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DRAFT CANAL SEDIMENT INVESTIGATION SUMMARY
FOR
THE FORMER CRAWFORD STATION

CHICAGO, ILLINOIS

Prepared for:

THE PEOPLES GAS
LIGHT and COKE COMPANY

Prepared by:

Burns & McDonnell Engineering
Company, Inc.
1431 Opus Place, Suite 400
Downers Grove, Illinois 60515-1164
630-724-3200

PROJECT NO. 39180
March 2007

This partial draft canal sediment investigation (Canal SI) summary presents a figure, TarGOST™ logs, boring logs and photographs collected to date in the Chicago Sanitary and Ship Canal (Canal), adjacent to the former Crawford Station property (Site). The Canal SI activities were conducted in February and March 2007.

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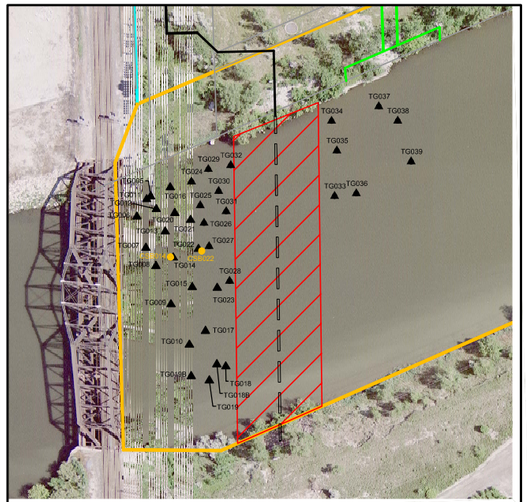
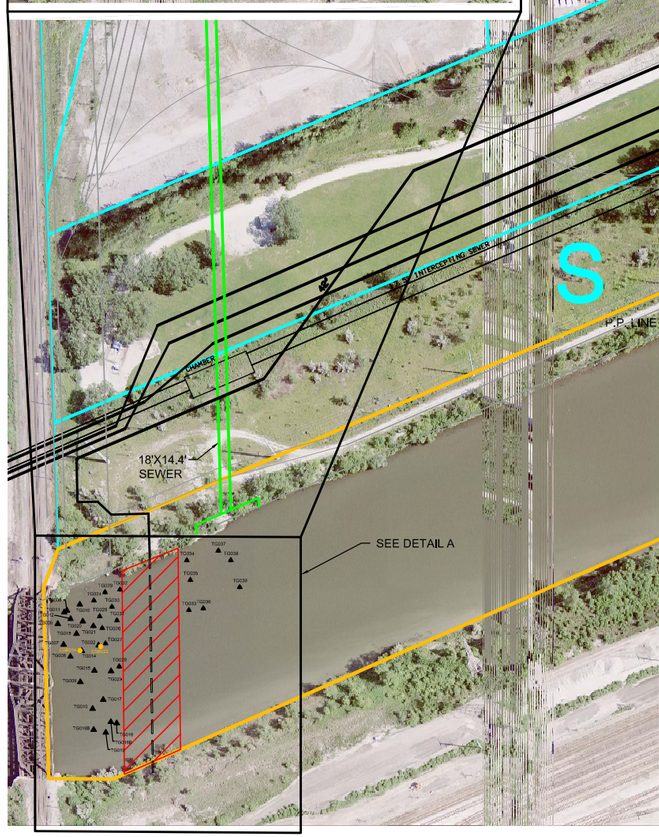
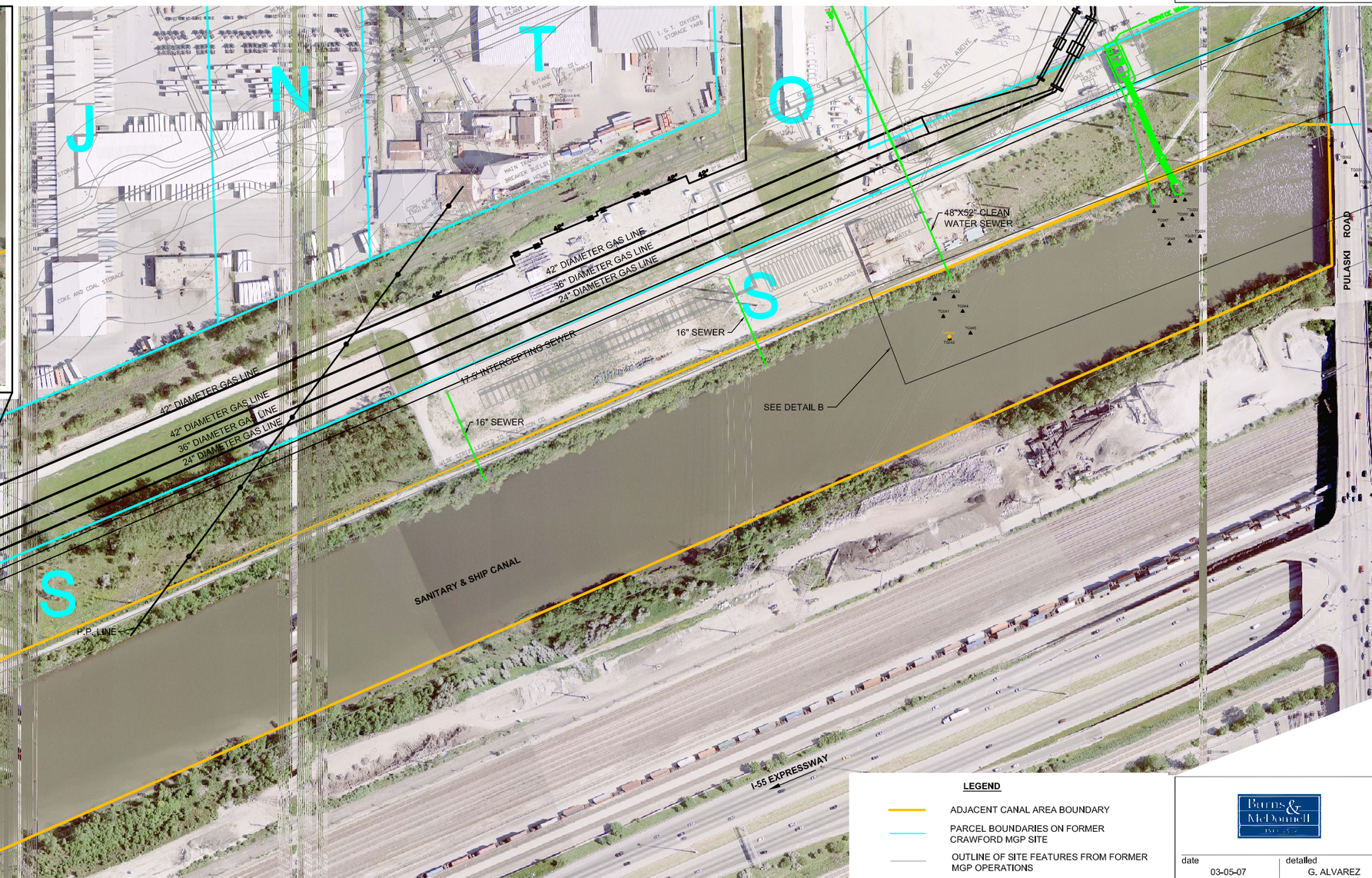
CANAL SEDIMENT INVESTIGATION
FIGURE

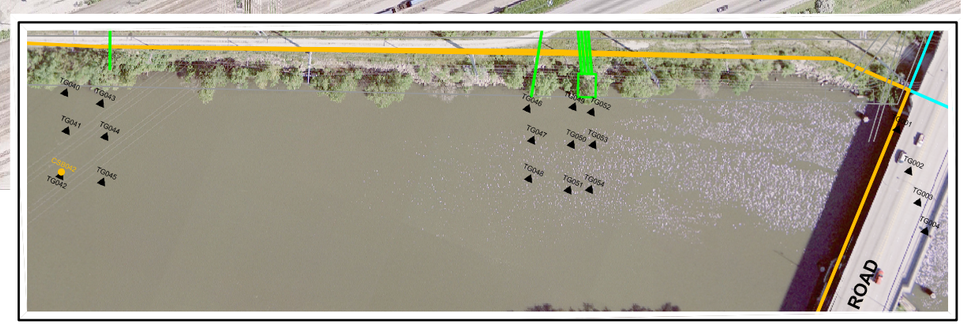
no.	date	by	ckd	description

DETAIL A









DETAIL B

LEGEND

- ADJACENT CANAL AREA BOUNDARY
- PARCEL BOUNDARIES ON FORMER CRAWFORD MGP SITE
- OUTLINE OF SITE FEATURES FROM FORMER MGP OPERATIONS
- SEWER LOCATION
- GAS MAIN LOCATION
- 42" GAS MAIN LOCATION
- TG003 ▲ TARGOST™ SEDIMENT SAMPLING LOCATION
- CSB014 ● SOIL BORING LOCATION
- SETBACK ZONE (50' ON EITHER SIDE OF 42" GAS MAIN)

NORTH

120 0 120 240
SCALE IN FEET

DRAFT

Burns & McDonnell

date	detailed
03-05-07	G. ALVAREZ
designed	checked
J. BLAIZER	

THE PEOPLES GAS LIGHT AND COKE COMPANY CHICAGO, ILLINOIS

Figure 1
SAMPLE LOCATION MAP
RIVER SEDIMENT INVESTIGATION
FORMER CRAWFORD STATION

project | contract
drawing | rev. –
sheet of sheets
file I:\PEOPLES\...\CRAWFORD\CAD\BID\RIVER INVESTIGATION\TARGOST LOCATION

Millimeters
Inches
Scale For Microfilming

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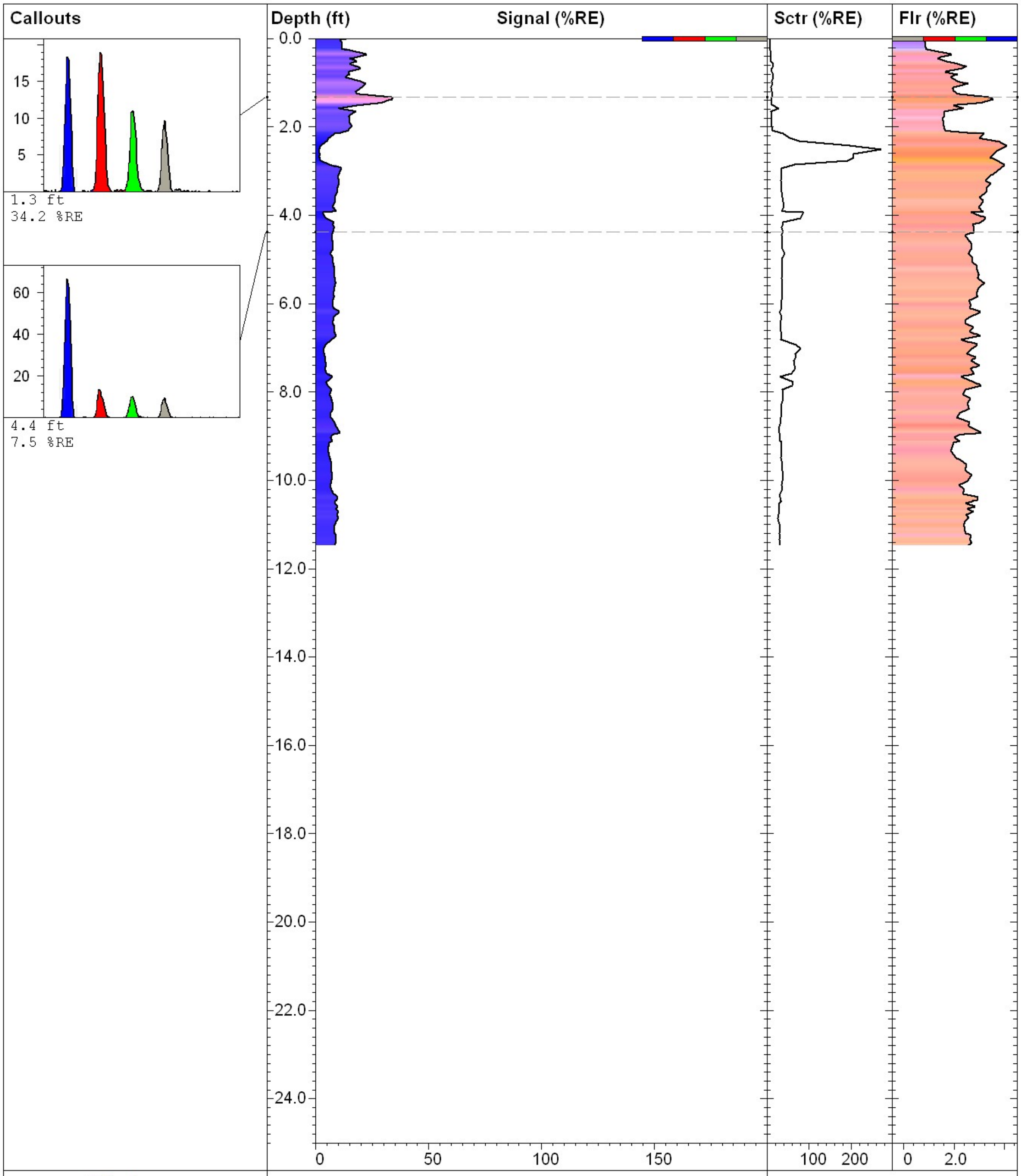
CANAL SEDIMENT INVESTIGATION
TarGOST LOGS



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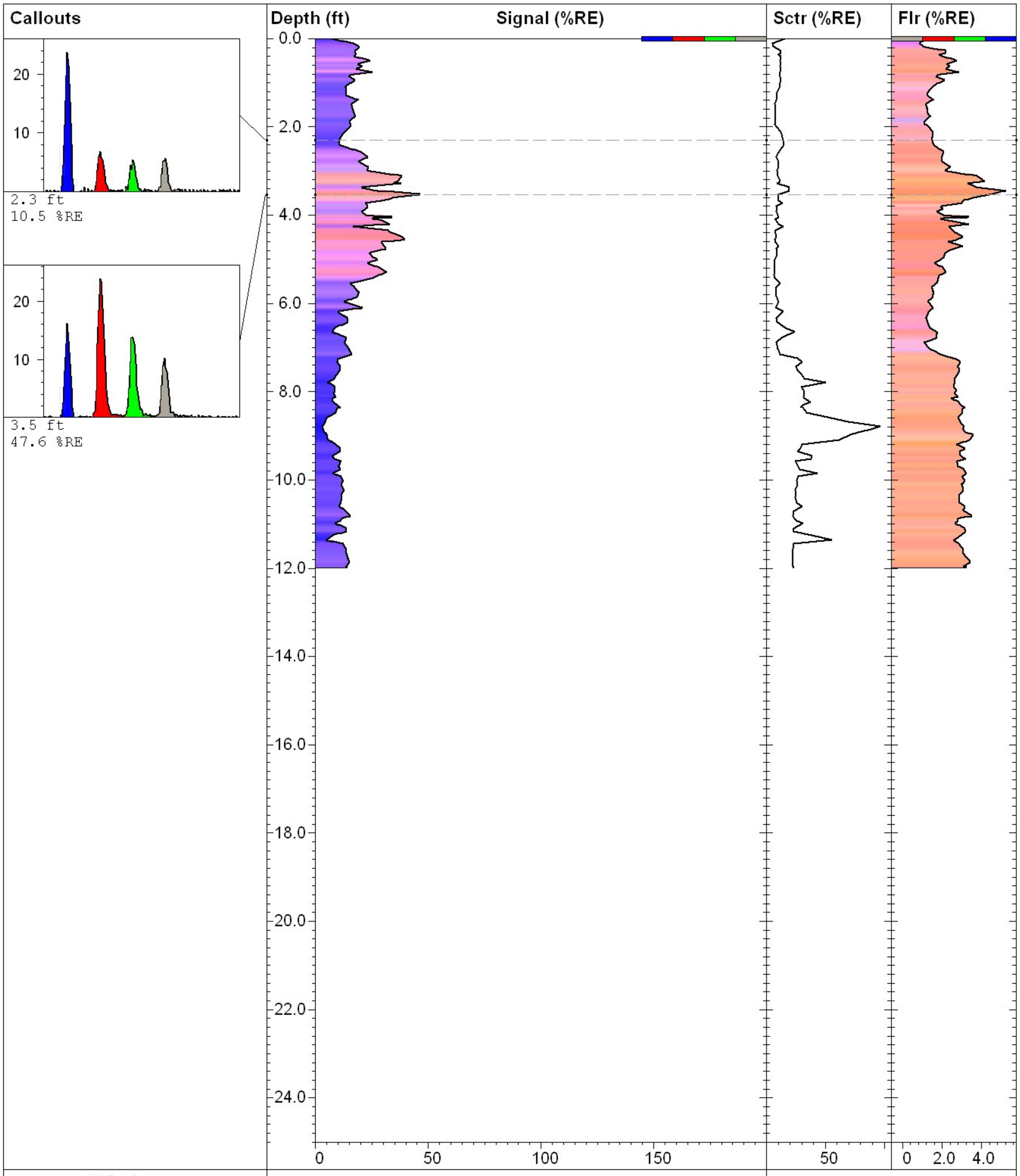
CRAW_TG001		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.548290 N / NAD83**	*Final depth:* **11.48 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.461233 W**	*Max signal:* **34.2 % @ 1.32 ft**
Job:	*Operator/Unit:* **T.Rudolph/DTI02**	*Date & Time:* **2/21/2007 10:22:19 AM**



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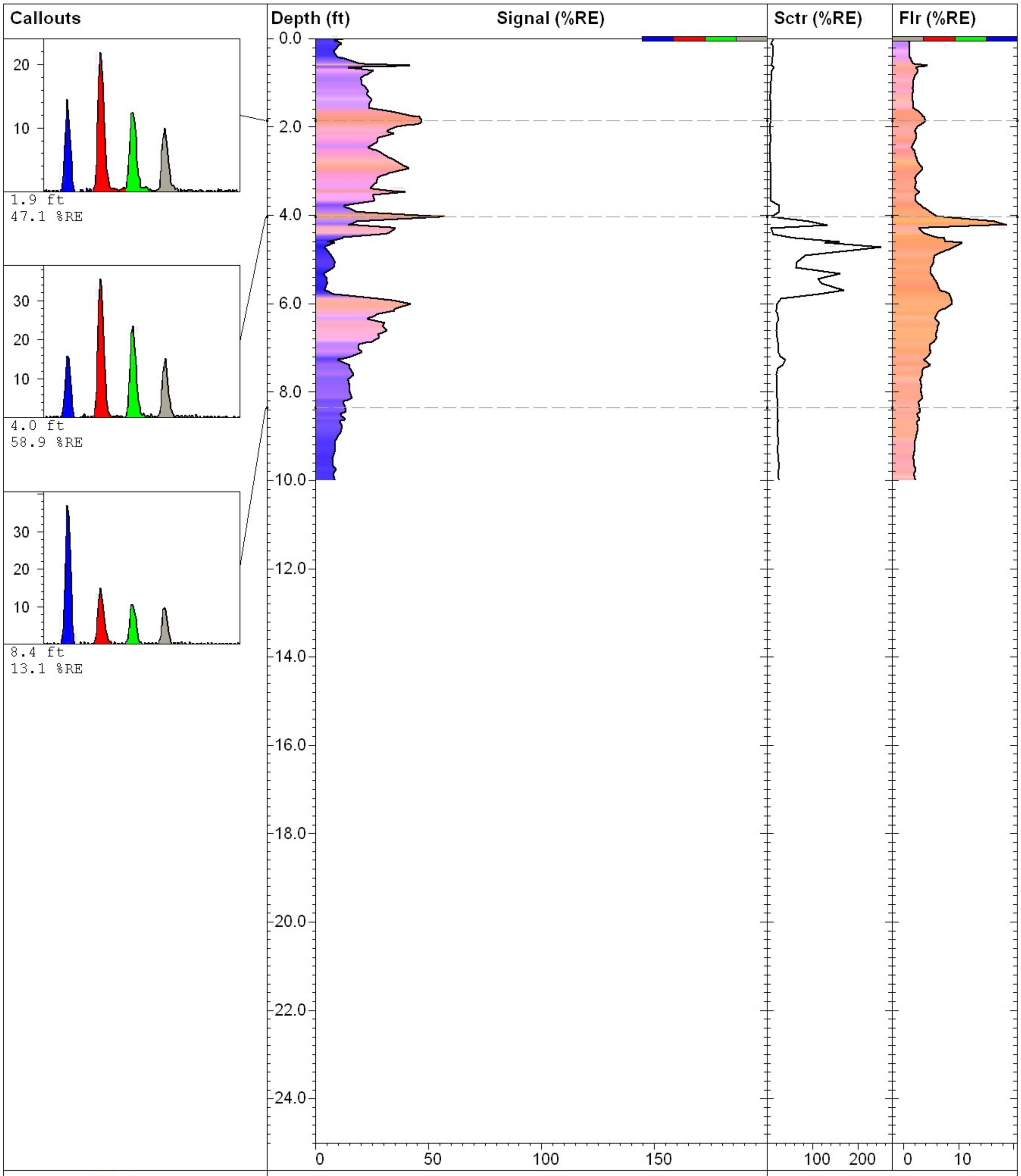
CRAW_TG002		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.542376 N / NAD83**	*Final depth:* **12.01 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.459350 W**	*Max signal:* **47.6 % @ 3.53 ft**
Job:	*Operator/Unit:* **T.Rudolph/DTI02**	*Date & Time:* **2/21/2007 11:19:47 AM**



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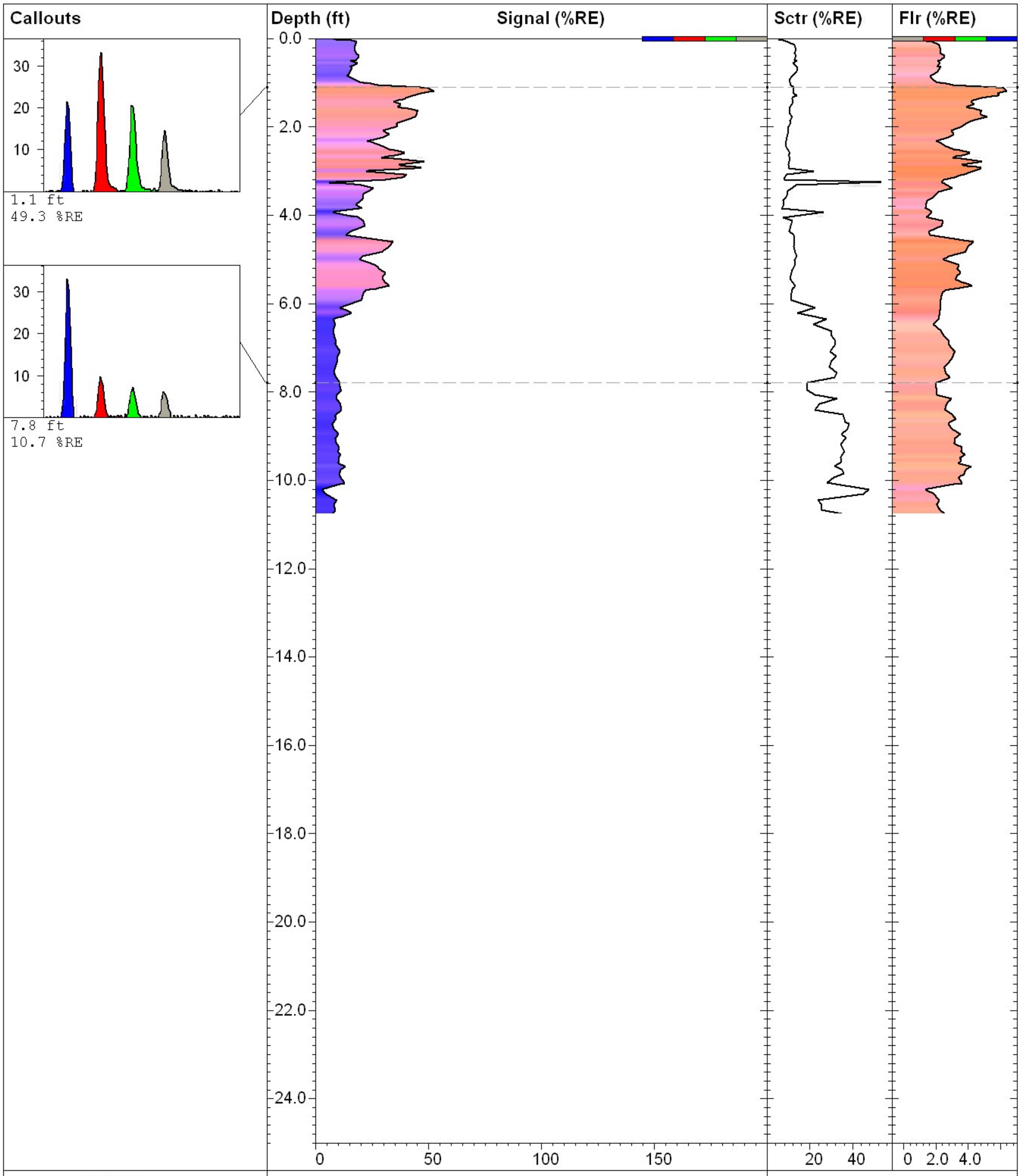
CRAW_TG003		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **Unavailable / NAD83**	*Final depth:* **10.00 ft**
Client: **Burns & McDonnell**	*Longitude:* **Unavailable**	*Max signal:* **58.9 % @ 4.03 ft**
Job:	*Operator/Unit:* **T.Rudolph/DTI02**	*Date & Time:* **2/21/2007 12:18:46 PM**



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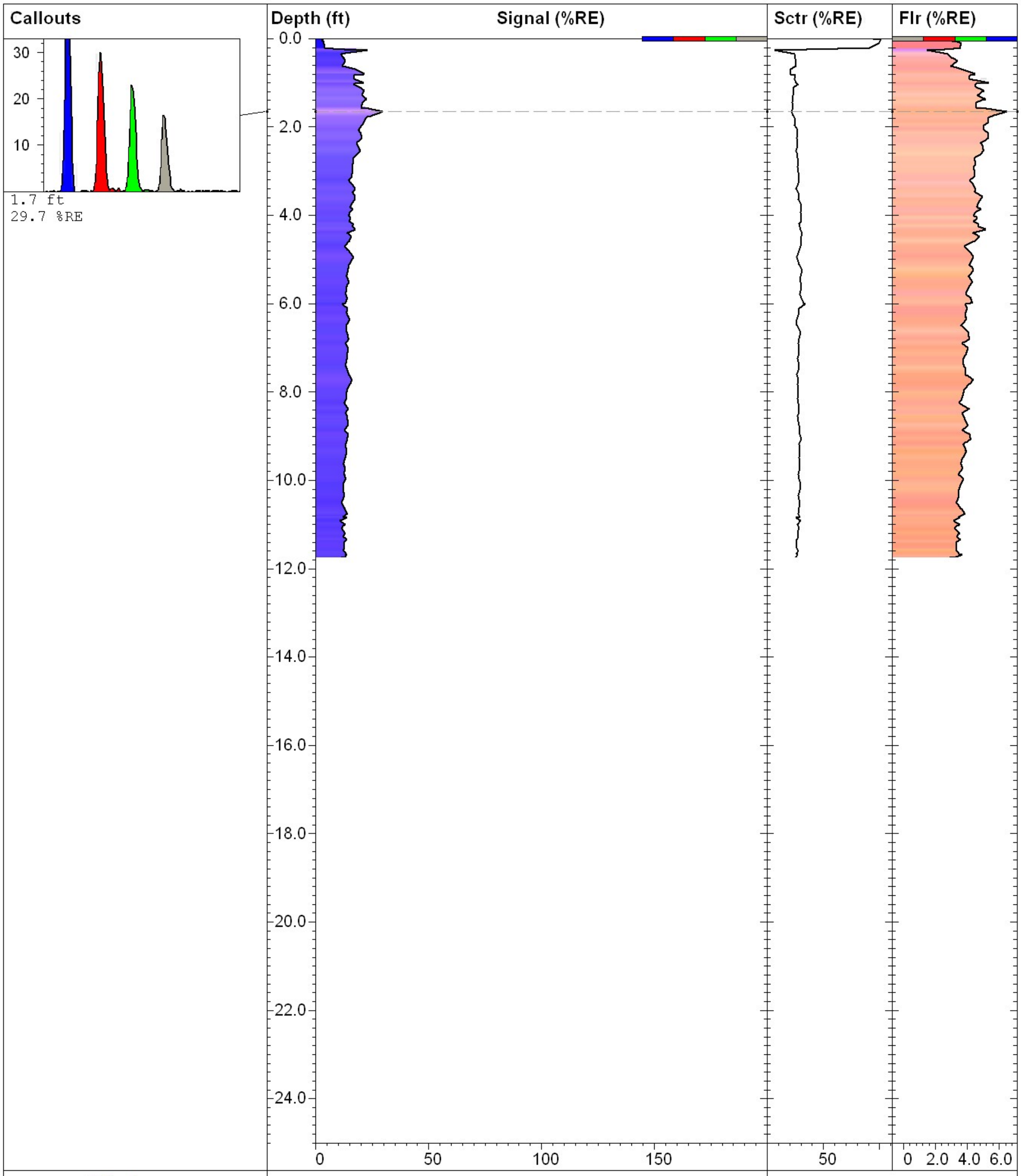
CRAW_TG004		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.532275 N / NAD83**	*Final depth:* **10.76 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.437021 W**	*Max signal:* **52.3 % @ 1.19 ft**
Job:	*Operator/Unit:* **T.Rudolph/DTI02**	*Date & Time:* **2/21/2007 1:24:02 PM**



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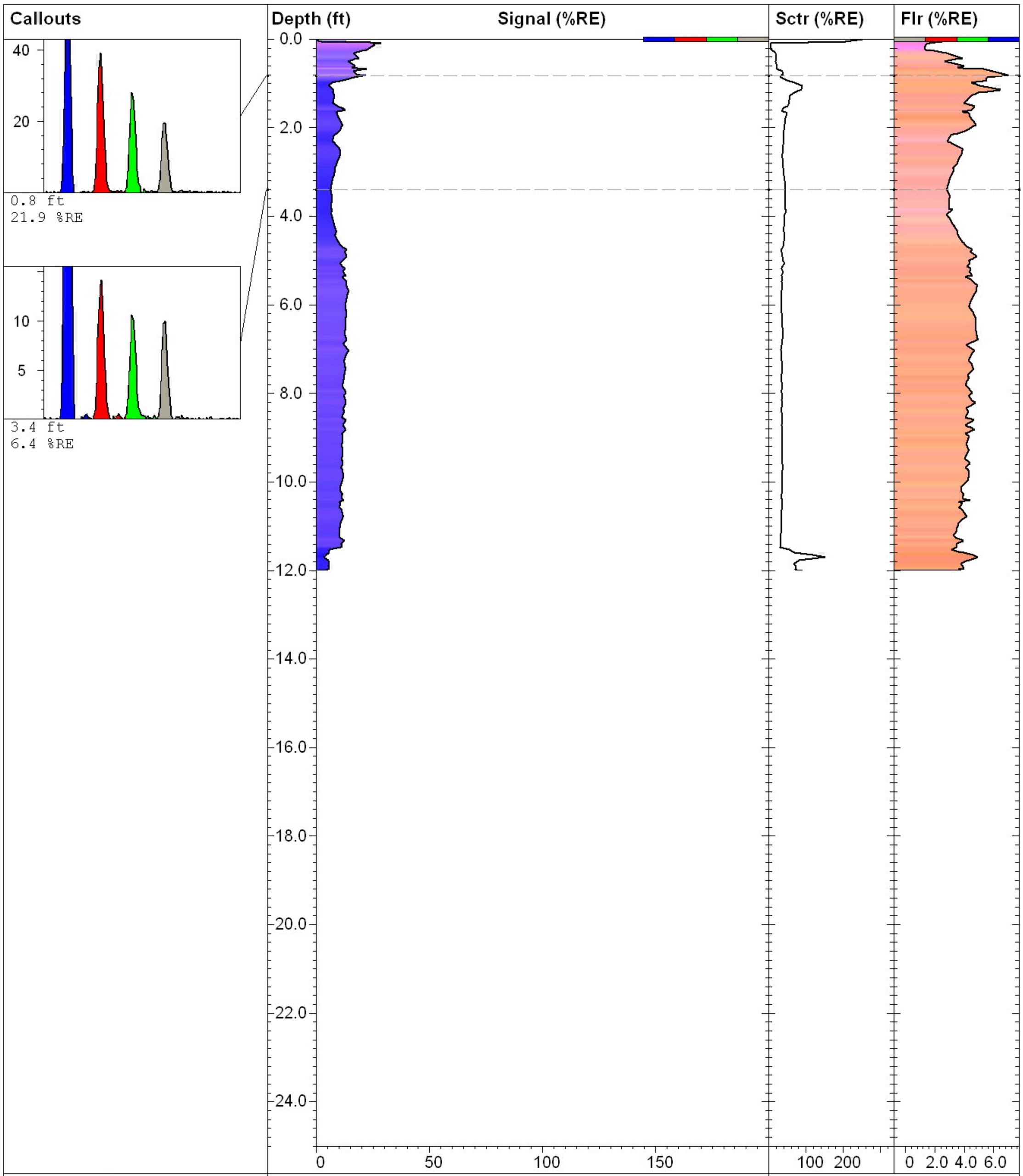
CRAW_TG005		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.283808 N / NAD83**	*Final depth:* **11.75 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.304520 W**	*Max signal:* **29.7 % @ 1.65 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/26/2007 12:28:56 PM**



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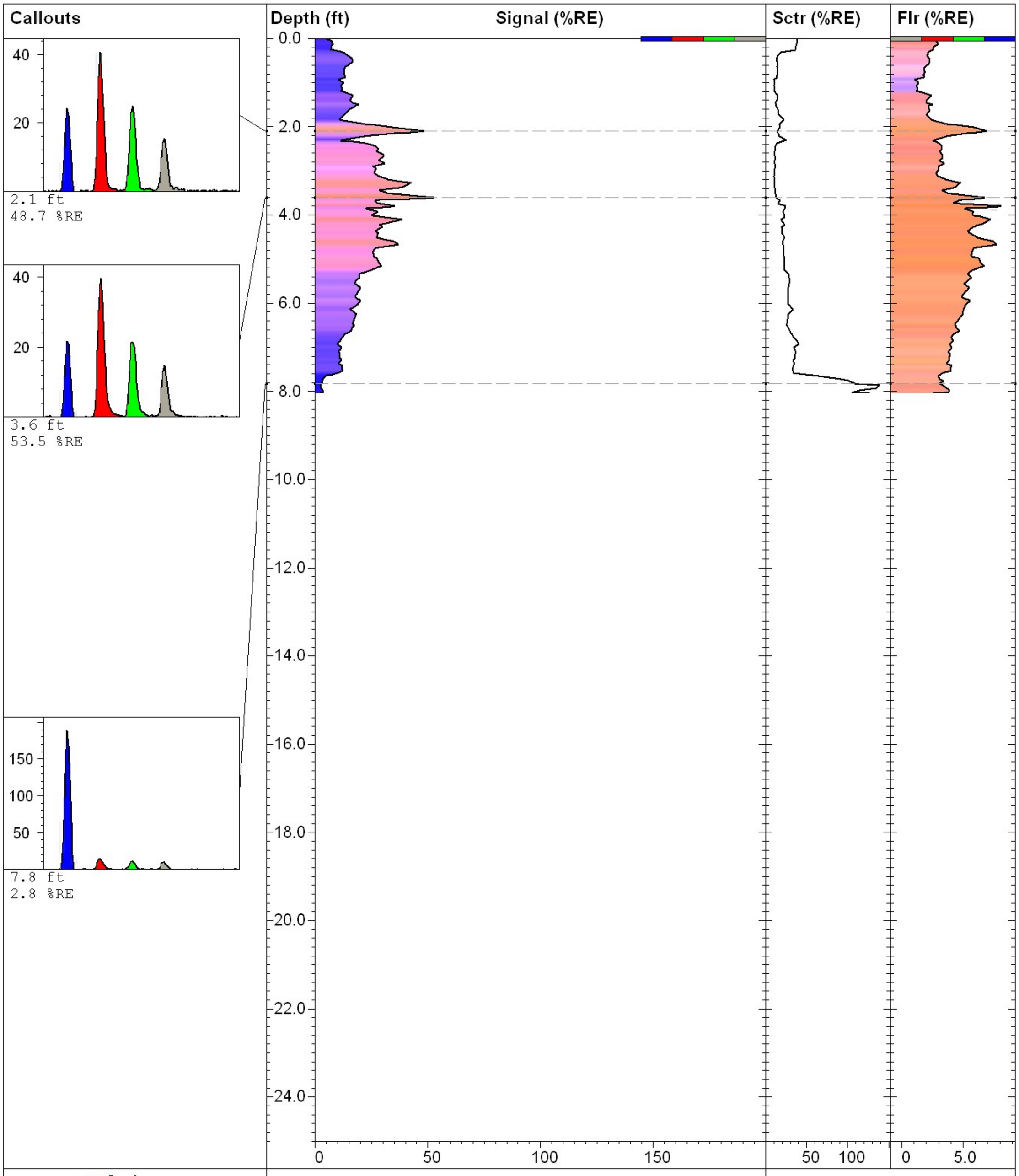
CRAW_TG006		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.279905 N / NAD83**	*Final depth:* **12.01 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.308127 W**	*Max signal:* **32.9 % @ 0.09 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/26/2007 1:26:25 PM**



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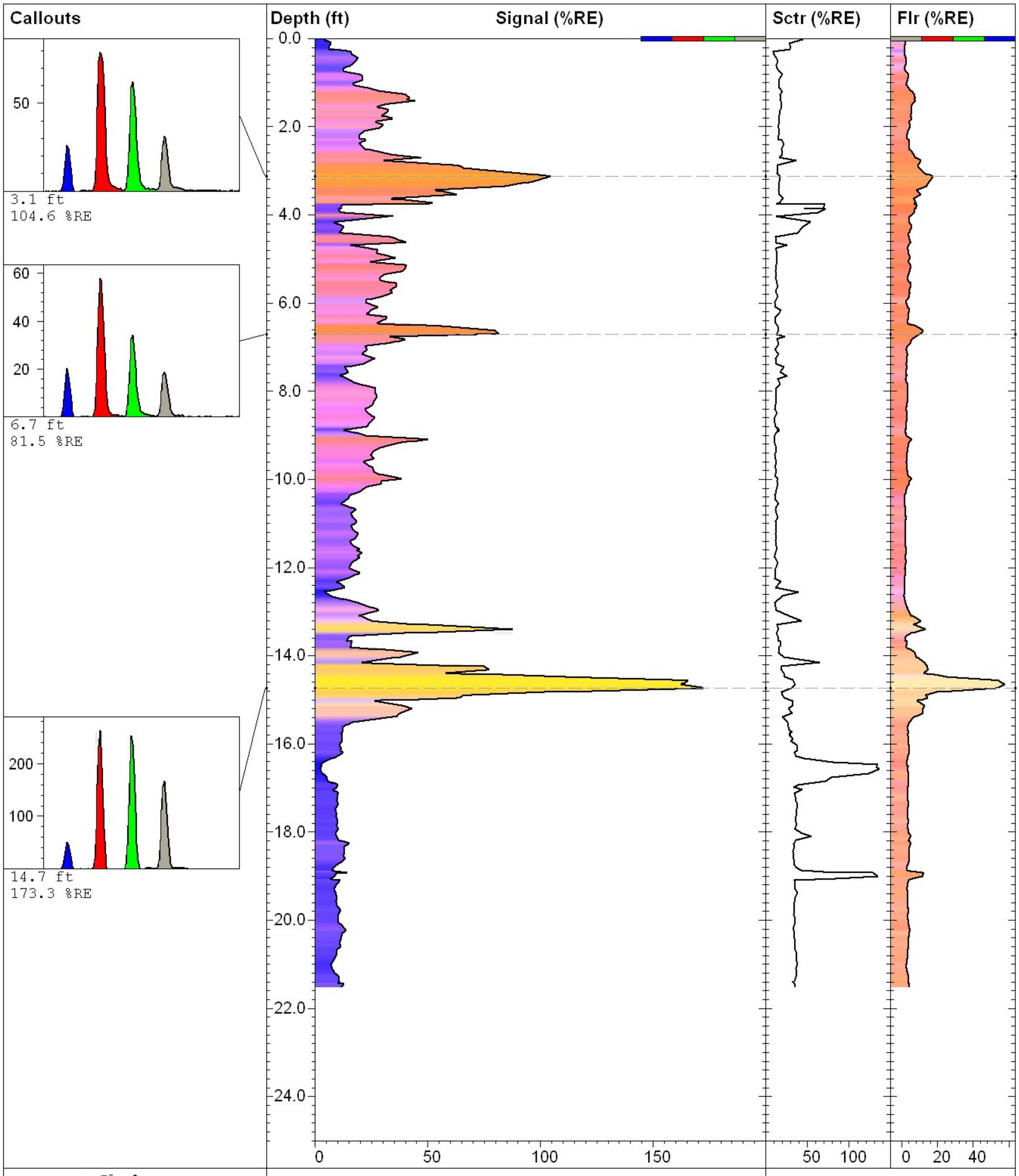
CRAW_TG007		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.273838 N / NAD83**	*Final depth:* **8.05 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.305841 W**	*Max signal:* **53.5 % @ 3.61 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/26/2007 2:06:53 PM**



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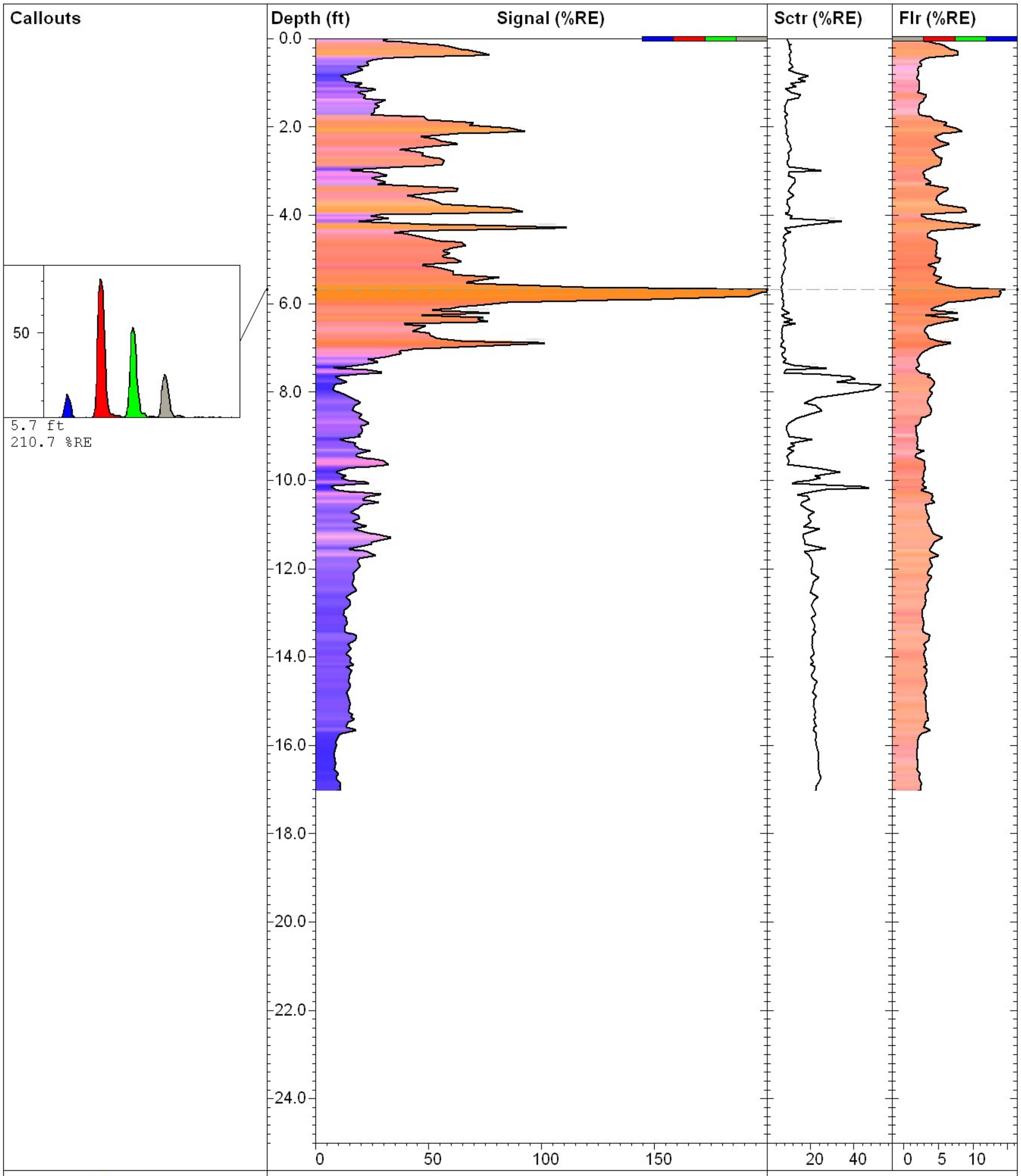
CRAW_TG008		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.270296 N / NAD83**	*Final depth:* **21.53 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.303297 W**	*Max signal:* **173.3 % @ 14.73 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/26/2007 2:53:02 PM**



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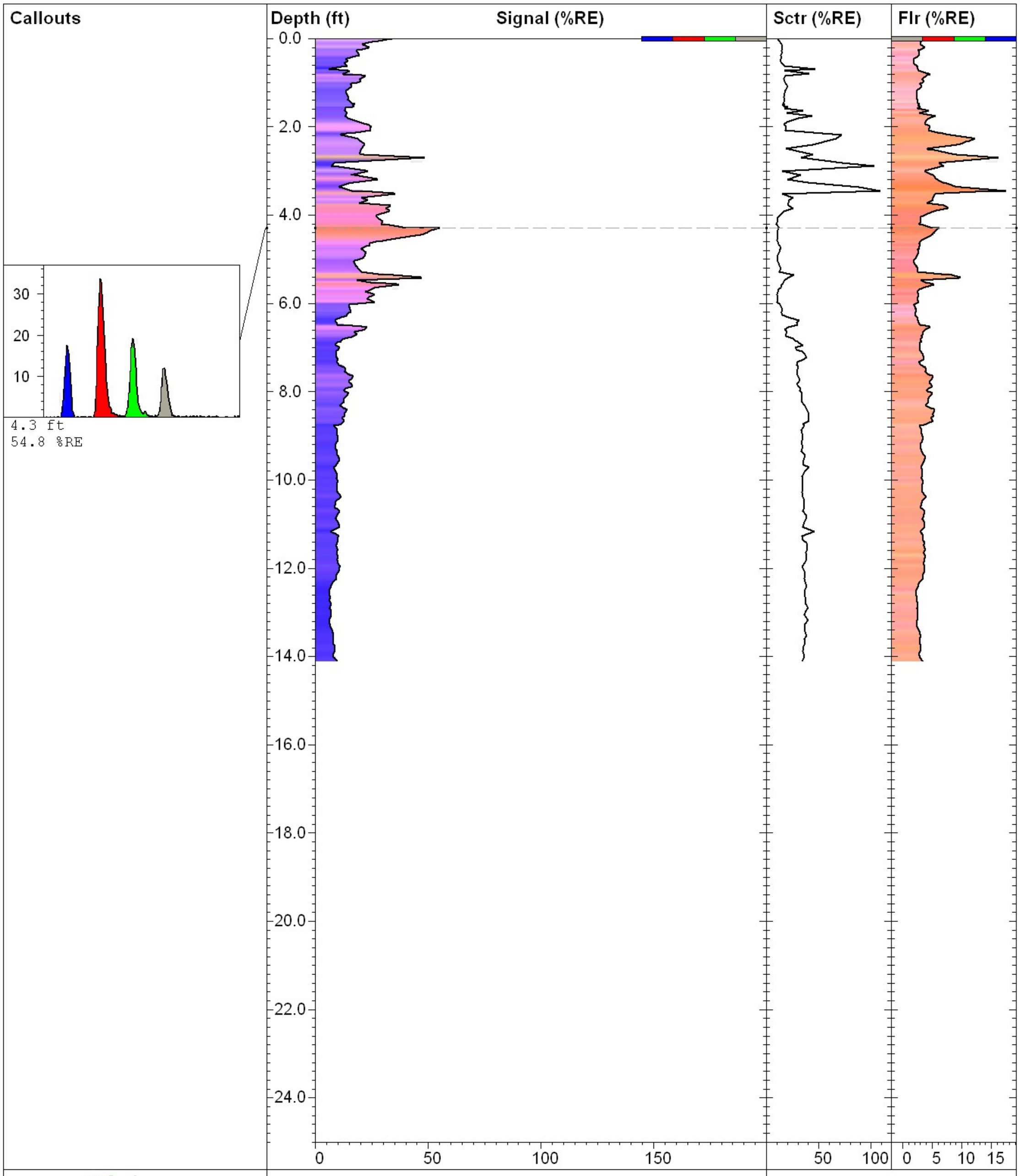
CRAW_TG009		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.262891 N / NAD83**	*Final depth:* **17.03 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.299433 W**	*Max signal:* **210.7 % @ 5.68 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/26/2007 3:54:16 PM**



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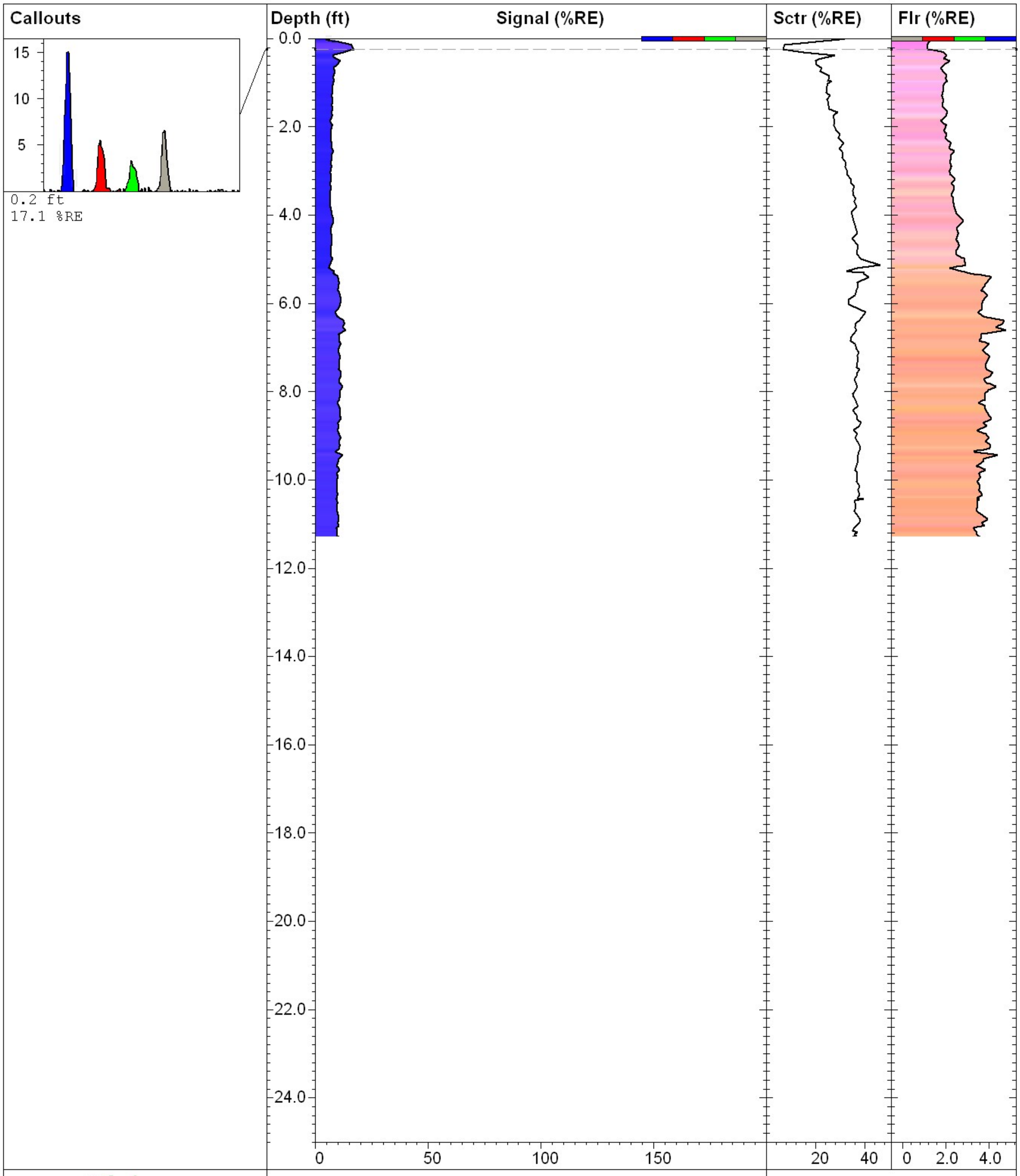
CRAW_TG010		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.255035 N / NAD83**	*Final depth:* **14.12 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.294764 W**	*Max signal:* **54.8 % @ 4.29 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/27/2007 9:45:53 AM**



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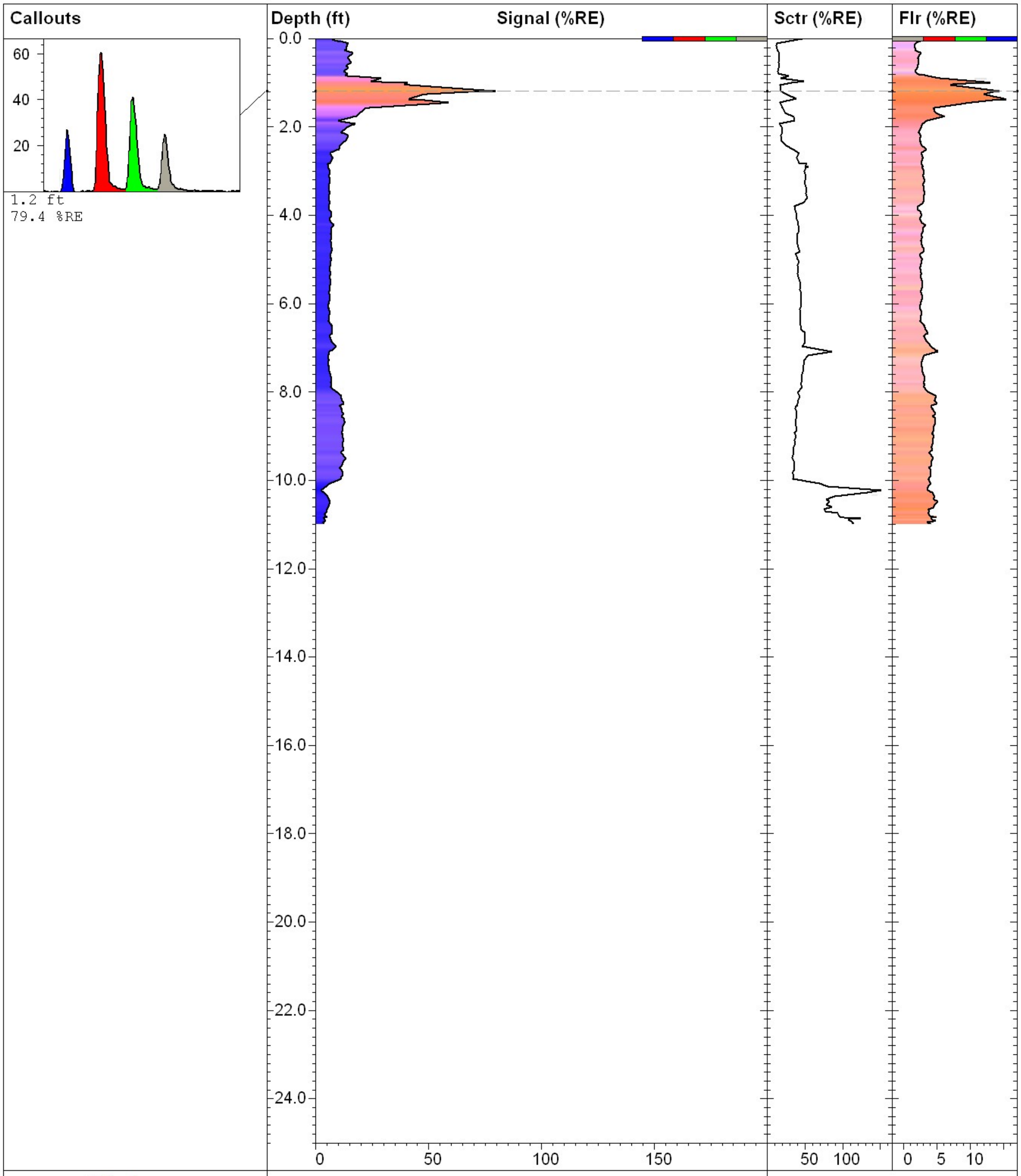
CRAW_TG011		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.283286 N / NAD83**	*Final depth:* **11.29 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.305562 W**	*Max signal:* **17.1 % @ 0.24 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/27/2007 10:56:59 AM**



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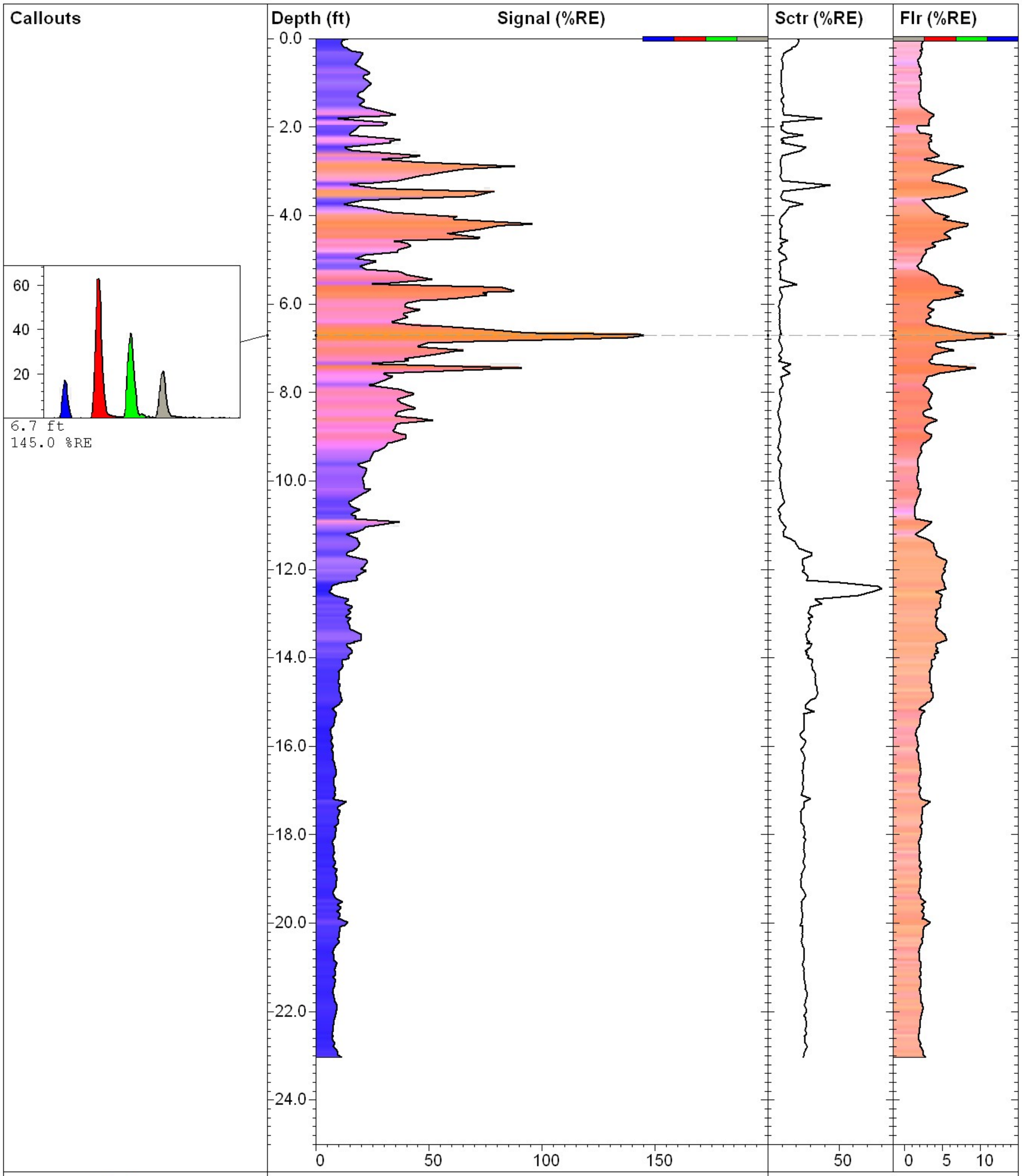
CRAW_TG012

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.281333 N / NAD83**	*Final depth:* **11.00 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.303074 W**	*Max signal:* **79.4 % @ 1.18 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/27/2007 11:37:01 AM**



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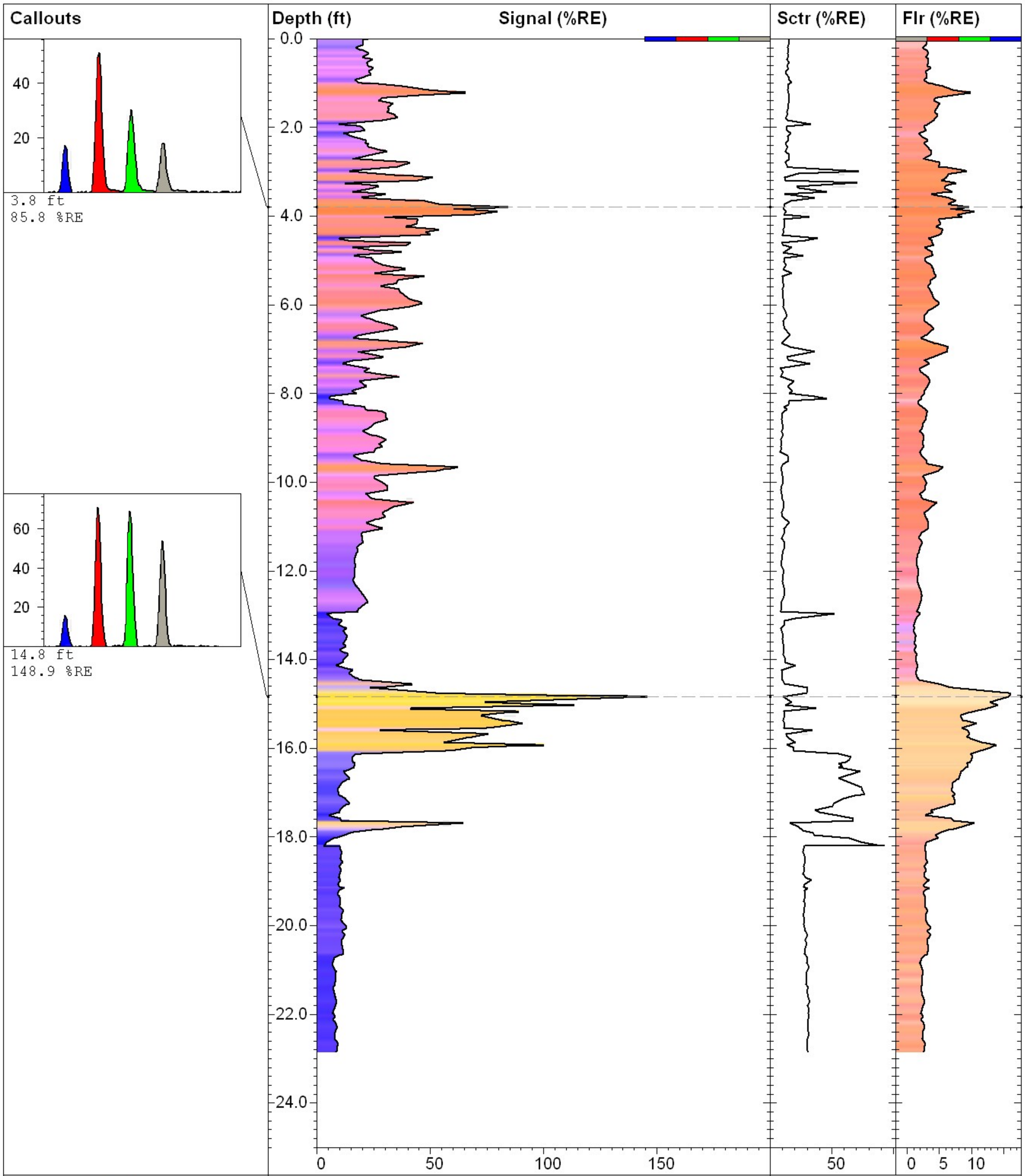
CRAW_TG013

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.276990 N / NAD83**	*Final depth:* **23.05 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.300809 W**	*Max signal:* **145.0 % @ 6.71 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/27/2007 12:54:09 PM**



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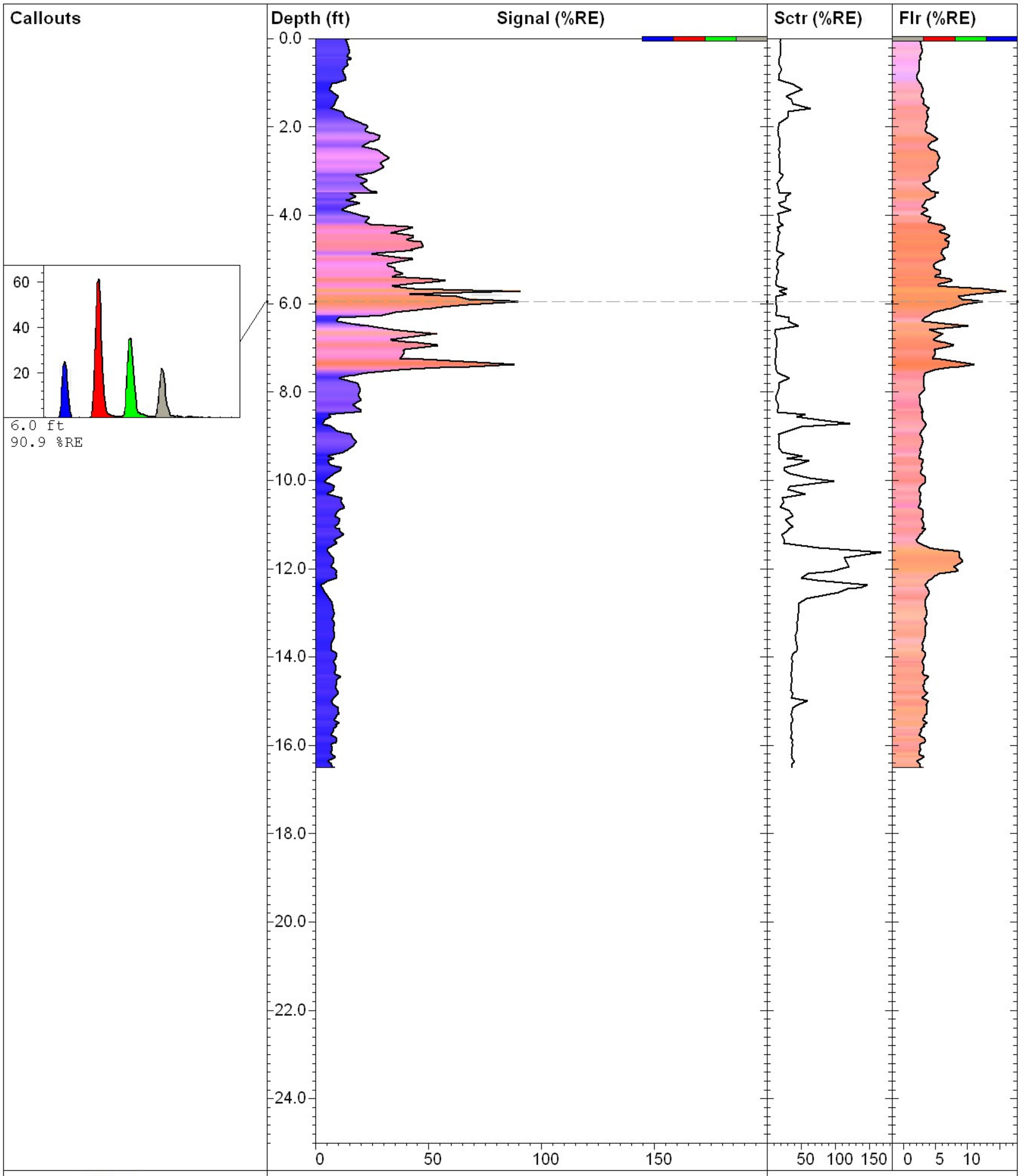
CRAW_TG014		TarGOST
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.271967 N / NAD83**	*Final depth:* **22.87 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.298788 W**	*Max signal:* **148.9 % @ 14.84 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/27/2007 1:42:26 PM**



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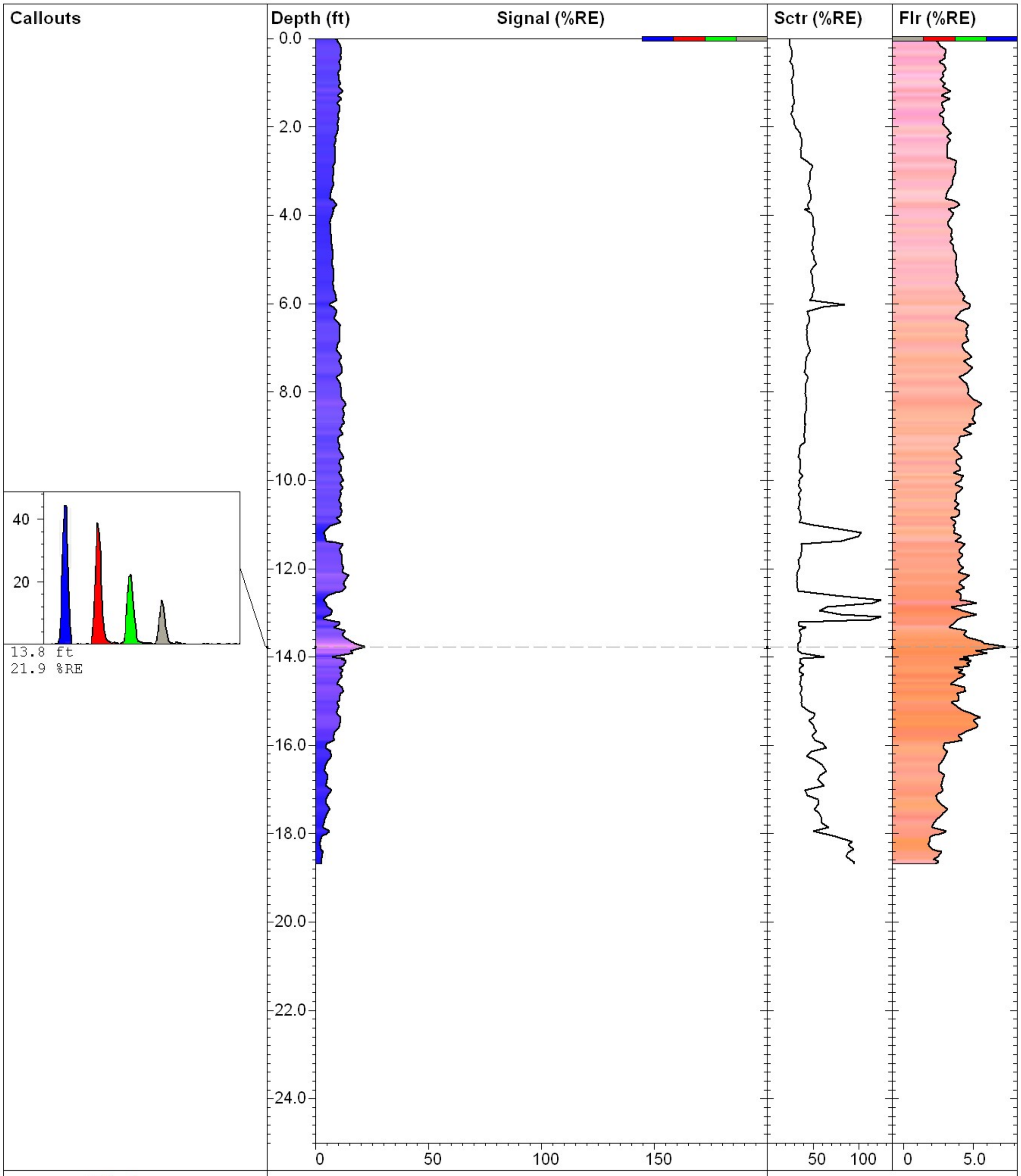
CRAW_TG015

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.266169 N / NAD83**	*Final depth:* **16.52 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.293911 W**	*Max signal:* **93.0 % @ 5.72 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/27/2007 2:40:47 PM**



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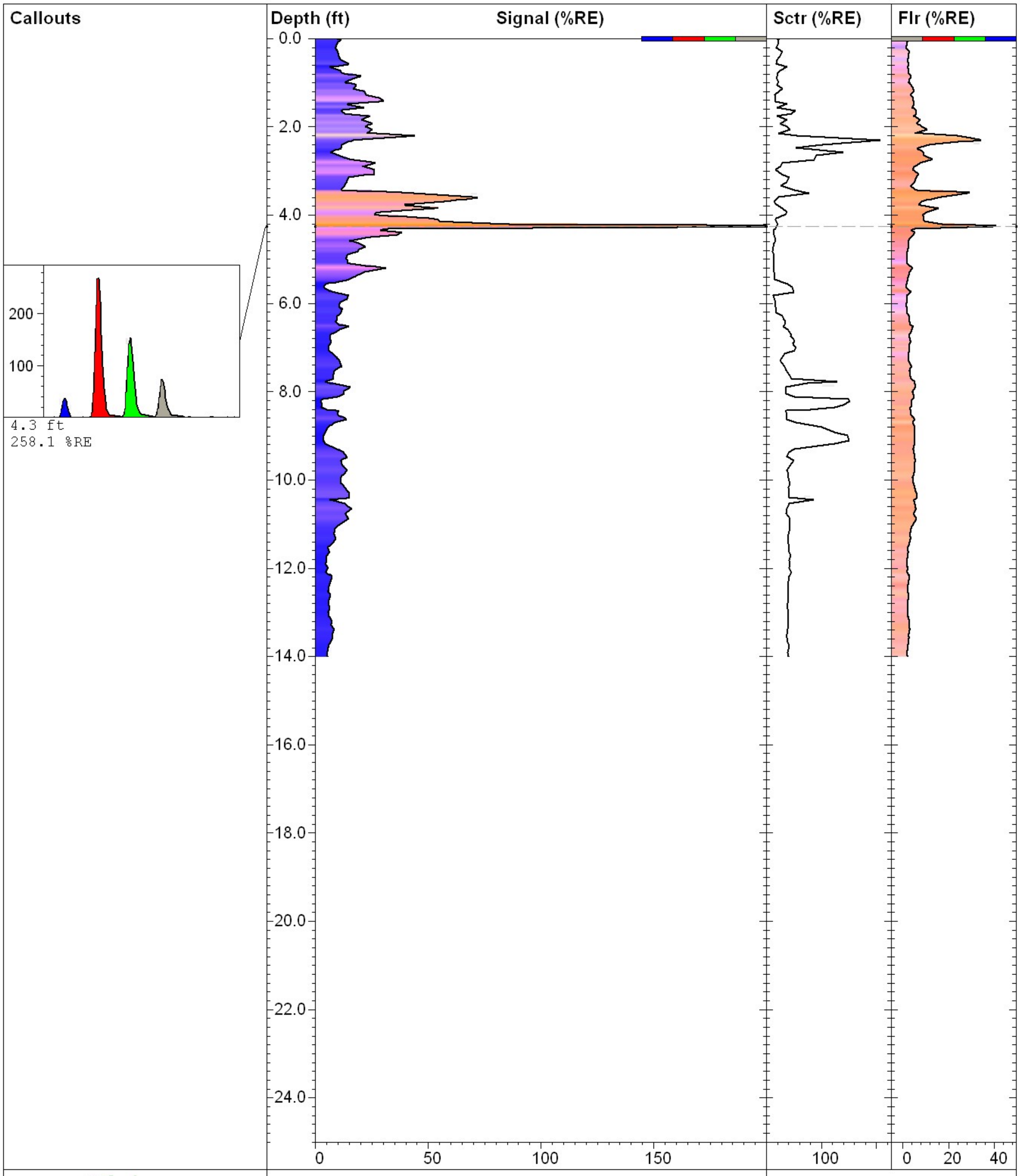
CRAW_TG016

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.285535 N / NAD83**	*Final depth:* **18.69 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.299424 W**	*Max signal:* **21.9 % @ 13.77 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/27/2007 3:34:34 PM**



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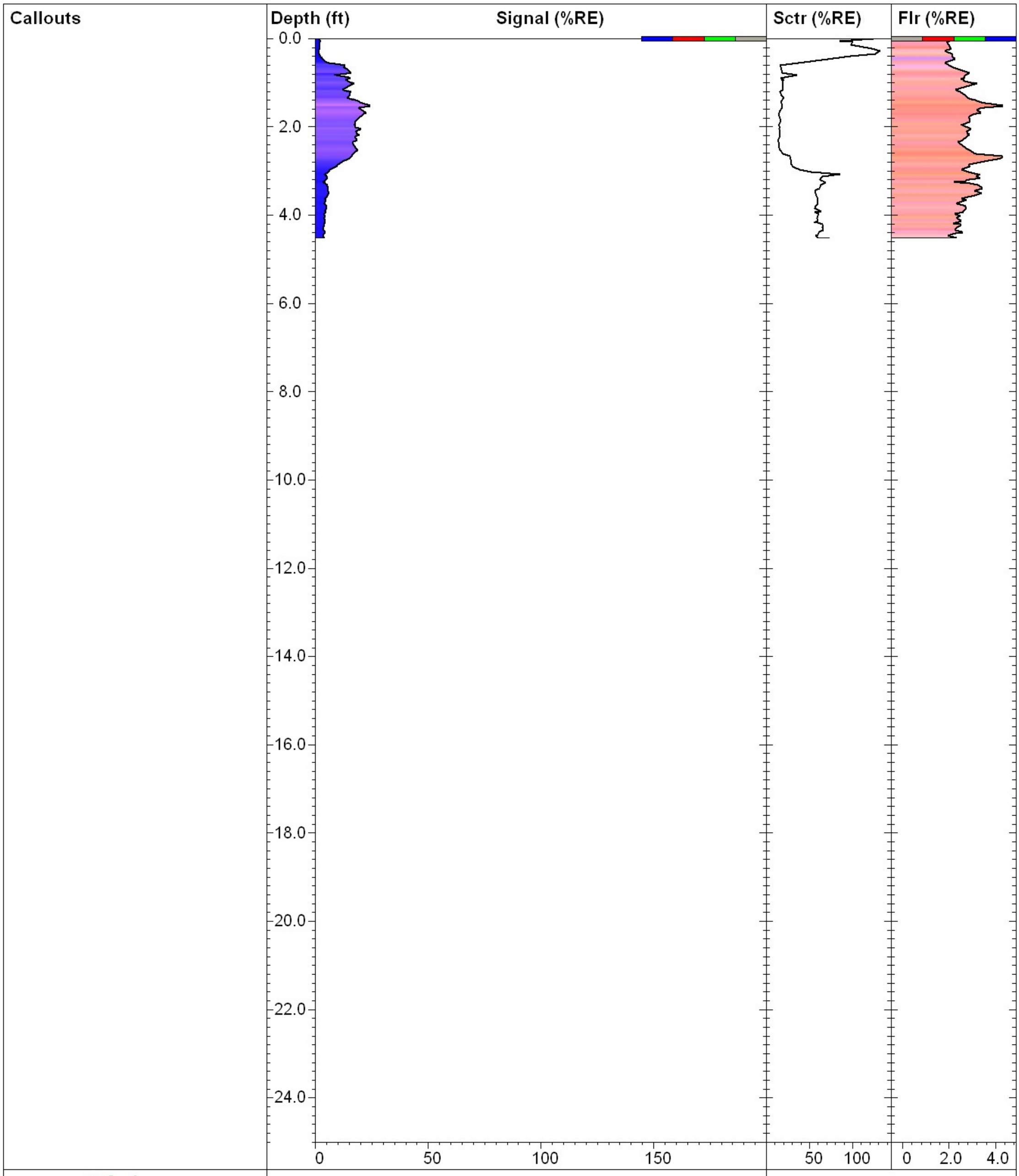
CRAW_TG017		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.257651 N / NAD83**	*Final depth:* **14.02 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.290564 W**	*Max signal:* **258.1 % @ 4.25 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/28/2007 10:46:47 AM**



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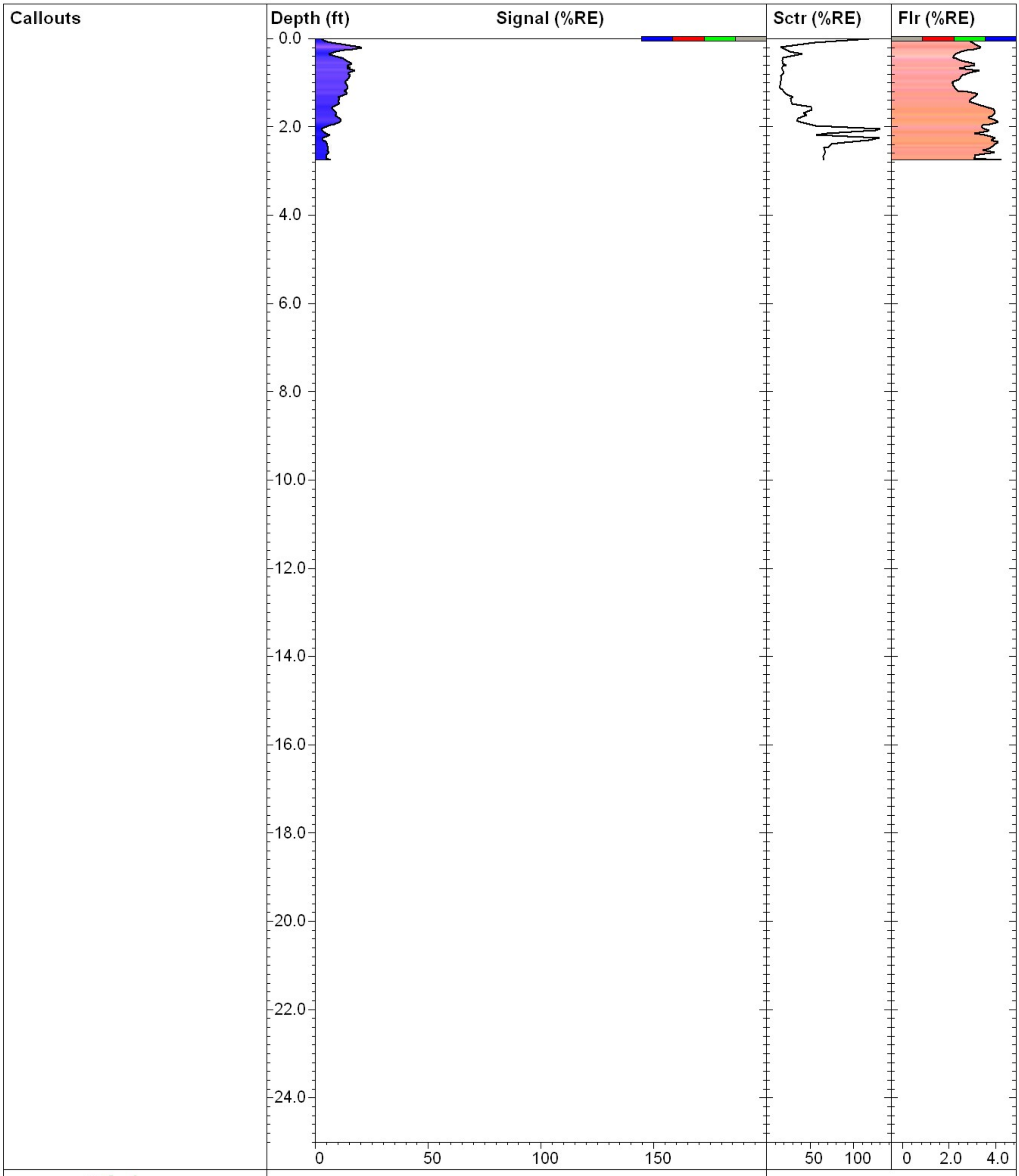
CRAW_TG018		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.250758 N / NAD83**	*Final depth:* **4.53 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.285367 W**	*Max signal:* **24.8 % @ 1.52 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/28/2007 11:42:26 AM**



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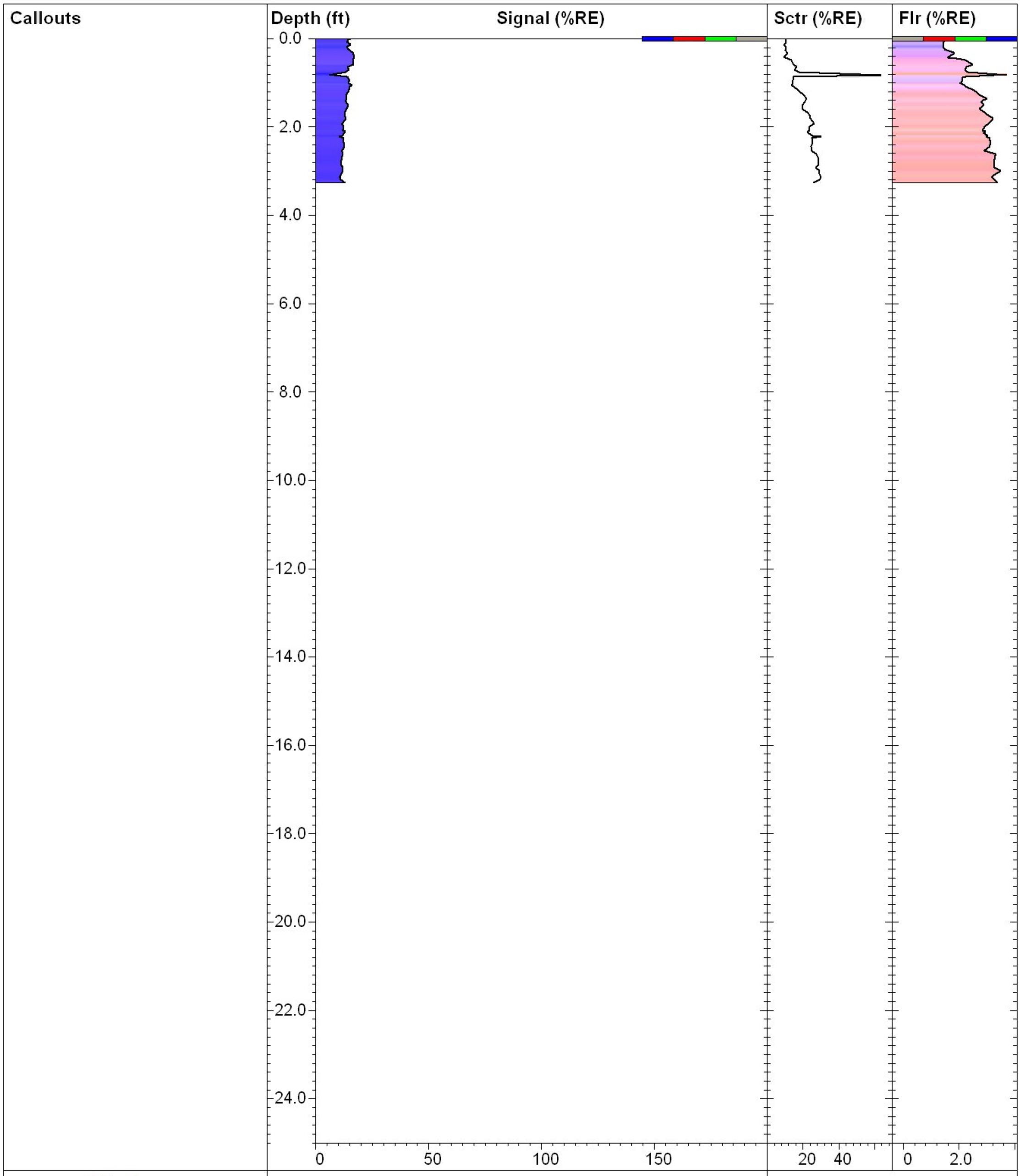
CRAW_TG018B		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.251150 N / NAD83**	*Final depth:* **2.76 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.287656 W**	*Max signal:* **21.0 % @ 0.20 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/28/2007 12:06:49 PM**



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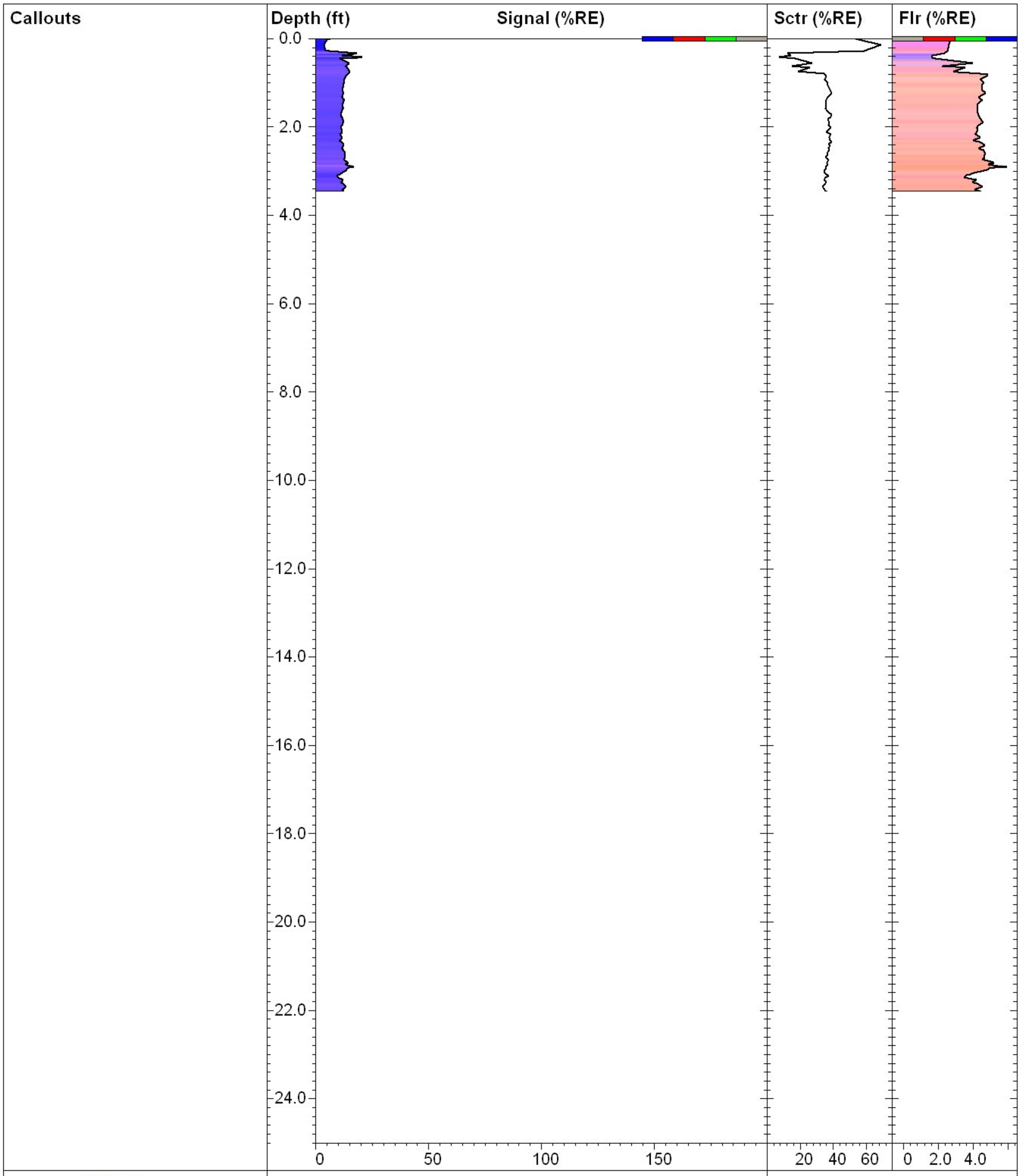
CRAW_TG019

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.248066 N / NAD83**	*Final depth:* **3.27 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.289684 W**	*Max signal:* **17.2 % @ 0.42 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/28/2007 1:12:11 PM**



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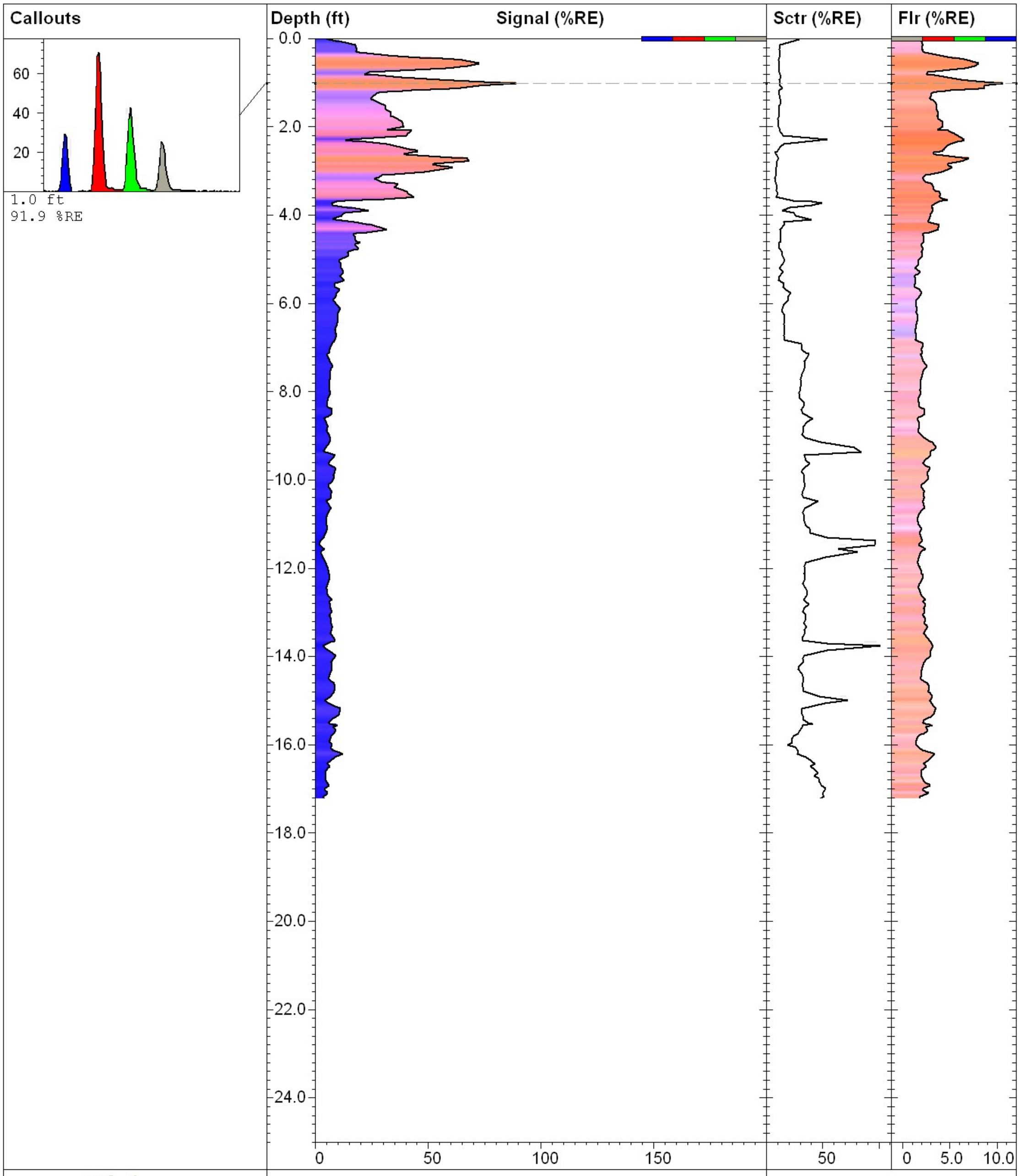
CRAW_TG019B

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.248908 N / NAD83**	*Final depth:* **3.47 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.294350 W**	*Max signal:* **21.5 % @ 0.41 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/1/2007 10:19:20 AM**



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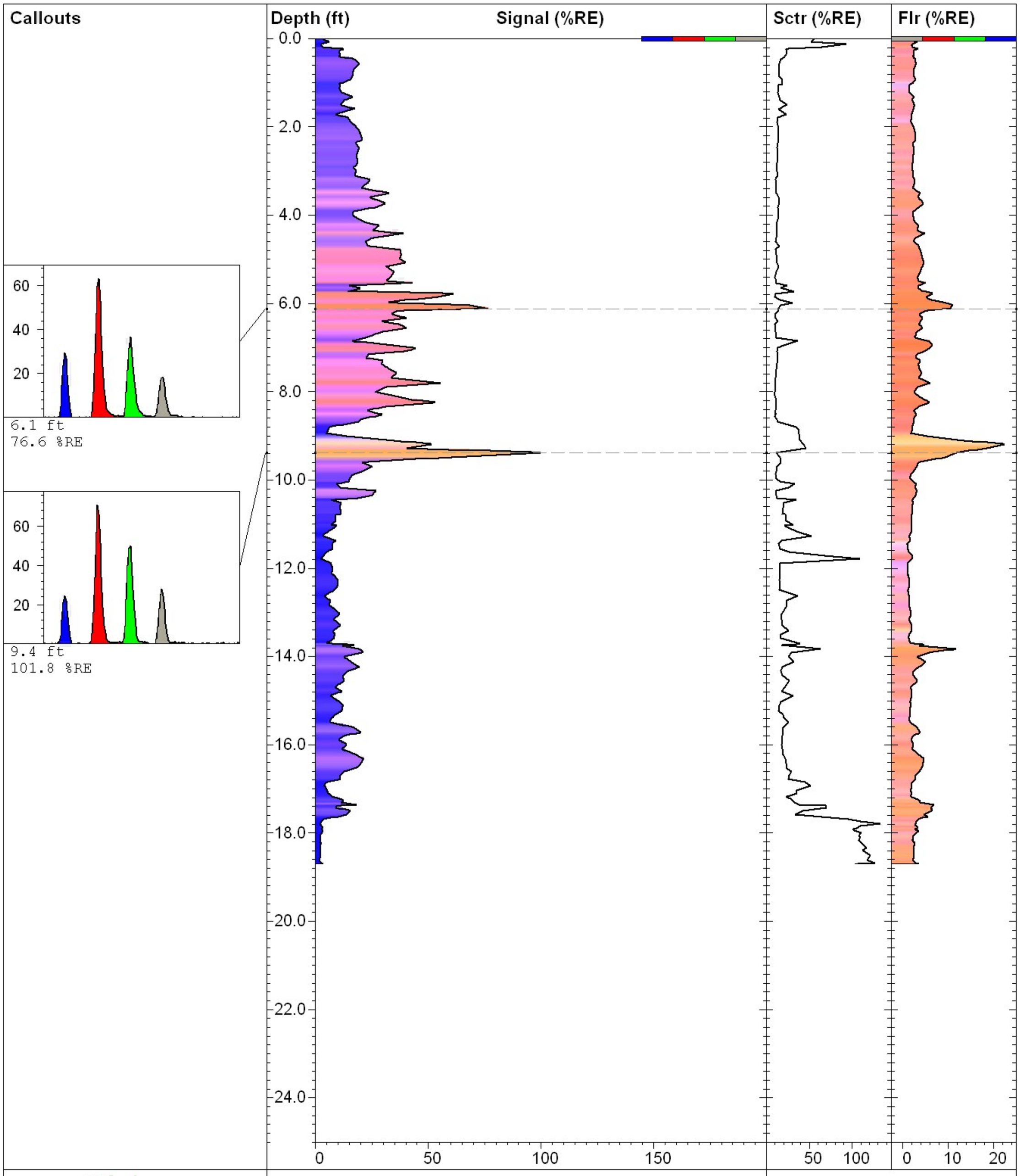
CRAW_TG020		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.280554 N / NAD83**	*Final depth:* **17.23 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.298299 W**	*Max signal:* **91.9 % @ 1.01 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/28/2007 2:04:31 PM**



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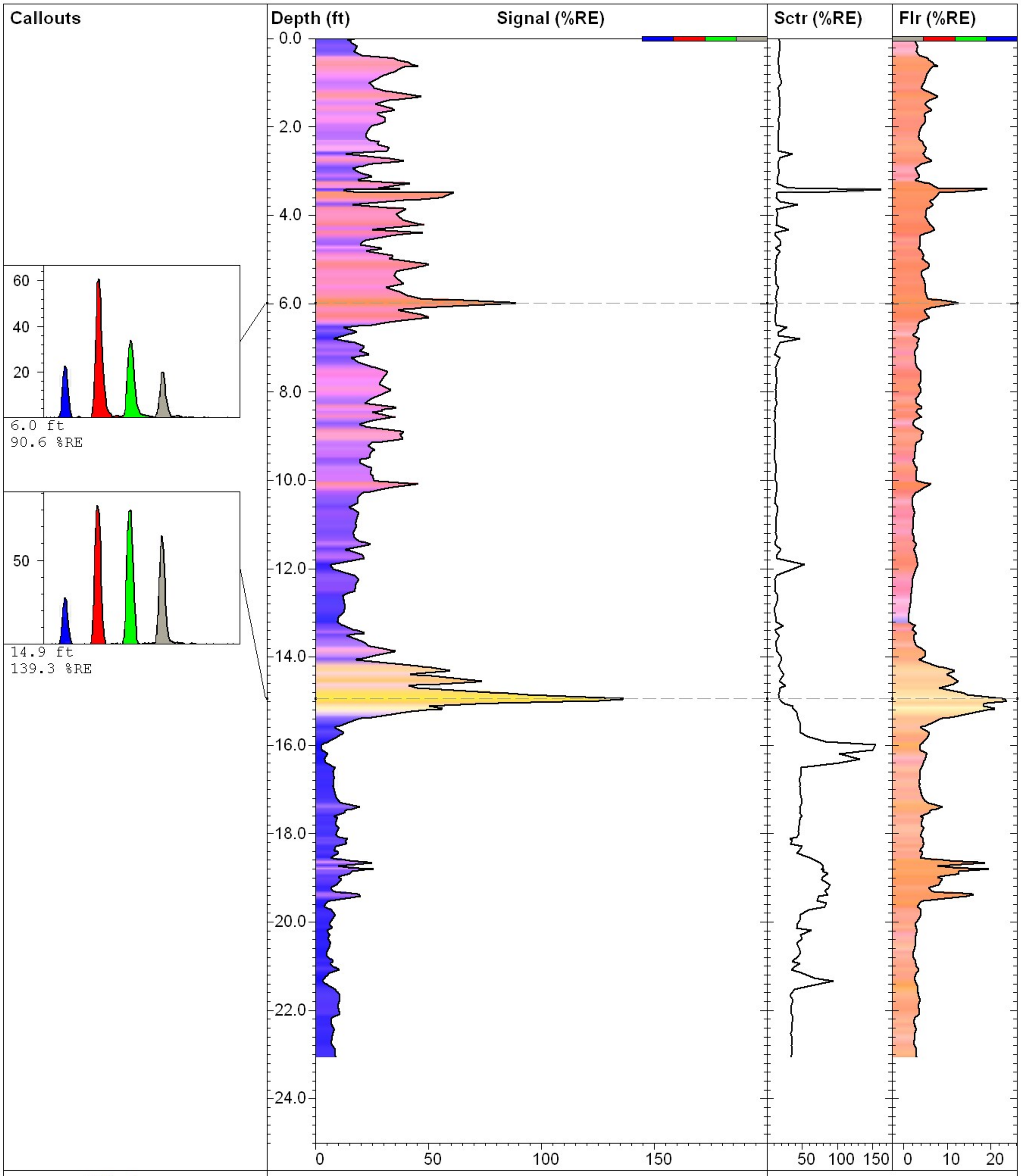
CRAW_TG021		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.279175 N / NAD83**	*Final depth:* **18.71 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.294246 W**	*Max signal:* **101.8 % @ 9.38 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/28/2007 2:48:42 PM**



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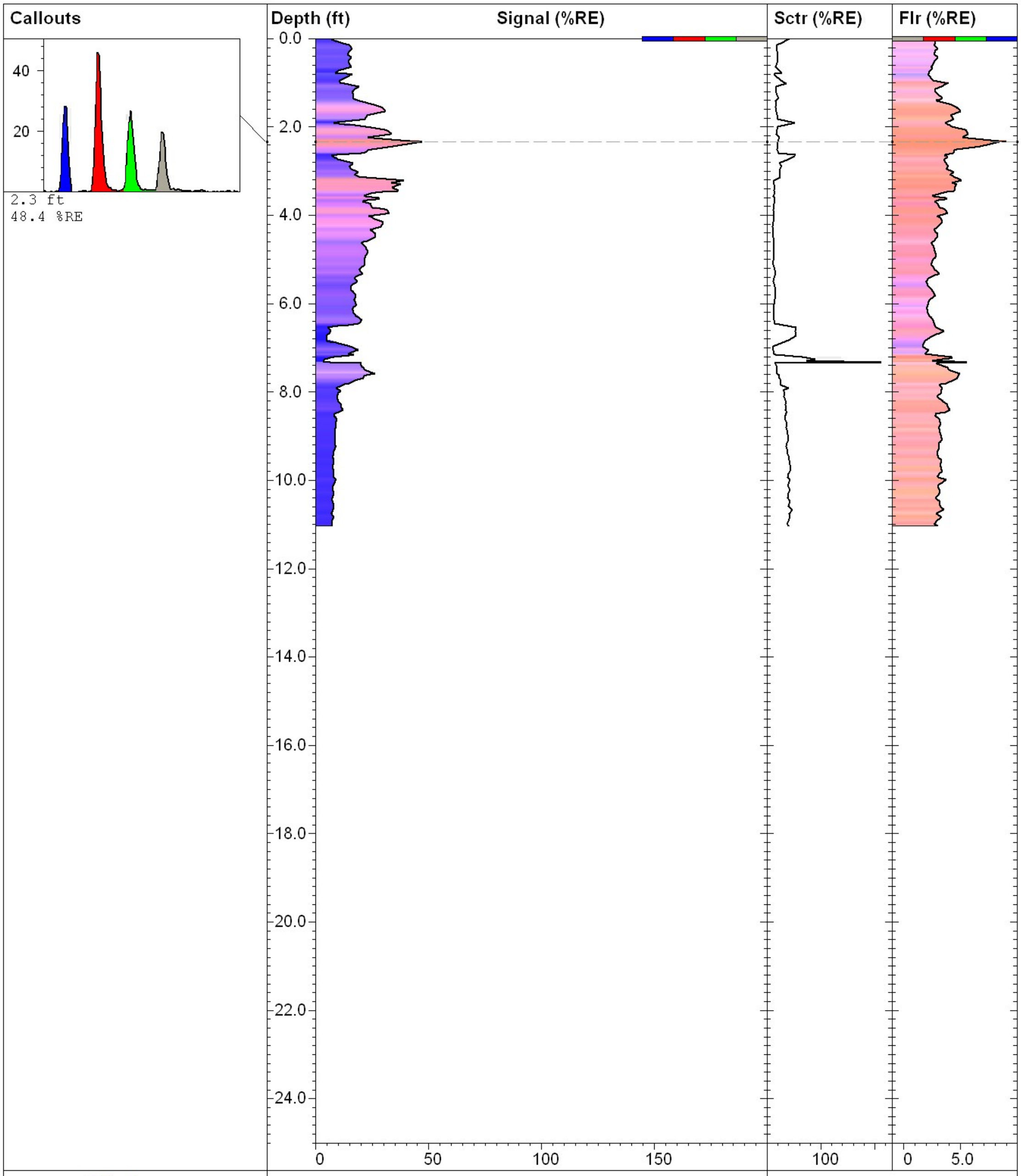
CRAW_TG022		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.273589 N / NAD83**	*Final depth:* **23.07 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.292243 W**	*Max signal:* **139.3 % @ 14.94 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **2/28/2007 3:30:58 PM**



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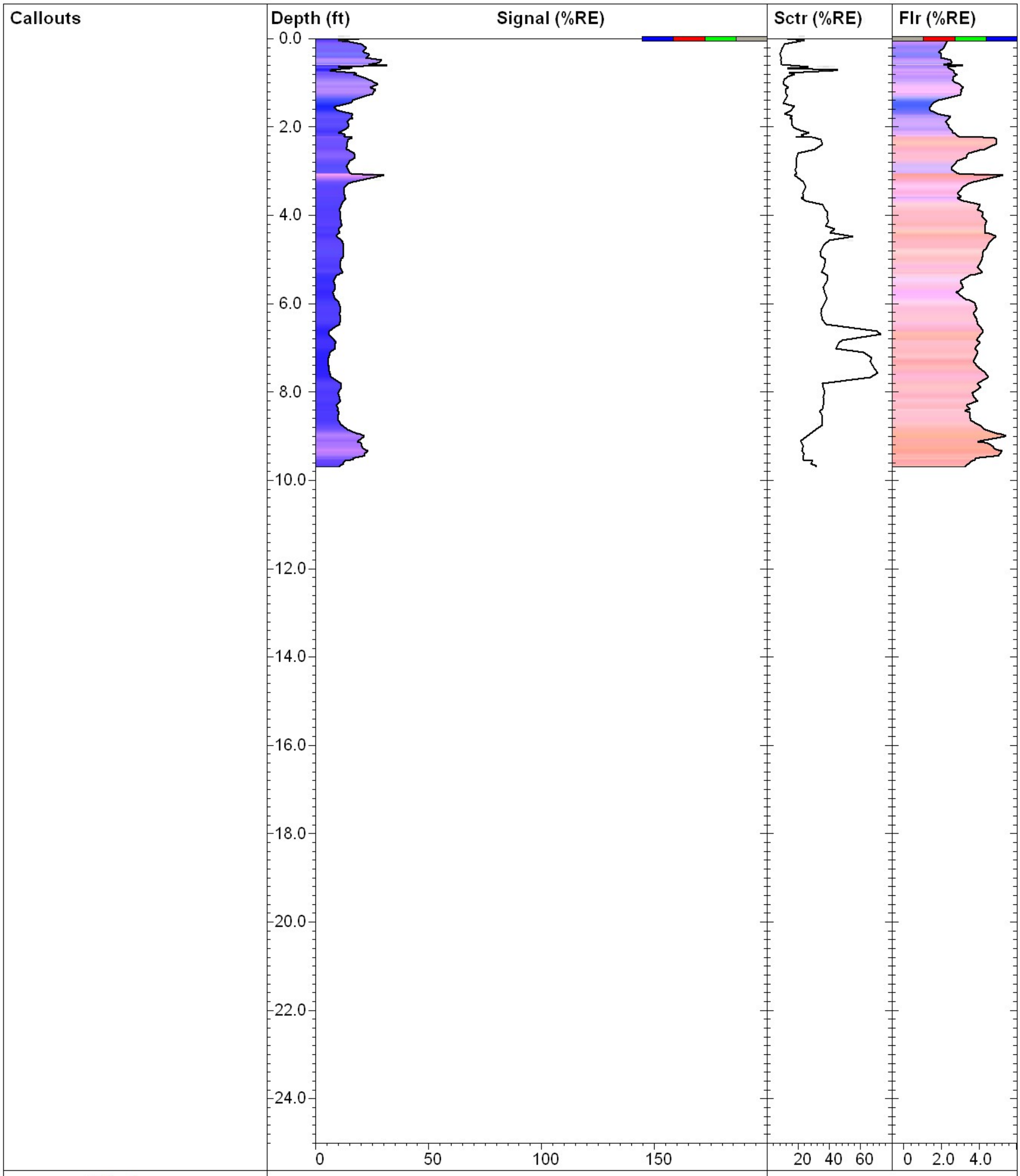
CRAW_TG023		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.265986 N / NAD83**	*Final depth:* **11.04 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.287449 W**	*Max signal:* **48.4 % @ 2.33 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/1/2007 2:56:06 PM**



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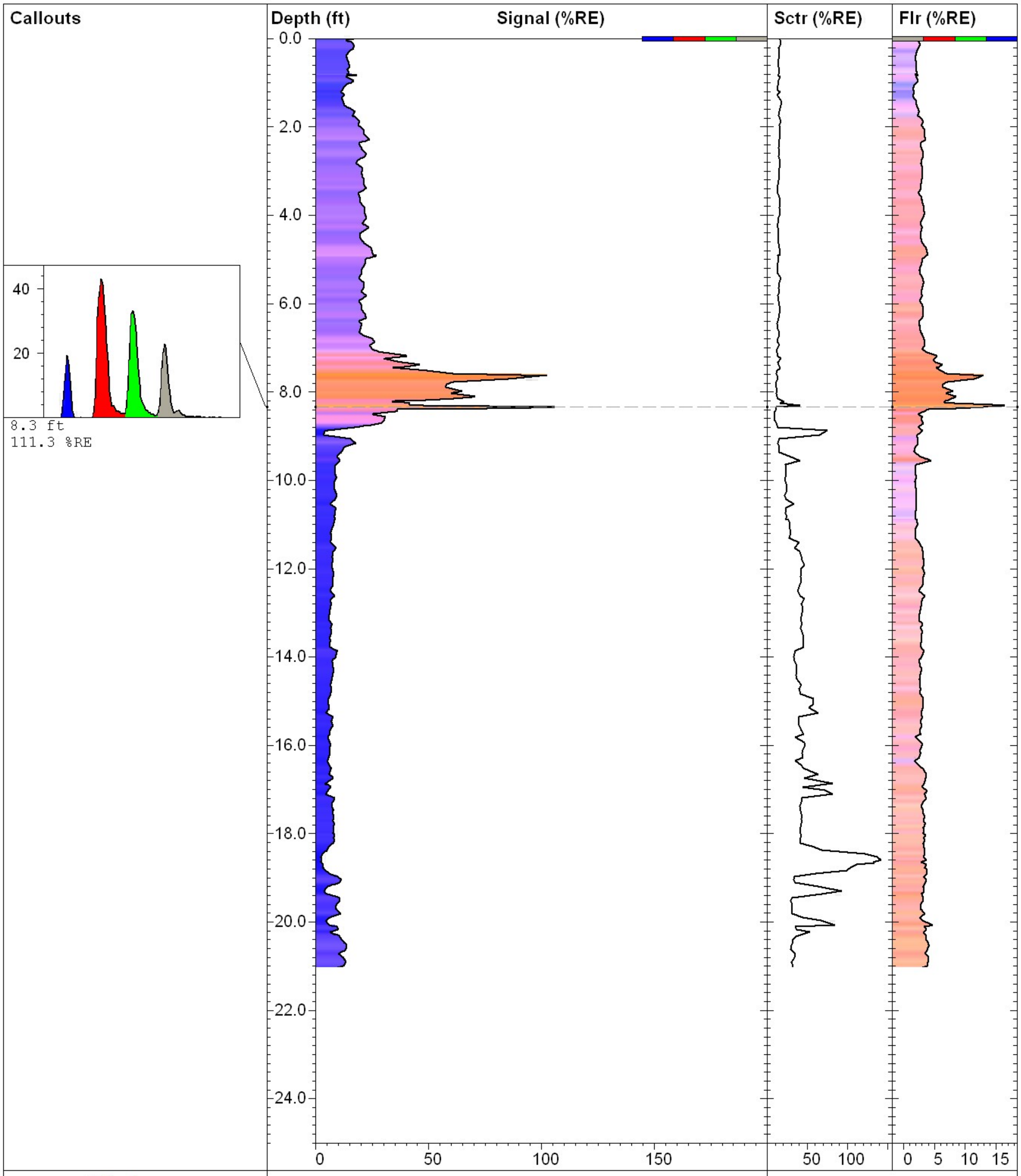
CRAW_TG024

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.286633 N / NAD83**	*Final depth:* **9.70 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.293893 W**	*Max signal:* **33.7 % @ 0.59 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/5/2007 9:40:18 AM**



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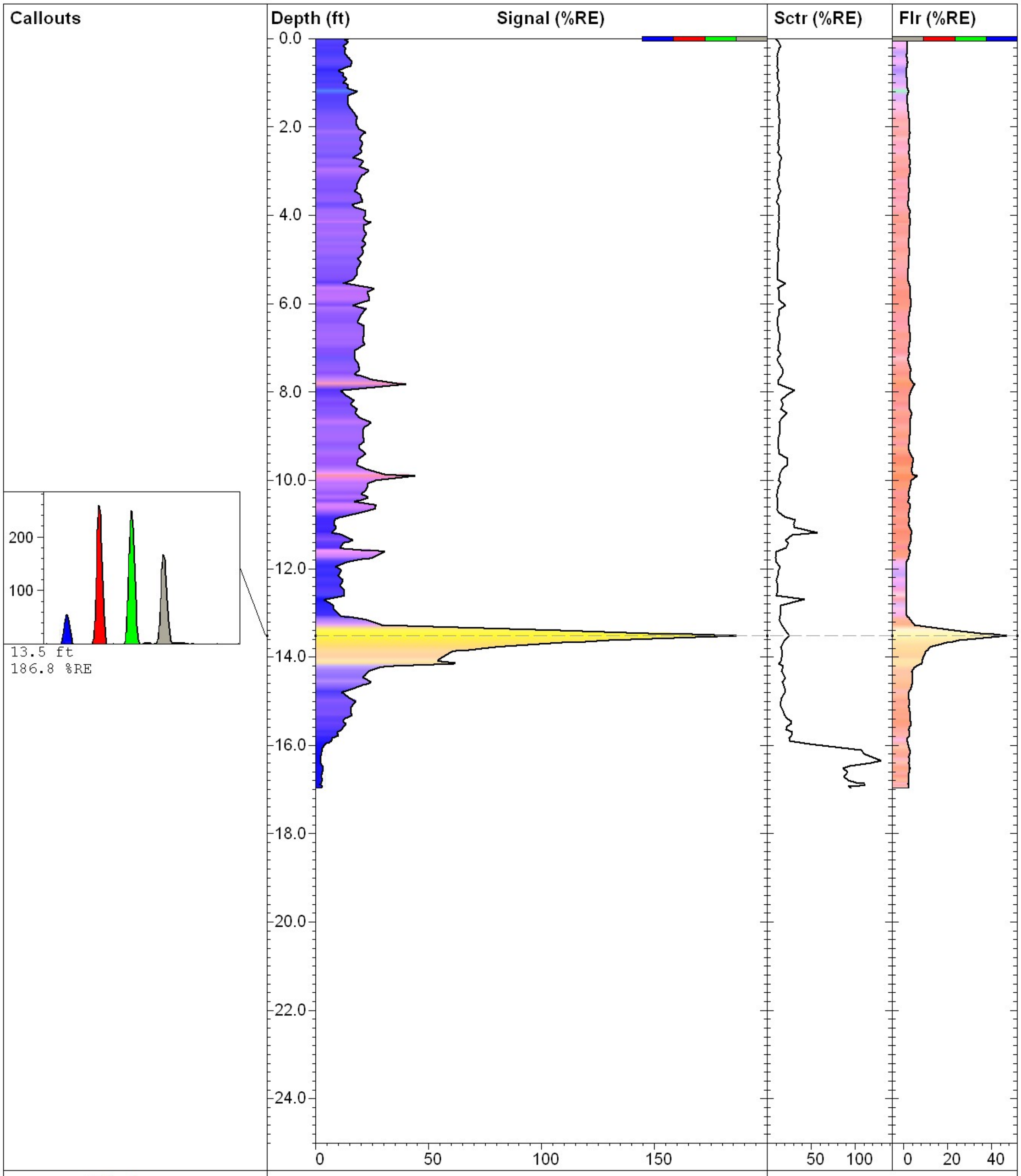
CRAW_TG025

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.281999 N / NAD83**	*Final depth:* **21.02 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.291727 W**	*Max signal:* **111.3 % @ 8.34 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/5/2007 10:17:05 AM**



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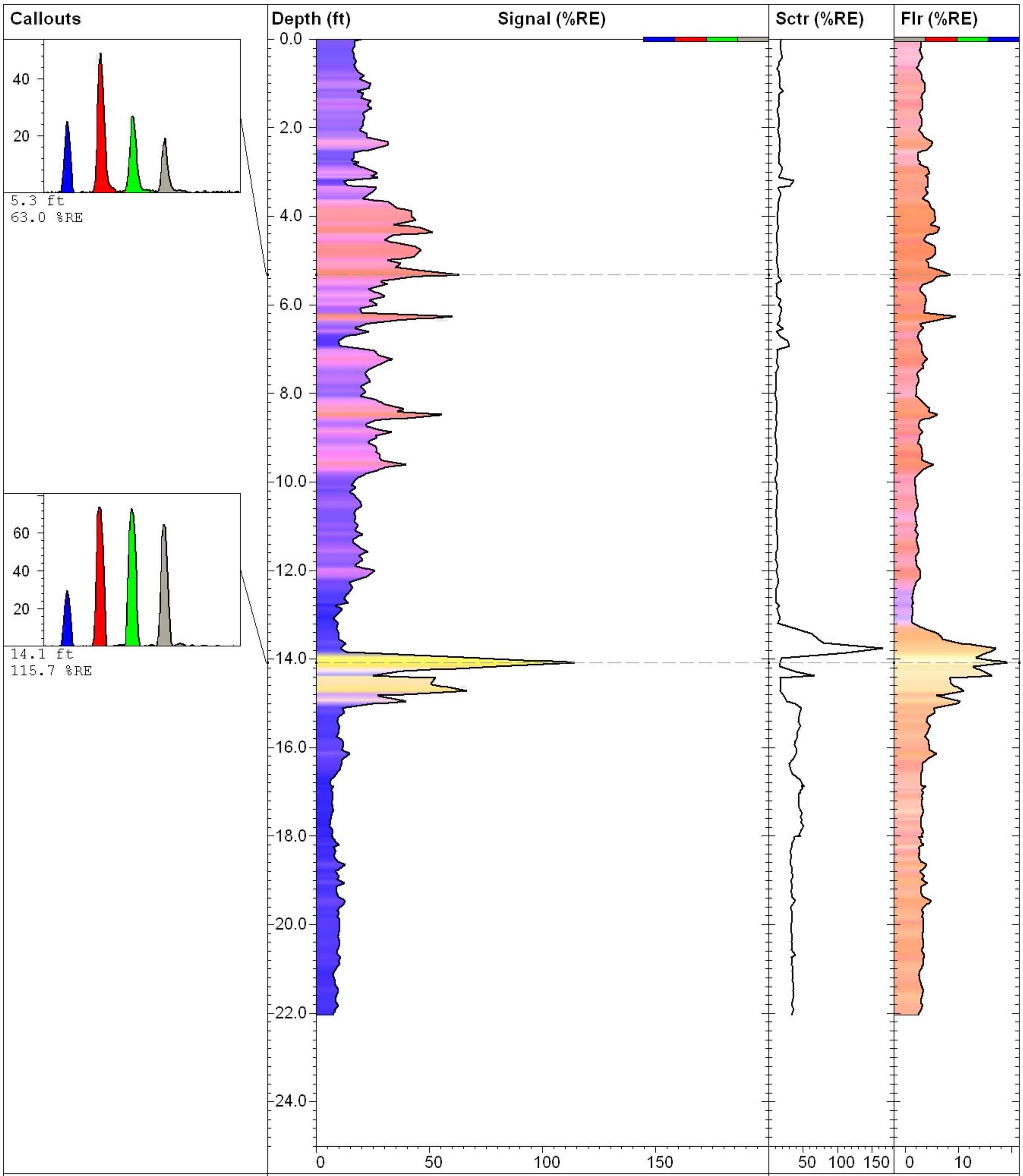
CRAW_TG026		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.278623 N / NAD83**	*Final depth:* **16.97 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.290738 W**	*Max signal:* **186.8 % @ 13.52 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/5/2007 11:01:31 AM**



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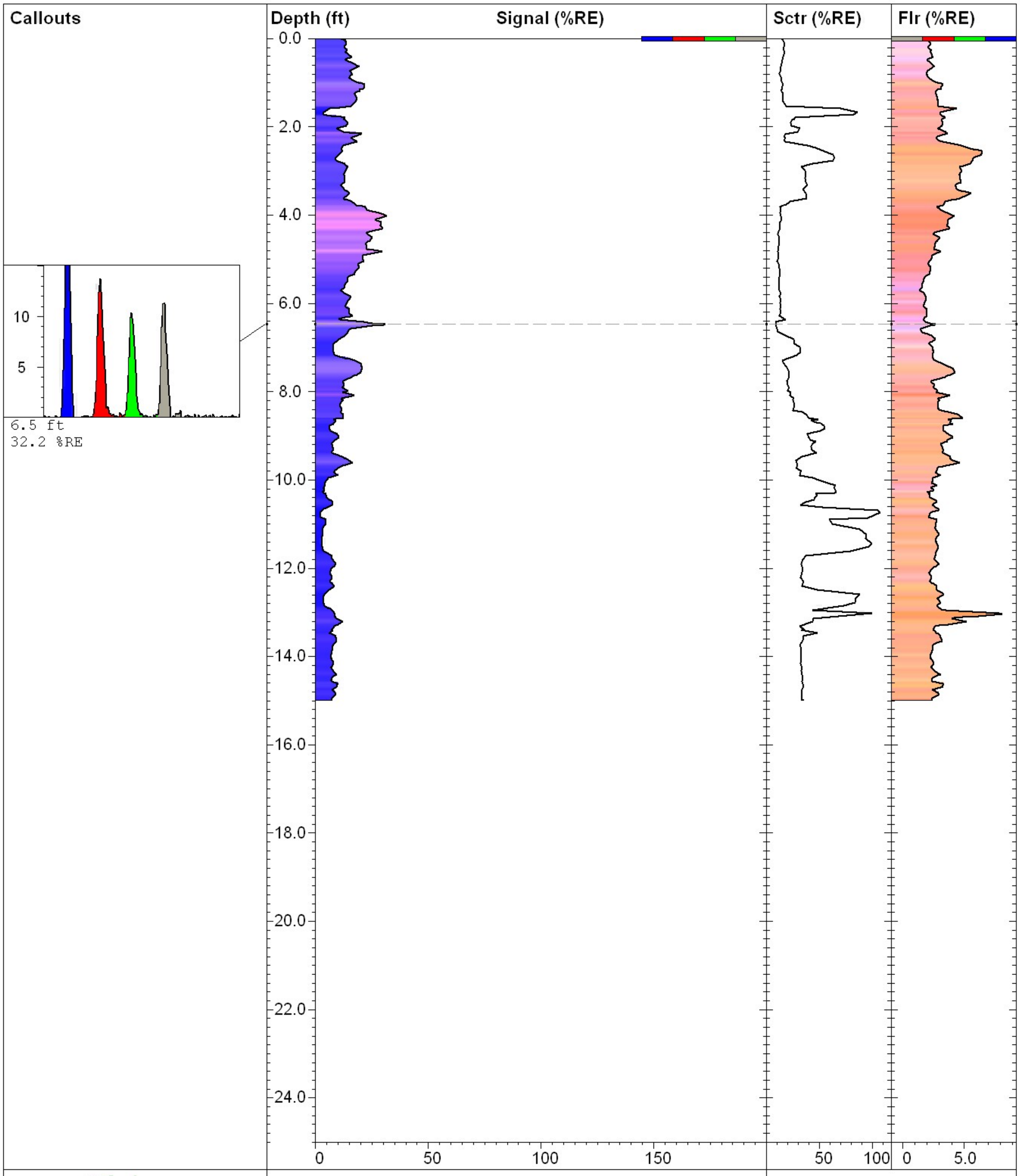
CRAW_TG027		TarGOST
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.274103 N / NAD83**	*Final depth:* **22.06 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.289506 W**	*Max signal:* **115.7 % @ 14.08 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/5/2007 12:08:59 PM**



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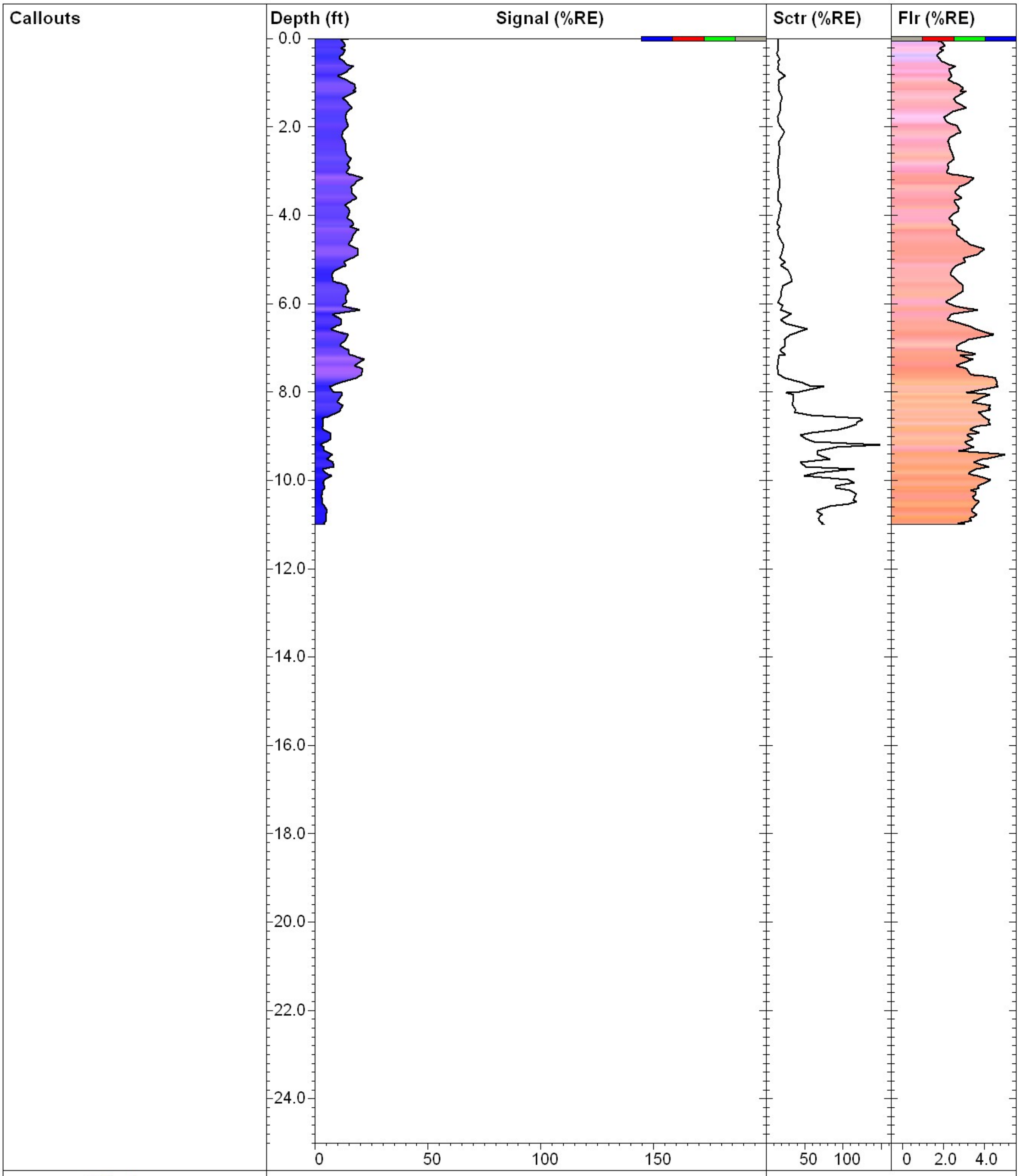
CRAW_TG028		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.267309 N / NAD83**	*Final depth:* **15.00 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.284205 W**	*Max signal:* **32.2 % @ 6.46 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/5/2007 1:25:06 PM**



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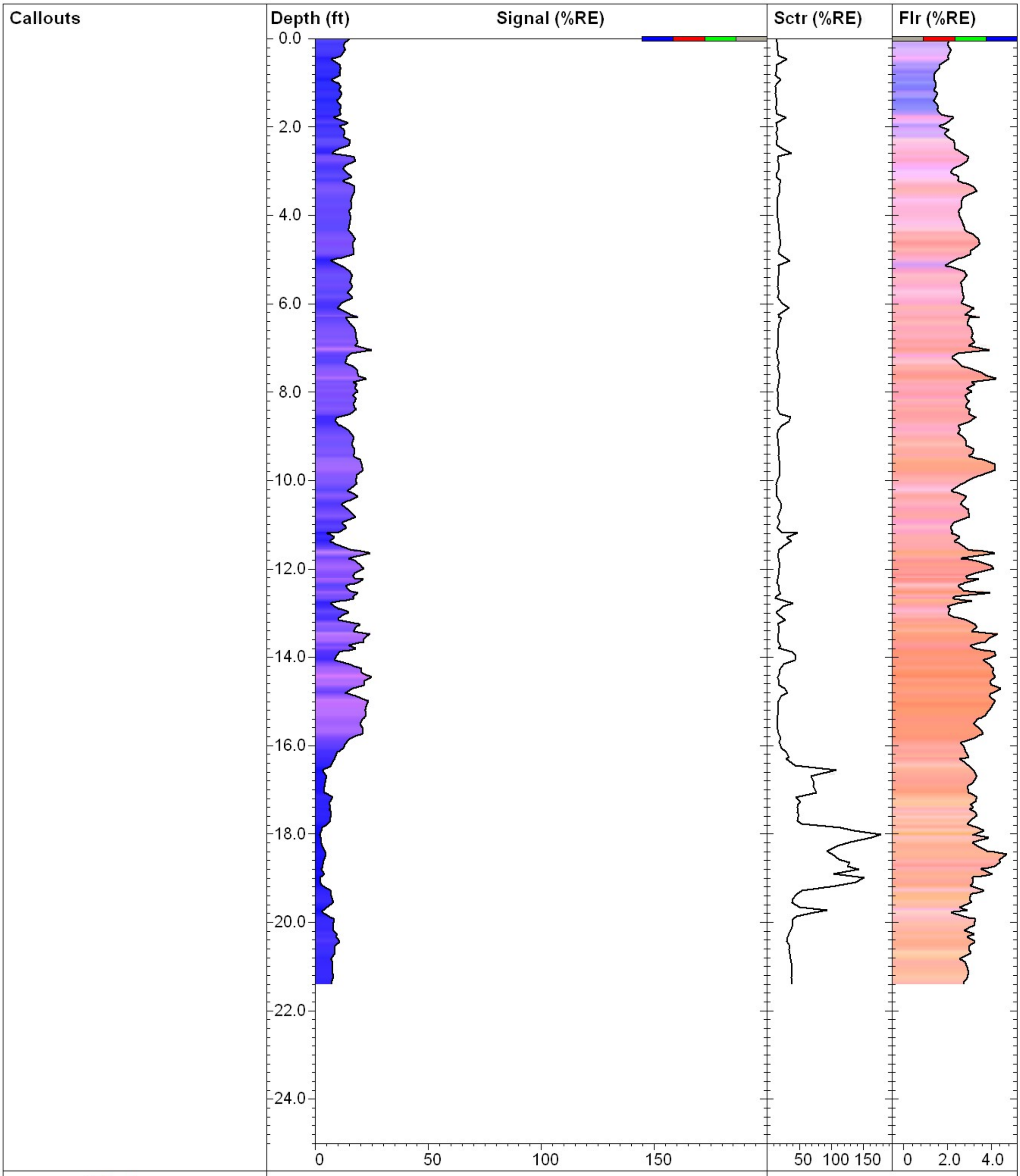
CRAW_TG029		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.289015 N / NAD83**	*Final depth:* **11.00 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.289554 W**	*Max signal:* **21.8 % @ 7.26 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/5/2007 2:15:33 PM**



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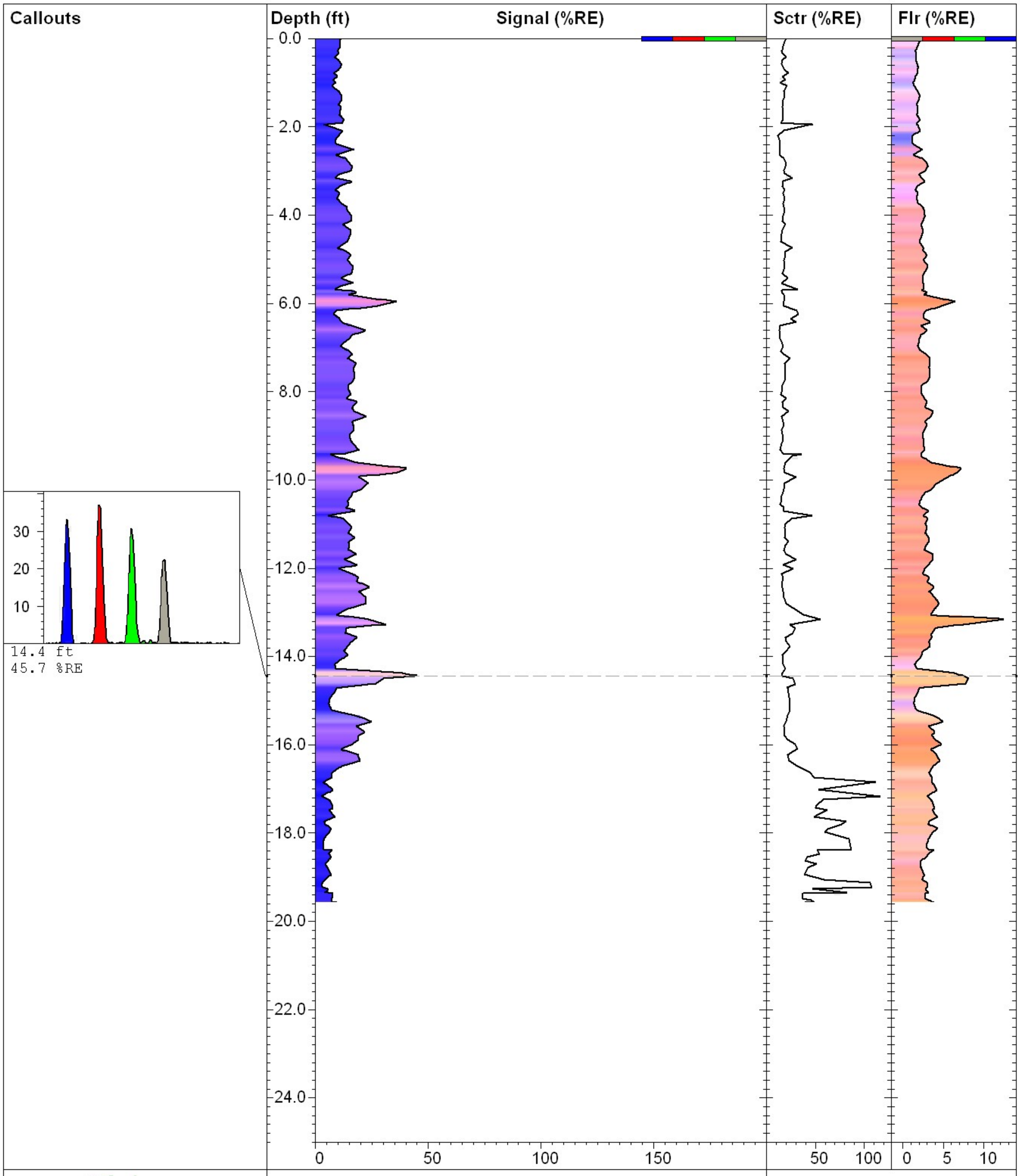
CRAW_TG030

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.284795 N / NAD83**	*Final depth:* **21.41 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.286888 W**	*Max signal:* **25.3 % @ 7.05 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/5/2007 2:59:14 PM**



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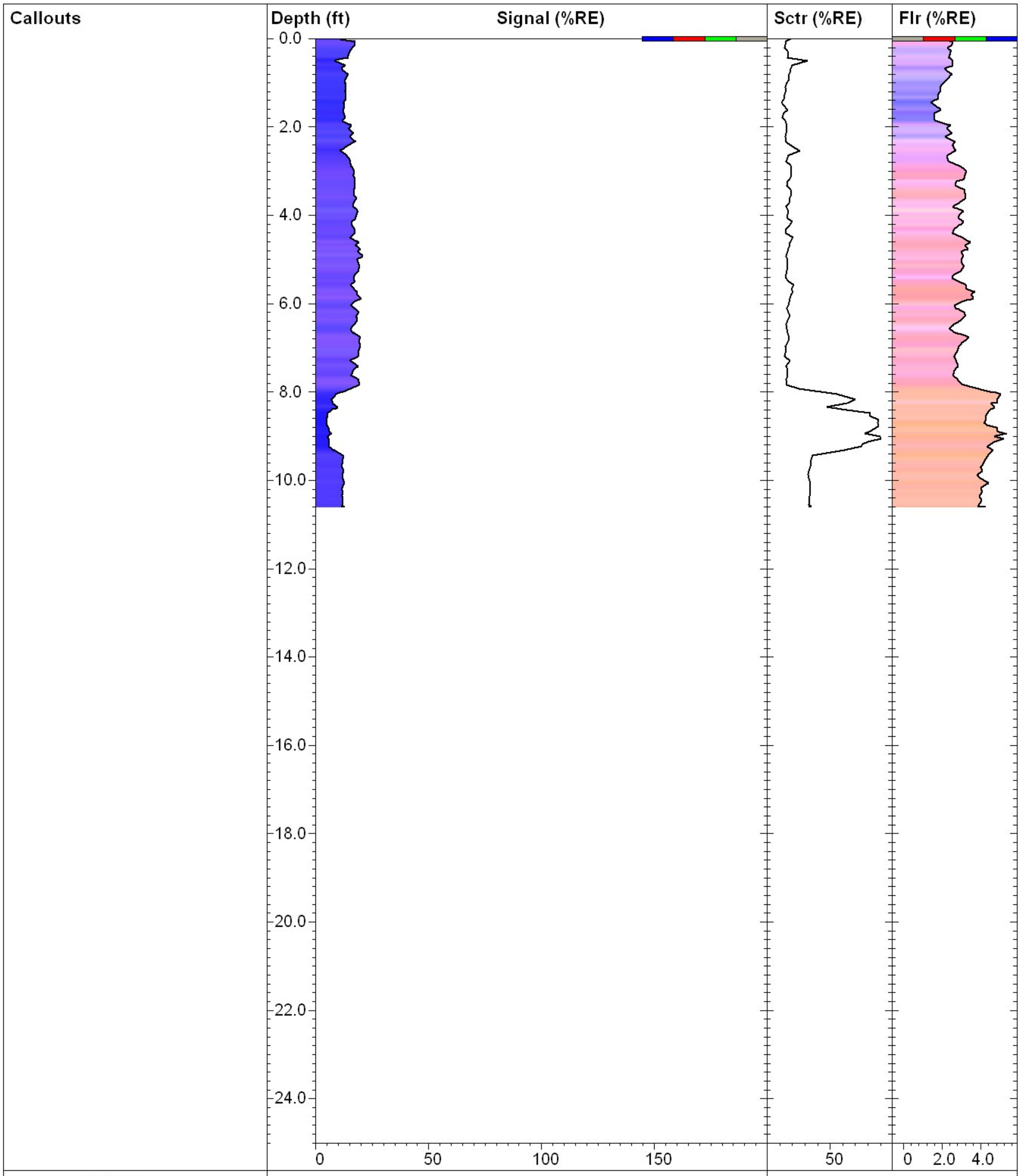
CRAW_TG031		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.280836 N / NAD83**	*Final depth:* **19.58 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.284989 W**	*Max signal:* **45.7 % @ 14.44 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/5/2007 3:40:29 PM**



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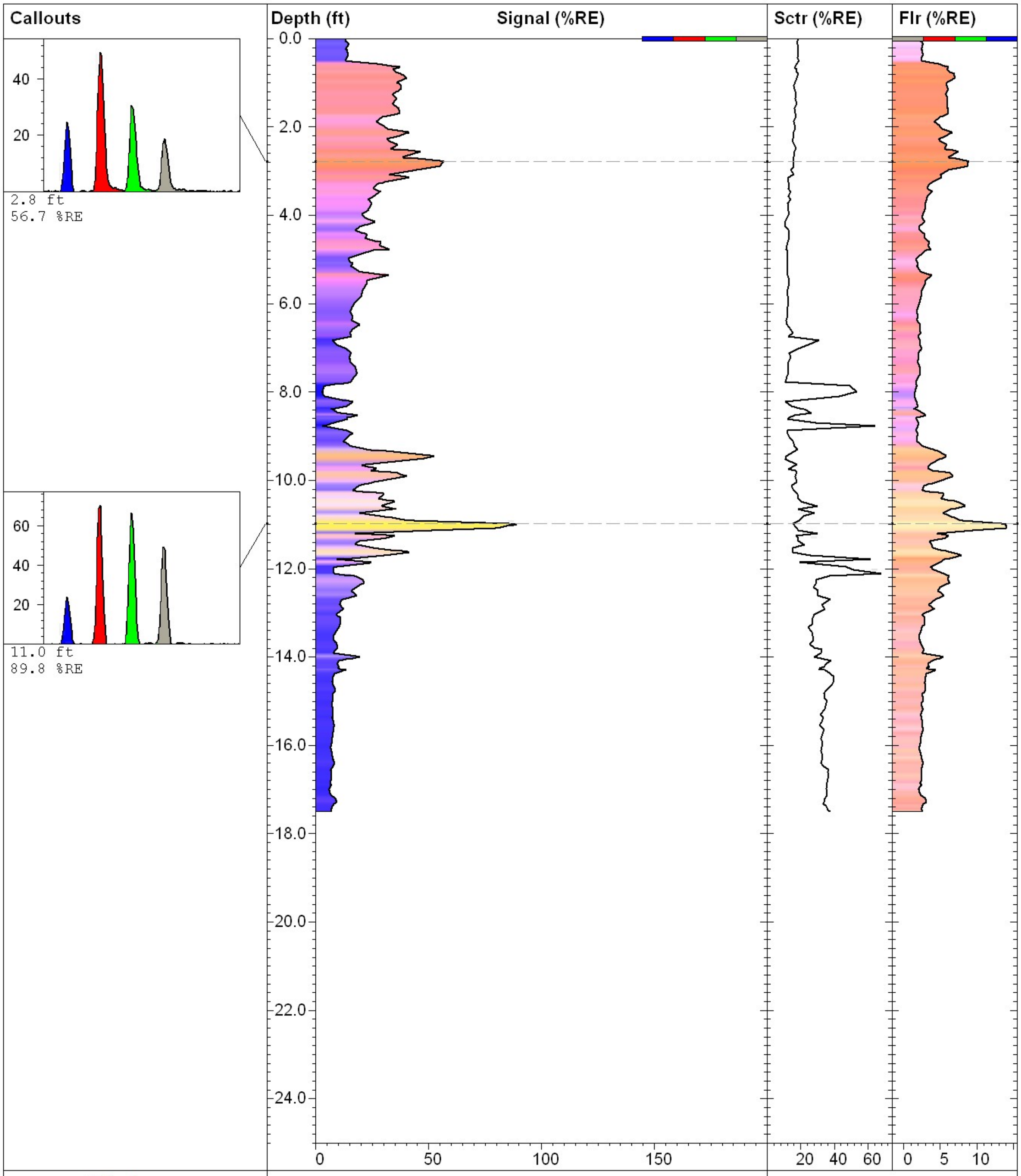
CRAW_TG032

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.289743 N / NAD83**	*Final depth:* **10.62 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.283719 W**	*Max signal:* **20.9 % @ 4.92 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/6/2007 9:28:00 AM**



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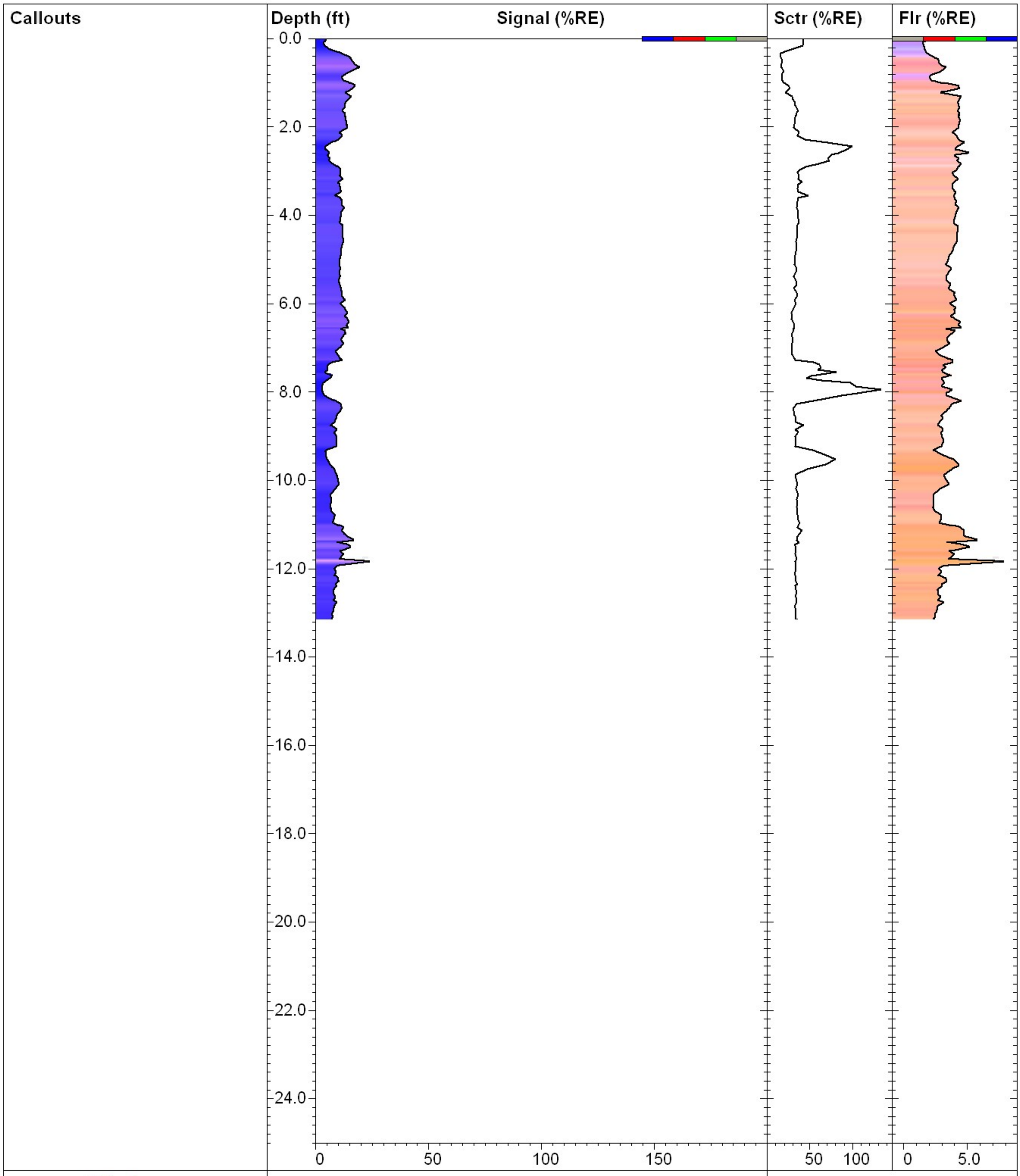
CRAW_TG033		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.283662 N / NAD83**	*Final depth:* **17.51 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.256817 W**	*Max signal:* **89.8 % @ 10.98 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/6/2007 10:14:04 AM**



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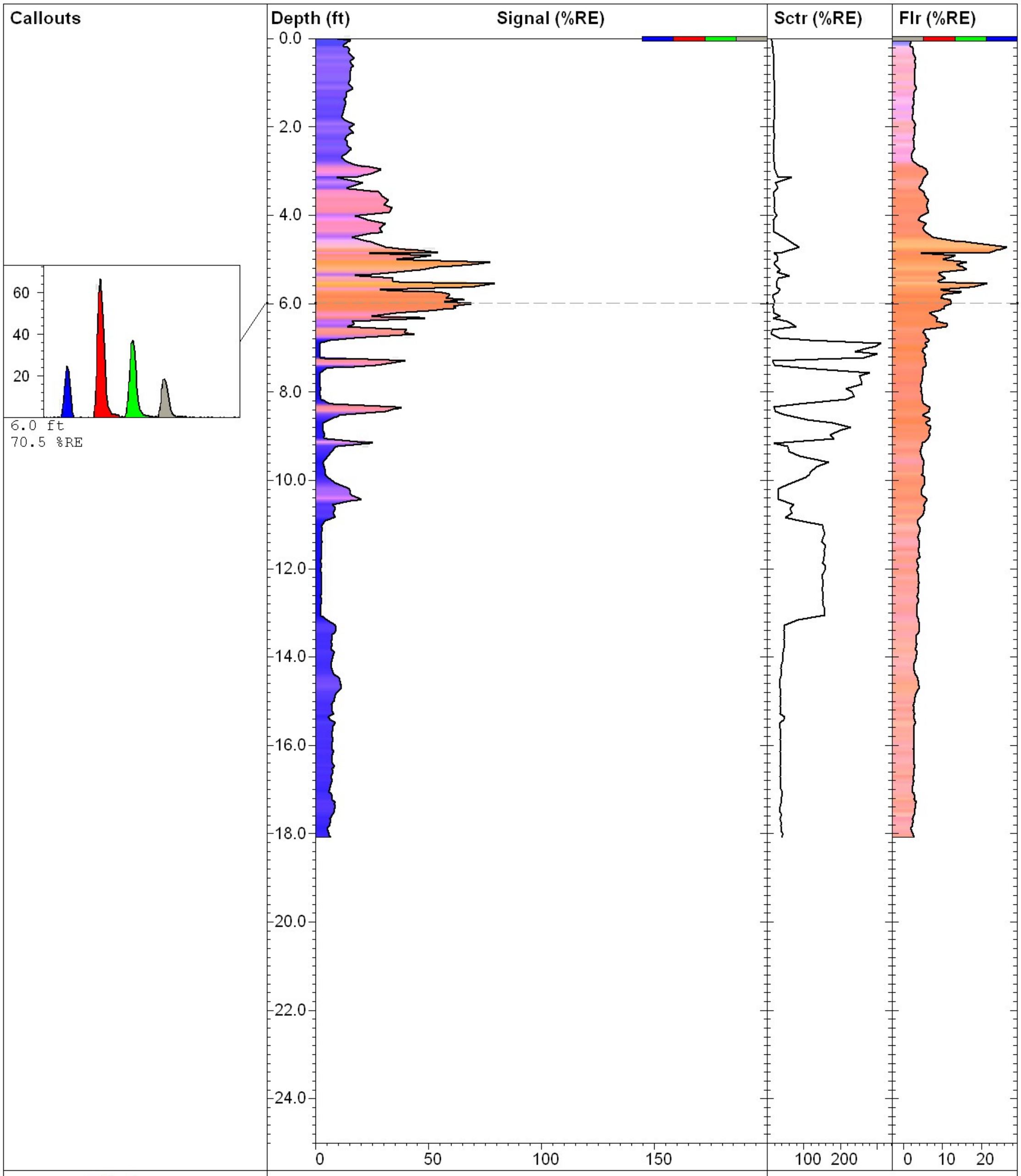
CRAW_TG034

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.298229 N / NAD83**	*Final depth:* **13.16 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.257513 W**	*Max signal:* **24.4 % @ 11.84 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/6/2007 10:57:54 AM**



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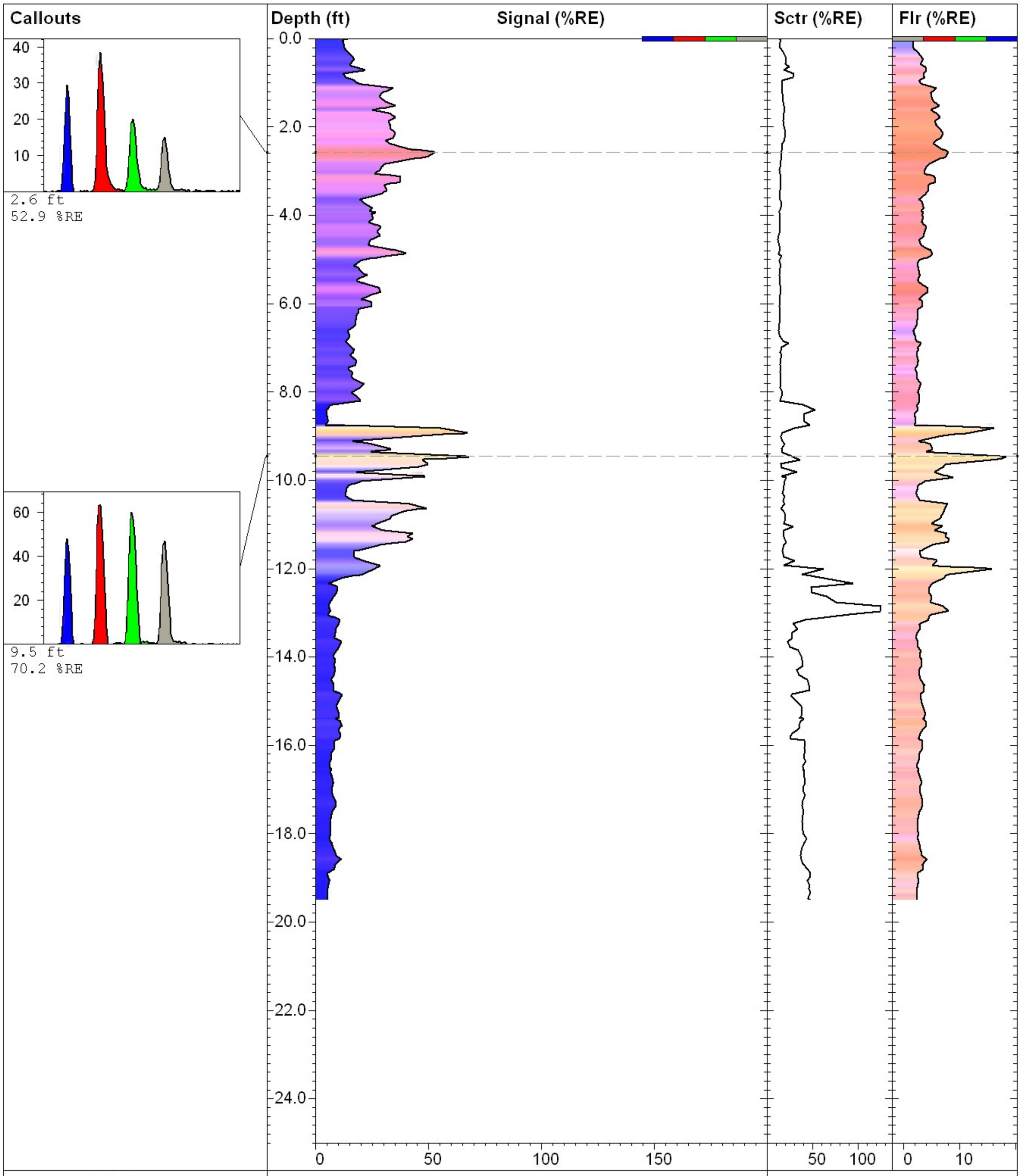
CRAW_TG035		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.292431 N / NAD83**	*Final depth:* **18.09 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.256206 W**	*Max signal:* **79.3 % @ 5.55 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/6/2007 11:51:18 AM**



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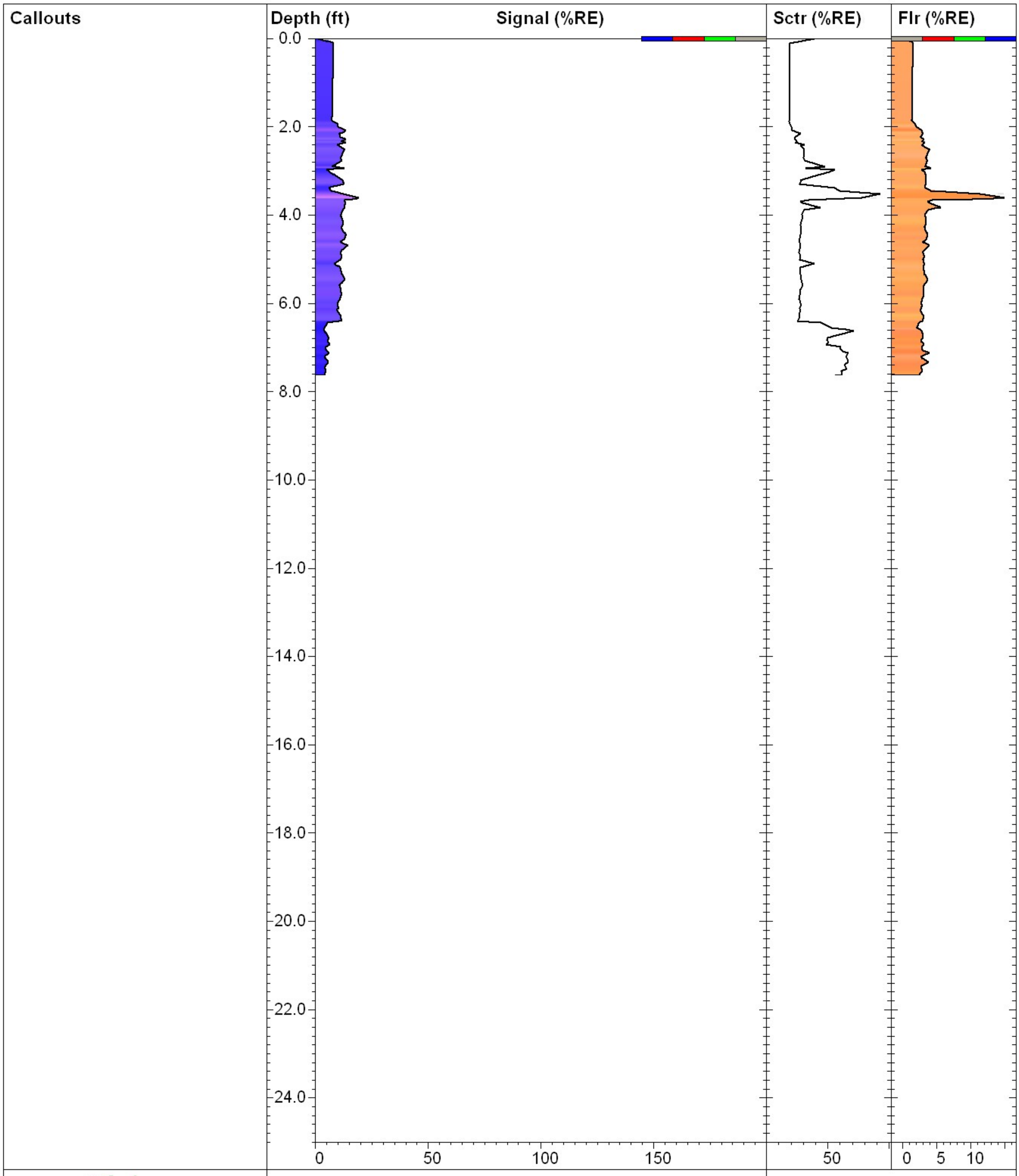
CRAW_TG036		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.284132 N / NAD83**	*Final depth:* **19.50 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.251210 W**	*Max signal:* **70.2 % @ 9.46 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/6/2007 1:17:40 PM**



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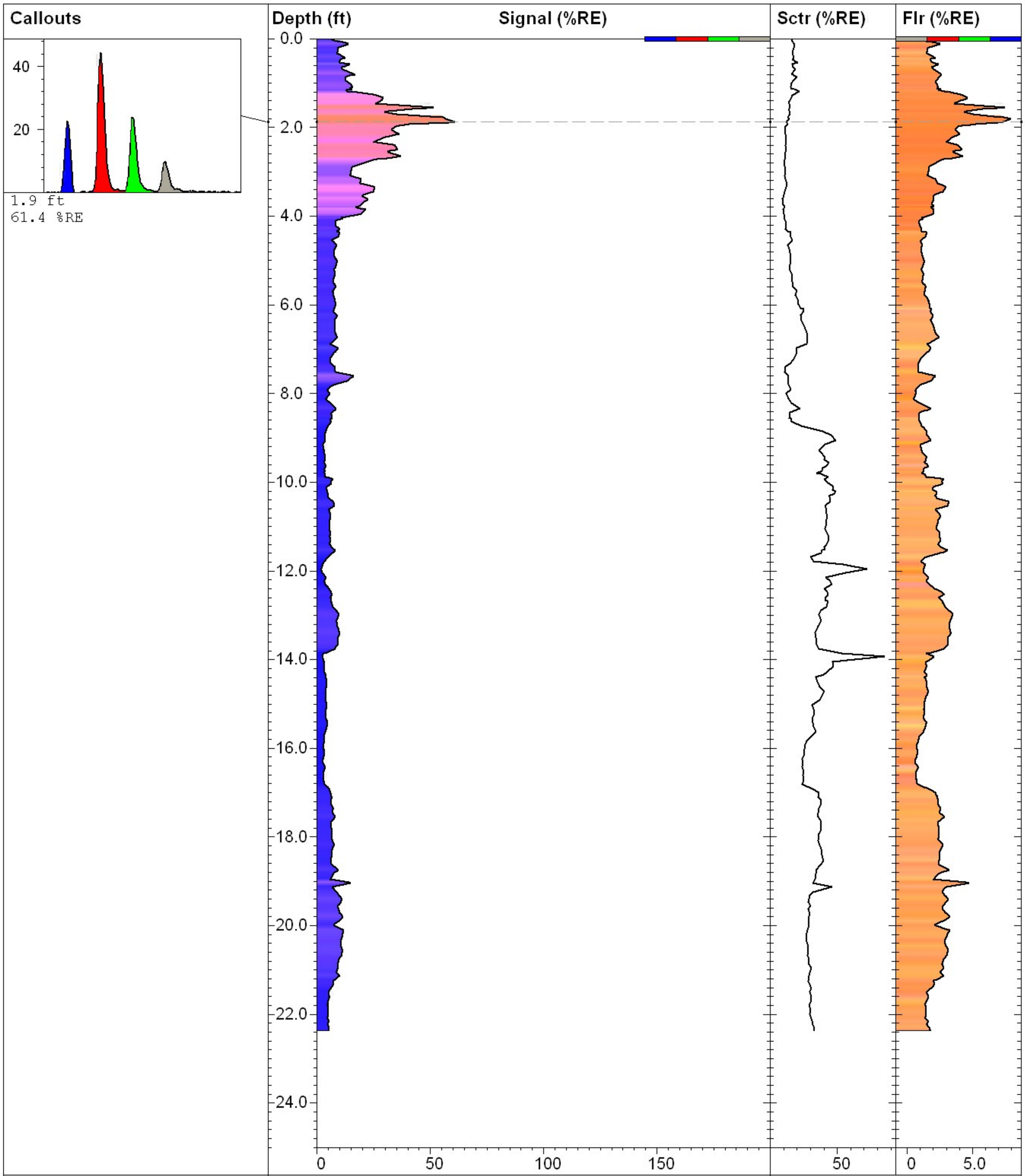
CRAW_TG037

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.300970 N / NAD83**	*Final depth:* **7.64 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.245190 W**	*Max signal:* **19.4 % @ 3.61 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/6/2007 3:27:08 PM**



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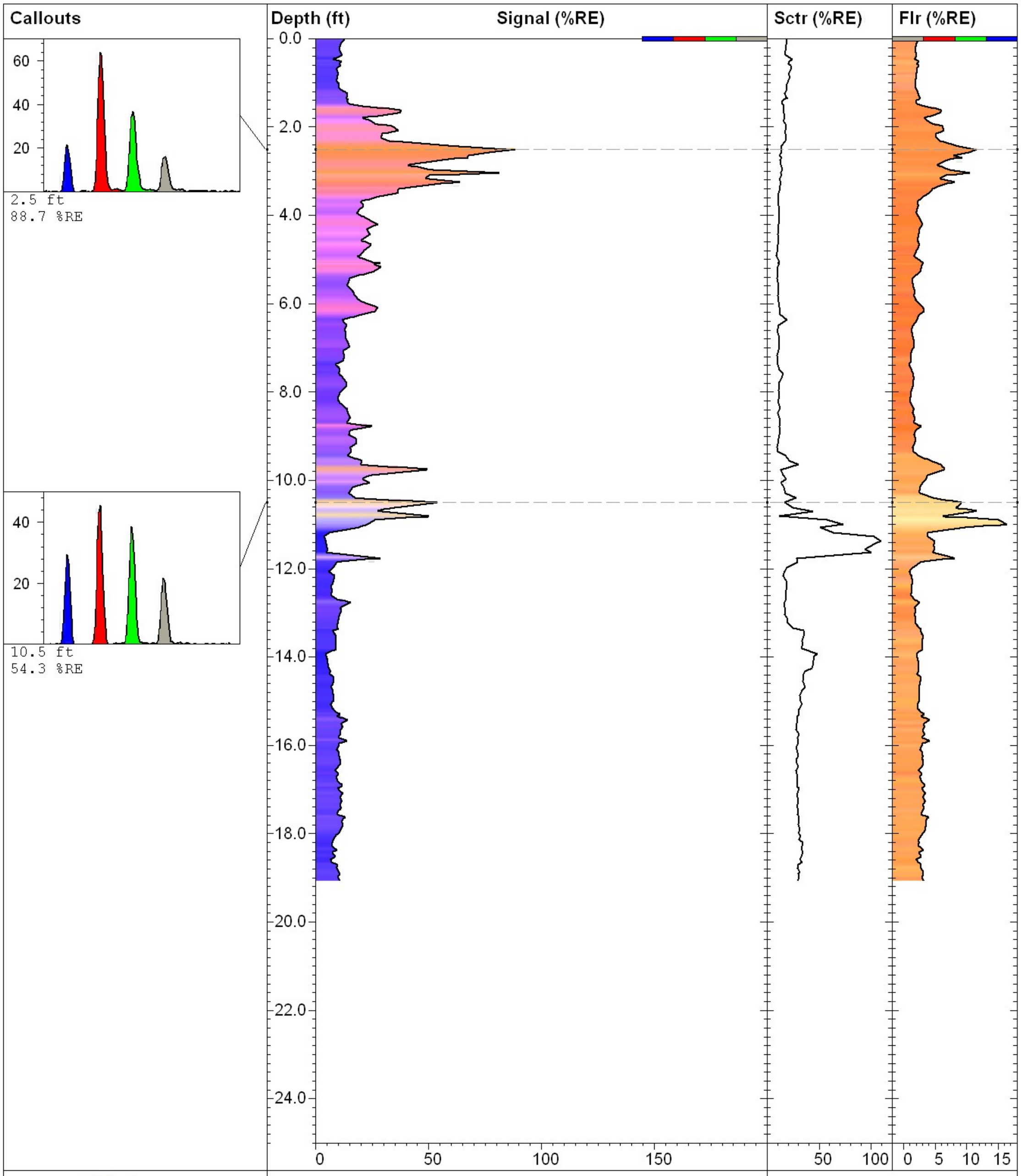
CRAW_TG038

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.298148 N / NAD83**	*Final depth:* **22.38 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.240311 W**	*Max signal:* **61.4 % @ 1.88 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/7/2007 9:13:21 AM**



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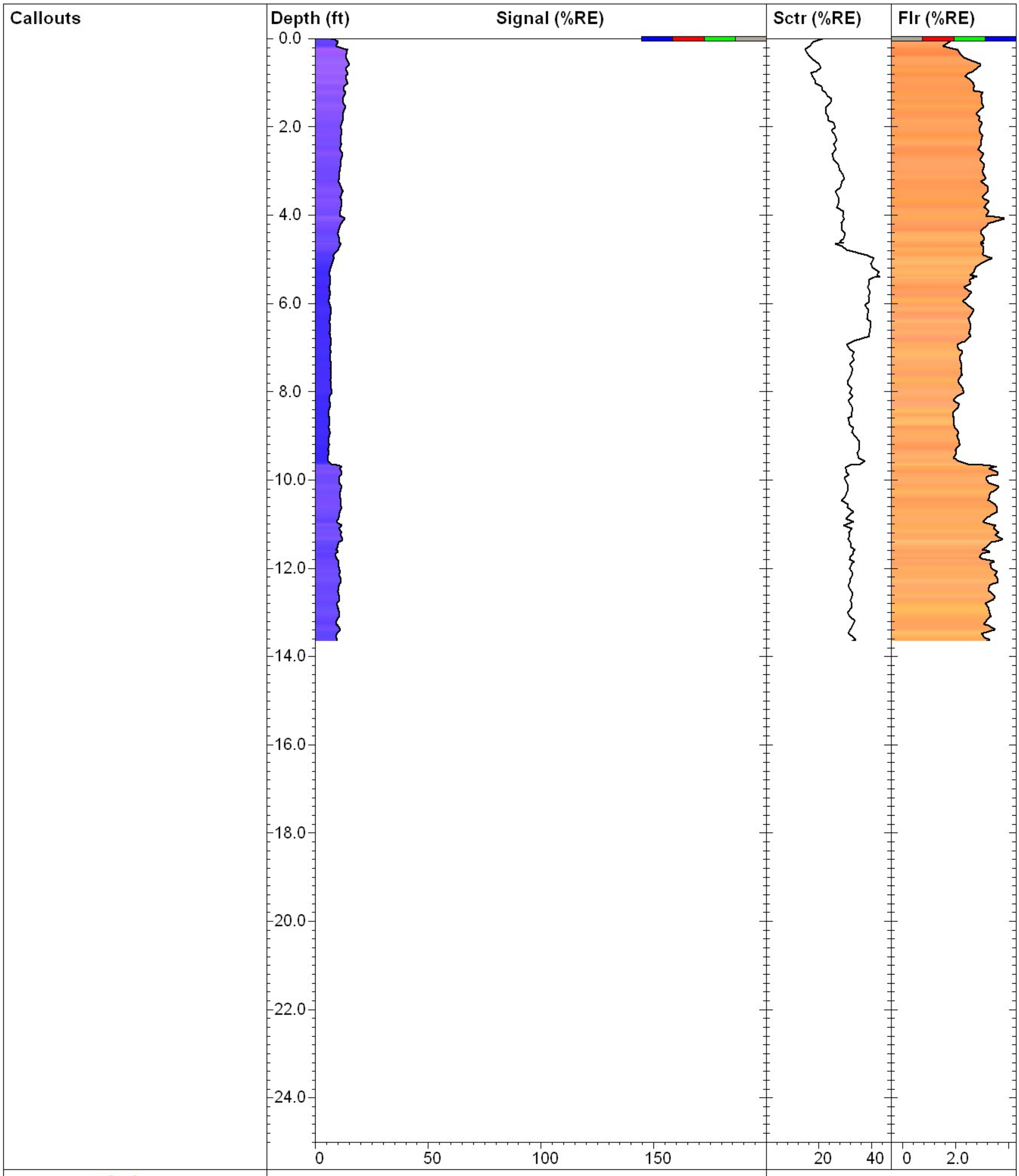
CRAW_TG039		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.290210 N / NAD83**	*Final depth:* **19.08 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 44.236920 W**	*Max signal:* **88.7 % @ 2.51 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/7/2007 10:10:27 AM**



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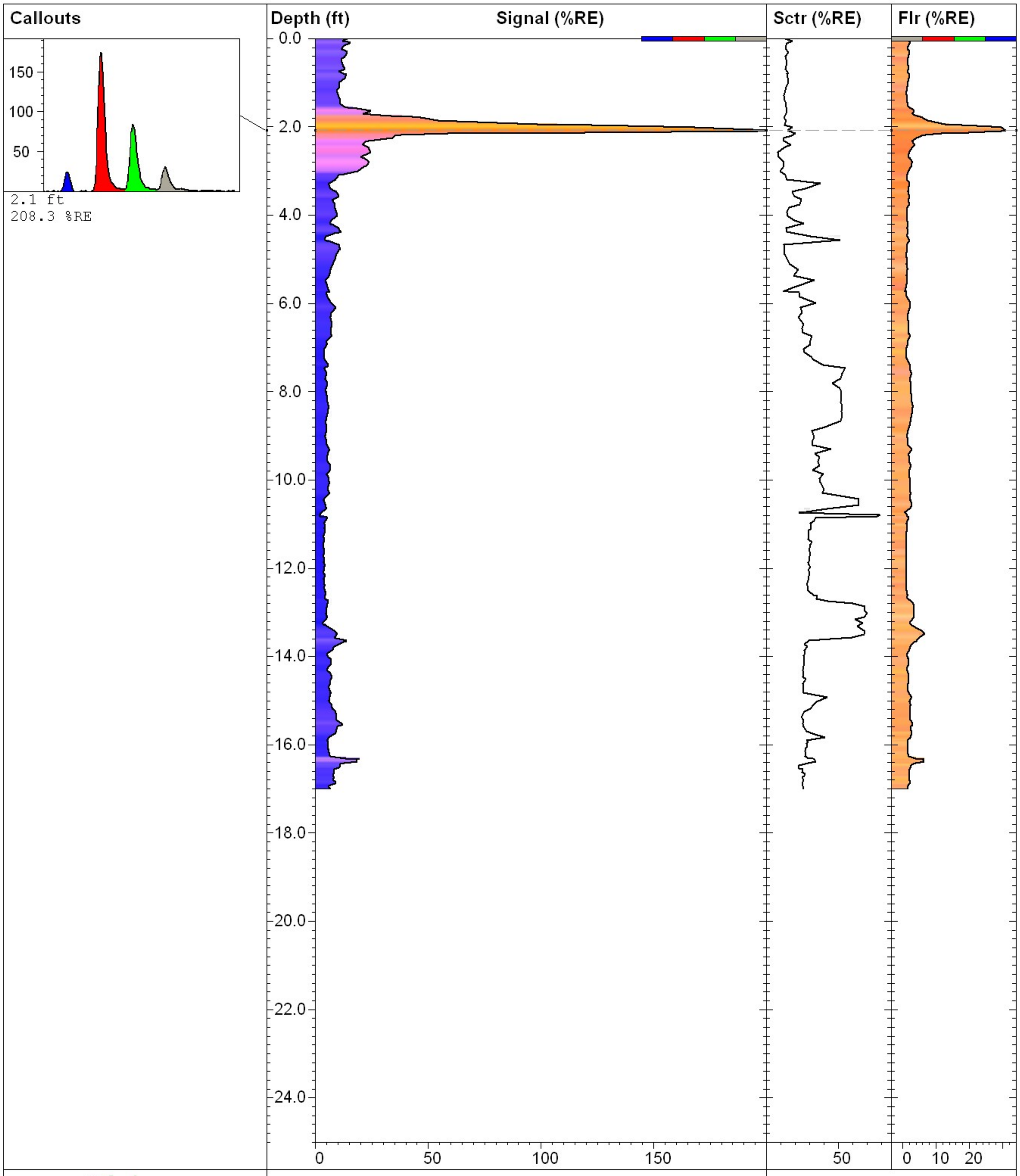
CRAW_TG040

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.490964 N / NAD83**	*Final depth:* **13.66 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.656123 W**	*Max signal:* **15.0 % @ 0.58 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/7/2007 11:10:45 AM**



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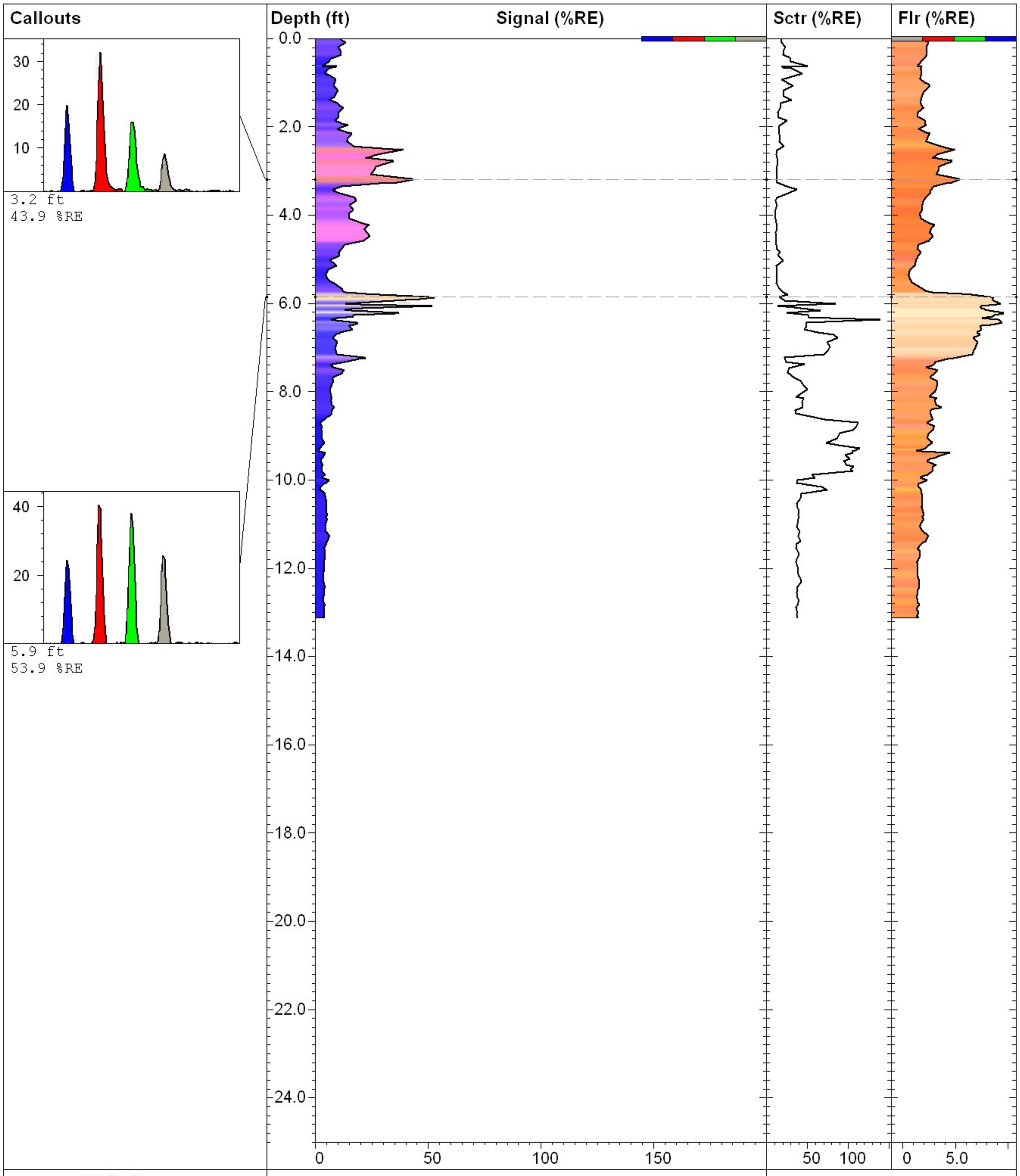
CRAW_TG041		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.484256 N / NAD83**	*Final depth:* **17.01 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.651941 W**	*Max signal:* **208.3 % @ 2.09 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/7/2007 11:52:35 AM**



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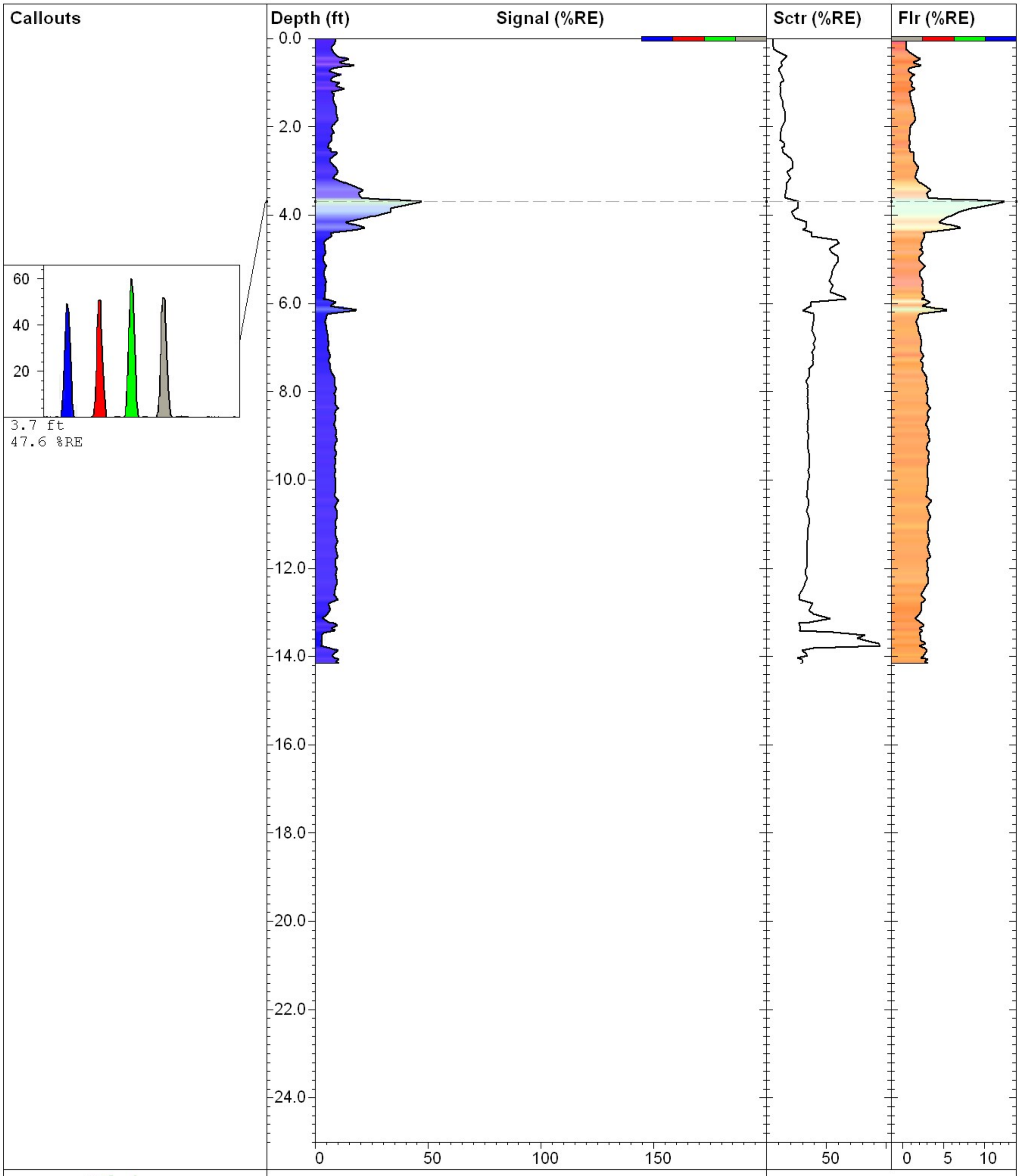
CRAW_TG042		TarGOST
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.475781 N / NAD83**	*Final depth:* **13.13 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.648746 W**	*Max signal:* **54.0 % @ 6.06 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/7/2007 1:24:24 PM**



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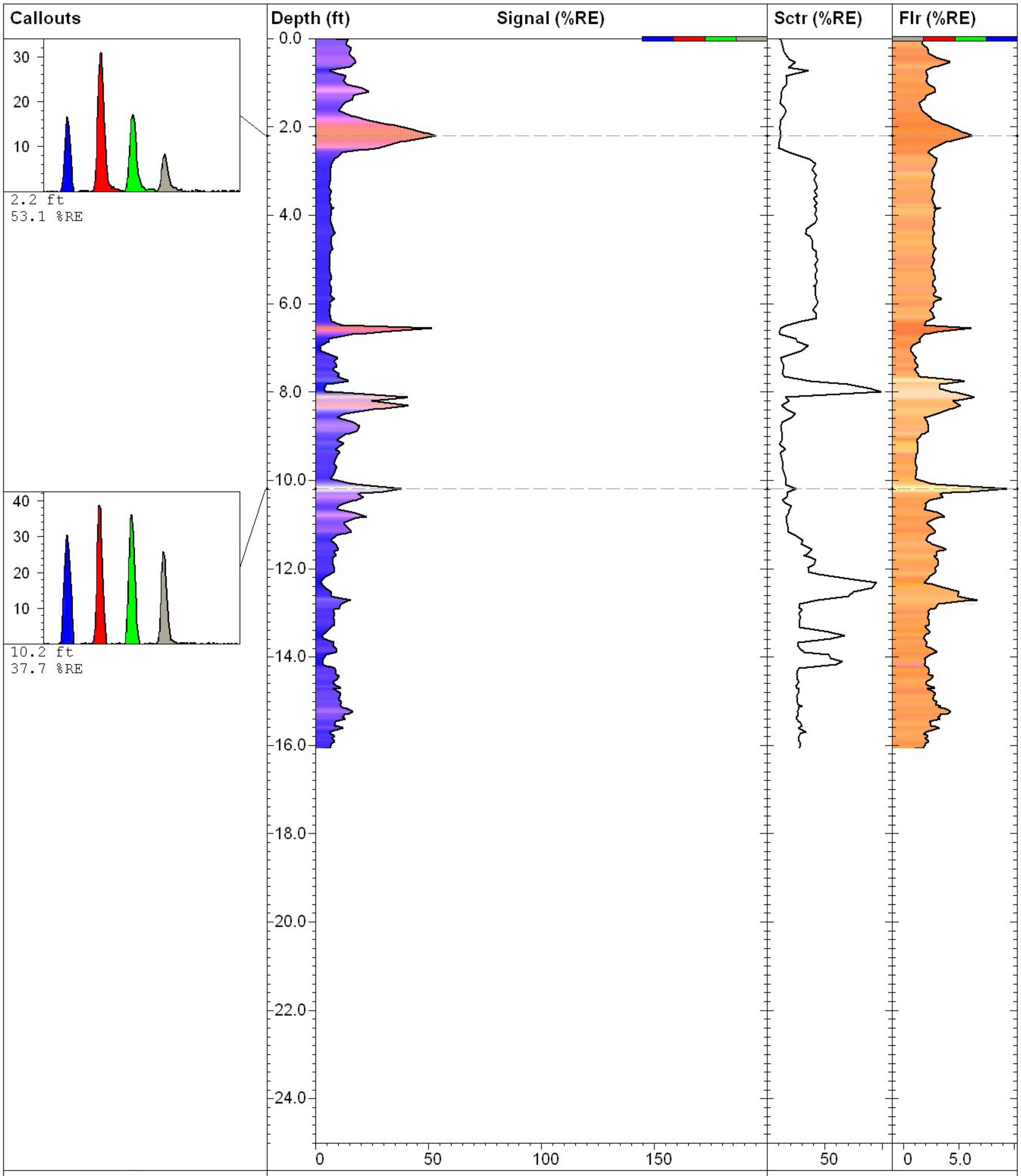
CRAW_TG043		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.491779 N / NAD83**	*Final depth:* **14.16 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.646496 W**	*Max signal:* **47.6 % @ 3.70 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/7/2007 2:15:09 PM**



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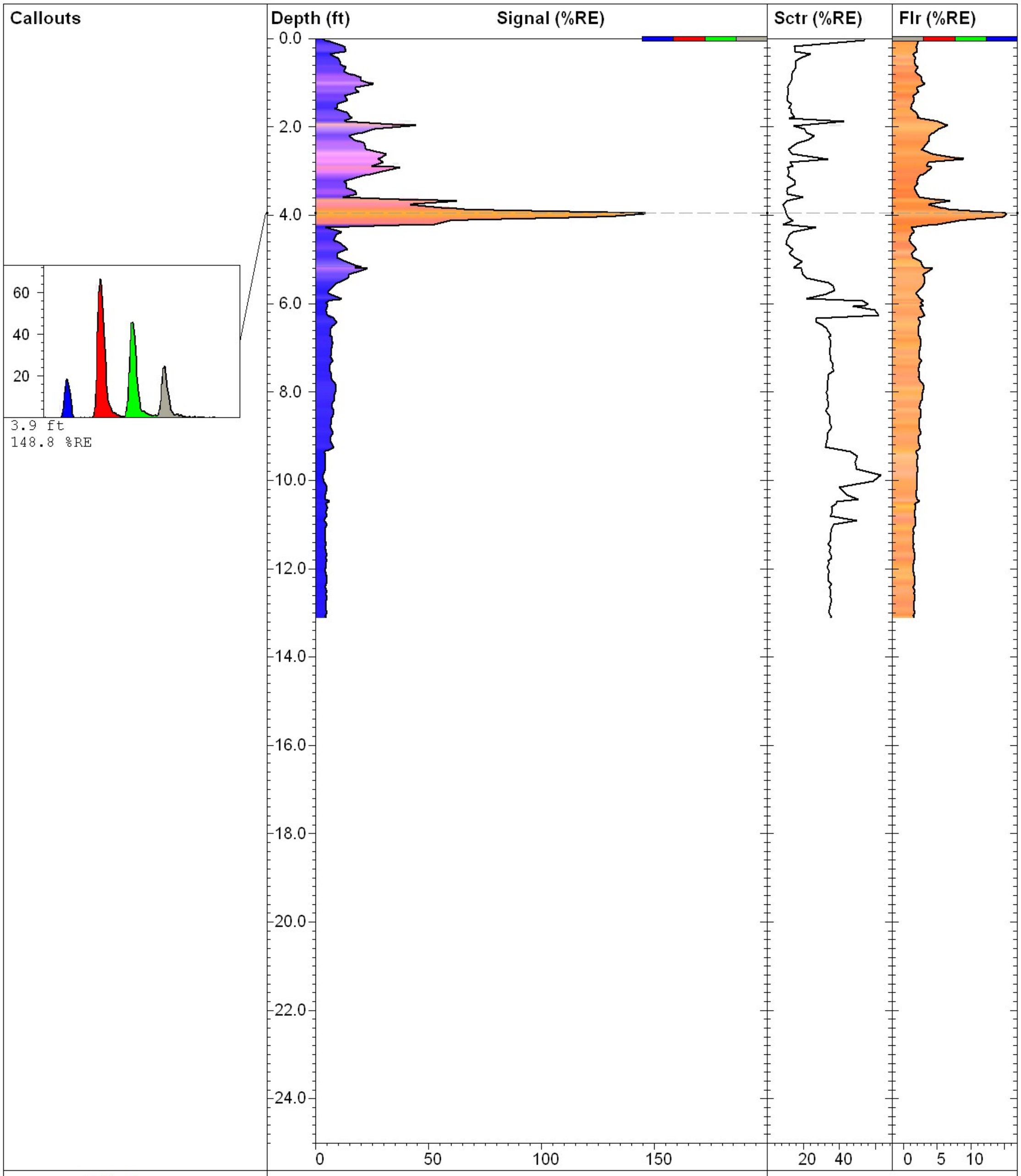
CRAW_TG044		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.486227 N / NAD83**	*Final depth:* **16.07 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.642067 W**	*Max signal:* **53.1 % @ 2.20 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/7/2007 3:02:00 PM**



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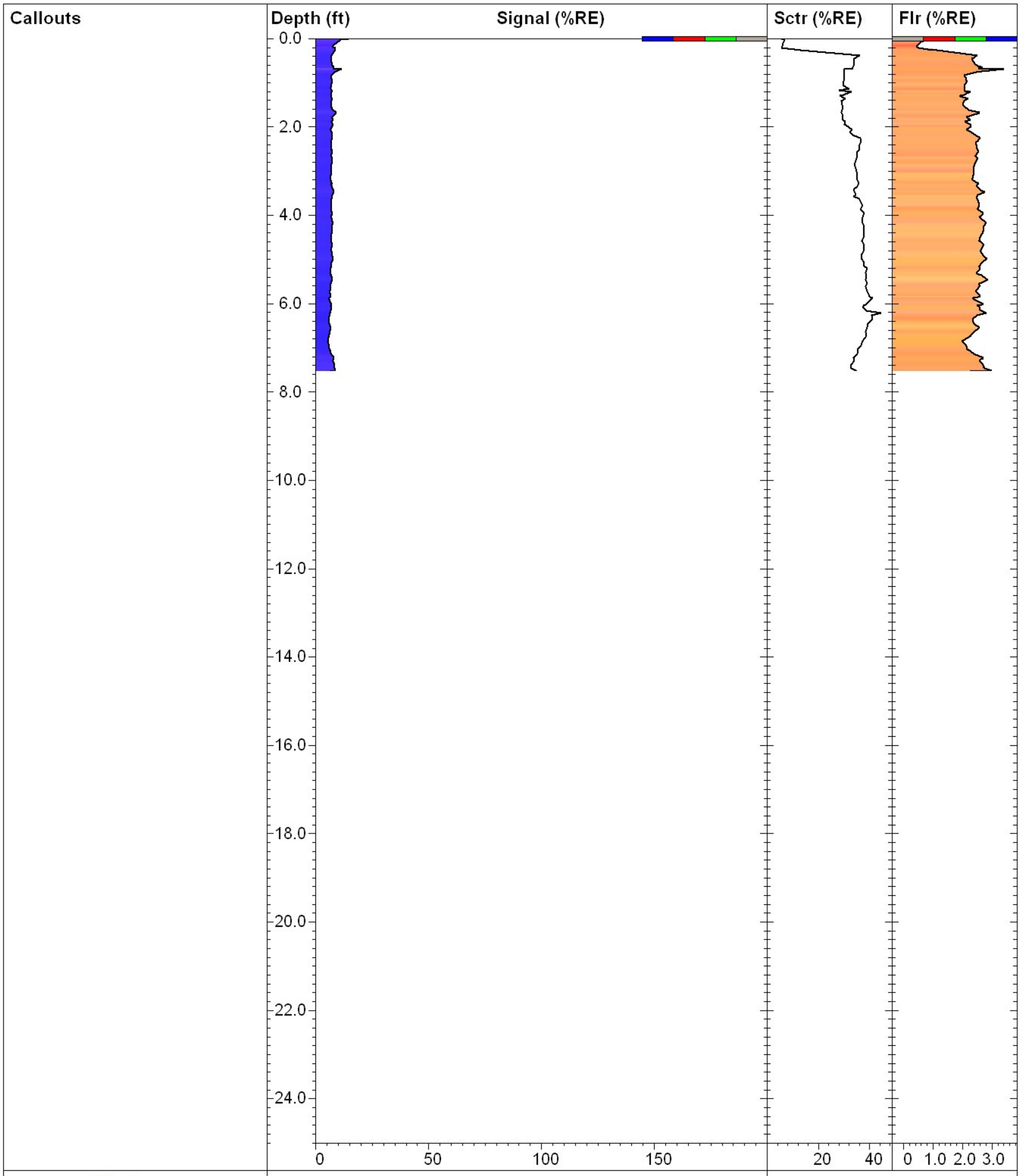
CRAW_TG045		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.477888 N / NAD83**	*Final depth:* **13.13 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.638194 W**	*Max signal:* **148.8 % @ 3.95 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/7/2007 3:56:10 PM**



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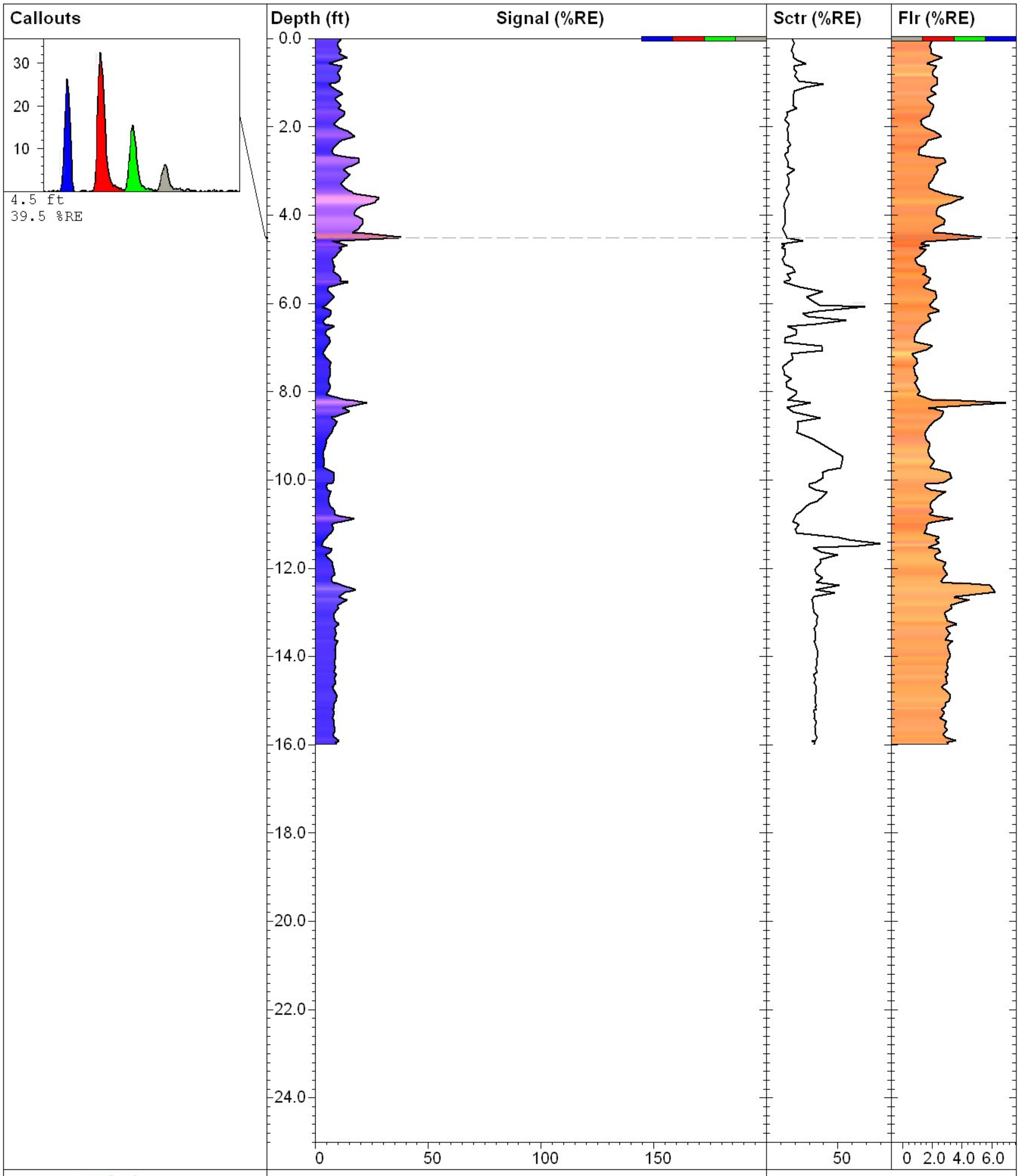
CRAW_TG046		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.523567 N / NAD83**	*Final depth:* **7.53 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.544334 W**	*Max signal:* **14.2 % @ 0.00 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/8/2007 9:26:59 AM**



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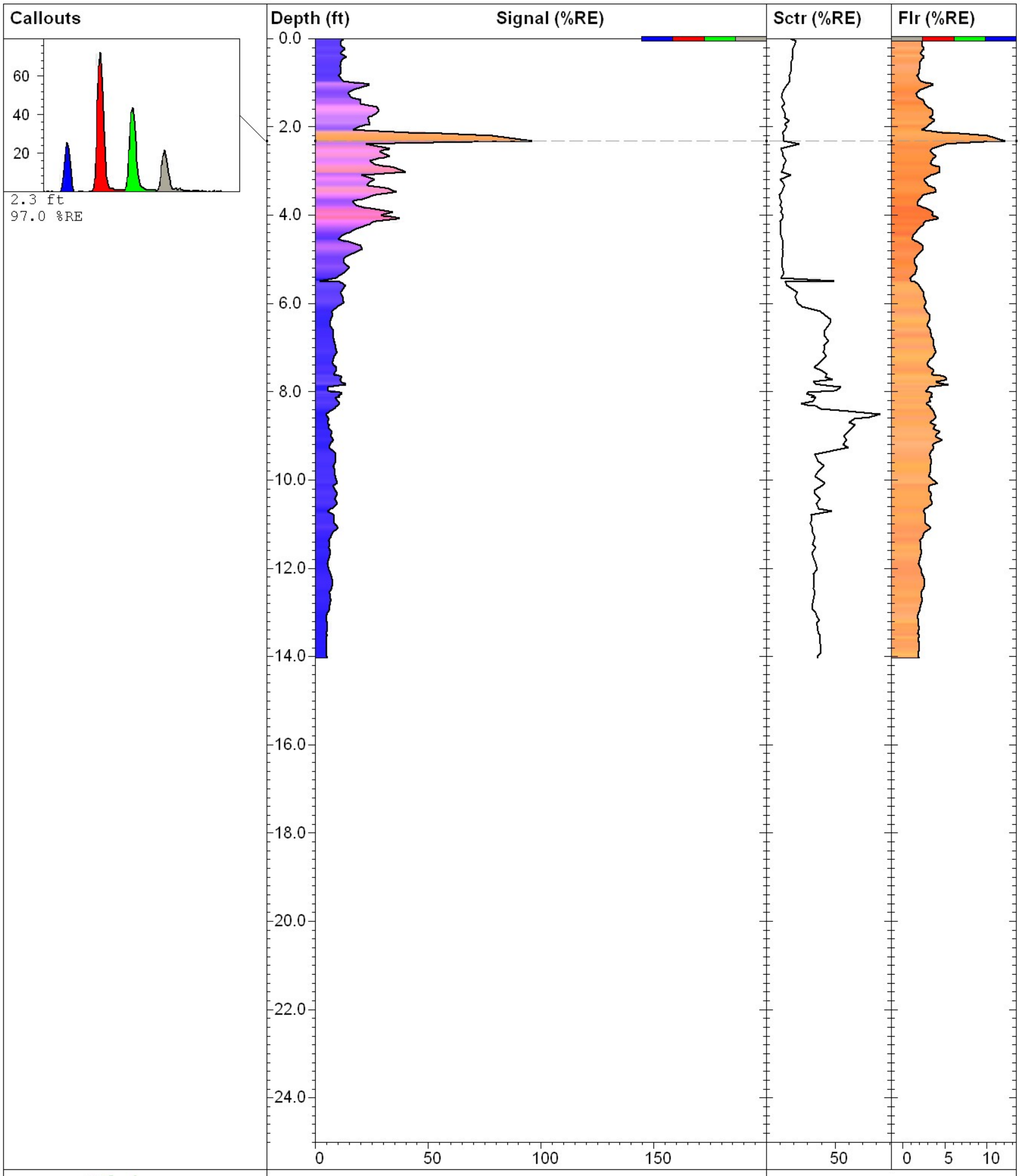
CRAW_TG047		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.518302 N / NAD83**	*Final depth:* **16.00 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.540021 W**	*Max signal:* **39.5 % @ 4.51 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/8/2007 10:25:37 AM**



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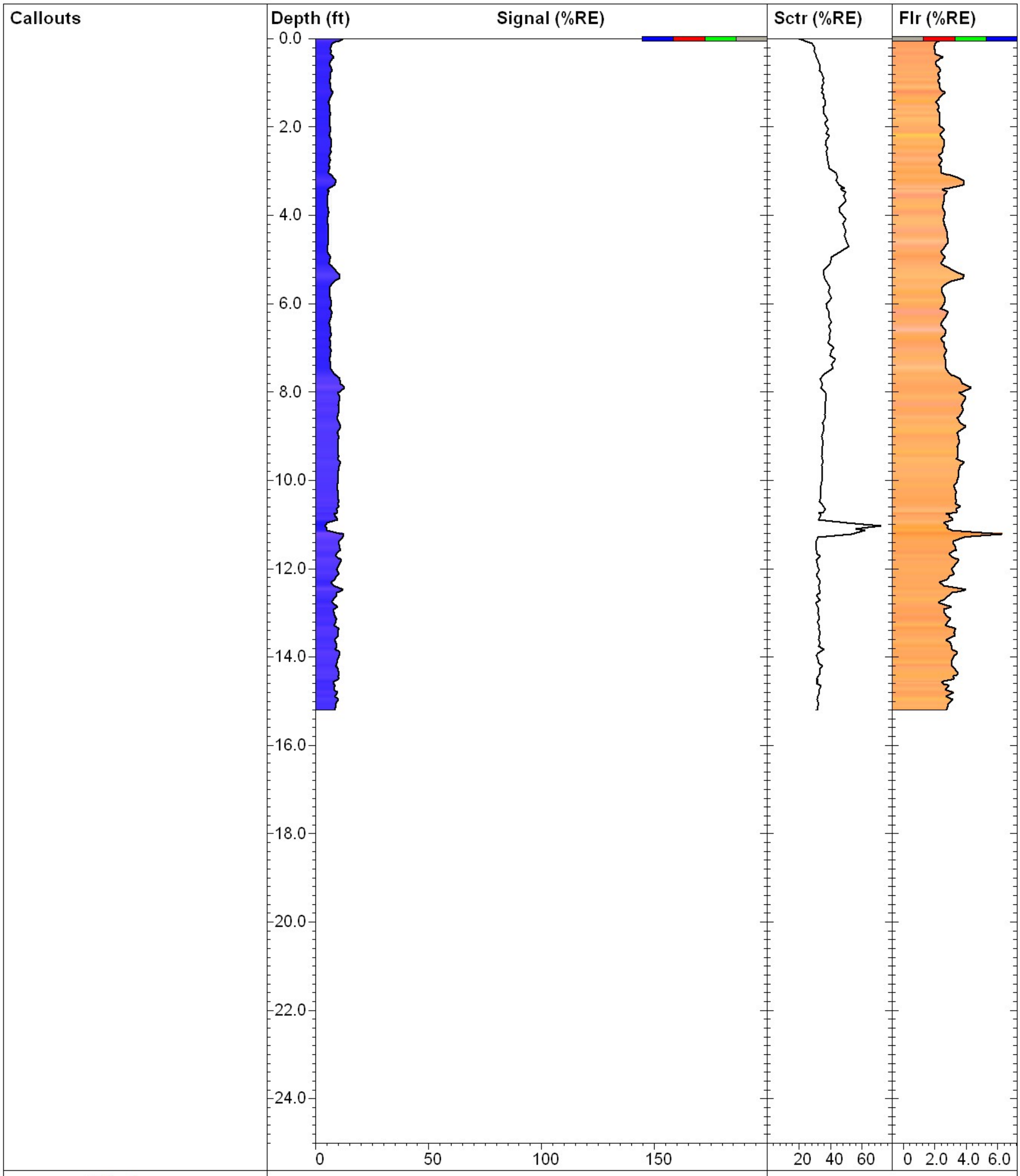
CRAW_TG048

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.511235 N / NAD83**	*Final depth:* **14.04 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.536784 W**	*Max signal:* **97.0 % @ 2.32 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/8/2007 11:05:12 AM**



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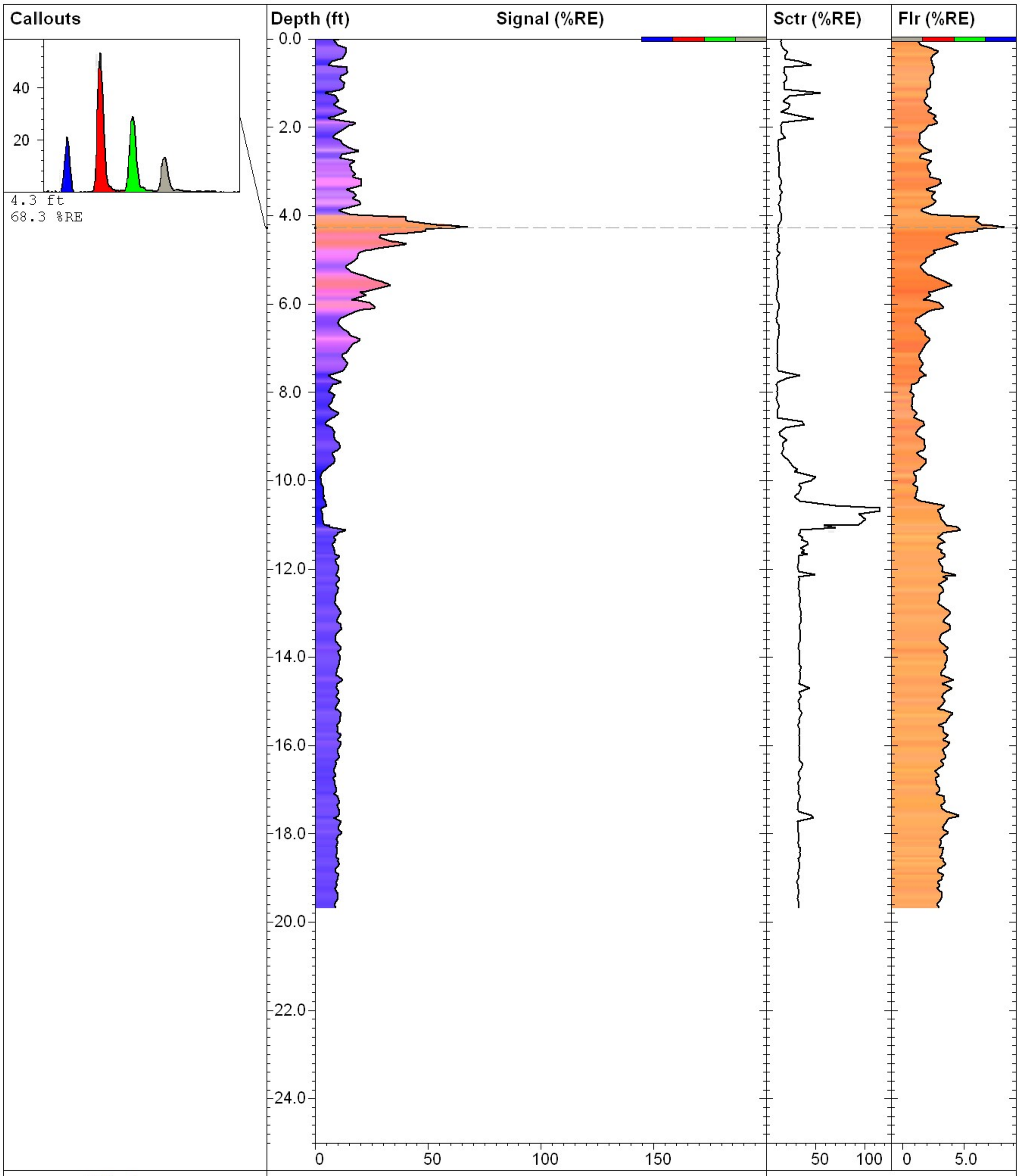
CRAW_TG049

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.527414 N / NAD83**	*Final depth:* **15.21 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.533598 W**	*Max signal:* **12.7 % @ 7.90 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/8/2007 12:12:04 PM**



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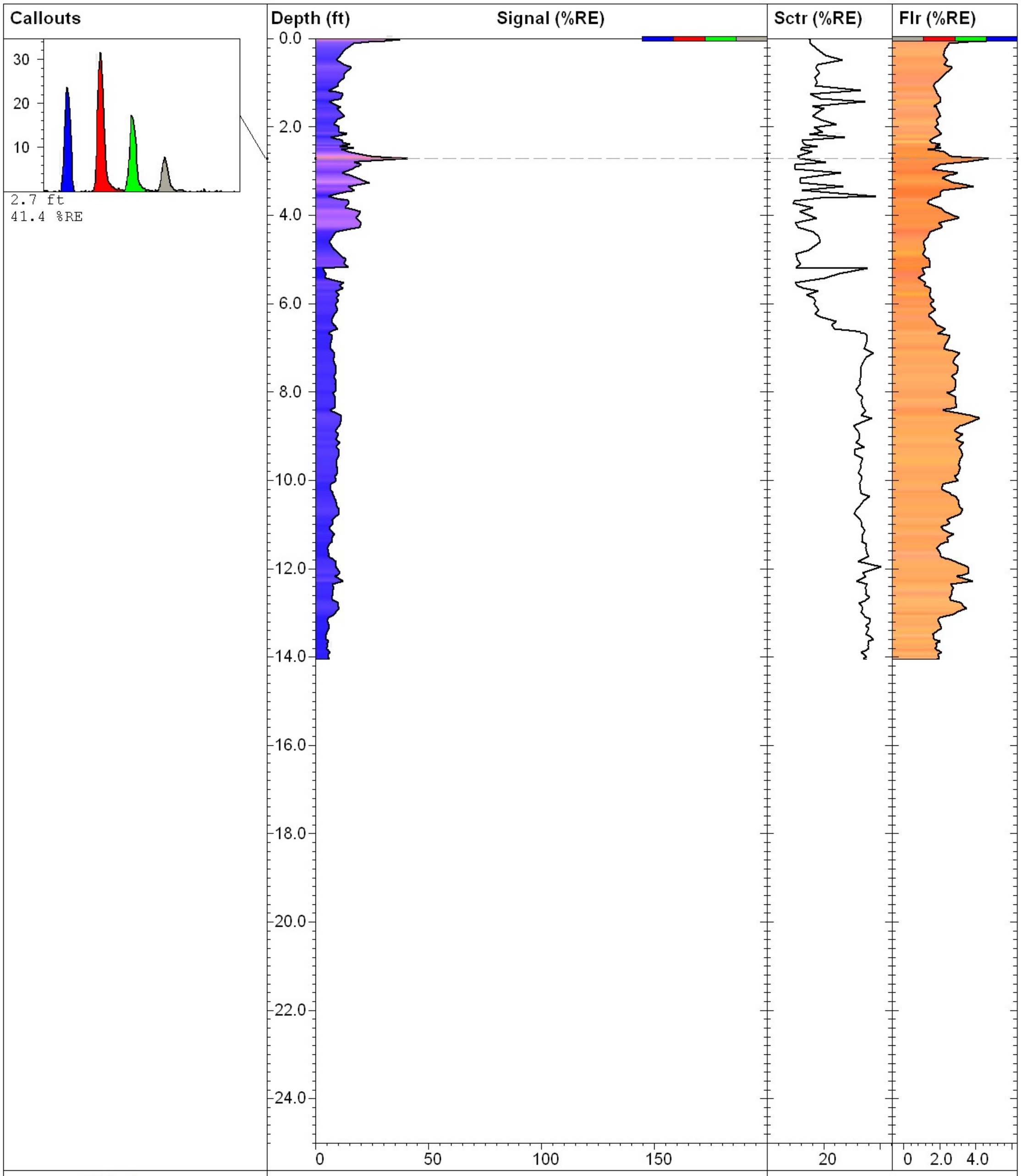
CRAW_TG050

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.520586 N / NAD83**	*Final depth:* **19.69 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.530119 W**	*Max signal:* **68.3 % @ 4.27 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/8/2007 1:39:39 PM**



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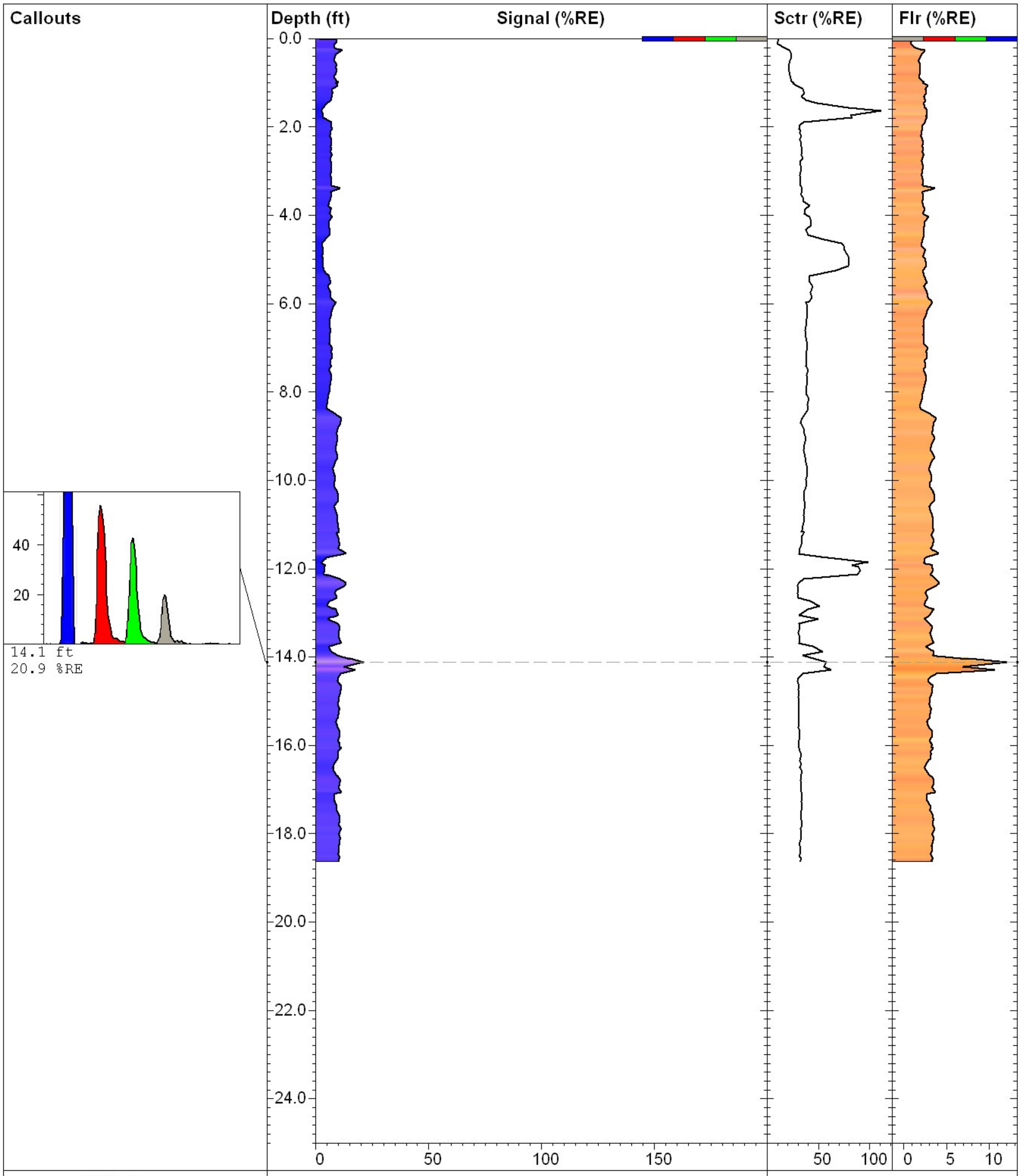
CRAW_TG051		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.512232 N / NAD83**	*Final depth:* **14.07 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.526220 W**	*Max signal:* **41.4 % @ 2.72 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/8/2007 2:26:46 PM**



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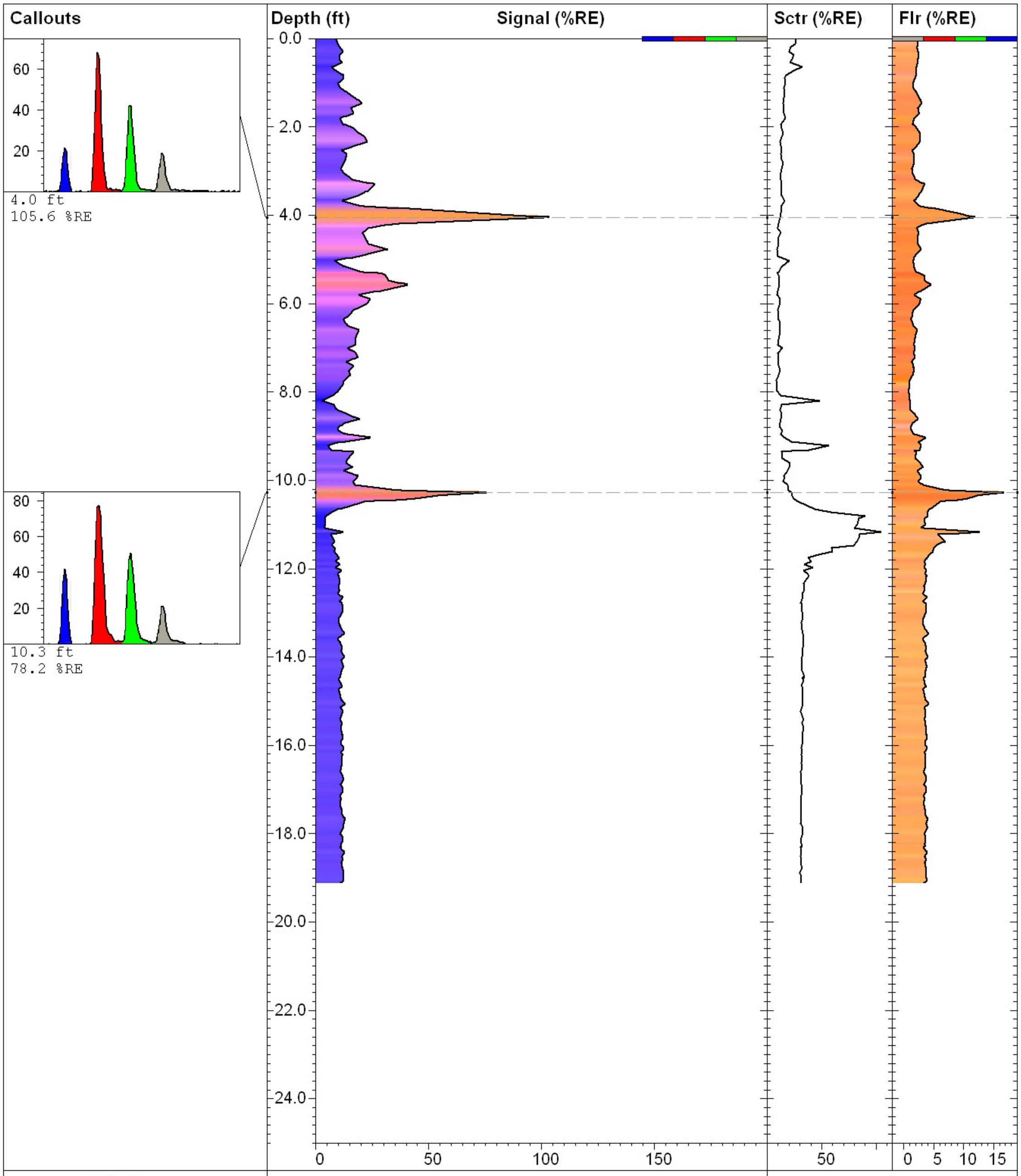
CRAW_TG052

TarGOST

Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.527928 N / NAD83**	*Final depth:* **18.64 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.528681 W**	*Max signal:* **20.9 % @ 14.12 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/8/2007 3:20:59 PM**



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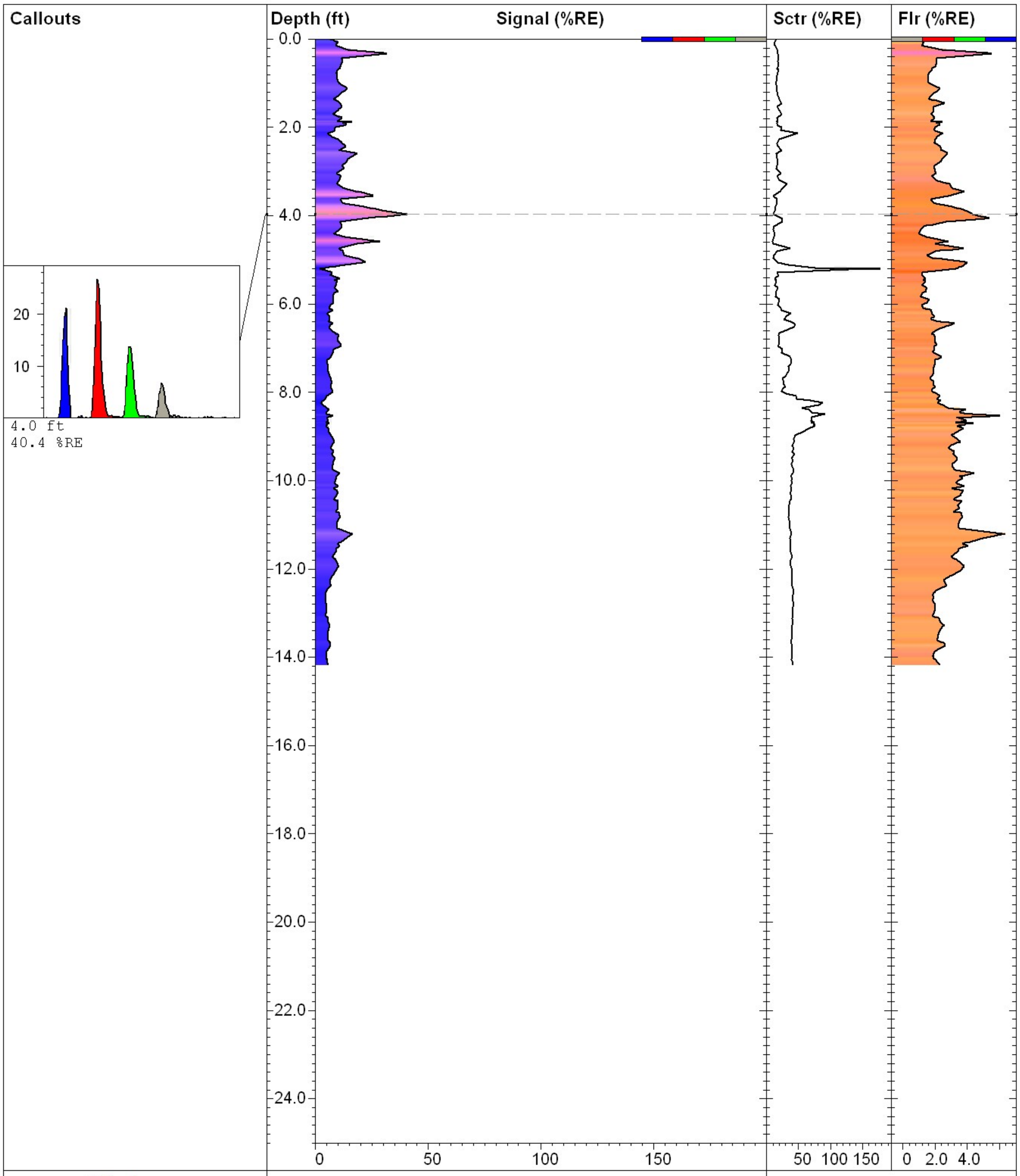
CRAW_TG053		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.522177 N / NAD83**	*Final depth:* **19.13 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.524967 W**	*Max signal:* **105.6 % @ 4.05 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/9/2007 10:03:38 AM**



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CRAW_TG054		**TarGOST**
Site: **Crawford - Chicago, IL**	*Latitude / System:* **41 49.513984 N / NAD83**	*Final depth:* **14.18 ft**
Client: **Burns & McDonnell**	*Longitude:* **087 43.521167 W**	*Max signal:* **40.4 % @ 3.96 ft**
Job:	*Operator/Unit:* **Steve Adamek/DTI02**	*Date & Time:* **3/9/2007 10:42:07 AM**

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CANAL SEDIMENT INVESTIGATION
SEDIMENT BORING LOGS

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Drilling Log

DRAFT

Burns & McDonnell
SINCE 1898

Project Name: Former Crawford Station		Project No.: 39180	Boring/Monitoring Well Number: CSB014
Coordinates: N 1877997.502 E 1146433.136		Sediment Elevation (CCD): -11.86	Page: 1 of 2
Total Depth (feet): 18	Hole Size (inches): 8.25	Driller (s): Gary Swift	Canal Elevation (CCD): -1.660
Drilling Rig: CME55LC		Drilling Company: Mateco Drilling Company	
Date: 3-7-07 To: 3-7-07	Logged By: Carl Kozlowicz	Reviewed by: Jason Blazier	Approved by: Don J. Schilling

Elevation (CCD)	Depth (feet)	Canal Sediment Investigation Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetro-meter (TSF)	PID Reading (PPM)	Remarks
-12		Black (N1) organic SILT (OL), heavy sheen, trace coarse to fine sand, trace clay, very loose, wet									Sample intervals SS-1 through SS-3 were collected with a 3" split spoon; N values are not applicable for density determination. 2" split spoon used to collect all other sample intervals Strong petroleum odor (0-12')
-13	1	Black (N1) coarse to fine SAND (SM), sheen, trace silt, very loose, wet		SS	1	WOH WOH 1 1		1.6/2		63 92	
-14	2			SS	2	WOH WOH WOH WOH		0.6/2		96	
-15	3										
-16	4	sheen to heavy sheen		SS	3	WOH WOH WOH 1		2/2		10 155	Sample 001 (5.3-6') at 1145
-17	5										
-18	6			SS	4	WOH WOH WOH WOH		2/2		123	
-19	7										
-20	8			SS	5	WOH WOH 1 1		1.6/2		85	
-21	9										
-22	10			SS	6	WOH WOH WOH 3		1.2/2		65	
-23	11										

Depth to water while drilling
Depth to water after drilling

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Drilling Log, continued

DRAFT

Burns & McDonnell
SINCE 1898

Project Name: Former Crawford Station
Project Number: 39180

Boring/Monitoring Well Number: CSB014
Page: 2 of 2
Date: 3-7-07

Elevation (CCD)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetrometer (TSF)	PID Reading (PPM)	Remarks
-24		tar saturated (12-13.7)									Strong tar odor (12-13.7')
-25	13			SS	7	WOH 1 1 1	2	2/2	1.5	240	Sample 002 (13.1-13.7') at 1210
		little animal hair, little straw-like material light olive Gray (5Y 6/1) silty CLAY (CL), trace coarse to fine sand, stiff, low plasticity, moist									
-26	14	stiff to hard									
-27	15			SS	8	14 17 17 19	34	1.6/2	4.5+	0	
-28	16										
-29	17			SS	9	10 10 14 17	24	2/2	4.5+	0	
	18	End of boring 18 feet below top of sediment									WOH = Weight of Hammer
	19										
	20										
	21										
	22										
	23										
	24										

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Drilling Log

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Burns & McDonnell
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Project Name: Former Crawford Station		Project No.: 39180	Boring/Monitoring Well Number: CSB022
Coordinates: N 1878004.61 E 1146469.885		Sediment Elevation (CCD): -15.45	Page: 1 of 2
Total Depth (feet): 22	Hole Size (inches): 8.25	Driller (s): Gary Swift	Canal Elevation (CCD): -1.65
Drilling Rig: CME55LC		Drilling Company: Mateco Drilling Company	
Date: 3-7-07 To: 3-7-07	Logged By: Carl Kozlowicz	Reviewed by: Jason Blazier	Approved by: Don J. Schilling

Elevation (CCD)	Depth (feet)	Canal Sediment Investigation Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetro-meter (TSF)	PID Reading (PPM)	Remarks
-16	1	brownish Black (5Y 2/1) organic SILT (OL), heavy sheen, trace coarse to fine sand, trace clay, very loose, wet		SS	1	WOH WOH WOH WOH		2/2		6 13	Sample intervals SS-1 through SS-3 were collected with a 3" split spoon; N values are not applicable for density determination. 2" split spoon used to collect all other sample intervals Strong petroleum odor (0-10')
-17	2	Black (N1) coarse to fine SAND (SM), heavy sheen, trace silt, very loose, wet									
-18	3			SS	2	WOH WOH WOH WOH		1.6/2		35	
-19	4										
-20	5	Black (N1) organic SILT (OL), heavy sheen, some clay, very loose, wet		SS	3	WOH WOH WOH WOH		2/2		20	
-21	6										
-22	7			SS	4	WOH WOH WOH WOH		2/2		14	
-23	8										
-24	9			SS	5	WOH WOH WOH WOH		2/2		35	Sample 001 (9.5-10') at 1400
-25	10										
-26	11	Black (N1) coarse to fine SAND (SWG) with gravel, tar saturated, little cinders, trace coal fragments, trace plant material, medium dense, moist		SS	6	9 11 11 14	22	1.7/2		175	Strong tar-like odor (10.5-11.6') Sample 002 (10.5-11.6') at 1415
-27											

Depth to water while drilling
Depth to water after drilling

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Drilling Log, continued

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Burns & McDonnell
SINCE 1898

Project Name: Former Crawford Station
Project Number: 39180

Boring/Monitoring Well Number: CSB022
Page: 2 of 2
Date: 3-7-07

Elevation (CCD)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetro-meter (TSF)	PID Reading (PPM)	Remarks
-28	13	light olive Gray (5Y 6/1) coarse to fine SAND (SM), some silt, trace clay, medium dense to dense, moist silt seams, trace to no clay, moist to wet		SS	7	8 11 50/4	23.5	1.3/2		4.8	
-29	14										
-30	15			SS	8	19 50/5		0.8/2		10	
-31	16										
-32	17	olive Gray (5Y 4/1) silty CLAY (CL), trace coarse to fine gravel, trace coarse to fine sand, hard, low plasticity, moist		SS	9	6 6 6 34	12	0/2			
-33	18										
-34	19			SS	10	10 19 22 34	41	1.7/2	4.5+	0	
-35	20										
-36	21			SS	11	12 15 33 34	48	1.7/2	4.5+	0	
-37	22	End of boring 22 feet below top of sediment									WOH = Weight of Hammer
	23										
	24										

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Drilling Log

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Burns & McDonnell
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Project Name: Former Crawford Station		Project No.: 39180	Boring/Monitoring Well Number: CSB042
Coordinates: N 1879260.378 E 1149379.896		Sediment Elevation (CCD): -19.65	Page: 1 of 1
Total Depth (feet): 10	Hole Size (inches): 8.25	Driller (s): Gary Swift	Canal Elevation (CCD): -1.95
Drilling Rig: CME55LC		Drilling Company: Mateco Drilling Company	
Date: 3-8-07 To: 3-8-07	Logged By: Carl Kozlowicz	Reviewed by: Jason Blazier	Approved by: Don J. Schilling

Elevation (CCD)	Depth (feet)	Canal Sediment Investigation Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetro-meter (TSF)	PID Reading (PPM)	Remarks
-20	1	greenish Black (5G 2/1) coarse to fine SAND (SWG) with gravel, trace sheen, trace silt, very loose, saturated		SS	1	WOH WOH WOH WOH		0.5/2		6.0	Sample intervals SS-1 through SS-3 were collected with a 3" split spoon; N values are not applicable for density determination. 2" split spoon used to collect all other sample intervals
-21	2	trace glass fragments									
-22		Black (N1) coarse to fine SAND (SM), tar saturated (2.2-2.9), some coarse to fine gravel, loose, wet		SS	2	3 3 3 3	6	1/2		165	Slight petroleum odor (0-0.5') Strong tar-like odor (2-3') Sample 001 (2.2-2.9') at 1015
-23	3	Black (N1) to olive Gray (5Y 4/1), heavy sheen (2.9-6.4)									
-24	4			SS	3	1 1 1 2	2	1.5/2		20	Strong petroleum-like odor (4-6.4') Sample 002 (4.8-5.5') at 1020
-25	5										
-26	6	olive Gray (5Y 4/1) silty CLAY (CL), trace coarse to fine sand, hard, low plasticity, moist		SS	4	9 14 22 24	36	2/2	4.5+	27 0	
-27	7	silt (7.2-7.6)									
-28	8			SS	5	8 8 14 20	22	1.5/2	4.5+	0	
-29	9										
	10	End of boring 10 feet below top of sediment									WOH = Weight of Hammer
	11										

Depth to water while drilling
Depth to water after drilling

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CANAL SEDIMENT INVESTIGATION
PHOTOGRAPHS

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Former Crawford Station Adjacent Canal Area
March 7, 2007

Description:

Canal Soil Boring CRAW-CSB022 split spoon sample containing tar and organic material

Former Crawford Station Adjacent Canal Area
March 8, 2007

Description:

Canal Soil Boring CRAW-CSB042 split spoon sample containing tar-impacted sand and gravel