



FILE NO: OH090260
API NO: 05081078040000
COMPANY: SOUTHWESTERN ENERGY PROD CO
WELL: DIAMOND T SHEEP 7-92 1-26
FIELD: SAND WASH BASIN
COUNTY: MOFFAT STATE CO

Ver. 3.87
PRECISION 706
LOCATION: SHL LAT: 40.534283
SHL LONG: -107.693039
OTHER SERVICES: NONE

SEC 26 TWP 7N RGE 92W
ELEVATIONS: KB 6702 FT
DF
GL 6680 FT

PERMANENT DATUM GL ELEVATION 6680 FT
LOG MEASURED FROM KB 22 FT ABOVE P.D.
DRILL MEAS. FROM KB

DATE	04-SEP-2014
RUN	1
SERVICE ORDER	OH090260
DEPTH DRILLER	1296 FT
DEPTH LOGGER	1264 FT
BOTTOM LOGGED INTERVAL	1254 FT
TOP LOGGED INTERVAL	0 FT
CASING DRILLER	20 IN @ 140 FT
CASING LOGGER	152 FT
BIT SIZE	17.5 IN
TYPE OF FLUID IN HOLE	FRESH WATER
DENSITY	8.7 LB/G
PH	8.8
SOURCE OF SAMPLE	NA
RM AT MEAS. TEMP.	2.03 OHMM @ 75 DEGF
RMF AT MEAS. TEMP.	1.52 OHMM @ 70 DEGF
RMC AT MEAS. TEMP.	2.53 OHMM @ NA70
SOURCE OF RMF	CALCULATED
RM AT BHT	2.56 OHMM @ 97 DEGF
TIME SINCE CIRCULATION	6 HRS
MAX. RECORDED TEMP.	97 DEGF
EQUIP. NO.	6685
RECORDED BY	D SMITH
WITNESSED BY	BRANDON DUDMAN

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE THE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

BOREHOLE RECORD		
BIT SIZE	FROM	TO
17.5 IN	0 FT	1296 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
20 IN			0 FT	140 FT

REMARKS

RUN 1 TRIP 1: HDIL GR_TTRM RAN IN COMBINATION

HDIL RAN WITH 1.5" STANDOFFS

ABC TO CALCULATE STAND OFF
BOREHOLE FLUID: FRESH WATER

REPEAT RUN ABOVE TD AS REQUESTED BY COMPANY REPRESENTATIVE
USED DOWNHOLE SP IN PLACE OF STD SP TO DISPLAY BETTER DEFLECTION

THANK YOU FOR CHOOSING BAKER HUGHES WIRELINE SERVICES

EQUIPMENT DATA					
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	TTRM	3981XA	10516527	FREE
1	1	TELE	3514XA	10240730	FREE
1	1	GR	1329XA	10196895	FREE
1	1	HDIL	1515EA	10049598	STOODOFF
1	1	HDIL	1515MA	10037719	STOODOFF

MAIN LOG 1"/100FT SCALE

Updates: 1 Patches: 2

PARAMETER AND FILTER SUMMARY REPORT

SYMMETRIC FILTER				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)
TTRM	FILTER (i)	medium (1)		TOP BOTTOM
	FILTER (h)	medium (1)		" "
	FILTER (i)	medium (1)		" "
GR	FILTER (i)	medium (1)		" "
SP-SPDH	FILTER (i)	medium (1)		" "

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
MUD SAMPLE RESISTIVITY	MUD SAMPLE TEMP	77.0	degF	TOP	BOTTOM
	MUD SAMPLE RES	1.000	ohm.m	"	"
BOREHOLE TEMP from GRADIENT	Known BH REF TEMP	77.0	degF	"	"
	at BH REF DEPTH	0.0	ft	"	"
	with TEMP GRADIENT	1.200	0.01 degF/ft	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh*)	USE FIXED SIZE		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh*)	17.500	in	"	"
BH MUD RESISTIVITY SOURCE	RMUD SOURCE (HDIL)	TOOL MEASURED		"	"

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTEMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		"	"
	ABC to CALCULATE	STANDOFF		"	"
	STANDOFF	1.50	in	"	"
	TOOL POSITION	ECCENTERED		"	"
	Rmud MULTIPLIER	1.000		"	"

CURVE DESCRIPTION REPORT

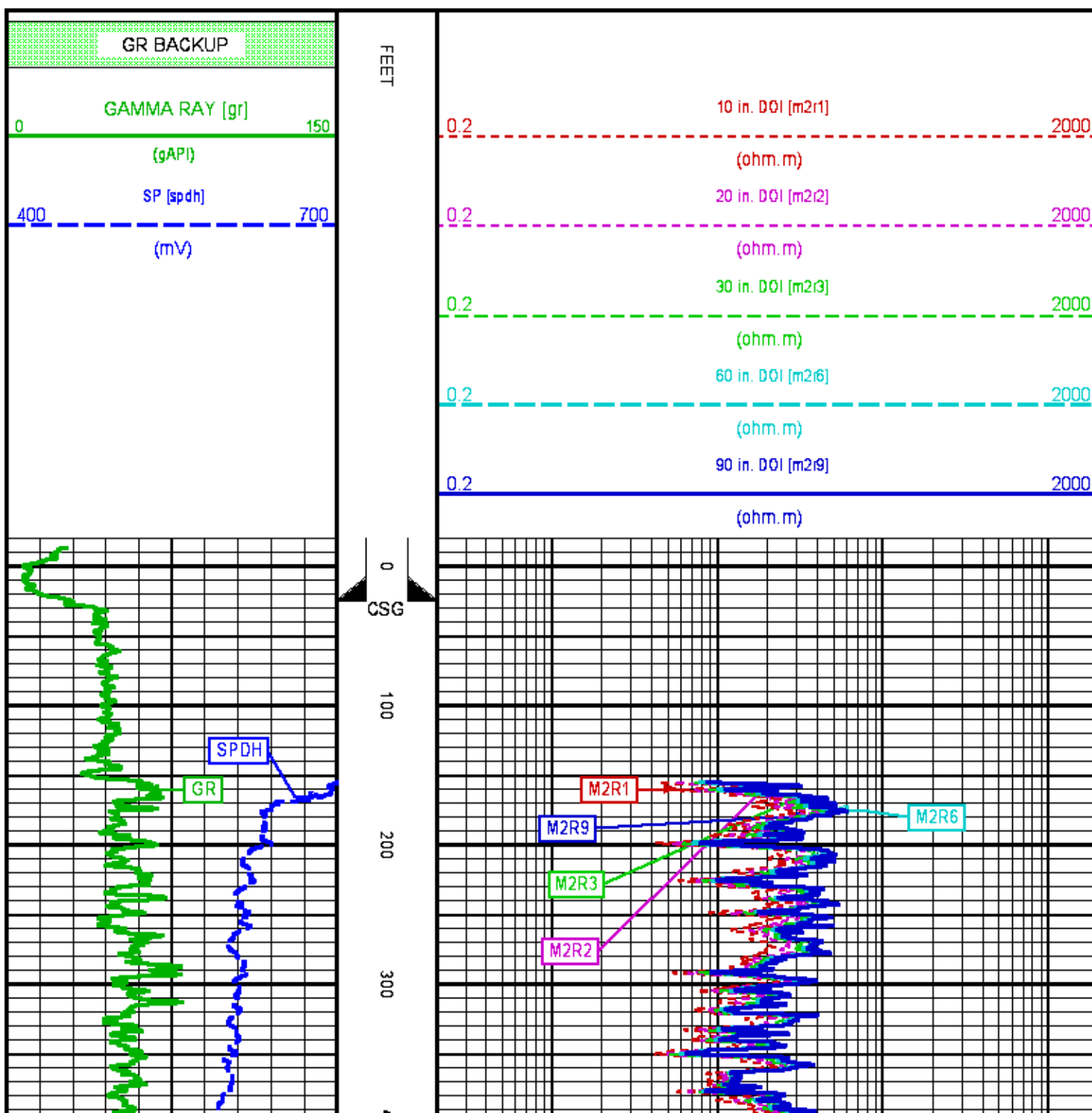
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:GR	Sep 4 20:49:34 2014	GAMMA RAY
F1:M2R1	Sep 4 20:49:34 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI
F1:M2R2	Sep 4 20:49:34 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M2R3	Sep 4 20:49:34 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI
F1:M2R6	Sep 4 20:49:34 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI

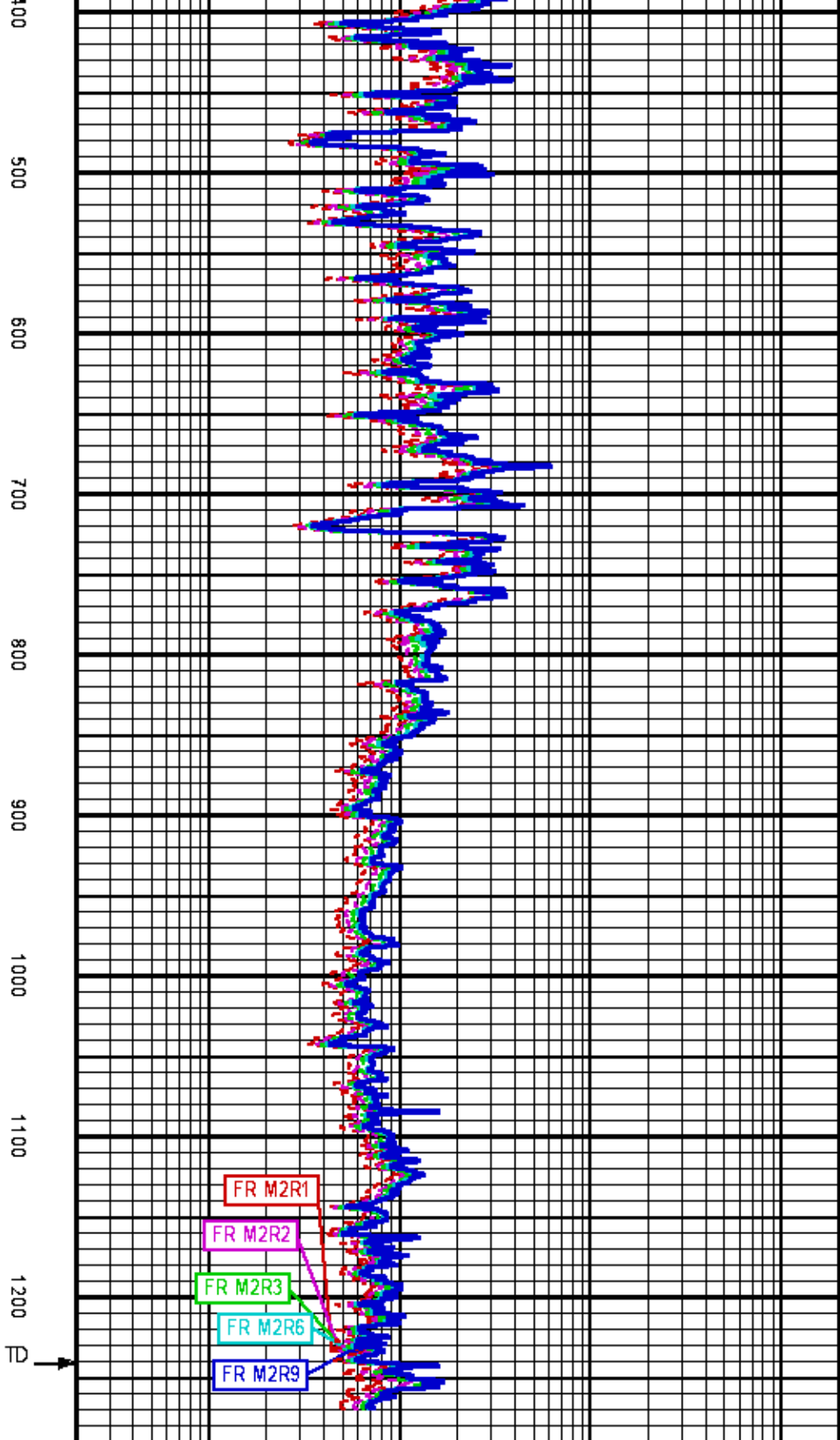
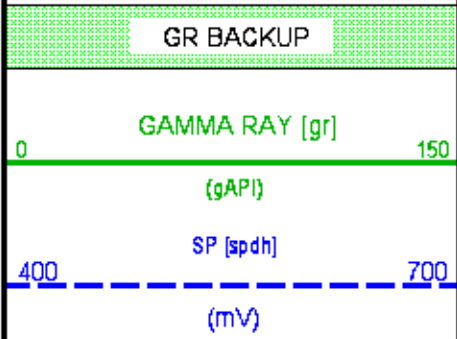
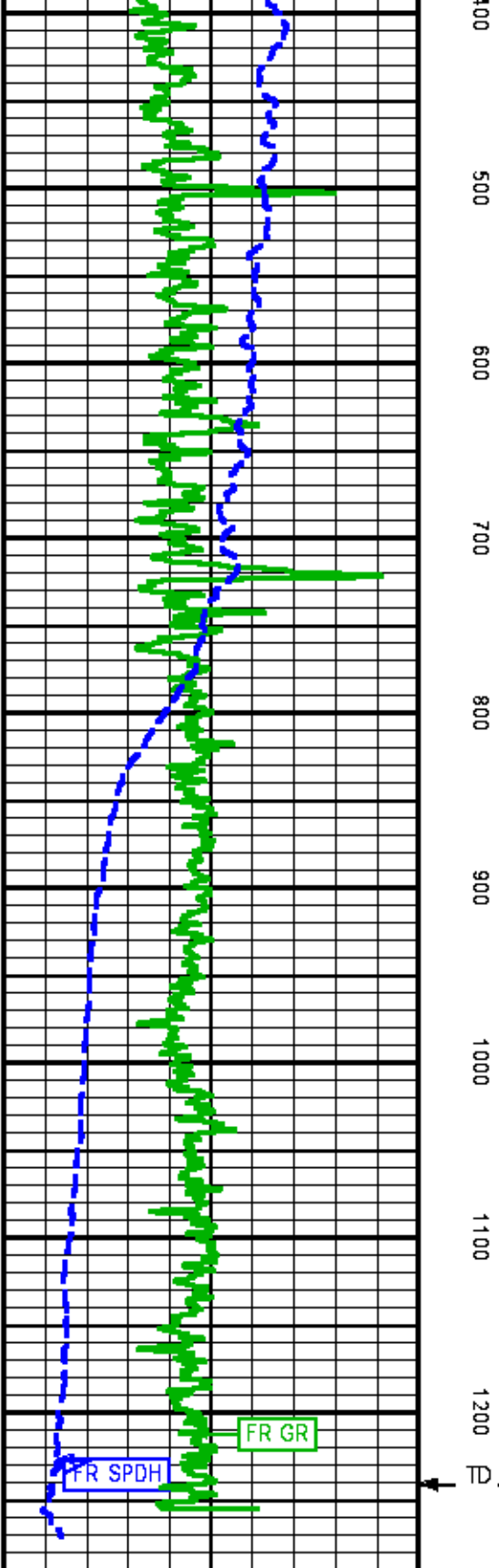
CURVE MEASURE POINT OFFSET

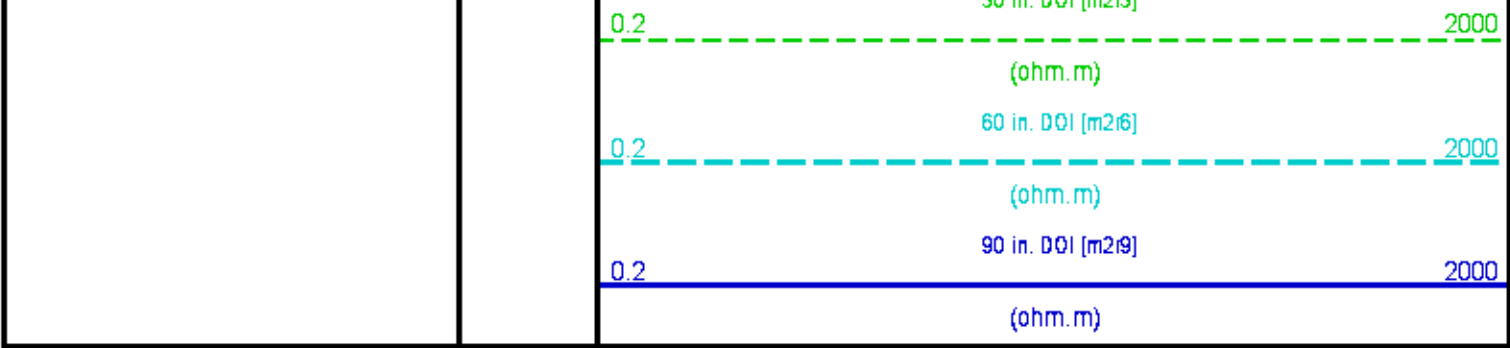
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
GR	28.75	M2R2	8.00	M2R6	8.00	SPDH	14.00
M2R1	8.00	M2R3	8.00	M2R9	8.00		

Presentation : cas6685:1 100 SCALE_hdl_std.fvpdf [1"/100' Scale]
Plot Interval : -20.5 - 1286 Feet

Data File 1 : F1: cas6685:/dat1a/090260J/MAIN.xtf
Created On : Sep 4 20:49:34 2014
Company : SOUTHWESTERN ENERGY PROD CO XML
Well : DIAMOND T SHEEP 7-92 1-26
Field : SAND WASH BASIN
File Interval : -27 - 1546 Feet
OCT : n777q







MAIN LOG 5"/100FT SCALE

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 1 Patches: 2

Plotted: Thu Sep 4 22:29:24 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/090260J/n777q03.prm
LOGGING MODE: DEPTH
TOP DEPTH: 13.849 ft
DIRECTION: UP
BOTTOM DEPTH: 1288.109 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
TTRM	FILTER Q	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
	FILTER (.i)	medium (1)		"	"
GR	FILTER Q	medium (1)		"	"
SP-SPDH	FILTER Q	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
MUD SAMPLE RESISTIVITY	MUD SAMPLE TEMP	77.0	degF	TOP	BOTTOM
	MUD SAMPLE RES	1.000	ohm.m	"	"
BOREHOLE TEMP from GRADIENT	Known BH REF TEMP	77.0	degF	"	"
	at BH REF DEPTH	0.0	ft	"	"
	with TEMP GRADIENT	1.200	0.01 degF/ft	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh*)	USE FIXED SIZE		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh*)	17.500	in	"	"
BH MUD RESISTIVITY SOURCE	RMUD SOURCE (HDIL)	TOOL MEASURED		"	"

HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTEMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		"	"
	ABC to CALCULATE	STANDOFF		"	"
	STANDOFF	1.50	in	"	"
	TOOL POSITION	ECCENTERED		"	"
	Rmud MULTIPLIER	1.000		"	"

CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:GR	Sep 4 20:49:34 2014	GAMMA RAY
F1:M2R1	Sep 4 20:49:34 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI

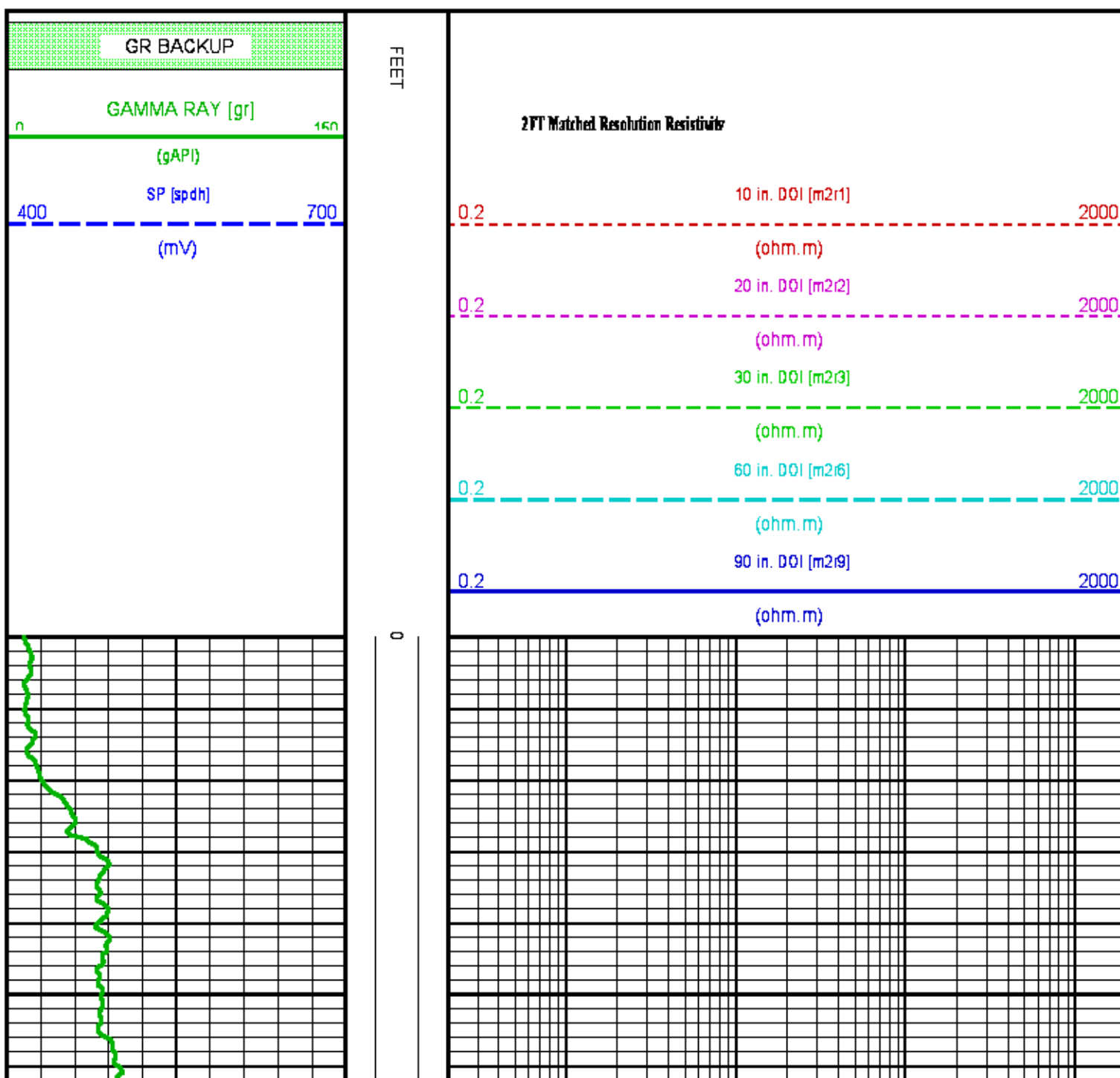
F1:M2R2	Sep 4 20:49:34 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M2R3	Sep 4 20:49:34 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI
F1:M2R6	Sep 4 20:49:34 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI
F1:M2R9	Sep 4 20:49:34 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 90-INCH DOI
F1:SPDH	Sep 4 20:49:34 2014	SPONTANEOUS POTENTIAL PROCESSED IN COMMON REMOTE

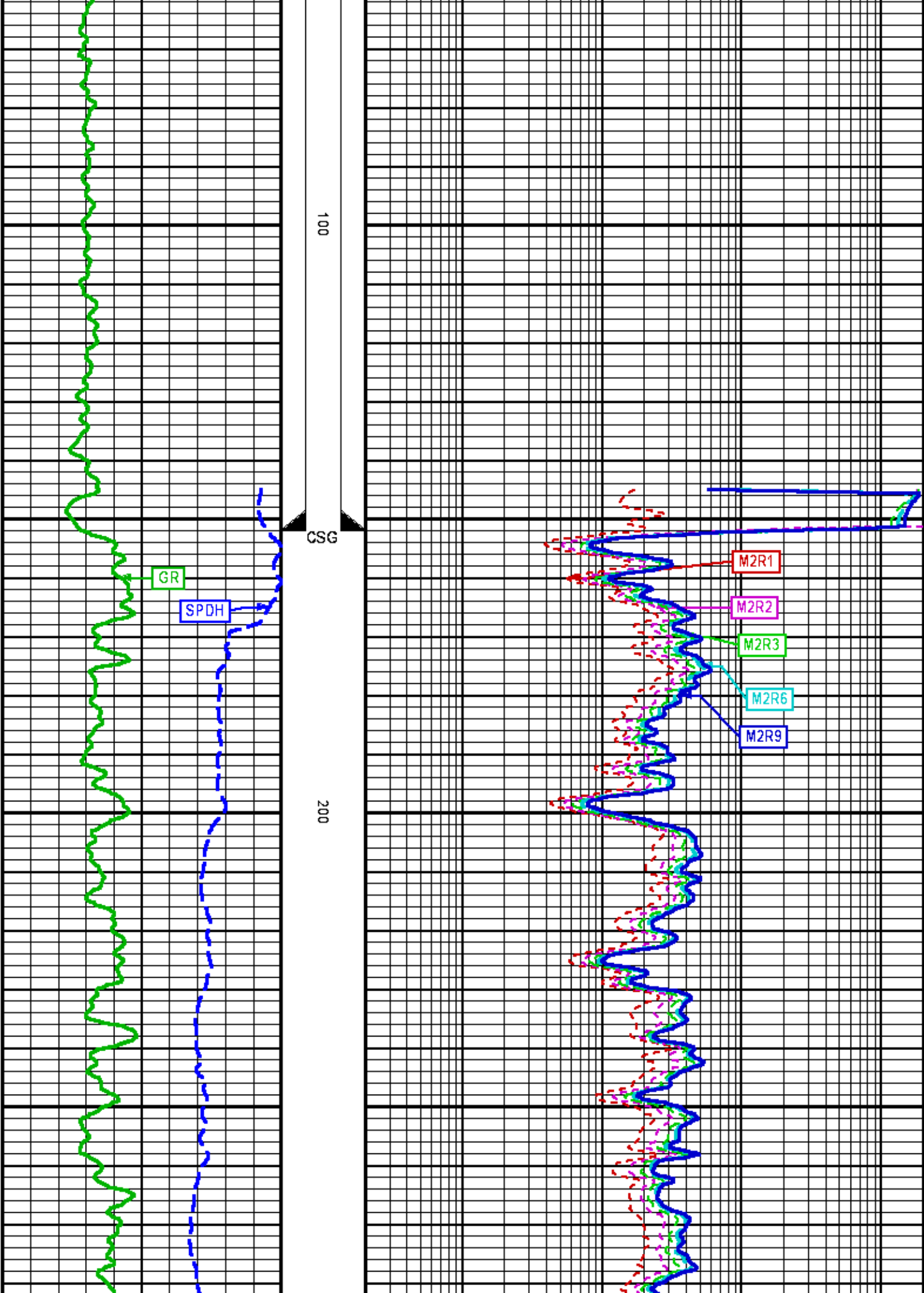
CURVE MEASURE POINT OFFSET

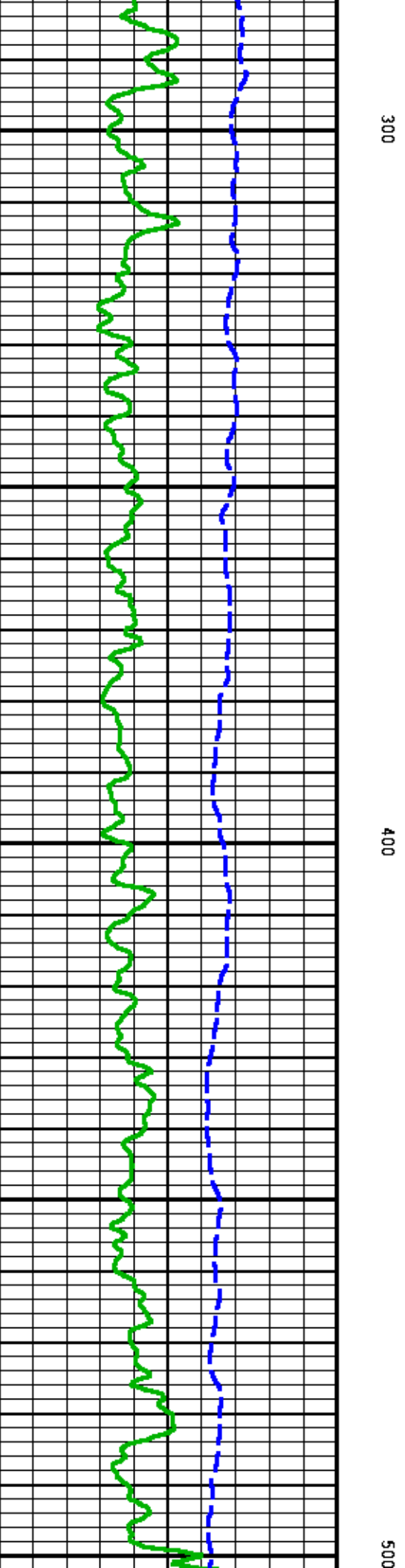
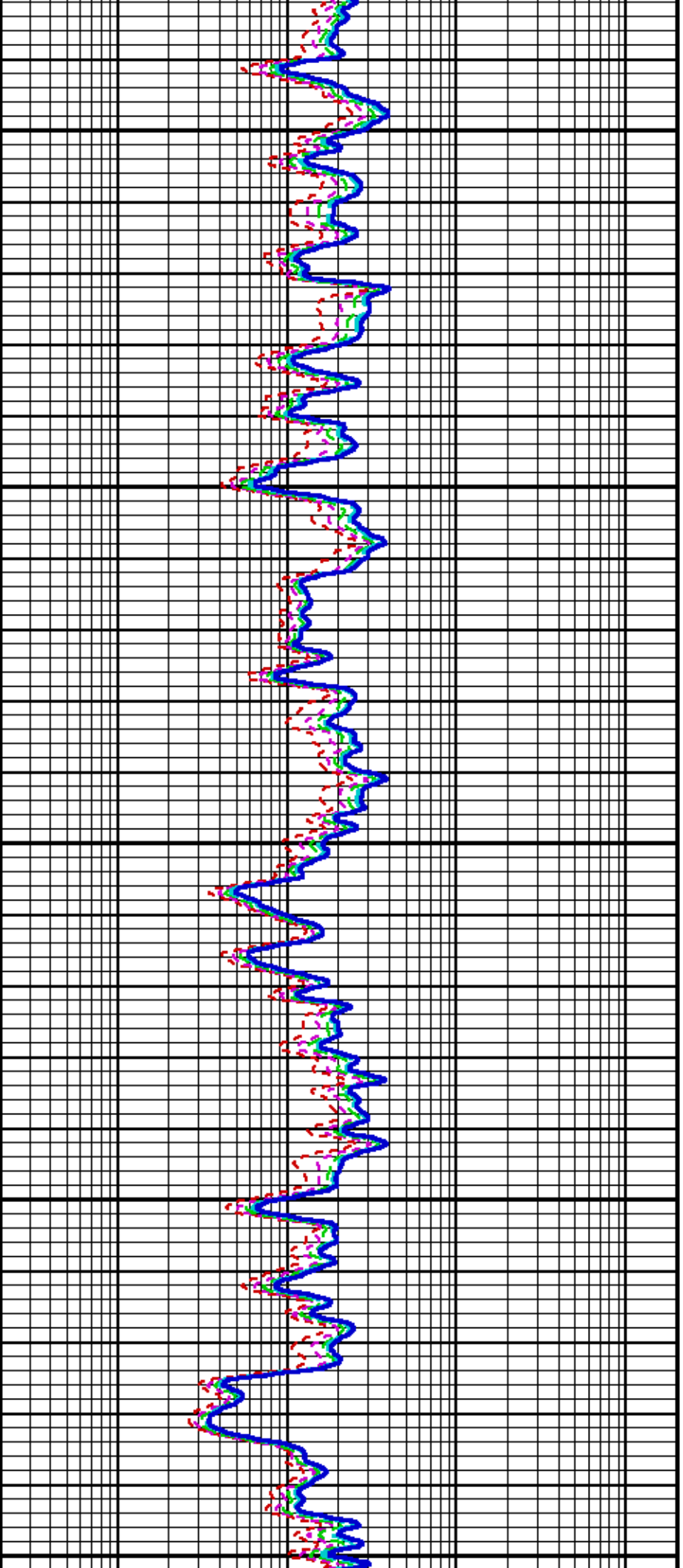
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
GR	28.75	M2R2	8.00	M2R6	8.00	SPDH	14.00
M2R1	8.00	M2R3	8.00	M2R9	8.00		

Presentation : cas6685:MAIN_hdil_std.fvpdf [5"/100' Scale]
Plot Interval : 0 - 1286 Feet

Data File 1 : F1 : cas6685:/dat1a/090260J/MAIN.xdf
Created On : Sep 4 20:49:34 2014
Company : SOUTHWESTERN ENERGY PROD CO XML
Well : DIAMOND T SHEEP 7-92 1-26
Field : SAND WASH BASIN
File Interval : -27 - 1546 Feet
OCT : n777q

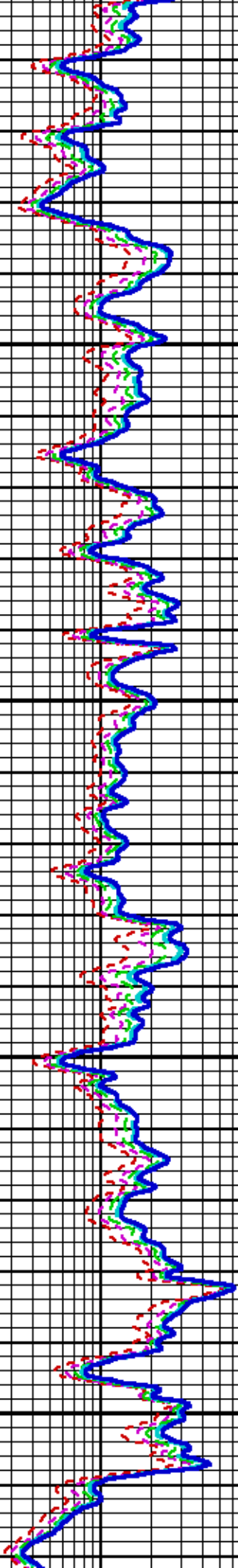
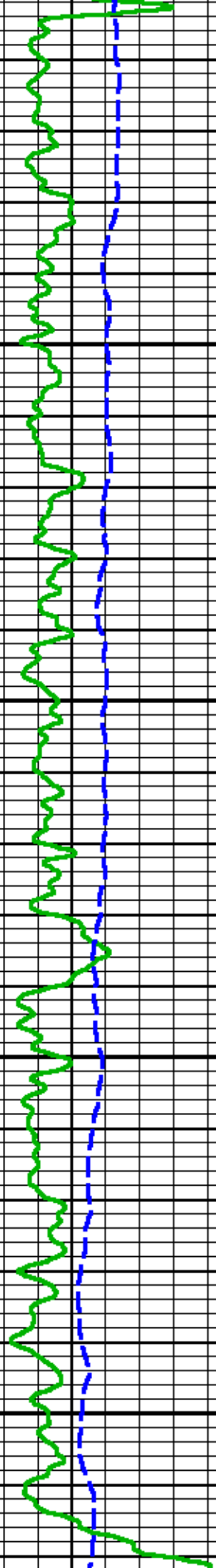


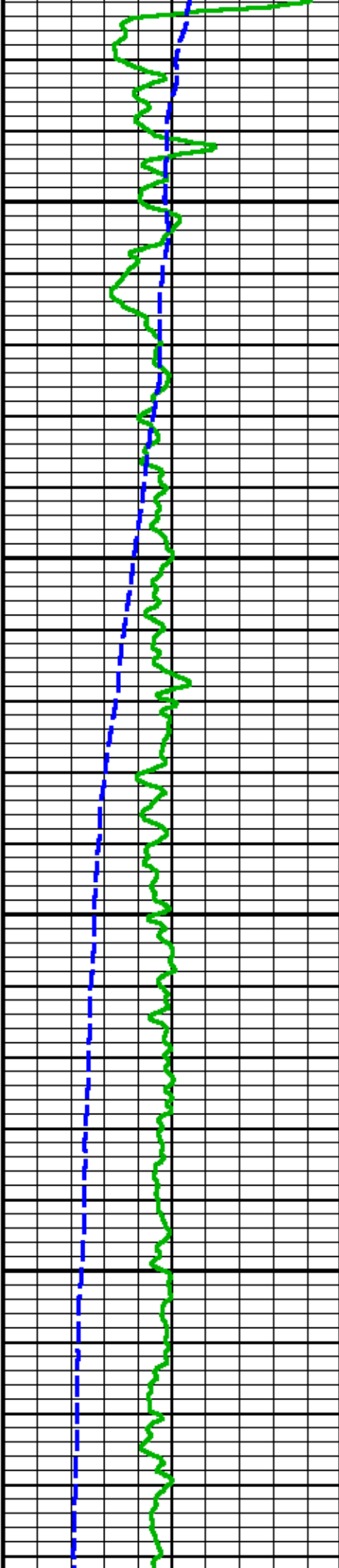




600

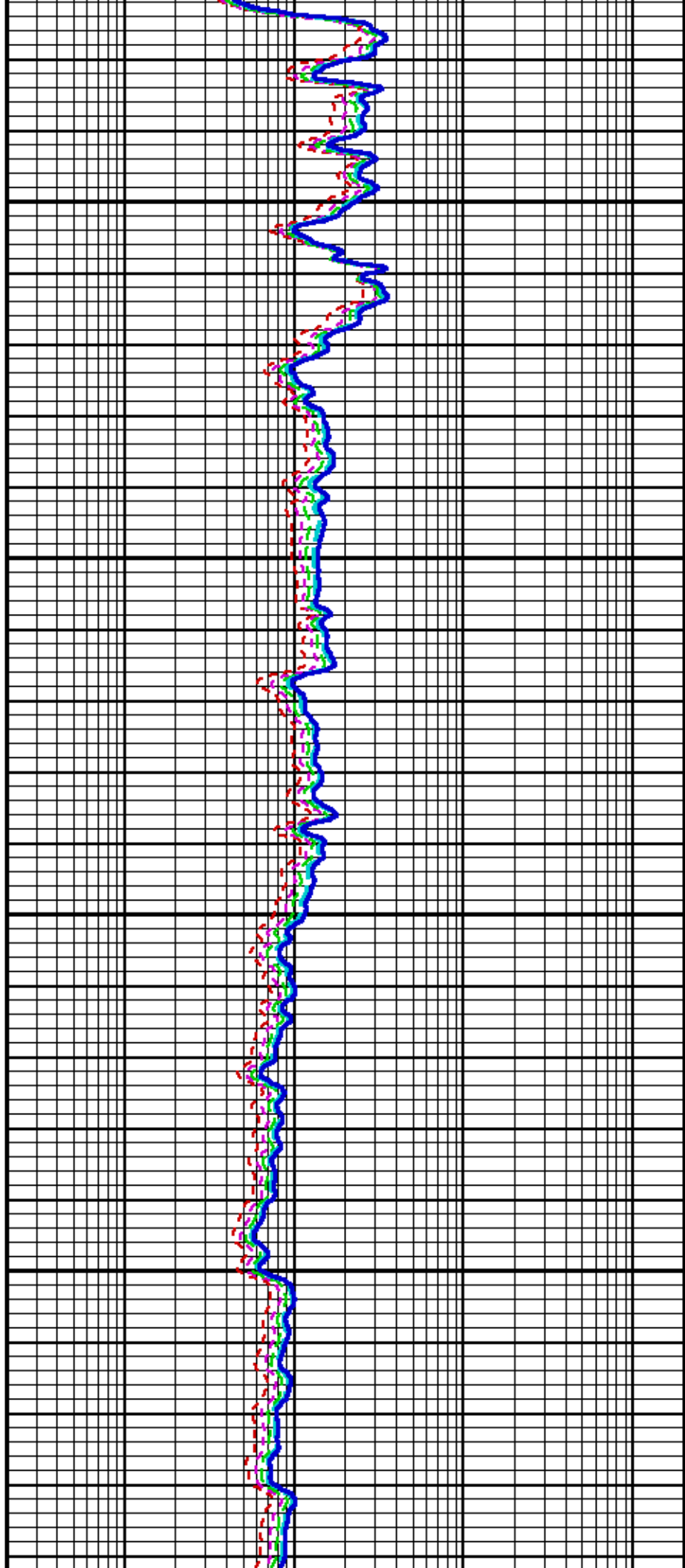
700

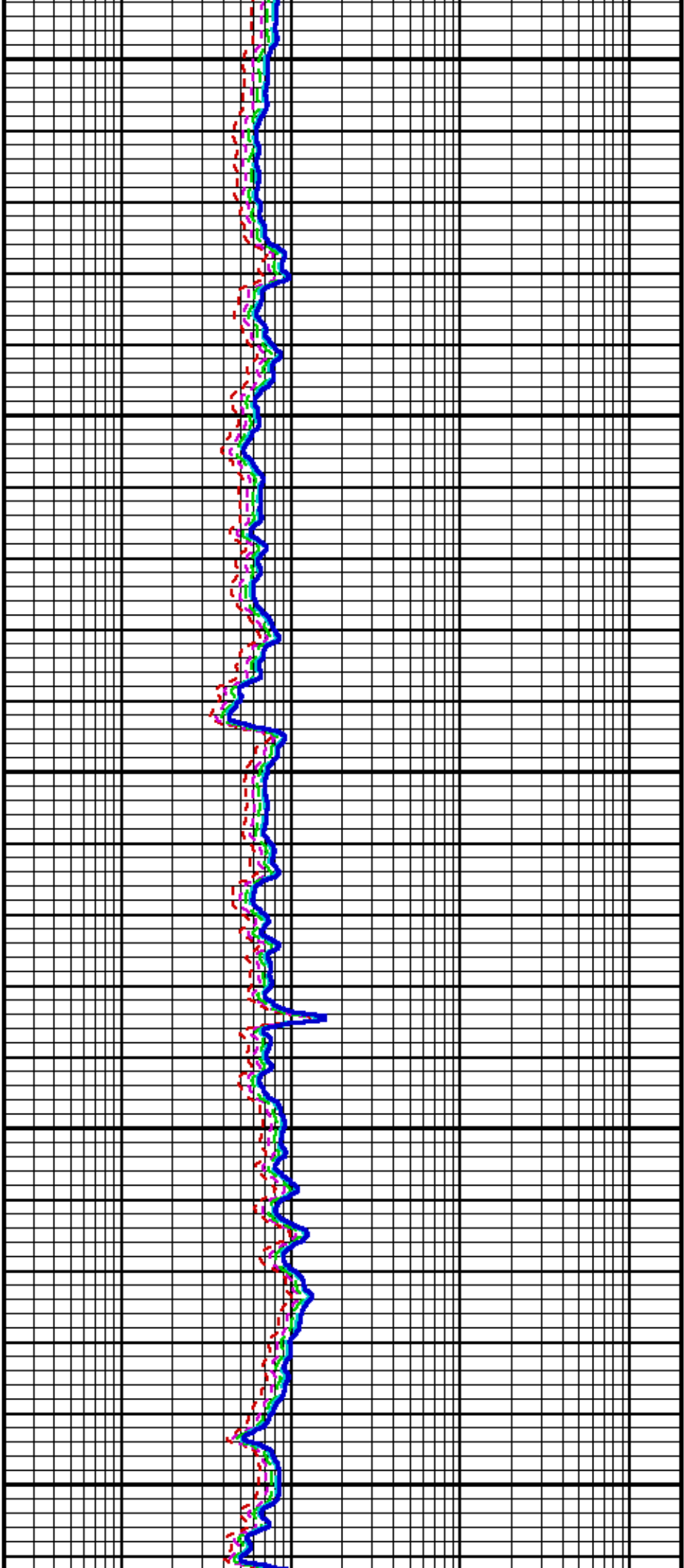




008

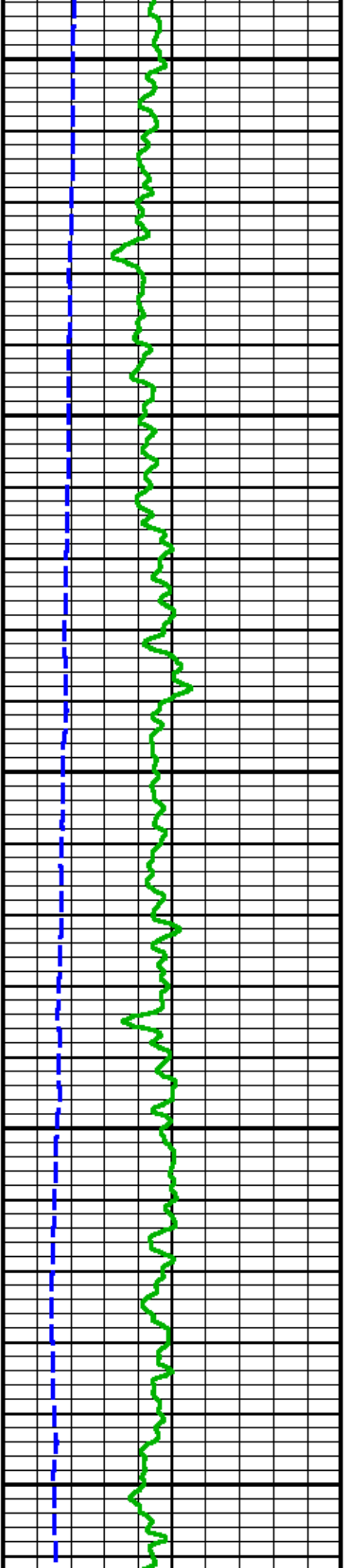
500

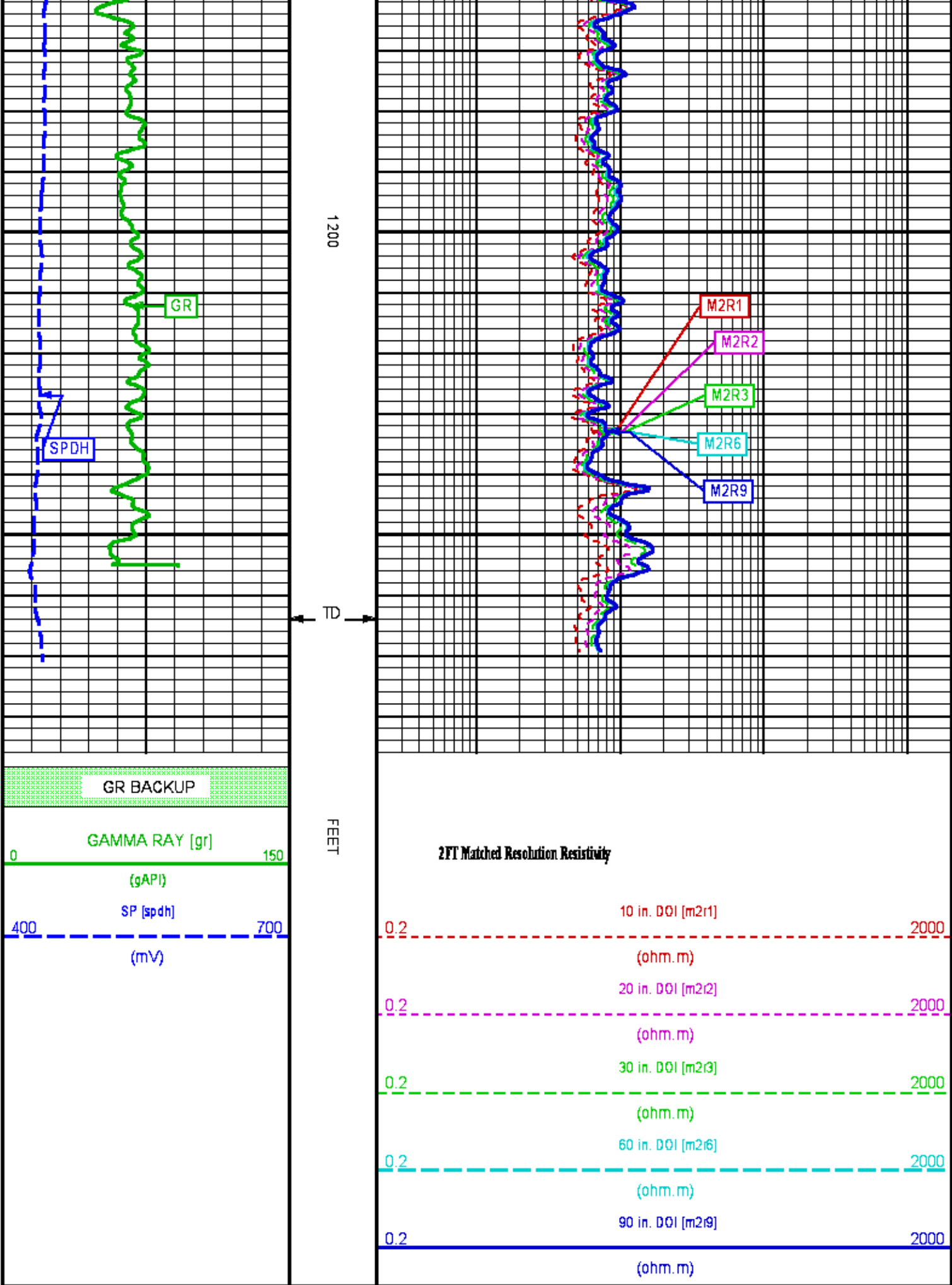




1000

1100





REPEAT LOG

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 1 Patches: 2

Plotted: Thu Sep 4 22:31:30 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/090260J/n777q01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 61.152 ft BOTTOM DEPTH: 473.725 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
TTRM	FILTER Q	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
	FILTER (.i)	medium (1)		"	"
GR	FILTER Q	medium (1)		"	"
SP-SPDH	FILTER Q	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
MUD SAMPLE RESISTIVITY	MUD SAMPLE TEMP	77.0	degF	TOP	BOTTOM
	MUD SAMPLE RES	1.000	ohm.m	"	"
BOREHOLE TEMP from GRADIENT	Known BH REF TEMP	77.0	degF	"	"
	at BH REF DEPTH	0.0	ft	"	"
	with TEMP GRADIENT	1.200	0.01 degF/ft	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh*)	USE FIXED SIZE		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh*)	17.500	in	"	"
BH MUD RESISTIVITY SOURCE	RMUD SOURCE (HDIL)	TOOL MEASURED		"	"

HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTEMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		"	"
	ABC to CALCULATE	STANDOFF		"	"
	STANDOFF	1.50	in	"	"
	TOOL POSITION	ECCENTERED		"	"
	Rmud MULTIPLIER	1.000		"	"

CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:GR	Sep 4 20:28:51 2014	GAMMA RAY
F1:M2R1	Sep 4 20:28:51 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI
F1:M2R2	Sep 4 20:28:51 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M2R3	Sep 4 20:28:51 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI
F1:M2R6	Sep 4 20:28:51 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI
F1:M2R9	Sep 4 20:28:51 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 90-INCH DOI
F1:SPDH	Sep 4 20:28:51 2014	SPONTANEOUS POTENTIAL PROCESSED IN COMMON REMOTE

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
GR	28.75	M2R2	8.00	M2R6	8.00	SPDH	14.00
M2R1	8.00	M2R3	8.00	M2R9	8.00		

Presentation : cas6685:REPEAT_hdl_std.fvpd [5"/100' Scale]

Plot Interval : 140 - 340 Feet

Plot Interval : 140 - 340 Feet

Data File 1 : F1 : cas6685:/dat1a/090260J/REPEAT.xdf
Created On : Sep 4 20:28:51 2014
Company : SOUTHWESTERN ENERGY PROD CO XML
Well : DIAMOND T SHEEP 7-92 1-26
Field : SAND WASH BASIN
File Interval : 5 - 513 Feet
OCT : n777q

GR BACKUP

GAMMA RAY [gr]

0 150

(gAPI)

SP [spdh]

400 700

(mV)

FEET

10 in. DOI [m2r1]

0.2 2000

(ohm.m)

20 in. DOI [m2r2]

0.2 2000

(ohm.m)

30 in. DOI [m2r3]

0.2 2000

(ohm.m)

60 in. DOI [m2r6]

0.2 2000

(ohm.m)

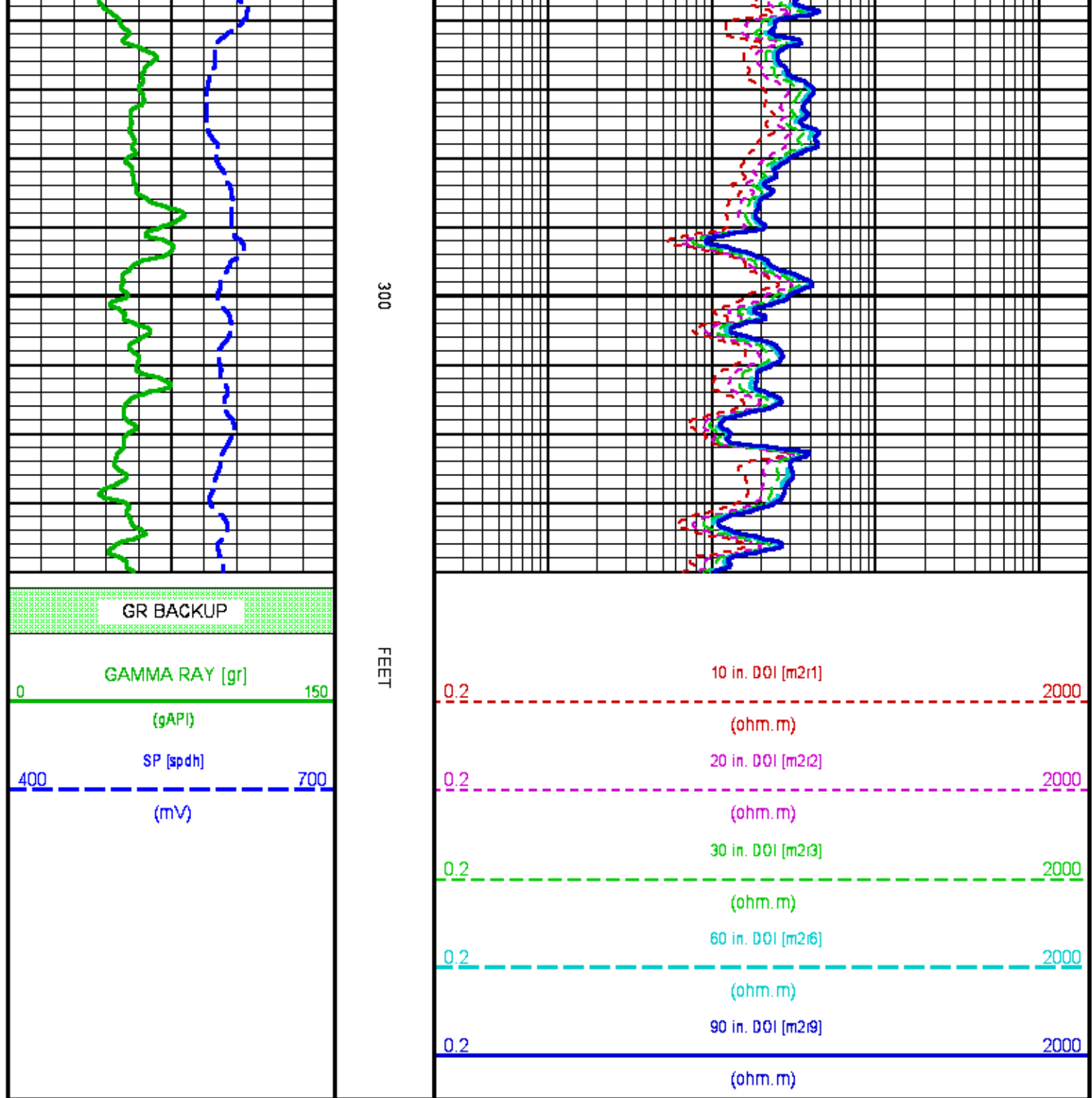
90 in. DOI [m2r9]

0.2 2000

(ohm.m)

CSG

200



CALIBRATION / VERIFICATION SUMMARY

Source File: /data/090260J/CALS.tp1

CHT PRIMARY CALIBRATION SUMMARY

TOOL #: 3981XA 10516527

DATE/TIME PERFORMED:

Thu Sep 4 20:16:16 2014

UNIT #: 3885TC 6685

Signal Low (raw)	Signal High (raw)	Scale Mult	Scale Add	Engr Low (lbf)	Engr High (lbf)
-85.93	131.51	3.84	167.44	-86.00	673.00

CHT

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 1D196895

DATE/TIME PERFORMED: Thu Sep 4 20:20:43 2014

UNIT #: 3885TC 6685

CALB JIG #: 47D2NK VBA-905

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	GR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	122.89	1023.60	900.7	0.167	20.47	170.47	150
			890.0 900.0				

GR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 1D196895

DATE/TIME PERFORMED: Thu Sep 4 20:22:46 2014

DAYS SINCE CAL: 0

UNIT #: 3885TC 6685

VERI JIG #: 47D2NK VBA-905

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	123.60	1017.60	0.167	20.58	169.47	148.88
						140.00 160.00

GR AFTER LOG VERIFICATION SUMMARY

TOOL #: 1329XA 1D196895

DATE/TIME PERFORMED: Thu Sep 4 21:18:21 2014

DAYS SINCE CAL: 0

UNIT #: 3885TC 6685

VERI JIG #: 47D2NK VBA-905

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	134.57	1002.09	0.167	22.41	166.88	144.47
						130.00 150.00

HDIL PRIMARY CALIBRATION SUMMARY

TOOL #: 1515MA 1D037719

DATE/TIME PERFORMED: Mon Jan 20 14:47:06 2014

UNIT #: 388DTA HL667D

GRCOND ID & DATE: 126 D83D96

ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	0.002 -0.200 0.200	0.002 -0.100 0.100	0.002 -0.100 0.100	0.000 -0.100 0.100	-0.001 -0.100 0.100	0.001 -0.100 0.100	-0.000 -0.100 0.100	-0.001 -0.100 0.100
Coil 0 Q	0.007 -1.000 1.000	0.009 -0.200 0.200	0.002 -0.100 0.100	0.003 -0.100 0.100	0.004 -0.100 0.100	0.002 -0.100 0.100	-0.000 -0.100 0.100	-0.000 -0.100 0.100
Coil 1 R	-0.004 -0.200 0.200	-0.002 -0.100 0.100	0.000 -0.100 0.100	0.005 -0.100 0.100	0.004 -0.100 0.100	0.001 -0.100 0.100	-0.001 -0.100 0.100	-0.002 -0.100 0.100
Coil 1 Q	-0.008 -1.000 1.000	-0.009 -0.200 0.200	-0.006 -0.100 0.100	-0.002 -0.100 0.100	0.000 -0.100 0.100	0.003 -0.100 0.100	0.003 -0.100 0.100	0.001 -0.100 0.100
Coil 2 R	0.004 -0.200 0.200	0.006 -0.100 0.100	0.006 -0.100 0.100	0.004 -0.100 0.100	0.004 -0.100 0.100	0.006 -0.100 0.100	0.009 -0.100 0.100	0.010 -0.100 0.100
Coil 2 Q	-0.002 -1.000 1.000	0.001 -0.200 0.200	0.000 -0.100 0.100	-0.000 -0.100 0.100	-0.004 -0.100 0.100	-0.004 -0.100 0.100	-0.004 -0.100 0.100	-0.002 -0.100 0.100
Coil 3 R	0.006 -0.100 0.100	0.007 -0.100 0.100	0.008 -0.100 0.100	0.006 -0.100 0.100	0.006 -0.100 0.100	0.003 -0.100 0.100	0.004 -0.100 0.100	0.002 -0.100 0.100
Coil 3 Q	-0.008 -0.500 0.500	-0.004 -0.200 0.200	0.002 -0.100 0.100	0.002 -0.100 0.100	-0.001 -0.100 0.100	0.001 -0.100 0.100	-0.002 -0.100 0.100	-0.001 -0.100 0.100
Coil 4 R	-0.004 -0.200 0.200	-0.003 -0.200 0.200	0.000 -0.200 0.200	-0.000 -0.200 0.200	0.005 -0.200 0.200	0.006 -0.200 0.200	0.005 -0.200 0.200	0.007 -0.200 0.200
Coil 4 Q	-0.008 -1.000 1.000	-0.001 -0.400 0.400	-0.001 -0.200 0.200	0.000 -0.200 0.200	-0.007 -0.200 0.200	-0.004 -0.200 0.200	-0.003 -0.200 0.200	0.000 -0.200 0.200
Coil 5 R	0.005 -0.400 0.400	0.003 -0.400 0.400	0.009 -0.400 0.400	0.009 -0.400 0.400	-0.002 -0.400 0.400	0.004 -0.400 0.400	0.005 -0.400 0.400	0.004 -0.400 0.400
Coil 5 Q	-0.005 -2.000 2.000	0.002 -0.500 0.500	0.006 -0.400 0.400	0.008 -0.400 0.400	0.003 -0.400 0.400	0.012 -0.400 0.400	-0.000 -0.400 0.400	-0.005 -0.400 0.400
Coil 6 R	-0.013 -1.000 1.000	0.016 -1.000 1.000	-0.019 -1.000 1.000	-0.002 -1.000 1.000	-0.008 -1.000 1.000	0.002 -1.000 1.000	0.001 -1.000 1.000	0.032 -1.000 1.000
Coil 6 Q	0.010 -5.000 5.000	-0.003 -2.000 2.000	0.006 -1.000 1.000	-0.003 -1.000 1.000	-0.005 -1.000 1.000	-0.017 -1.000 1.000	-0.012 -1.000 1.000	-0.005 -1.000 1.000

ELEC. GAINS

10 KHz

30 KHz

50 KHz

70 KHz

90 KHz

110 KHz

130 KHz

150 KHz

Coil D M

125.56	124.07	121.17	116.96	111.53	105.14	97.64	89.46
100.00 150.00	100.00 150.00	96.00 150.00	96.00 140.00	92.00 140.00	87.00 130.00	82.00 120.00	76.00 110.00

Coil D P

7.720	24.297	40.614	56.846	73.005	89.211	105.261	121.397
6.000 9.000	19.000 26.000	32.000 47.000	44.000 66.000	57.000 85.000	70.000 100.000	82.000 120.000	96.000 140.000

Coil 1 M

217.91	215.29	210.30	202.98	193.60	182.50	169.46	155.27
180.00 270.00	180.00 270.00	170.00 260.00	170.00 260.00	160.00 250.00	160.00 230.00	150.00 220.00	140.00 200.00

Coil 1 P

7.696	24.246	40.521	56.735	72.881	89.012	105.062	121.231
6.000 9.000	19.000 26.000	32.000 48.000	45.000 67.000	57.000 86.000	70.000 110.000	83.000 120.000	96.000 140.000

Coil 2 M

436.05	430.98	421.26	407.00	388.43	366.45	340.70	312.16
360.00 540.00	360.00 540.00	360.00 530.00	340.00 510.00	330.00 500.00	310.00 470.00	300.00 440.00	270.00 410.00

Coil 2 P

7.883	24.793	41.460	58.064	74.574	91.207	107.653	124.246
6.000 9.000	19.000 26.000	32.000 48.000	45.000 67.000	58.000 87.000	71.000 110.000	84.000 130.000	96.000 140.000

Coil 3 M

707.25	698.26	681.02	655.98	624.05	586.83	544.23	498.72
590.00 880.00	590.00 870.00	570.00 850.00	550.00 830.00	530.00 800.00	500.00 760.00	470.00 710.00	440.00 690.00

Coil 3 P

7.849	24.750	41.335	57.794	74.101	90.378	106.417	122.488
6.000 10.000	20.000 26.000	33.000 48.000	46.000 69.000	59.000 89.000	72.000 110.000	86.000 130.000	98.000 150.000

Coil 4 M

1138.1	1121.1	1089.1	1043.5	986.7	922.7	851.5	777.1
900.0 1400.0	900.0 1300.0	900.0 1300.0	850.0 1300.0	800.0 1200.0	800.0 1200.0	750.0 1100.0	700.0 1000.0

Coil 4 P

8.082	25.375	42.288	59.012	75.437	91.667	107.650	123.478
6.000 10.000	20.000 30.000	33.000 50.000	46.000 70.000	60.000 90.000	73.000 110.000	86.000 130.000	99.000 150.000

Coil 5 M

2364.9	2334.3	2275.3	2190.0	2080.7	1953.9	1808.5	1653.5
1900.0 2600.0	1800.0 2600.0	1800.0 2700.0	1800.0 2600.0	1700.0 2500.0	1600.0 2400.0	1500.0 2300.0	1400.0 2100.0

Coil 5 P

8.215	25.787	43.065	60.223	77.222	94.151	110.852	127.528
6.000 10.000	20.000 31.000	34.000 51.000	48.000 72.000	62.000 93.000	76.000 110.000	89.000 130.000	100.000 150.000

Coil 6 M

6019.4	5941.0	5788.5	5570.2	5290.0	4963.2	4587.5	4184.2
4700.0 7100.0	4700.0 7000.0	4600.0 6900.0	4400.0 6600.0	4300.0 6400.0	4000.0 6000.0	3700.0 5600.0	3400.0 5100.0

Coil 6 P

8.163	25.893	43.275	60.549	77.668	94.722	111.567	128.365
7.000 10.000	22.000 32.000	36.000 54.000	51.000 76.000	66.000 96.000	80.000 120.000	94.000 140.000	110.000 160.000

AM Factor

10 KHz

30 KHz

50 KHz

70 KHz

90 KHz

110 KHz

130 KHz

150 KHz

Coil D R

483	-87	-144	-156	-157	-155	-153	-150
-200 600	-500 200	-600 100	-600 50	-500 20	-500 20	-500 20	-500 20

Coil D Q

2334	826	459	286	182	109	53	7
-3000 6000	-1000 2000	-1000 1200	-500 900	-400 700	-400 600	-400 500	-400 400

Coil 1 R

568	87	22	1	-10	-16	-20	-23
450 690	20 130	-30 60	-50 40	-55 30	-60 20	-60 10	-60 10

Coil 1 Q

1327	526	327	236	184	146	121	100
0 2500	0 900	0 600	0 450	0 350	0 300	0 250	0 250

Coil 2 R

186.9	27.5	7.0	0.6	-2.9	-4.5	-5.8	-6.8
140.0 230.0	0.0 51.0	-10.0 25.0	-15.0 15.0	-16.0 10.0	-16.0 7.0	-16.0 5.0	-16.0 3.0

Coil 2 Q

442.6	177.0	113.2	85.0	69.9	60.3	53.5	49.4
-300.0 1000.0	0.0 350.0	0.0 220.0	0.0 160.0	0.0 130.0	0.0 110.0	0.0 100.0	0.0 90.0

Coil 3 R

49.6	7.2	2.0	0.5	-0.4	-0.9	-1.5	-2.1
37.0 62.0	0.0 12.0	-3.0 6.0	-4.0 4.0	-5.0 2.0	-5.0 1.0	-6.0 1.0	-6.0 1.0

Coil 3 Q

83.4	37.1	26.8	23.1	22.0	22.1	22.6	23.4
-140.0 260.0	-40.0 100.0	-20.0 70.0	-10.0 60.0	-10.0 50.0	-10.0 50.0	-10.0 50.0	-10.0 50.0

Coil 4 R

11.61	1.33	-0.19	-0.74	-1.01	-1.24	-1.43	-1.41
2.00 18.00	-3.00 6.00	-3.50 3.00	-3.90 2.00	-4.20 2.00	-4.50 2.00	-4.70 2.00	-5.00 2.00

Coil 4 Q

21.84	12.42	11.77	12.79	14.35	16.30	18.31	20.31
-100.00 100.00	-30.00 50.00	-20.00 40.00	-10.00 40.00	-10.00 40.00	-10.00 45.00	-10.00 50.00	-10.00 60.00

Coil 5 R

2.57	0.12	-0.24	-0.30	-0.36	-0.62	-0.48	-0.50
-2.00 5.80	-3.20 2.40	-4.50 3.10	-4.70 3.20	-4.80 3.20	-5.00 3.30	-5.20 3.40	-5.40 3.50

Coil 5 Q

16.74	8.87	9.13	10.52	12.26	14.38	16.33	18.50
-60.00 70.00	-20.00 30.00	-20.00 30.00	-20.00 35.00	-20.00 45.00	-20.00 50.00	-20.00 60.00	-20.00 70.00

Coil 6 R

-2.45	-0.38	-0.16	-0.16	-0.21	-0.22	-0.30	-0.34
-4.80 1.00	-5.70 3.80	-6.50 4.90	-6.90 5.40	-7.30 5.90	-7.50 6.00	-7.70 6.10	-7.90 6.30

Coil 6 Q

2.55	3.41	5.61	7.98	10.23	12.54	14.73	17.02
-30.00 30.00	-20.00 25.00	-20.00 35.00	-30.00 50.00	-35.00 60.00	-40.00 70.00	-50.00 80.00	-60.00 100.00

MM Factor

10 KHz

30 KHz

50 KHz

70 KHz

90 KHz

110 KHz

130 KHz

150 KHz

Coil D M

1.005	1.000	0.994	0.993	0.991	0.990	0.990	0.990
0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100

Coil D P

0.340	0.477	0.518	0.444	0.381	0.301	0.250	0.214
-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000

Coil 1 M

0.986	0.983	0.978	0.977	0.975	0.974	0.973	0.973
0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100

Coil 1 P

0.188	0.359	0.431	0.447	0.416	0.344	0.298	0.280
-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000

Coil 2 M

1.010	1.007	1.006	1.005	1.004	1.003	1.003	1.001
0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100

Coil 2 P

0.091	0.101	0.155	0.193	0.175	0.202	0.170	0.202
-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000	-2.000 2.000

Coil 3 M

1.000	0.999	0.998	0.997	0.996	0.995	0.996	0.998
0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100	0.900 1.100

Coil 3 P

0.078	0.117	0.193	0.220	0.220	0.201	0.152	0.217
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Coil 4 M	1.009 0.900 1.100	1.008 0.900 1.100	1.008 0.900 1.100	1.007 0.900 1.100	1.006 0.900 1.100	1.005 0.900 1.100	1.004 0.900 1.100	1.003 0.900 1.100
Coil 4 P	0.082 -2.000 2.000	0.127 -2.000 2.000	0.159 -2.000 2.000	0.244 -2.000 2.000	0.248 -2.000 2.000	0.255 -2.000 2.000	0.256 -2.000 2.000	0.221 -2.000 2.000
Coil 5 M	1.018 0.900 1.100	1.018 0.900 1.100	1.018 0.900 1.100	1.017 0.900 1.100	1.015 0.900 1.100	1.016 0.900 1.100	1.014 0.900 1.100	1.013 0.900 1.100
Coil 5 P	0.072 -2.000 2.000	0.010 -2.000 2.000	0.089 -2.000 2.000	0.115 -2.000 2.000	0.074 -2.000 2.000	0.027 -2.000 2.000	0.032 -2.000 2.000	0.025 -2.000 2.000
Coil 6 M	1.011 0.900 1.100	1.013 0.900 1.100	1.012 0.900 1.100	1.011 0.900 1.100	1.010 0.900 1.100	1.016 0.900 1.100	1.015 0.900 1.100	1.013 0.900 1.100
Coil 6 P	0.004 -2.000 2.000	0.087 -2.000 2.000	0.037 -2.000 2.000	0.132 -2.000 2.000	0.034 -2.000 2.000	-0.055 -2.000 2.000	-0.066 -2.000 2.000	-0.194 -2.000 2.000

PARMS

TCID 0

TCID 1

Cal Temp
(degF)

T Factor

IDs

1.617

0.832

61.0

1.04

HDIL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1515MA 10037719

DATE/TIME PERFORMED:

Thu Sep 4 20:28:27 2014

DAYS SINCE CAL:

227

UNIT #:

3885TC 6685

ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	-0.002 -0.200 0.200	0.001 -0.100 0.100	0.002 -0.100 0.100	0.001 -0.100 0.100	-0.002 -0.100 0.100	0.001 -0.100 0.100	-0.001 -0.100 0.100	-0.002 -0.100 0.100
Coil 0 Q	0.007 -1.000 1.000	0.009 -0.200 0.200	0.002 -0.100 0.100	0.000 -0.100 0.100	0.003 -0.100 0.100	0.001 -0.100 0.100	0.001 -0.100 0.100	0.000 -0.100 0.100
Coil 1 R	0.001 -0.200 0.200	0.001 -0.100 0.100	-0.001 -0.100 0.100	0.002 -0.100 0.100	0.001 -0.100 0.100	-0.001 -0.100 0.100	-0.003 -0.100 0.100	-0.003 -0.100 0.100
Coil 1 Q	-0.005 -1.000 1.000	-0.005 -0.200 0.200	-0.002 -0.100 0.100	-0.001 -0.100 0.100	0.001 -0.100 0.100	0.003 -0.100 0.100	0.002 -0.100 0.100	0.000 -0.100 0.100
Coil 2 R	-0.000 -0.200 0.200	0.002 -0.100 0.100	0.002 -0.100 0.100	0.001 -0.100 0.100	-0.001 -0.100 0.100	0.004 -0.100 0.100	0.007 -0.100 0.100	0.009 -0.100 0.100
Coil 2 Q	-0.005 -1.000 1.000	-0.002 -0.200 0.200	-0.002 -0.100 0.100	0.000 -0.100 0.100	-0.004 -0.100 0.100	-0.005 -0.100 0.100	-0.004 -0.100 0.100	-0.002 -0.100 0.100
Coil 3 R	0.003 -0.100 0.100	0.002 -0.100 0.100	0.002 -0.100 0.100	0.006 -0.100 0.100	0.001 -0.100 0.100	0.003 -0.100 0.100	-0.001 -0.100 0.100	0.001 -0.100 0.100
Coil 3 Q	-0.008 -0.500 0.500	-0.006 -0.200 0.200	0.001 -0.100 0.100	-0.001 -0.100 0.100	-0.003 -0.100 0.100	-0.001 -0.100 0.100	-0.003 -0.100 0.100	0.001 -0.100 0.100
Coil 4 R	-0.007 -0.200 0.200	-0.001 -0.200 0.200	-0.005 -0.200 0.200	-0.006 -0.200 0.200	-0.003 -0.200 0.200	0.002 -0.200 0.200	0.004 -0.200 0.200	0.001 -0.200 0.200
Coil 4 Q	-0.005 -1.000 1.000	0.008 -0.400 0.400	-0.002 -0.200 0.200	-0.003 -0.200 0.200	-0.003 -0.200 0.200	-0.007 -0.200 0.200	-0.002 -0.200 0.200	0.000 -0.200 0.200
Coil 5 R	0.001 -0.400 0.400	0.012 -0.400 0.400	-0.001 -0.400 0.400	0.008 -0.400 0.400	0.002 -0.400 0.400	0.003 -0.400 0.400	-0.005 -0.400 0.400	0.001 -0.400 0.400
Coil 5 Q	-0.004 -2.000 2.000	-0.003 -0.800 0.800	0.002 -0.400 0.400	-0.002 -0.400 0.400	0.012 -0.400 0.400	0.011 -0.400 0.400	-0.001 -0.400 0.400	0.001 -0.400 0.400
Coil 6 R	0.000 -1.000 1.000	-0.015 -1.000 1.000	-0.020 -1.000 1.000	-0.027 -1.000 1.000	0.002 -1.000 1.000	0.009 -1.000 1.000	0.021 -1.000 1.000	0.006 -1.000 1.000
Coil 6 Q	-0.011 -5.000 5.000	-0.002 -2.000 2.000	-0.016 -1.000 1.000	-0.013 -1.000 1.000	-0.017 -1.000 1.000	-0.016 -1.000 1.000	-0.014 -1.000 1.000	0.000 -1.000 1.000

ELEC. GAINS

	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 M	125.54 100.00 150.00	124.03 100.00 150.00	121.10 98.00 150.00	116.84 96.00 140.00	111.41 92.00 140.00	104.99 87.00 130.00	97.52 82.00 120.00	89.28 76.00 110.00
Coil 0 P	7.737 6.000 9.000	24.339 19.000 29.000	40.664 32.000 47.000	56.905 44.000 66.000	73.085 57.000 86.000	89.291 70.000 100.000	105.343 82.000 120.000	121.527 96.000 140.000
Coil 1 M	217.73 180.00 270.00	215.11 180.00 270.00	210.03 170.00 250.00	202.66 170.00 250.00	193.31 160.00 250.00	182.16 160.00 250.00	169.17 150.00 230.00	155.01 140.00 200.00
Coil 1 P	7.712 6.000 9.000	24.289 19.000 29.000	40.572 32.000 48.000	56.810 45.000 67.000	72.944 57.000 86.000	89.093 70.000 110.000	105.196 83.000 120.000	121.357 96.000 140.000
Coil 2 M	434.77 360.00 540.00	429.63 360.00 540.00	419.78 360.00 530.00	405.55 340.00 510.00	387.19 330.00 500.00	365.35 310.00 470.00	339.68 300.00 440.00	311.41 270.00 410.00
Coil 2 P	7.901 6.000 9.000	24.822 19.000 29.000	41.484 32.000 48.000	58.070 45.000 67.000	74.817 58.000 87.000	91.235 71.000 110.000	107.718 84.000 130.000	124.325 96.000 140.000
Coil 3 M	707.53 590.00 880.00	698.40 590.00 870.00	680.99 570.00 850.00	655.73 550.00 830.00	623.74 530.00 800.00	586.46 500.00 760.00	543.81 470.00 710.00	498.25 440.00 650.00
Coil 3 P	7.872 6.000 10.000	24.798 20.000 29.000	41.395 33.000 49.000	57.873 46.000 69.000	74.193 59.000 89.000	90.502 72.000 110.000	106.565 86.000 130.000	122.653 98.000 150.000
Coil 4 M	1138.8 900.0 1400.0	1121.3 900.0 1300.0	1088.8 900.0 1300.0	1042.8 850.0 1300.0	986.2 800.0 1200.0	921.8 800.0 1200.0	850.7 750.0 1100.0	776.6 700.0 1000.0
Coil 4 P	8.115 6.000 10.000	25.438 20.000 30.000	42.360 33.000 50.000	59.087 46.000 70.000	75.531 60.000 90.000	91.805 73.000 110.000	107.767 86.000 130.000	123.644 99.000 150.000
Coil 5 M	2366.3	2335.0	2275.0	2188.9	2079.5	1952.1	1806.8	1652.2

Coil 5 P

1900.0	2600.0	1800.0	2600.0	1800.0	2700.0	1800.0	2600.0	1700.0	2500.0	1600.0	2400.0	1500.0	2300.0	1400.0	2100.0
8.246	25.844	43.133	60.297	77.316	94.243	110.983	127.669								
6.000	10.000	20.000	31.000	34.000	51.000	48.000	72.000	62.000	59.000	76.000	110.000	89.000	130.000	100.000	150.000

Coil 6 M

6014.8	5931.8	5777.0	5555.0	5276.1	4947.4	4574.1	4174.9								
4700.0	7100.0	4700.0	7000.0	4600.0	6500.0	4400.0	6600.0	4300.0	6400.0	4000.0	6000.0	3700.0	5900.0	3400.0	5100.0

Coil 6 P

8.217	25.977	43.369	60.639	77.770	94.818	111.699	128.531								
7.000	10.000	22.000	32.000	36.000	54.000	51.000	76.000	65.000	56.000	80.000	120.000	94.000	140.000	110.000	160.000

HDIL AFTER LOG VERIFICATION SUMMARY

TOOL #: 1515MA 10037719

DATE/TIME PERFORMED: Thu Sep 4 21:17:47 2014

DAYS SINCE CAL: 227

UNIT #: 3885TC 6685

ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	-0.000 -0.002 0.078	0.002 -0.069 0.061	0.002 -0.038 0.032	0.001 -0.029 0.031	-0.001 -0.032 0.028	-0.000 -0.029 0.031	-0.000 -0.031 0.029	-0.002 -0.032 0.028
Coil 0 Q	0.006 -0.033 0.047	0.009 -0.111 0.129	0.002 -0.038 0.032	0.002 -0.030 0.030	0.002 -0.027 0.033	0.000 -0.029 0.031	0.000 -0.029 0.031	0.001 -0.030 0.030
Coil 1 R	0.000 -0.079 0.081	-0.000 -0.049 0.061	-0.001 -0.031 0.029	0.000 -0.038 0.032	0.000 -0.029 0.031	-0.002 -0.031 0.029	-0.005 -0.033 0.027	-0.006 -0.033 0.027
Coil 1 Q	-0.005 -0.405 0.395	-0.005 -0.105 0.095	-0.001 -0.032 0.038	0.001 -0.031 0.029	0.001 -0.029 0.031	0.001 -0.027 0.033	0.002 -0.028 0.032	-0.001 -0.030 0.030
Coil 2 R	0.002 -0.070 0.070	0.003 -0.038 0.032	0.002 -0.038 0.032	0.002 -0.029 0.031	0.003 -0.031 0.029	0.006 -0.026 0.034	0.008 -0.023 0.037	0.009 -0.021 0.039
Coil 2 Q	-0.004 -0.365 0.345	-0.001 -0.102 0.098	-0.000 -0.032 0.038	-0.002 -0.030 0.030	-0.004 -0.034 0.026	-0.005 -0.036 0.026	-0.003 -0.034 0.026	-0.000 -0.032 0.038
Coil 3 R	0.004 -0.037 0.043	0.003 -0.038 0.042	0.002 -0.038 0.042	0.004 -0.034 0.046	0.004 -0.039 0.041	0.003 -0.037 0.043	0.001 -0.041 0.039	0.003 -0.039 0.041
Coil 3 Q	-0.006 -0.208 0.192	-0.008 -0.086 0.074	-0.003 -0.039 0.041	-0.001 -0.041 0.039	-0.001 -0.043 0.037	-0.000 -0.041 0.039	0.000 -0.043 0.037	-0.002 -0.039 0.041
Coil 4 R	0.004 -0.067 0.063	0.002 -0.061 0.069	-0.005 -0.065 0.065	-0.007 -0.066 0.064	0.004 -0.063 0.067	0.001 -0.068 0.062	0.002 -0.066 0.064	0.001 -0.069 0.061
Coil 4 Q	-0.002 -0.305 0.295	0.003 -0.062 0.108	0.003 -0.062 0.068	0.002 -0.063 0.067	-0.003 -0.063 0.067	-0.003 -0.067 0.063	-0.006 -0.062 0.068	-0.001 -0.060 0.060
Coil 5 R	-0.006 -0.119 0.121	0.001 -0.108 0.132	-0.002 -0.121 0.119	0.013 -0.112 0.128	0.002 -0.118 0.122	0.000 -0.117 0.123	-0.002 -0.125 0.115	-0.003 -0.119 0.121
Coil 5 Q	0.008 -0.604 0.596	-0.009 -0.263 0.247	0.005 -0.118 0.122	0.004 -0.122 0.118	0.008 -0.108 0.132	-0.003 -0.109 0.131	0.002 -0.121 0.119	-0.001 -0.119 0.121
Coil 6 R	0.008 -0.300 0.300	0.000 -0.316 0.286	-0.003 -0.300 0.280	-0.005 -0.327 0.273	-0.022 -0.298 0.302	0.004 -0.291 0.309	0.008 -0.279 0.321	0.009 -0.294 0.306
Coil 6 Q	0.016 -1.511 1.489	0.008 -0.632 0.598	-0.001 -0.316 0.284	-0.019 -0.313 0.287	0.003 -0.317 0.283	-0.023 -0.316 0.284	-0.001 -0.314 0.286	-0.012 -0.300 0.300

ELEC. GAINS

	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 M	125.57 123.03 128.06	124.04 121.56 126.51	121.09 118.68 123.52	116.78 114.50 119.17	111.35 109.18 113.64	104.87 102.89 107.09	97.39 95.67 99.47	89.07 87.50 91.07
Coil 0 P	7.747 4.737 10.737	24.371 21.309 27.309	40.724 37.664 43.664	57.007 53.905 59.905	73.190 70.085 76.095	89.414 86.291 92.291	105.484 102.343 108.343	121.679 118.527 124.527
Coil 1 M	217.62 213.38 222.08	214.97 210.81 219.42	209.86 205.69 214.23	202.42 198.60 206.71	193.07 189.44 197.18	181.81 178.51 185.80	168.81 165.79 172.66	154.52 151.91 159.11
Coil 1 P	7.729 4.712 10.712	24.330 21.289 27.289	40.644 37.572 43.572	56.921 53.810 59.810	73.062 69.944 75.944	89.257 86.093 92.093	105.367 102.196 108.196	121.536 118.367 124.367
Coil 2 M	435.84 426.07 443.46	430.57 421.04 439.22	420.57 411.38 429.17	406.11 397.44 413.66	373.59 379.44 364.93	365.53 369.04 372.66	339.71 332.89 346.48	311.20 305.18 317.64
Coil 2 P	7.922 4.901 10.901	24.878 21.822 27.822	41.574 38.484 44.484	58.193 55.070 61.070	74.744 71.617 77.617	91.397 88.235 94.235	107.863 104.718 110.718	124.495 121.325 127.325
Coil 3 M	707.98 693.38 721.68	698.82 684.44 712.37	681.35 667.37 694.61	655.86 642.61 668.84	623.77 611.27 636.22	586.23 574.73 598.19	543.48 532.93 554.69	497.51 488.28 508.21
Coil 3 P	7.886 4.872 10.872	24.836 21.798 27.798	41.461 38.395 44.395	57.978 54.873 60.873	74.313 71.193 77.193	90.657 87.502 93.502	106.722 103.565 109.565	122.845 119.663 125.663
Coil 4 M	1139.4 1116.1 1161.6	1121.7 1098.9 1143.8	1088.9 1067.0 1110.6	1042.4 1021.9 1063.7	985.6 966.4 1006.9	920.9 903.4 940.2	849.7 833.7 867.7	774.8 761.0 792.1
Coil 4 P	8.136 5.115 11.115	25.490 22.438 28.438	42.444 39.360 45.360	59.206 56.087 62.087	75.660 72.531 78.531	91.963 88.805 94.805	107.940 104.767 110.767	123.829 120.644 126.644
Coil 5 M	2367.6 2319.0 2413.6	2335.9 2288.3 2381.7	2275.3 2229.5 2320.5	2188.4 2145.1 2232.6	2078.5 2037.9 2121.1	1950.1 1913.1 1991.2	1804.9 1770.7 1842.9	1648.4 1619.1 1686.2
Coil 5 P	8.265 5.246 11.246	25.895 22.844 28.844	43.221 40.133 46.133	60.423 57.297 63.297	77.453 74.316 80.316	94.426 91.243 97.243	111.151 107.983 113.983	127.892 124.669 130.669
Coil 6 M	6011.9 5994.5 6136.1	5926.6 5813.1 6050.4	5769.7 5661.5 5882.5	5545.5 5443.9 5646.1	5264.6 5170.6 5361.6	4933.4 4848.5 5046.4	4562.2 4482.6 4665.6	4158.0 4091.4 4293.3
Coil 6 P	8.249 5.217 11.217	26.050 22.977 28.977	43.474 40.369 46.369	60.774 57.639 63.639	77.913 74.770 80.770	94.991 91.818 97.818	111.872 108.699 114.699	128.722 125.531 131.531

INSTRUMENT CONFIGURATION

Source File: /dat1a/090260J/TTRM_GR_HDIL.tdg

CABLEHEAD

Diameter : 3.38"
Length : 5.50'
Weight : 24 lbs
Series : CABL33B
Mnemonic : CBLH
Measure Point: 3.75': CABLEHEAD TOP

50.42'
CABLEHEAD TOP 47.67'

TTRM SUB

Diameter : 3.63"
Length : 3.83'
Weight : 62 lbs
Series : 39B1XA
Mnemonic : TTRM
Measure Point: 1.38': TEMP MP
Measure Point: 1.13': RM MP

TEMP MP 43.47'
RM MP 42.33'

WTS COMMON REMOTE

Diameter : 3.63"
Length : 6.36'
Weight : 126 lbs
Series : 3514XB
Mnemonic : WTS

DIGITAL SPECTRALOG

Diameter : 3.63"
Length : 7.31'
Weight : 130 lbs
Series : 1329XA
Mnemonic : DSL
Measure Point: 1.60': GR MP

GR MP 29.01'

HIGH DEFINITION INDUCTION TOOL

Diameter : 3.63"
Length : 27.13'
Weight : 415 lbs
Series : 1515XA
Mnemonic : HDIL
Measure Point: 13.91': SP MP
Measure Point: 7.44': XMTR MP

SP MP 14.19'

XMTR MP 7.72'

BULL PLUG 3 3/8

0.00'

TOTAL LENGTH: 50.43'
TOTAL WEIGHT: 763 lbs
MAX DIAMETER: 0'4.00"



COMPANY SOUTHWESTERN ENERGY PROD CO

WELL DIAMOND T SHEEP 7-92 1-26

FIELD SAND WASH BASIN

COUNTY MOFFAT STATE CO

FILE NO:

OH090260

API NO:

05081078040000

LOCATION:

SHL LAT: 40.534283

SHL LONG: -107.693039

ELEVATIONS:

KB 6702 FT

DF

GL 6680 FT

PRECISION 706

SEC 26 TWP 7N RGE 92W

DATE 04-SEP-2014