ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY \ CCL
TEMPERATURE

Company **BILL BARRETT CORPORATION**

Well **KAUFMAN 22C - 25 - 692**

Field **MAMM CREEK**

County **GARFIELD** State **COLORADO**

Location: API # : 05-045-19654

SHL: 2182' FSL & 1633' FWL
BHL: 1805' FNL & 1980' FWL

SEC 25 TWP 6S RGE 92W

Other Services
3.75" GAUGE RING

Permanent Datum	G.L.	Elevation	5922'	
Log Measured From	K.B.	Ft Above PD	23'	
Drilling Measured From	K.B.			

Elevation
K.B. 5945'
D.F. 5944'
G.L. 5922'

Date	07 - 29 - 2011		
Run Number	ONE		
Depth Driller	7732'		
Present Depth Driller	N/A		
Depth Logger	7676'		
Bottom Logged Interval	7675'		
Top Log Interval	3200'		
Fluid Level	SURFACE		
Type Fluid	WATER		
Max. Recorded Temp.	210.8° F		
Estimated Cement Top	3838'		
Equipment Number	208		
Location	GRAND JCT.		
Recorded By	INRGAM	HANNA	
Witnessed By	MR. ETTER		

	Borehole Record			Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	8.750"	852'	5974'	9.625"	36 #	SURFACE	852'
TWO	7.880"	5974'	7732'	4.5"	11.6#	SURFACE	7732'

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

WARRIOR 7.0 SOFTWARE - Comments

NOTE: LOG WAS DEPTH CORRELATED USING WEATHERFORD OPENHOLE DATED 07 - 12 - 2011
SHORT JOINTS: 4756' - 4785' & 6345' - 6378'
MAIN PASS 5" = 100'
TEMP. PASS 2' = 100'
CSG PSI = STATIC

Calibration Report

Database File: 072911_barrett_kaufman_22c_25.db
Dataset Pathname: main/pass1.2
Dataset Creation: Fri Jul 29 14:51:16 2011 by Calc Std Casedhole 10121

Temperature Calibration Report

Serial Number: 216611
Tool Model: 016
Performed: Fri Oct 24 13:21:19 2008

Point #	Reading		Reference	
1	11136.00	cps	63.28	degF
2	17489.00	cps	104.70	degF
3	28778.00	cps	175.60	degF
4	40401.00	cps	250.00	degF
5	51742.00	cps	321.75	degF
6	57178.00	cps	355.95	degF
7		cps		degF
8		cps		degF
9		cps		degF
10		cps		degF

Gamma Ray Calibration Report

Serial Number:	217692	
Tool Model:	020	
Performed:	Wed Apr 06 13:50:00 2011	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.1000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	1123	
Tool Model:	004	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	362.104	ft

Master Calibration, performed Fri Jul 29 14:50:37 2011:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.000	0.804	1.000	81.196	99.723	1.000
5FT	-0.005	0.904	1.000	81.196	88.157	1.476
S1	0.000	0.876	0.000	100.000	114.139	-0.000
S2	0.000	0.833	0.000	100.000	119.996	-0.000
S3	0.000	0.770	0.000	100.000	129.954	-0.000
S4	-0.005	0.772	0.000	100.000	128.686	0.665
S5	0.000	0.805	0.000	100.000	124.164	-0.000
S6	0.000	0.861	0.000	100.000	116.153	-0.000
S7	0.000	0.911	0.000	100.000	109.761	-0.000
S8	0.000	0.915	0.000	100.000	109.281	-0.000

Calibration Report

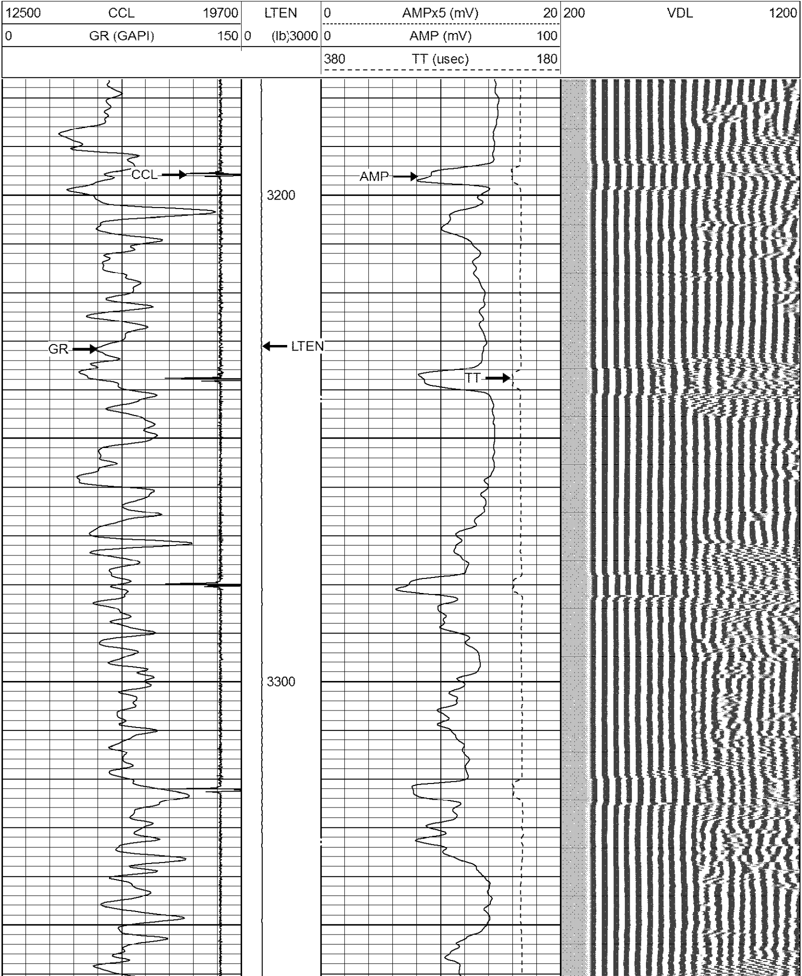
Serial Number: 1123
Tool Model: 004
Performed:

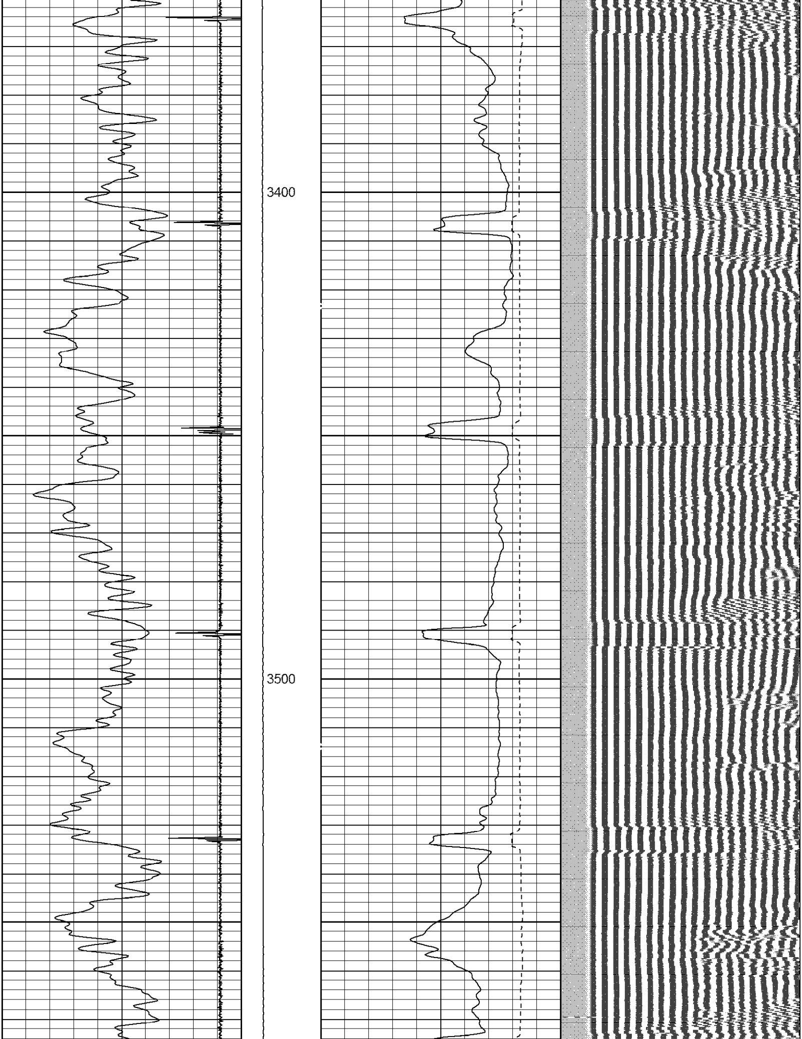
	Reference (degF)	Reading ()
Low:	0.000	0.000
High:	1.000	1.000
	Gain = 1.000	Offset= 0.000

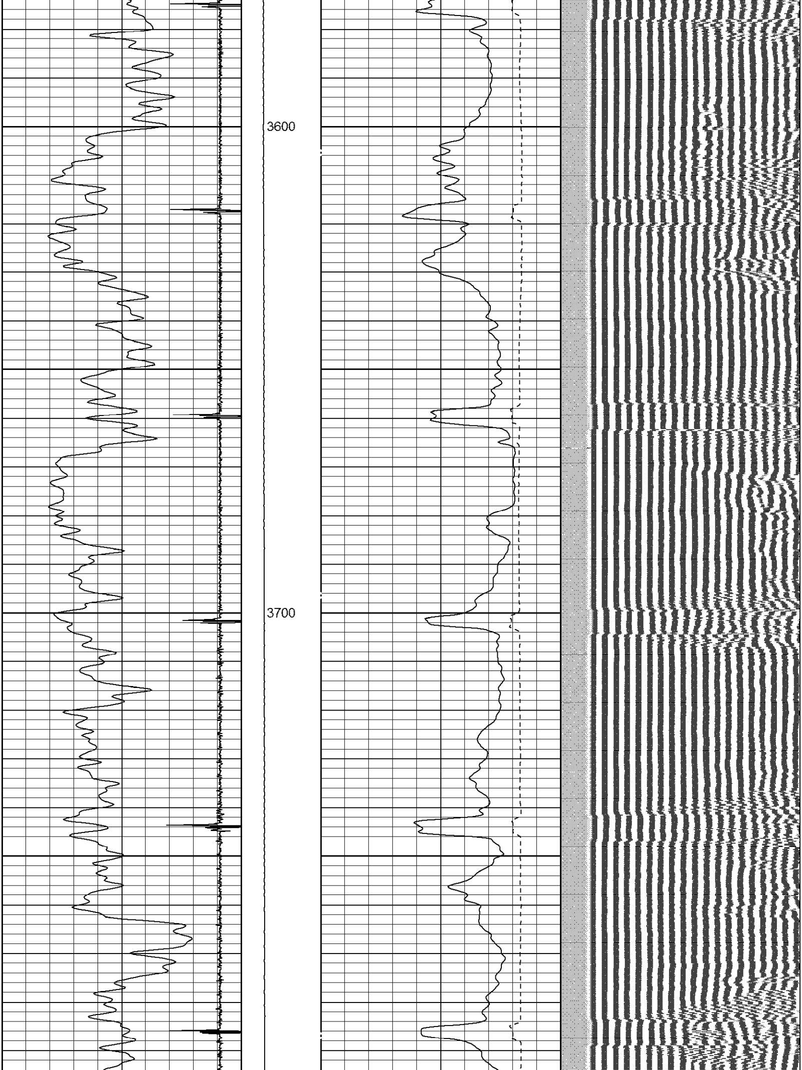
ROCKY MOUNTAIN WIRELINE SERVICE

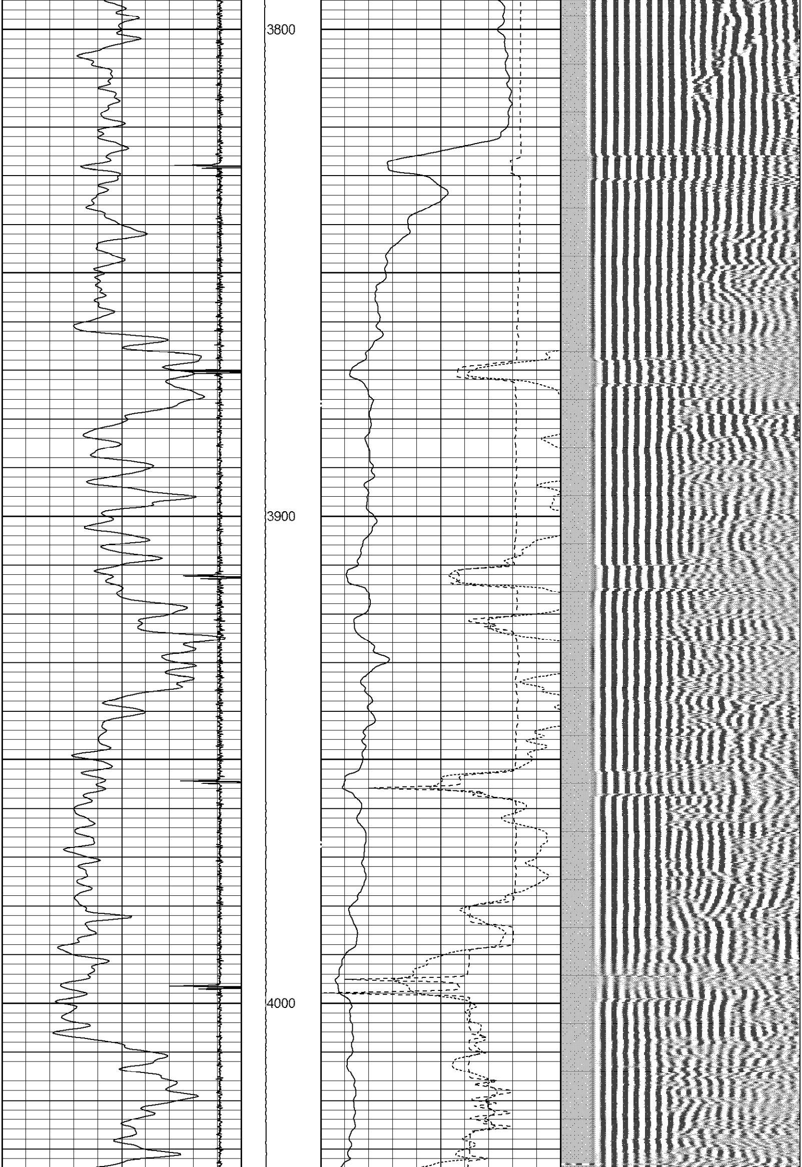
MAIN PASS

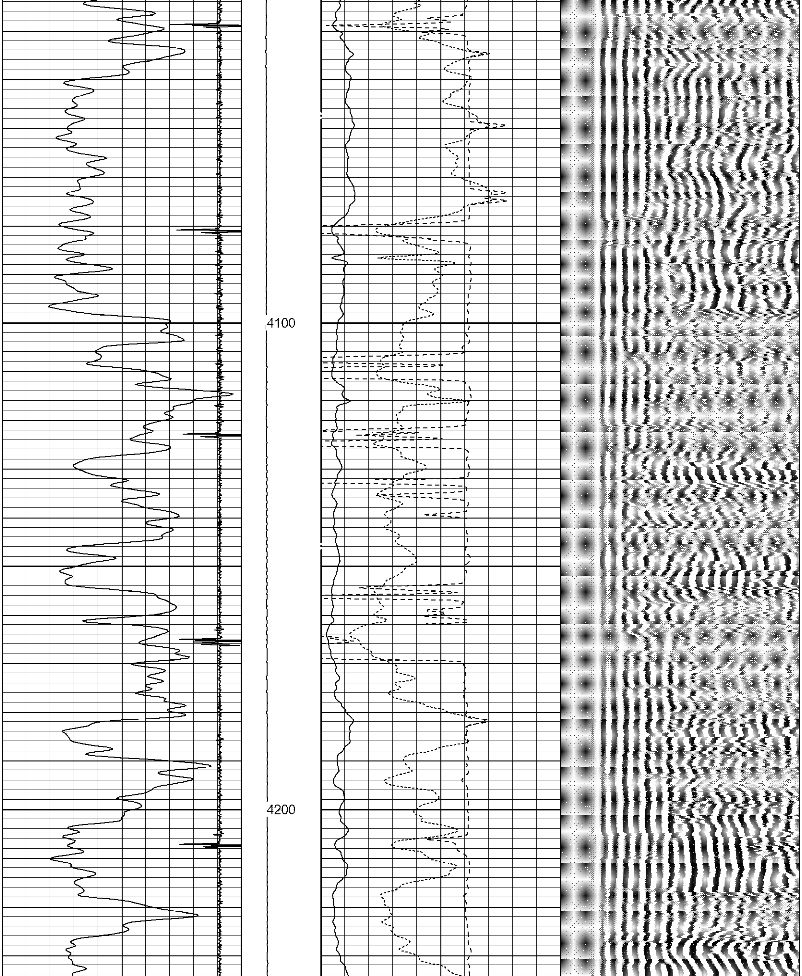
Database File: 072911_barrett_kaufman_22c_25.db
Dataset Pathname: main/pass1.2
Presentation Format: rmws_dsc
Dataset Creation: Fri Jul 29 14:51:16 2011 by Calc Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

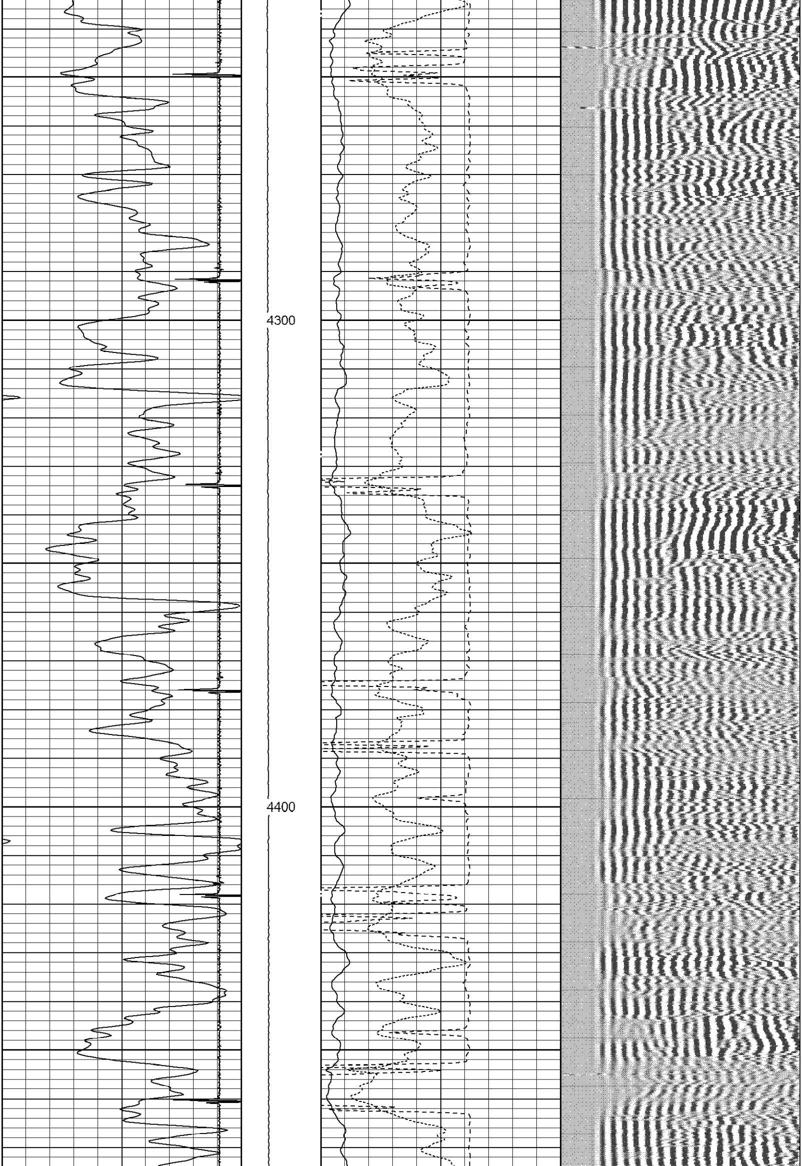


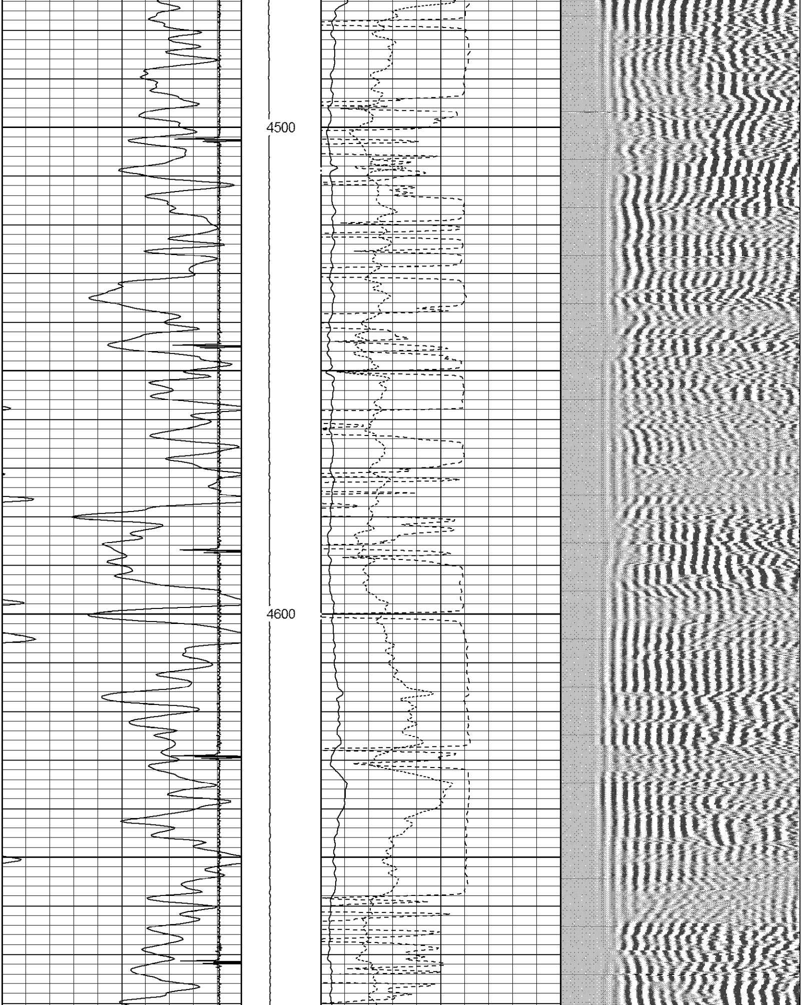


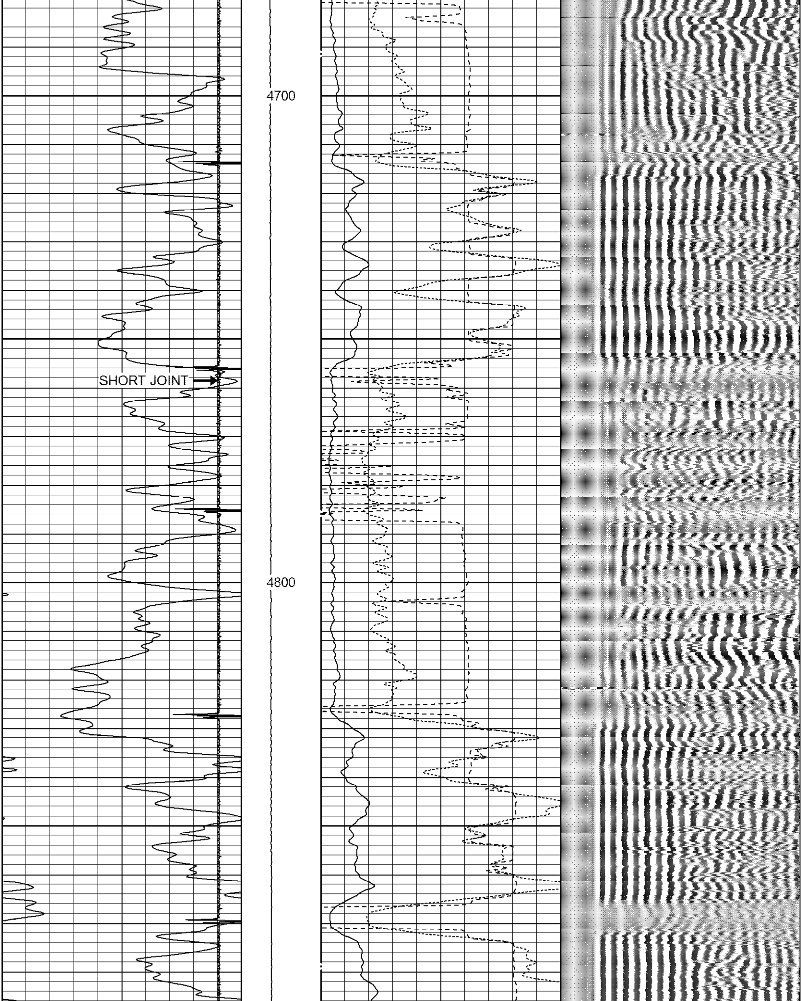


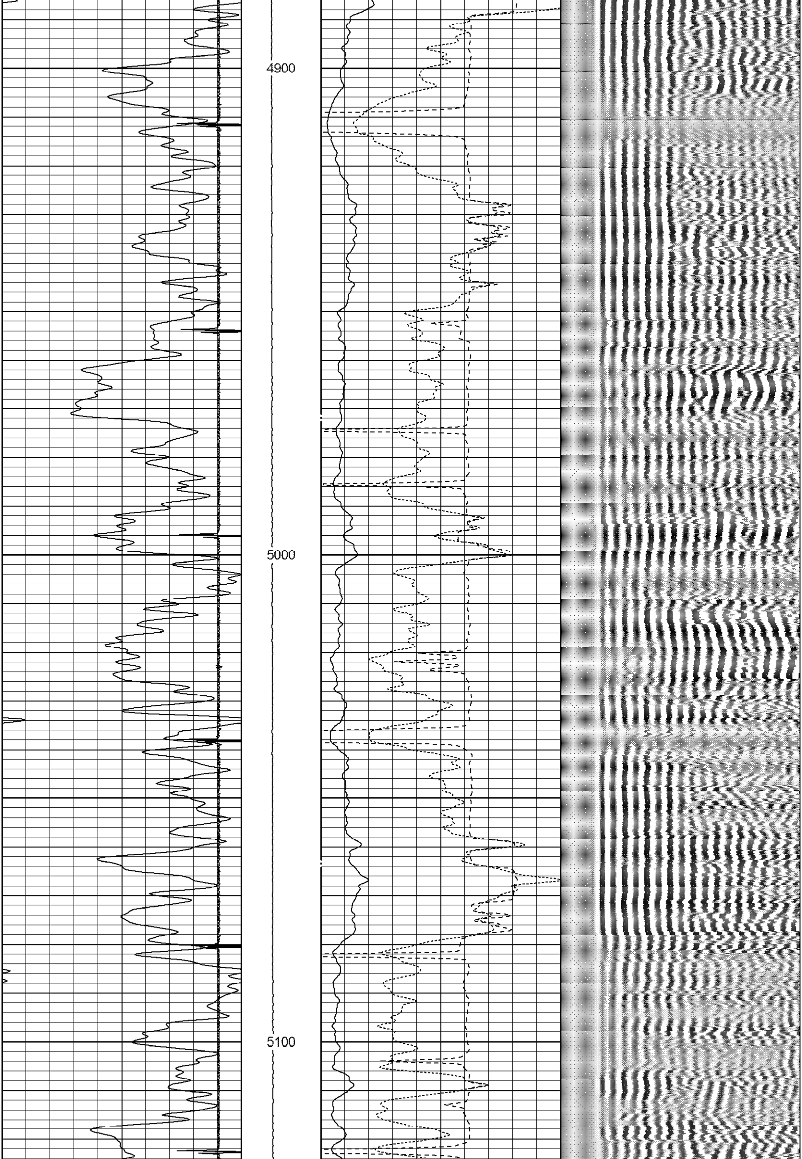


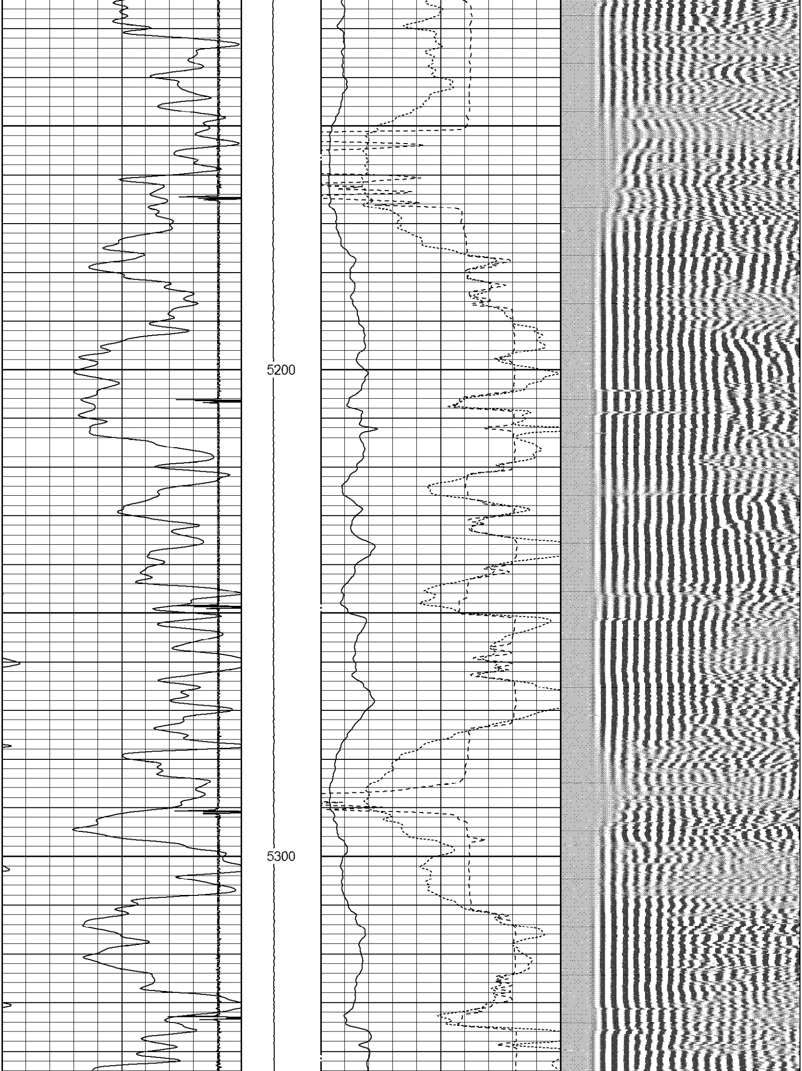


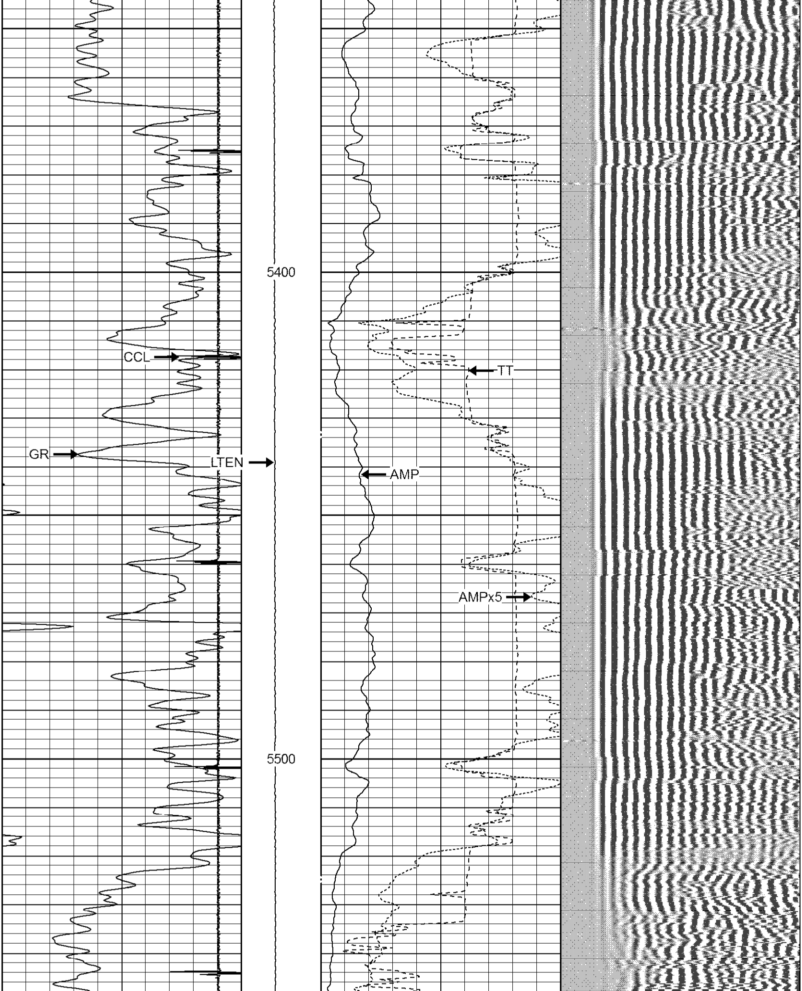


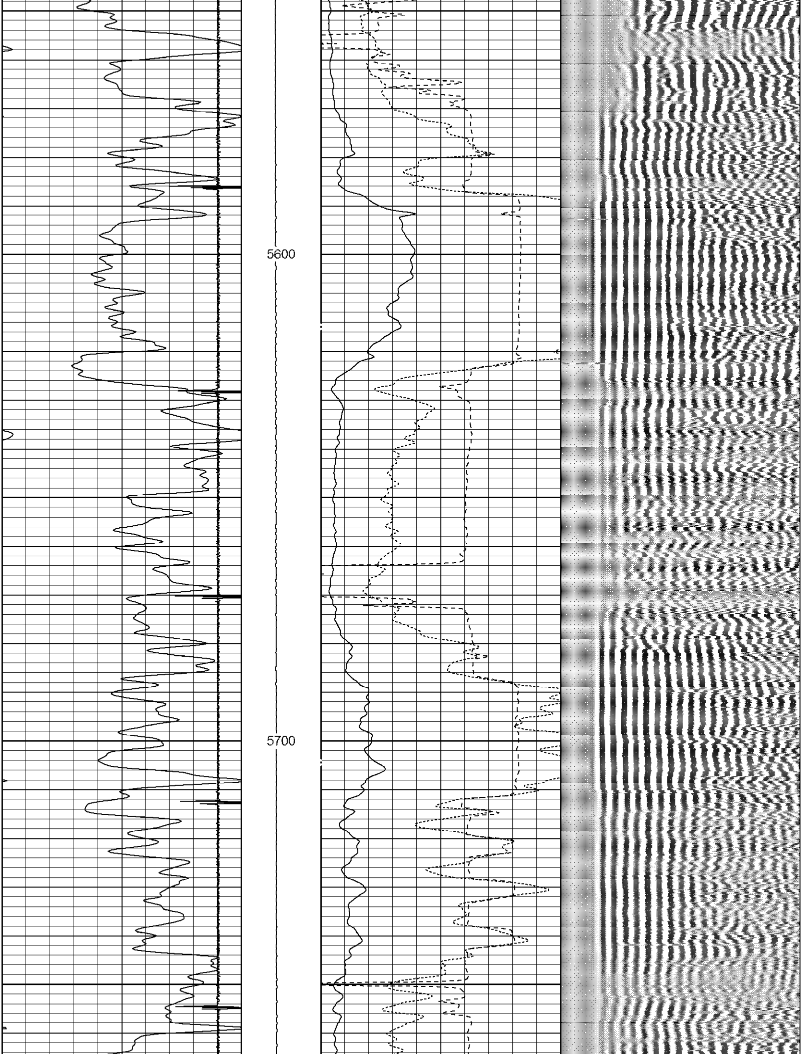


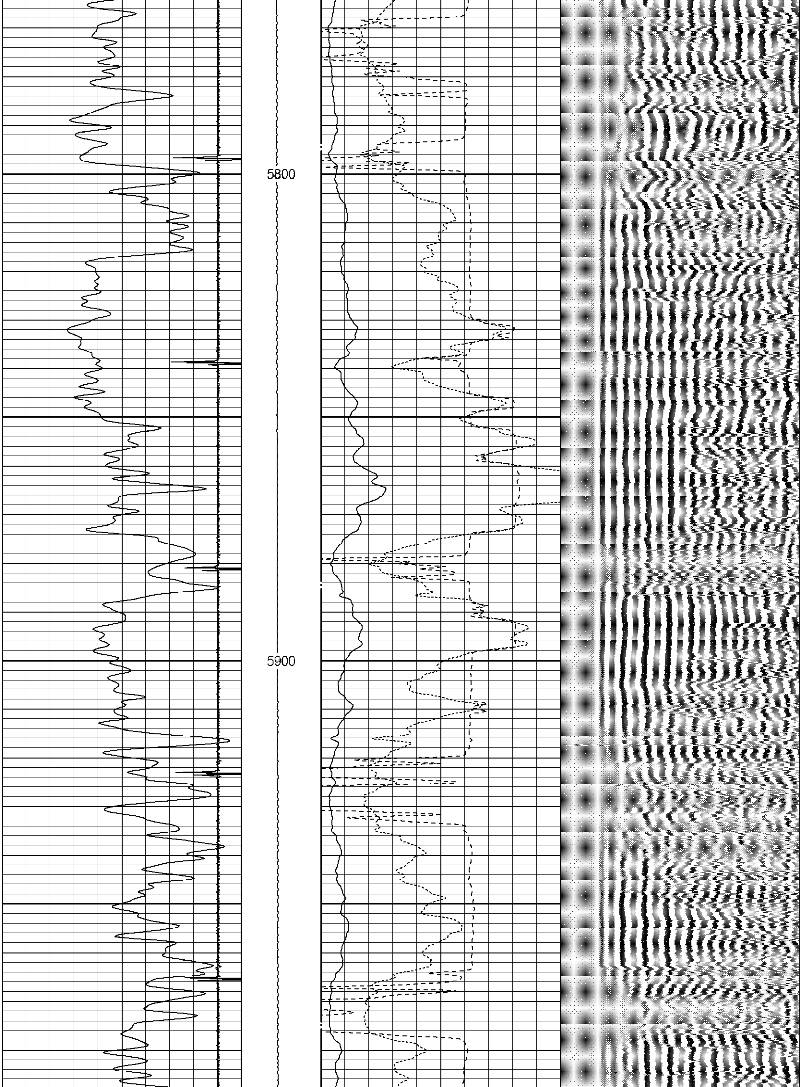


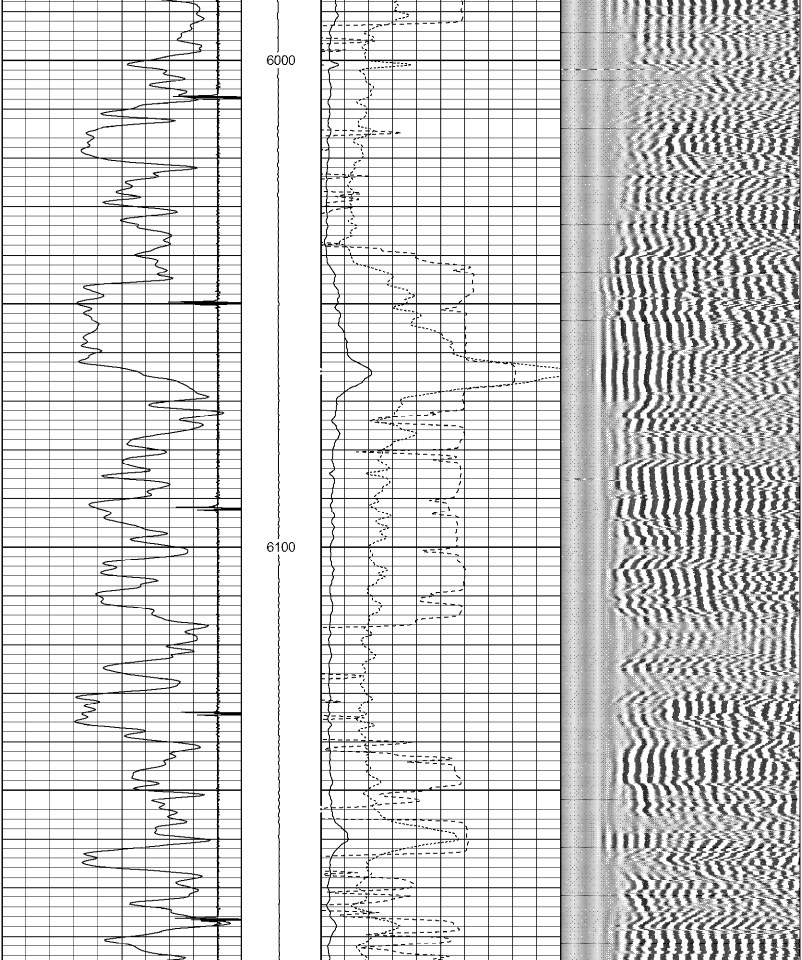


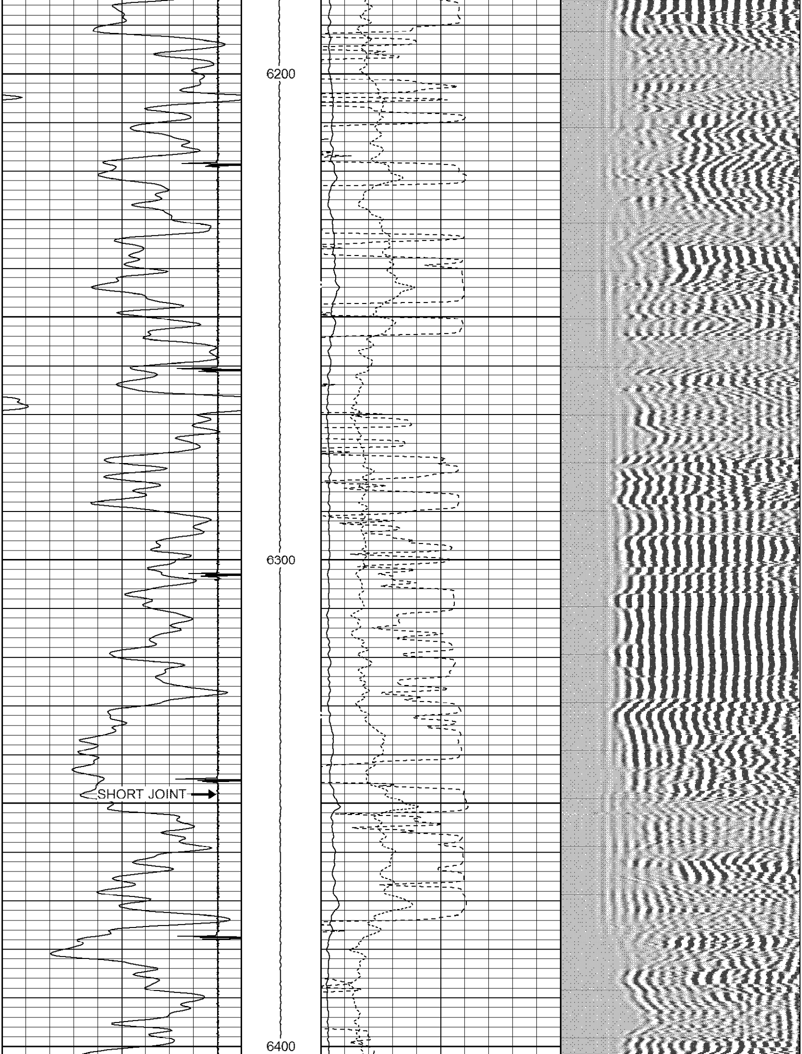


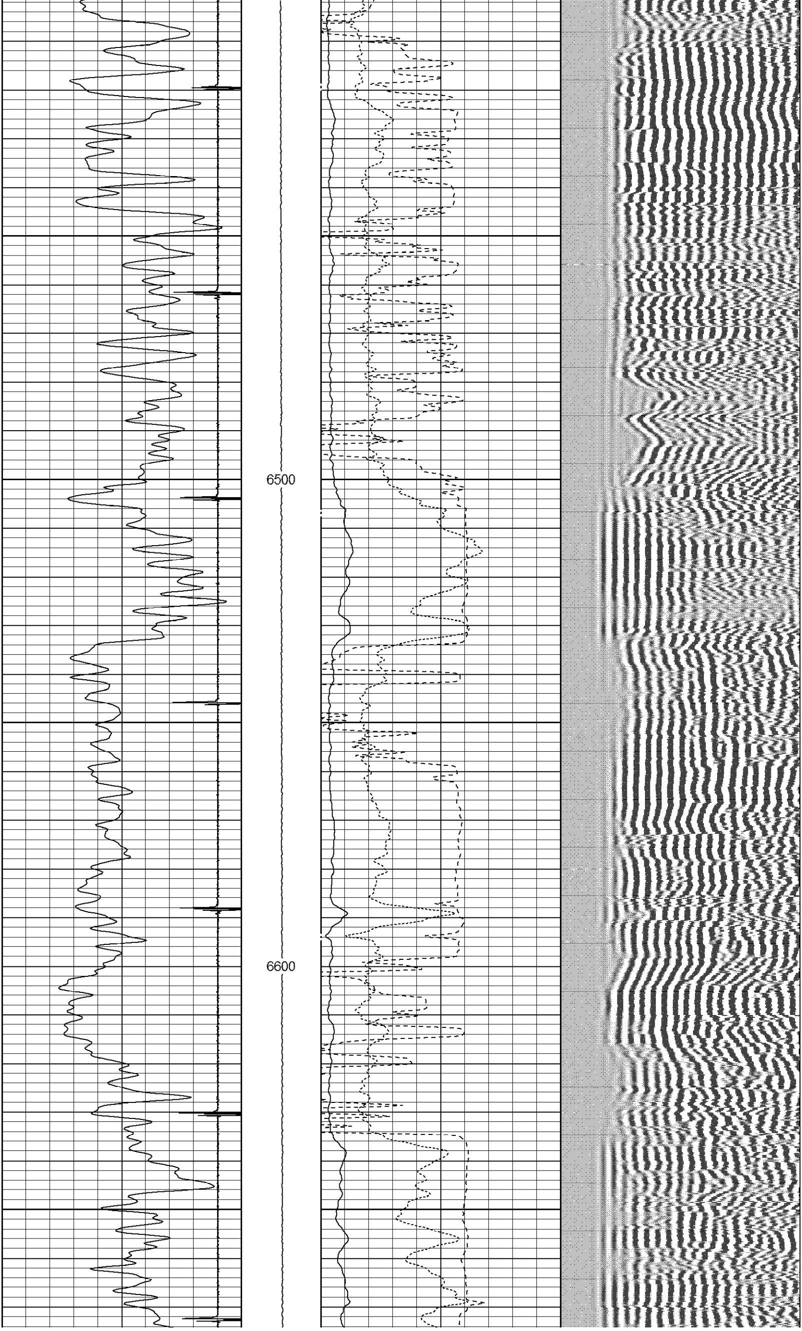


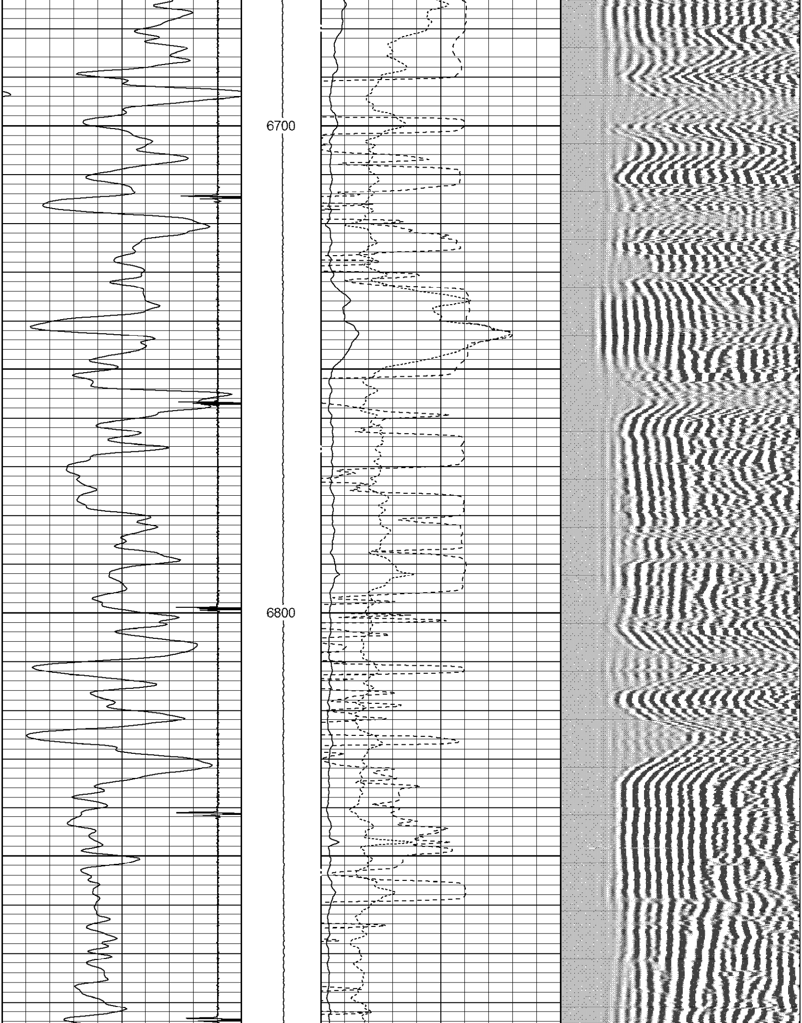


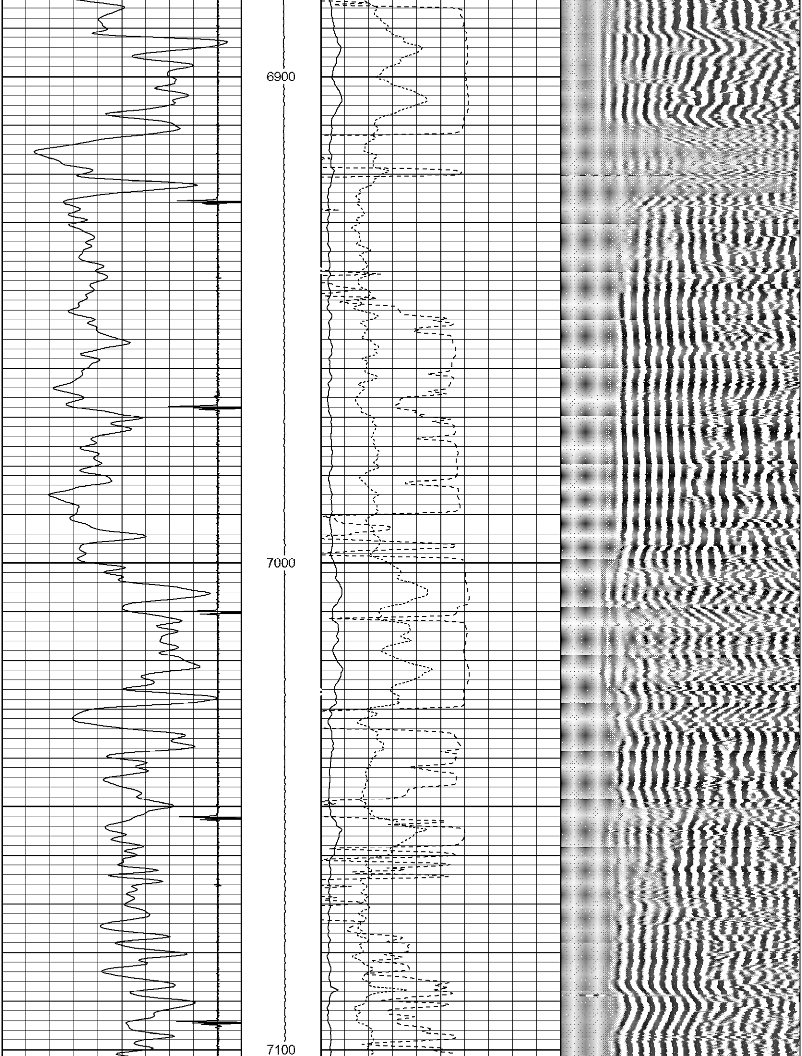


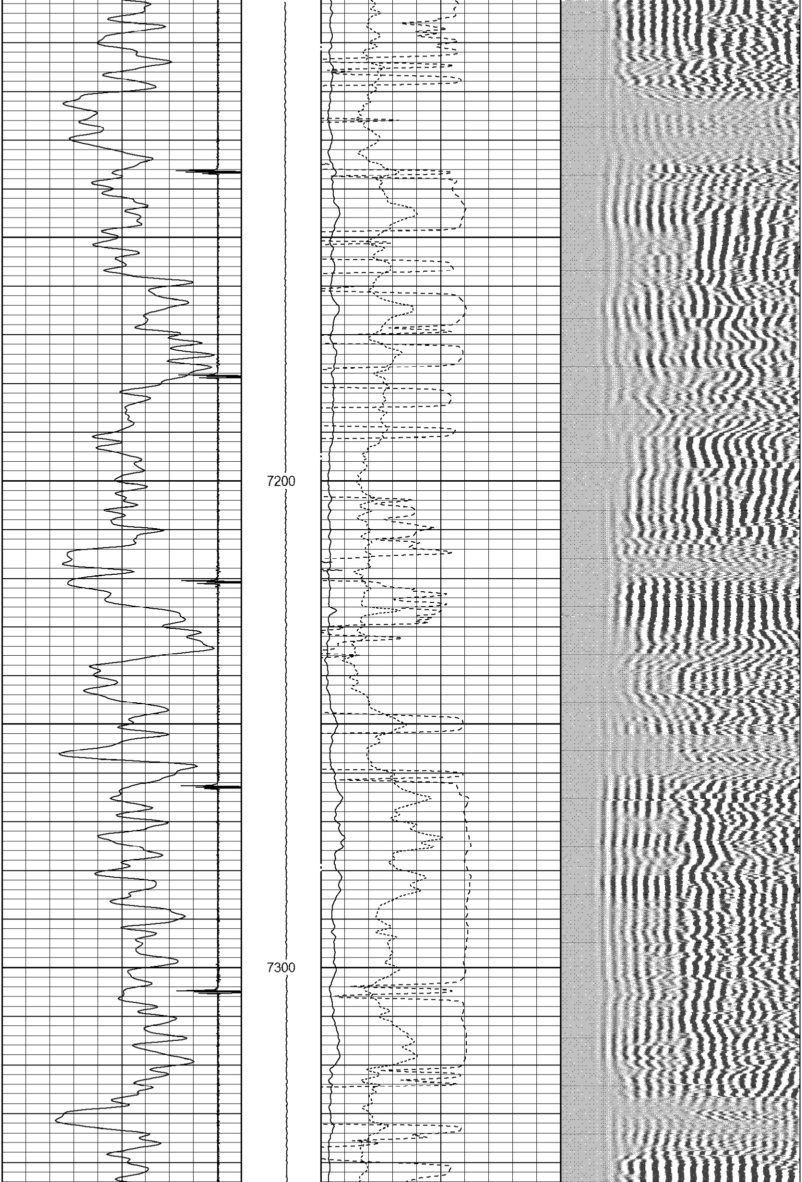


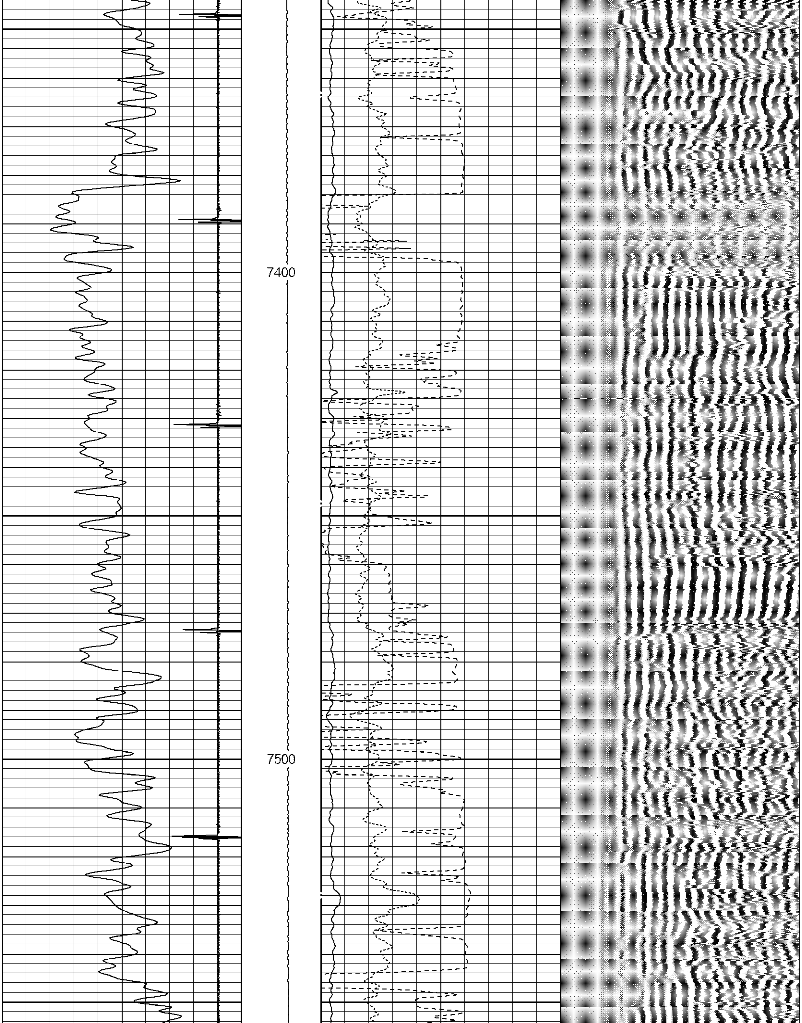


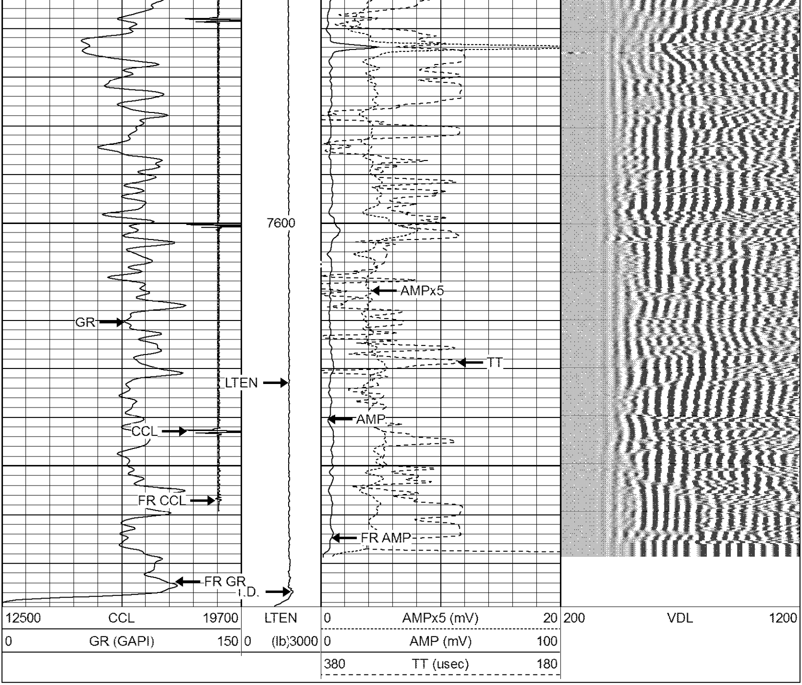










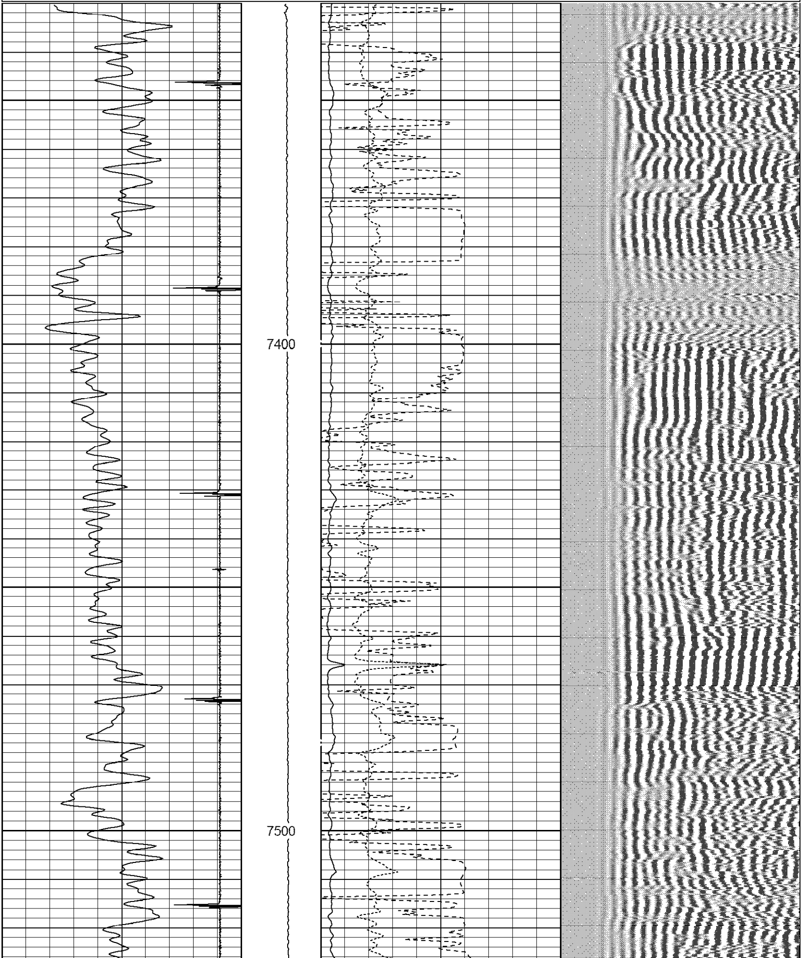


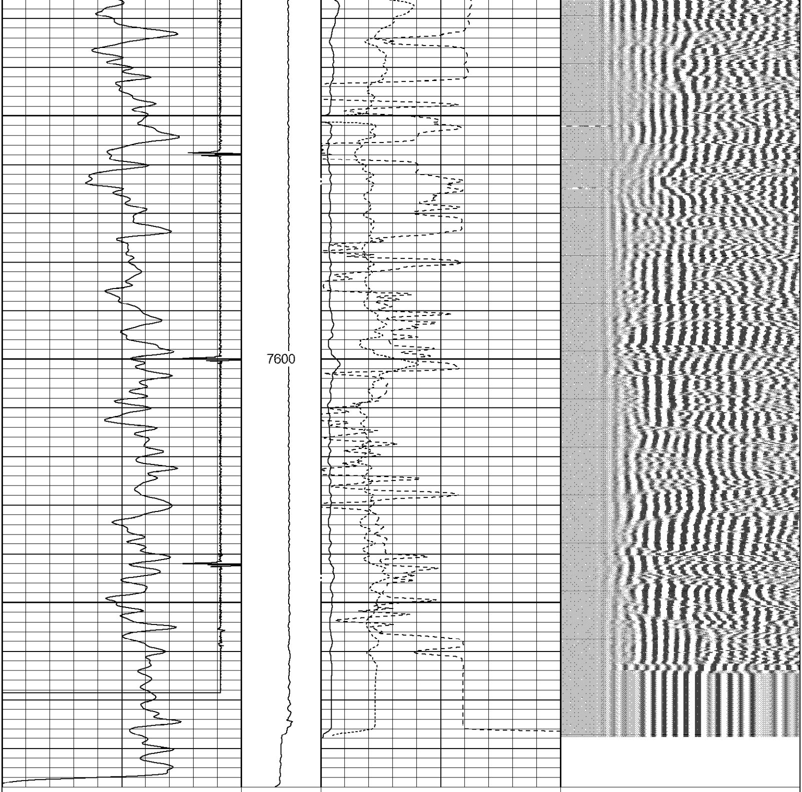
ROCKY MOUNTAIN WIRELINE SERVICE

REPEAT PASS

Database File: 072911_barrett_kaufman_22c_25.db
Dataset Pathname: repeat/pass1.2
Presentation Format: rmws_dsc
Dataset Creation: Fri Jul 29 14:53:25 2011 by Calc Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

12500	CCL	19700	LTEN	0	AMPx5 (mV)	20	200 VDL	1200
0	GR (GAPI)	150	0 (lb)3000	0	AMP (mV)	100		
				380	TT (usec)	180		

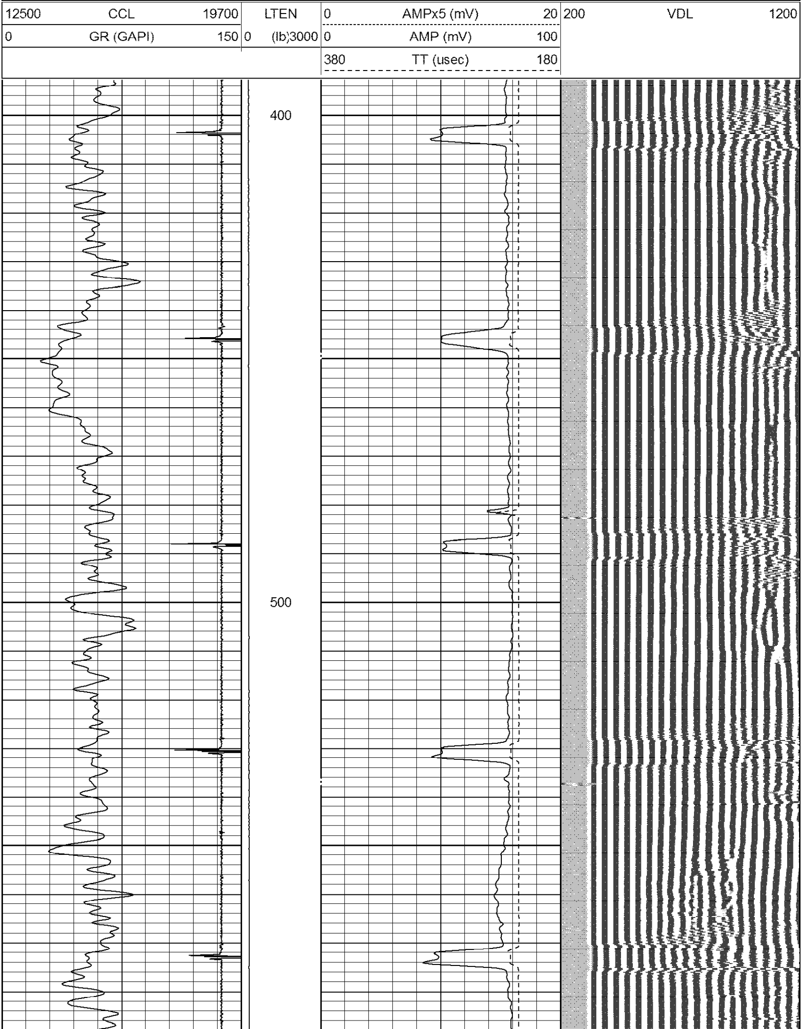


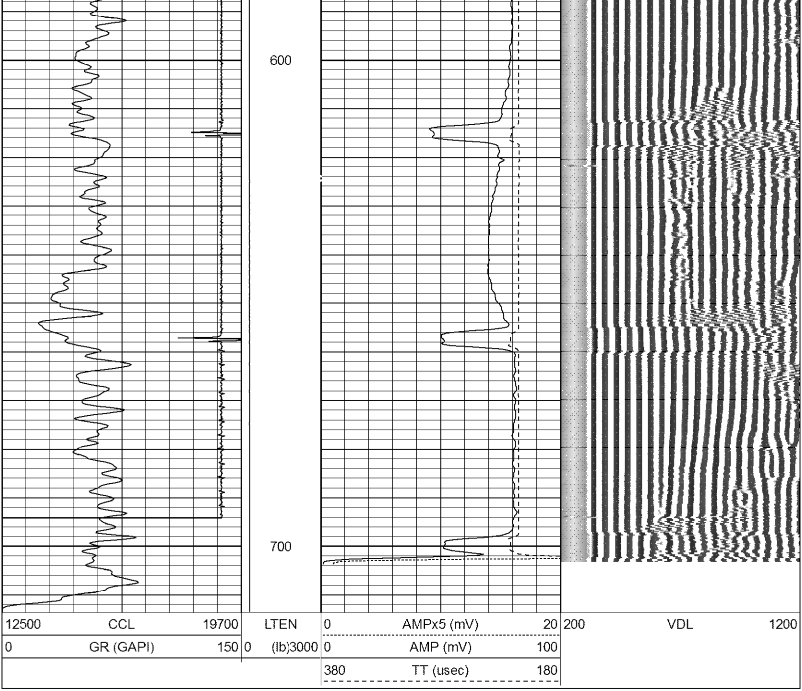


12500	CCL	19700	LTEN		0	AMPx5 (mV)	20	200	VDL	1200
0	GR (GAPI)	150	0	(lb)3000	0	AMP (mV)	100			
					380	TT (usec)	180			

FREE PIPE PASS

Database File: 072911_barrett_kaufman_22c_25.db
Dataset Pathname: free/pass1.2
Presentation Format: rmws_dsc
Dataset Creation: Fri Jul 29 14:54:42 2011 by Calc Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240





ROCKY MOUNTAIN WIRELINE SERVICE

TEMP PASS

Database File:	072911_barrett_kaufman_22c_25.db
Dataset Pathname:	main/pass1.1
Presentation Format:	RMWS_T~1
Dataset Creation:	Fri Jul 29 14:46:45 2011
Charted by:	Depth in Feet scaled 1:600

14000 CCL 19700

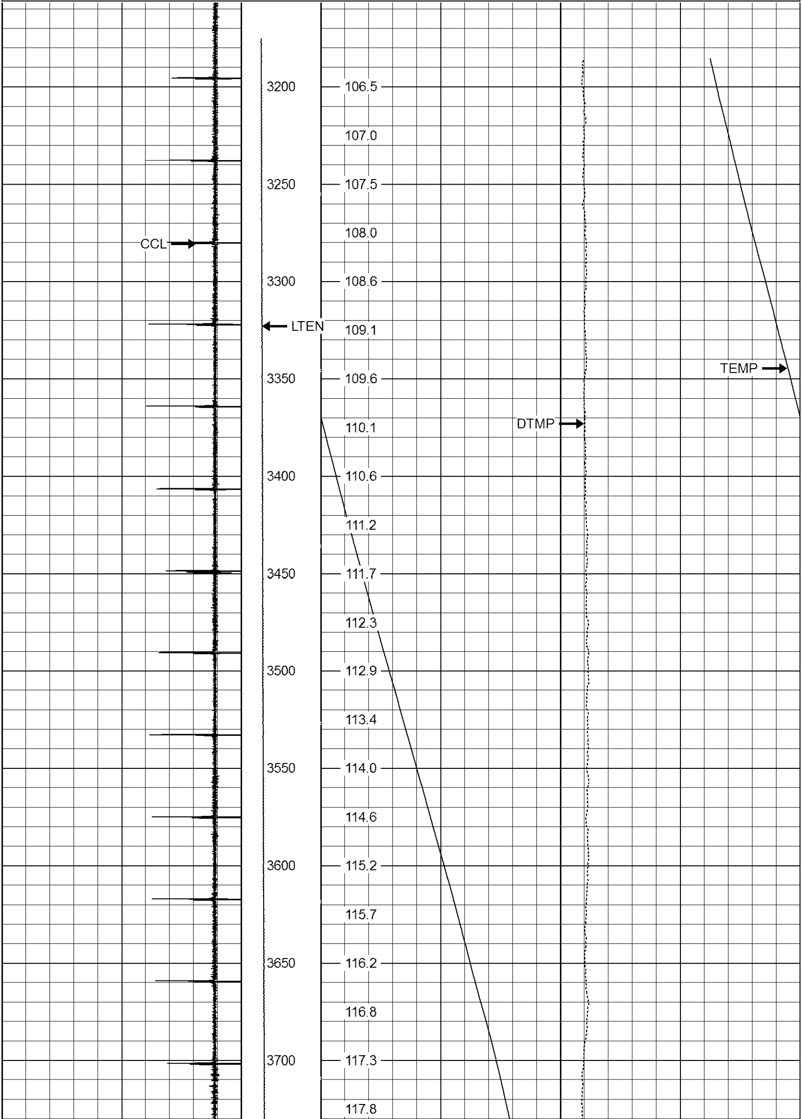
LTEN

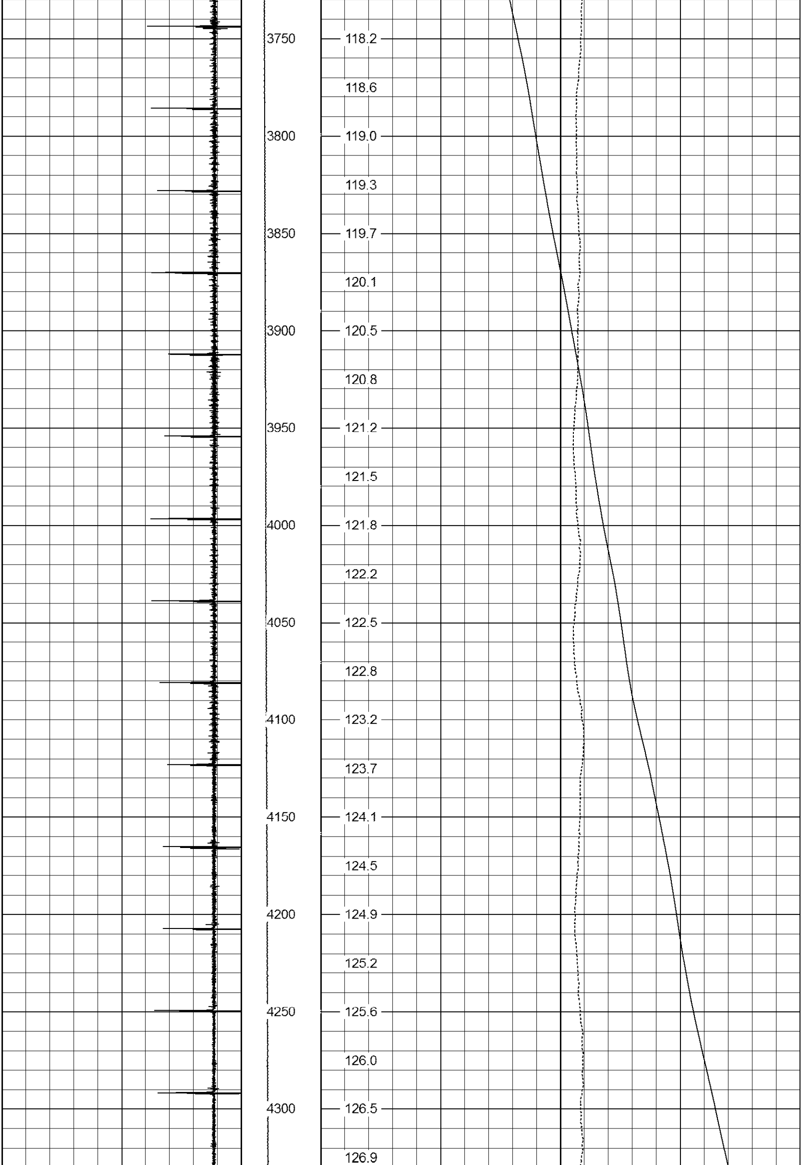
0 (lb)3000

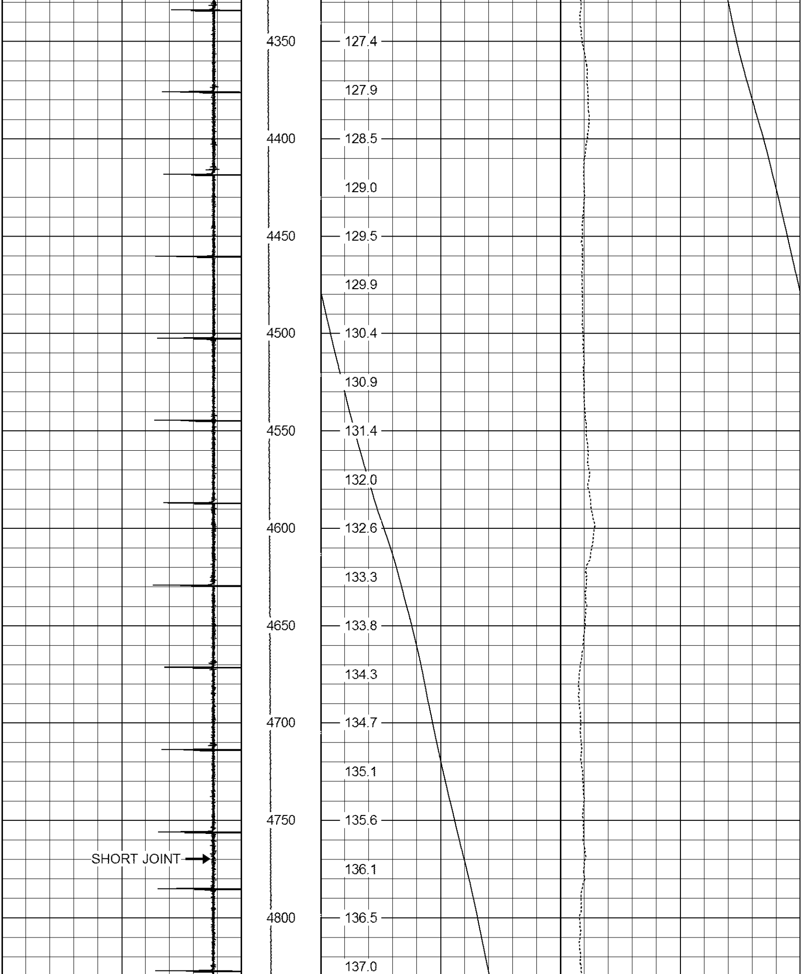
70 TEMP (degF) 90

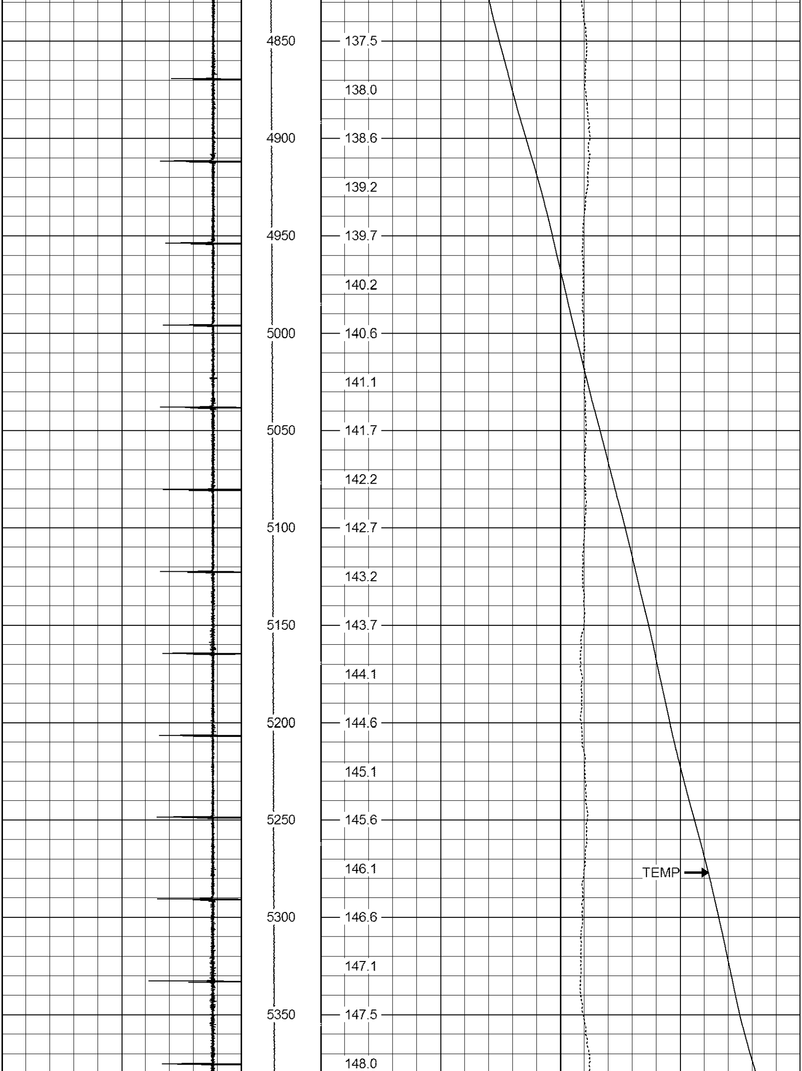
-0.2 DTMP (degF) 0.2

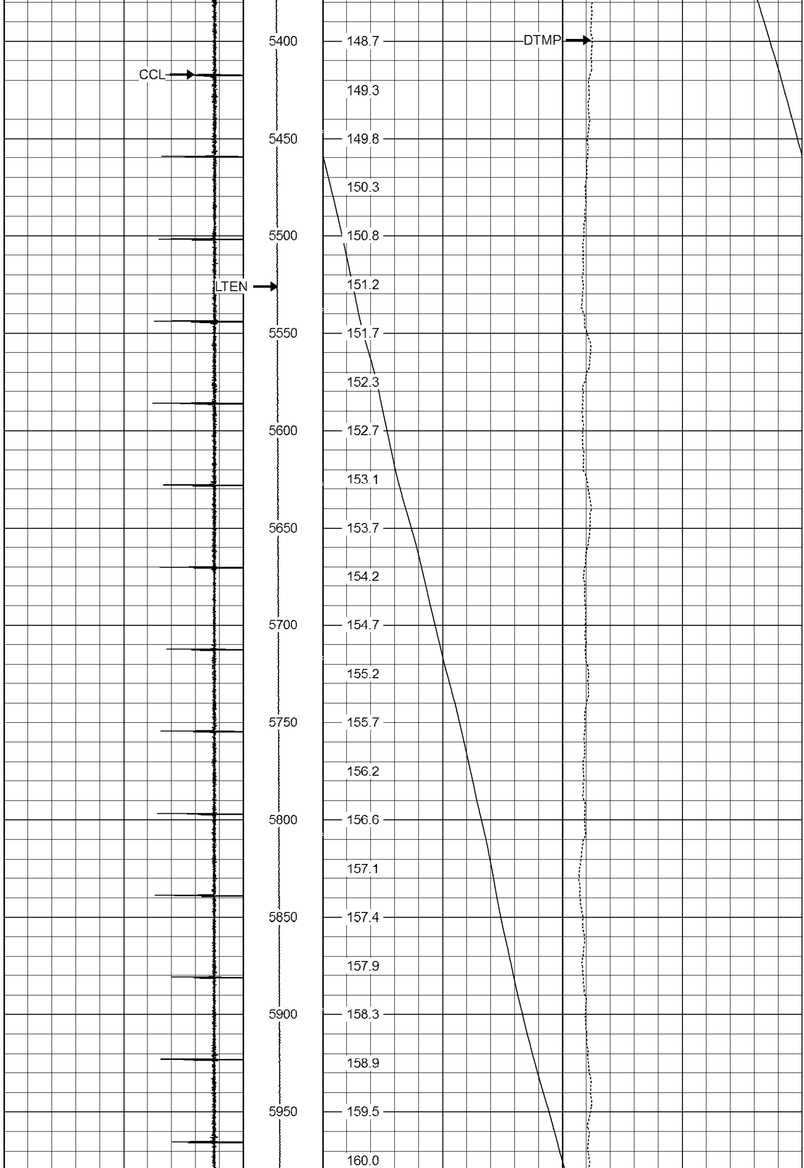
TEMP
(degF)

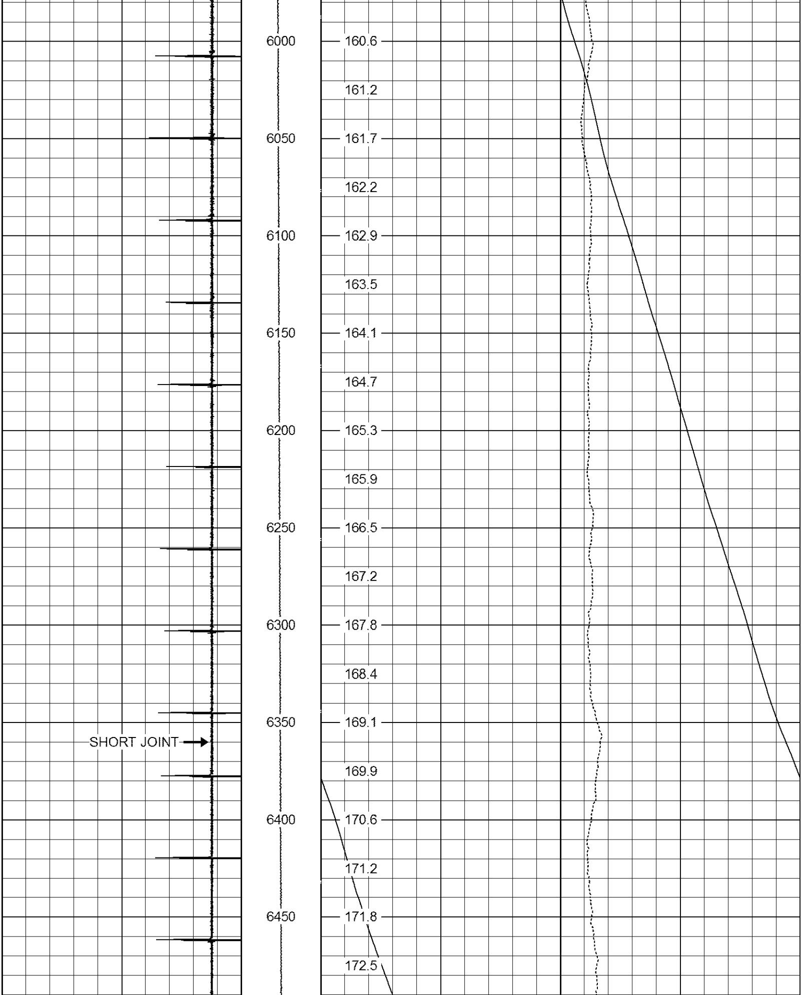


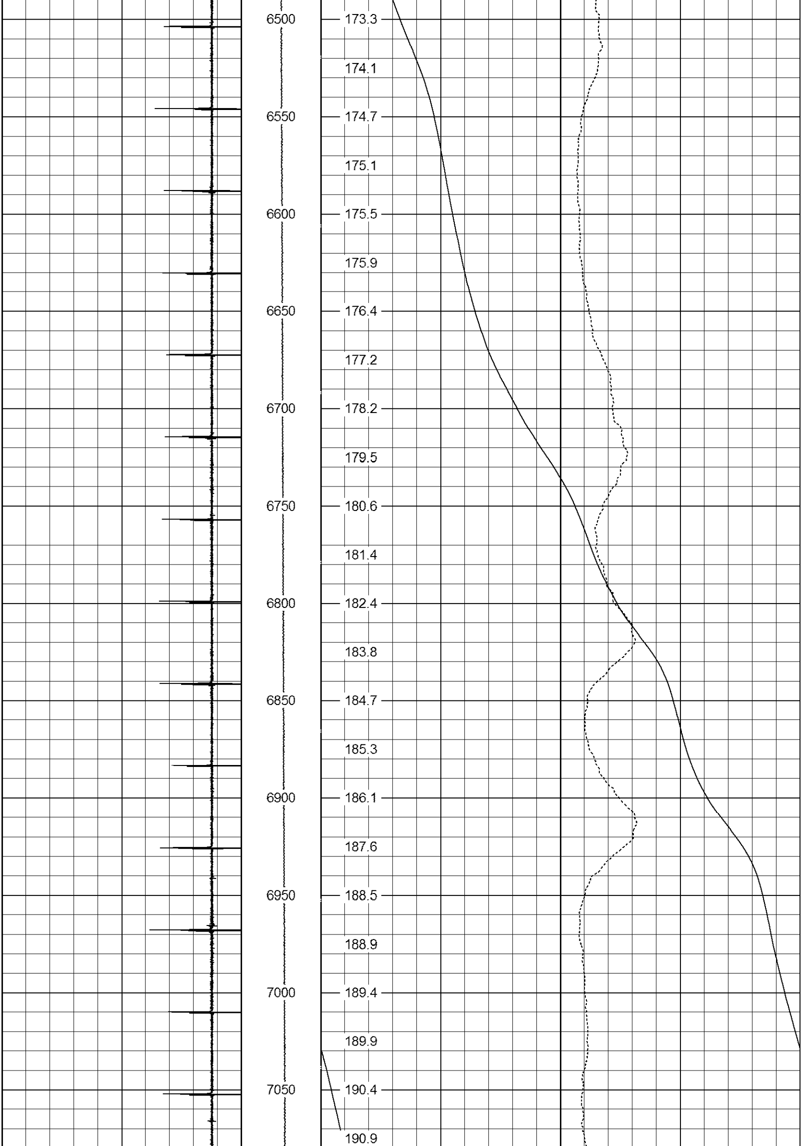


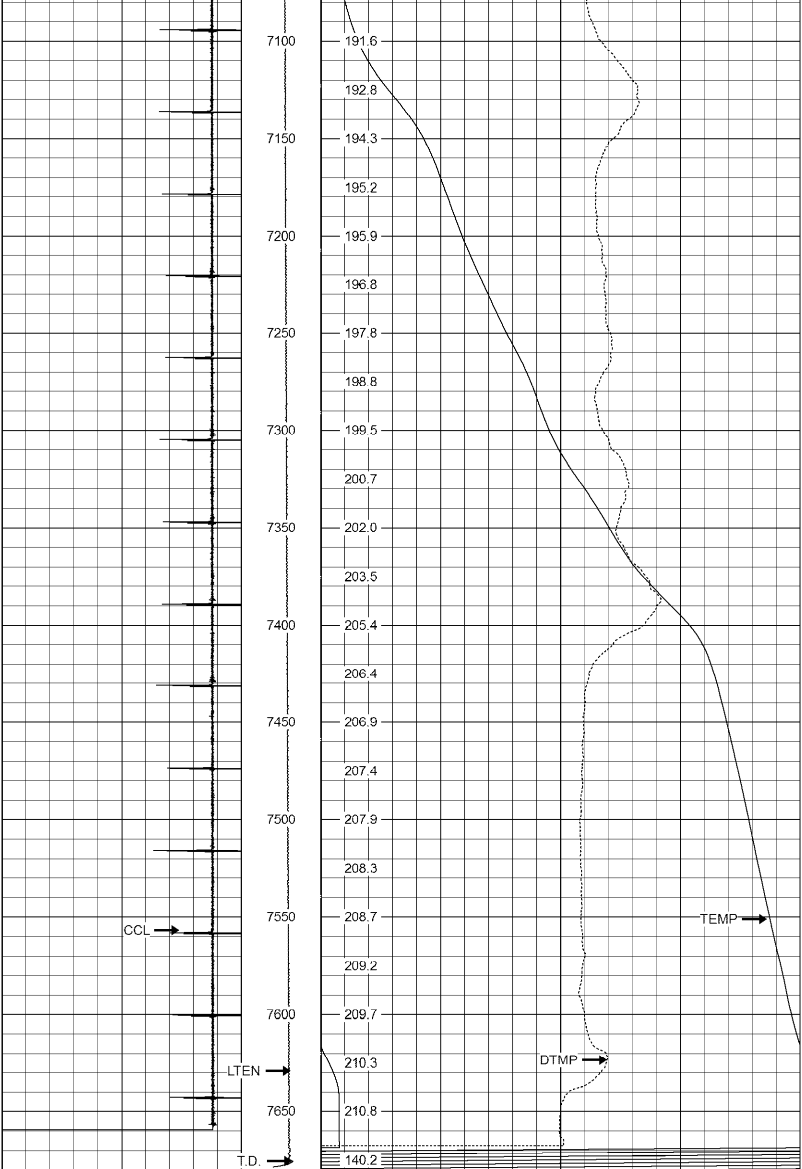




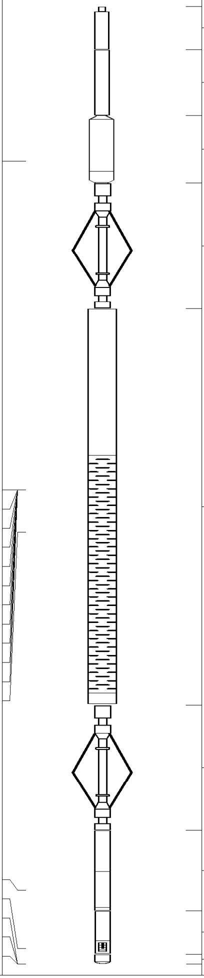








14000	CCL	19700	LTEN	70	TEMP (degF)	90
			0 (lb) 3000	-0.2	DTMP (degF)	0.2
				TEMP (degF)		



Sensor	Offset (ft)
CCL	19.17
WVF3FT	11.32
WVFS1	11.32
WVFS2	11.32
WVFS3	11.32
WVFS4	11.32
WVFS5	11.32
WVFS6	11.32
WVFS7	11.32
WVFS8	11.32
CBLTEMP	11.32
CBLROT	11.32
WVF5FT	10.32
GR	1.76
TEMP	0.37
TSTAMP	0.00
ITEMPX	0.00
HVOLTX	0.00

Description	Len (ft)	OD (in)	Wt (lb)
CHD-AES (000001) Cable Head	1.04	1.69	2.00
XTU-002 (216415) Crossover Ultrawire Toolbus To Ultralink	1.58	1.69	6.50
CCL-028 (1037) CCL UW 3 1/8" SONDEX	1.61	3.13	36.00
PRC-022 (215770) (6 ARM 2 3/8" ROLLER CENTRALIZER SONDEX)	3.00	2.38	21.40
RBT-004 (1123) Radial Bond Tool (UW 3 1/8)	9.47	3.13	140.00
PRC-022 (215771) (6 ARM 2 3/8" ROLLER CENTRALIZER SONDEX)	3.00	2.38	21.40
PGR-020 (217692) Production Gamma Ray	1.93	1.69	9.50
PRT-016 (216611) Platinum Resistance Thermometer	1.04	1.69	6.00
BUL-006 (212965) Bullnose Terminator	0.22	1.69	1.20

Dataset:	072911_barrett_kaufman_22c_25.db: field/well/main/pass1.2
Total Length:	22.90 ft
Total Weight:	244.00 lb
O.D.	3.13 in

Company	BILL BARRETT CORPORATION
Well	KAUFMAN 22C - 25 - 692
Field	MAMM CREEK

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