

## **APPENDIX E**

# **CALIPER, NATURAL GAMMA, RESISTIVITY, AND SPONTANEOUS POTENTIAL LOGS**



Vogtle Nuclear Power Plant

REMARKS ( C:\Data\PSwork.ing\Vogtle\B1002\B1002 all logs.hed )

COMPANY GEOVision  
 WELL B-1002, B-1002A  
 FIELD  
 COUNTRY  
 STATE GA  
 COUNTY  
 LAT.:  
 LONG.:

OTHER SERVICES

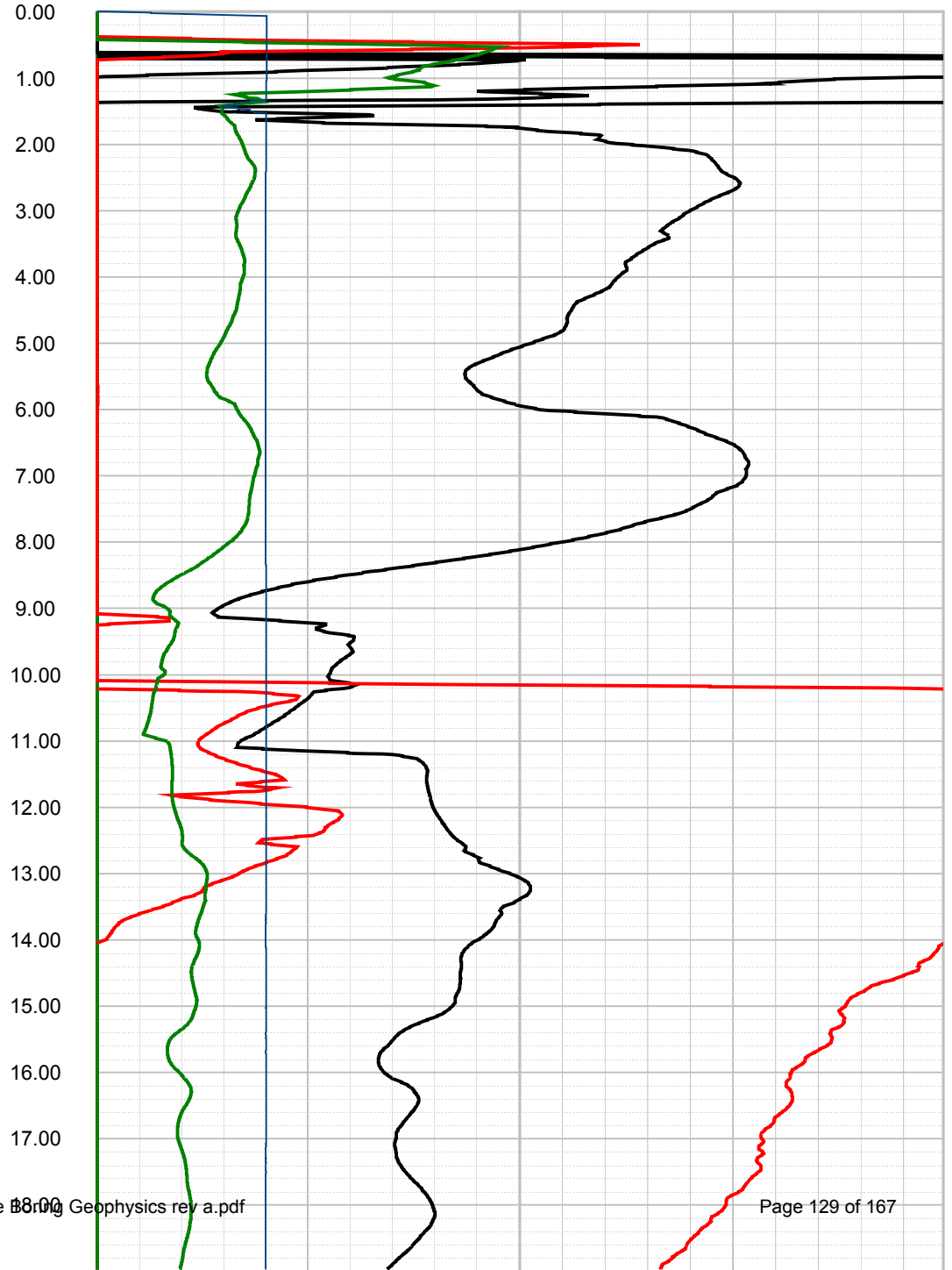
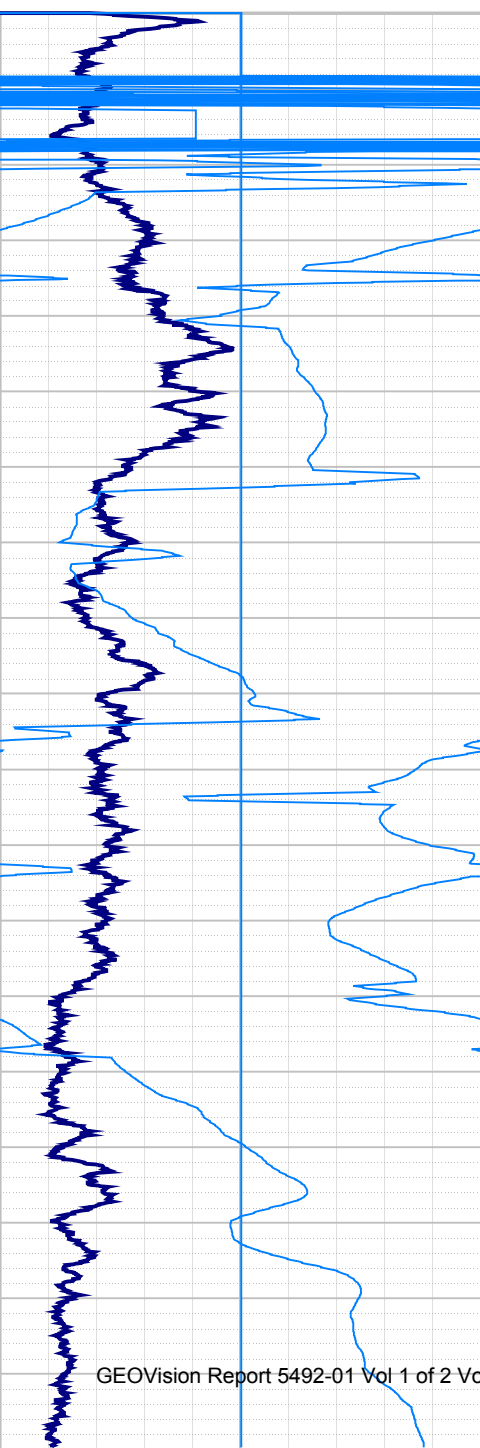
Perm. Da..	Elev	KB	0.00
Log. Datum		DF	0.00
Drill Datum		GL	0.00

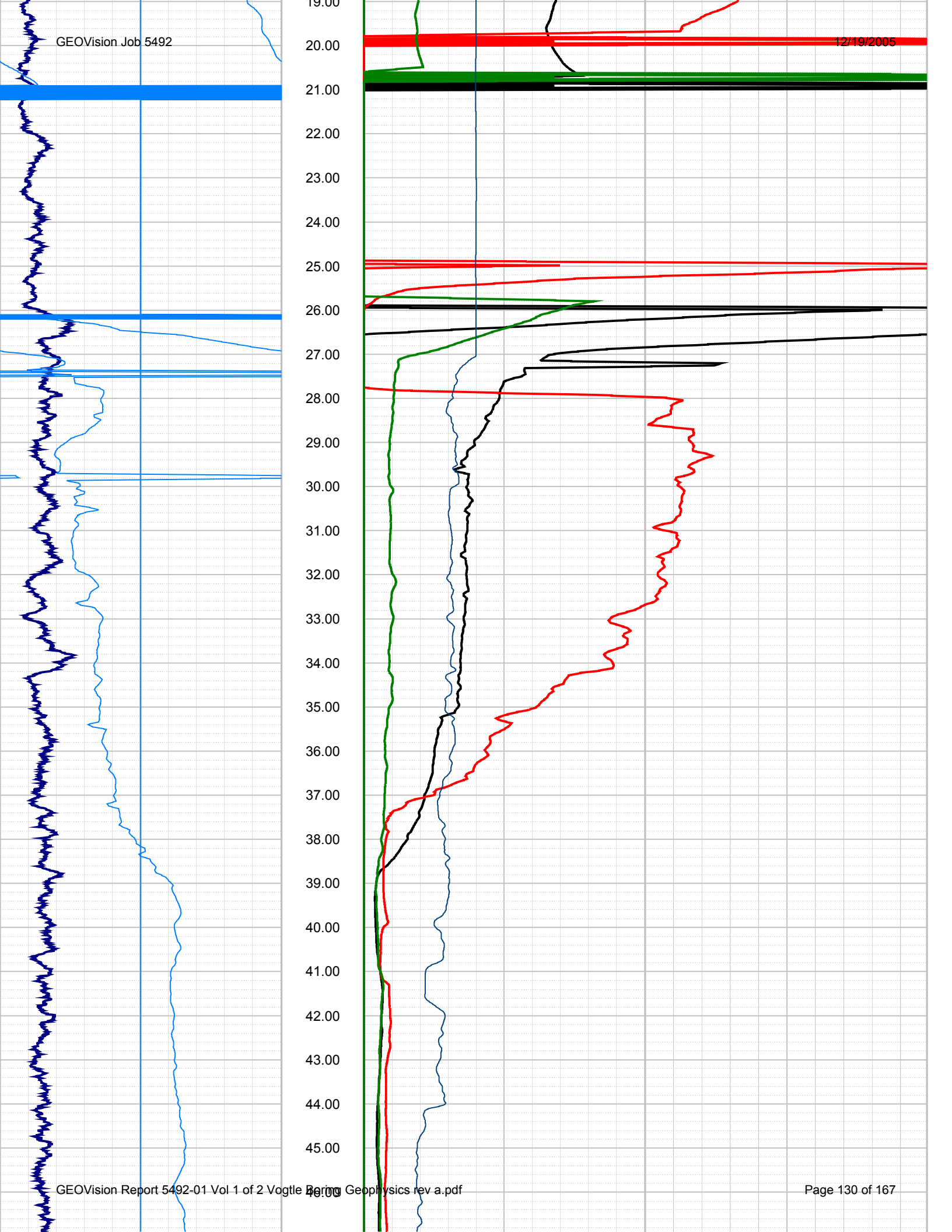
DATE	22 Sep 05	23 Sep 05	23 Sep 05
RUN#	1	2	3
TYPE OF LOG	Caliper / Nat Ga..	ELOG	ELOG
DEPTH DRILLER	79.30	79.30	21.30
DEPTH LOGGER	77.70	77.70	21.30
LOG DEEPEST	77.70	77.70	21.30
LOG SHALLOW	0.00	26.30	1.00
FLUID IN HOLE	Bentonite drilling..	Bentonite drilling..	Bentonite drilli..
SALINITY			
DENSITY			
LEVEL			
MAX TEMP °C	0.00	0.00	0.00
RIG TIME			
RECORDED BY	Rob Steller	Rob Steller	Rob Steller
WITNESSED BY	Jay Fagan	Jay Fagan	Jay Fagan

RUN#	BIT RECORD			CASING RECORD			
	SIZE	FROM	TO	SIZE	WEIGHT	FROM	TO
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00

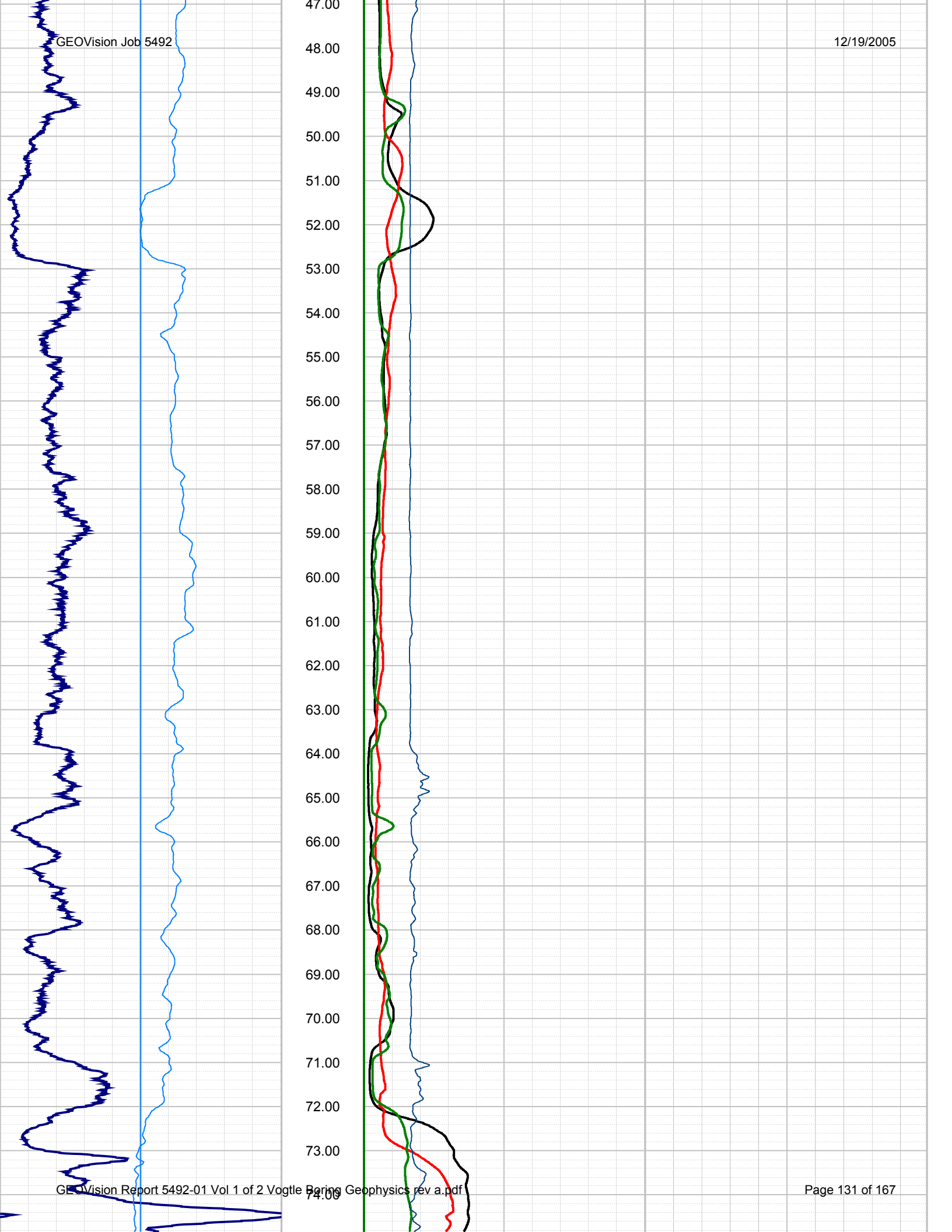
0.00	NGAM API Cs.	200.00
-500.00	SP Millivolt	500.00
-500.00	SP2 Millivolt	500.00

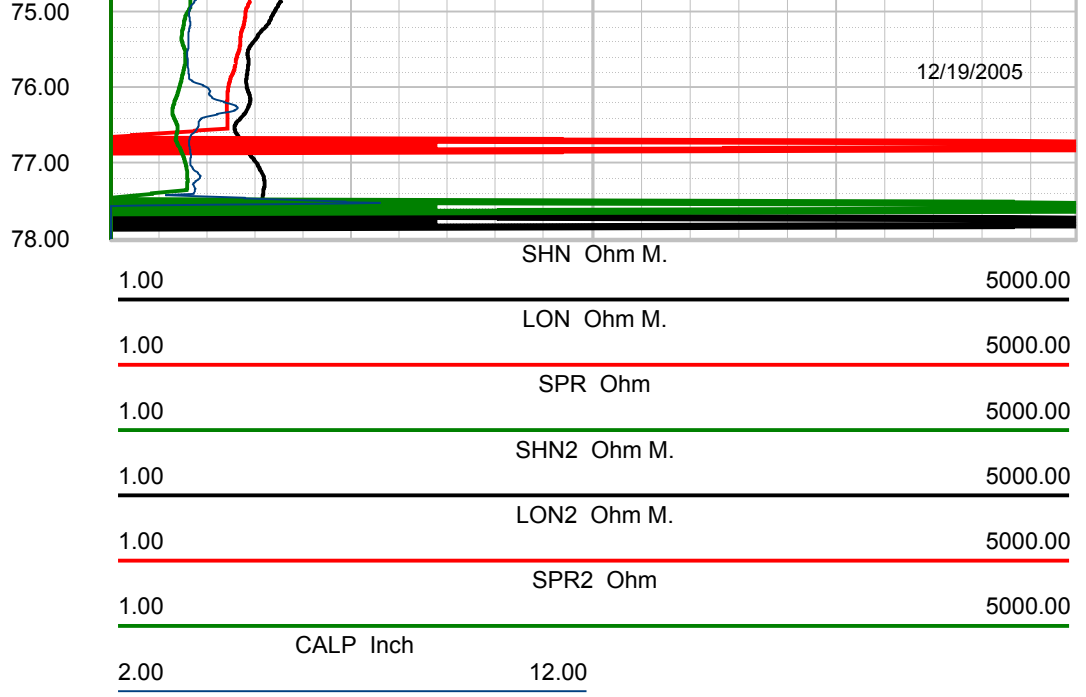
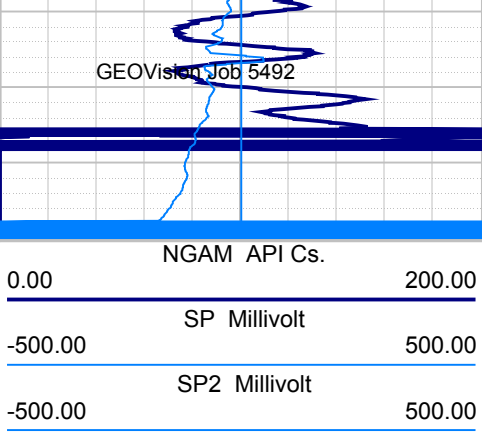
1.00	SHN Ohm M.	5000.00
1.00	LON Ohm M.	5000.00
1.00	SPR Ohm	5000.00
1.00	SHN2 Ohm M.	5000.00
1.00	LON2 Ohm M.	5000.00
1.00	SPR2 Ohm	5000.00
2.00	CALP Inch	12.00













Vogtle B-1003

REMARKS ( C:\Data\PSwork.ing\Vogtle\B1003\B1003 all log.hed )

COMPANY GEOVision  
 WELL B-1003  
 FIELD  
 COUNTRY  
 STATE GA  
 COUNTY  
 LAT.:  
 LONG.:

OTHER SERVICES

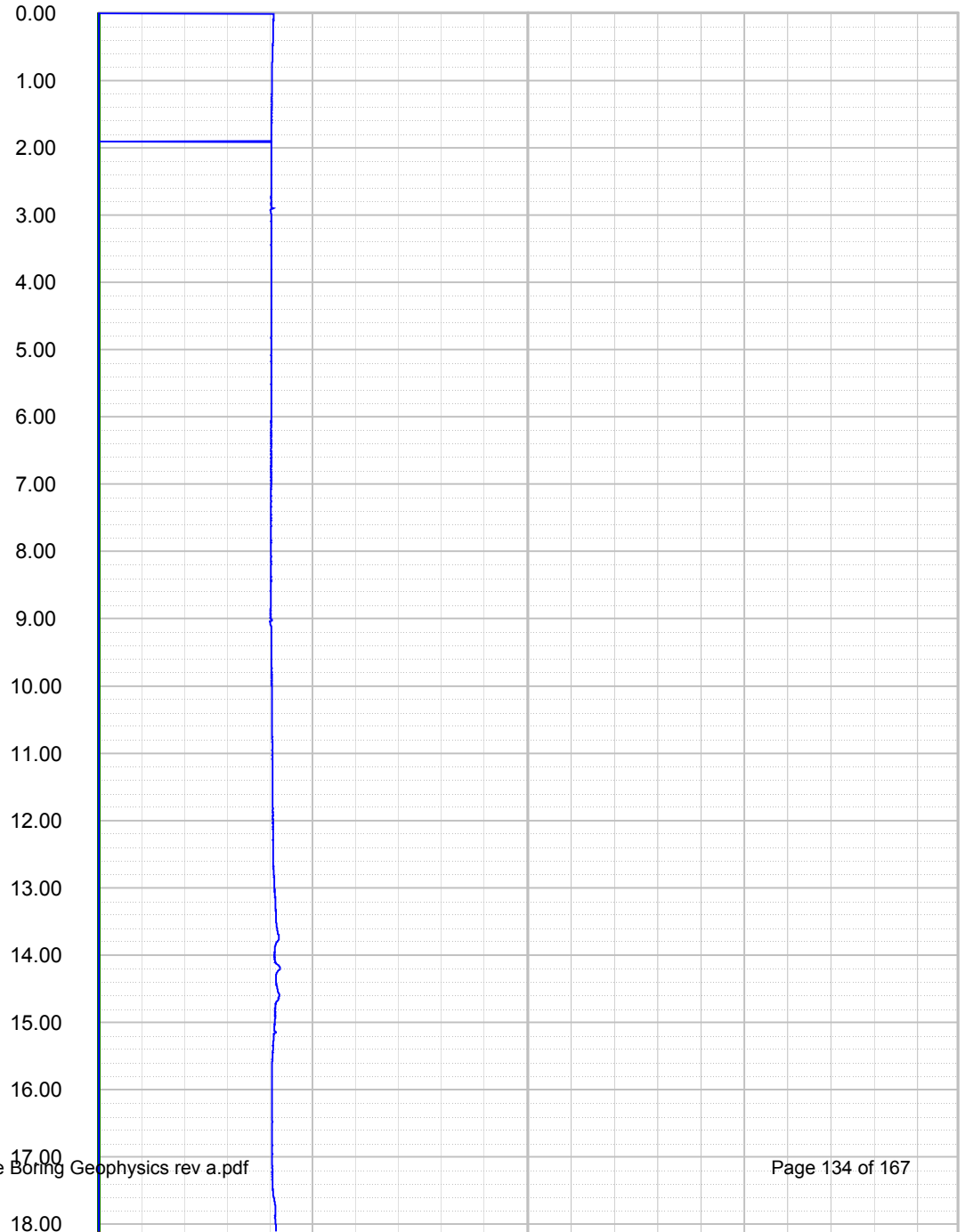
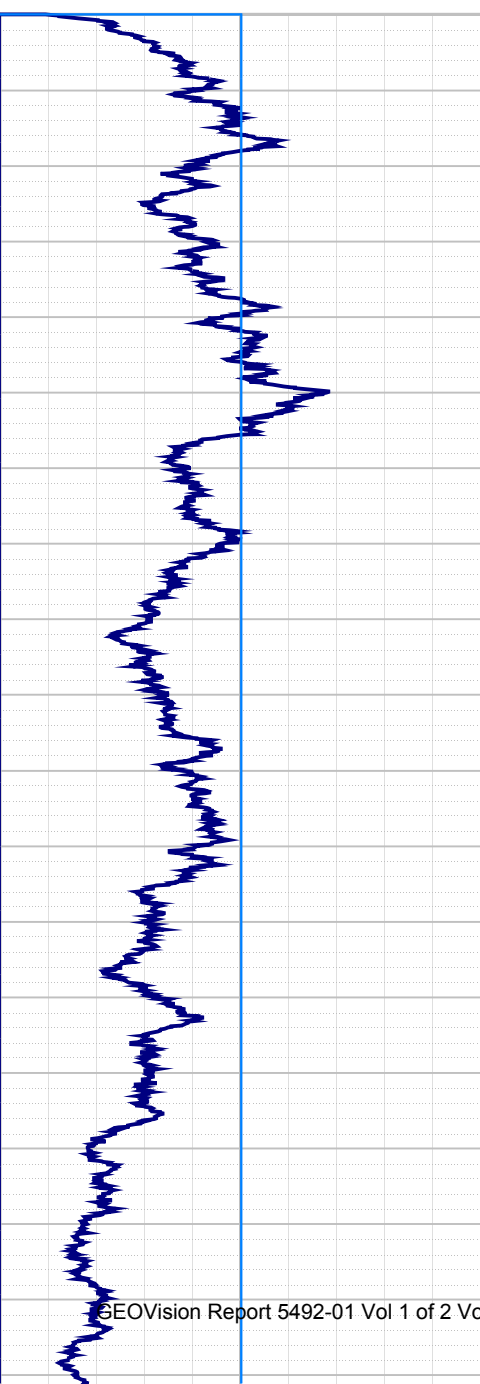
Perm. Da..	Elev	KB	0.00
Log. Datum		DF	0.00
Drill Datum		GL	0.00

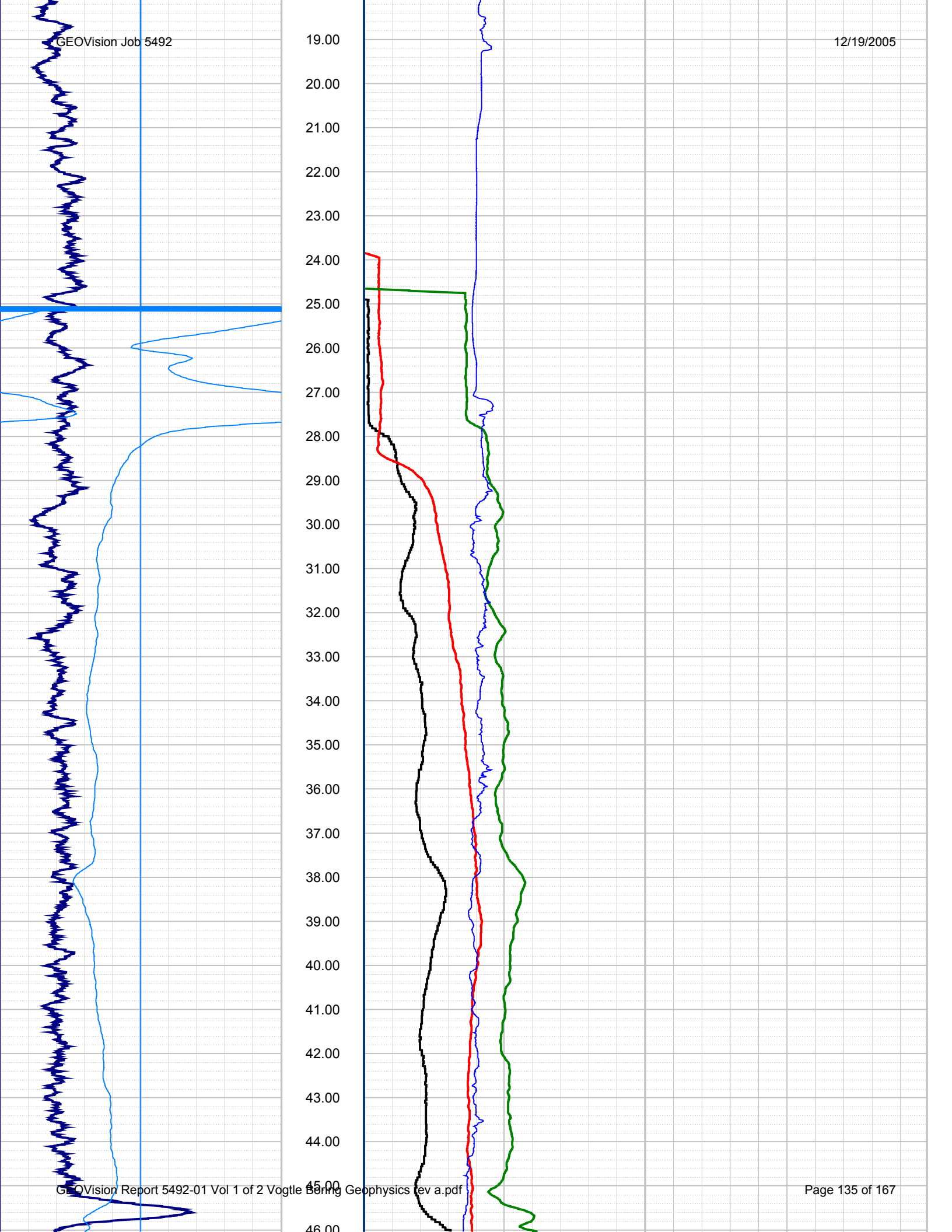
DATE	03 Oct 05	22 Oct 05	10 Nov 05
RUN#	1	2	3
TYPE OF LOG	Caliper / Nat Ga..	Elog	Caliper / Nat ..
DEPTH DRILLER	0.00	0.00	0.00
DEPTH LOGGER	0.00	0.00	0.00
LOG DEEPEST	328.06	323.73	403.56
LOG SHALLOW	0.00	25.27	320.34
FLUID IN HOLE			
SALINITY			
DENSITY			
LEVEL			
MAX TEMP °C	0.00	0.00	0.00
RIG TIME			
RECORDED BY	Rob Steller	Rob Steller	Rob Steller
WITNESSED BY	Matt Cooke	Matt Cooke	Matt Cooke

RUN#	BIT RECORD			CASING RECORD			
	SIZE	FROM	TO	SIZE	WEIGHT	FROM	TO
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00

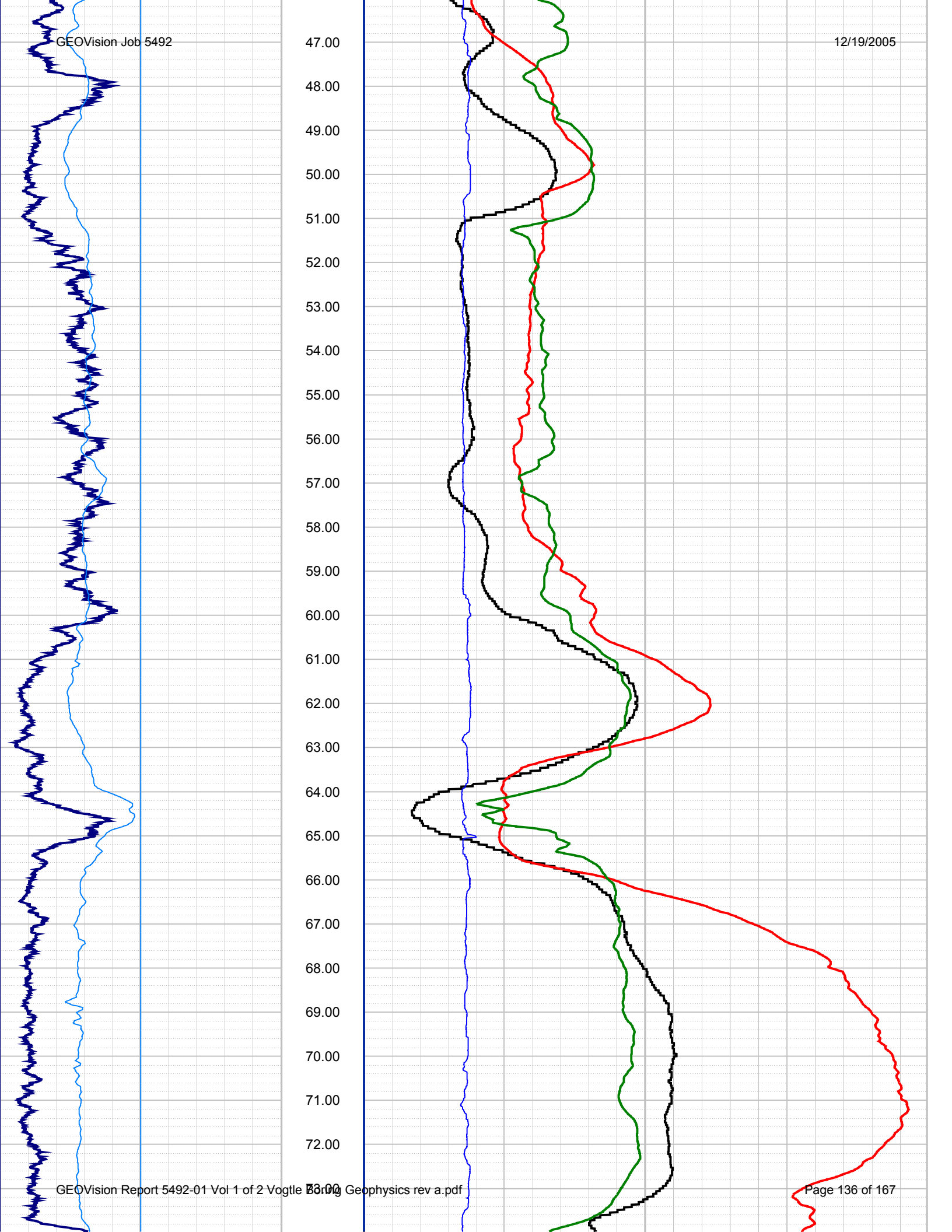
0.00	NGAM API Cs.	150.00
0.00	NGA2 API Cs.	150.00
-500.00	SP Millivolt	500.00
-500.00	SP2 Millivolt	500.00

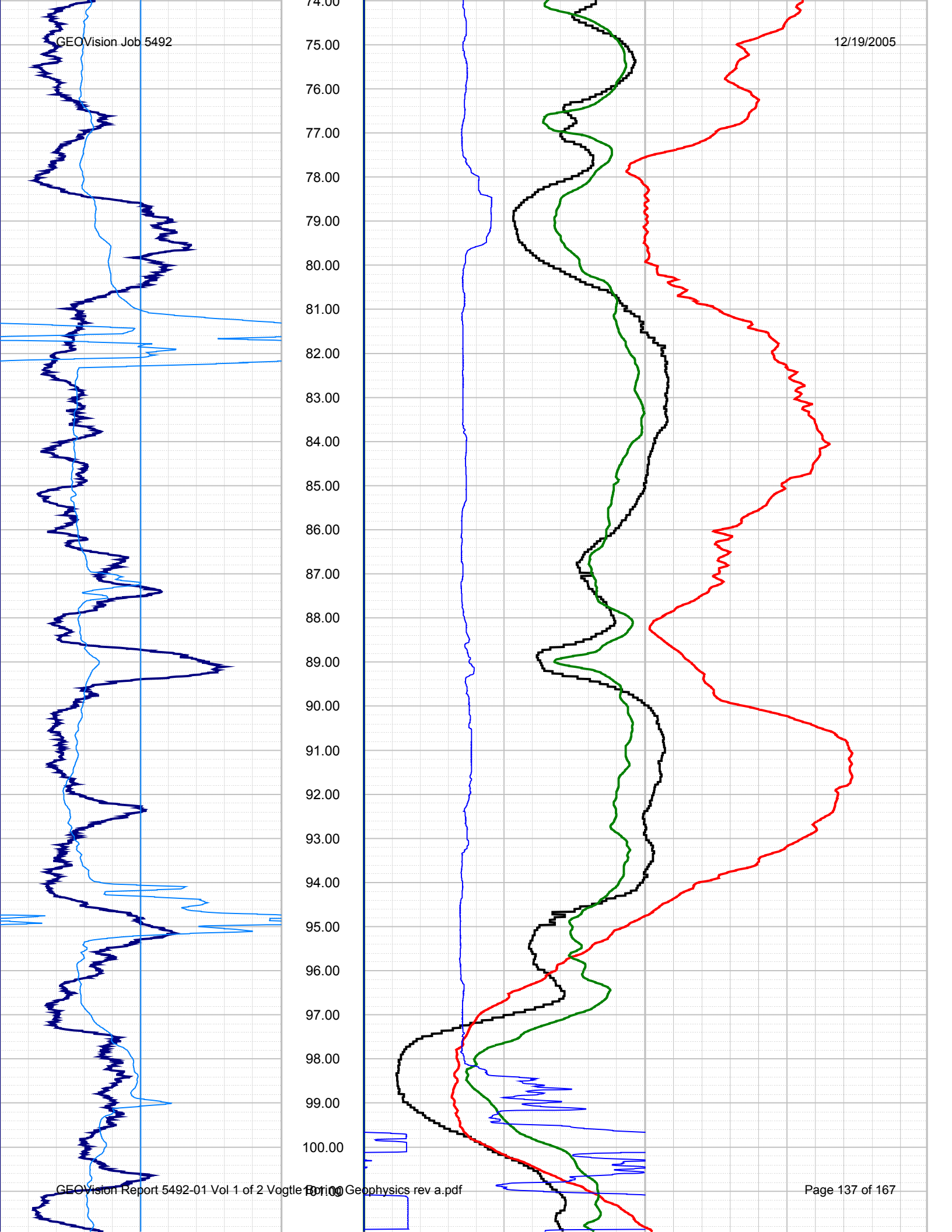
1.00	SHN Ohm M.	1000.00
1.00	LON Ohm M.	1000.00
1.00	SPR Ohm	500.00
1.00	SHN2 Ohm M.	1000.00
1.00	LON2 Ohm M.	1000.00
1.00	SPR2 Ohm	500.00
2.00	CALP Inch	12.00
2.00	CAL2 Inch	12.00



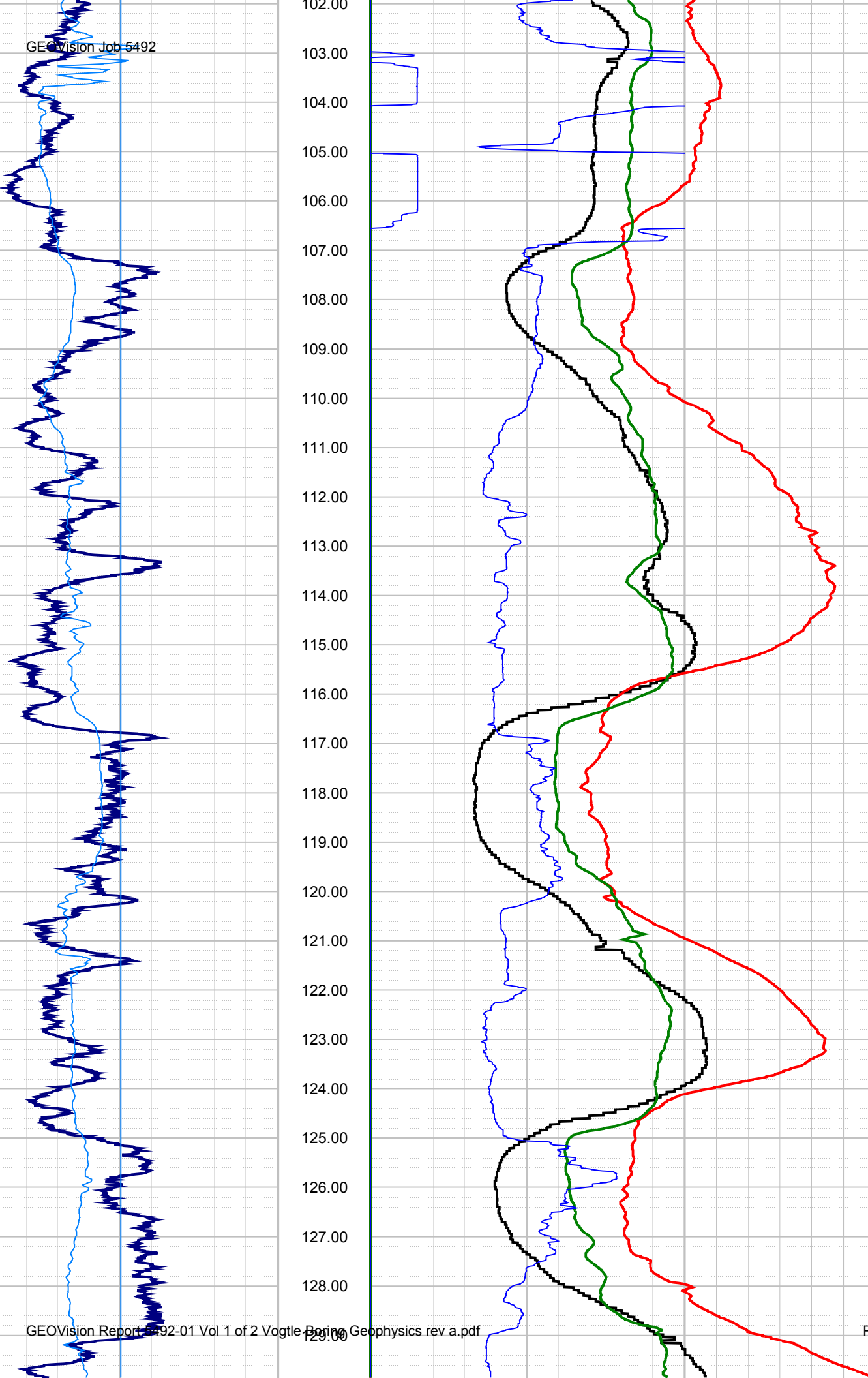


47.00  
48.00  
49.00  
50.00  
51.00  
52.00  
53.00  
54.00  
55.00  
56.00  
57.00  
58.00  
59.00  
60.00  
61.00  
62.00  
63.00  
64.00  
65.00  
66.00  
67.00  
68.00  
69.00  
70.00  
71.00  
72.00



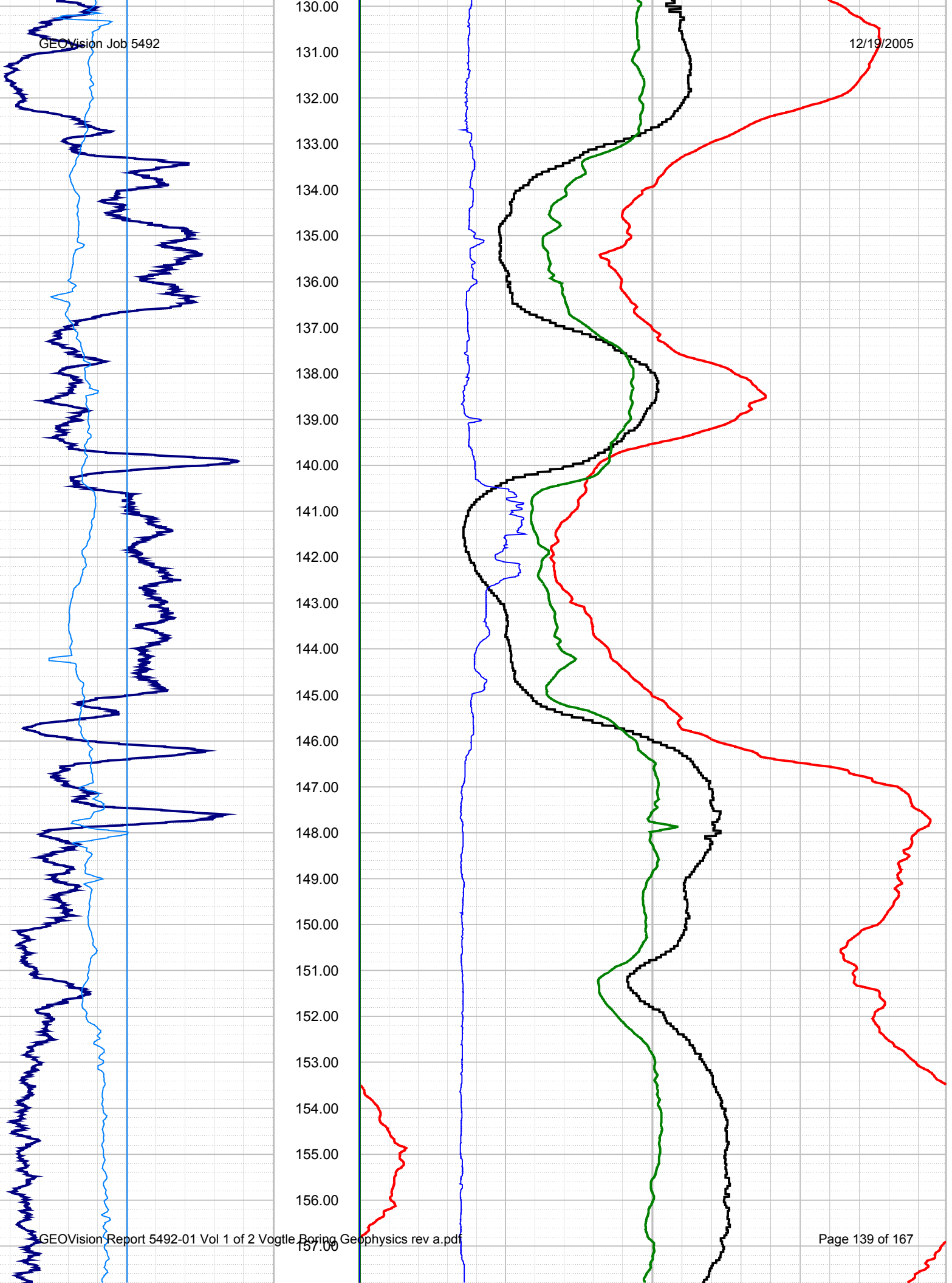


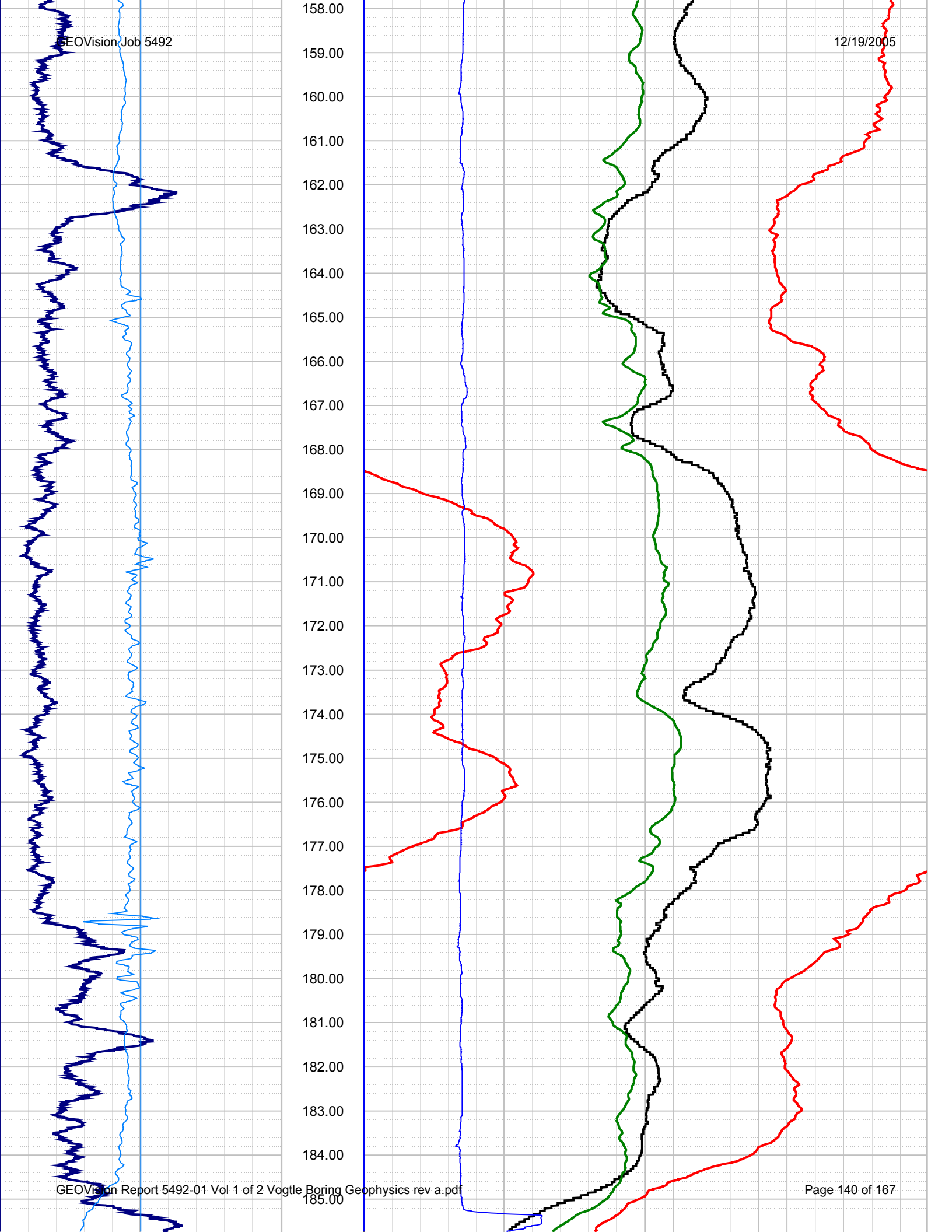
102.00  
103.00  
104.00  
105.00  
106.00  
107.00  
108.00  
109.00  
110.00  
111.00  
112.00  
113.00  
114.00  
115.00  
116.00  
117.00  
118.00  
119.00  
120.00  
121.00  
122.00  
123.00  
124.00  
125.00  
126.00  
127.00  
128.00

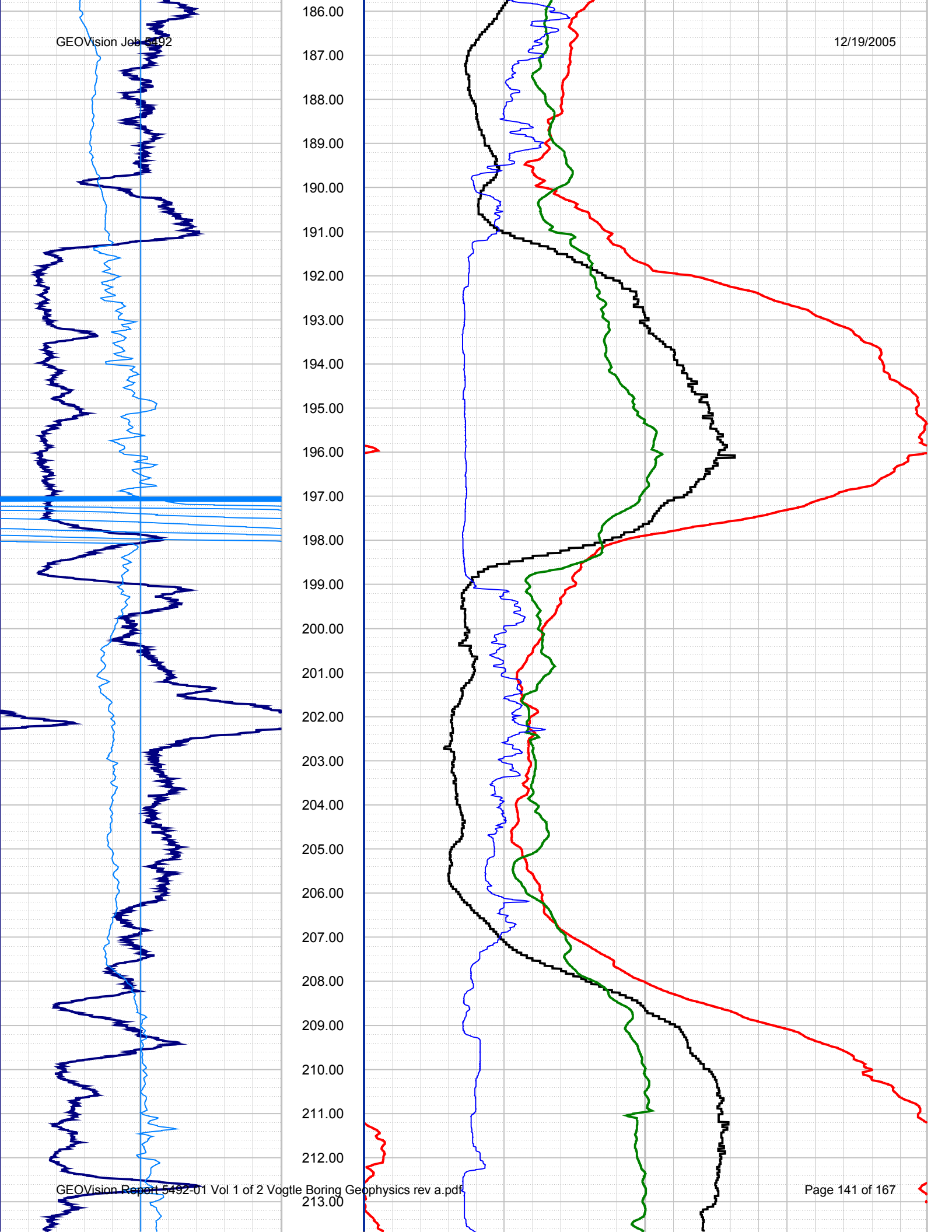


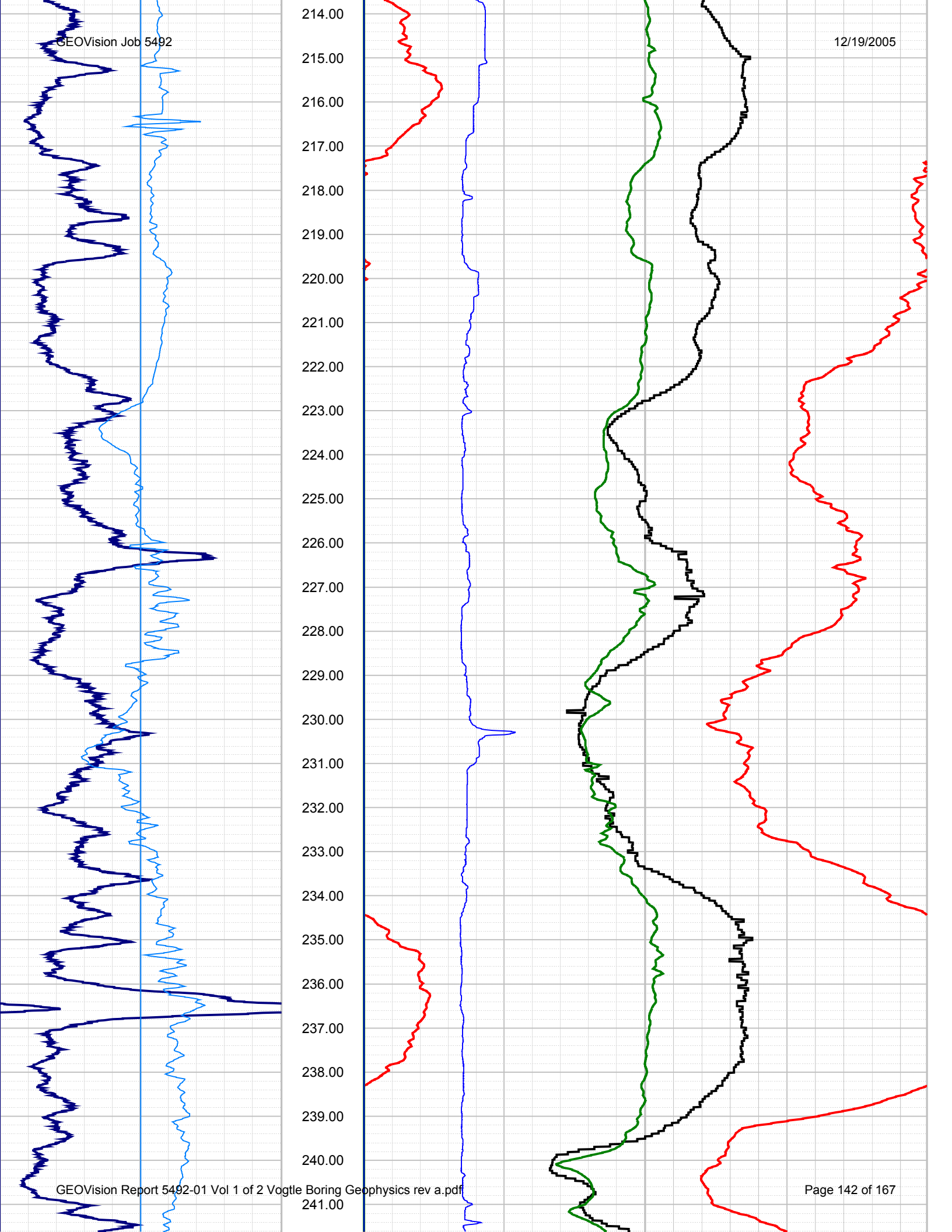


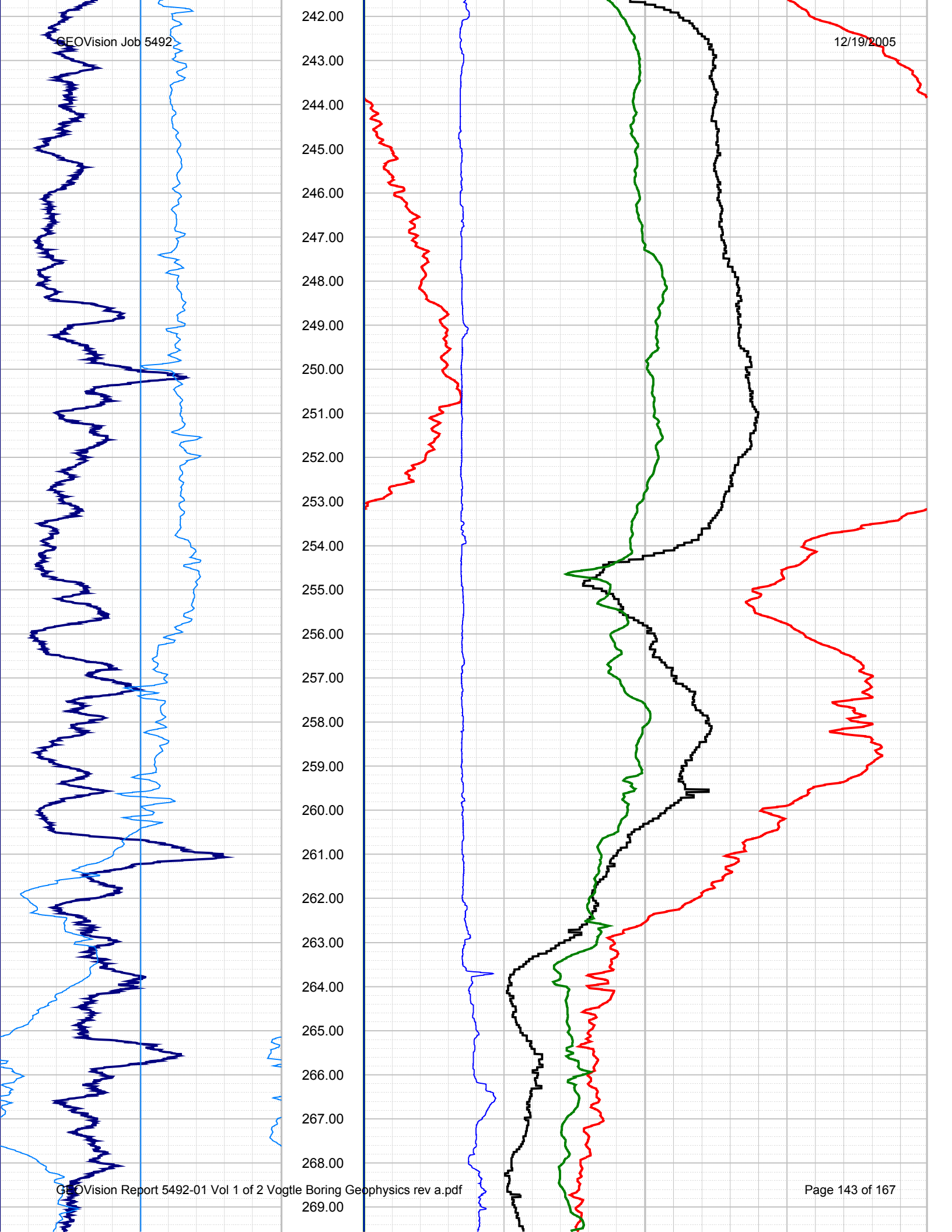
130.00  
131.00  
132.00  
133.00  
134.00  
135.00  
136.00  
137.00  
138.00  
139.00  
140.00  
141.00  
142.00  
143.00  
144.00  
145.00  
146.00  
147.00  
148.00  
149.00  
150.00  
151.00  
152.00  
153.00  
154.00  
155.00  
156.00  
157.00

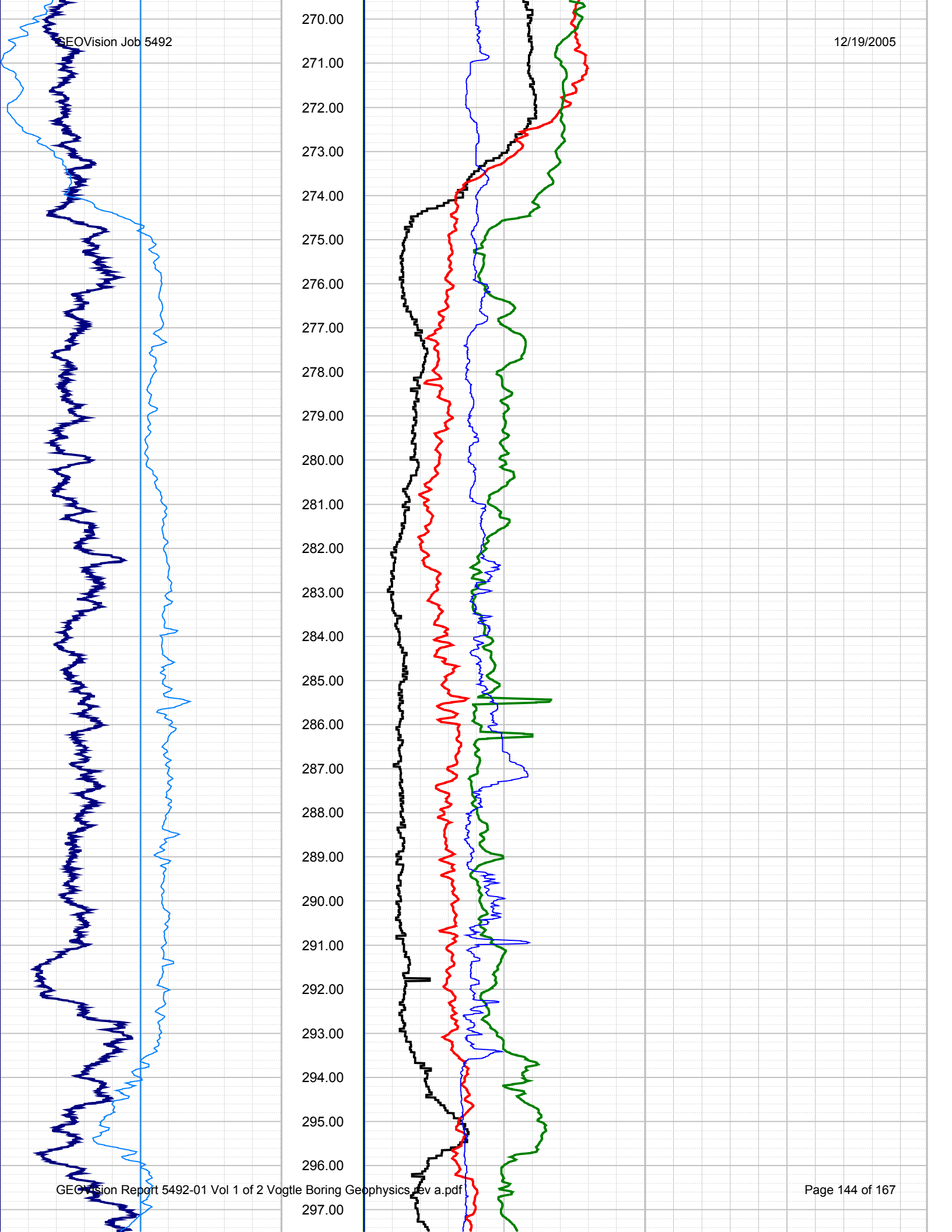


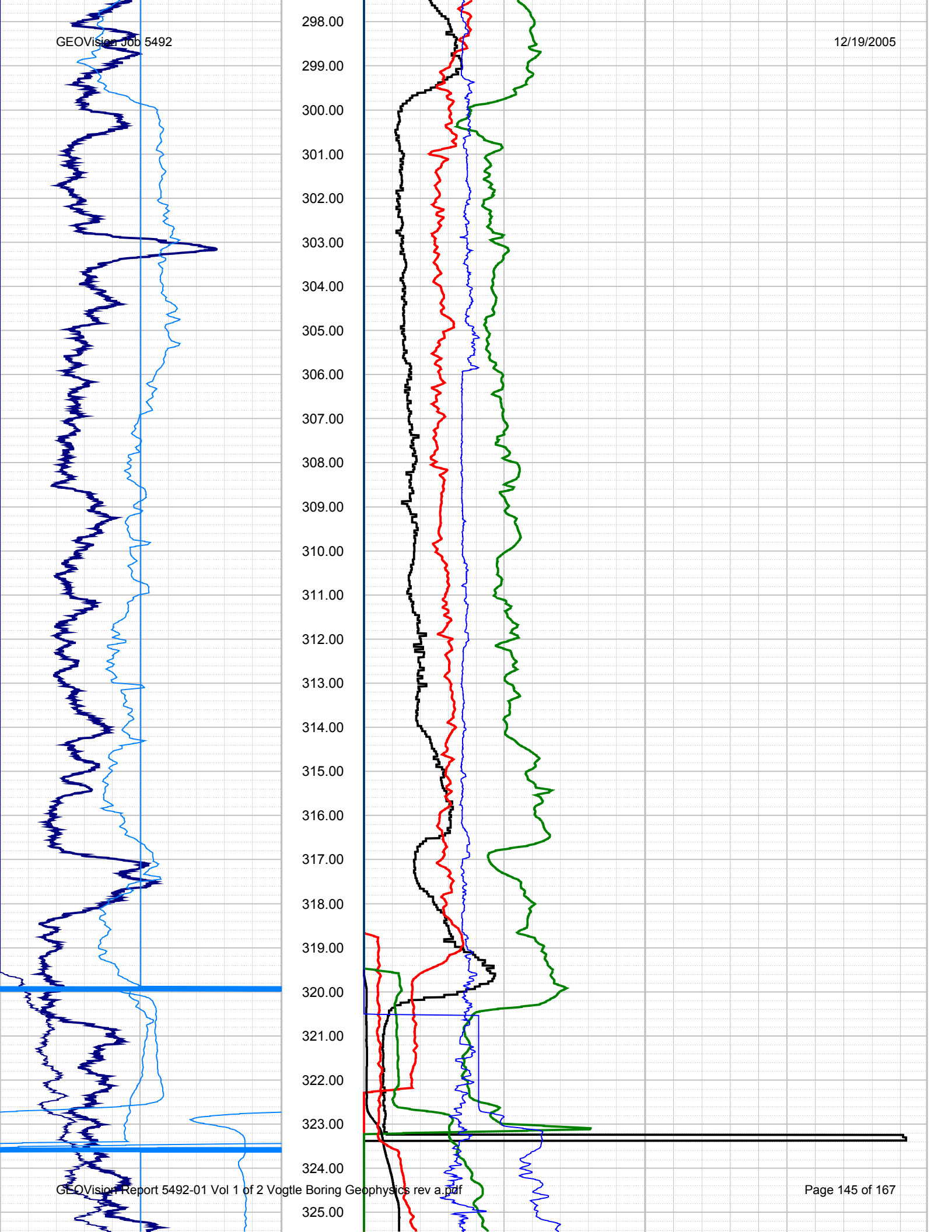


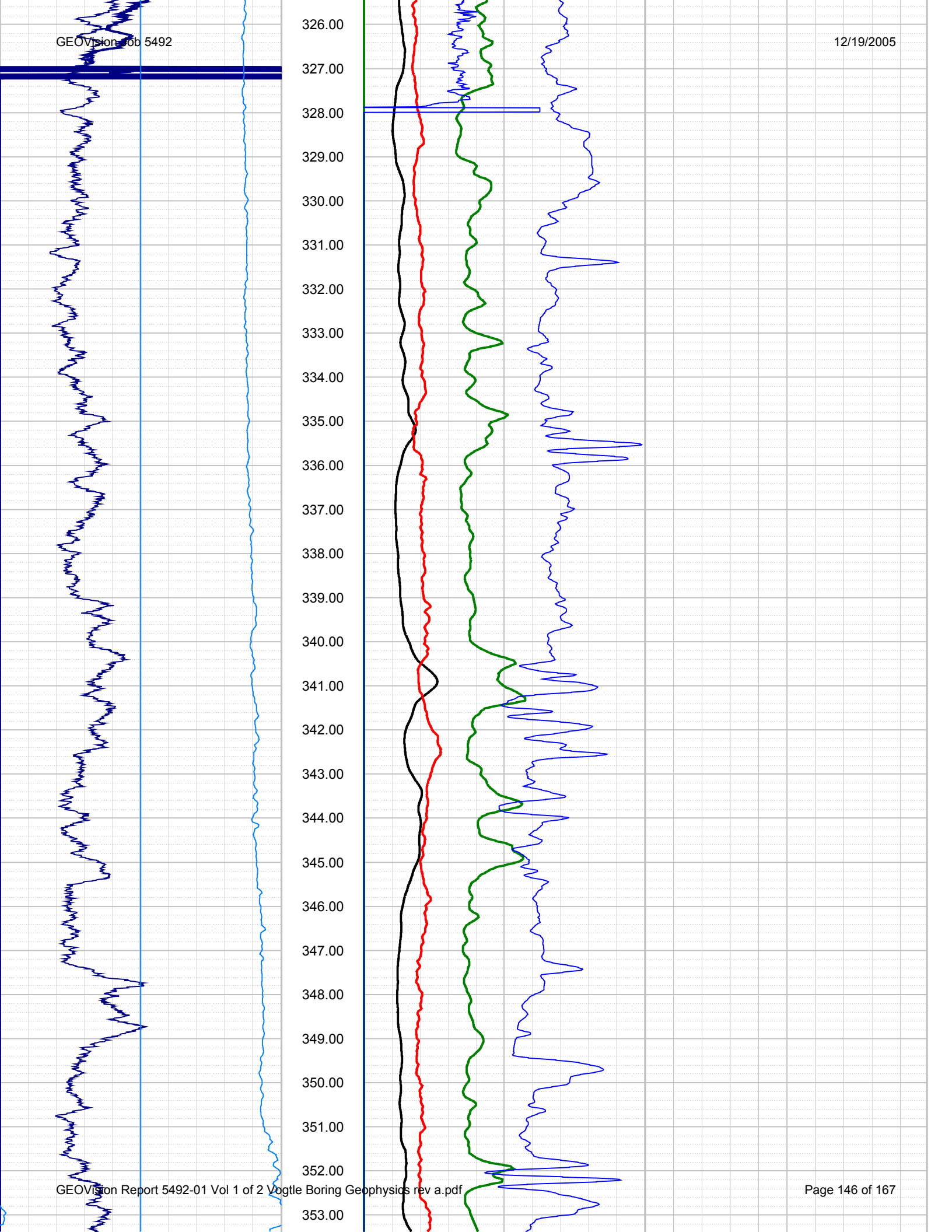




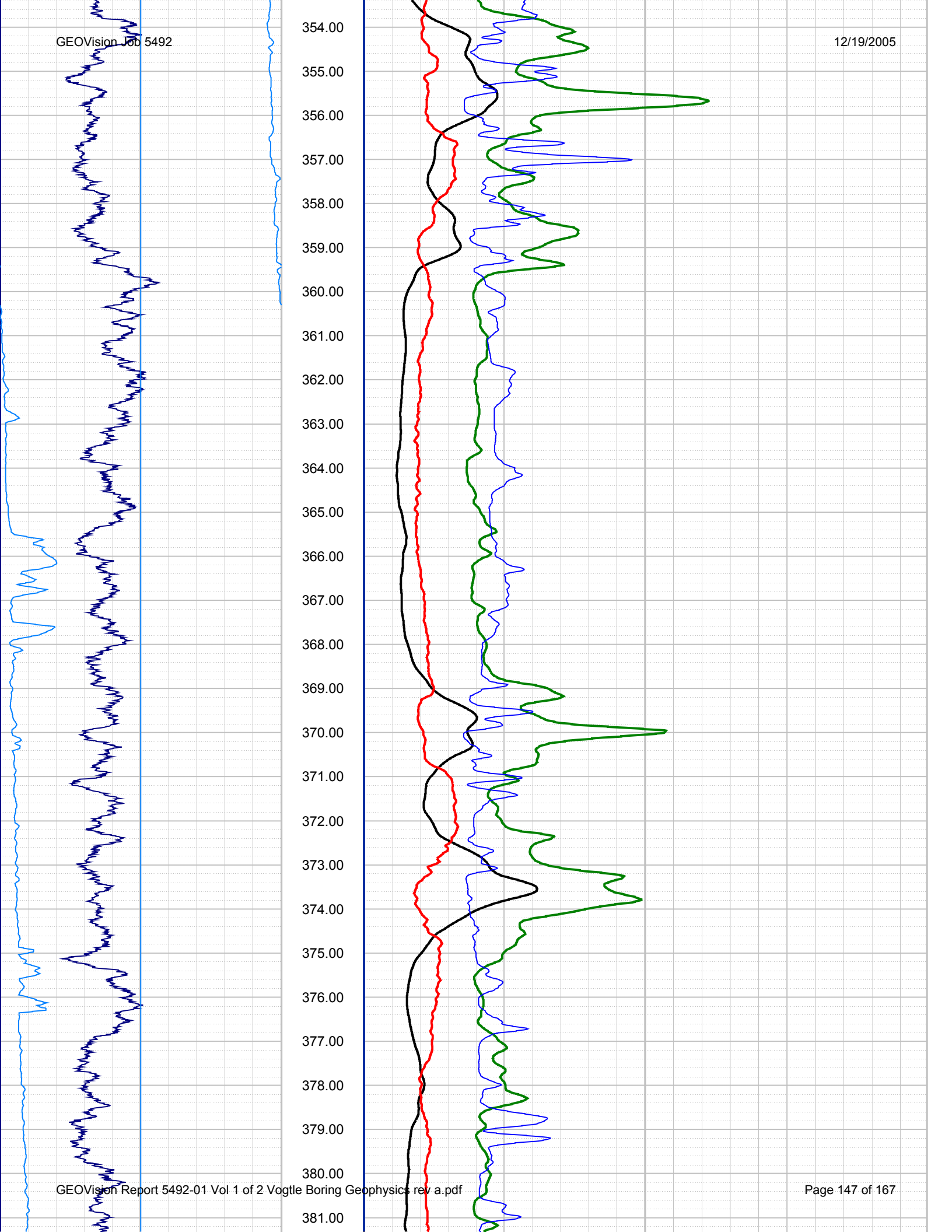


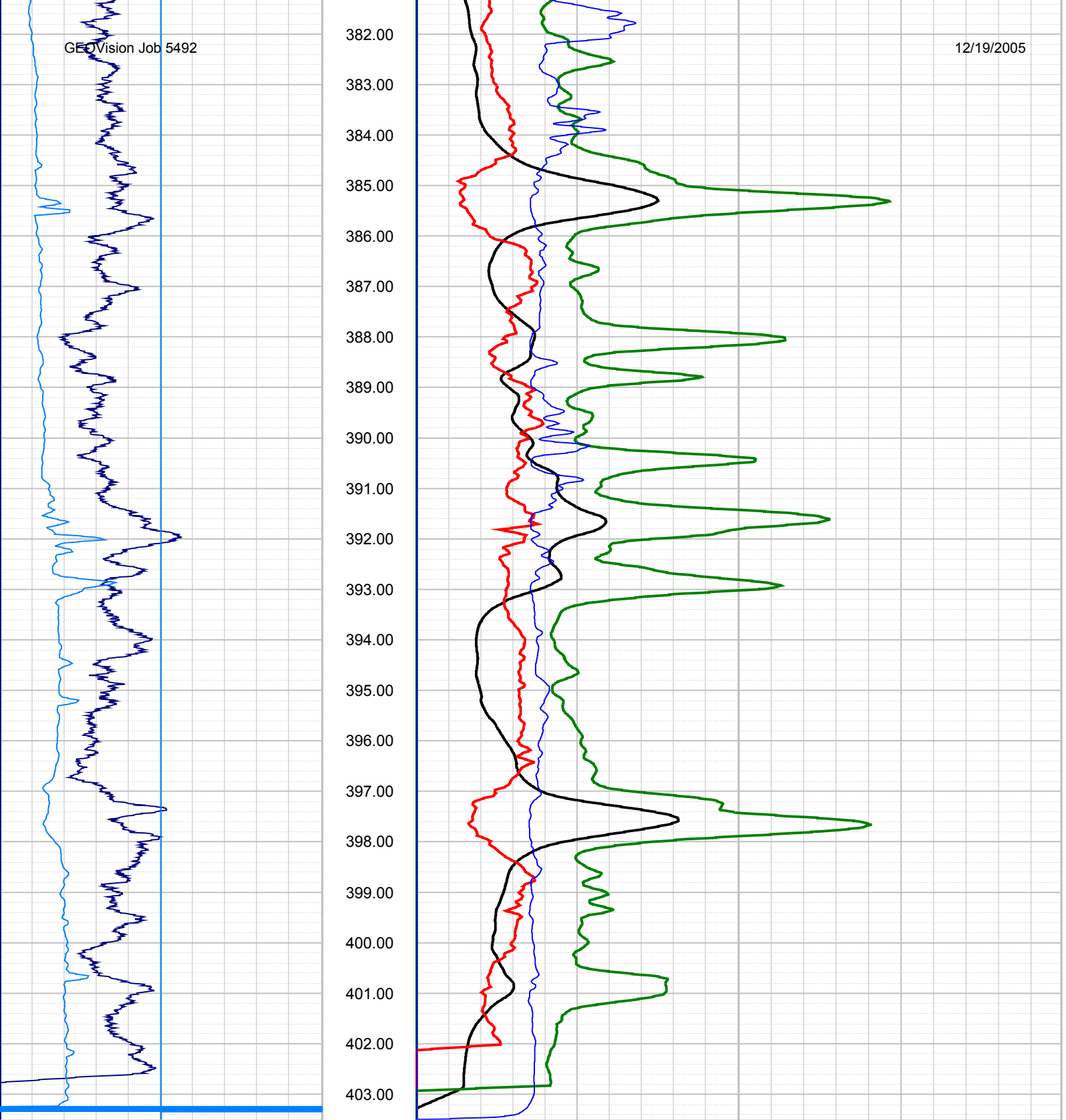












0.00	NGAM API Cs.	150.00
0.00	NOA2 API Cs.	150.00
-500.00	SP Millivolt	500.00
-500.00	SP2 Millivolt	500.00

1.00	SHN Ohm M.	1000.00
1.00	LON Ohm M.	1000.00
1.00	SPR Ohm	500.00
1.00	SHN2 Ohm M.	1000.00
1.00	LON2 Ohm M.	1000.00
1.00	SPR2 Ohm	500.00
2.00	CALP Inch	12.00
2.00	CAL2 Inch	12.00



Vogtle Nuclear Power Plant B-1004

REMARKS ( C:\Data\PSwork.ing\Vogtle\B1004\B1004 all log.hed )

COMPANY GEOVision  
 WELL B-1004  
 FIELD  
 COUNTRY  
 STATE GA  
 COUNTY  
 LAT.:  
 LONG.:

OTHER SERVICES

Perm. Da..	Elev	KB	0.00
Log. Datum		DF	0.00
Drill Datum		GL	0.00

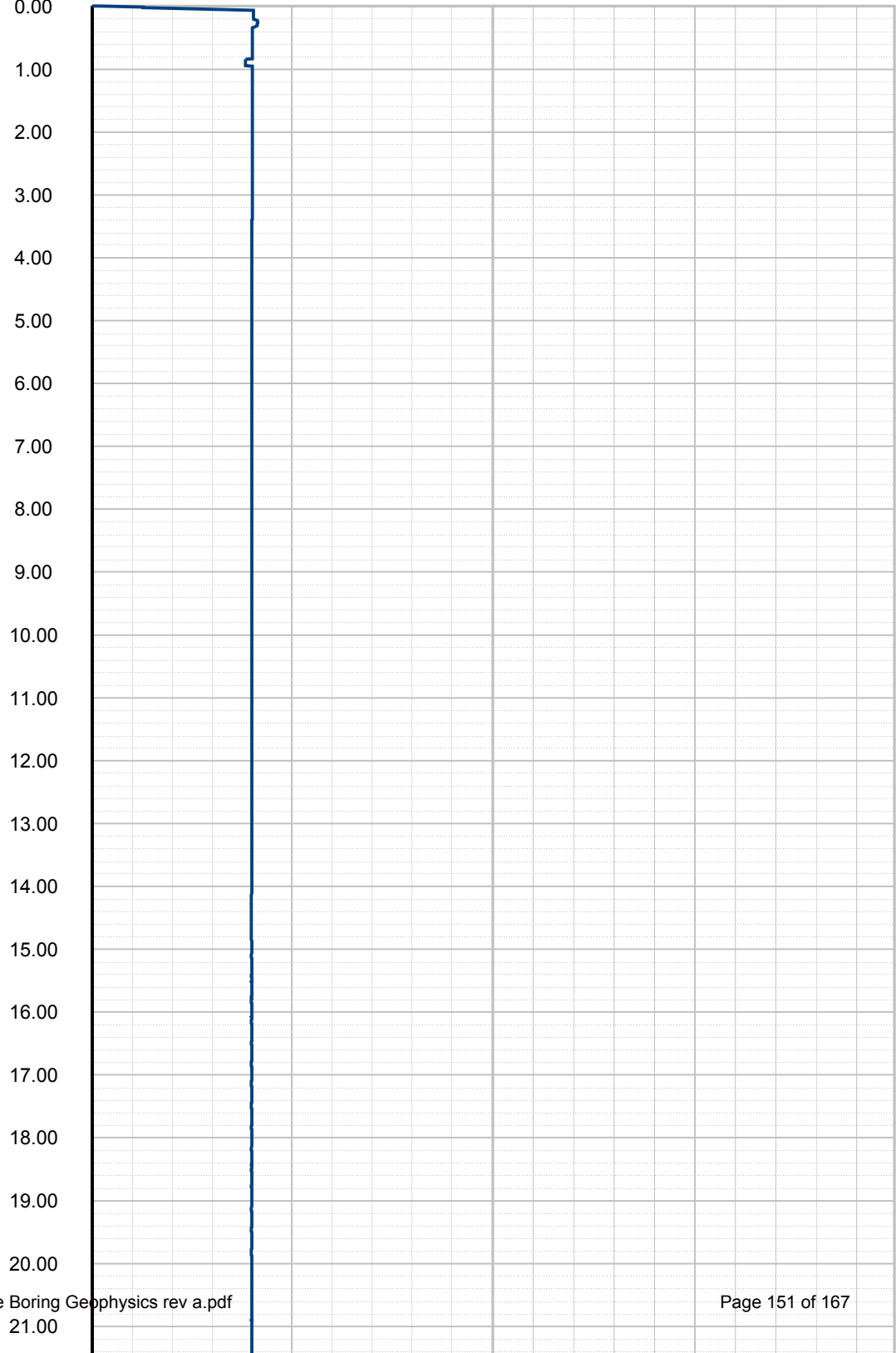
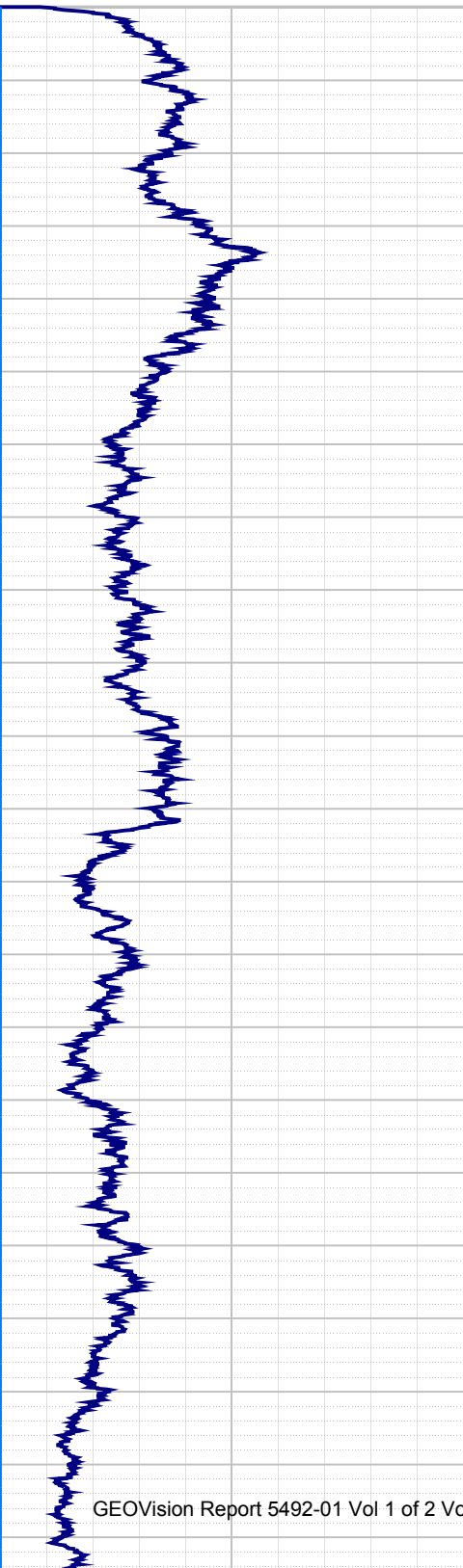
DATE	04 Oct 05	4 Oct 05	18 Dec 05
RUN#	1	2	0
TYPE OF LOG	Caliper / Nat. Ga..	ELOG	
DEPTH DRILLER	92.05	92.05	0.00
DEPTH LOGGER	92.50	92.50	0.00
LOG DEEPEST	92.50	92.50	0.00
LOG SHALLOW	0.00	36.00	0.00
FLUID IN HOLE	Bentonite drilling..	Bentonite drilling..	
SALINITY			
DENSITY			
LEVEL			
MAX TEMP °C	0.00	0.00	0.00
RIG TIME			
RECORDED BY	Rob Steller	Rob Steller	
WITNESSED BY	Matt Cooke	Matt Cooke	

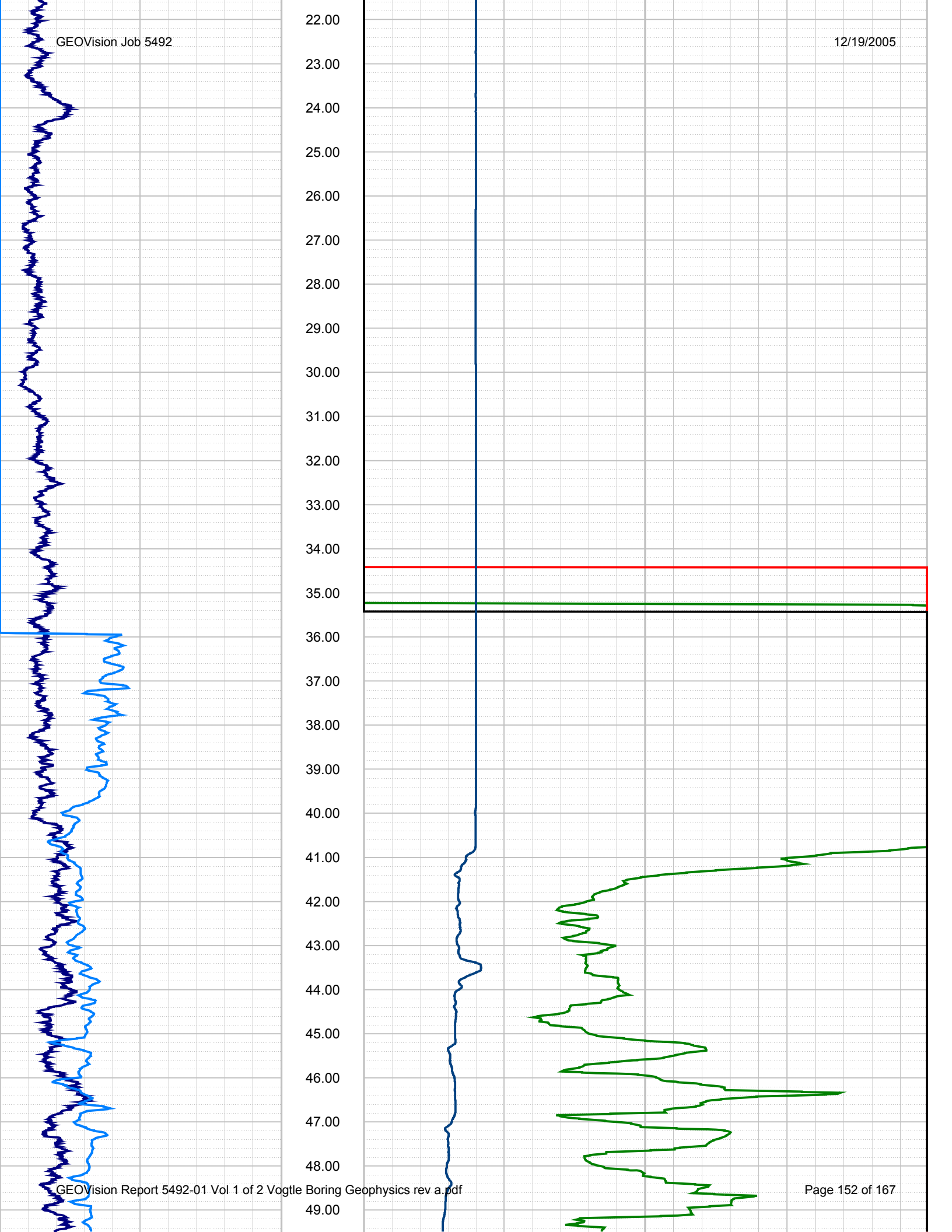
RUN#	BIT RECORD			CASING RECORD			
	SIZE	FROM	TO	SIZE	WEIGHT	FROM	TO
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

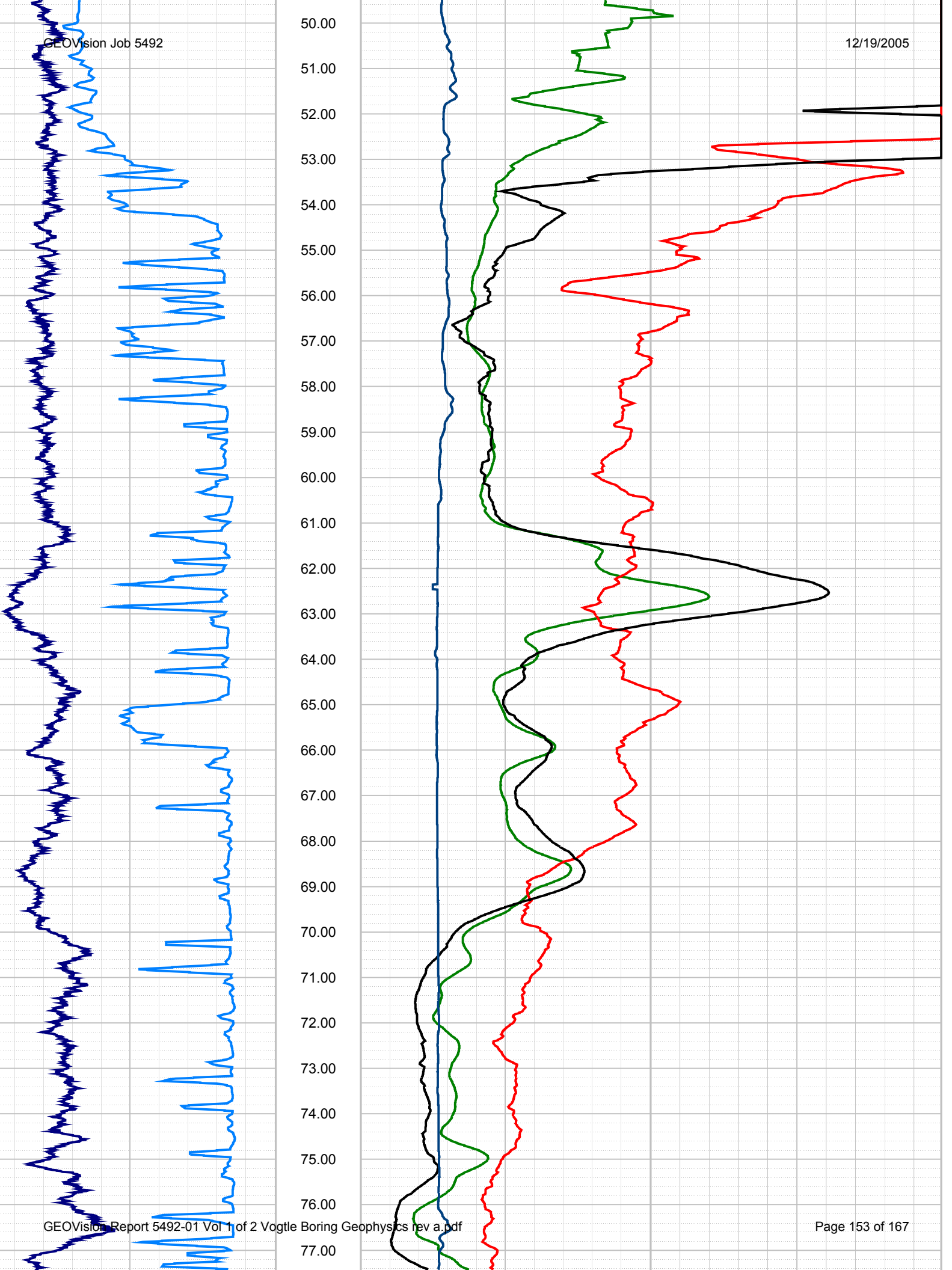
0.00 NGAM API Cs. 150.00  
10000.00 SP Millivolt 20000.00

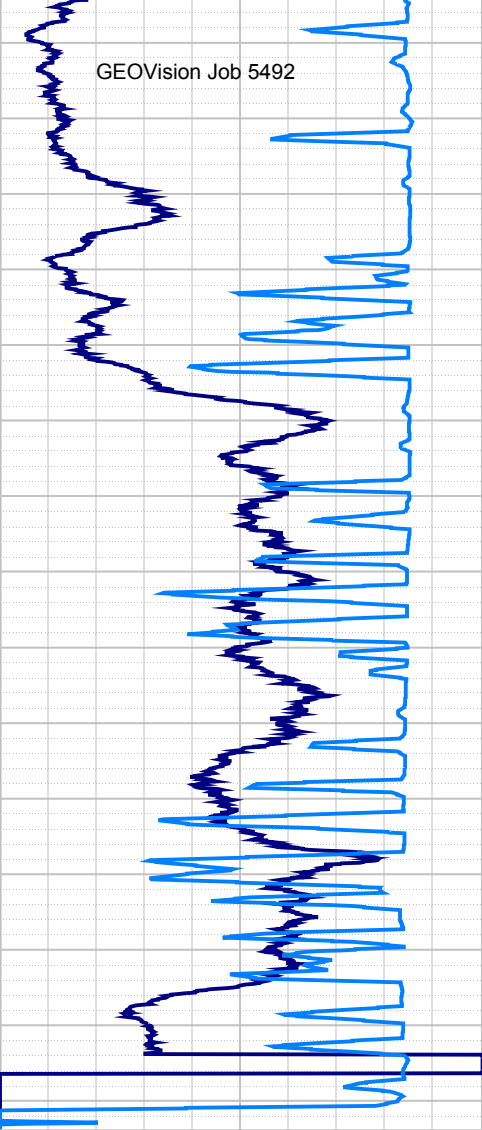
10.00 SPR Ohm 1000.00  
10.00 LON Ohm M. 1000.00  
10.00 SHN Ohm M. 1000.00

2.00 CALP Inch 12.00



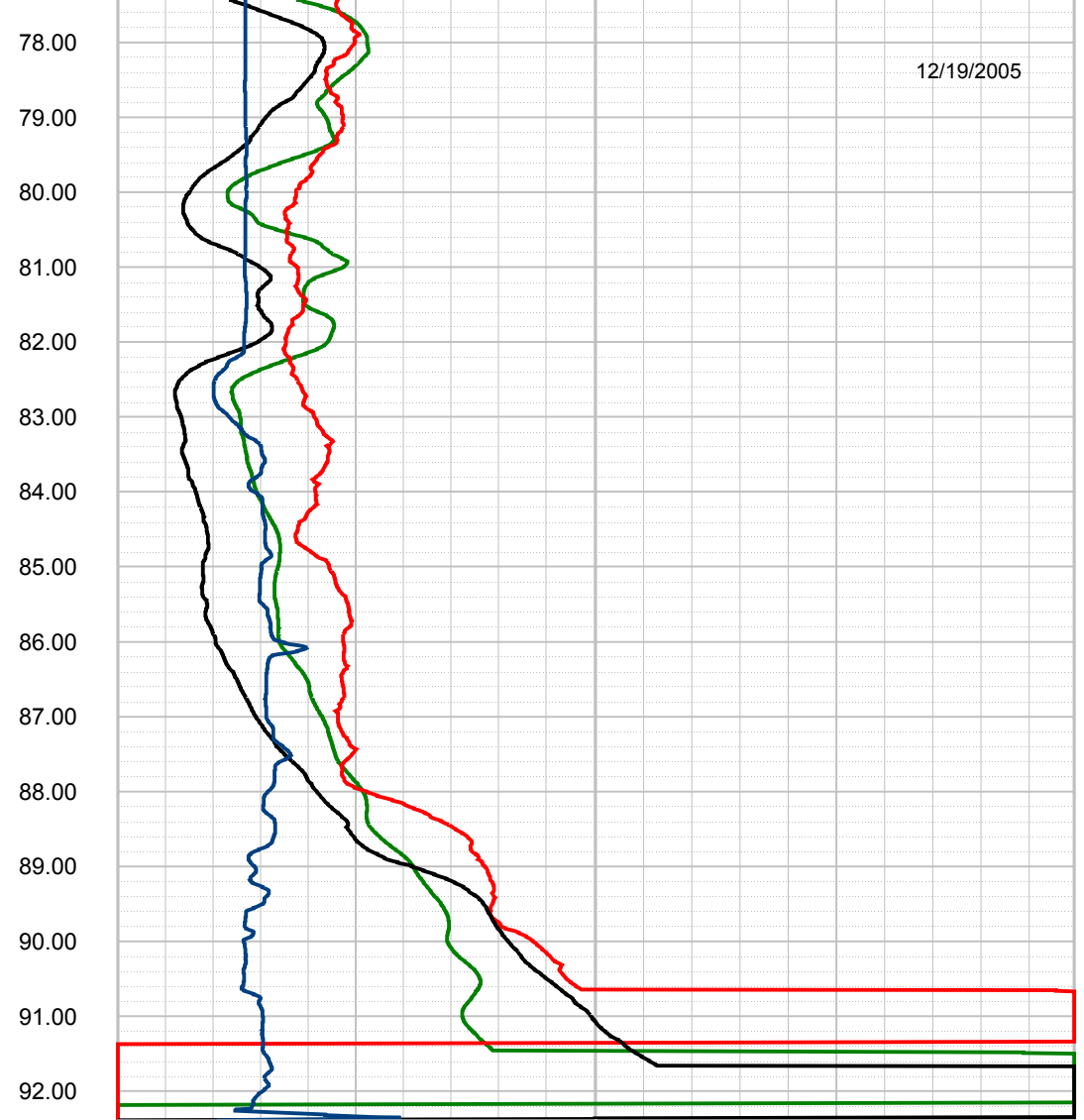






0.00 150.00

SP Millivolt 10000.00 20000.00



10.00 1000.00

10.00 1000.00

10.00 1000.00

2.00 12.00



**APPENDIX F**

**CALIPER, NATURAL GAMMA, RESISTIVITY, AND  
SPONTANEOUS POTENTIAL  
FIELD DATA SHEETS**



### BORING GEOPHYSICS FIELD LOG

SITE: VOGTLE B-1002 DATE: 9/22/05, 9/23/05  
 CLIENT: MACTEC JOB: 5492  
 AUTHOR: R. STELLER PAGE 1 OF 2

CONTACT: \_\_\_\_\_ OFFICE PHONE: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ OFFICE PHONE: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 DRILLER: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ PHONE: \_\_\_\_\_

DIRECTIONS TO SITE: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
 \_\_\_\_\_

EA#: \_\_\_\_\_  
 BOREHOLE DESIGNATION: B-1002 LOCATION: \_\_\_\_\_

COUNTY: \_\_\_\_\_ RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_

BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASD

DIAMETERS AND DEPTH RANGES: 5" 0 TO 133.5'; 4", 33.5' TO 260'

BOREHOLE TOTAL DEPTH AS DRILLED: 260'

CONDUCTOR CASING?: YES  DEPTH TO BOTTOM OF CASING 88.5' <sup>RUN 1</sup>; NO RUN 2

DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: 80'

BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD ; SALT WATER MUD \_\_\_\_\_;

OTHER: \_\_\_\_\_

DEPTH TO BOREHOLE FLUID: \_\_\_\_\_ TIME SINCE LAST CIRCULATION: 1/2 HR



SITE: VOGTLE B-1002 DATE: 9/22/05, 9/23/05  
 CLIENT: MACTEC JOB: 5492  
 AUTHOR: R. STELLER PAGE 2 OF 2

LOGGING CREW: P. STELLER  
 VEHICLE(S) USED AND MILEAGE: RED \_\_\_\_\_; BLUE \_\_\_\_\_; WHITE RENTAL  
 MOBILIZED FROM: \_\_\_\_\_ DEPARTURE TIME: \_\_\_\_\_  
 ARRIVED ON SITE: 10:00  
 STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_  
 LOGGING STARTED: \_\_\_\_\_ LOGGING COMPLETED: \_\_\_\_\_  
 STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_  
 LOGGING STARTED: \_\_\_\_\_ LOGGING COMPLETED: \_\_\_\_\_  
 DEMOBILIZED TO: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_  
 ADDITIONAL DEMOB TIME: \_\_\_\_\_ REASON: \_\_\_\_\_

WINCH \_\_\_\_\_ COMPROBE \_\_\_\_\_ SILVER  OYO \_\_\_\_\_

RUN	S/N	FILE NAME	TOOL LEN	STICKUP	DEPTH REF.
CAL 1	2915	B1002 CAL RUN 1	2.00 m	∅	2.00 ↓ 2.10 ↑
ELOG 1	3040	B1002 ELOG RUN 1	2.50 m	∅	2.50 ↓ 2.50 A
ELOG 2	3040	B1002 ELOG RUN 2	2.50 m	∅	2.50 ↓ 2.50 A

MAINTENANCE PERFORMED ON SITE: NONE

EQUIPMENT PROBLEMS OR FAILURES: NONE

SUGGESTIONS, ADDITIONS, CHANGES: NONE

COMMENTS: \_\_\_\_\_



### BORING GEOPHYSICS FIELD LOG

SITE: VOGTLE B-1003 DATE: 10/3/05  
 CLIENT: MACTEC JOB: 5492  
 AUTHOR: R. STELLER PAGE 1 OF 2

CONTACT: \_\_\_\_\_ OFFICE PHONE: \_\_\_\_\_  
 \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ OFFICE PHONE: \_\_\_\_\_  
 \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 \_\_\_\_\_ PHONE: \_\_\_\_\_  
 DRILLER: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ PHONE: \_\_\_\_\_

DIRECTIONS TO SITE: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
 \_\_\_\_\_

EA#: \_\_\_\_\_  
 BOREHOLE DESIGNATION: B-1003 LOCATION: \_\_\_\_\_

COUNTY: \_\_\_\_\_ RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
 BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASD   
 DIAMETERS AND DEPTH RANGES: 5" 0 TO 1074'; \_\_\_\_\_ TO \_\_\_\_\_  
 BOREHOLE TOTAL DEPTH AS DRILLED: 1074'  
 CONDUCTOR CASING?: YES  DEPTH TO BOTTOM OF CASING 88'; NO 6" PVC SEE AD  
 DEPTH TO BEDROCK: 1049' DEPTH TO WATER TABLE: \_\_\_\_\_  
 BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD ; SALT WATER MUD \_\_\_\_\_;  
 OTHER: \_\_\_\_\_  
 DEPTH TO BOREHOLE FLUID: \_\_\_\_\_ TIME SINCE LAST CIRCULATION: 3 HR.



SITE: VOGTLE B-1003 DATE: 10/3 /05  
 CLIENT: MACTEC JOB: 5492  
 AUTHOR: R. STELLER PAGE 2 OF 2

LOGGING CREW: R. STELLER  
 VEHICLE(S) USED AND MILEAGE: RED \_\_\_\_\_; BLUE \_\_\_\_\_; WHITE RENTAL  
 MOBILIZED FROM: \_\_\_\_\_ DEPARTURE TIME: \_\_\_\_\_  
 ARRIVED ON SITE: 08:00  
 STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_  
 LOGGING STARTED: \_\_\_\_\_ LOGGING COMPLETED: \_\_\_\_\_  
 STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_  
 LOGGING STARTED: \_\_\_\_\_ LOGGING COMPLETED: \_\_\_\_\_  
 DEMOBILIZED TO: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_  
 ADDITIONAL DEMOB TIME: \_\_\_\_\_ REASON: \_\_\_\_\_

WINCH \_\_\_\_\_ COMPROBE \_\_\_\_\_ SILVER  OYO \_\_\_\_\_

RUN	S/N	FILE NAME	TOOL LEN	STICKUP	DEPTH REF.
CAL 1	2915	B1003 CAL RUN 1	2.08 m	Ø	2.08 ↓ 2.01 ↑
ELOG 1	3040	B1003 ELOG RUN 1 - DATA LOST	2.50 m	Ø	2.50 ↓ 2.46 ↑
DEV 1	5174	B1003 HIRAT RUN 1	—	Ø	Ø ↓ 0.09 ↑

MAINTENANCE PERFORMED ON SITE: HIRAT CHECKED: HORIZONTAL = 89°, BRUNTON 89°  
VERT HANGING = 0.1°  
HIRAT COMPASS S = 179° TO BRUNTON 180° (MAGNETIC)  
" " N = 4.7° TO BRUNTON 0° (MAGNETIC)  
 EQUIPMENT PROBLEMS OR FAILURES: B1003 ELOG RUN 1 FILE OVER-WRITTEN  
& LOGS.

SUGGESTIONS, ADDITIONS, CHANGES: \_\_\_\_\_

COMMENTS: \_\_\_\_\_



### BORING GEOPHYSICS FIELD LOG

SITE: VOGTLE B-1003 DATE: 10 / 3 /05  
 CLIENT: MACTEC JOB: 5492  
 AUTHOR: R. STELLER PAGE 1 OF 2

CONTACT: \_\_\_\_\_ OFFICE PHONE: \_\_\_\_\_  
 \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ OFFICE PHONE: \_\_\_\_\_  
 \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 \_\_\_\_\_ PHONE: \_\_\_\_\_  
 DRILLER: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ PHONE: \_\_\_\_\_

DIRECTIONS TO SITE: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
 \_\_\_\_\_

EA#: \_\_\_\_\_  
 BOREHOLE DESIGNATION: B-1003 LOCATION: \_\_\_\_\_

COUNTY: \_\_\_\_\_ RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
 BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASD   
 DIAMETERS AND DEPTH RANGES: 10" 0 TO 1065'; \_\_\_\_\_ TO \_\_\_\_\_  
 BOREHOLE TOTAL DEPTH AS DRILLED: 1065'  
 CONDUCTOR CASING?: YES  DEPTH TO BOTTOM OF CASING 88'; NO \_\_\_\_\_  
 DEPTH TO BEDROC: 1049' DEPTH TO WATER TABLE: \_\_\_\_\_  
 BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD ; SALT WATER MUD \_\_\_\_\_;  
 OTHER: \_\_\_\_\_  
 DEPTH TO BOREHOLE FLUID: \_\_\_\_\_ TIME SINCE LAST CIRCULATION: 3 HR.



SITE: VOGTLE B-1003 DATE: 10 / 3 /05  
 CLIENT: MACTEC JOB: 5492  
 AUTHOR: R. STELLER PAGE 2 OF 2

LOGGING CREW: R. STELLER  
 VEHICLE(S) USED AND MILEAGE: RED \_\_\_\_\_; BLUE \_\_\_\_\_; WHITE RENTAL  
 MOBILIZED FROM: \_\_\_\_\_ DEPARTURE TIME: \_\_\_\_\_  
 ARRIVED ON SITE: \_\_\_\_\_  
 STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_  
 LOGGING STARTED: \_\_\_\_\_ LOGGING COMPLETED: \_\_\_\_\_  
 STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_  
 LOGGING STARTED: \_\_\_\_\_ LOGGING COMPLETED: \_\_\_\_\_  
 DEMOBILIZED TO: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_  
 ADDITIONAL DEMOB TIME: \_\_\_\_\_ REASON: \_\_\_\_\_

WINCH \_\_\_\_\_ COMPROBE \_\_\_\_\_ SILVER  OYO \_\_\_\_\_

RUN	S/N	FILE NAME	TOOL LEN	STICKUP	DEPTH REF.
<u>ELDG 2</u>	<u>3040</u>	<u>B1003 ELDS Run 2</u>	<u>2.50m</u>	<u>Ø</u>	<u>250 &amp; 2.44↑</u>

MAINTENANCE PERFORMED ON SITE: NONE

EQUIPMENT PROBLEMS OR FAILURES: NONE

SUGGESTIONS, ADDITIONS, CHANGES: NONE

COMMENTS: \_\_\_\_\_



### BORING GEOPHYSICS FIELD LOG

SITE: VOGTLE B-1003 DEEP DATE: 11 / 10 / 05  
 CLIENT: MACTEC JOB: 5492  
 AUTHOR: R. STELLER PAGE 1 OF 34

CONTACT: \_\_\_\_\_ OFFICE PHONE: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ OFFICE PHONE: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 DRILLER: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ PHONE: \_\_\_\_\_

DIRECTIONS TO SITE: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
 \_\_\_\_\_

EA#: \_\_\_\_\_  
 BOREHOLE DESIGNATION: B-1003 LOCATION: \_\_\_\_\_

COUNTY: \_\_\_\_\_ RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
 BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASD   
 DIAMETERS AND DEPTH RANGES: 6" 0 TO 1054 ; 5" 1054' TO 1338'  
 BOREHOLE TOTAL DEPTH AS DRILLED: 1338'  
 CONDUCTOR CASING?: YES  DEPTH TO BOTTOM OF CASING 1054'; NO 6" STEEL  
 DEPTH TO BEDROCK: 1049' DEPTH TO WATER TABLE: \_\_\_\_\_  
 BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD ; SALT WATER MUD \_\_\_\_\_;  
 OTHER: \_\_\_\_\_  
 DEPTH TO BOREHOLE FLUID: \_\_\_\_\_ TIME SINCE LAST CIRCULATION: 3 HR





SITE: VOGTLE B-1003 DEEP DATE: 11 / 10 /05  
 CLIENT: MACTEC JOB: 5492  
 AUTHOR: R. STELLER PAGE 2 OF 4

LOGGING CREW: R. STELLER  
 VEHICLE(S) USED AND MILEAGE: RED \_\_\_\_\_; BLUE \_\_\_\_\_; WHITE RENTAL  
 MOBILIZED FROM: \_\_\_\_\_ DEPARTURE TIME: \_\_\_\_\_  
 ARRIVED ON SITE: \_\_\_\_\_  
 STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_  
 LOGGING STARTED: \_\_\_\_\_ LOGGING COMPLETED: \_\_\_\_\_  
 STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_  
 LOGGING STARTED: \_\_\_\_\_ LOGGING COMPLETED: \_\_\_\_\_  
 DEMOBILIZED TO: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_  
 ADDITIONAL DEMOB TIME: \_\_\_\_\_ REASON: \_\_\_\_\_

WINCH \_\_\_\_\_ COMPROBE \_\_\_\_\_ SILVER  OYO \_\_\_\_\_

RUN	S/N	FILE NAME	TOOL LEN	STICKUP	DEPTH REF.
<u>CAL 2</u>	<u>2A15</u>	<u>B1003 CAL RUN 2</u>	<u>SEE</u>	<u>DRAWING</u>	<u>PG 3</u>
<u>ELOG 3</u>	<u>3040</u>	<u>B1003 ELOG RUN 3</u>	<u>SEE</u>	<u>DRAWING</u>	<u>PG 4</u>

MAINTENANCE PERFORMED ON SITE: NONE

EQUIPMENT PROBLEMS OR FAILURES: NONE

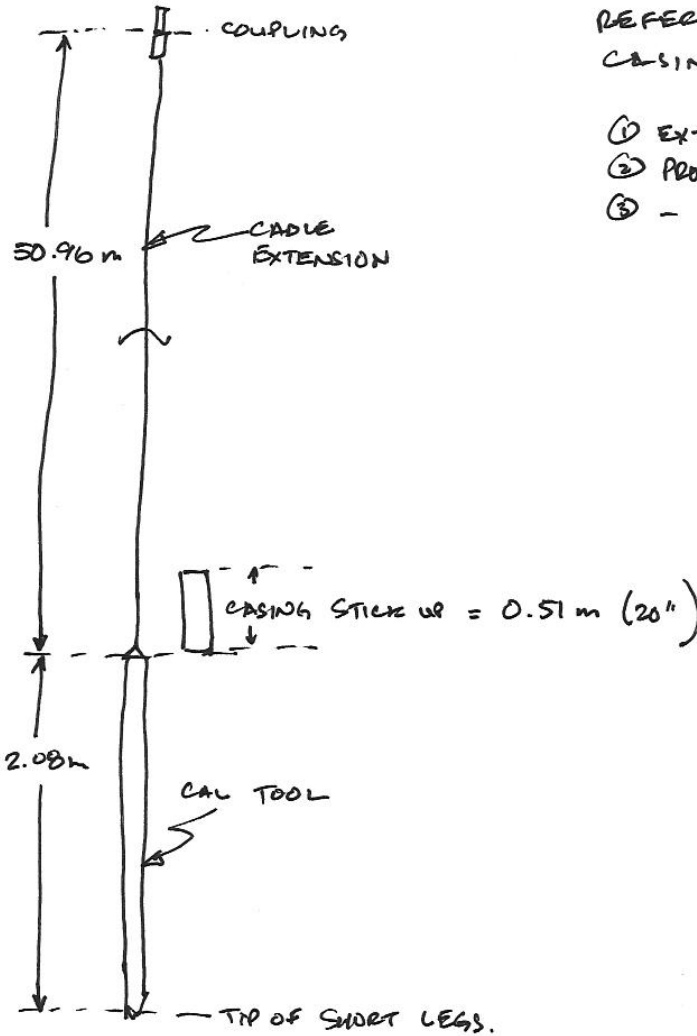
SUGGESTIONS, ADDITIONS, CHANGES: NONE.

COMMENTS: BORINGS OBSTRUCTED @ 1324'

# BORING GEOPHYSICS FIELD LOG

SITE: VOGTLE B-1003 DEEP DATE: 11/10/05  
 CLIENT: MACTEC JOB: 5492  
 AUTHOR: R. STELLER PAGE 3 OF 4

CALIPER RUN 2 DEPTH REF.



REFERENCE COUPLING AT TOP OF CASING : OFFSET =

- ① EXTENSION LENGTH 50.96 m
- ② PROBE LENGTH 2.08 m
- ③ - CASING STICK-UP -0.51 m

52.53 m ↓  
 OR 172.34 ft ↓  

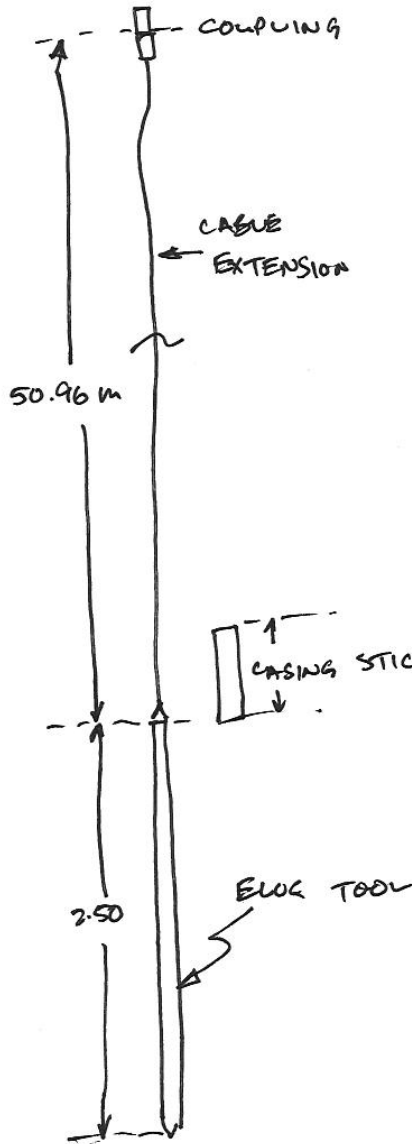

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 52.43 ↑  
 OR 172.01 ↑

# BORING GEOPHYSICS FIELD LOG

SITE: VOGTLE B-1003 DEEP DATE: 11 / 10 / 05  
 CLIENT: MACTEC JOB: 5492  
 AUTHOR: R. STELLER PAGE 4 OF 4

**FLUG RUN 3 DEPTH REF.**



REFERENCE COUPLING AT TOP OF CASING : OFFSET =

- ① EXTENSION LENGTH 50.96 m
  - ② PROBE LENGTH 2.50 m
  - ③ - CASING STICKUP - 0.51 m
- 
- 52.95 m ↓  
 OR 173.72 ft ↓
- 
- 52.80 m ↑  
 173.23 ft ↑



### BORING GEOPHYSICS FIELD LOG

SITE: VOGTLE B-1004 DATE: 10/4 /05  
 CLIENT: MACTEC JOB: 5492  
 AUTHOR: R. STELLER PAGE 1 OF 2

CONTACT: \_\_\_\_\_ \_OFFICE\_ PHONE: \_\_\_\_\_  
 \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ \_OFFICE\_ PHONE: \_\_\_\_\_  
 \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 \_\_\_\_\_ PHONE: \_\_\_\_\_  
 DRILLER: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ PHONE: \_\_\_\_\_

DIRECTIONS TO SITE: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
 \_\_\_\_\_

EA#: \_\_\_\_\_  
 BOREHOLE DESIGNATION: B-1004 LOCATION: \_\_\_\_\_

COUNTY: \_\_\_\_\_ RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
 BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASD   
 DIAMETERS AND DEPTH RANGES: 4" 0 TO 302'; \_\_\_\_\_ TO \_\_\_\_\_  
 BOREHOLE TOTAL DEPTH AS DRILLED: 302'  
 CONDUCTOR CASING?: YES  DEPTH TO BOTTOM OF CASING 135'; NO \_\_\_\_\_  
 DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: \_\_\_\_\_  
 BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD \_\_\_\_\_; SALT WATER MUD \_\_\_\_\_;  
 OTHER: \_\_\_\_\_  
 DEPTH TO BOREHOLE FLUID: \_\_\_\_\_ TIME SINCE LAST CIRCULATION: 1/2 HR



SITE: VOGTLE B-1004 DATE: 10/4/05  
 CLIENT: MACTEC JOB: 5492  
 AUTHOR: R. STELLER PAGE 2 OF 2

LOGGING CREW: R. STELLER  
 VEHICLE(S) USED AND MILEAGE: RED \_\_\_\_\_; BLUE \_\_\_\_\_; WHITE RENTAL  
 MOBILIZED FROM: \_\_\_\_\_ DEPARTURE TIME: \_\_\_\_\_  
 ARRIVED ON SITE: \_\_\_\_\_  
 STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_  
 LOGGING STARTED: \_\_\_\_\_ LOGGING COMPLETED: \_\_\_\_\_  
 STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_  
 LOGGING STARTED: \_\_\_\_\_ LOGGING COMPLETED: \_\_\_\_\_  
 DEMOBILIZED TO: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_  
 ADDITIONAL DEMOB TIME: \_\_\_\_\_ REASON: \_\_\_\_\_

WINCH \_\_\_\_\_ COMPROBE \_\_\_\_\_ SILVER  OYO \_\_\_\_\_

RUN	S/N	FILE NAME	TOOL LEN	STICKUP	DEPTH REF.
CAL 1		B1004 CAL RUN 1	2.08 m	Ø	2.08↓ 2.07↑
ELOG 1	3040	B1004 ELOG RUN 1	2.50 m	Ø	2.50↓ 2.50↑
ELOG 2	3040	B1004 ELOG RUN 2	2.50 m	Ø	2.50↓ 2.50↑
ELOG 3	3040	B1004 ELOG RUN 3	2.50 m	Ø	2.50↓ 2.50↑
ELOG 4	3040	B1004 ELOG RUN 4	2.50 m	Ø	2.50↓ 2.50↑

MAINTENANCE PERFORMED ON SITE: NONE

EQUIPMENT PROBLEMS OR FAILURES: ALL ELOG RUNS SHOW ANOMALOUS RESULTS ON SP, QUESTIONABLE RESISTIVITY - SEVERAL GROUND CABLES OBSERVED RUNNING FROM NEAR POWER POLES -

SUGGESTIONS, ADDITIONS, CHANGES: \_\_\_\_\_

COMMENTS: CAL HIT BOTTOM @ 92.7m  
ELOG " " @ 92.7m