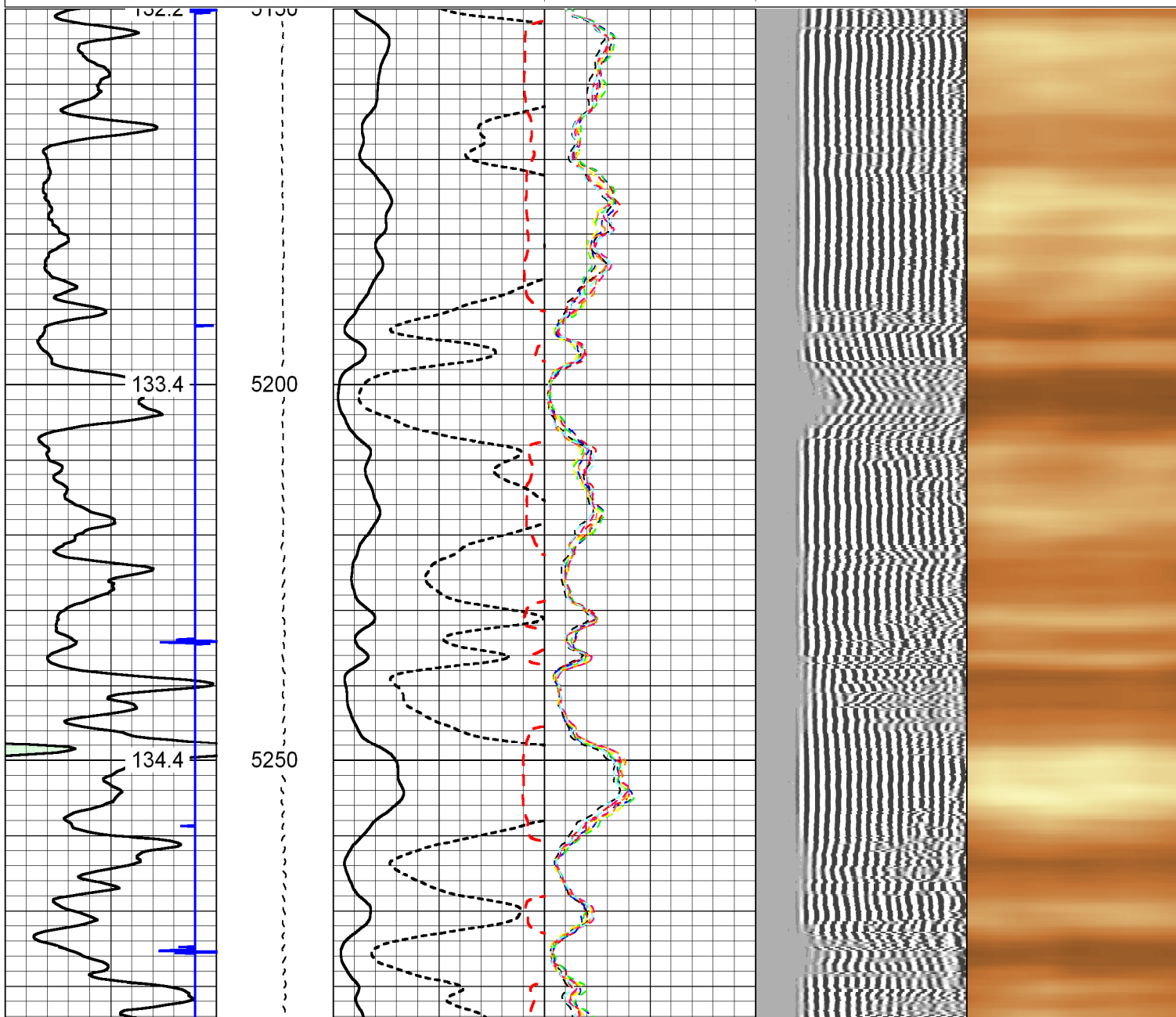
SCALE 1:240

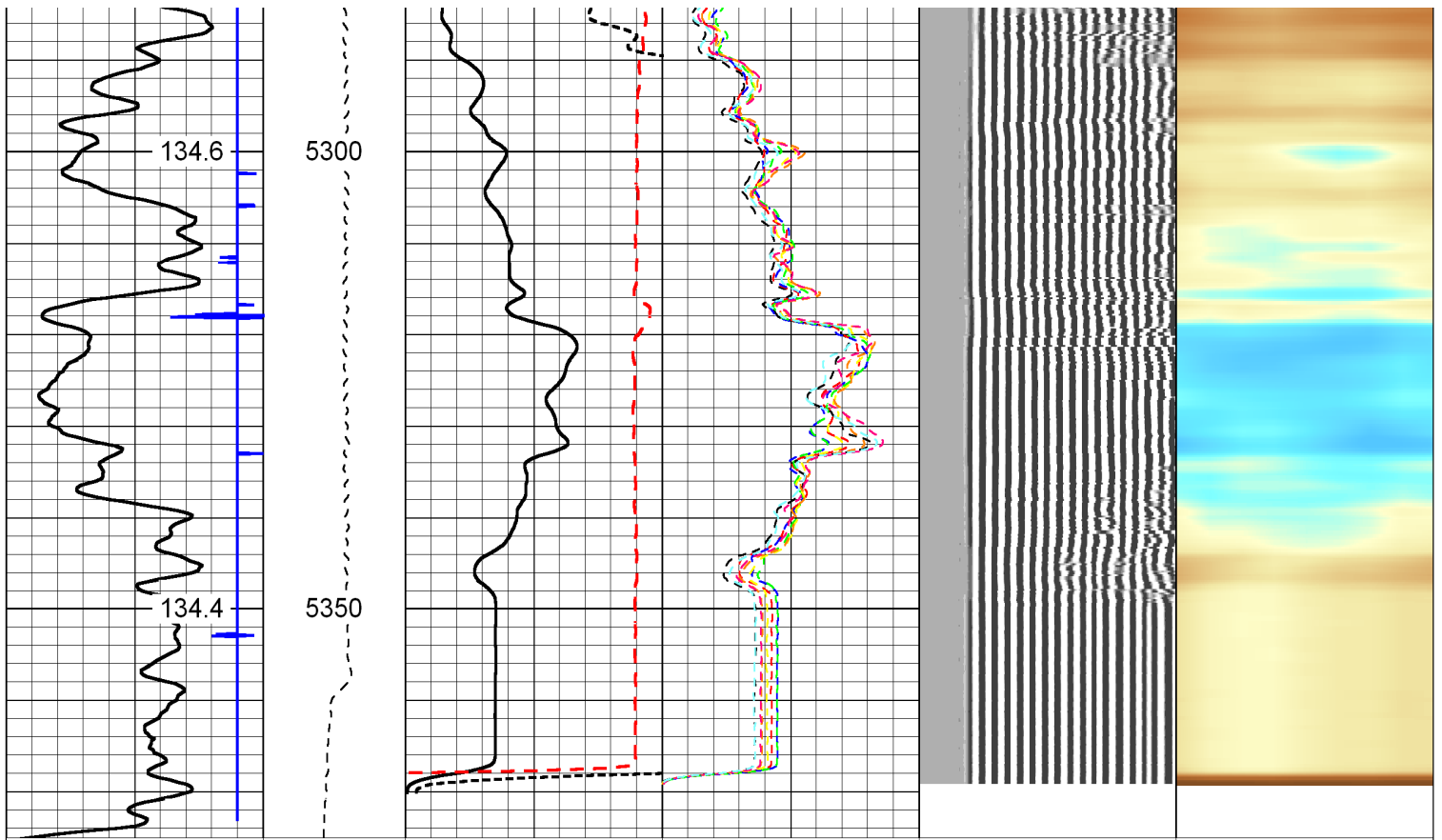
REPEAT PASS

SCALE 1:240

Database File: cimarex_hammer_19_3.db
 Dataset Pathname: pass8
 Presentation Format: rcbtemp
 Dataset Creation: Fri Jul 05 11:05:49 2013 by Log Halliburton Casedho
 Charted by: Depth in Feet scaled 1:240

GAMMA RAY		LTEN	0 AMP (mV) 100	0 AMPS1 120	200	MSG	1200	1 SECTORS	8
0 (GAPI) 150		(lb)	0 AAMP (mV) 20	0 AMPS2 120				0	100
2.25 CCL -0.25	0	2000	177 TT (usec) 277	0 AMPS3 120					
TEMP (degF)				0 AMPS4 120					
				0 AMPS5 120					
				0 AMPS6 120					
				0 AMPS7 120					
				0 AMPS8 120					





GAMMA RAY 0 (GAPI) 150	LTEN (lb)	0 AMP (mV) 100	0 AMPS1 120	200 MSG 1200	1 SECTORS 8
2.25 CCL -0.25	0 2000	0 AAMP (mV) 20	0 AMPS2 120	0	100
TEMP (degF)		177 TT (usec) 277	0 AMPS3 120		
			0 AMPS4 120		
			0 AMPS5 120		
			0 AMPS6 120		
			0 AMPS7 120		
			0 AMPS8 120		

REPEAT PASS

HALLIBURTON

SCALE 1:240

FREE PIPE PASS

HALLIBURTON

SCALE 1:240

Database File: cimarex_hammer_19_3.db
 Dataset Pathname: pass5
 Presentation Format: rcbtemp
 Dataset Creation: Fri Jul 05 10:44:32 2013 by Log Halliburton Casedho
 Charted by: Depth in Feet scaled 1:240

GAMMA RAY 0 (GAPI) 150	LTEN (lb)	0 AMP (mV) 100	0 AMPS1 120	200 MSG 1200	1 SECTORS 8
2.25 CCL -0.25	0 2000	0 AAMP (mV) 20	0 AMPS2 120	0	100
		177 TT (usec) 277	0 AMPS3 120		

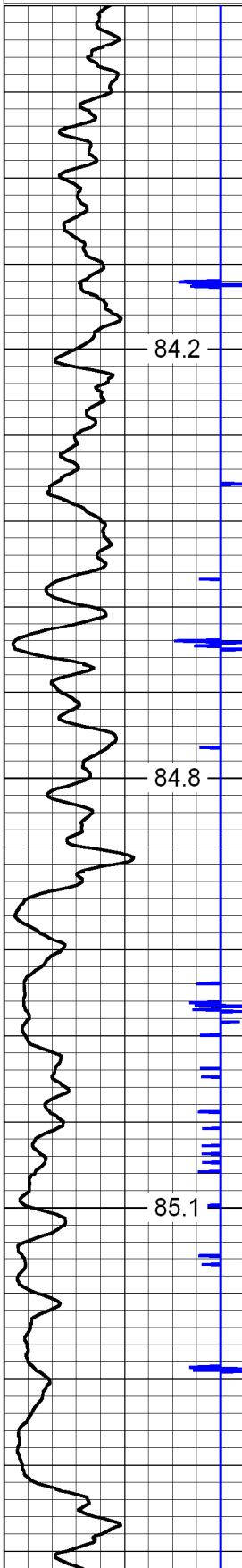
2.20 00L 0.20

177 11 (000) 277 0

7 AMPS 120

TEMP
(degF)

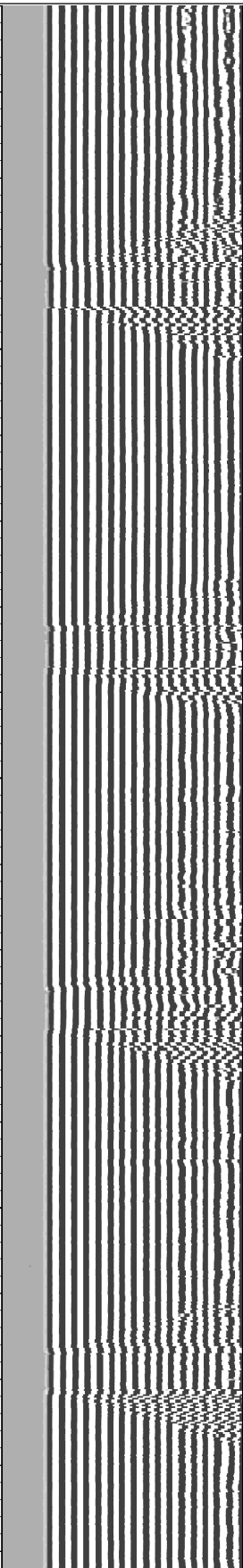
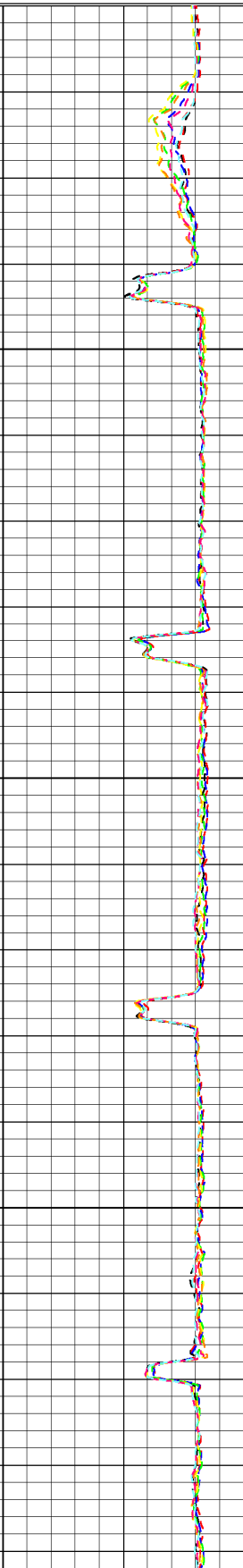
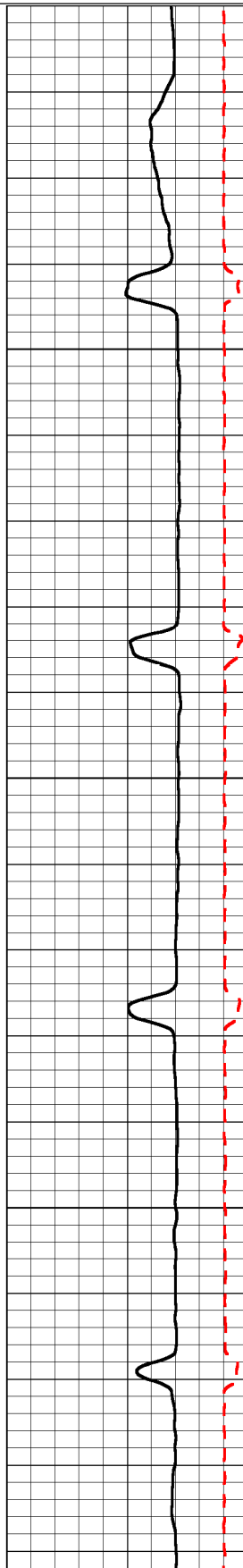
0	AMPS4	120
0	AMPS5	120
0	AMPS6	120
0	AMPS7	120
0	AMPS8	120

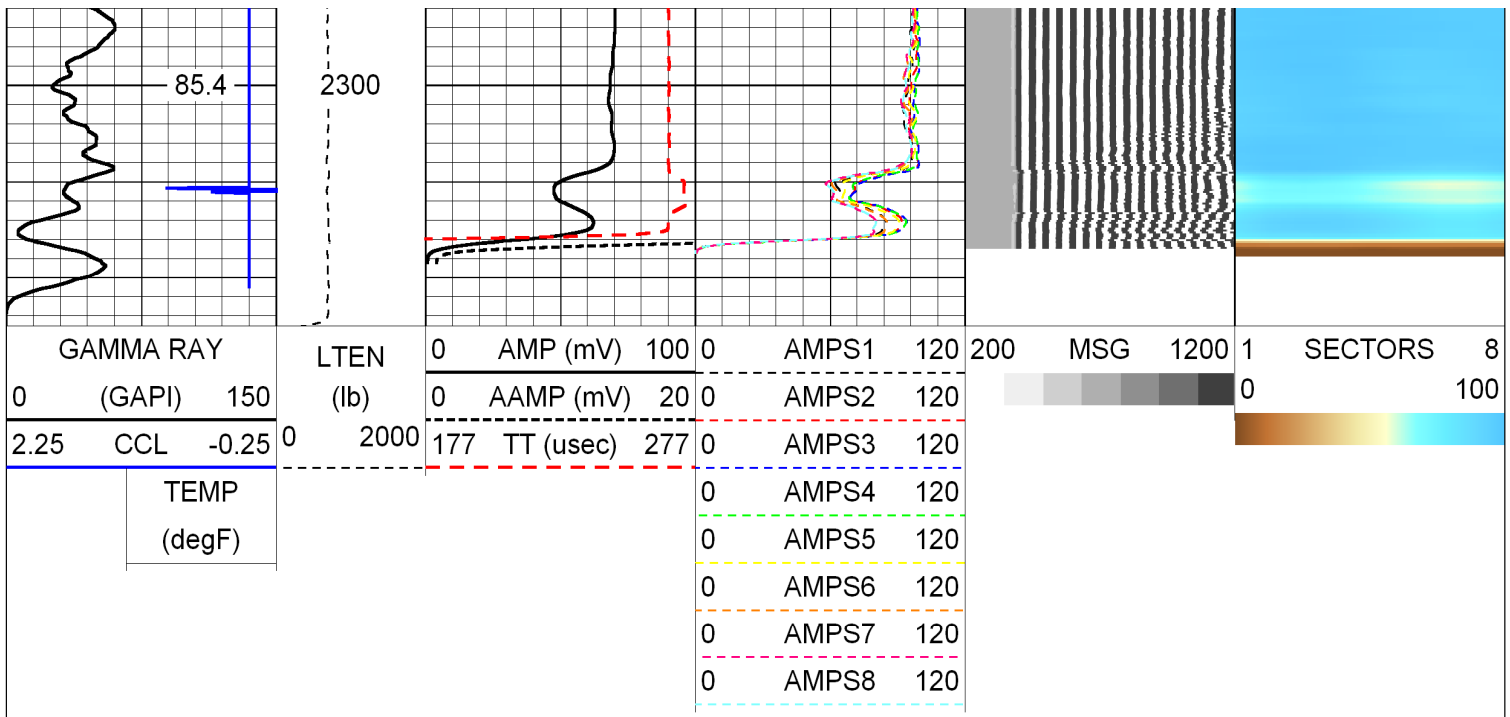


2150

2200

2250





FREE PIPE PASS

HALLIBURTON

SCALE 1:240

Log Variables

Database: C:\Warrior\Data\cimarex_hammer_19_3.db
Dataset: field/well/run1/pass9

Top - Bottom

PPT usec 0	CASEWGHT lb/ft 15.5	MAXAMPL mV 72	MINAMPL mV 0.5	MINATTN db/ft 0.8	CASEOD in 5.5	PERFS 0
TDEPTH ft 5689	BOTTEMP degF 100	BITSIZE in 7.875				

Calibration Report

Database File: cimarex_hammer_19_3.db
Dataset Pathname: pass9
Dataset Creation: Fri Jul 05 11:13:45 2013 by Log Halliburton Casedho

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 060633

SHOP CALIBRATION

Mon Feb 06 17:04:00 2012

	Counts/Sec.	Gain	Offset	Jig	Units
Background	39.7				cps
Calibrator	244.1				cps
		1.2967			GAPI/cps

PRIMARY VERIFICATION

Mon Feb 06 17:07:17 2012

Background	52.3		cps
Calibrator	314.3		cps
Difference		262.0	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

Segmented Cement Bond Log Calibration Report

Serial Number:	080454		
Tool Model:	Probe		
Calibration Casing Diameter:	5.500	in	
Calibration Depth:	2170.422	ft	

Master Calibration, performed Fri Jul 05 10:43:18 2013:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.003	0.560	0.500	71.921	126.921	0.830
CAL	0.678	0.678				
5'	0.004	0.566	0.500	71.921	126.973	0.007
SUM						
S1	0.001	0.564	0.000	100.000	177.500	-0.119
S2	-0.004	0.631	0.000	100.000	157.678	0.554
S3	-0.003	0.594	0.000	100.000	167.512	0.501
S4	-0.005	0.534	0.000	100.000	185.667	0.873
S5	0.000	0.525	0.000	100.000	190.622	-0.084
S6	-0.002	0.551	0.000	100.000	180.699	0.357
S7	-0.004	0.576	0.000	100.000	172.420	0.739
S8	-0.000	0.499	0.000	100.000	200.411	0.007

Internal Reference Calibration, performed Wed Dec 31 18:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.678	0.678	1.000	0.000

Air Zero Calibration, performed Wed Dec 31 18:00:00 1969:

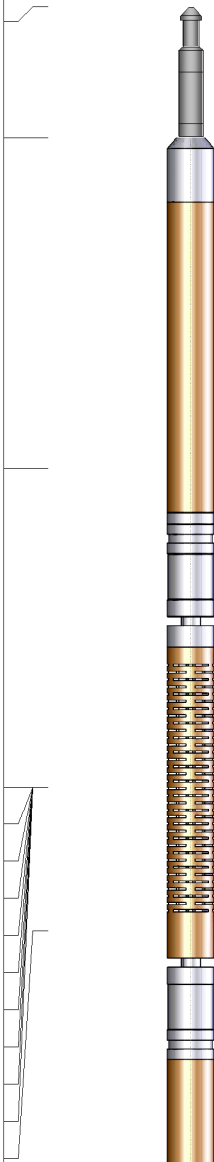
	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			

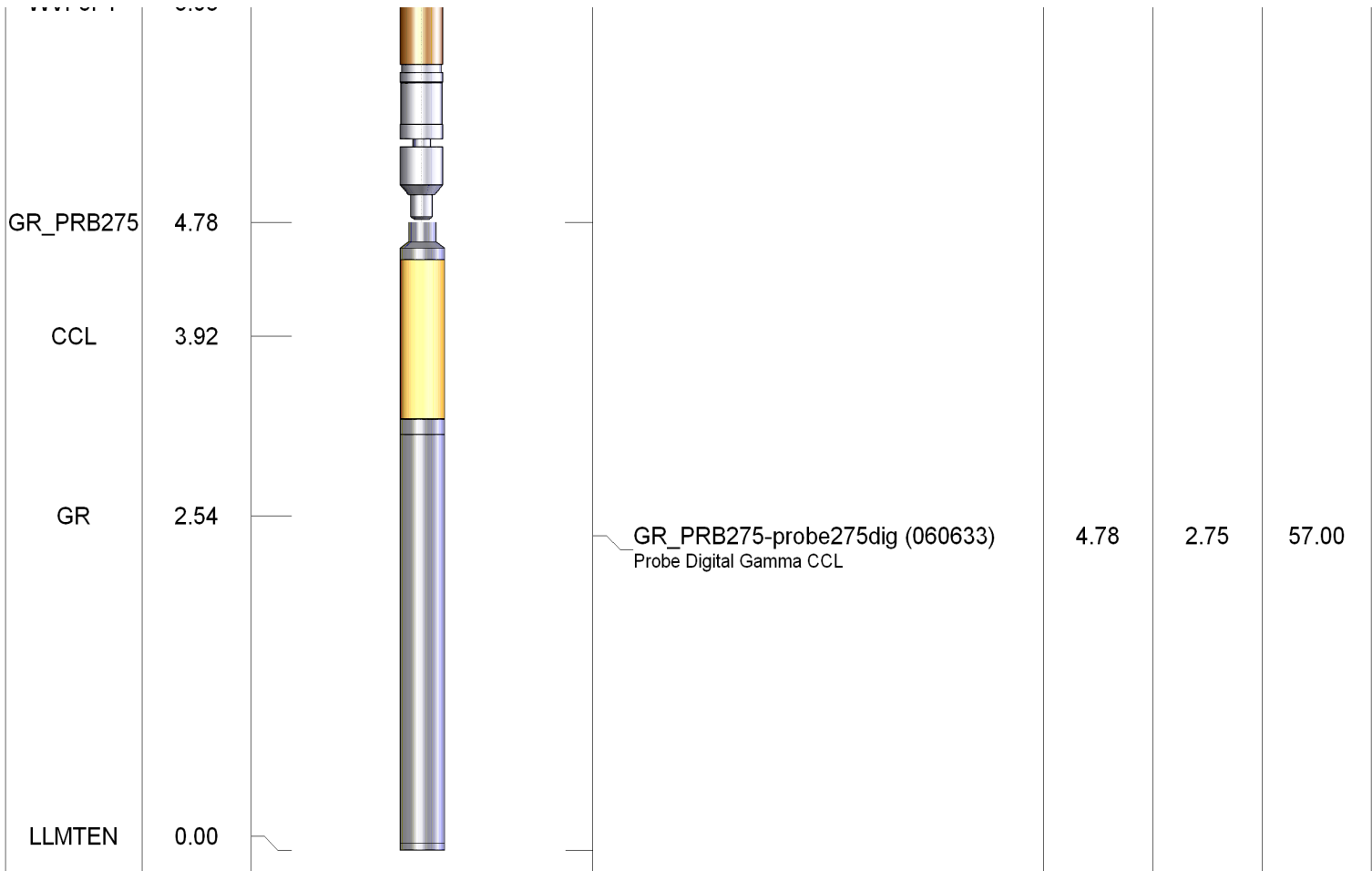
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Temperature Calibration Report

Serial Number: 080454
 Tool Model: Probe
 Performed: Fri Feb 17 14:23:20 2012

	Reference	Reading
Low Reference:	0.00 degF	0.00 degF
High Reference:	1.00 degF	1.00 degF
Gain:	1.00	
Offset:	-16.00	
Delta Spacing	1	

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
STNDCH	14.45		STND_CH 1.4375 IN CABLE HEAD	0.92	1.44	1.00
RBT_PRB275	13.53					
TEMP	11.24					
WV3FT	9.03		RBT_PRB275-Probe (080454) Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
WVFCAL	9.03					
WVFS1	9.03					
WVFS2	9.03					
WVFS3	9.03					
WVFS4	9.03					
WVFS5	9.03					
WVFS6	9.03					
WVFS7	9.03					
WVFS8	9.03					
WV5FT	8.03					



Dataset: cimarex_hammer_19_3.db: field/well/run1/pass9
 Total Length: 14.45 ft
 Total Weight: 148.00 lb
 O.D.: 2.75 in

Company **CIMAREX ENERGY**
 Well **HAMMER 19-3**
 Field **WILDCAT**
 County **HASKELL**

State **KANSAS**

HALLIBURTON

RADIAL CEMENT BOND LOG

SCALE 1:240



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET
1717 04437 A

DATE _____ TICKET NO. _____

DATE OF JOB 6/28/13	DISTRICT 1717	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER Cimarex		LEASE Hammer		19-3		WELL NO.	
ADDRESS		COUNTY Haskell		STATE KS			
CITY		STATE		SERVICE CREW Sam, Cesar			
AUTHORIZED BY Tyci		JRB		JOB TYPE: 5/2 242			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE
78939	5.5						AM 9:30
3922339926	5.5					ARRIVED AT JOB	AM 1:30
3811719863	5.5					START OPERATION	AM 5:53
						FINISH OPERATION	AM 6:49
						RELEASED	AM 7:00
						MILES FROM STATION TO WELL	30

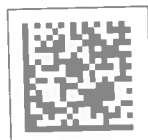
CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *Kevin R. Martin*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL105	AA-2 Cement	SK	300		5460 00
CL113	Gypsum	Lb	1410		1057 50
CC111	Salt	Lb	1660		830 00
CC103	C-15	Lb	170		2125 00
CC107	C-42P	Lb	71		568 00
CC201	Gilsonite	Lb	1500		1005 00
CF1251	Auto fill float shoe	EA	1		360 00
CF607	Latchdown P+B	EA	1		400 00
CF4452	Centralizers	EA	19		1425 00
CF3000	Threadlock	EA	2		68 00
CC155	Super flush II	EA	500		765 00
E101	Heavy Equip Mileage	Mi	60		420 00
CE240	Blending & Mixing Charge	SK	300		420 00
E113	Bulk Delivery Charge	TM	423		676 50
CF206	Depth Charge 1500l to 6000l	4hr	1		2880 00
E100	Pickup Mileage	Mi	30		127 50
CE504	Plug Container	EA	1		250 00
5003	Service Supervisor	EA	1		175 00
TI05	Cement Data	EA	1		550 00

CHEMICAL / ACID DATA:			



DRILLING: Mid-Continent

Property#/Name: **157817-376 Hammer 19-3**

Bill Cat: **DIRC:155** AFE#: **413002**

Desc.: **Cement Casing**

6-29- **13136.12**

Approval: *Kevin R. Martin*

TOTAL **13136.12**

TOTAL

SERVICE REPRESENTATIVE *Chad Hinz*

FIELD SERVICE ORDER NO.

TOR OR AGENT)

Customer Cimarex	Lease No.	Date 6/29/13
Legal HAMMER	Well # 19-3	Service Receipt
Casing 5 1/2	Depth	County Haskell State Ks
Job Type L.S.	Formation	Legal Description 19-30-3

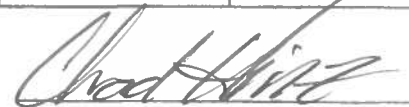
Pipe Data		Perforating Data		Cement Data
Casing size 5 1/2	Tubing Size	Shots/Ft		Lead 300 SX AA-2
Depth 5751.49 + 15'	Depth	From	To	@ 14.5#
Volume 135.8	Volume	From	To	1.51
Max Press 2500	Max Press	From	To	6.64
Well Connection P.C.	Annulus Vol.	From	To	Tail in
Plug Depth	Packer Depth	From	To	

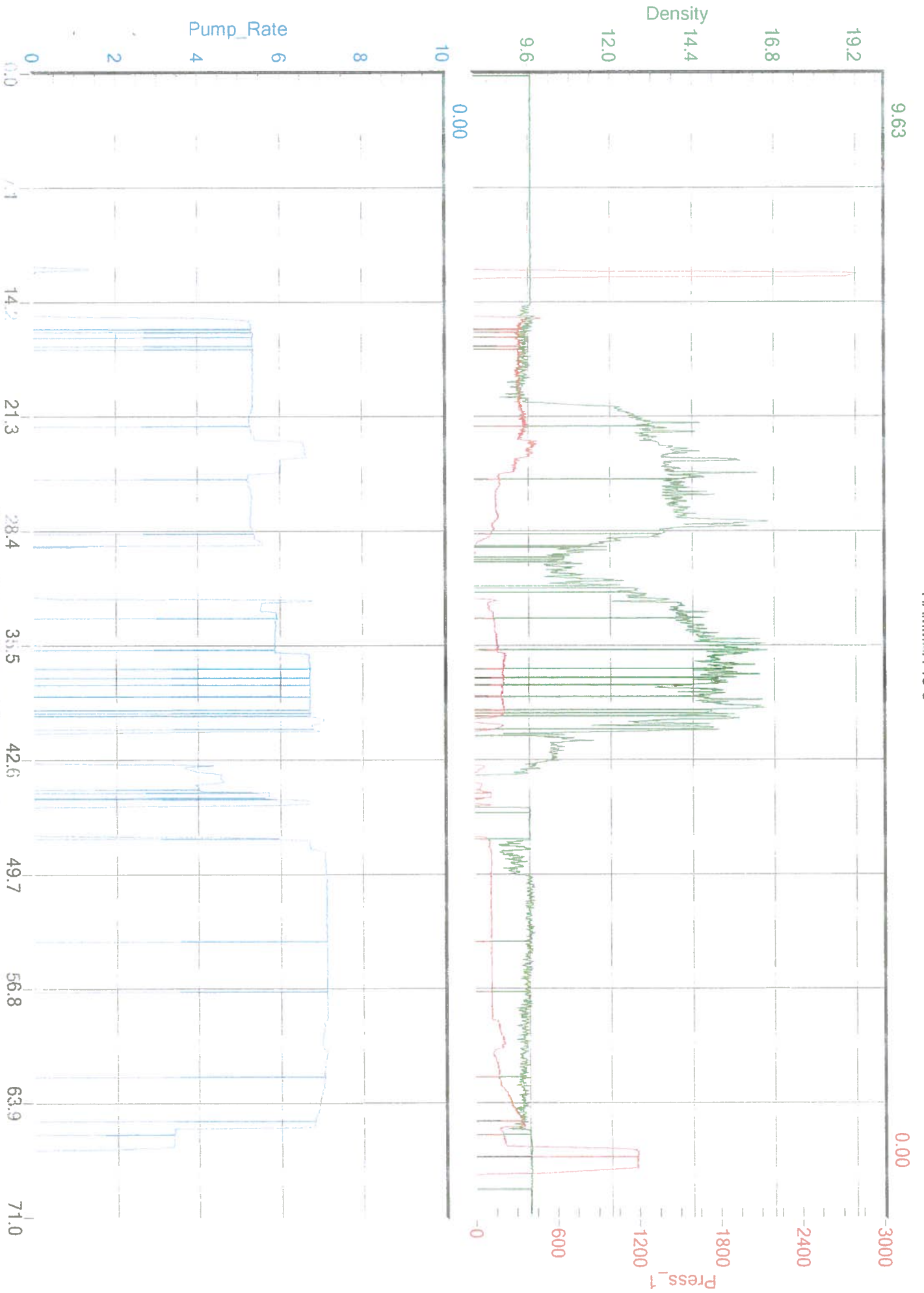
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
13:30					on loc, spot + R.V., Safety only
17:53	3000				Test Lines
17:54	360		12	5.3	Pump Super flush
18:00	350		5	5	H2O
18:03	340		0	5	Start Mixing @ 12# scavenger
18:06	360		12	5	Bring up # to 14.5#
18:22	0		74	0	Finished mixing, Drop Plug, Washup
18:29	110		0	7	Start Dip
18:46	260		126	3	Slow Rate
18:49	1190#		136	0	Plug Down
18:51	0				Release PSI, Float held
					Job Complete

Service Units	78939	3920339926	381719853
Driver Names	CHINEZ	Sam E.	C. Garcia


Customer Representative


Station Manager


Cementer





BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
P.O. Box 129
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET
1717 03990 A

DATE _____ TICKET NO. _____

DATE OF JOB 6-23-13 DISTRICT 1717		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER Cimarex		LEASE Hammer		19-3 WELL NO.					
ADDRESS		COUNTY Haskell		STATE Ks					
CITY STATE		SERVICE CREW Juan, Hector R, Hector E, Norma Dancel							
AUTHORIZED BY Jerry Bennett JRB		JOB TYPE: 2-42 Surface							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
39878	8	14354	8						4:30
38750		14578				ARRIVED AT JOB			5:30
19842	-	38117	-			START OPERATION			7:23
19827	-	19883	-			FINISH OPERATION			9:58
37547						RELEASED			11:08
						MILES FROM STATION TO WELL	30		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: Kevin R. Monte
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
C1101	A-Con Blend	✓ sks	430		7998.00
C1110	Premium Plus Cement	✓ sks	385		6275.50
C109	Calcium Chloride	✓ lb	1439		2035.95
C102	Celloflote	✓ lb	204		754.80
C130	C-51	✓ lb	81		2025.00
CF263	Guideshoe 8 5/8	✓ ea	1		380.00
CF1453	Flaper type Insert	✓ ea	1		280.00
CF4405	Examizer Hinged	✓ ea	9		725.00
CF4556	Cement Basket	✓ ea	1		1050.00
CF105	Top Rubber Plug 8 5/8	✓ ea	1		225.00
CS3000	Tread Lock	✓ ea	2		64.00
CE301	Heavy Equipment Mileage	mi	120		840.00
CE240	Mixing Service Charge	sks	815		1141.00
E113	Bulk Delivery Charge	fm	1151		1840.80
CE202	Depth 1001-2000	4hrs	1		1500.00
CE504	Plug Container	job	1		250.00
E100	Unit Mileage	mi	30		127.50
S003	Service Supervisor	ea	1		175.00
C1503	High Head Charge	ea	1		300.00
SUB TOTAL					18464.30

CHEMICAL / ACID DATA:			



DRILLING: Mid-Continent

Completion:

Property#/Name: **15817-376 / Hammer 19-3**

Bill Cat.: **D100:185** AFE#: **413002**

Desc.: **Cement Surface Csg.**

6-23-13 # **16421.30**

Approval:

Kevin R. Monte

SERVICE REPRESENTATIVE Juan

FIELD SERVICE ORDER NO.

TOTAL

TRACTOR OR AGENT)



Cement Report

Customer Cimarex		Lease No.		Date 6-23-13				
Lease Hammer		Well # 19-3		Service Receipt				
Casing 8 5/8	Depth 1877	County Haskell		State Ks				
Job Type 2-42		Formation		Legal Description Sec 14-T-38-R-31				
Pipe Data			Perforating Data			Cement Data		
Casing size 8 5/8	Tubing Size		Shots/Ft			Lead yield 2.40		
Depth 1857-4223	Depth		From	To		430 gal/stc 14.00		
Volume 115.35 shoe	Volume		From	To		stc		
Max Press 2000	Max Press		From	To		Dens 12.1		
Well Connection 8 5/8	Annulus Vol.		From	To		Tail in yield 1.34		
Plug Depth	Packer Depth		From	To		585 gal/stc 6.33		
						stc		
						Dens 14.8		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log			
2:30					On location			
5:30					Safety Meeting & Rig up			
7:23					Drop Ball Circulate			
8:03		2000	1	✓	Prime up Psi Test			
8:10		50	184	5.0	Start Lead Cement			
8:58		100	97	5.0	Start Tail Cement			
9:17		100			Circulator 120 bbl to pit started			
9:23					Shut Down washup Drop Plug			
9:25		250	1	4.0	Start Displacement			
9:28		300	30	4.0	Caught Cement			
9:49		500	100	2.0	Slow down Rate			
9:52		1000	115		Plug landed			
9:54		1000			Float holding			
9:58		0			Release back Float held			
Service Units		38750	19842	19827/37547	14364/14578	38117/14883	39878	
Driver Names		Heedst F		Aector R	Daniel	Norma	Juan	

Kevin

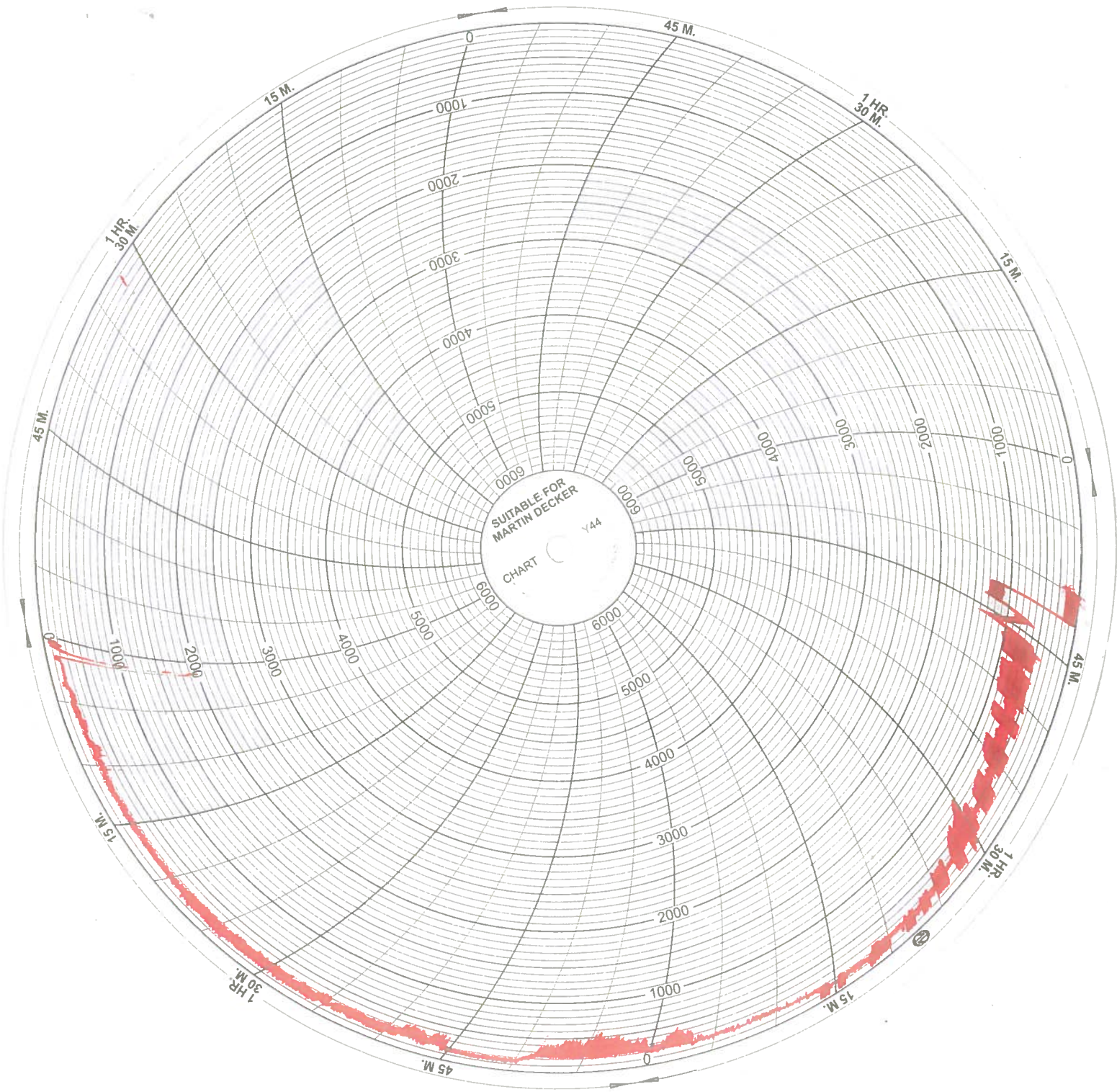
Customer Representative

Jerry Bennett

Station Manager

Juan

Cementer



Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 15, 2013

Melissa Imler
Cimarex Energy Co.
348 Rd. DD
Satanta, KS 67870

Re: ACO1
API 15-081-22011-00-00
Hammer 19-3
SE/4 Sec.19-30S-31W
Haskell County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Melissa Imler