



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1072131
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: _____

1072131

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Chesapeake Operating, Inc.
Well Name	Trophy Farms 32-34-16 1H
Doc ID	1072131

All Electric Logs Run

Array Induction Tool Gamma Ray-SP
Compensated Neutron Litho-Density
2 in MD
2 in TVD
5" MD
5" TVD
Hole Cement Volume Future Casing = 7:
Natural Gamma Ray Spectrometry
Perforation Record/Gamma Ray
CBL
Mud Log

Form	ACO1 - Well Completion
Operator	Chesapeake Operating, Inc.
Well Name	Trophy Farms 32-34-16 1H
Doc ID	1072131

Tops

Name	Top	Datum
Base of Heebner Shale	4375	-2551
Cherokee Shale	5269	-3446
Hogshooter	4954	-3131
Mississippi	5326	-3503
Mississippi Base	5987	-4164
First Oswego	5077	-3254
Sylvan	6010	-4187
Tonkawa	4551	-2728
Viola	6008	-4185
Woodford	5987	-4164

Form	ACO1 - Well Completion
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Doc ID	1072131

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	9187-9188; 9284-9285; 9383-9384; 9480-9481; 9579-9580; 9677-9678	191,617# sand, 119 bbl 15% HCL, 2450 bbl SW, 238 bbl linear gel, 1143 bbl x-link gel	9187-9678
4	8602-8603; 8691-8692; 8788-8789; 8895-8896; 8998-8999; 9102-9103	216889# sand, 119 bbl 15% HCL, 2441 bbl SW, 238 bbl linear gel, 1143 bbl x-link gel	8602-9103
4	8008-8009; 8111-8112; 8200-8201; 8300-8301; 8408-8409; 8506-8507	217230# sand, 119 bbl 15% HCL, 2433 bbl SW, 238 bbl linear gel, 1143 x-link gel	8008-8507
4	7430-7431; 7521-7522; 7619-7620; 7710-7711; 7812-7813; 7895-7896	215400# sand, 119 bbl 15% HCL, 2424 bbl SW, 238 bbl linear gel, 1143 bbl x-link gel	7430-7896
4	6840-6841; 6929-6930; 7030-7031; 7120-7121; 7225-7226; 7330-7331	223,700# sand, 119 bbl 15% HCL, 2415 bbl SW, 238 bbl linear gel, 1143 bbl x-link gel	6840-7331
4	6149-6150; 6248-6249; 6336-6337; 6441-6442; 6539-6540; 6639-6640; 6731-6732	232336# sand, 119 bbl 15% HCL, 2572 bbl SW, 262 bbl linear gel, 1238 bbl x-link gel	6149-6732
4	5463-5464; 5561-5562; 5655-5656; 5757-5758; 5858-5859; 5967-5968; 6044-6045	241581# sand, 119 bbl 15% HCL, 2561 bbl SW, 262 bbl linear gel, 1238 bb; x-link gel	5463-6045

Form	ACO1 - Well Completion
Operator	Chesapeake Operating, Inc.
Well Name	Trophy Farms 32-34-16 1H
Doc ID	1072131

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	24	20	75	120	Class A Type 1	54	
Surface	12.25	9.6250	40	840		620	
Intermediate	8.75	7	26	5768	Poz 36/65	130	
Production Liner	6.1250	4.5	13.5	9791	Poz 50/50	915	



**Chesapeake - OK, LA, TX, KS
Trophy Farms 32-34-16 #1H
Comanche County, KS
Plan #7 vs Actual**

Nomac 115



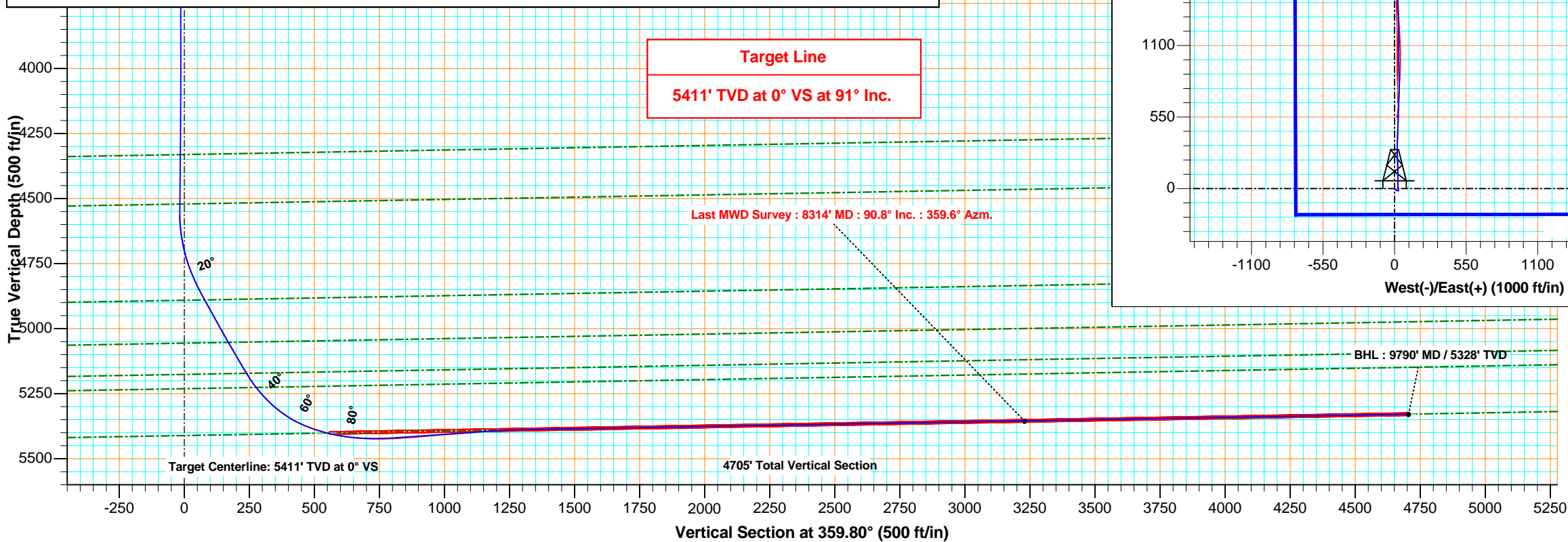
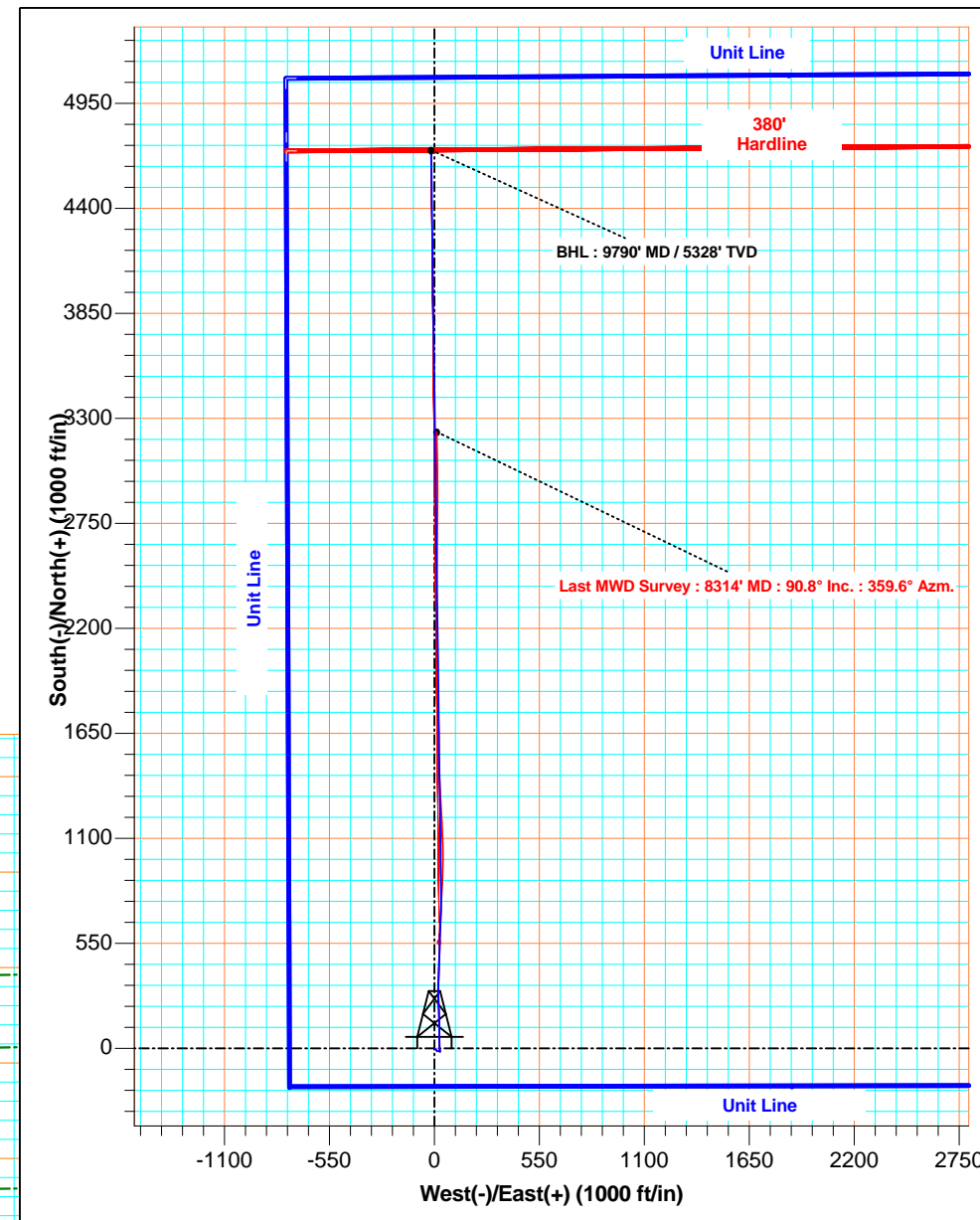
Surface Location		Ground Elevation: 1807.00 RKB @ 1823.00ft (Nomac 115)				
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	134621.000	1828518.000	37° 2' 5.629 N	99° 5' 14.788 W	

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
1	5716.00	83.10	2.40	5417.35	634.21	31.14	0.00	0.00	634.10
2	5767.00	88.00	2.40	5421.30	685.00	33.27	9.61	0.00	684.88
3	5902.61	94.00	359.24	5418.94	820.49	35.21	5.00	-27.76	820.36
4	6278.00	94.00	359.24	5392.75	1194.94	30.24	0.00	0.00	1194.82
5	6378.00	91.00	359.24	5388.39	1294.82	28.92	3.00	180.00	1294.71
6	9790.00	91.00	359.24	5328.84	4706.00	-16.33	0.00	0.00	4706.03

Map System : US State Plane 1927 (Exact solution)
Datum : NAD 1927 (NADCON CONUS)
Ellipsoid : Clarke 1866
Zone Name : Kansas South 1502

Local Origin : Well #1H, Grid North
System Datum : Mean Sea Level

TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL(Trophy Farms 32-34-16 1H)	5328.81	4706.00	-17.00	139327.000	1828501.000
Target Box(Trophy Farms 32-34-16 1H)	5401.00	558.32	25.41	135179.319	1828543.406



Chesapeake - OK, TX, KS

Comanche County, KS

Trophy Farms 32-34-16

#1H

ST1

Design: ST1

Standard Survey Report

09 November, 2011

Crescent Directional Survey Report

Company: Chesapeake - OK, TX, KS	Local Co-ordinate Reference: Well #1H
Project: Comanche County, KS	TVD Reference: RKB @ 1823.00ft (Nomac 115)
Site: Trophy Farms 32-34-16	MD Reference: RKB @ 1823.00ft (Nomac 115)
Well: #1H	North Reference: Grid
Wellbore: ST1	Survey Calculation Method: Minimum Curvature
Design: ST1	Database: EDM 2003.16 Single User Db

Project Comanche County, KS		
Map System: US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum: NAD 1927 (NADCON CONUS)		
Map Zone: Kansas South 1502		

Site Trophy Farms 32-34-16					
Site Position:		Northing:	134,621.000 ft	Latitude:	37° 2' 5.629 N
From: Map		Easting:	1,828,518.000 ft	Longitude:	99° 5' 14.788 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	-0.36 °

Well #1H						
Well Position	+N/-S	0.00 ft	Northing:	134,621.000 ft	Latitude:	37° 2' 5.629 N
	+E/-W	0.00 ft	Easting:	1,828,518.000 ft	Longitude:	99° 5' 14.788 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	1,807.00 ft

Wellbore ST1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	09/21/11	5.36	65.10	51,823

Design ST1					
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	4,566.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	359.80	

Survey Program Date 11/02/11					
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
200.00	4,566.00	VES Gyro Surveys (PH)	Good_gyro	Good Gyro	
4,605.00	9,792.00	Crescent MWD Surveys (ST1)	Good_mag	Good Magnetic	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.30	42.78	200.00	0.38	0.36	0.38	0.15	0.15	0.00	
400.00	0.29	89.97	400.00	0.77	1.22	0.76	0.12	0.00	23.59	
600.00	0.20	102.54	599.99	0.69	2.06	0.69	0.05	-0.04	6.28	
800.00	0.16	125.49	799.99	0.46	2.63	0.45	0.04	-0.02	11.47	
1,000.00	0.20	150.24	999.99	-0.01	3.03	-0.02	0.04	0.02	12.37	
1,200.00	0.27	181.96	1,199.99	-0.78	3.19	-0.79	0.07	0.03	15.86	
1,400.00	0.80	134.01	1,399.98	-2.22	4.18	-2.24	0.33	0.26	-23.97	
1,600.00	0.66	115.66	1,599.97	-3.69	6.22	-3.72	0.14	-0.07	-9.17	
1,800.00	0.39	99.72	1,799.96	-4.31	7.93	-4.34	0.15	-0.13	-7.97	
2,000.00	0.58	126.49	1,999.95	-5.02	9.41	-5.06	0.15	0.09	13.38	
2,200.00	0.16	163.97	2,199.95	-5.89	10.31	-5.93	0.23	-0.21	18.74	

Crescent Directional Survey Report

Company:	Chesapeake - OK, TX, KS	Local Co-ordinate Reference:	Well #1H
Project:	Comanche County, KS	TVD Reference:	RKB @ 1823.00ft (Nomac 115)
Site:	Trophy Farms 32-34-16	MD Reference:	RKB @ 1823.00ft (Nomac 115)
Well:	#1H	North Reference:	Grid
Wellbore:	ST1	Survey Calculation Method:	Minimum Curvature
Design:	ST1	Database:	EDM 2003.16 Single User Db

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
2,400.00	0.48	181.68	2,399.94	-7.00	10.36	-7.04	0.17	0.16	8.85	
2,600.00	0.49	164.73	2,599.94	-8.66	10.56	-8.70	0.07	0.00	-8.47	
2,800.00	0.71	150.61	2,799.93	-10.57	11.39	-10.61	0.13	0.11	-7.06	
3,000.00	0.84	135.46	2,999.91	-12.69	13.03	-12.74	0.12	0.06	-7.57	
3,200.00	0.41	126.17	3,199.89	-14.16	14.63	-14.21	0.22	-0.21	-4.64	
3,400.00	0.54	99.18	3,399.89	-14.73	16.14	-14.79	0.13	0.06	-13.49	
3,600.00	1.10	72.34	3,599.87	-14.30	18.90	-14.37	0.33	0.28	-13.42	
3,800.00	0.66	82.29	3,799.84	-13.56	21.87	-13.64	0.23	-0.22	4.97	
4,000.00	0.61	90.23	3,999.83	-13.41	24.08	-13.50	0.05	-0.02	3.97	
4,200.00	0.80	122.78	4,199.82	-14.17	26.32	-14.26	0.22	0.09	16.27	
4,400.00	0.54	153.24	4,399.80	-15.77	27.92	-15.87	0.22	-0.13	15.23	
4,566.00	0.74	123.66	4,565.79	-17.06	29.16	-17.17	0.23	0.12	-17.82	
4,605.00	5.20	359.60	4,604.74	-15.44	29.36	-15.54	14.49	11.43	-318.11	
4,637.00	7.60	356.00	4,636.54	-11.87	29.20	-11.98	7.60	7.50	-11.25	
4,669.00	10.60	354.70	4,668.14	-6.83	28.78	-6.93	9.40	9.37	-4.06	
4,701.00	13.20	353.70	4,699.44	-0.27	28.11	-0.37	8.15	8.12	-3.12	
4,733.00	17.00	356.30	4,730.33	8.03	27.41	7.94	12.06	11.87	8.12	
4,764.00	19.60	358.90	4,759.76	17.76	27.02	17.66	8.79	8.39	8.39	
4,796.00	22.10	0.10	4,789.67	29.14	26.92	29.05	7.93	7.81	3.75	
4,827.00	24.60	359.80	4,818.13	41.43	26.91	41.34	8.07	8.06	-0.97	
4,859.00	27.40	359.70	4,846.88	55.46	26.85	55.36	8.75	8.75	-0.31	
4,890.00	28.50	359.80	4,874.27	69.99	26.79	69.89	3.55	3.55	0.32	
4,923.00	28.80	0.40	4,903.23	85.81	26.81	85.71	1.26	0.91	1.82	
4,955.00	29.10	359.60	4,931.23	101.30	26.81	101.20	1.53	0.94	-2.50	
4,986.00	29.10	359.30	4,958.32	116.37	26.67	116.28	0.47	0.00	-0.97	
5,018.00	29.20	358.50	4,986.26	131.96	26.37	131.86	1.26	0.31	-2.50	
5,049.00	29.50	358.30	5,013.28	147.14	25.94	147.05	1.02	0.97	-0.65	
5,081.00	29.70	358.20	5,041.11	162.94	25.46	162.85	0.64	0.62	-0.31	
5,113.00	29.70	358.00	5,068.90	178.79	24.94	178.70	0.31	0.00	-0.62	
5,145.00	30.10	357.60	5,096.65	194.73	24.32	194.64	1.40	1.25	-1.25	
5,177.00	30.30	357.50	5,124.30	210.81	23.64	210.73	0.64	0.62	-0.31	
5,208.00	30.90	357.40	5,150.98	226.58	22.93	226.49	1.94	1.94	-0.32	
5,240.00	31.70	357.60	5,178.33	243.18	22.21	243.11	2.52	2.50	0.62	
5,272.00	34.60	357.90	5,205.12	260.67	21.52	260.59	9.08	9.06	0.94	
5,303.00	38.60	358.50	5,230.00	279.14	20.95	279.06	12.95	12.90	1.94	
5,335.00	42.20	359.70	5,254.36	299.87	20.63	299.80	11.51	11.25	3.75	
5,367.00	45.10	1.10	5,277.52	321.96	20.79	321.88	9.55	9.06	4.37	
5,399.00	48.70	1.90	5,299.38	345.31	21.41	345.23	11.40	11.25	2.50	
5,430.00	53.10	2.50	5,318.92	369.34	22.33	369.26	14.27	14.19	1.94	
5,462.00	56.60	2.80	5,337.34	395.47	23.55	395.39	10.96	10.94	0.94	
5,494.00	61.30	2.10	5,353.84	422.86	24.71	422.77	14.81	14.69	-2.19	
5,526.00	65.90	1.90	5,368.07	451.49	25.71	451.40	14.39	14.37	-0.62	
5,558.00	69.30	1.20	5,380.26	481.06	26.51	480.97	10.82	10.62	-2.19	
5,589.00	72.40	0.90	5,390.43	510.34	27.05	510.24	10.04	10.00	-0.97	
5,621.00	75.40	1.80	5,399.30	541.07	27.77	540.97	9.76	9.37	2.81	
5,652.00	77.80	1.80	5,406.49	571.21	28.72	571.11	7.74	7.74	0.00	
5,684.00	80.00	2.30	5,412.65	602.59	29.84	602.48	7.04	6.87	1.56	
5,716.00	83.10	2.40	5,417.35	634.21	31.14	634.10	9.69	9.69	0.31	
5,779.00	87.10	1.70	5,422.73	696.93	33.38	696.81	6.44	6.35	-1.11	
5,811.00	89.10	2.40	5,423.79	728.89	34.53	728.76	6.62	6.25	2.19	
5,843.00	90.70	2.80	5,423.85	760.86	35.98	760.72	5.15	5.00	1.25	
5,875.00	91.80	2.40	5,423.15	792.81	37.43	792.68	3.66	3.44	-1.25	
5,907.00	94.30	2.50	5,421.45	824.74	38.80	824.60	7.82	7.81	0.31	
5,938.00	94.80	4.00	5,418.99	855.59	40.55	855.44	5.09	1.61	4.84	

Crescent Directional Survey Report

Company:	Chesapeake - OK, TX, KS	Local Co-ordinate Reference:	Well #1H
Project:	Comanche County, KS	TVD Reference:	RKB @ 1823.00ft (Nomac 115)
Site:	Trophy Farms 32-34-16	MD Reference:	RKB @ 1823.00ft (Nomac 115)
Well:	#1H	North Reference:	Grid
Wellbore:	ST1	Survey Calculation Method:	Minimum Curvature
Design:	ST1	Database:	EDM 2003.16 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,970.00	94.40	2.50	5,416.42	887.43	42.36	887.28	4.84	-1.25	-4.69
6,001.00	94.50	2.50	5,414.01	918.31	43.71	918.15	0.32	0.32	0.00
6,032.00	94.30	1.80	5,411.64	949.20	44.86	949.03	2.34	-0.65	-2.26
6,064.00	94.50	359.60	5,409.18	981.10	45.25	980.93	6.88	0.62	-6.87
6,096.00	94.50	358.70	5,406.67	1,013.00	44.78	1,012.83	2.80	0.00	-2.81
6,127.00	94.70	358.20	5,404.18	1,043.88	43.95	1,043.72	1.73	0.65	-1.61
6,159.00	94.60	358.20	5,401.59	1,075.76	42.94	1,075.61	0.31	-0.31	0.00
6,190.00	94.70	358.70	5,399.08	1,106.65	42.11	1,106.50	1.64	0.32	1.61
6,222.00	93.50	357.50	5,396.79	1,138.55	41.05	1,138.40	5.30	-3.75	-3.75
6,254.00	93.30	357.70	5,394.89	1,170.47	39.71	1,170.32	0.88	-0.62	0.62
6,286.00	92.30	356.70	5,393.33	1,202.39	38.15	1,202.25	4.42	-3.12	-3.12
6,317.00	92.50	356.80	5,392.03	1,233.31	36.39	1,233.18	0.72	0.65	0.32
6,349.00	90.50	357.60	5,391.19	1,265.26	34.83	1,265.13	6.73	-6.25	2.50
6,381.00	90.40	356.90	5,390.94	1,297.22	33.30	1,297.10	2.21	-0.31	-2.19
6,412.00	90.50	357.10	5,390.70	1,328.18	31.67	1,328.06	0.72	0.32	0.65
6,444.00	90.70	356.00	5,390.36	1,360.12	29.75	1,360.01	3.49	0.62	-3.44
6,476.00	90.70	357.10	5,389.97	1,392.06	27.82	1,391.95	3.44	0.00	3.44
6,507.00	89.90	357.50	5,389.81	1,423.02	26.36	1,422.92	2.89	-2.58	1.29
6,539.00	89.50	358.00	5,389.98	1,455.00	25.11	1,454.90	2.00	-1.25	1.56
6,571.00	89.50	358.60	5,390.26	1,486.98	24.16	1,486.89	1.87	0.00	1.87
6,603.00	89.80	358.80	5,390.45	1,518.97	23.43	1,518.88	1.13	0.94	0.62
6,634.00	90.90	359.90	5,390.26	1,549.97	23.08	1,549.88	5.02	3.55	3.55
6,666.00	91.30	359.90	5,389.65	1,581.96	23.02	1,581.87	1.25	1.25	0.00
6,697.00	91.70	0.30	5,388.84	1,612.95	23.08	1,612.86	1.82	1.29	1.29
6,728.00	92.10	359.20	5,387.81	1,643.93	22.94	1,643.84	3.77	1.29	-3.55
6,758.00	92.00	359.10	5,386.73	1,673.91	22.50	1,673.82	0.47	-0.33	-0.33
6,789.00	92.60	358.40	5,385.49	1,704.88	21.82	1,704.79	2.97	1.94	-2.26
6,821.00	91.60	357.80	5,384.32	1,736.84	20.76	1,736.76	3.64	-3.12	-1.87
6,852.00	89.80	357.90	5,383.94	1,767.81	19.60	1,767.73	5.82	-5.81	0.32
6,882.00	89.70	356.50	5,384.07	1,797.78	18.13	1,797.70	4.68	-0.33	-4.67
6,913.00	90.20	356.70	5,384.10	1,828.72	16.30	1,828.65	1.74	1.61	0.65
6,944.00	90.70	357.00	5,383.85	1,859.67	14.59	1,859.61	1.88	1.61	0.97
6,974.00	90.50	358.40	5,383.54	1,889.65	13.39	1,889.59	4.71	-0.67	4.67
7,005.00	90.90	358.90	5,383.16	1,920.64	12.66	1,920.58	2.07	1.29	1.61
7,036.00	91.60	359.70	5,382.48	1,951.63	12.28	1,951.57	3.43	2.26	2.58
7,066.00	92.10	0.90	5,381.52	1,981.61	12.44	1,981.55	4.33	1.67	4.00
7,097.00	92.50	0.00	5,380.27	2,012.58	12.68	2,012.53	3.17	1.29	-2.90
7,128.00	93.00	0.10	5,378.78	2,043.55	12.71	2,043.49	1.64	1.61	0.32
7,158.00	92.30	359.30	5,377.40	2,073.52	12.55	2,073.46	3.54	-2.33	-2.67
7,189.00	92.70	359.80	5,376.05	2,104.48	12.31	2,104.43	2.06	1.29	1.61
7,219.00	91.60	359.00	5,374.92	2,134.46	11.99	2,134.41	4.53	-3.67	-2.67
7,250.00	89.50	358.50	5,374.62	2,165.45	11.32	2,165.40	6.96	-6.77	-1.61
7,281.00	89.00	358.90	5,375.03	2,196.44	10.61	2,196.39	2.07	-1.61	1.29
7,311.00	89.40	359.20	5,375.45	2,226.43	10.12	2,226.38	1.67	1.33	1.00
7,342.00	89.80	359.60	5,375.66	2,257.43	9.79	2,257.38	1.82	1.29	1.29
7,373.00	90.50	0.80	5,375.58	2,288.43	9.90	2,288.38	4.48	2.26	3.87
7,403.00	90.90	1.40	5,375.22	2,318.42	10.47	2,318.37	2.40	1.33	2.00
7,434.00	91.20	1.30	5,374.65	2,349.41	11.21	2,349.35	1.02	0.97	-0.32
7,464.00	91.80	0.60	5,373.86	2,379.39	11.70	2,379.34	3.07	2.00	-2.33
7,494.00	92.10	1.00	5,372.84	2,409.37	12.12	2,409.31	1.67	1.00	1.33
7,525.00	92.20	0.80	5,371.68	2,440.35	12.61	2,440.29	0.72	0.32	-0.65
7,556.00	92.40	0.60	5,370.43	2,471.32	12.99	2,471.26	0.91	0.65	-0.65
7,586.00	92.50	0.50	5,369.15	2,501.29	13.27	2,501.23	0.47	0.33	-0.33
7,617.00	92.70	0.20	5,367.75	2,532.26	13.46	2,532.20	1.16	0.65	-0.97

Crescent Directional Survey Report

Company:	Chesapeake - OK, TX, KS	Local Co-ordinate Reference:	Well #1H
Project:	Comanche County, KS	TVD Reference:	RKB @ 1823.00ft (Nomac 115)
Site:	Trophy Farms 32-34-16	MD Reference:	RKB @ 1823.00ft (Nomac 115)
Well:	#1H	North Reference:	Grid
Wellbore:	ST1	Survey Calculation Method:	Minimum Curvature
Design:	ST1	Database:	EDM 2003.16 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,649.00	90.60	0.80	5,366.82	2,564.24	13.74	2,564.18	6.82	-6.56	1.87
7,680.00	90.50	0.80	5,366.53	2,595.24	14.17	2,595.17	0.32	-0.32	0.00
7,712.00	90.80	0.60	5,366.16	2,627.23	14.57	2,627.17	1.13	0.94	-0.62
7,744.00	90.50	0.40	5,365.80	2,659.23	14.85	2,659.16	1.13	-0.94	-0.62
7,775.00	90.90	0.50	5,365.42	2,690.23	15.09	2,690.16	1.33	1.29	0.32
7,807.00	90.90	0.30	5,364.92	2,722.22	15.31	2,722.15	0.62	0.00	-0.62
7,839.00	90.70	0.30	5,364.47	2,754.22	15.48	2,754.15	0.62	-0.62	0.00
7,870.00	91.10	0.70	5,363.99	2,785.21	15.75	2,785.14	1.82	1.29	1.29
7,902.00	91.20	0.80	5,363.34	2,817.20	16.17	2,817.13	0.44	0.31	0.31
7,933.00	92.00	0.70	5,362.48	2,848.19	16.57	2,848.11	2.60	2.58	-0.32
7,997.00	91.60	359.90	5,360.47	2,912.15	16.91	2,912.08	1.40	-0.62	-1.25
8,060.00	92.40	359.60	5,358.27	2,975.12	16.63	2,975.04	1.36	1.27	-0.48
8,124.00	89.90	358.90	5,356.98	3,039.09	15.80	3,039.02	4.06	-3.91	-1.09
8,187.00	90.60	358.90	5,356.71	3,102.08	14.59	3,102.01	1.11	1.11	0.00
8,251.00	90.80	359.30	5,355.93	3,166.07	13.58	3,166.00	0.70	0.31	0.62
8,314.00	90.80	359.60	5,355.05	3,229.06	12.98	3,228.99	0.48	0.00	0.48
8,378.00	91.10	359.60	5,353.99	3,293.05	12.53	3,292.98	0.47	0.47	0.00
8,442.00	91.60	359.60	5,352.48	3,357.03	12.08	3,356.96	0.78	0.78	0.00
8,505.00	91.30	359.20	5,350.89	3,420.00	11.42	3,419.94	0.79	-0.48	-0.63
8,568.00	90.40	359.10	5,349.95	3,482.99	10.49	3,482.93	1.44	-1.43	-0.16
8,632.00	91.30	359.20	5,349.00	3,546.97	9.54	3,546.92	1.41	1.41	0.16
8,695.00	90.20	357.60	5,348.18	3,609.94	7.78	3,609.89	3.08	-1.75	-2.54
8,758.00	90.40	356.60	5,347.85	3,672.86	4.59	3,672.82	1.62	0.32	-1.59
8,821.00	91.20	356.40	5,346.97	3,735.73	0.75	3,735.71	1.31	1.27	-0.32
8,884.00	90.00	356.00	5,346.31	3,798.59	-3.43	3,798.58	2.01	-1.90	-0.63
8,948.00	89.50	356.00	5,346.59	3,862.43	-7.89	3,862.44	0.78	-0.78	0.00
9,011.00	90.00	357.10	5,346.86	3,925.32	-11.68	3,925.34	1.92	0.79	1.75
9,075.00	90.90	357.30	5,346.36	3,989.24	-14.81	3,989.27	1.44	1.41	0.31
9,137.00	91.30	357.00	5,345.17	4,051.15	-17.89	4,051.19	0.81	0.65	-0.48
9,200.00	90.30	358.10	5,344.29	4,114.09	-20.58	4,114.13	2.36	-1.59	1.75
9,264.00	91.10	357.50	5,343.51	4,178.03	-23.04	4,178.09	1.56	1.25	-0.94
9,326.00	91.70	357.60	5,341.99	4,239.96	-25.69	4,240.02	0.98	0.97	0.16
9,390.00	90.90	358.10	5,340.54	4,303.89	-28.09	4,303.97	1.47	-1.25	0.78
9,453.00	89.80	358.20	5,340.16	4,366.86	-30.12	4,366.94	1.75	-1.75	0.16
9,516.00	87.90	359.00	5,341.42	4,429.83	-31.66	4,429.91	3.27	-3.02	1.27
9,579.00	87.60	0.20	5,343.89	4,492.77	-32.10	4,492.86	1.96	-0.48	1.90
9,643.00	87.70	359.90	5,346.52	4,556.72	-32.05	4,556.80	0.49	0.16	-0.47
9,706.00	88.50	0.00	5,348.61	4,619.68	-32.10	4,619.77	1.28	1.27	0.16
9,740.00	88.90	0.10	5,349.38	4,653.68	-32.07	4,653.76	1.21	1.18	0.29
Last MWD Survey : 9740' MD : 88.9° Inc. : 0.1° Azm.									
9,792.00	88.90	0.10	5,350.38	4,705.67	-31.98	4,705.75	0.00	0.00	0.00
Projection To TD: 9792' MD/5350' TVD									

Crescent Directional Survey Report

Company: Chesapeake - OK, TX, KS	Local Co-ordinate Reference: Well #1H
Project: Comanche County, KS	TVD Reference: RKB @ 1823.00ft (Nomac 115)
Site: Trophy Farms 32-34-16	MD Reference: RKB @ 1823.00ft (Nomac 115)
Well: #1H	North Reference: Grid
Wellbore: ST1	Survey Calculation Method: Minimum Curvature
Design: ST1	Database: EDM 2003.16 Single User Db

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
PBHL(Trophy Farms 32-	0.00	360.00	5,343.30	4,706.00	-17.00	139,327.000	1,828,501.000	37° 2' 52.156 N	99° 5' 15.363 W
- actual wellpath misses target center by 16.57ft at 9792.00ft MD (5350.38 TVD, 4705.67 N, -31.98 E)									
- Point									
Unit Line(Trophy Farms	0.00	0.00	0.00	5,081.00	-778.00	139,702.000	1,827,740.000	37° 2' 55.816 N	99° 5' 24.778 W
- actual wellpath misses target center by 5140.22ft at 8.38ft MD (8.38 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1			0.00	5,081.00	-778.00	139,702.00	1,827,740.00		
Point 2			0.00	5,098.00	1,858.00	139,719.00	1,830,376.00		
Point 3			0.00	5,114.00	4,493.00	139,735.00	1,833,011.00		
Point 4			0.00	2,460.00	4,500.00	137,081.00	1,833,018.00		
Point 5			0.00	-194.00	4,507.00	134,427.00	1,833,025.00		
Point 6			0.00	-197.00	1,874.00	134,424.00	1,830,392.00		
Point 7			0.00	-201.00	-759.00	134,420.00	1,827,759.00		
Point 8			0.00	2,440.00	-769.00	137,061.00	1,827,749.00		
380' Hardline (Trophy Fc	0.00	360.00	0.00	4,701.01	-775.55	139,322.008	1,827,742.451	37° 2' 52.059 N	99° 5' 24.719 W
- actual wellpath misses target center by 4764.56ft at 7.65ft MD (7.65 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1			0.00	4,701.01	-775.55	139,322.01	1,827,742.45		
Point 2			0.00	4,718.01	1,860.45	139,339.01	1,830,378.45		
Point 3			0.00	4,734.01	4,495.31	139,355.01	1,833,013.31		

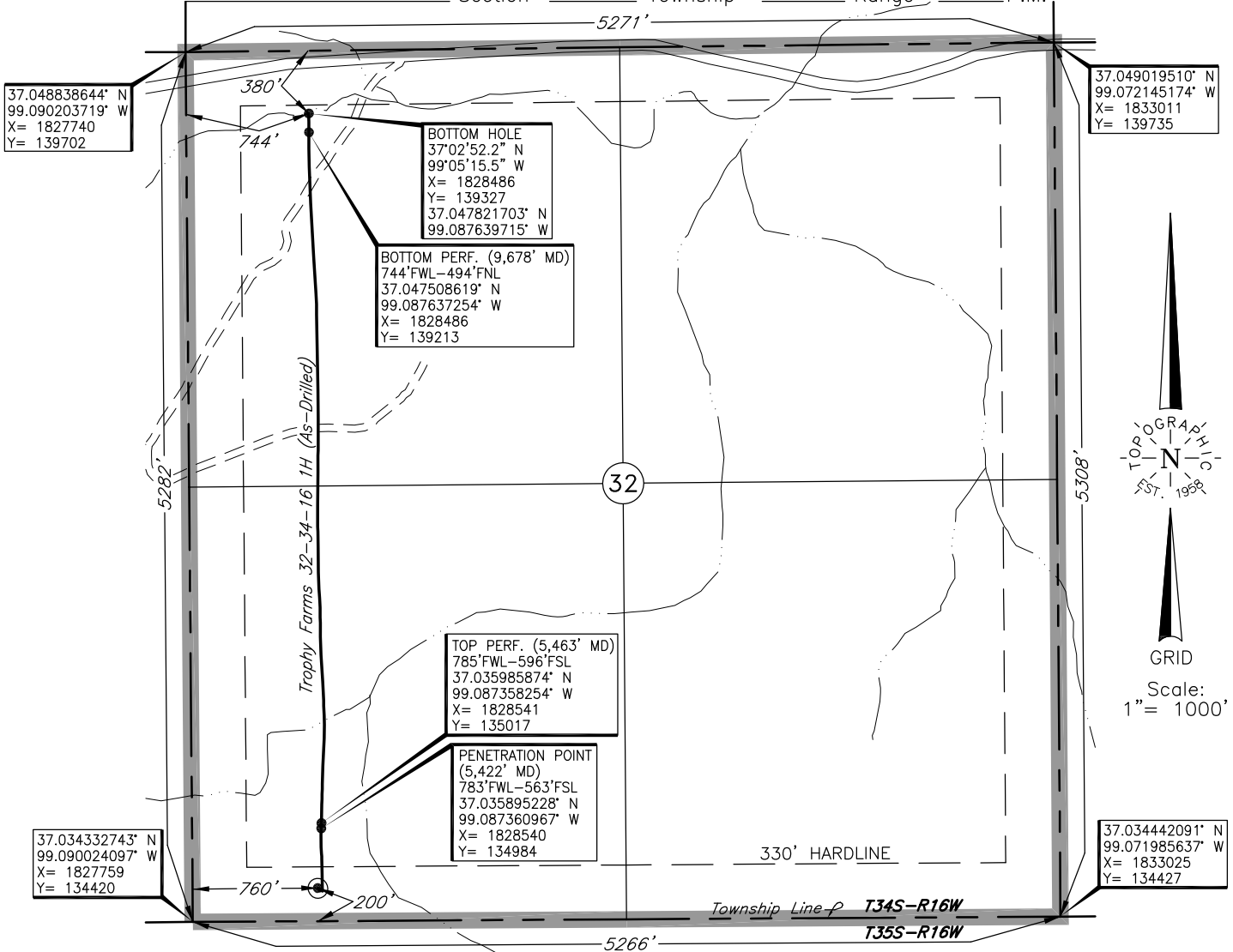
Checked By: _____ Approved By: _____ Date: _____

TOPOGRAPHIC LAND SURVEYORS

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. LS-99, Exp. Dec 31, 2012
 COMANCHE

County, Kansas

200'FSL - 760'FWL Section 32 Township 34S Range 16W P.M.



This location has been very carefully staked on the ground according to the best official survey records, maps, and photographs available to us, but its accuracy is not guaranteed.

Review this plat and notify us immediately of any possible discrepancy.

Operator: CHESAPEAKE OPERATING, INC.

Lease Name: TROPHY FARMS 32-34-16

Well No.: 1H

ELEVATION:
1807' Gr. at Stake

Topography & Vegetation Loc. fell in rough pasture, on top of East-West ridge

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From North off county road

Distance & Direction from Hwy Jct or Town From Coldwater, Ks., go 14 miles South, then 5 miles East, then 1 mile South, then ±8 miles East, then ±1.25 miles thru Sec. 29 & 32 to the SW Cor. of Sec. 32-T34S-R16W

GPS
 DATUM: NAD-27
 LAT: 37°02'05.6"N
 LONG: 99°05'14.7"W
 LAT: 37.034897921
 LONG: 99.087428495
 STATE PLANE
 COORDINATES:
 ZONE: KS SOUTH
 X: 1828518
 Y: 134621

178425 Date of Drawing: Jan. 20, 2012
 Invoice # 169025 Date Staked: Jun. 29, 2011 JP

FINAL AS-DRILLED PLAT

AS-DRILLED INFORMATION
 FURNISHED BY CHESAPEAKE OPERATING

Company: CHESAPEAKE OPERATING

Well: TROPHY FARMS 32-34-16-1H

Field:

County: COMANCHE

State: KANSAS

SLIM CEMENT BOND LOG CBLVDL/MAP

County: COMANCHE
 Field:
 Location: SHL: 200' FSL & 760 FWL
 Well: TROPHY FARMS 32-34-16-1H
 Company: CHESAPEAKE OPERATING

LOCATION		SHL: 200' FSL & 760 FWL	Elev.: K.B. 1823.00 ft
		BHL: 380' FNL & 745 FWL	G.L. 1807.00 ft
			D.F.
Permanent Datum:	GROUND LEVEL	Elev.: 1807.00 ft	
Log Measured From:	KELLY BUSHING	16.00 ft above Perm. Datum	
Drilling Measured From:	KELLY BUSHING		
API Serial No.	Section	Township	Range
15-033-21952	32	34S	1H

Logging Date	16-Nov-2011		
Run Number	1		
Depth Driller	9703 ft		
Schlumberger Depth	5584 ft		
Bottom Log Interval	5570 ft		
Top Log Interval	4300 ft		
Casing Fluid Type	FRESHWATER		
Salinity			
Density	8.4 lbm/gal		
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size	8.000 in		
From			
To			
Casing/Tubing Size	7.000 in		
Weight	26 lbm/ft		
Grade	P-110		
From	16 ft		
To	5210 ft		
Maximum Recorded Temperatures	131 degF		
Logger On Bottom	16-Nov-2011	11:47	
Unit Number	382	ELK CITY	
Recorded By	DAN GOODYEAR		
Witnessed By	DENNIS SPLAN		

	Run 1	Run 2	Run
PVT DATA			
Oil Density			
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation			
CEMENTING DATA			
Primary/Squeeze	Primary		
Casing String No			
Lead Cement Type			
Volume			
Density			
Water Loss			
Additives			
Tail Cement Type			
Volume			
Density			
Water Loss			
Additives			
Expected Cement Top			
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: 14-OCT-2011 10:34:45

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-B Serial Number: 6665 Calibration Date: 04-May-2011 Calibrator Serial Number: 33 Calibration Cable Type: 1-25P Wheel Correction 1: -5 Wheel Correction 2: -5	Type: CMTD-C Serial Number: 382 Calibration Date: 10-Oct-2011 Calibrator Serial Number: 78135 Number of Calibration Points: 10 Calibration RMS: 6 Calibration Peak Error: 11	Type: 1-25P Serial Number: 164 Length: 24000 FT Conveyance Method: Wireline Rig Type: LAND

Depth Control Parameters

Log Sequence:	First Log In the Well
Rig Up Length At Surface:	0.00 FT
Rig Up Length At Bottom:	0.00 FT
Rig Up Length Correction:	0.00 FT
Stretch Correction:	4.00 FT
Tool Zero Check At Surface:	1.00 FT

Depth Control Remarks

<ol style="list-style-type: none"> 1. Schlumberger depth policy dated April 2010 followed 2. IDW used as primary depth control 3. Z-Chart & Drum Counter used as secondary depth control 4. 5. 6.

DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES1	OTHER SERVICES2
OS1:	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
LOG CORRELATED TO SHORT JOINT AT 4447-4469 FT & 4788-4810 FT	
ESTIMATED TOP OF CEMENT AT: 4540 FT	
TOOL SHOULD READ IN FREE PIPE SHOULD READ FOR 7 INCH 26 LBS:	
CBL: 63 MV	

MAP: 100 MV

LINER TOP FOUND AT 5210 FT

CREW OF 382 WOULD LIKE TO THANK YOU FOR CHOOSING SCHLUMBERGER

RUN 1			RUN 2		
SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:			SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

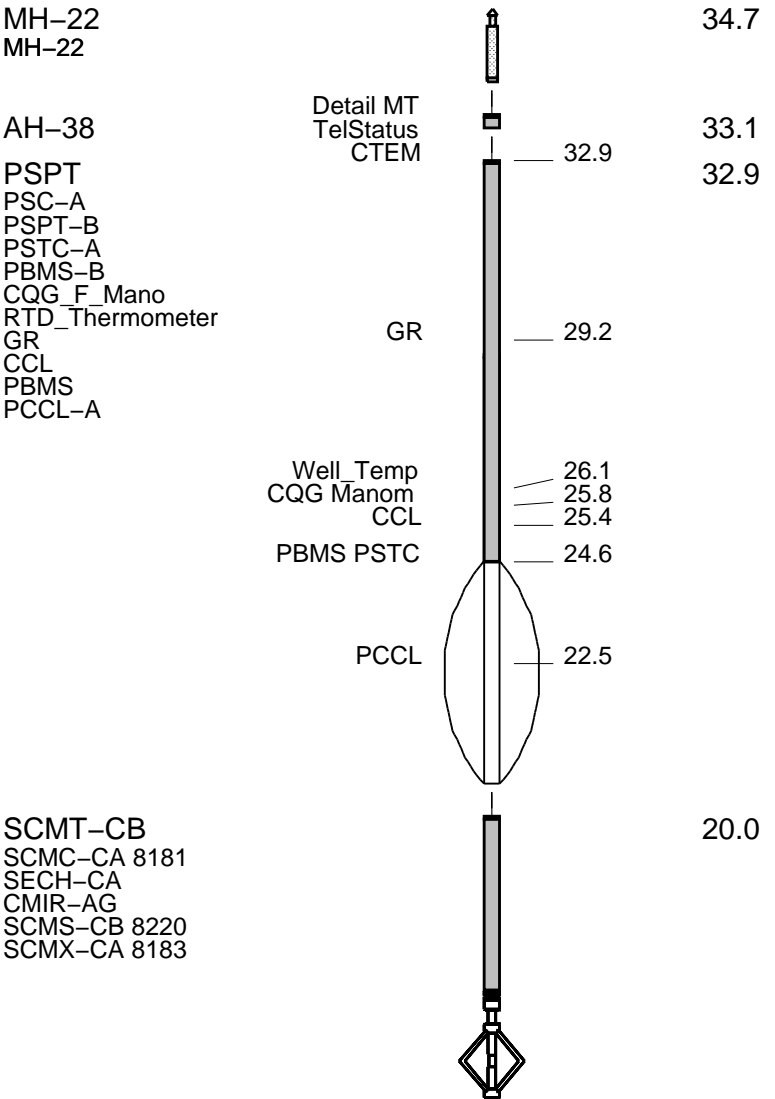
EQUIPMENT DESCRIPTION

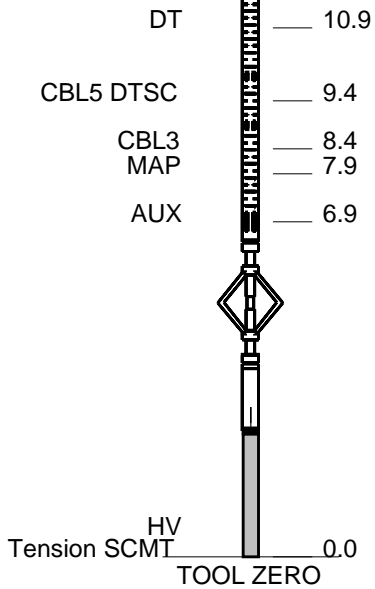
RUN 1 RUN 2

SURFACE EQUIPMENT

WITM-A
PSC_16MHZ

DOWNHOLE EQUIPMENT





MAXIMUM STRING DIAMETER 1.69 IN
 MEASUREMENTS RELATIVE TO TOOL ZERO
 ALL LENGTHS IN FEET



**MAIN PASS
 7 INCH**

MAXIS Field Log

Company: CHESAPEAKE OPERATING Well: TROPHY FARMS 32-34-16-11

Output DLIS Files

DEFAULT	SCMT_PSP_013LUP	FN:23	PRODUCER	16-Nov-2011 11:41
OP_FOLDER	SCMT_PSP_013LUP	FN:24	PRODUCER	16-Nov-2011 11:41

OP System Version: 18C0-147

SCMT-CB	18C0-147	PSPT	18C0-147
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Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
DFD	8.40 LB/G	8.40 LB/G	4832.4 11:49:32

PIP SUMMARY

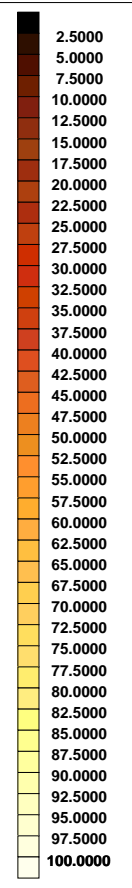
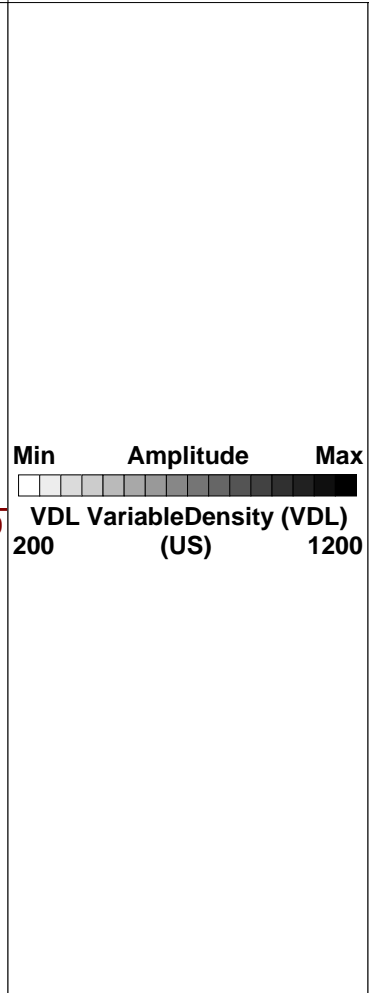
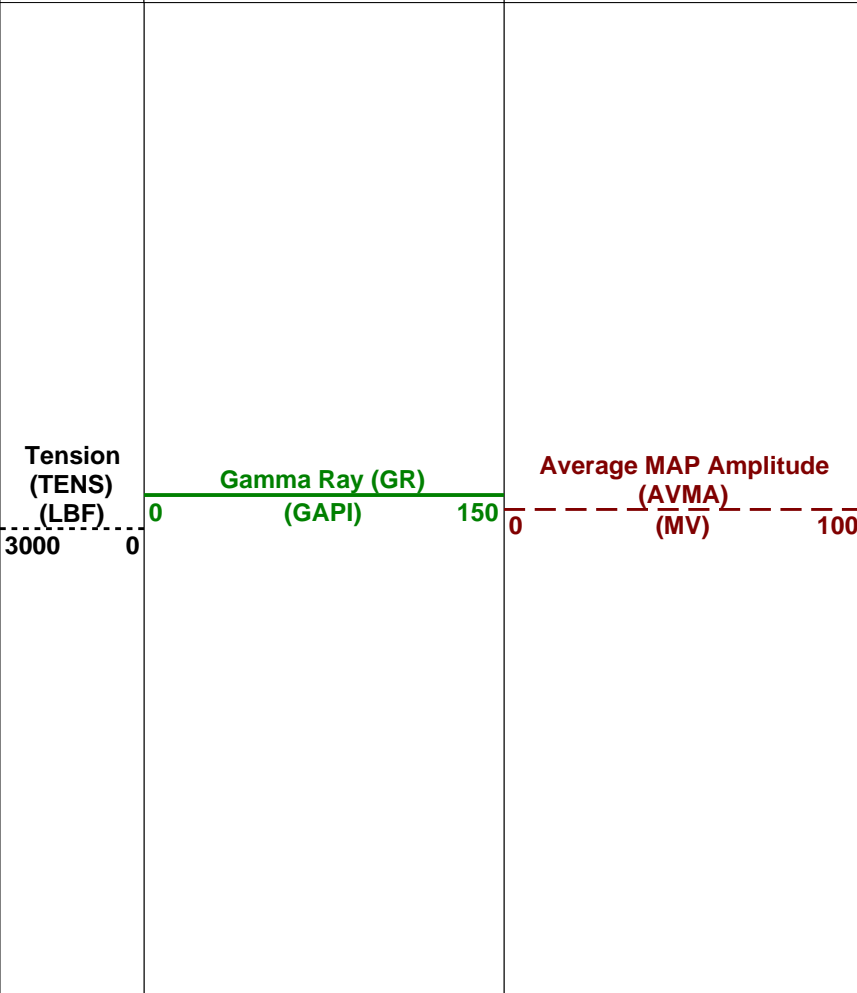
Time Mark Every 60 S

Cbl 3.ft Transit Time (TT)	GoodBond
200 (US) 400	From ACBL to GOBO
Well Pressure (WPRE)	Good Bond (GOBO)
0 (PSIA) 5000	0 (MV) 10
Well Temperature (WTEP)	CBL Amplitude (CBL)

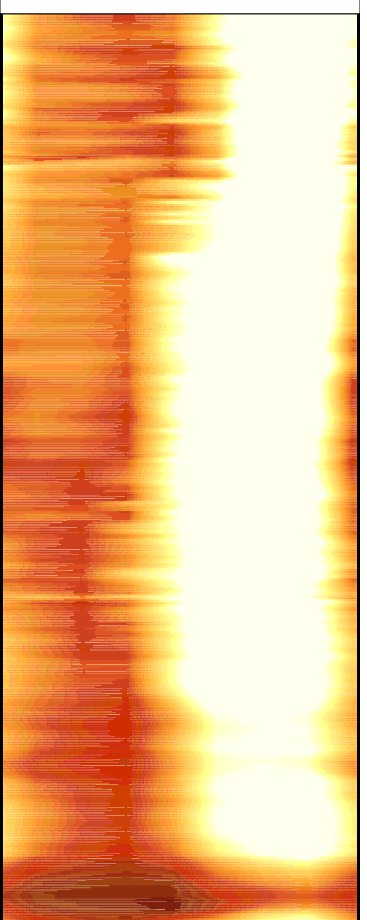
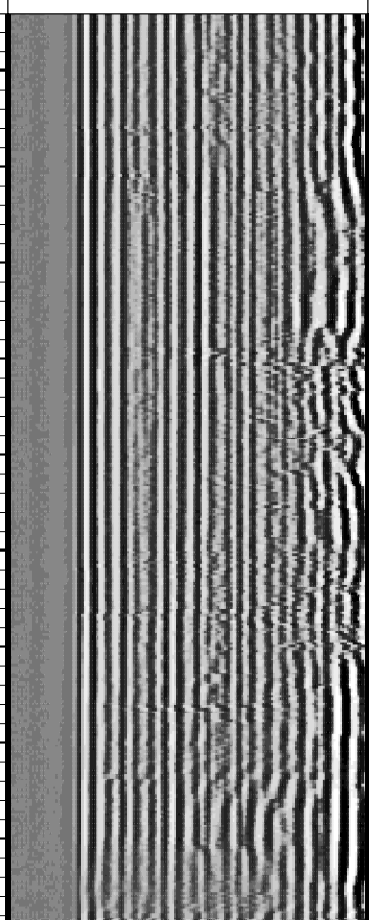
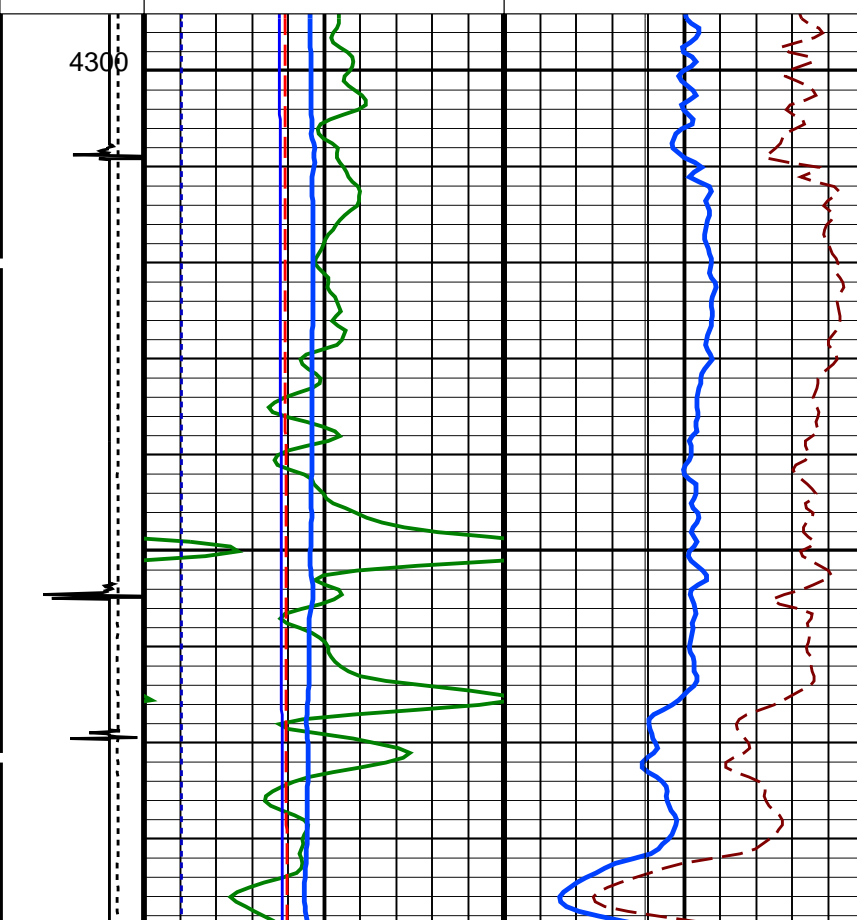
0 (DEGF) 300 0 (MV) 100

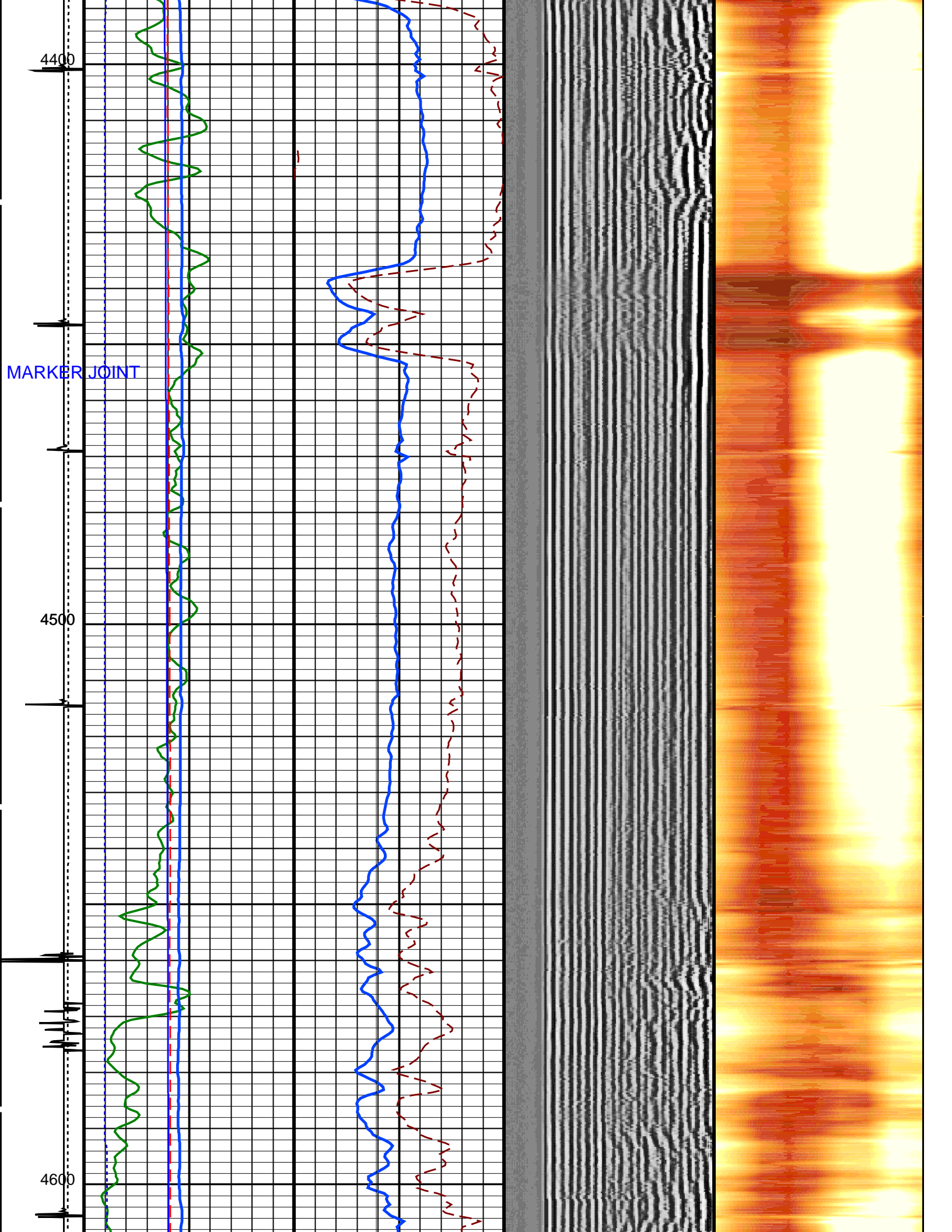
Discriminat
ed CCL
(CCLD) 0 Relative Bearing (RB_SCMT) (DEG) 360 0 CBL Amplitude (CBL) (MV) 10

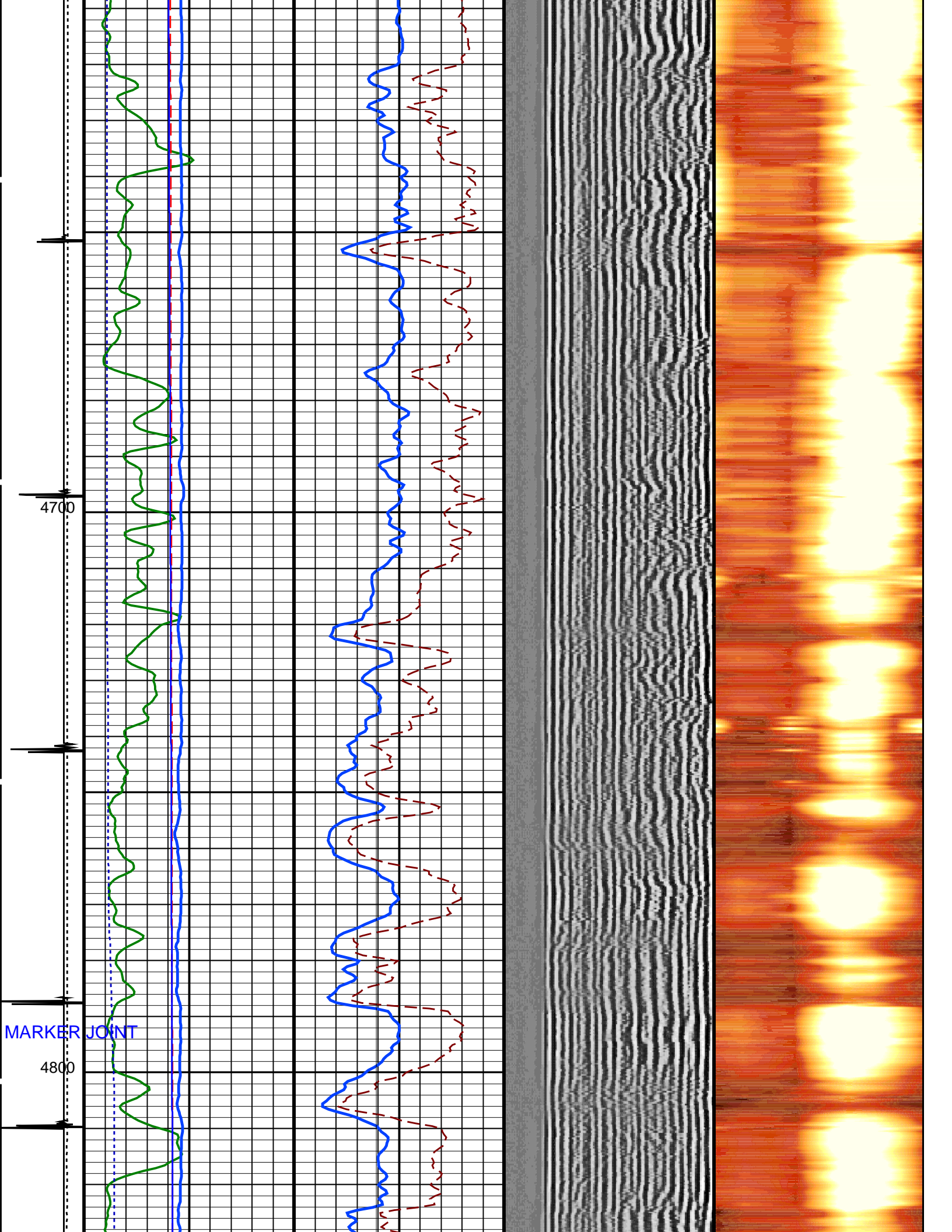
3 (V) -1

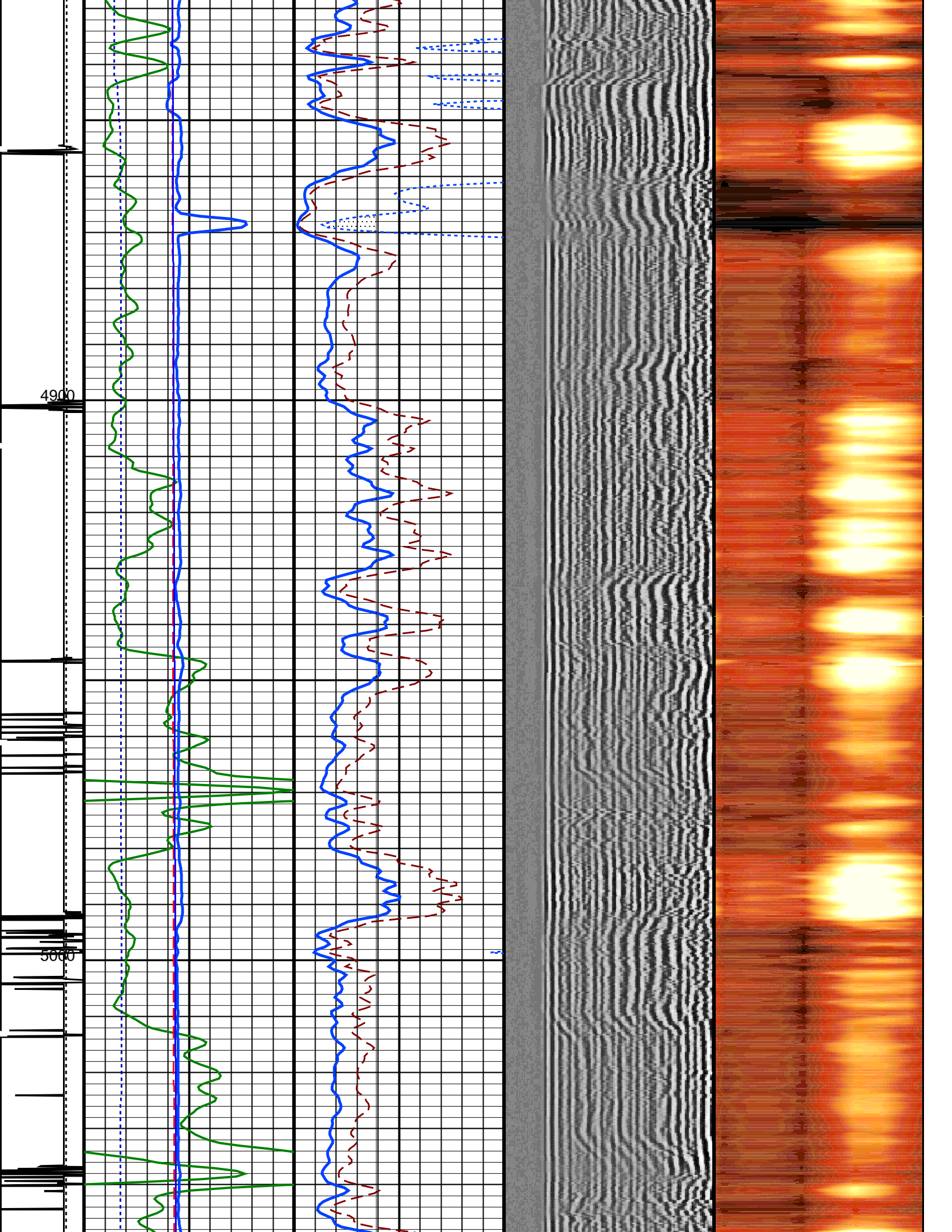


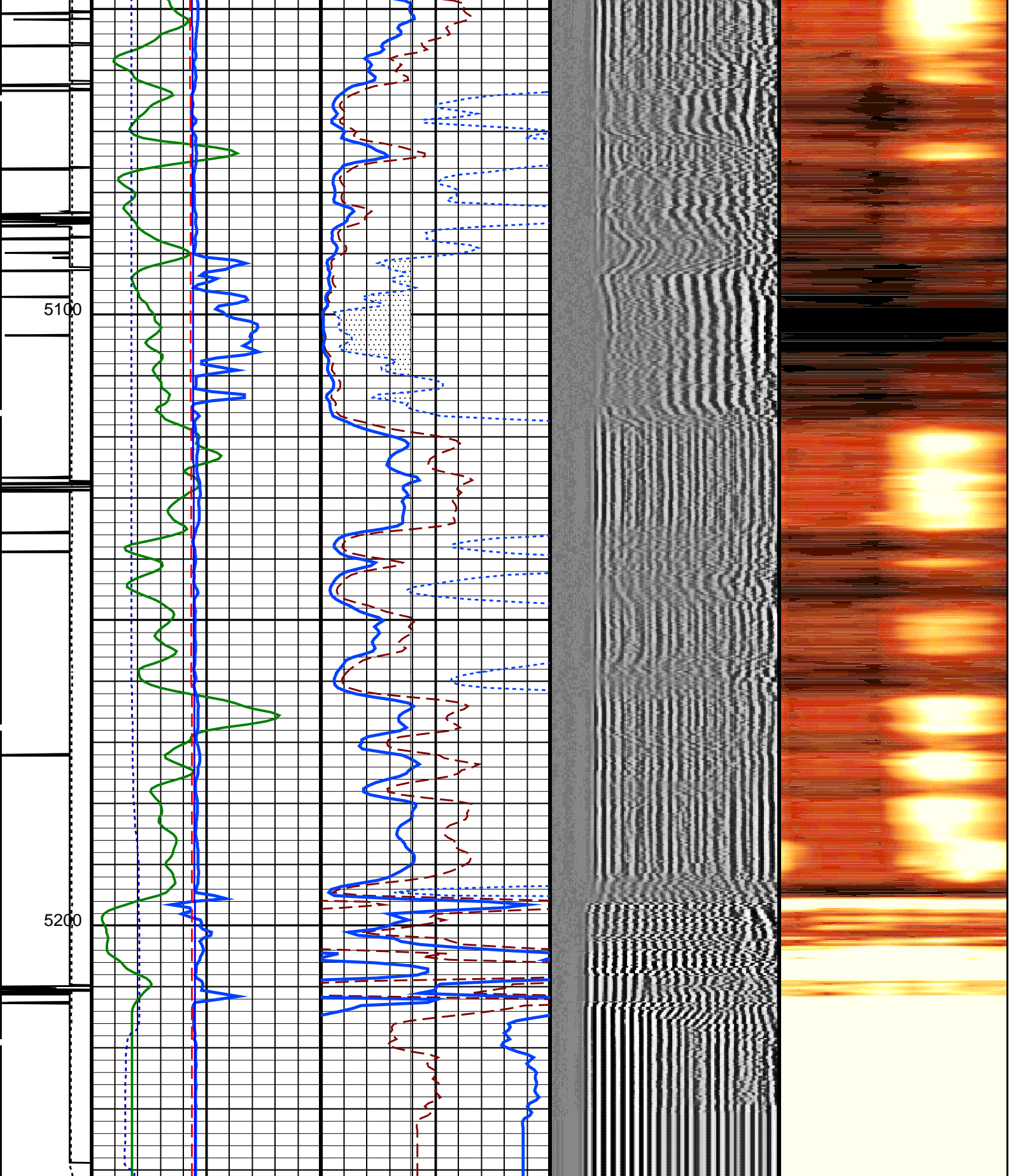
CBL Amplitude Mapping Image (0 - 100) (MPWF) (MV)



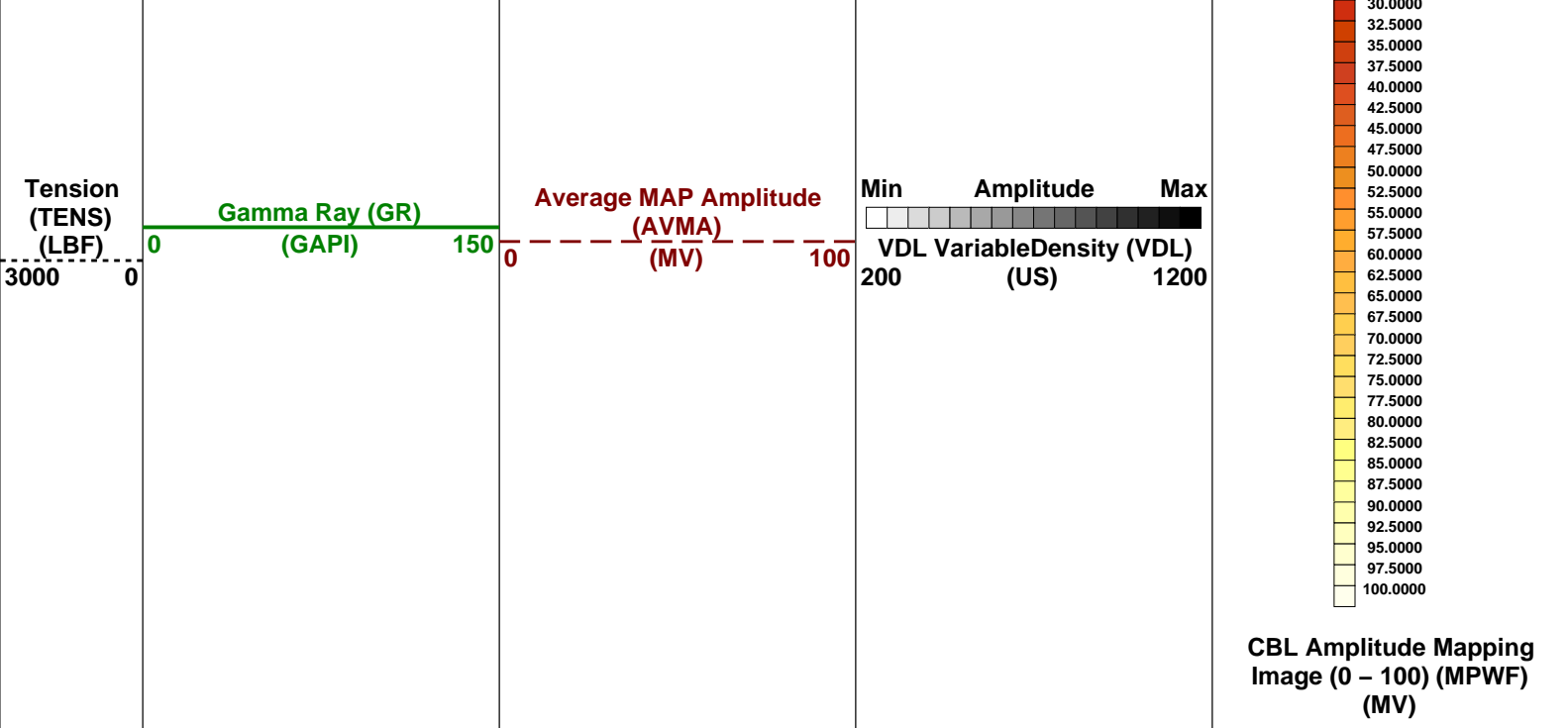








2.5000
5.0000
7.5000
10.0000
12.5000
15.0000
17.5000
20.0000
22.5000
25.0000
27.5000



Discriminated CCL (CCLD) (V) 3 -1	Relative Bearing (RB_SCMT) (DEG) 0 360	CBL Amplitude (CBL) (MV) 0 10
	Well Temperature (WTEP) (DEGF) 0 300	CBL Amplitude (CBL) (MV) 0 100
	Well Pressure (WPRE) (PSIA) 0 5000	Good Bond (GOBO) (MV) 0 10
	Cbl 3.ft Transit Time (TT) (US) 200 400	GoodBond From ACBL to GOBO

PIP SUMMARY

Time Mark Every 60 S

Format: Scmt_VDL_Image

Vertical Scale: 5" per 100'

Graphics File Created: 16-Nov-2011 11:41

OP System Version: 18C0-147

SCMT-CB 18C0-147 PSPT 18C0-147

<<<SCMT Cement Evaluation Information Summary>>>

Sonde Serial Number	SCMS-CB 8220		
Current Casing Size	7.0 IN		
Casing Weight	26.0 LB/F		
Expected CBL Amplitude in Free Pipe Section	62 MV	Minimum Sonic Amplitude	1.94803 MV (100% Cement)
			3.89184 MV (80% Cement)
		MAP Minimum Sonic Amplitude	11.3304 MV (100% Cement)
			17.5144 MV (80% Cement)
Master Calibration (Normalization)		Before Calibration (Adjustment)	
Date of Master Calibration	11-NOV-2011		
CBL Correction Factor	0.0836760	CBL Adjustment Factor (CBAF)	0.826660
MAP 1 Correction Factor	0.168813	MAP Adjustment Factor (MPAF)	0.833330
MAP 2 Correction Factor	0.173958		
MAP 3 Correction Factor	0.203247		
MAP 4 Correction Factor	0.165943		

MAP 5 Correction Factor 0.203120
 MAP 6 Correction Factor 0.162598
 MAP 7 Correction Factor 0.152948
 MAP 8 Correction Factor 0.174644

Parameters

DLIS Name	Description	Value	
SCMT-CB: Slim Cement Mapping Tool, 1-11/16 OD			
BILI	Bond Index Level for Zone Isolation	0.8	
CB3D	SCMT CBL 3 ft Peak Detection Mode	PEAK	
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	258.768	US
CB3T	SCMT CBL 3 ft Fixed Threshold Level	20	MV
CB5D	SCMT CBL 5 ft Peak Detection Mode	PEAK	
CB5G	SCMT CBL 5 ft Peak Detection T0_Delay and Noise Gate	372.768	US
CB5T	SCMT CBL 5 ft Fixed Threshold Level	20	MV
CBLG	CBL Gate Width	40	US
CBRA	CBL LQC Reference Amplitude in Free Pipe	62	MV
CMCF	CBL Cement Type Compensation Factor	1	
CMTC	SCMT Slow Channel Multiplexer Mode	SCAN	
CMTM	SCMT Operating Mode	LOG	
CSCS	SCMT Slow Channel Index	VCC	
CTHI	Casing Thickness	0.366591	IN
DTF	Delta-T Fluid	189	US/F
FATT	Acoustic Attenuation due to Fluid	0	DB/F
FCF	CBL Fluid Compensation Factor	0.924277	
GOBO	Good Bond	3.89184	MV
MAPD	SCMT MAP Peak Detection Mode	PEAK	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	201.768	US
MAPT	SCMT MAP Fixed Threshold Level	30	MV
MATT	Maximum Attenuation	11.6819	DB/F
MCCF	MAP Cement Type Compensation Factor	1	
MCI	Minimum Cemented Interval for Isolation	10	FT
MMSA	MAP Minimum Sonic Amplitude	11.3304	MV
MSA	Minimum Sonic Amplitude	1.94803	MV
PEDE	Peak Detection On/Off Switch in Playback	OFF	
RBC	Relative Bearing Correction Allow/Disallow	ALLOW	
VDLG	VDL Manual Gain	5	
ZCMT	Acoustic Impedance of Cement	6.8	MRAY
System and Miscellaneous			
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	26.00	LB/F
DFD	Drilling Fluid Density	8.40	LB/G
TD	Total Depth	5900	FT

Output DLIS Files

DEFAULT	SCMT_PSP_013LUP	FN:23	PRODUCER	16-Nov-2011 11:41
OP_FOLDER	SCMT_PSP_013LUP	FN:24	PRODUCER	16-Nov-2011 11:41

MAIN PASS
4.5 INCH

MAXIS Field Log

Company: _____ Well: _____

Output DLIS Files

DEFAULT	SCMT_PSP_012LUP	FN:21	PRODUCER	16-Nov-2011 11:30	5598.5 FT	5189.1 FT
OP_FOLDER	SCMT_PSP_012LUP	FN:22	PRODUCER	16-Nov-2011 11:30	5598.5 FT	5189.1 FT

OP System Version: 18C0-147

PIP SUMMARY

Time Mark Every 60 S

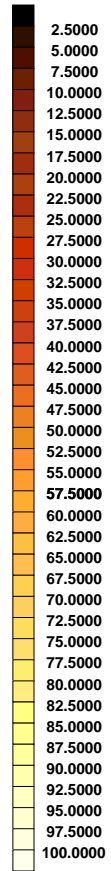
	Cbl 3.ft Transit Time (TT)		GoodBond	
	200	(US)	400	From ACBL to GOBO
	Well Pressure (WPRE)		Good Bond (GOBO)	
0	(PSIA)	5000	0	(MV)
Well Temperature (WTEP)		CBL Amplitude (CBL)		
0	(DEGF)	300	0	(MV)
Discriminat ed CCL (CCLD)	Relative Bearing (RB_SCMT)		CBL Amplitude (CBL)	
	0	(DEG)	360	0
3 (V) -1				

Tension (TENS) (LBF)	Gamma Ray (GR)		Average MAP Amplitude	
	0	(GAPI)	150	0
3000			(AVMA)	
0			0	
				100

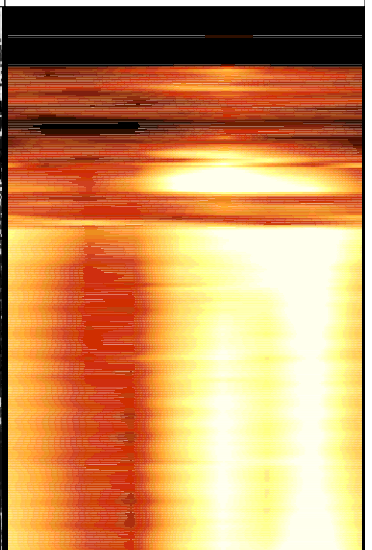
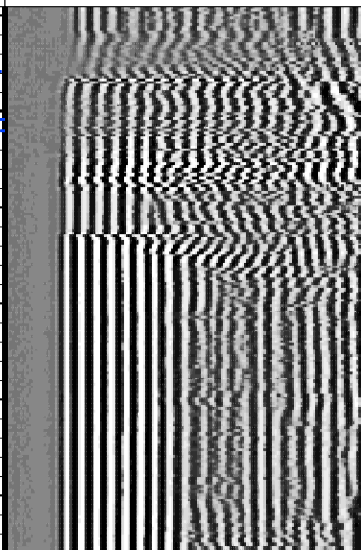
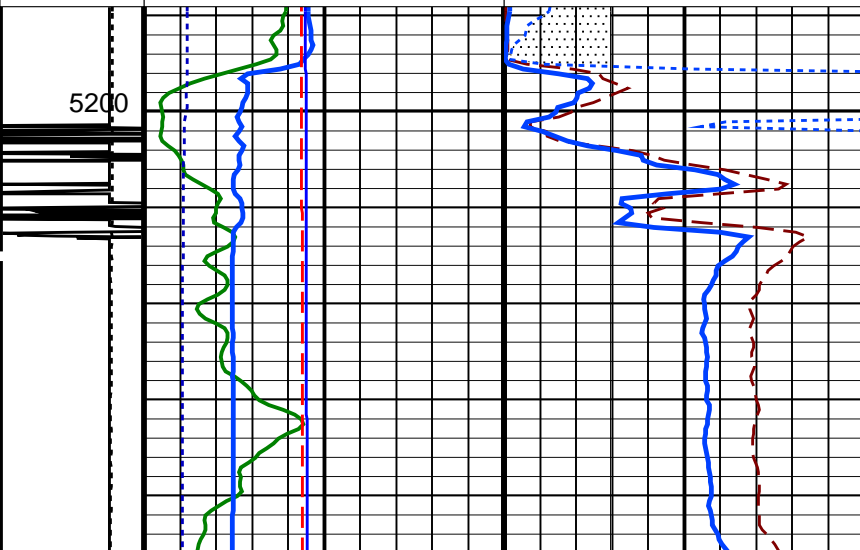
Min Amplitude Max

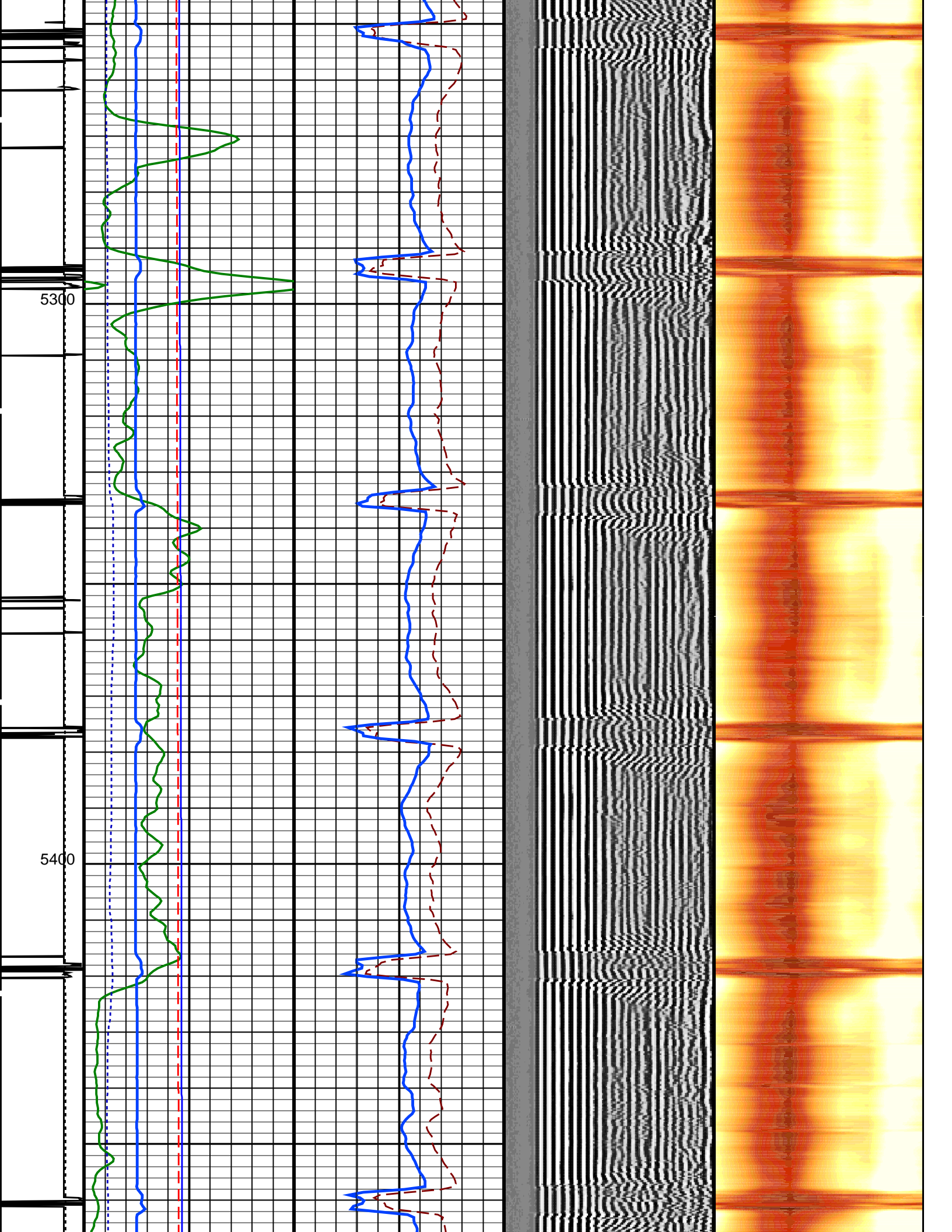
200 (US) 1200

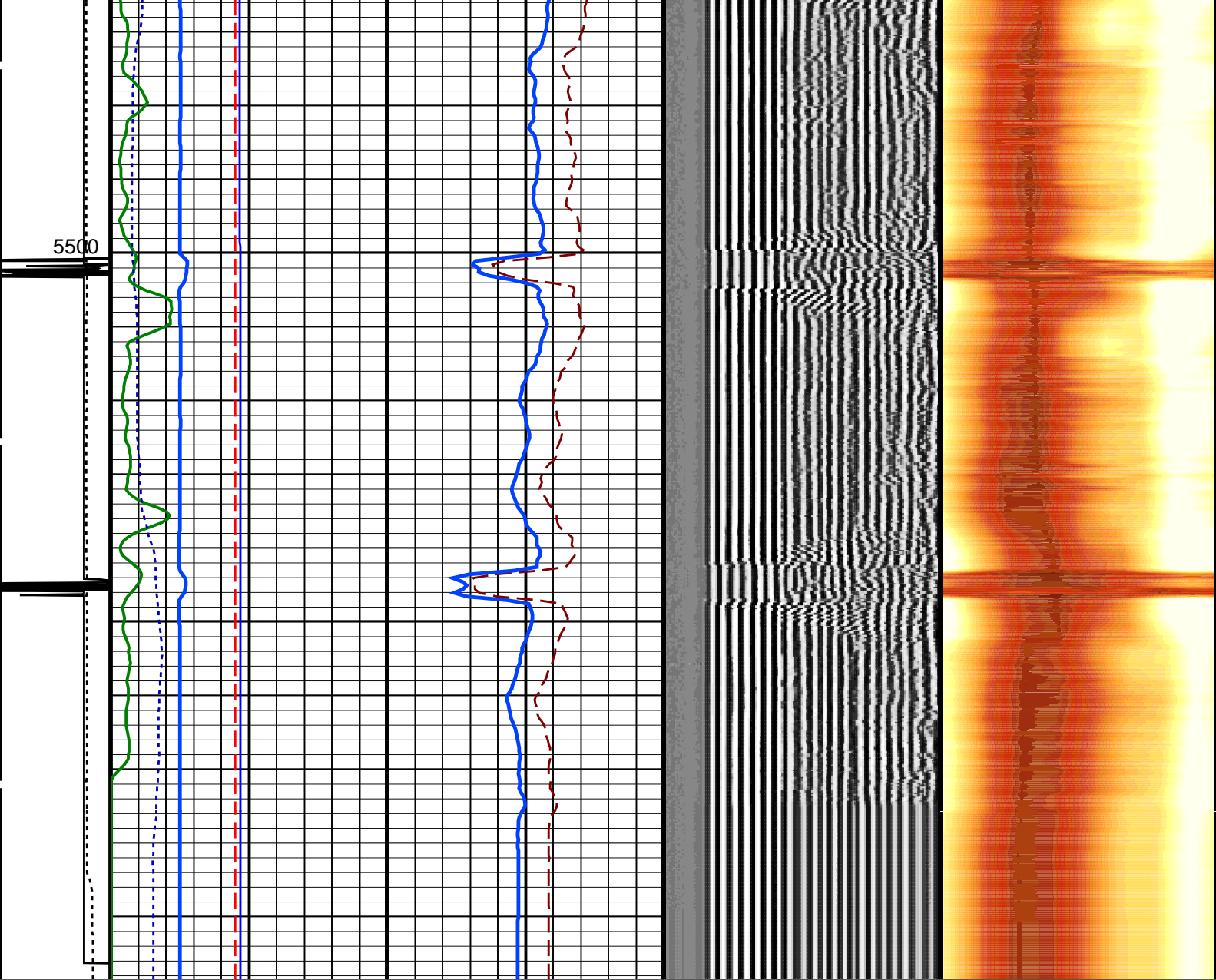
VDL VariableDensity (VDL)



CBL Amplitude Mapping Image (0 – 100) (MPWF) (MV)







Tension
(TENS)
(LBF)

3000 0

Gamma Ray (GR)
(GAPI)

0 150

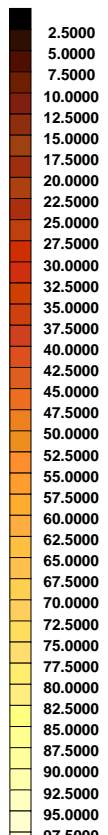
Average MAP Amplitude
(AVMA)
(MV)

0 100

Min Amplitude Max

VDL Variable Density (VDL)
(US)

200 1200



2.5000
5.0000
7.5000
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12.5000
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17.5000
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35.0000
37.5000
40.0000
42.5000
45.0000
47.5000
50.0000
52.5000
55.0000
57.5000
60.0000
62.5000
65.0000
67.5000
70.0000
72.5000
75.0000
77.5000
80.0000
82.5000
85.0000
87.5000
90.0000
92.5000
95.0000
97.5000

97.5000
100.0000

CBL Amplitude Mapping
Image (0 – 100) (MPWF)
(MV)

Discriminat ed CCL (CCLD)	<u>Relative Bearing (RB_SCMT)</u>		<u>CBL Amplitude (CBL)</u>	
	0	360	0	10
3 (V) -1	(DEG)		(MV)	
	<u>Well Temperature (WTEP)</u>		<u>CBL Amplitude (CBL)</u>	
	0	300	0	100
	(DEGF)		(MV)	
	<u>Well Pressure (WPRE)</u>		Good Bond (GOBO)	
	0	5000	0	10
	(PSIA)		(MV)	
	<u>Cbl 3.ft Transit Time (TT)</u>		GoodBond	
	200	400	From ACBL to GOBO	
	(US)			

PIP SUMMARY

Time Mark Every 60 S
Format: Scmt_VDL_Image Vertical Scale: 5" per 100' Graphics File Created: 16-Nov-2011 11:30

OP System Version: 18C0-147

SCMT-CB 18C0-147 PSPT 18C0-147

<<<SCMT Cement Evaluation Information Summary>>>

Sonde Serial Number	SCMS-CB 8220		
Current Casing Size	4.50000 IN		
Casing Weight	13.5000 LB/F		
Expected CBL Amplitude in Free Pipe Section	81 MV	Minimum Sonic Amplitude	1.28673 MV (100% Cement)
			2.94636 MV (80% Cement)
		MAP Minimum Sonic Amplitude	7.12449 MV (100% Cement)
			12.0838 MV (80% Cement)
Master Calibration (Normalization)	Before Calibration (Adjustment)		
Date of Master Calibration	11-NOV-2011		
CBL Correction Factor	0.0836760	CBL Adjustment Factor (CBAF)	0.826660
MAP 1 Correction Factor	0.168813	MAP Adjustment Factor (MPAF)	0.833330
MAP 2 Correction Factor	0.173958		
MAP 3 Correction Factor	0.203247		
MAP 4 Correction Factor	0.165943		
MAP 5 Correction Factor	0.203120		
MAP 6 Correction Factor	0.162598		
MAP 7 Correction Factor	0.152948		
MAP 8 Correction Factor	0.174644		

Parameters

DLIS Name	Description	Value	
	SCMT-CB: Slim Cement Mapping Tool, 1-11/16 OD		
BILI	Bond Index Level for Zone Isolation	0.8	
CB3D	SCMT CBL 3 ft Peak Detection Mode	PEAK	
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	223.206	US
CB3T	SCMT CBL 3 ft Fixed Threshold Level	20	MV
CB5D	SCMT CBL 5 ft Peak Detection Mode	PEAK	
CB5G	SCMT CBL 5 ft Peak Detection T0_Delay and Noise Gate	337.206	US
CB5T	SCMT CBL 5 ft Fixed Threshold Level	20	MV
CBLG	CBL Gate Width	40	US
CBRA	CBL LQC Reference Amplitude in Free Pipe	81	MV

CMCF	CBL Cement Type Compensation Factor	1	SCAN
CMTD	SCMT Slow Channel Multiplexer Mode		LOG
CMTM	SCMT Operating Mode		VCC
CSCS	SCMT Slow Channel Index		
CTHI	Casing Thickness	0.300677	IN
DTF	Delta-T Fluid	189	US/F
FATT	Acoustic Attenuation due to Fluid	0	DB/F
FCF	CBL Fluid Compensation Factor	0.924277	
GOBO	Good Bond	2.94636	MV
MAPD	SCMT MAP Peak Detection Mode	PEAK	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	166.206	US
MAPT	SCMT MAP Fixed Threshold Level	30	MV
MATT	Maximum Attenuation	14.0905	DB/F
MCCF	MAP Cement Type Compensation Factor	1	
MCI	Minimum Cemented Interval for Isolation	1.25	FT
MMSA	MAP Minimum Sonic Amplitude	7.12449	MV
MSA	Minimum Sonic Amplitude	1.28673	MV
PEDE	Peak Detection On/Off Switch in Playback	OFF	
RBC	Relative Bearing Correction Allow/Disallow	ALLOW	
VDLG	VDL Manual Gain	5	
ZCMT	Acoustic Impedance of Cement	6.8	MRAY
System and Miscellaneous			
CSIZ	Current Casing Size	4.500	IN
CWEI	Casing Weight	13.50	LB/F
DFD	Drilling Fluid Density	8.40	LB/G
TD	Total Depth	5900	FT

Output DLIS Files

DEFAULT	SCMT_PSP_012LUP	FN:21	PRODUCER	16-Nov-2011 11:30
OP_FOLDER	SCMT_PSP_012LUP	FN:22	PRODUCER	16-Nov-2011 11:30



REPEAT PASS

MAXIS Field Log

Company: CHESAPEAKE OPERATING Well: TROPHY FARMS 32-34-16-1

Output DLIS Files

DEFAULT	SCMT_PSP_014LUP	FN:25	PRODUCER	16-Nov-2011 12:00
OP_FOLDER	SCMT_PSP_014LUP	FN:26	PRODUCER	16-Nov-2011 12:00

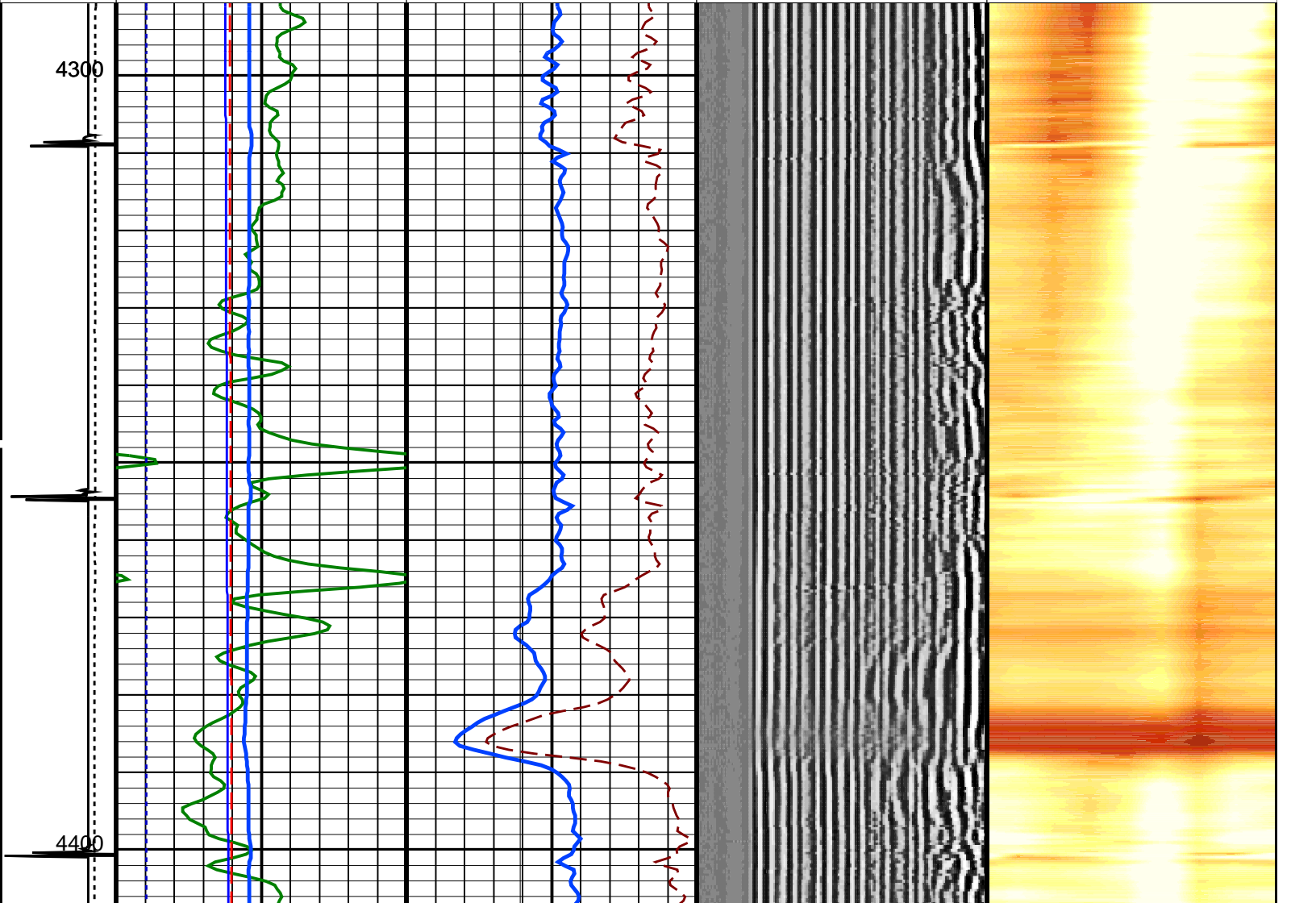
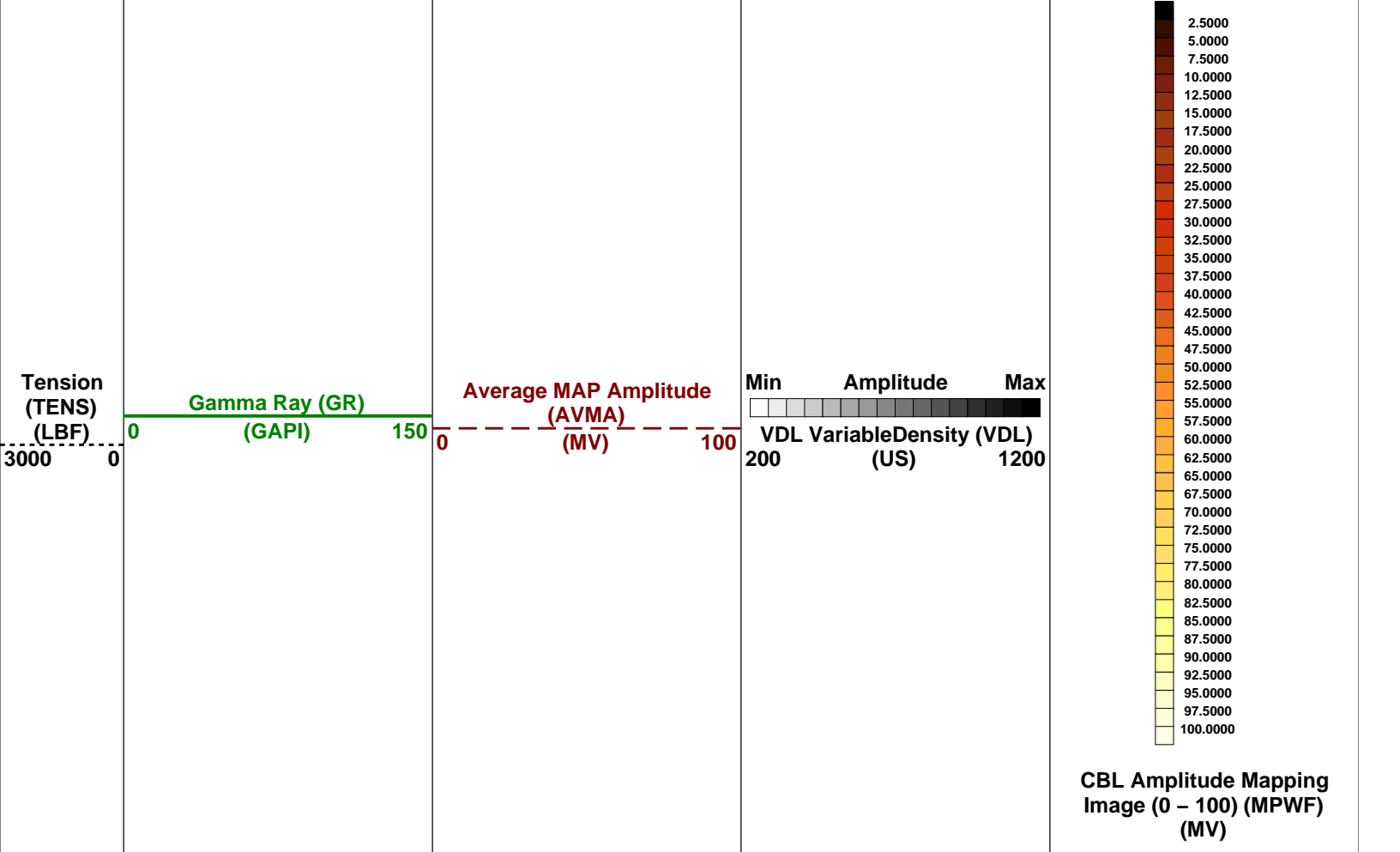
OP System Version: 18C0-147

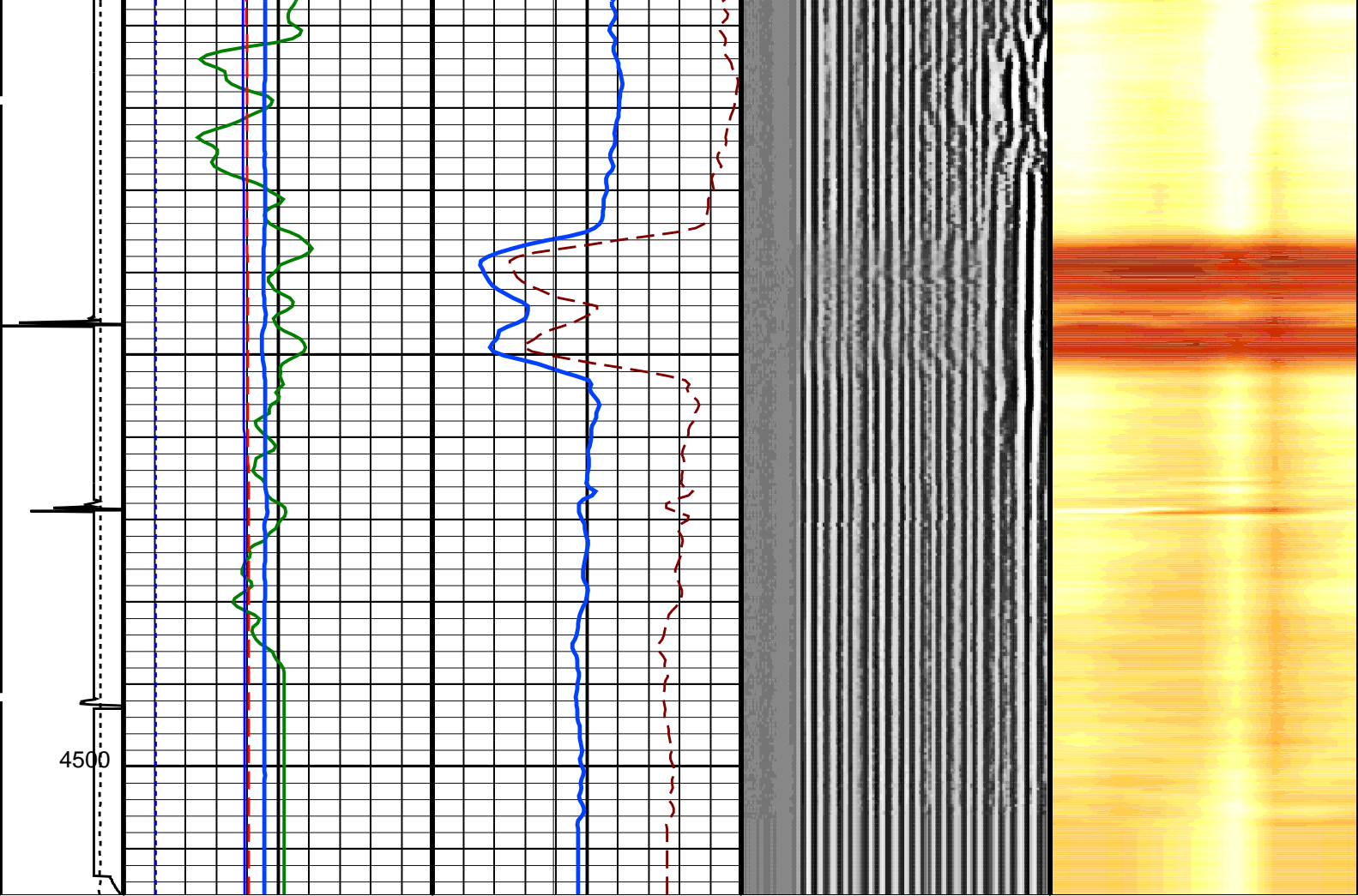
SCMT-CB	18C0-147	PSPT	18C0-147
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PIP SUMMARY

Time Mark Every 60 S

Discriminat ed CCL (CCLD) 3 (V) -1	<u>Cbl 3.ft Transit Time (TT)</u>	<u>GoodBond</u> From ACBL to GOBO
	200 (US) 400	
	<u>Well Pressure (WPRE)</u>	<u>Good Bond (GOBO)</u>
	0 (PSIA) 5000 0	(MV) 10
	<u>Well Temperature (WTEP)</u>	<u>CBL Amplitude (CBL)</u>
0 (DEGF) 300	0 (MV) 100	
	<u>Relative Bearing (RB_SCMT)</u>	<u>CBL Amplitude (CBL)</u>
0 (DEG) 360	0 (MV) 10	





4500

Tension
(TENS)
(LBF)

Gamma Ray (GR)
(GAPI)

Average MAP Amplitude
(AVMA)
(MV)

Min Amplitude Max
VDL Variable Density (VDL)
(US)

- 2.5000
- 5.0000
- 7.5000
- 10.0000
- 12.5000
- 15.0000
- 17.5000
- 20.0000
- 22.5000
- 25.0000
- 27.5000
- 30.0000
- 32.5000
- 35.0000
- 37.5000
- 40.0000
- 42.5000
- 45.0000
- 47.5000
- 50.0000
- 52.5000
- 55.0000
- 57.5000
- 60.0000
- 62.5000
- 65.0000
- 67.5000
- 70.0000
- 72.5000
- 75.0000
- 77.5000
- 80.0000
- 82.5000
- 85.0000
- 87.5000
- 90.0000
- 92.5000
- 95.0000
- 97.5000
- 100.0000

CBL Amplitude Mapping
Image (0 - 100) (MPWF)
(MV)

Discriminat
ed CCL

Relative Bearing (RB_SCMT)

CBL Amplitude (CBL)

(CCLD)	0	(DEG)	360	0	(MV)	10
3 (V) -1						
Well Temperature (WTEP)			CBL Amplitude (CBL)			
0	(DEGF)	300	0	(MV)	100	
Well Pressure (WPRE)			Good Bond (GOBO)			
0	(PSIA)	5000	0	(MV)	10	
Cbl 3.ft Transit Time (TT)			GoodBond From ACBL to GOBO			
200	(US)	400				

PIP SUMMARY

Time Mark Every 60 S

Format: Scmt_VDL_Image

Vertical Scale: 5" per 100'

Graphics File Created: 16-Nov-2011 12:00

OP System Version: 18C0-147

SCMT-CB 18C0-147 PSPT 18C0-147

<<<SCMT Cement Evaluation Information Summary>>>

Sonde Serial Number	SCMS-CB 8220		
Current Casing Size	7.0 IN		
Casing Weight	26.0 LB/F		
Expected CBL Amplitude in Free Pipe Section	62 MV	Minimum Sonic Amplitude	1.94803 MV (100% Cement) 3.89184 MV (80% Cement)
		MAP Minimum Sonic Amplitude	11.3304 MV (100% Cement) 17.5144 MV (80% Cement)
Master Calibration (Normalization)		Before Calibration (Adjustment)	
Date of Master Calibration	11-NOV-2011		
CBL Correction Factor	0.0836760	CBL Adjustment Factor (CBAF)	0.826660
MAP 1 Correction Factor	0.168813	MAP Adjustment Factor (MPAF)	0.833330
MAP 2 Correction Factor	0.173958		
MAP 3 Correction Factor	0.203247		
MAP 4 Correction Factor	0.165943		
MAP 5 Correction Factor	0.203120		
MAP 6 Correction Factor	0.162598		
MAP 7 Correction Factor	0.152948		
MAP 8 Correction Factor	0.174644		

Parameters

DLIS Name	Description	Value	
SCMT-CB: Slim Cement Mapping Tool, 1-11/16 OD			
BILI	Bond Index Level for Zone Isolation	0.8	
CB3D	SCMT CBL 3 ft Peak Detection Mode	PEAK	
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	258.768	US
CB3T	SCMT CBL 3 ft Fixed Threshold Level	20	MV
CB5D	SCMT CBL 5 ft Peak Detection Mode	PEAK	
CB5G	SCMT CBL 5 ft Peak Detection T0_Delay and Noise Gate	372.768	US
CB5T	SCMT CBL 5 ft Fixed Threshold Level	20	MV
CBLG	CBL Gate Width	40	US
CBRA	CBL LQC Reference Amplitude in Free Pipe	62	MV
CMCF	CBL Cement Type Compensation Factor	1	
CMTC	SCMT Slow Channel Multiplexer Mode	SCAN	
CMTM	SCMT Operating Mode	LOG	
CSCS	SCMT Slow Channel Index	VCC	
CTHI	Casing Thickness	0.366591	IN
DTF	Delta-T Fluid	189	US/F
FATT	Acoustic Attenuation due to Fluid	0	DB/F
FCF	CBL Fluid Compensation Factor	0.924277	
GOBO	Good Bond	3.89184	MV
MAPD	SCMT MAP Peak Detection Mode	PEAK	

MAPD	SCMT MAP Peak Detection Mode	201.768	US
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	30	MV
MAPT	SCMT MAP Fixed Threshold Level	11.6819	DB/F
MATT	Maximum Attenuation	1	
MCCF	MAP Cement Type Compensation Factor	10	FT
MCI	Minimum Cemented Interval for Isolation	11.3304	MV
MMSA	MAP Minimum Sonic Amplitude	1.94803	MV
MSA	Minimum Sonic Amplitude	OFF	
PEDE	Peak Detection On/Off Switch in Playback	ALLOW	
RBC	Relative Bearing Correction Allow/Disallow	5	
VDLG	VDL Manual Gain	6.8	MRAY
ZCMT	Acoustic Impedance of Cement		
System and Miscellaneous			
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	26.00	LB/F
DFD	Drilling Fluid Density	8.40	LB/G
TD	Total Depth	5900	FT

Output DLIS Files

DEFAULT	SCMT_PSP_014LUP	FN:25	PRODUCER	16-Nov-2011 12:00
OP_FOLDER	SCMT_PSP_014LUP	FN:26	PRODUCER	16-Nov-2011 12:00

Schlumberger

FREE PIPE

MAXIS Field Log

Company: _____ Well: _____

Output DLIS Files

DEFAULT	SCMT_PSP_005LUP	FN:7	PRODUCER	16-Nov-2011 10:27
OP_FOLDER	SCMT_PSP_005LUP	FN:8	PRODUCER	16-Nov-2011 10:27

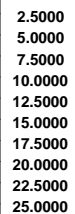
OP System Version: 18C0-147

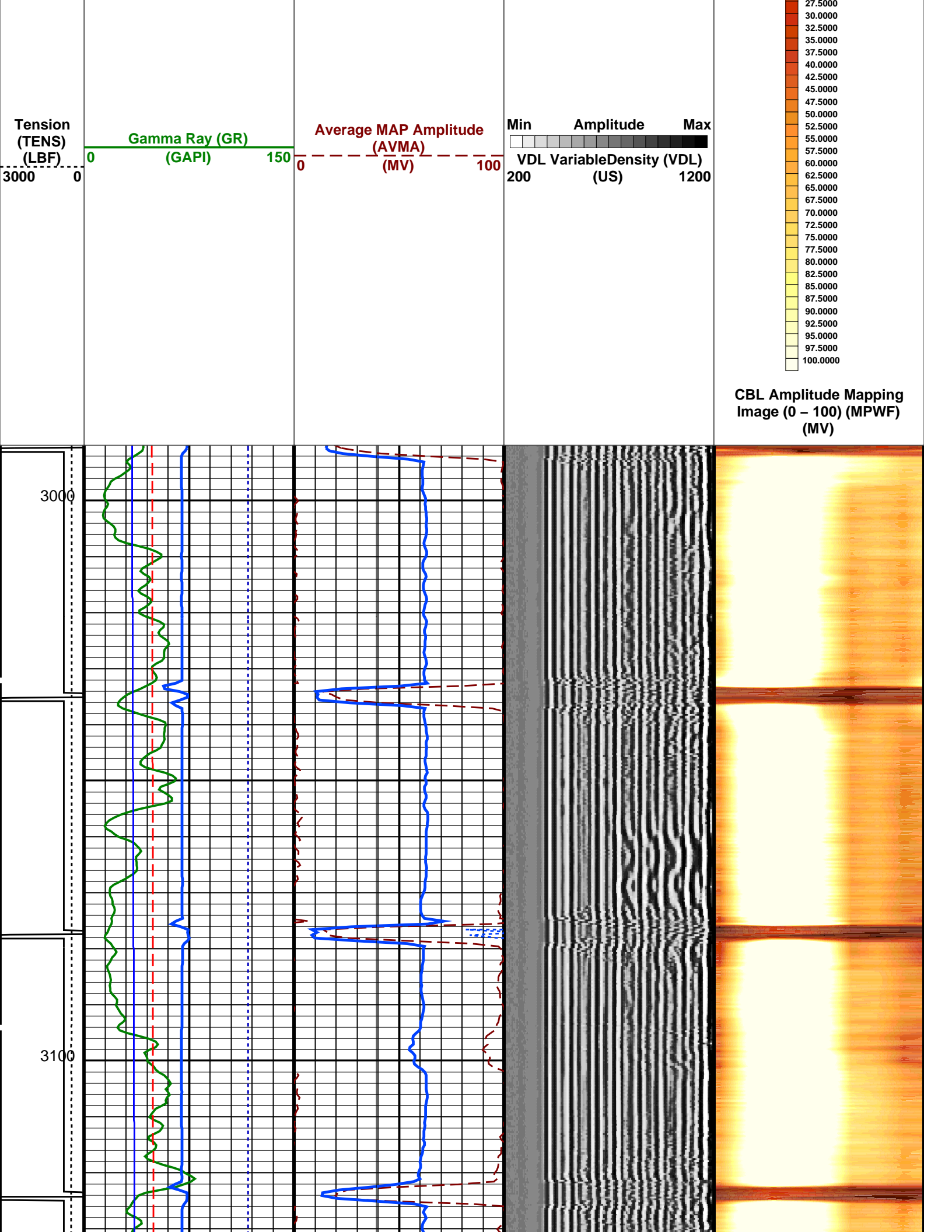
SCMT-CB 18C0-147 PSPT 18C0-147

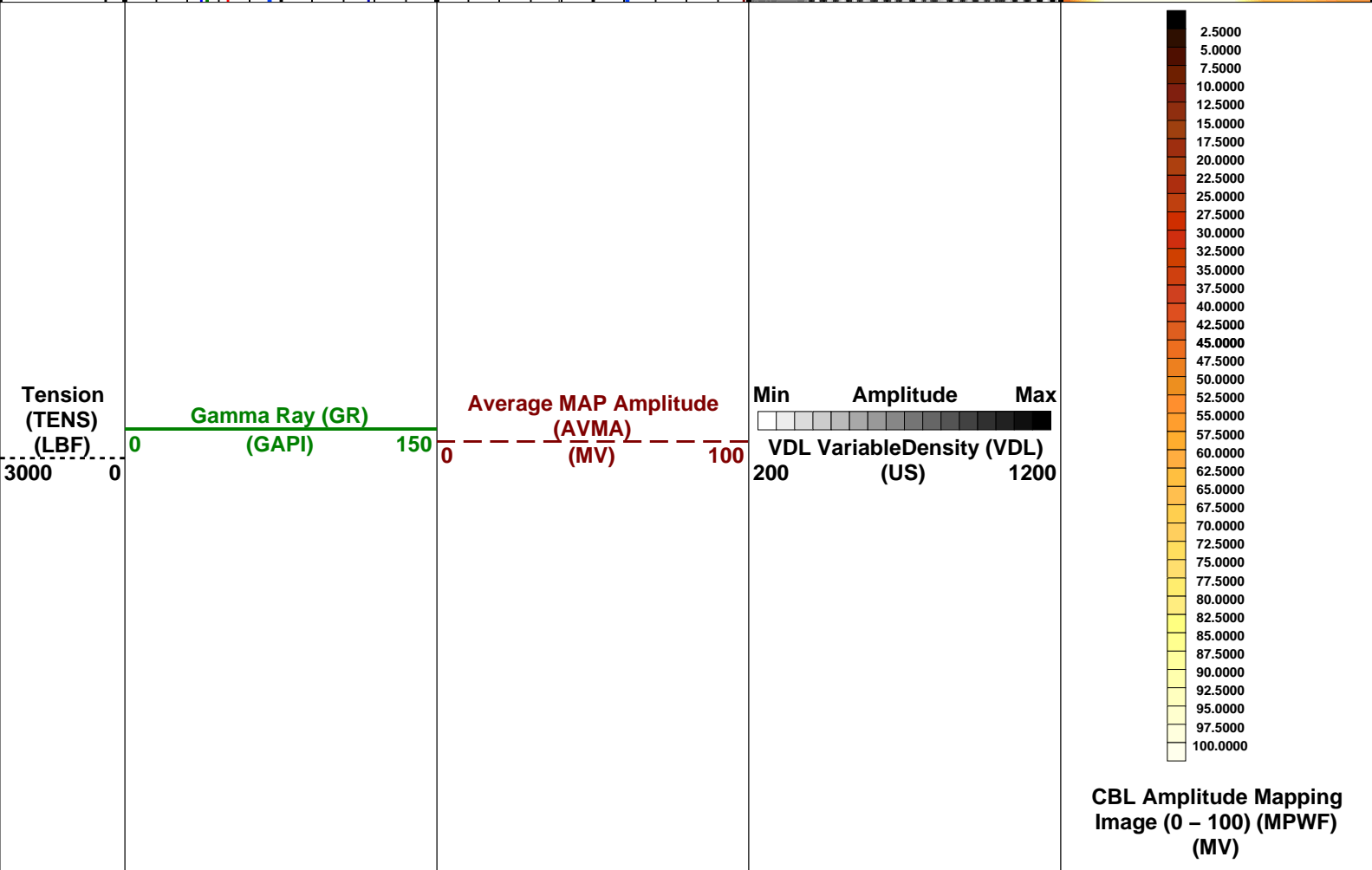
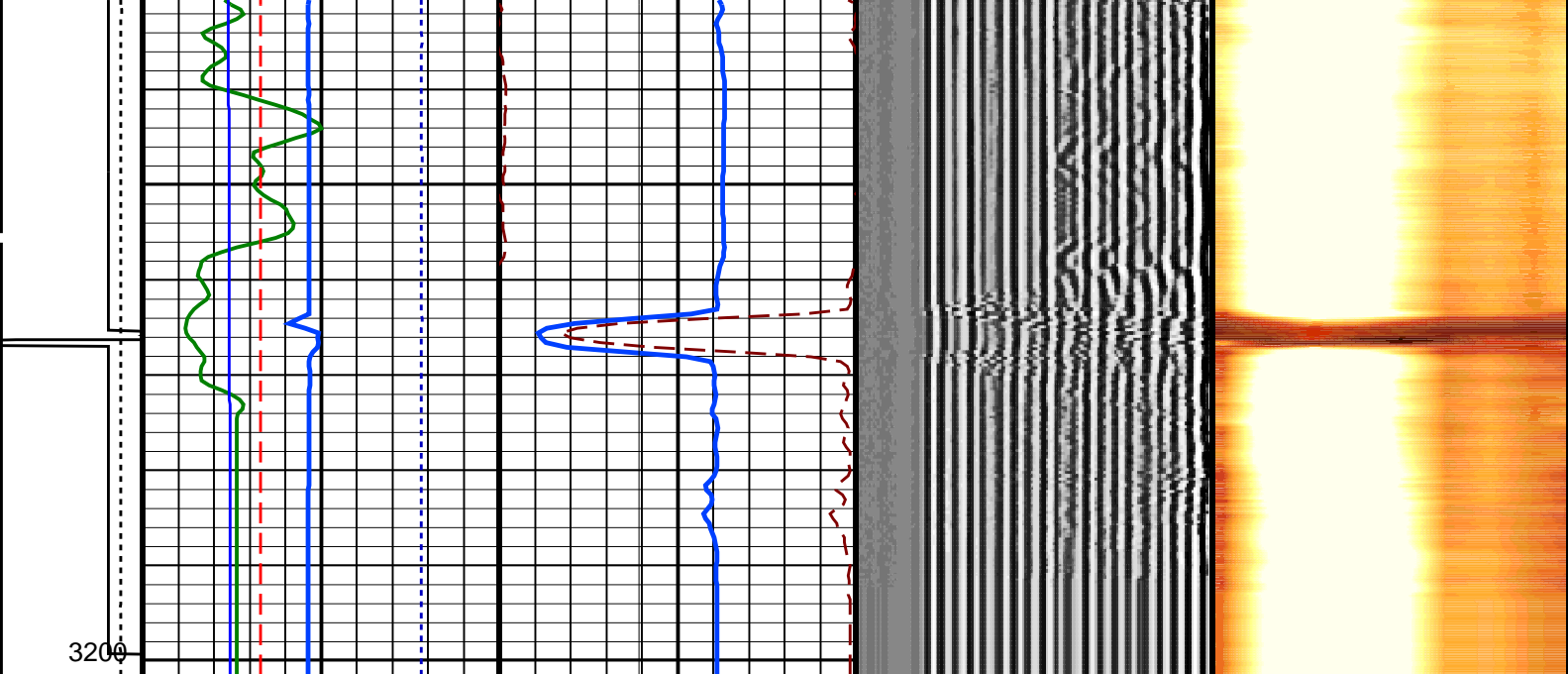
PIP SUMMARY

Time Mark Every 60 S

	Cbl 3.ft Transit Time (TT)	GoodBond
	200 (US) 400	From ACBL to GOBO
	Well Pressure (WPRE)	Good Bond (GOBO)
	0 (PSIA) 5000	0 (MV) 10
	Well Temperature (WTEP)	CBL Amplitude (CBL)
	0 (DEGF) 300	0 (MV) 100
Discriminat ed CCL (CCLD)	Relative Bearing (RB_SCMT)	CBL Amplitude (CBL)
3 (V) -1	0 (DEG) 360	0 (MV) 10







<p>Discriminat ed CCL (CCLD)</p> <p>3 (V) -1</p>	<p>Relative Bearing (RB_SCMT) (DEG)</p> <p>0 360</p>	<p>CBL Amplitude (CBL) (MV)</p> <p>0 10</p>
	<p>Well Temperature (WTEP) (DEGF)</p> <p>0 300</p>	<p>CBL Amplitude (CBL) (MV)</p> <p>0 100</p>
	<p>Well Pressure (WPRE) (PSIA)</p> <p>0 5000</p>	<p>Good Bond (GOBO) (MV)</p> <p>0 10</p>
	<p>Cbl 3.ft Transit Time (TT) (US)</p> <p>200 400</p>	<p>GoodBond From ACBL to GOBO</p>

OP System Version: 18C0-147

SCMT-CB 18C0-147 PSPT 18C0-147

<<<SCMT Cement Evaluation Information Summary>>>

Sonde Serial Number	SCMS-CB 8220		
Current Casing Size	7.0 IN		
Casing Weight	26.0 LB/F		
Expected CBL Amplitude in Free Pipe Section	62 MV	Minimum Sonic Amplitude	1.94803 MV (100% Cement)
			3.89184 MV (80% Cement)
		MAP Minimum Sonic Amplitude	11.3304 MV (100% Cement)
			17.5144 MV (80% Cement)
Master Calibration (Normalization)	Before Calibration (Adjustment)		
Date of Master Calibration	11-NOV-2011		
CBL Correction Factor	0.0836760	CBL Adjustment Factor (CBAF)	0.826660
MAP 1 Correction Factor	0.168813	MAP Adjustment Factor (MPAF)	0.833330
MAP 2 Correction Factor	0.173958		
MAP 3 Correction Factor	0.203247		
MAP 4 Correction Factor	0.165943		
MAP 5 Correction Factor	0.203120		
MAP 6 Correction Factor	0.162598		
MAP 7 Correction Factor	0.152948		
MAP 8 Correction Factor	0.174644		

Parameters

DLIS Name	Description	Value	
SCMT-CB: Slim Cement Mapping Tool, 1-11/16 OD			
BILI	Bond Index Level for Zone Isolation	0.8	
CB3D	SCMT CBL 3 ft Peak Detection Mode	PEAK	
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	258.768	US
CB3T	SCMT CBL 3 ft Fixed Threshold Level	20	MV
CB5D	SCMT CBL 5 ft Peak Detection Mode	PEAK	
CB5G	SCMT CBL 5 ft Peak Detection T0_Delay and Noise Gate	372.768	US
CB5T	SCMT CBL 5 ft Fixed Threshold Level	20	MV
CBLG	CBL Gate Width	40	US
CBRA	CBL LQC Reference Amplitude in Free Pipe	62	MV
CMCF	CBL Cement Type Compensation Factor	1	
CMTC	SCMT Slow Channel Multiplexer Mode	SCAN	
CMTM	SCMT Operating Mode	LOG	
CSCS	SCMT Slow Channel Index	VCC	
CTHI	Casing Thickness	0.366591	IN
DTF	Delta-T Fluid	189	US/F
FATT	Acoustic Attenuation due to Fluid	0	DB/F
FCF	CBL Fluid Compensation Factor	0.924277	
GOBO	Good Bond	3.89184	MV
MAPD	SCMT MAP Peak Detection Mode	PEAK	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	201.768	US
MAPT	SCMT MAP Fixed Threshold Level	30	MV
MATT	Maximum Attenuation	11.6819	DB/F
MCCF	MAP Cement Type Compensation Factor	1	
MCI	Minimum Cemented Interval for Isolation	10	FT
MMSA	MAP Minimum Sonic Amplitude	11.3304	MV
MSA	Minimum Sonic Amplitude	1.94803	MV
PEDE	Peak Detection On/Off Switch in Playback	OFF	
RBC	Relative Bearing Correction Allow/Disallow	ALLOW	
VDLG	VDL Manual Gain	5	
ZCMT	Acoustic Impedance of Cement	6.8	MRAY
System and Miscellaneous			
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	26.00	LB/F

DFD
TD

Drilling Fluid Density
Total Depth

8.40 LB/G
5900 FT

Output DLIS Files

DEFAULT	SCMT_PSP_005LUP	FN:7	PRODUCER	16-Nov-2011 10:27
OP_FOLDER	SCMT_PSP_005LUP	FN:8	PRODUCER	16-Nov-2011 10:27

Company: **CHESAPEAKE OPERATING**

Schlumberger

Well: **TROPHY FARMS 32-34-16-1H**

Field:

County: **COMANCHE**

State: **KANSAS**

SLIM CEMENT BOND LOG
CBL/VDL/MAP

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

January 20, 2012

Aletha Dewbre
Chesapeake Operating, Inc.
6100 N WESTERN AVE
PO BOX 18496
OKLAHOMA CITY, OK 73154-0496

Re: ACO1
API 15-033-21592-01-00
Trophy Farms 32-34-16 1H
SW/4 Sec.32-34S-16W
Comanche 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,
Aletha Dewbre

Notice of Conductor Pipe Installation

Installation Company Information

Firm Name	Elite Drilling, LLC.
Mailing Address	3105 Bent Creek Drive
City	Woodward
State	OK
Zip	73801

Kansas

Well Operator Information

Operator name	Chesapeake Operating, Inc.
Mailing Address	Rt. 1 Box 5-A
City	Waynoka
State	OK
Zip	73860

Well Information

Well Name	Trophy Farms 32-34-16-1H
Legal location	Sec. 32-34S-16W
Footage	
County	

Installation Details

Pipe Size	20"
Depth	120'
Completion Method	Displacement
Date installed	9/12/2011
Cement	18 yds Class A Type 1



BREAK THROUGH

COMPANY CHESAPEAKE OPERATING			FACILITY CLINTON		API Number		DATE September 28, 2011		
CONTRACTOR NOMAC 115			TOWN COLDWATER		STATE KS		LEGAL DESCRIPTION SEC. 31-T31S-R17W		
LEASE / WELL NUMBER TROPHY FARMS 32-34-16 1H			Ticket Number		COUNTY COMANCHE		MILEAGE ONE WAY 200		
DIRECTIONS GO 15 MILES SOUTH OF COLDWATER TO CR 714, GO 4 MILES EAST THEN 1 MILE SOUTH THEN 9 1/4 MILE EAST SOUTH INTO.									
Pumping Services	<input checked="" type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Longstring <input type="checkbox"/> Plug Back <input type="checkbox"/> Conductor <input type="checkbox"/> Liner <input type="checkbox"/> Squeeze <input type="checkbox"/> Acid <input type="checkbox"/> PTA <input type="checkbox"/> Other <input type="checkbox"/> H2S								
	Casing Size/Weight 9 5/8" / ?#	Thread 8RD	Tong/DP Size	Thread	Plug. Cont. X	Swage X	Top Plug X	Bottom Plug	% Excess 150
	Number and Type Units 1 - PUMP TRUCK, 1 - BULK TRUCKS, 1 - BODY LOAD BULK TRUCK						BHST 88	BHCT	Hole Size 12 1/4
	Remarks HAVE A SAFE JOB!						Depth-TMD 800	Depth-TVD 800	Mud Weight/Type 9.0# WBM
Cementing Materials	CEMENT	# of Sacks 275	Type 35:65 POZ STAN. CMT	Additives 1% CALCIUM CHLORIDE + 6% BENTONITE + .25 LB/SK SUPER FLAKE + 8% GYPSUM-60					
		Weight PPG 13.0	Yield Ft3/Sk 1.86	Water Gal/Sk 9.68					
		# of Sacks 145	Type STANDARD CEMENT	Additives 2% CALCIUM CHLORIDE + 0.25 LB/SK SUPER FLAKE					
		Weight PPG 15.6	Yield Ft3/Sk 1.19	Water Gal/Sk 5.20					
		# of Sacks 200	Type STANDARD CEMENT	Additives WITH 2% CALCIUM CHLORIDE ON THE SIDE					
		Weight PPG 15.6	Yield Ft3/Sk 1.19	Water Gal/Sk 5.20					
	Spacer or Flush	Quantity 30	Type FRESH WATER	REMARKS SPACER					
	Spacer or Flush	Quantity	Type	Additives					
	Other	Quantity 59	Type FRESH WATER	Additives DISPLACEMENT (ALWAYS REFIGURE ON LOCATION)					
	Remarks/HSE	TAKE 9 5/8 PLUG CONTAINER + MANIFOLD + 8 RD BOWEL + TAKE TOP WOODEN PLUG + TAKE 10 GALS OF NO FOAM + CIRCULATING IRON AND SWADGE ALREADY ON LOCATION + TAKE 1" SWADGE + TAKE 200 FT OF 1" PIPE + TAKE 1" HANDLING TOOLS + TALK TO CUSTOMER ABOUT PROCEDURES							
Sales Items	Casing Size	Casing Weight	Thread						
	Guide Shoe	Float Shoe	Float Collar		Insert Float Valve				
	Centralizers - Number	Size	Type						
	Well Cleaners - Number	Type	MSC (DV Tool)		MSC Plug Set				
	Limit Clamps	Weld-A	Other						
Remarks									
ERIC DOLPH / CURTIS TURNER			Phone Number 713-758-0862		Fax		Time of Call WIC		
Call Taken By JOEY BITTEL							Time Ready WIC		



COMPANY CHESAPEAKE OPERATING		FACILITY CLINTON		API Number GET FROM CUST.	DATE October 19, 2011				
CONTRACTOR NOMAC #115		TOWN COLDWATER	STATE KS	LEGAL DESCRIPTION SEC. 32-34-16					
LEASE / WELL NUMBER TROPHY FARMS #32-34-16 1H		Ticket Number 41-000000	COUNTY COMMANCHE	MILEAGE ONE WAY 200					
DIRECTIONS WOODWARD, OK - GO NORTH ON HWY 34 TO KANSAS STATE LINE - GO 4.4 MILES NORTH TO CR 714 OR AVE. W - GO 4 MILES EAST - GO 1 MILE SOUTH - GO 9.2 MILES EAST - SOUTH EAST INTO LOCATION									
Pumping Services	<input type="checkbox"/> Surface <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Longstring <input type="checkbox"/> Plug Back <input type="checkbox"/> Conductor <input type="checkbox"/> Liner <input type="checkbox"/> Squeeze <input type="checkbox"/> Acid <input type="checkbox"/> PTA <input type="checkbox"/> Other								
	Casing Size/Weight 7" / 26#	Thread 8RD	Tong/DP Size	Thread	Plug. Cont. X	Swage X	Top Plug X	Bottom Plug	% Excess 30
	Number and Type Units 1 - PUMP TRUCK, 1 - BULK TRUCK						BHST 132	BHCT 109	Hole Size 8 3/4
	Remarks HAVE A SAFE JOB!						Depth-TMD 5,788	Depth-TVD 5233	Mud Weight/Type 9.2 WBM
Cementing Materials	CEMENT	# of Sacks 140	Type 35:65 POZ CLASS H	Additives 6% BENTONITE + 1% CALCIUM CHLORIDE + 0.25 LB/SK SUPER FLAKE					
		Weight PPG 13.0	Yield F3/Sk 1.73	Water Gal/Sk 9.05					
		# of Sacks 90	Type CLASS H	Additives 0.2% CD-20 + 0.25 LB/SK SUPER FLAKE					
	Weight PPG 15.6	Yield F3/Sk 1.18	Water Gal/Sk 5.19						
	# of Sacks	Type	Additives						
	Weight PPG	Yield F3/Sk	Water Gal/Sk						
	# of Sacks	Type	Additives						
	Weight PPG	Yield F3/Sk	Water Gal/Sk						
	Spacer or Flush	Quantity 20 BBL	Type DUST FLUSH	REMARKS SPACER					
	Other	Quantity 220 BBL	Type FRESH WATER	Additives DISPLACEMENT (ALWAYS REFIGURE ON LOCATION)					
Remarks/H/SE	TAKE 7" PLUG CONTAINER + MANIFOLD + 8 RD BOWEL + TAKE TOP PLUG + TAKE 10 GAL OF NO FOAM + 4 SKS OF DUST FLUSH + 5 GAL OF SUPER OW-3 + CIRCULATING IRON AND SWADGE ALREADY ON LOCATION(R.ALPEERS) + TALK WITH CUSTOMER ABOUT PROCEDURES								
Sales Items	Casing Size	Casing Weight	Thread						
	Guide Shoe	Float Shoe	Float Collar	Insert Float Valve					
	Centralizers - Number	Size	Type						
	Well Cleaners - Number	Type	MSC (DV Tool)	MSC Plug Set					
	Limit Clamps	Weld-A	Other						
	Remarks								
Customer Rep. BILL CANNON / ERIC DOLPH		Phone Number 832-531-7284	Fax	Time of Call W/C					
Call Taken By JOEY BITTEL			Time Ready W/C						

OK



BREAK THROUGH

COMPANY CHESAPEAKE OPERATING			FACILITY CLINTON			API Number GET FROM CUST.		DATE November 4, 2011		
CONTRACTOR NOMAC #115			TOWN COLDWATER		STATE KS	LEGAL DESCRIPTION SEC. 32-34S-16W				
LEASE / WELL NUMBER TROPHY FARMS #32-34-16 1H			Ticket Number 41-000000	COUNTY COMMANCHE		MILEAGE ONE WAY 200				
DIRECTIONS WOODWARD, OK - GO NORTH ON HWY 34 TO KANSAS STATE LINE - GO 4.4 MILES NORTH TO CR 714 OR AVE. W - GO 4 MILES EAST - GO 1 MILE SOUTH - GO 9.2 MILES EAST - SOUTH EAST INTO LOCATION										
Pumping Services	<input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Longstring <input type="checkbox"/> Plug Deck <input type="checkbox"/> Conductor <input checked="" type="checkbox"/> Liner <input type="checkbox"/> Squeeze <input type="checkbox"/> Acid <input type="checkbox"/> PTA <input type="checkbox"/> Other <input type="checkbox"/> H2S									
	Casing Size/Weight 4-1/2" / 13.5#	Thread 8RD	Tbng/DP Size 4" / 14#	Thread	Plug. Cont.	Swage X	Top Plug X	Bottom Plug	% Excess 30	
	Number and Type Units 2 - PUMP TRUCKS, 3 - BULK TRUCKS						BHST 132	BHCT 109	Hole Size 6 1/8	
	Remarks HAVE A SAFE JOB!						Depth-TMD 9,791	Depth-TVD 5233	Mud Weight/Type 8.6 WVB	
Cementing Materials	CEMENT	# of Sacks 916	Type 50:50 POZ CLASS H	Additives 5% SALT (NaCl) (BWOW) + 2% BENTONITE + 0.6% SUPER FL-200 + 5 LB/SK PHENO SEAL + 0.2% SUPER CR-1						
		Weight PPG 14.5	Yield Ft ³ /Sk 1.29	Water Gal/Sk 5.6						
		# of Sacks	Type	Additives						
		Weight PPG	Yield Ft ³ /Sk	Water Gal/Sk						
		# of Sacks	Type	Additives						
		Weight PPG	Yield Ft ³ /Sk	Water Gal/Sk						
		# of Sacks	Type	Additives						
		Weight PPG	Yield Ft ³ /Sk	Water Gal/Sk	<i>9033 - 010-206</i>					
		Spacer or Flush 20 BBL	Quantity 20 BBL	Type DUST FLUSH	REMARKS SPACER					
		Other 106 BBL	Quantity 106 BBL	Type FRESH WATER	Additives DISPLACEMENT (ALWAYS REFIGURE ON LOCATION)					
Remarks/HSE	TAKE 10 GAL OF NO FOAM + 4 SKS OF DUST FLUSH + 5 GAL OF SUPER OW-3 + CIRCULATING IRON AND SWADGE ALREADY ON LOCATION(M. NOBLE) + TALK WITH CUSTOMER ABOUT PROCEDURES									
Sales Items	Casing Size	Casing Weight	Thread							
	Guide Shoe	Float Shoe	Float Collar		Insert Float Valve					
	Centralizers - Number	Size	Type							
	Well Cleaners - Number	Type	MSC (DV Tool)		MSC Plug Set					
	Limit Clamps	Wed-A	Other							
Remarks										
Customer Rep. BILL CANNON / ERIC DOLPH			Phone Number 832-531-7284		Fax		Time of Call WIC			
Call Taken By JOEY BITTEL							Time Ready WIC			

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