

Crew								
Name	Arrive	Depart	Name	Arrive	Depart	Name	Arrive	Depart
	Wellsite	Wellsite		Wellsite	Wellsite		Wellsite	Wellsite
Kristoffer Peterson	10/Mar/2015	21/Mar/2015	James Stover	15/Mar/2015	21/Mar/2015	Juan Chaparro	10/Mar/2015	15/Mar/2015
Marcos Favola	10/Mar/2015	21/Mar/2015	Enyonam Anyigba	10/Mar/2015	21/Mar/2015	Jacob Fontenot	10/Mar/2015	21/Mar/2015

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Mud Properties Record

Date / Time		LWD Run No.	Measured Depth (ft.)	Mud Type	Density (ppg)	Viscosity (cp)	pH	Fluid Loss (cc)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
10/Mar/2015	06:15	1	24	Water Based Mud	9.5	35	9.1	N/A	0 / 95	Active Mud Pit	500	0.0
11/Mar/2015	13:50	2	1100	Water Based Mud	9.5	34	9.5	N/A	0 / 95	Active Mud Pit	400	0.0
12/Mar/2015	09:00	2	6370	Water Based Mud	9.4	34	9.5	N/A	0 / 94.5	Active Mud Pit	400	0.0
13/Mar/2015	09:00	2	7997	Water Based Mud	10.3	43	8.0	N/A	0 / 90.2	Active Mud Pit	500	0.0
15/Mar/2015	08:30	3	8000	Water Based Mud	9.2	36	11.3	N/A	0 / 96	Active Mud Pit	400	0.0
16/Mar/2015	09:30	3	8010	Water Based Mud	9.4	37	11.0	N/A	0 / 94.7	Active Mud Pit	400	0.0
17/Mar/2015	09:00	3	10208	Water Based Mud	10.1	56	9.5	N/A	0 / 91.2	Active Mud Pit	400	0.0
18/Mar/2015	09:15	3	10650	Water Based Mud	9.6	37	8.5	N/A	0 / 92.7	Active Mud Pit	400	0.0
18/Mar/2015	12:00	3	14140	Water Based Mud	9.6	38	8.0	N/A	0 / 89.7	Active Mud Pit	600	0.0

Mud Resistivity Record

				Surface				Downhole			
Date / Time		LWD Run No.	Measured Depth (ft.)	Surface Temp (deg F)	Rm (ohm.m)	Rmf (ohm.m)	Rmc (ohm.m)	BHCT (deg F)	Rm @ BHCT (ohm.m)	Rmf @ BHCT (ohm.m)	Rmc @ BHCT (ohm.m)
16/Mar/2015	11:56	3	8096	101	1.97	1.97	1.97	169	1.19	1.19	1.19
17/Mar/2015	04:50	3	10211	105	1.85	1.85	1.85	212	0.93	0.93	0.93
18/Mar/2015	10:32	3	10807	107	1.88	1.88	1.88	217	0.94	0.94	0.94
19/Mar/2015	01:05	3	13103	109	1.89	1.89	1.89	236	0.89	0.89	0.89

Mnemonics

Curve	Description	Units
RPSIHM	Resistivity Sliding Indicator	unitless
BDIM	Bulk Density Data Point Indicator	unitless
DPSPM	Density Porosity (Sandstone) 0.5ft Avg.	pu
GRIM	Gamma Ray Data Point Indicator	unitless
GRAM	Gamma Ray - Apparent, 0.5ft. Avg	API
GRAX	Gamma Ray - Apparent, 0.5ft. Avg	API
ROPA	Rate of Penetration 3.0 ft. Avg	ft/hr
RPCHM	Res PD LS 2MHz Corrected	ohm.m
RPCHM	Resistivity Phase - Corrected - 2MHz	ohm.m
RACHM	Res AT LS 2MHz Corrected	ohm.m
RACHM	Resistivity Attenuation - Corrected - 2MHz	ohm.m
NPCKSM	Neutron Porosity (Sandstone) Caliper & Salinity Corrected,0.5ft. Avg	pu
BDSIM	Bulk Density Sliding Indicator	unitless
RPTHM	Resistivity Time Since Drilled	min

Equipment and Service Data

LWD Run	Tool	Serial Number	Measurement	Bit Offset	Max C.D.	Min I.D.
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Run No.		Number		Offset (ft)	C.D. (in.)	I.D. (in.)
1	DIR	12497605	Directional	61.17	6.750	0.000
1	SRIG	10585205	Gamma	57.80	6.750	0.000
2	DIR	12047098	Directional	61.73	6.750	0.000
2	SRIG	11801241	Gamma	58.31	6.750	0.000
3	CCN	10357426	Neutron	87.16	4.750	0.000
3	ORD	10357426	Density	78.26	4.750	0.000
3	OTK	10361336	Directional	54.88	4.750	0.000
3	OTK	10361336	Gamma	41.72	4.750	0.000
3	OTK	10361336	Resistivity	48.91	4.750	0.000

Service and Tool Mnemonics

Mnemonic	Name	Description
BCPM	BCPM	Mud pulse telemetry and downhole tool power module
CCN	Neutron	Compensated neutron porosity
DIR	Directional	Wellbore directional survey
ORD	Density	Azimuthal density, azimuthal density image, bulk density, photoelectric effect and borehole caliper
OTK	OnTrak	Propagation resistivity, propagation conductivity, gamma ray, directional, annular pressure, system memory and VSS
SRIG	Inclination and Gamma	Probe based gamma ray and inclination module

Comments

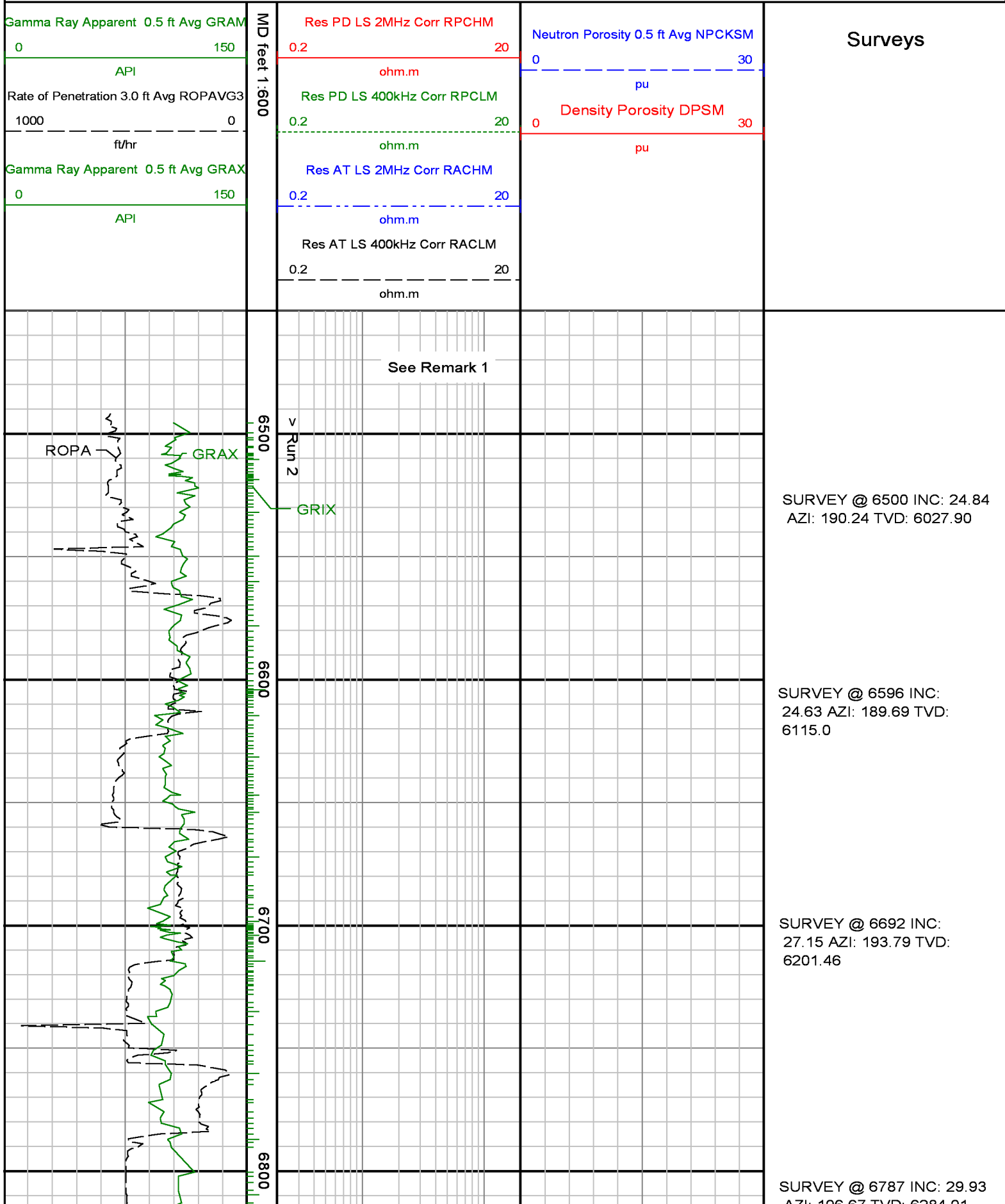
<p>1) Baker Hughes LWD run 1 utilized 6 3/4 inch NaviTrak Services (VSS and Directional) behind a 13 1/2 inch bit and steerable assembly from 24 to 1100 feet MD (24 to 1100 feet TVD).</p> <p>2) Baker Hughes LWD run 2 utilized 6 3/4 inch NaviTrak Services (VSS and Directional) behind an 8 3/4 inch bit and steerable assembly from 1100 to 8000 feet MD (1100 to 7074 feet TVD).</p> <p>3) Baker Hughes LWD run 3 utilized 4 3/4 inch Ontrak and Lithotrak Services (VSS, Directional, Multiple Propagation Resistivity, Neutron Porosity, Density porosity, and Gamma Ray) behind a 6 1/8 inch bit and steerable assembly from 8000 to 15015 feet MD (7074 to 7062 feet TVD).</p> <p>4) Depth measurements obtained from a depth control system not supplied or operated by Baker Hughes INTEQ. Due to lack of control by Baker Hughes INTEQ logging engineers, depth calibration and measurements could not be indepently verified.</p> <p>5) A sliding indicator shown on the right side of tracks 2 and 3 as a heavy line. This indicator has been shifted to the MPR and Density Porosity sensor offsets to correspond to MPR and Density Porosity data acquired while sliding.</p>
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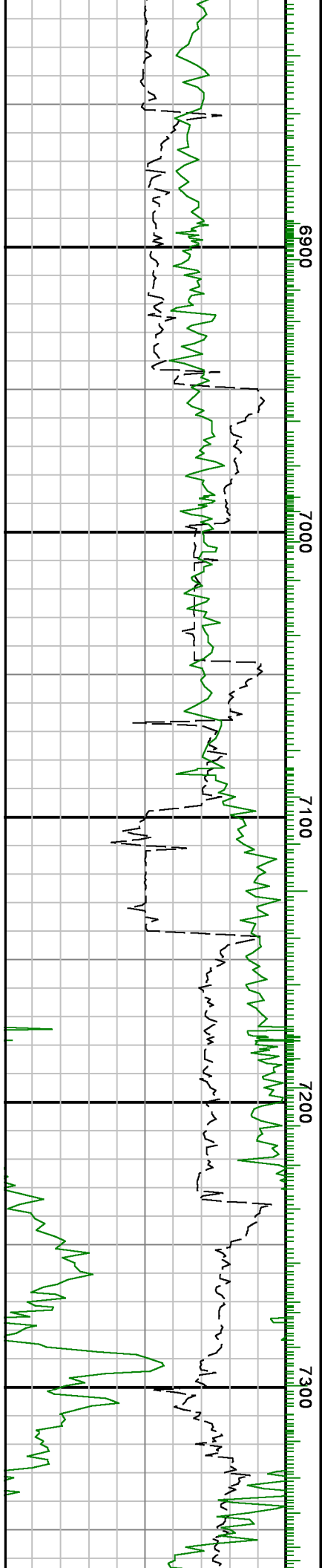
Remarks

Number	Measured Depth (ft)	Hole Section (in.)	LWD Run No.	Remark
1	6500	8.750	2	The interval from surface to 6500 feet MD (6027 feet TVD) was not logged since logging services began at kick off point
2	8000	6.125	3	Logging services for Neutron Porosity, Density Porosity and Multiple Propagation Resistivity began at 8000 feet MD (7076 feet TVD)
3	8000	6.125	3	Gap in Gamma Ray data from 7942 to 7964 feet MD (7073 to 7075 feet TVD) due to sensor offsets for different bottom hole assembly
4	15000	6.125	3	The interval from 14928 to 15015 feet MD (7061 to 7062 feet TVD) was not logged due to bit sensor offset at TD.



Company : Extraction Oil & Gas  
Well : DT-MARTINEZ C5-5-6  
Interval : 6450.00 - 15050.00 feet  
Created : 20/Mar/2015 11:36:01 PM





AZI: 196.67 TVD: 6264.91

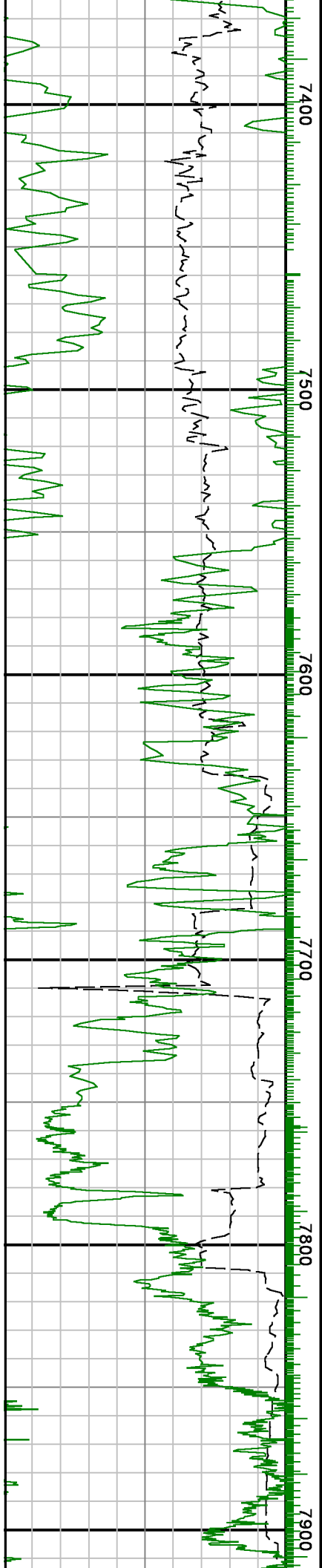
SURVEY @ 6883 INC: 24.54  
AZI: 189.61 TVD: 6370.26

SURVEY @ 6978 INC: 24.03  
AZI: 189.89 TVD: 6456.85

SURVEY @ 7074 INC: 24.86  
AZI: 203.98 TVD: 6544.32

SURVEY @ 7170 INC: 21.62  
AZI: 212.44 TVD: 6632.55

SURVEY @ 7265 INC: 34.68  
AZI: 235.03 TVD: 6716.36



SURVEY @ 7360 INC: 51.29  
AZI: 249.79 TVD: 6785.78

SURVEY @ 7456 INC: 52.80  
AZI: 249.67 TVD: 6844.83

SURVEY @ 7551 INC: 52.16  
AZI: 249.23 TVD: 6902.69

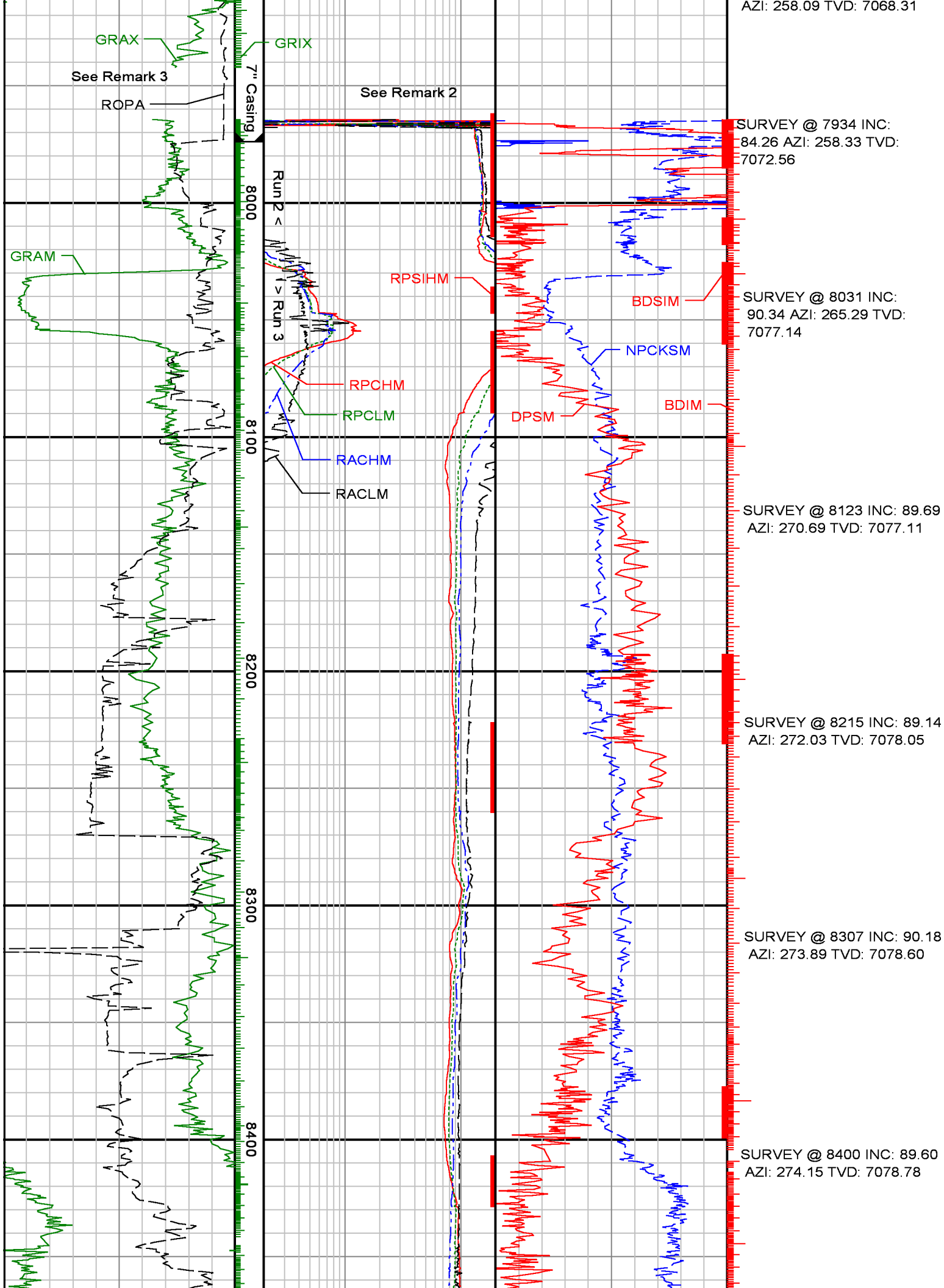
SURVEY @ 7647 INC: 52.58  
AZI: 249.30 TVD: 6961.30

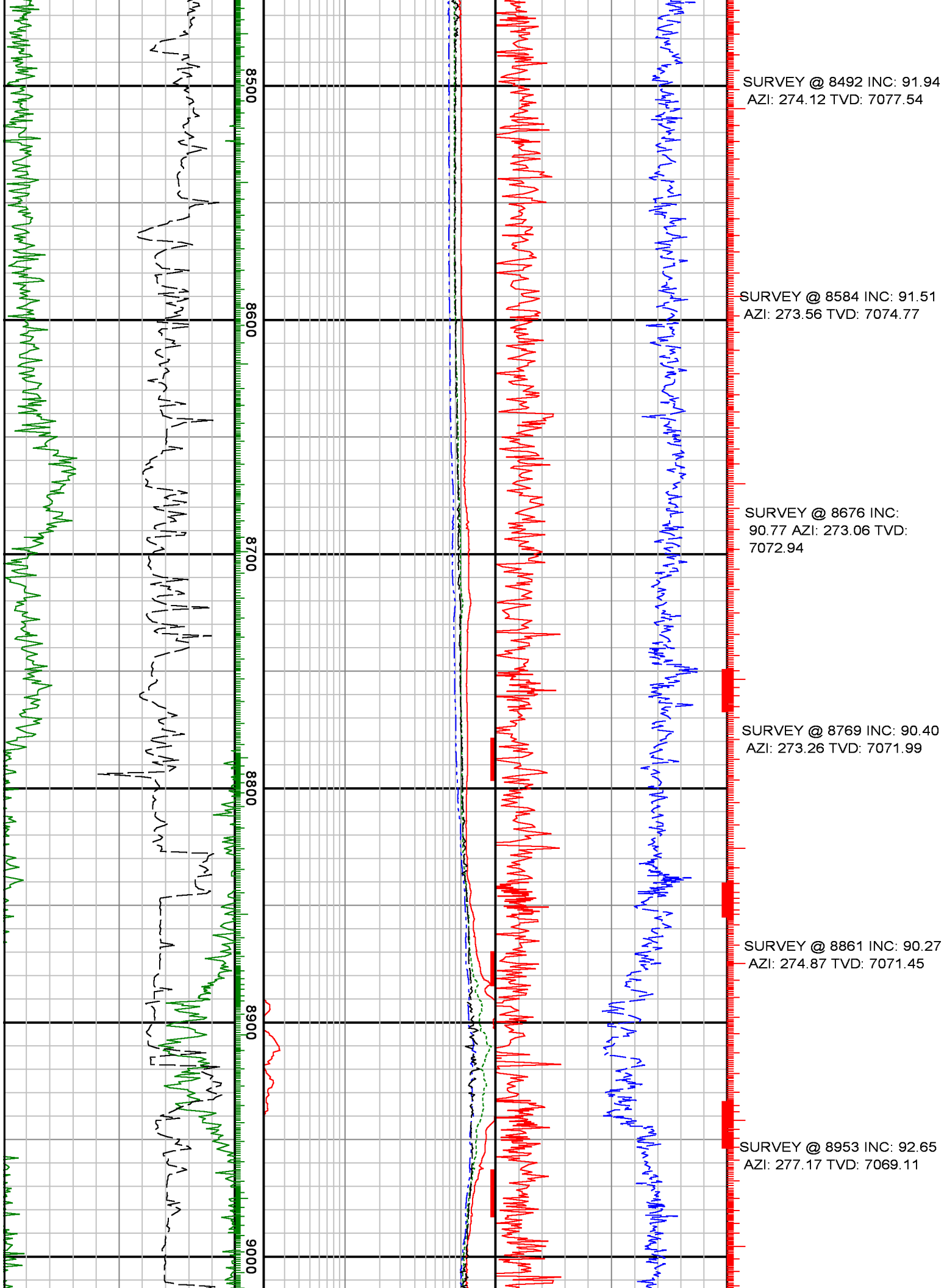
SURVEY @ 7743 INC:  
61.76 AZI: 253.85 TVD:  
7013.31

SURVEY @ 7839 INC:  
70.19 AZI: 255.50 TVD:  
7052.36

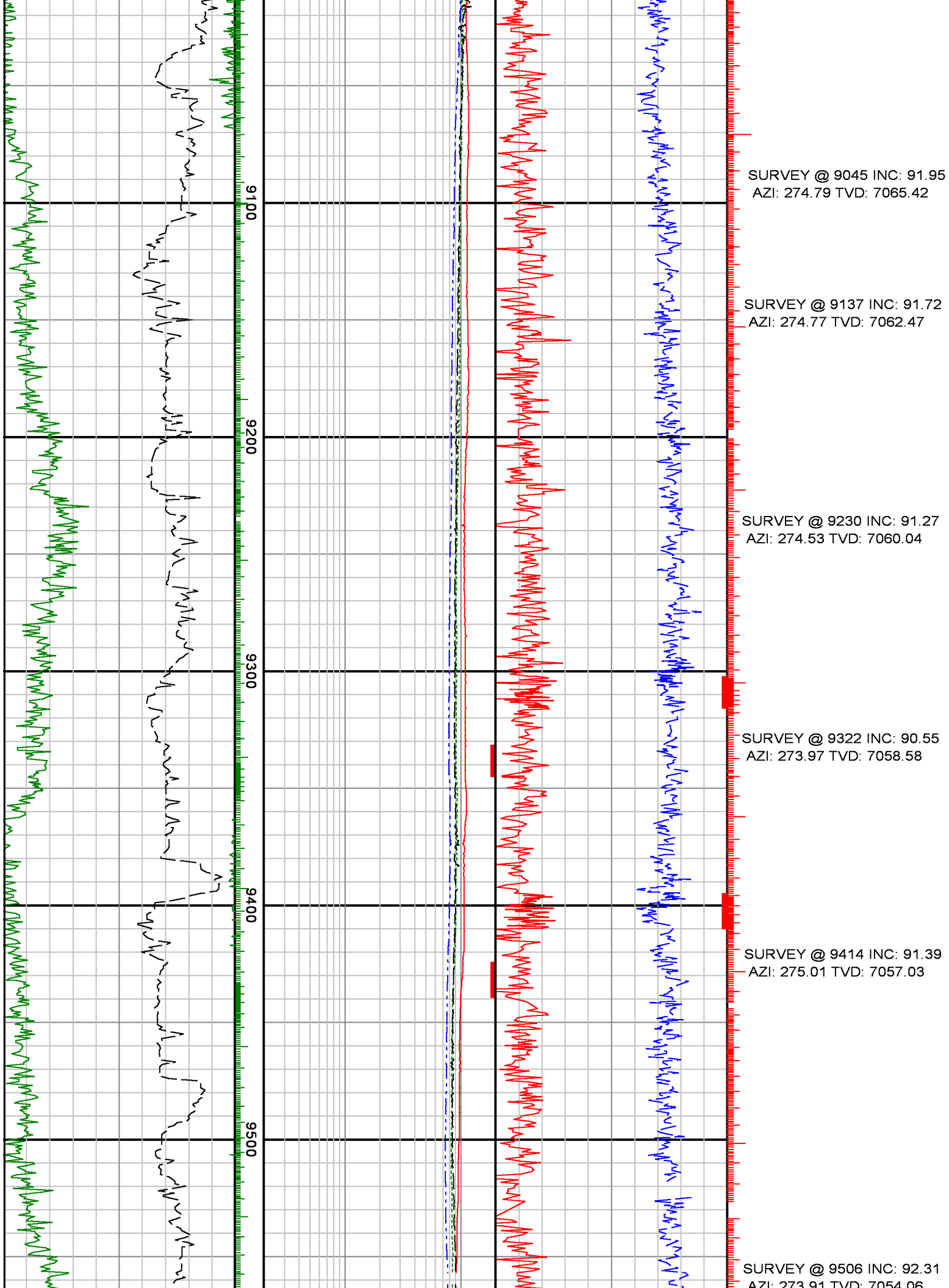
SURVEY @ 7902 INC: 80.45

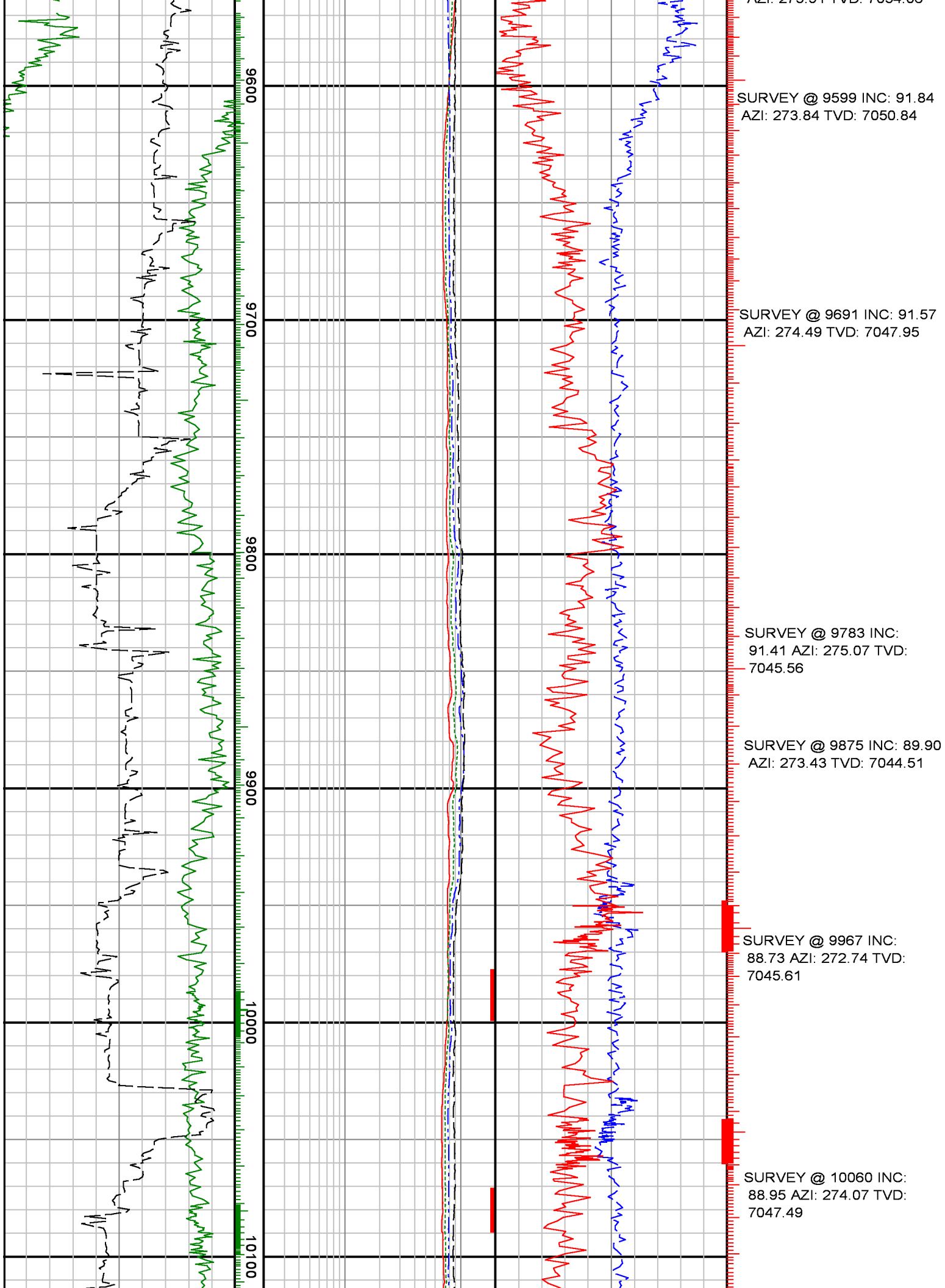
AZI: 258.09 TVD: 7068.31

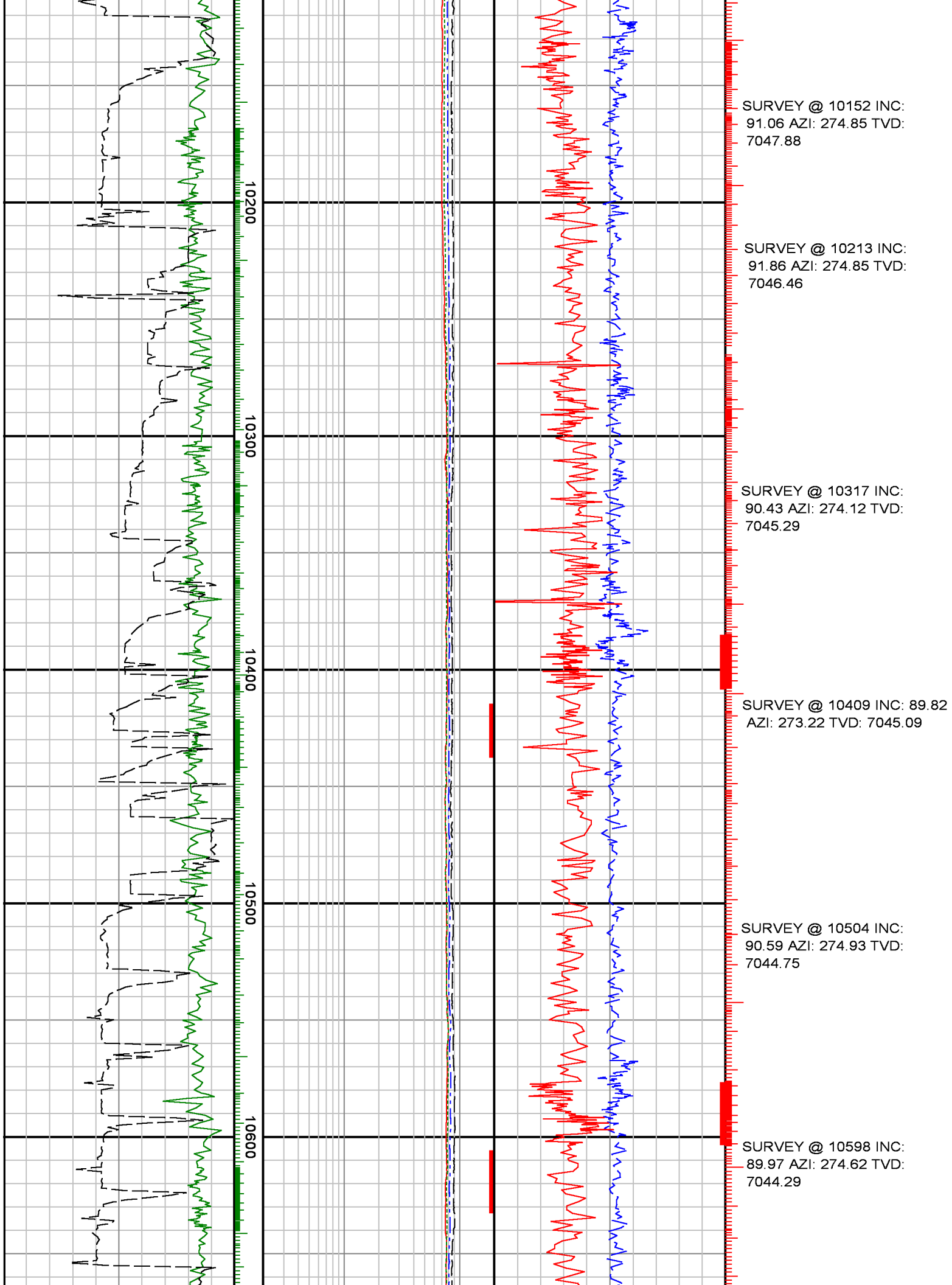


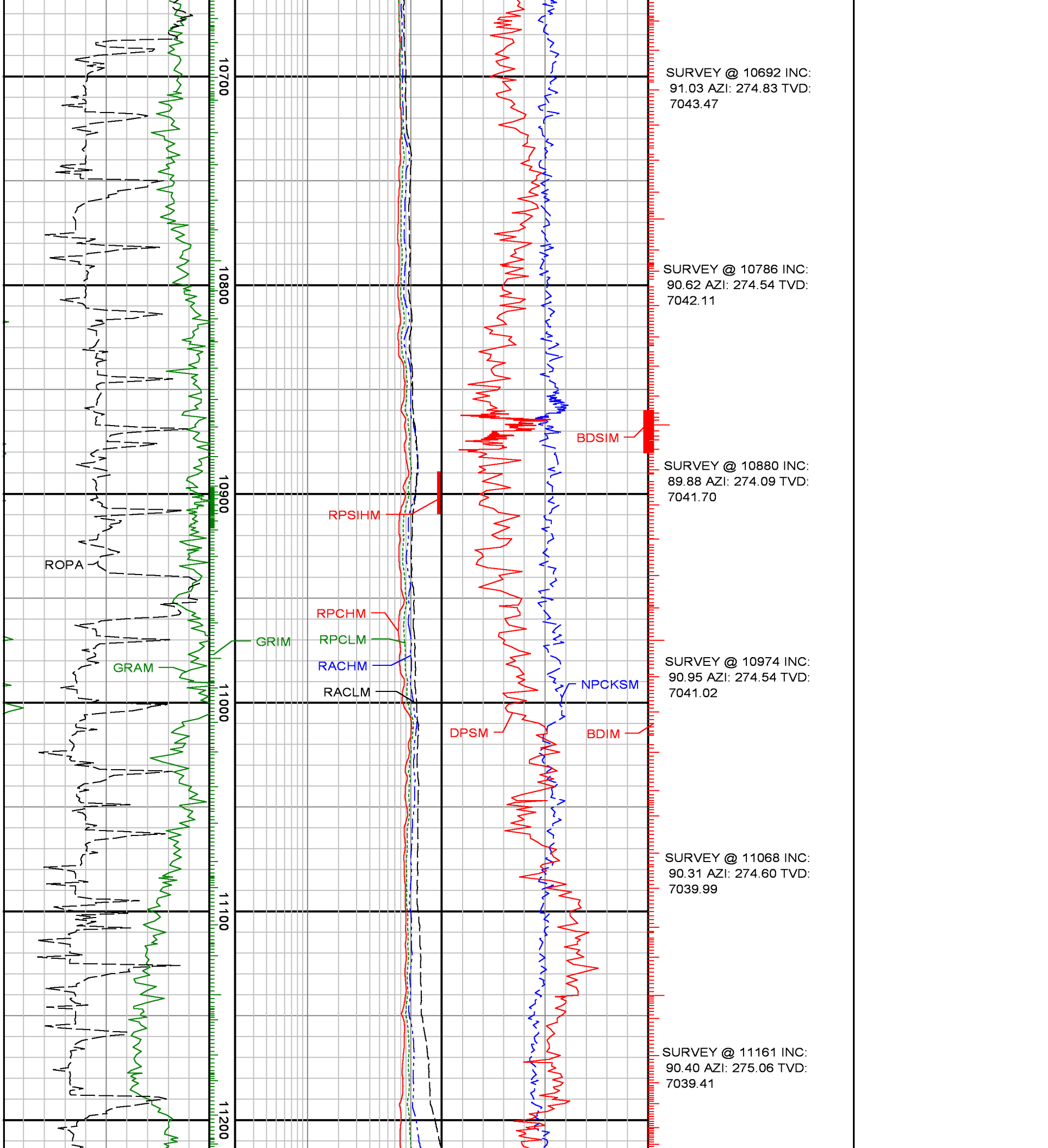




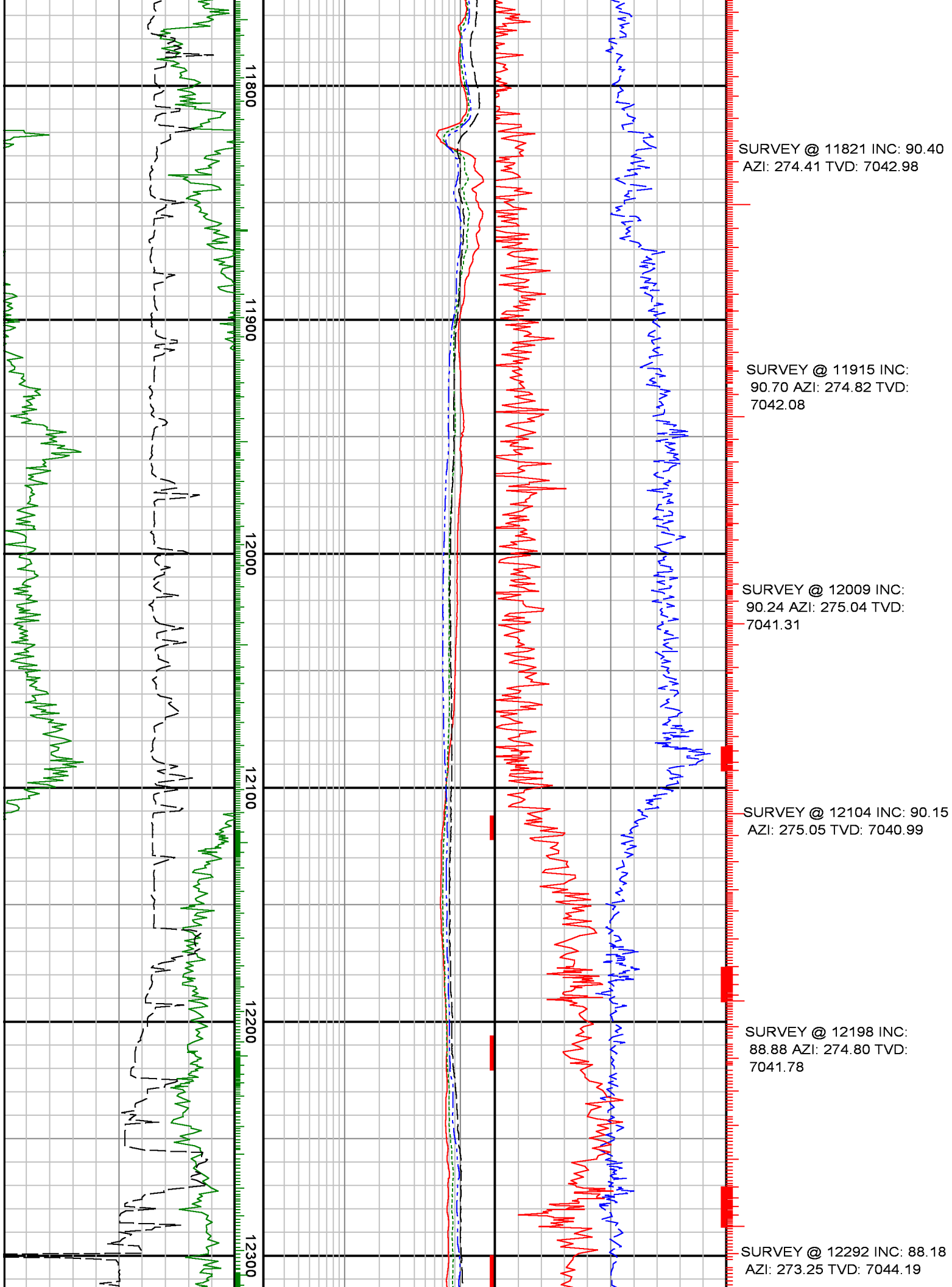


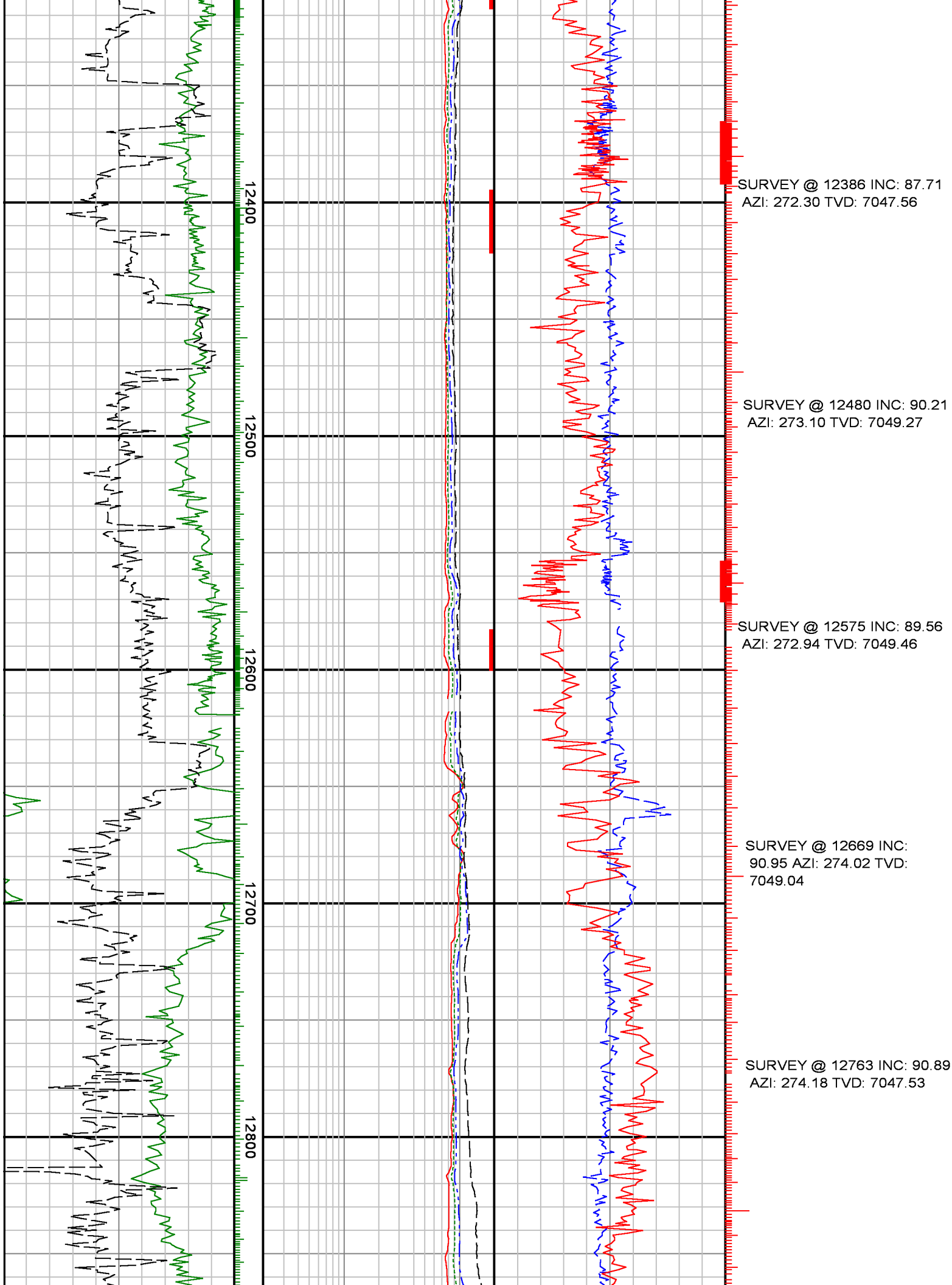


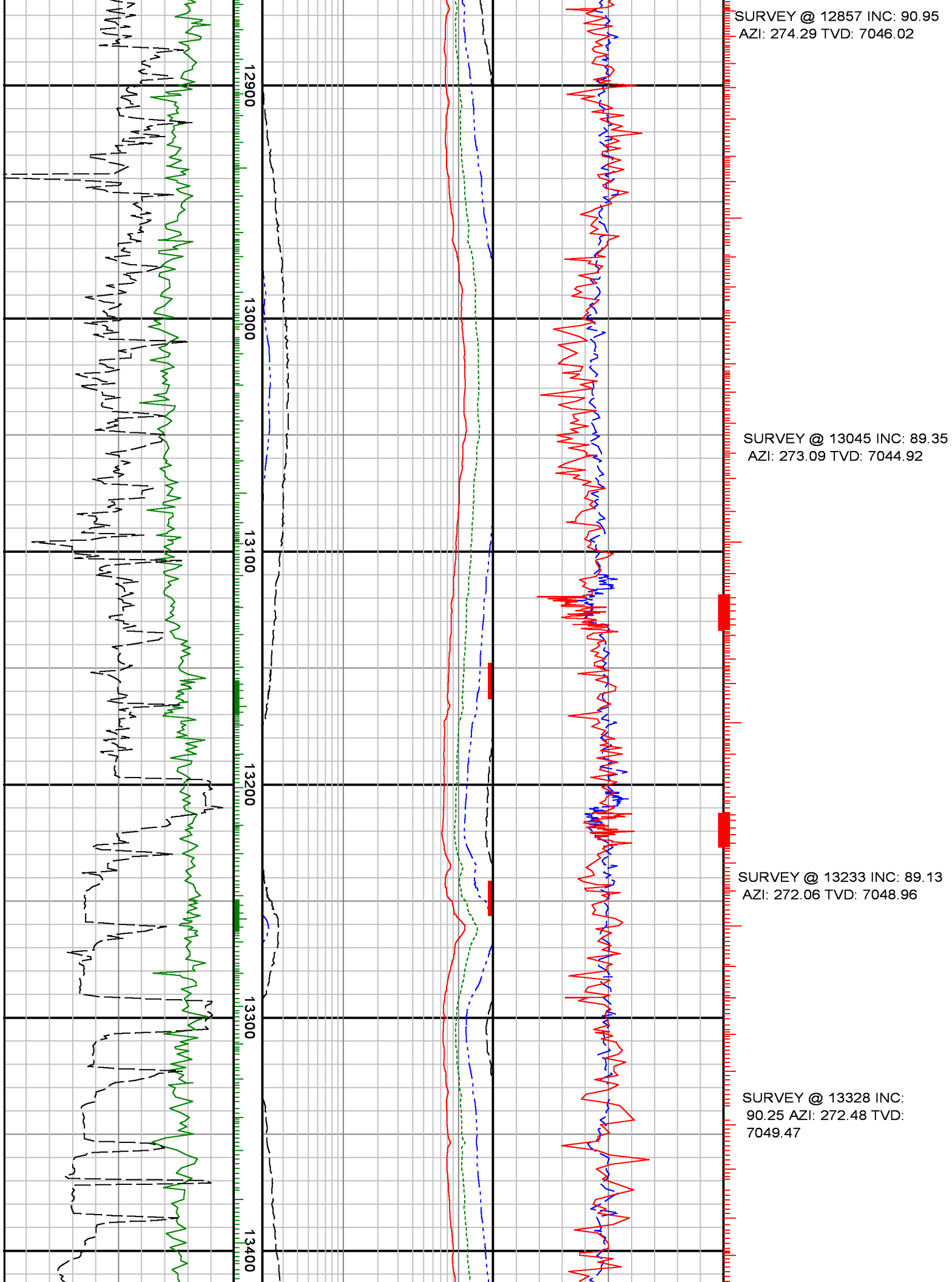




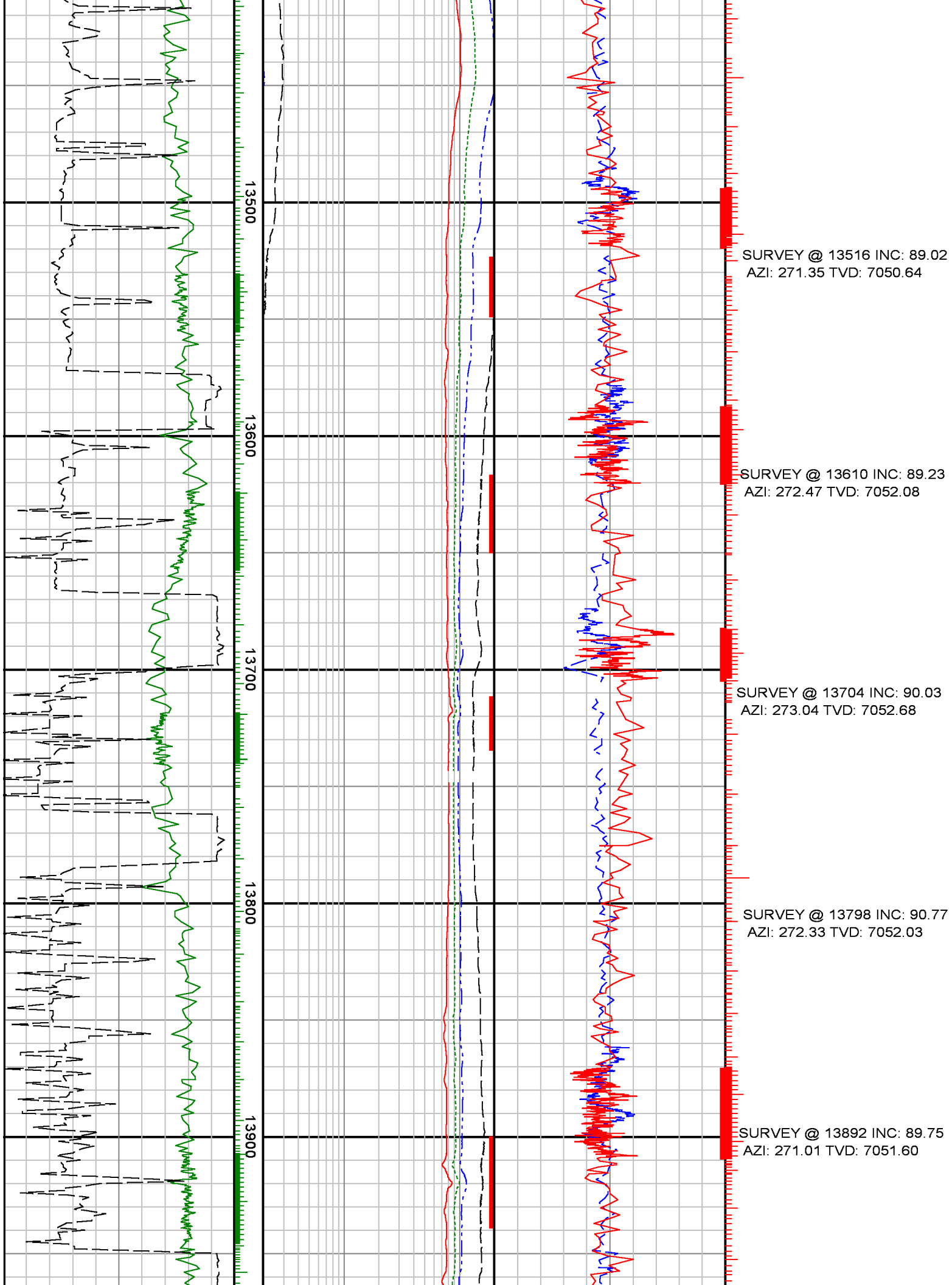


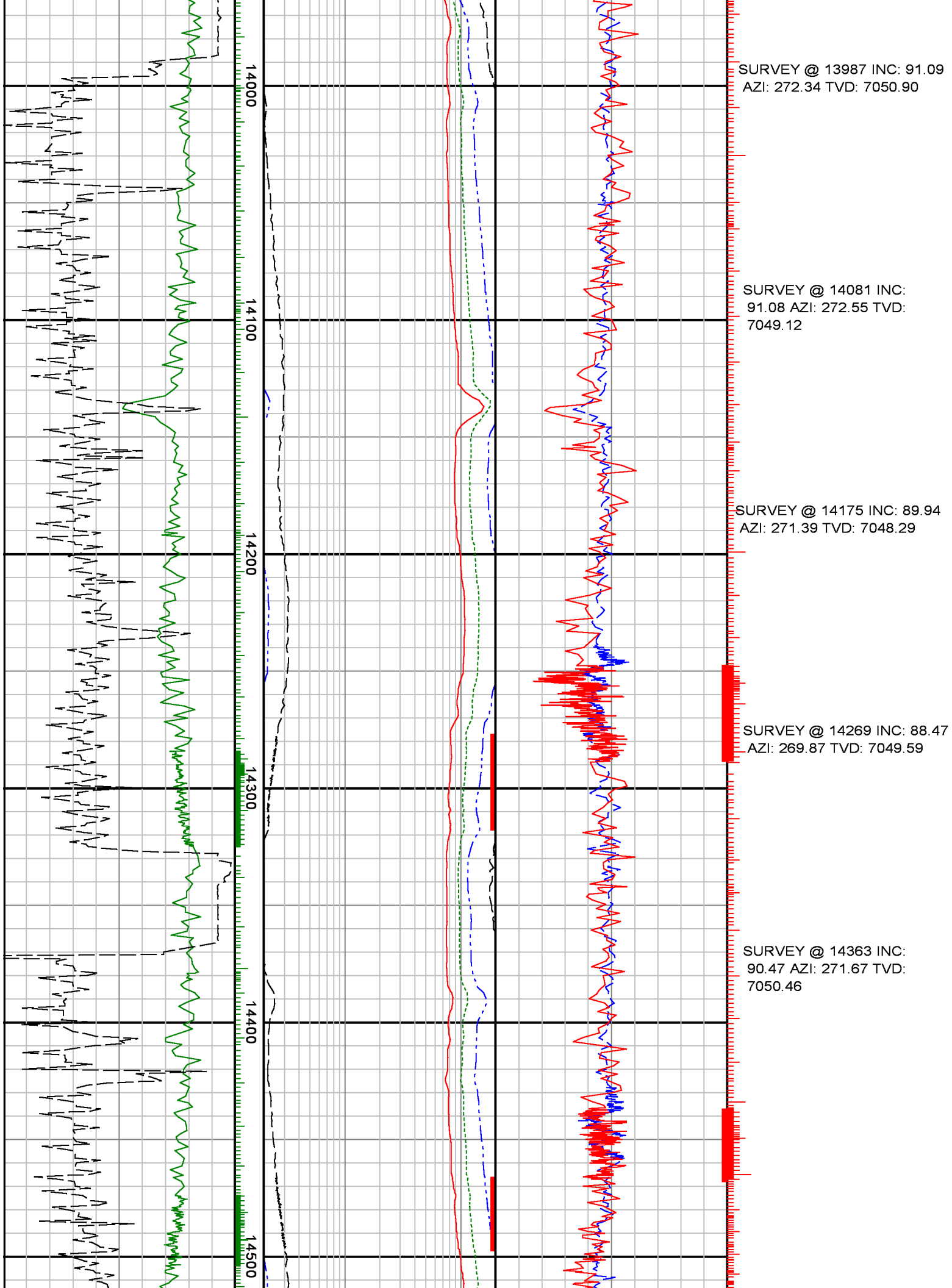


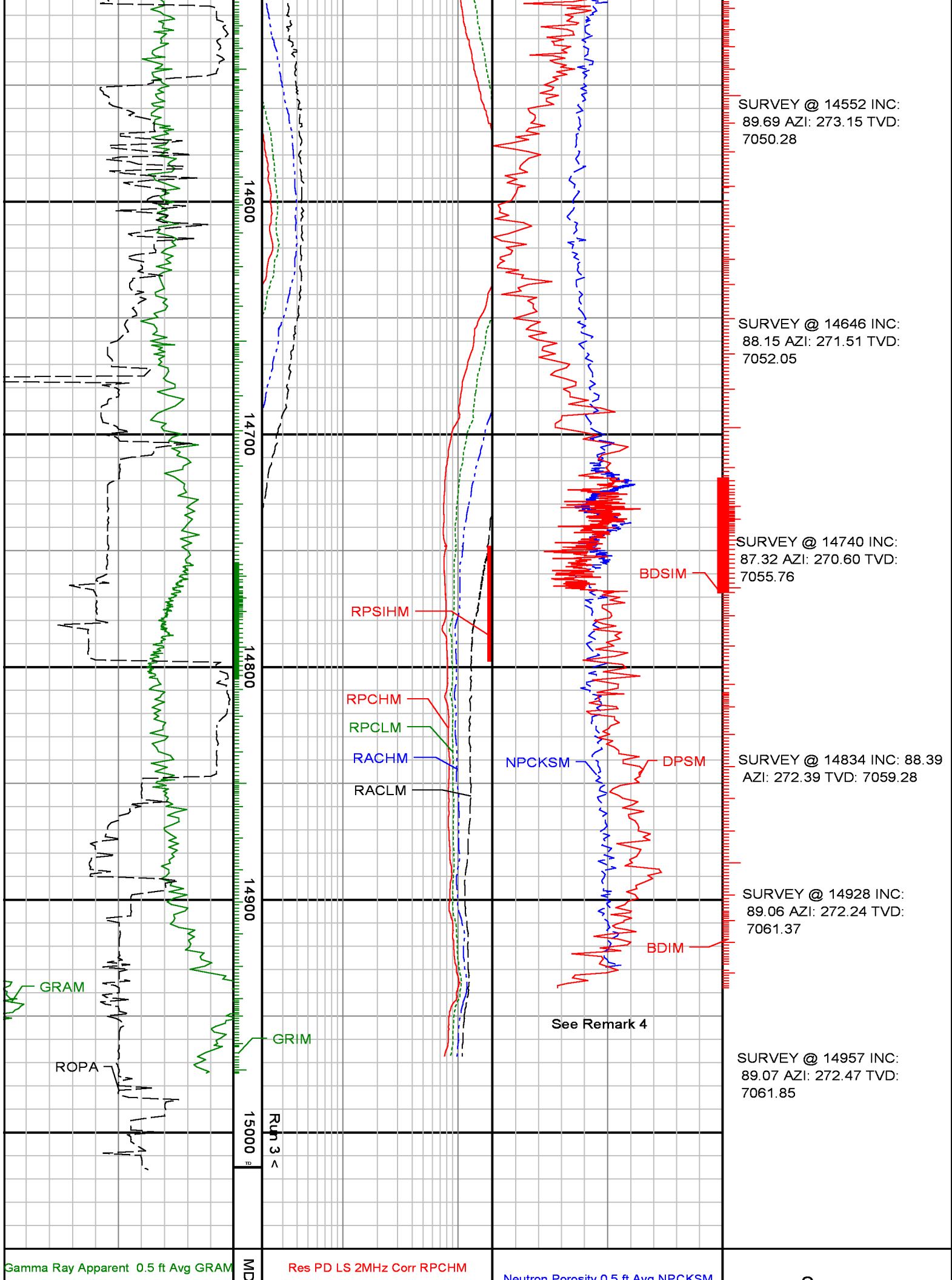












0	150	feet 1 : 600	0.2	20	0	30	Surveys
API			ohm.m				
Rate of Penetration 3.0 ft Avg ROPAVG3			Res PD LS 400kHz Corr RPCLM				
1000	0		0.2	20	0	30	
ft/hr			ohm.m				
Gamma Ray Apparent 0.5 ft Avg GRAX			Res AT LS 2MHz Corr RACHM				
0	150		0.2	20			
API			ohm.m				
			Res AT LS 400kHz Corr RACLM				
			0.2	20			
			ohm.m				