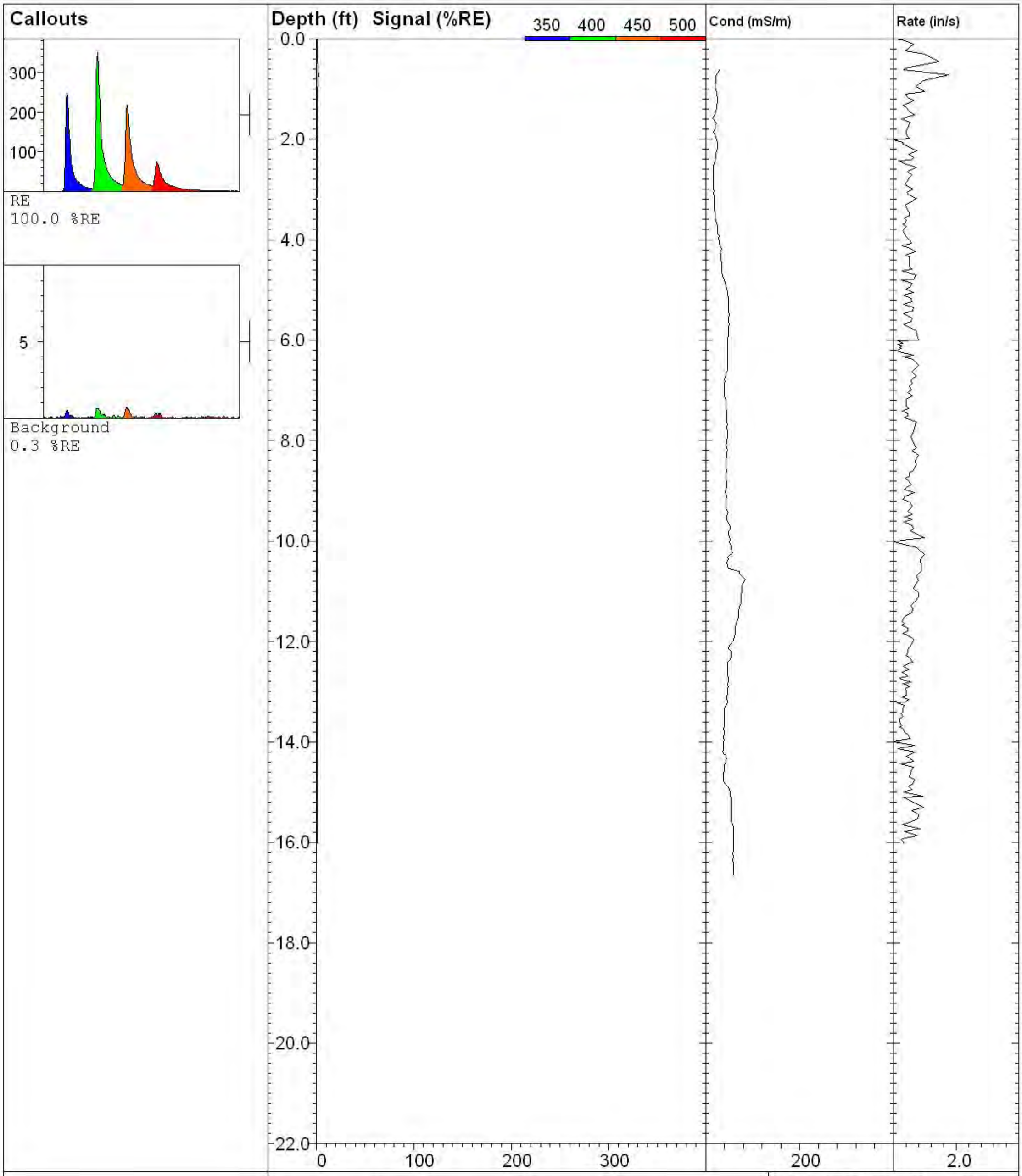
Appendix E

LIF/UVOST Survey Results
(October 2010 and October-November 2011)



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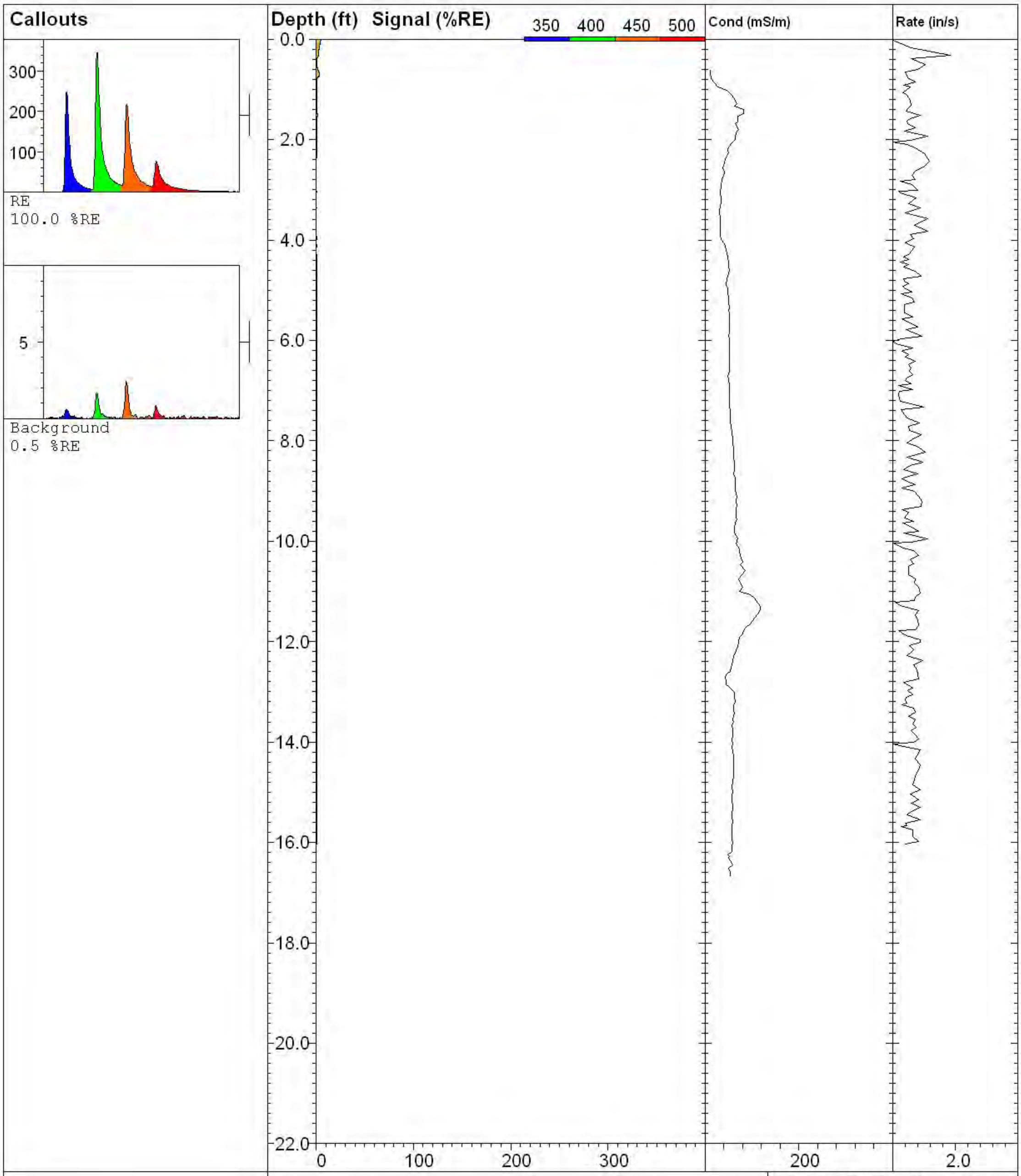
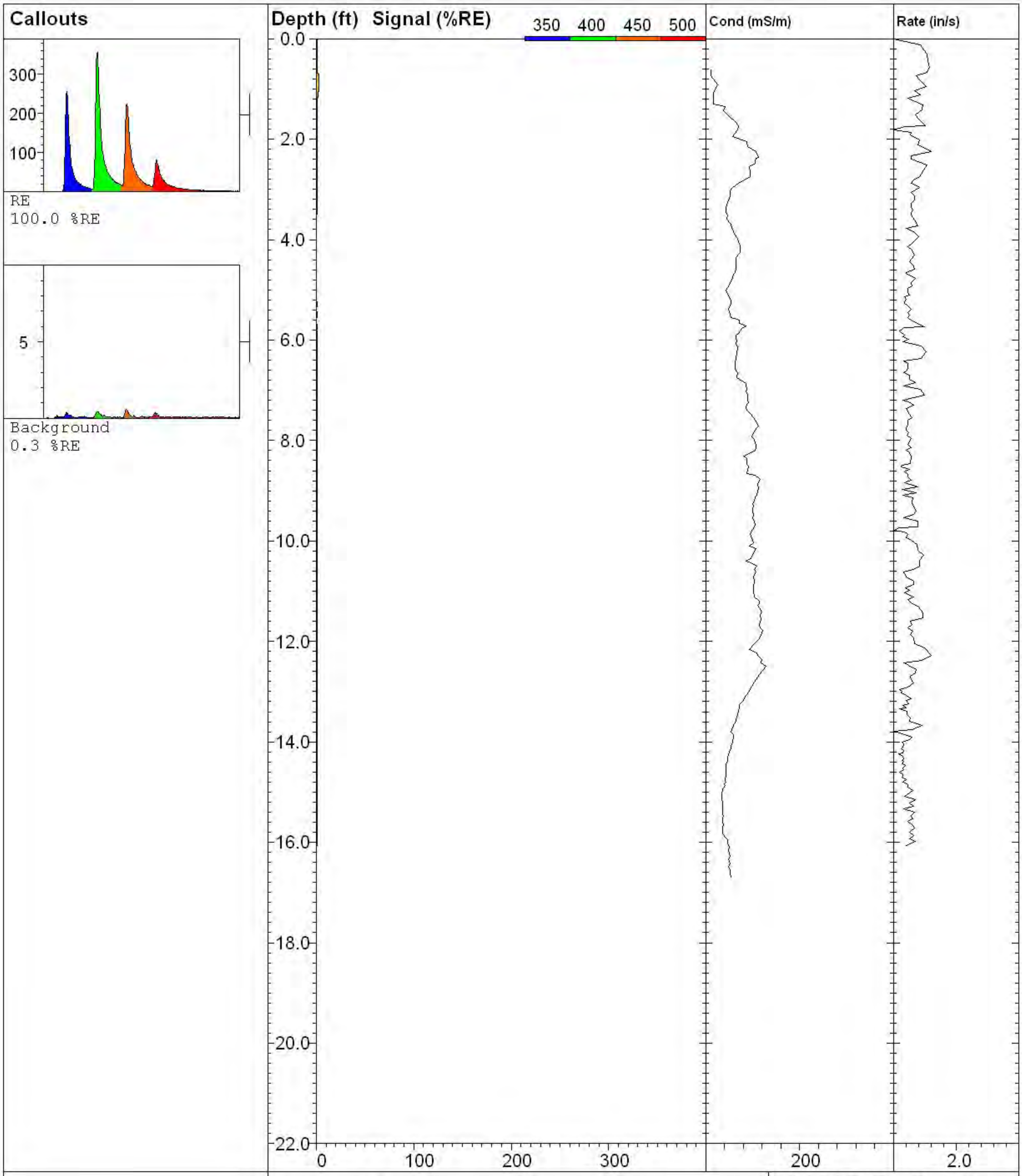
LIF-001

UVOST By Dakota
www.DakotaTechnologies.com

Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.02 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.2 % @ 0.73 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-19 14:24 EDT**



MATRIX ENVIRONMENTAL LLC 8631 Jefferson Highway Osseo, MN 55369 (763) 424-4803 www.matrixenv.com	**LIF-002**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.04 ft**
	Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **5.3 % @ 0.00 ft**
	Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-19 13:58 EDT**



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LIF-003

UVOST By Dakota
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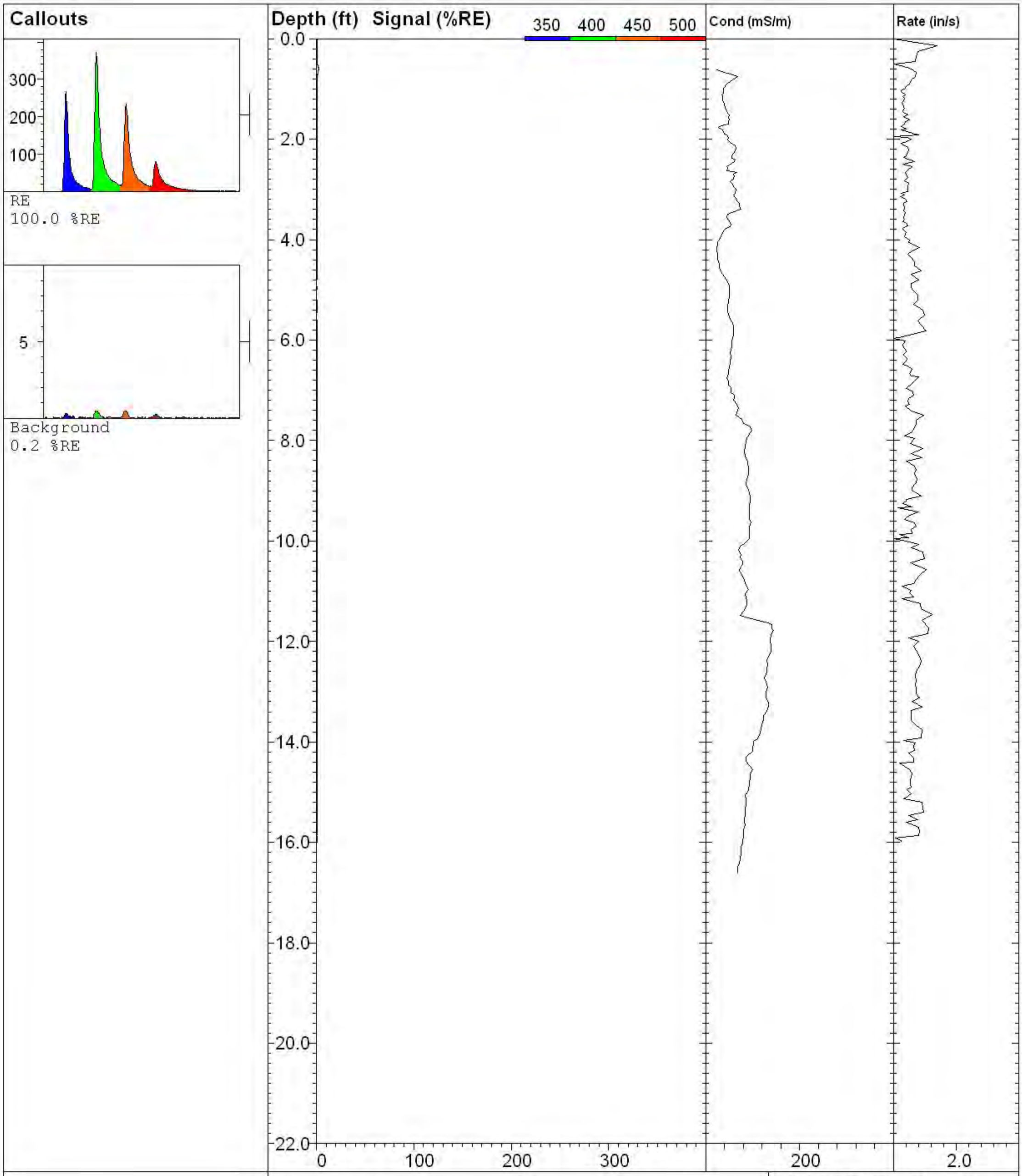
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.07 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.8 % @ 0.73 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-19 13:32 EDT**



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LIF-004

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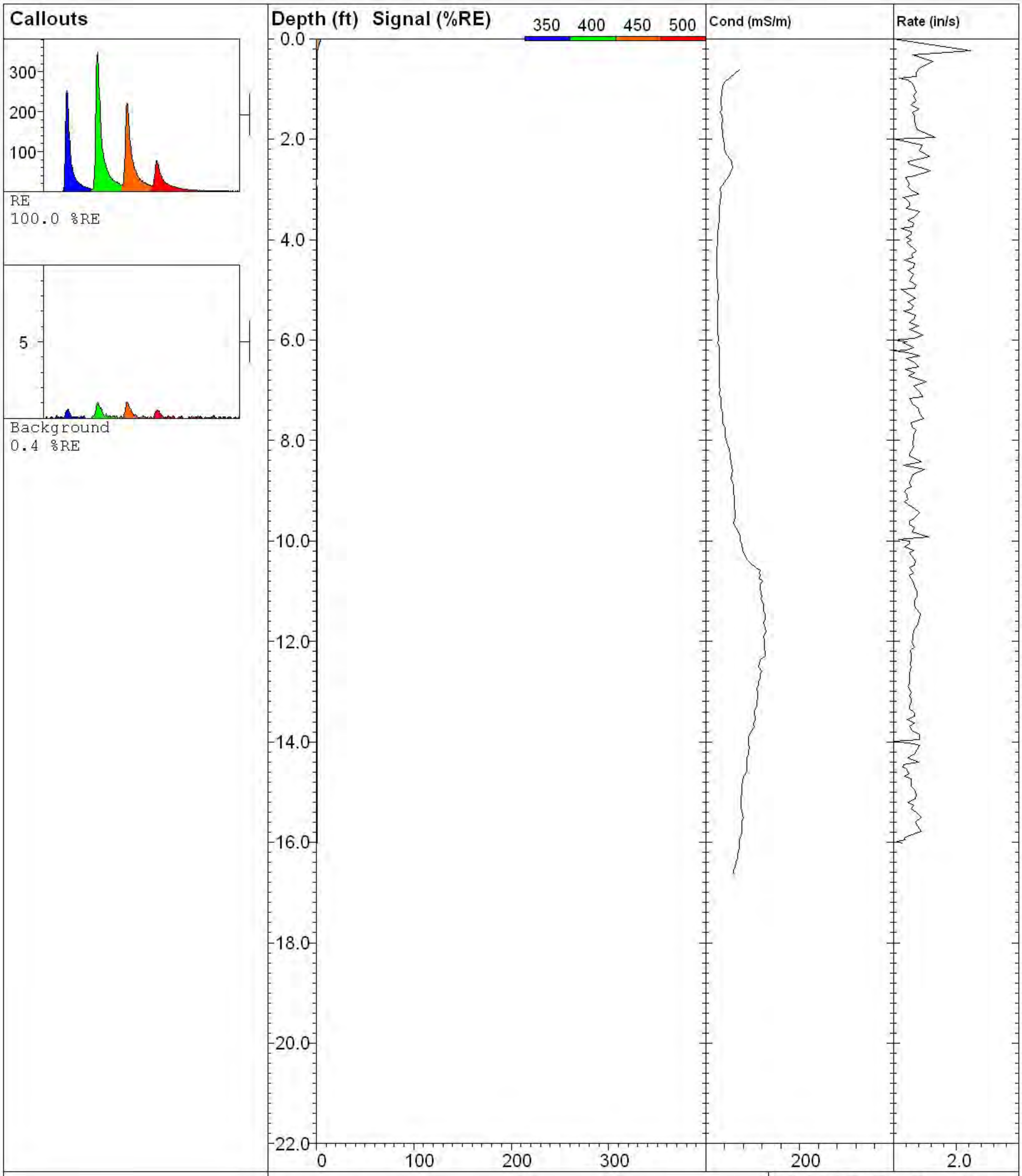
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.4 % @ 0.59 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-19 11:05 EDT**



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LIF-005

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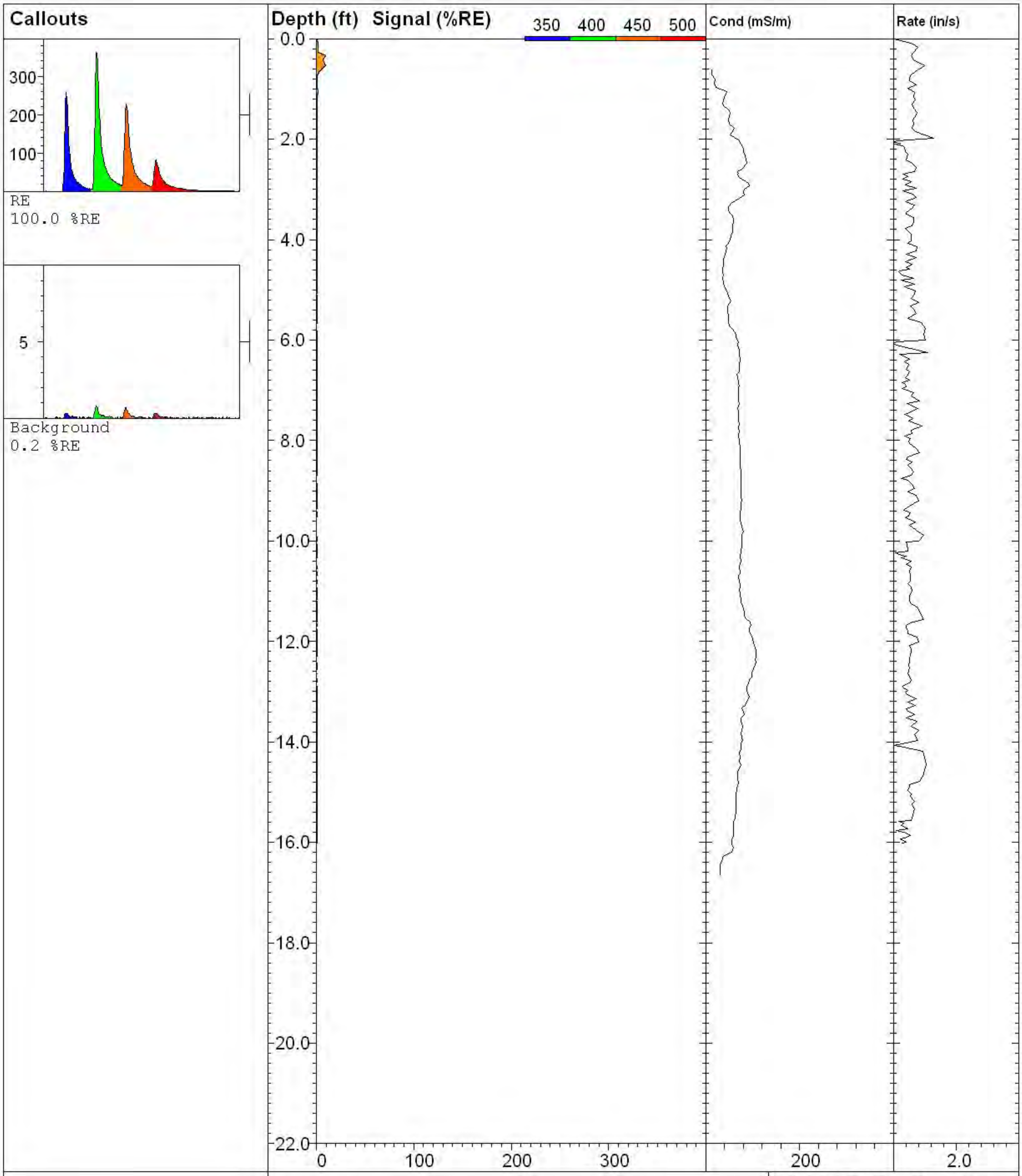
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.03 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **5.1 % @ 0.00 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-19 14:46 EDT**



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LIF-006

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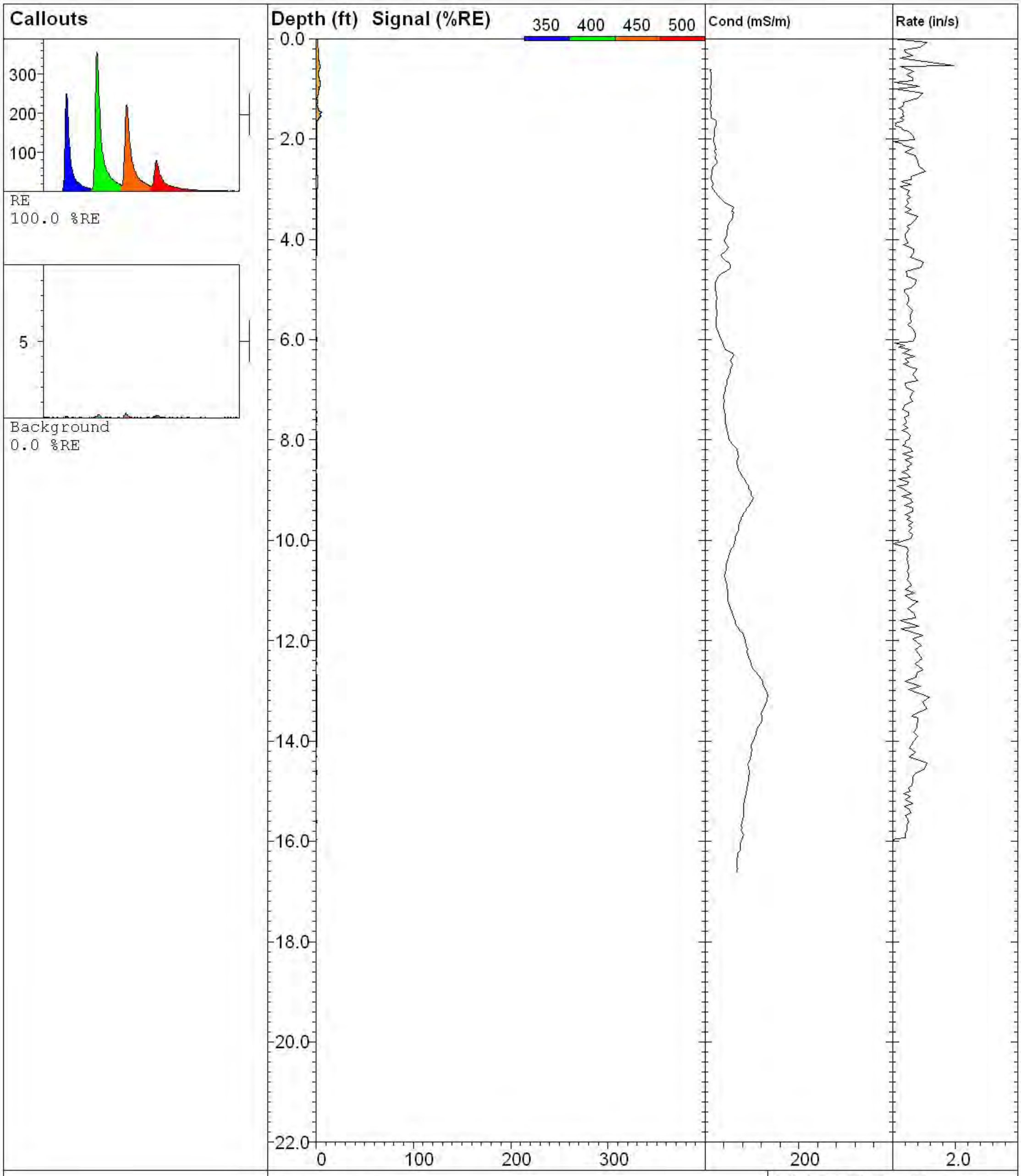
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.02 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **9.7 % @ 0.34 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-19 15:32 EDT**



LIF-007		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **5.8 % @ 1.47 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-19 16:06 EDT**

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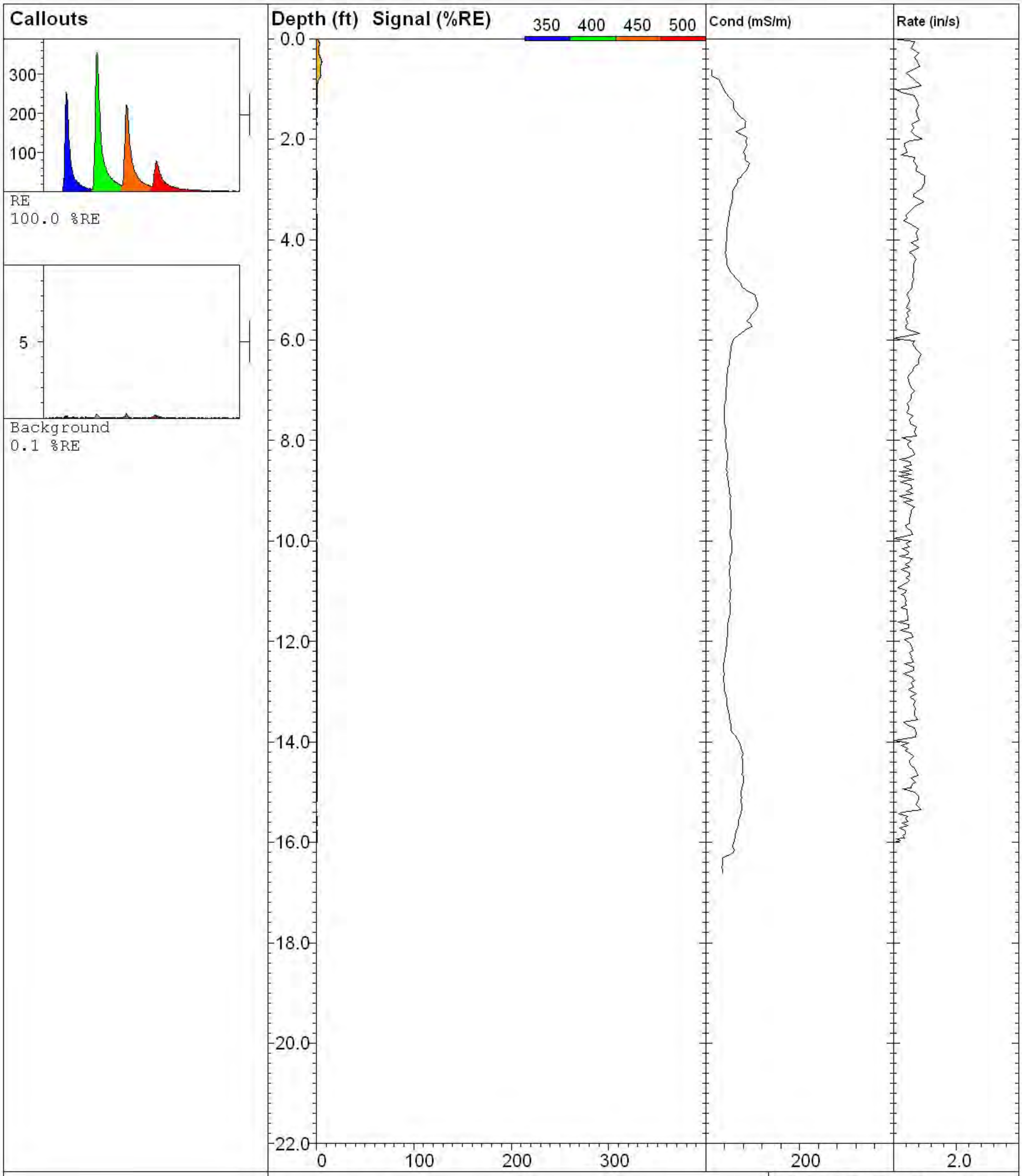

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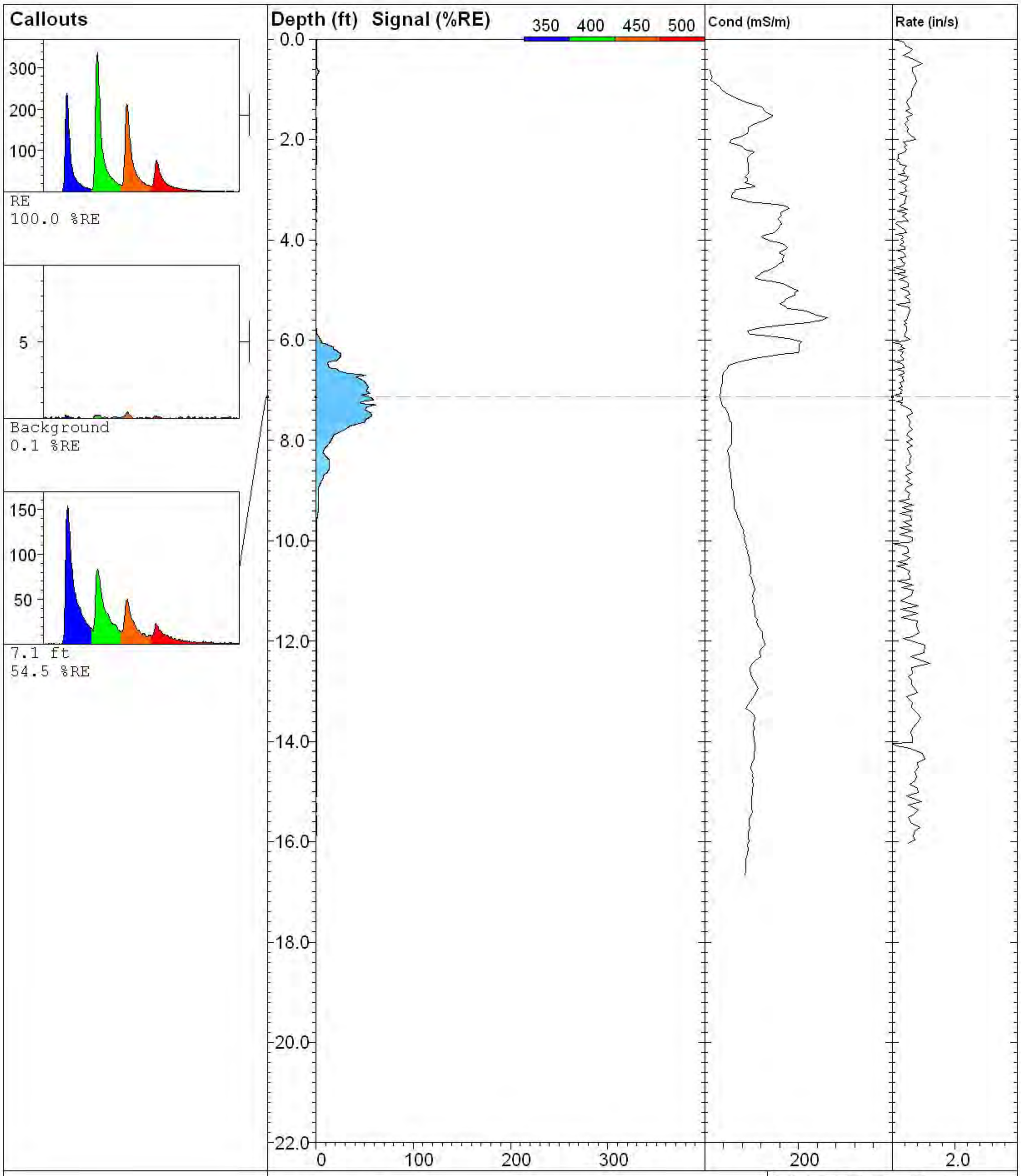
LIF-008		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **5.7 % @ 0.47 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-19 16:31 EDT**



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LIF-009

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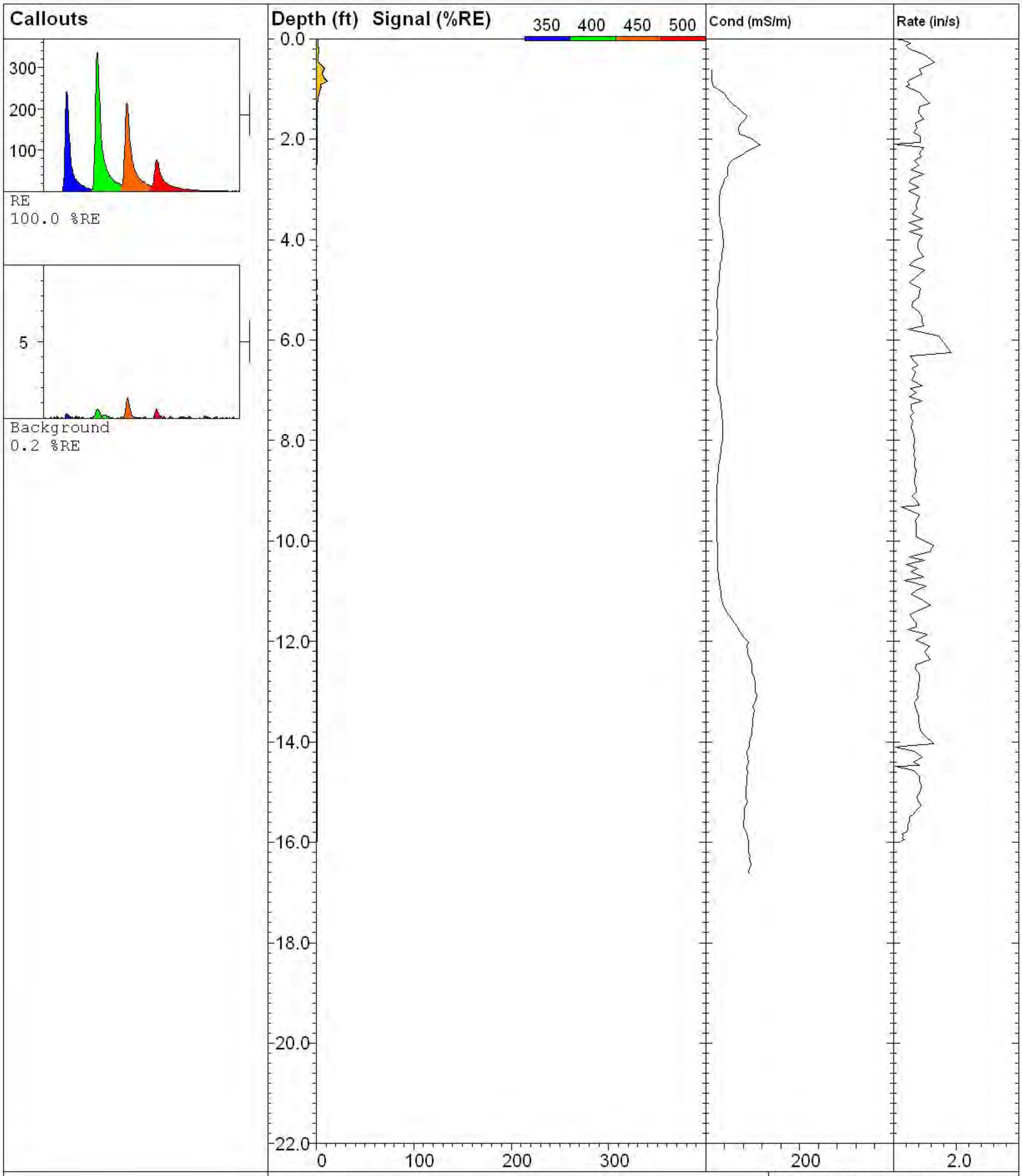
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.03 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **63.4 % @ 7.29 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-20 13:29 EDT**



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LIF-010

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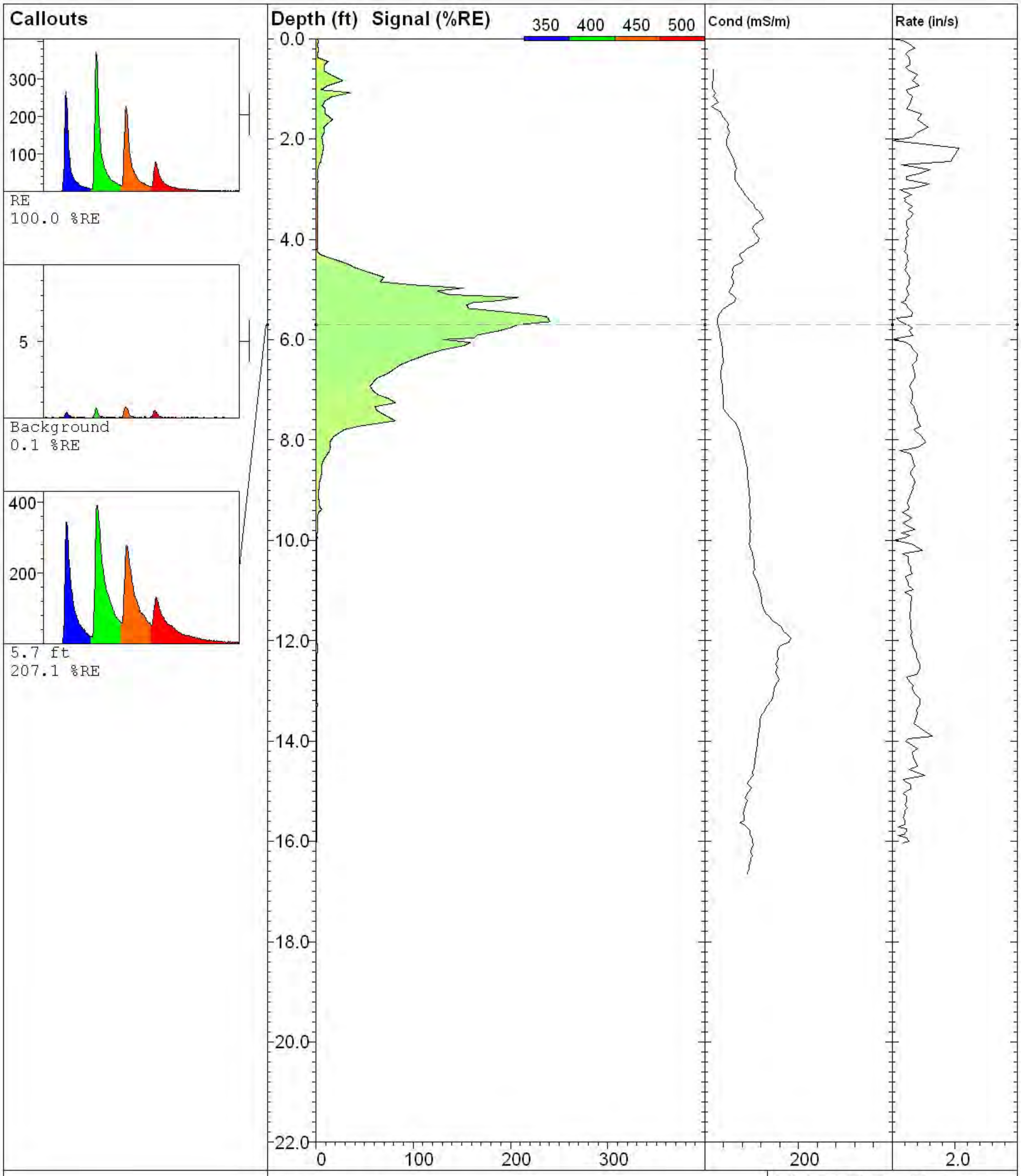
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.98 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **11.1 % @ 0.85 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-20 13:58 EDT**



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LIF-011

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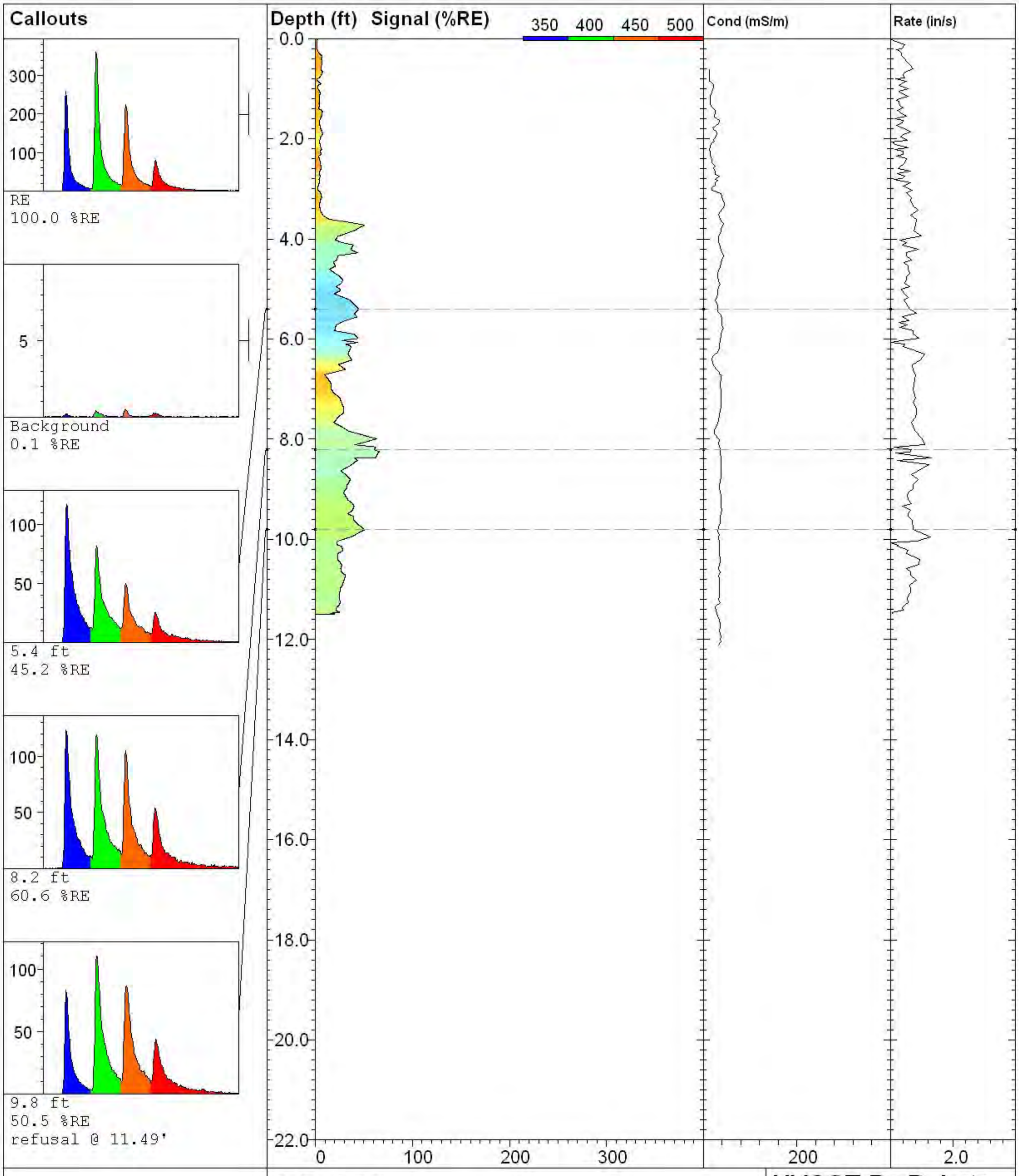
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.03 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **240.4 % @ 5.64 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-18 17:02 EDT**



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LIF-012

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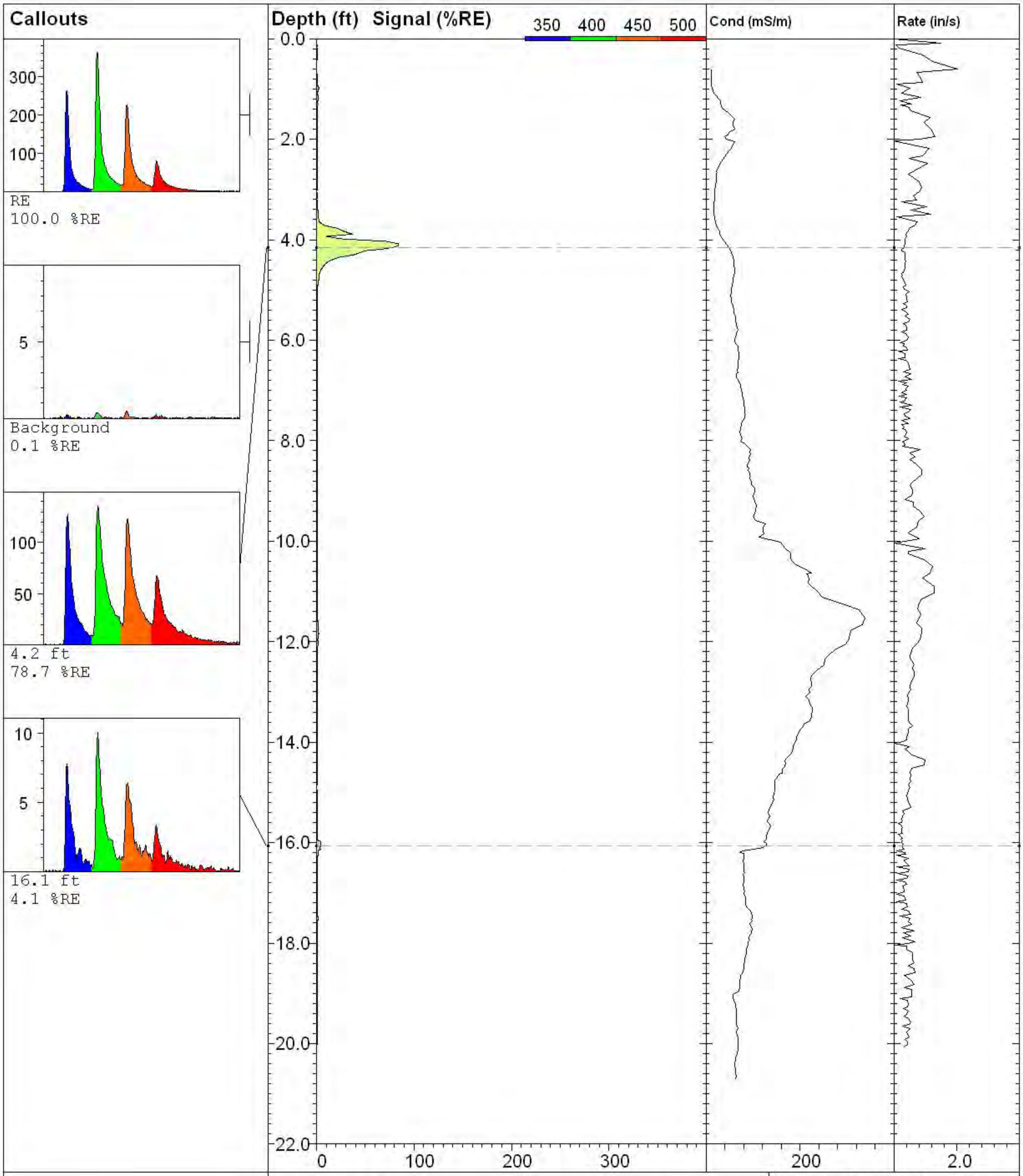
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **11.49 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **66.1 % @ 8.25 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-18 17:34 EDT**



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LIF-013

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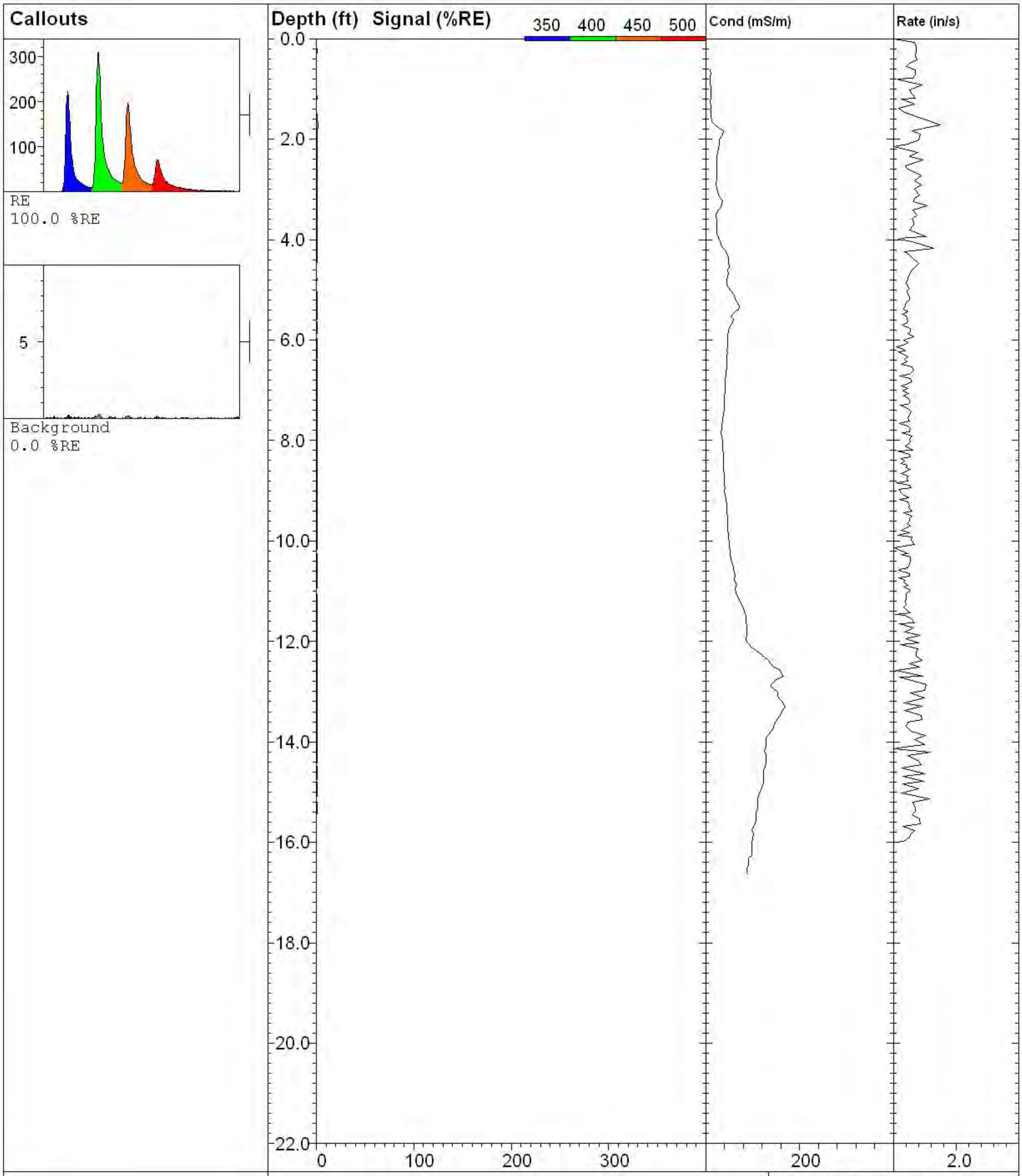
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **20.07 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **84.3 % @ 4.12 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-22 10:43 EDT**



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LIF-014

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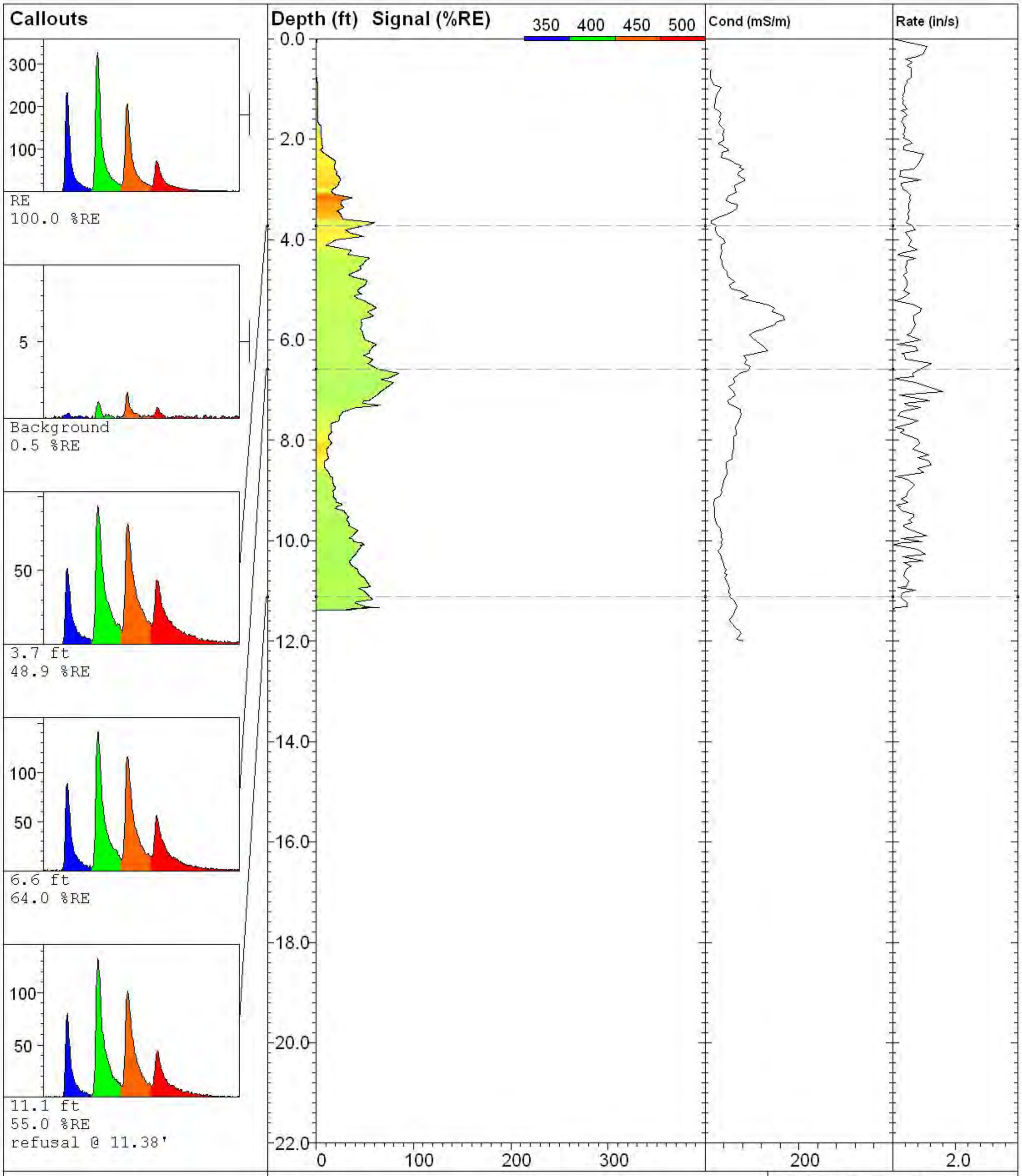
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.01 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.5 % @ 1.72 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-21 14:07 EDT**



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LIF-015

UVOST By Dakota
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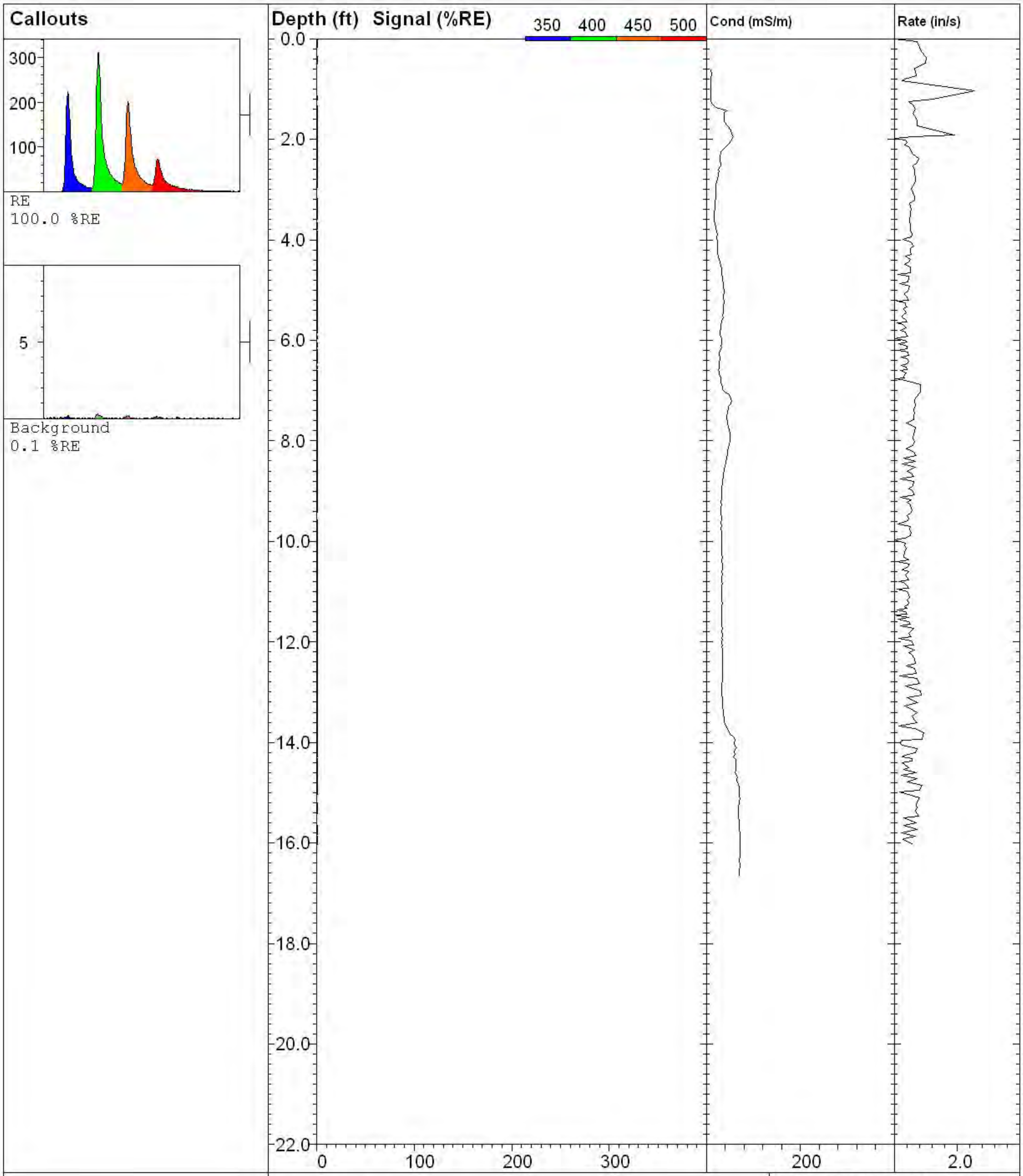
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **11.38 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **84.8 % @ 6.66 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-20 14:22 EDT**



LIF-016		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.03 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.2 % @ 1.63 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-21 13:44 EDT**

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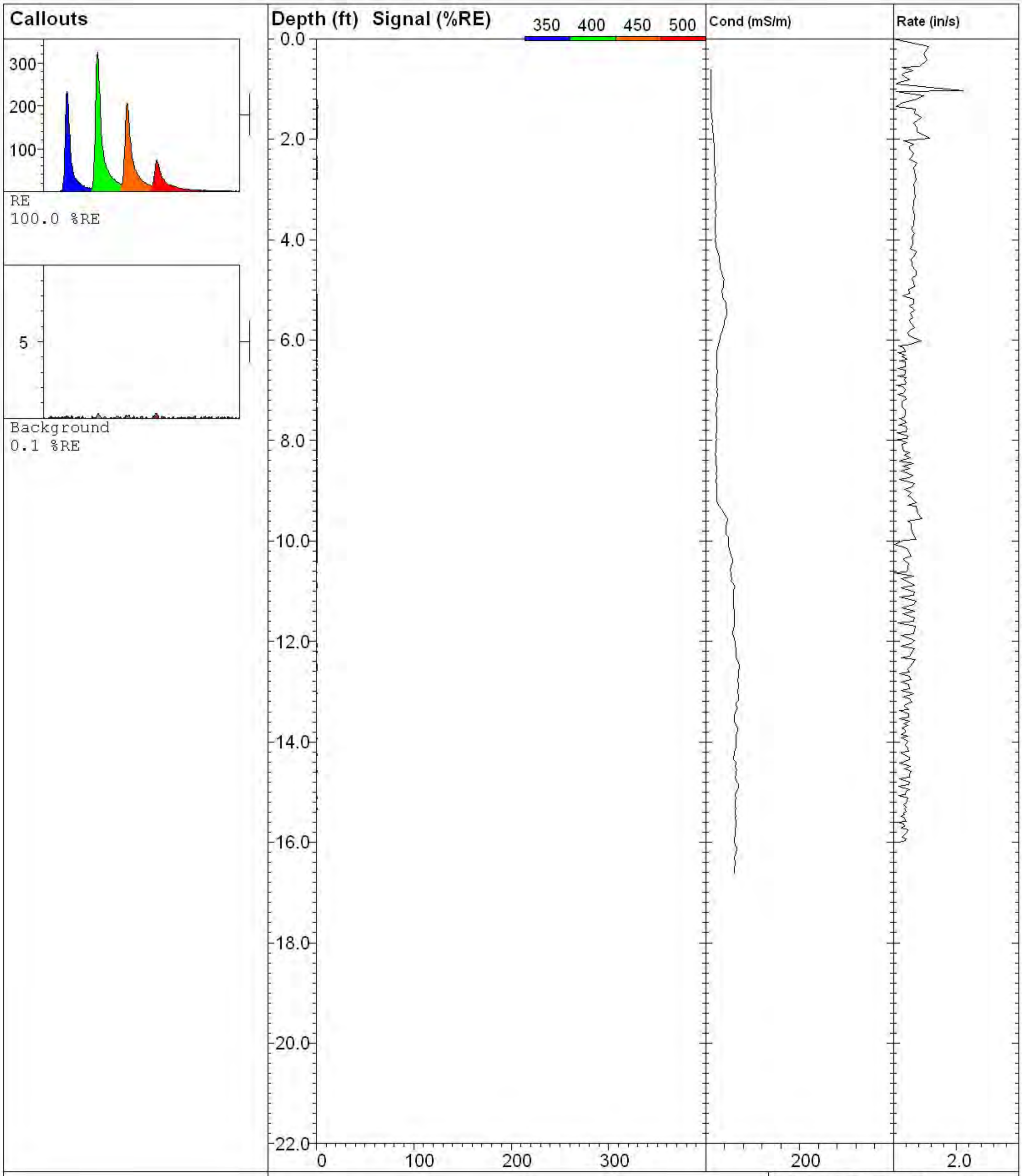

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LIF-017

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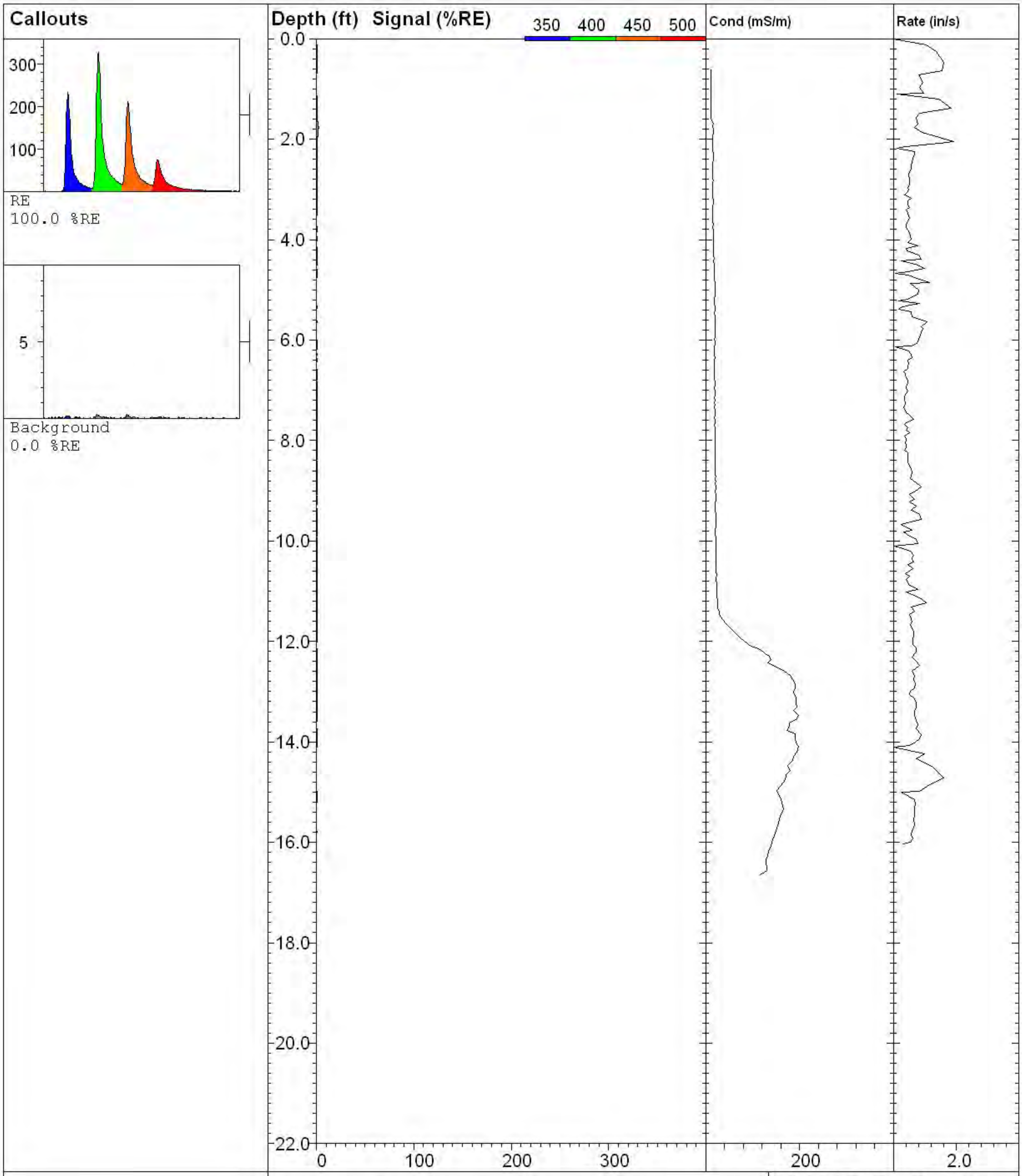
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.4 % @ 1.34 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-21 11:19 EDT**



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LIF-018

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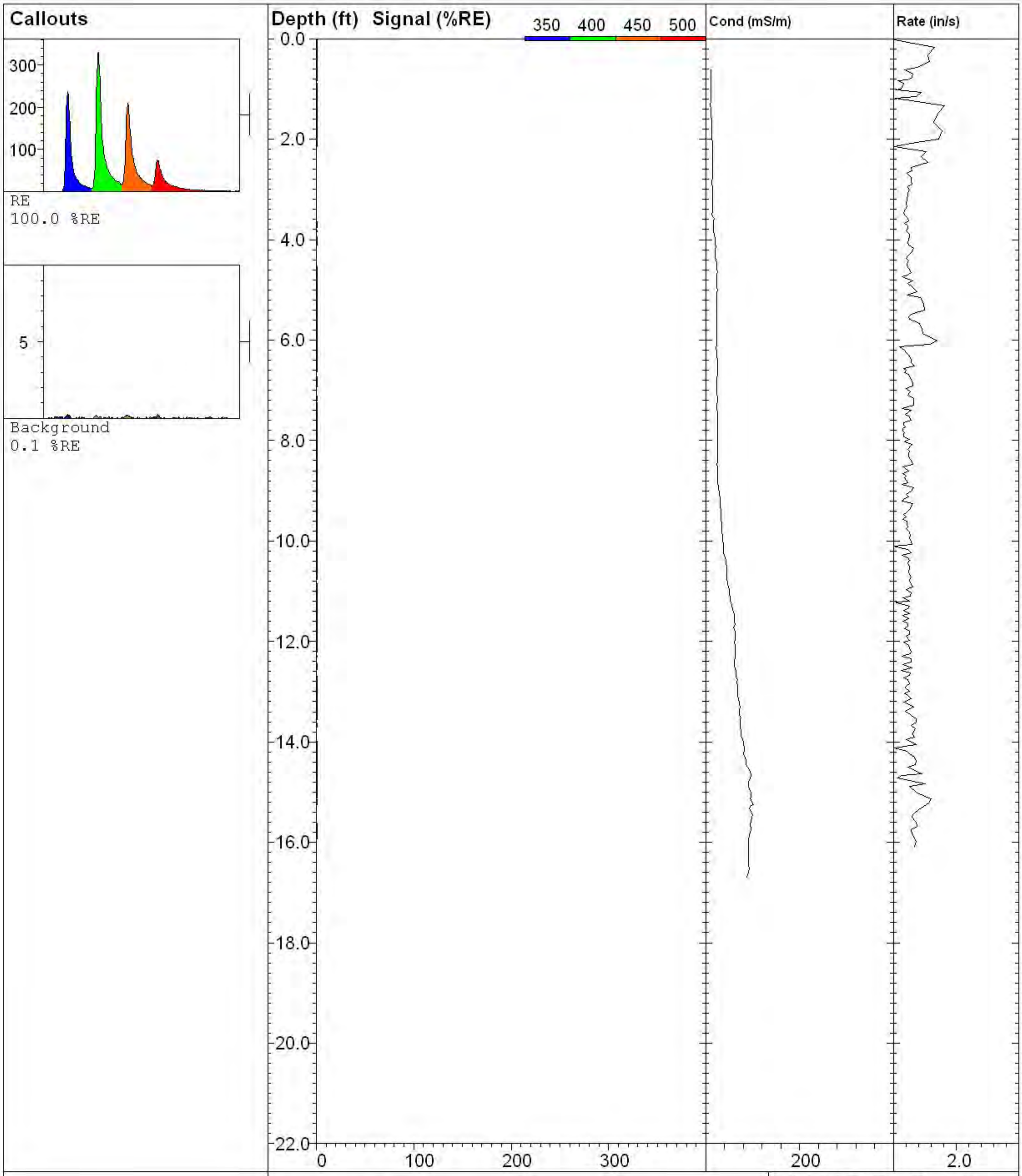
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.03 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.2 % @ 1.77 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-21 10:59 EDT**



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LIF-019

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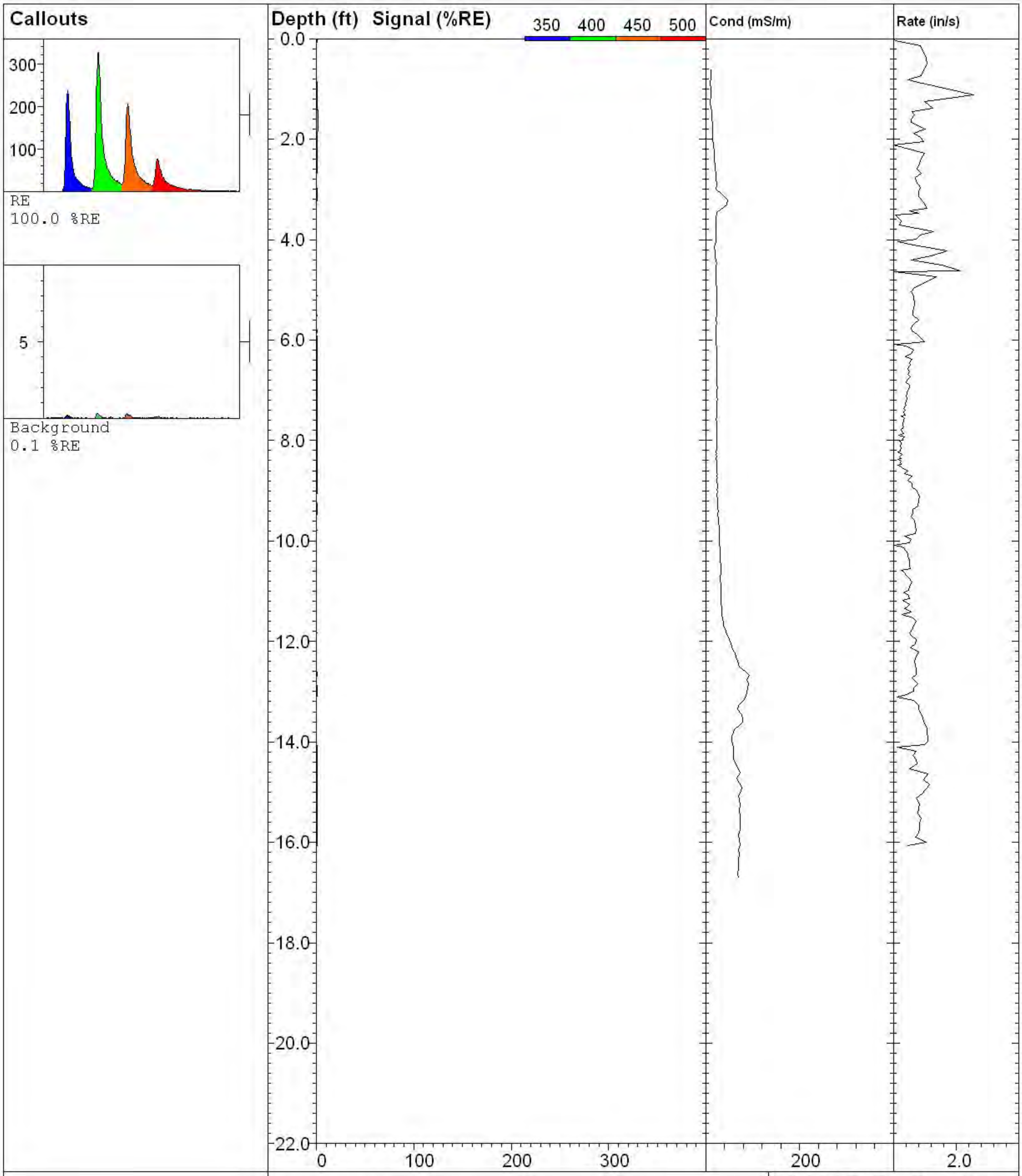
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.09 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.1 % @ 1.67 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-21 10:10 EDT**



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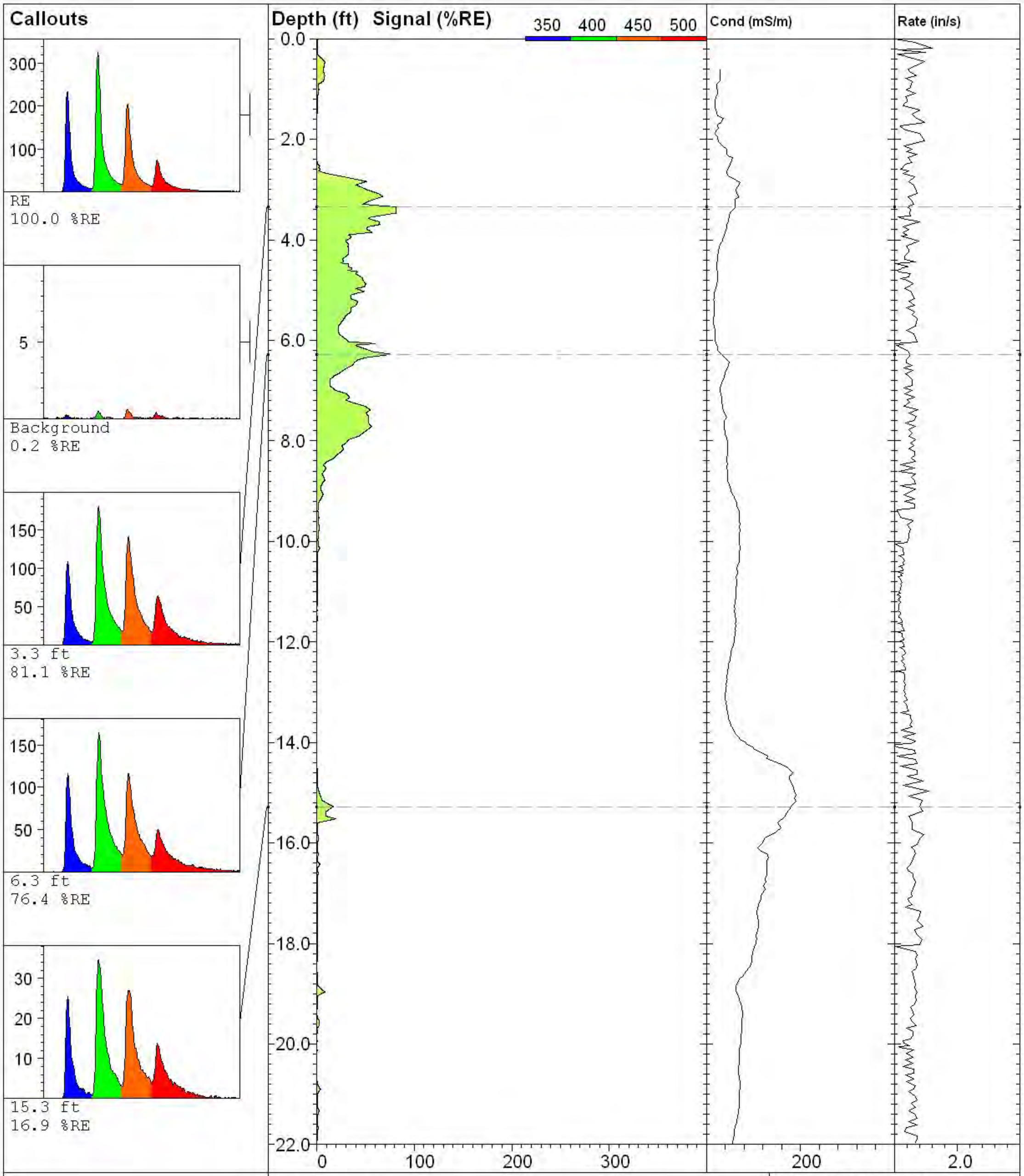
LIF-020		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.07 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.9 % @ 1.60 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-21 09:46 EDT**



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LIF-021

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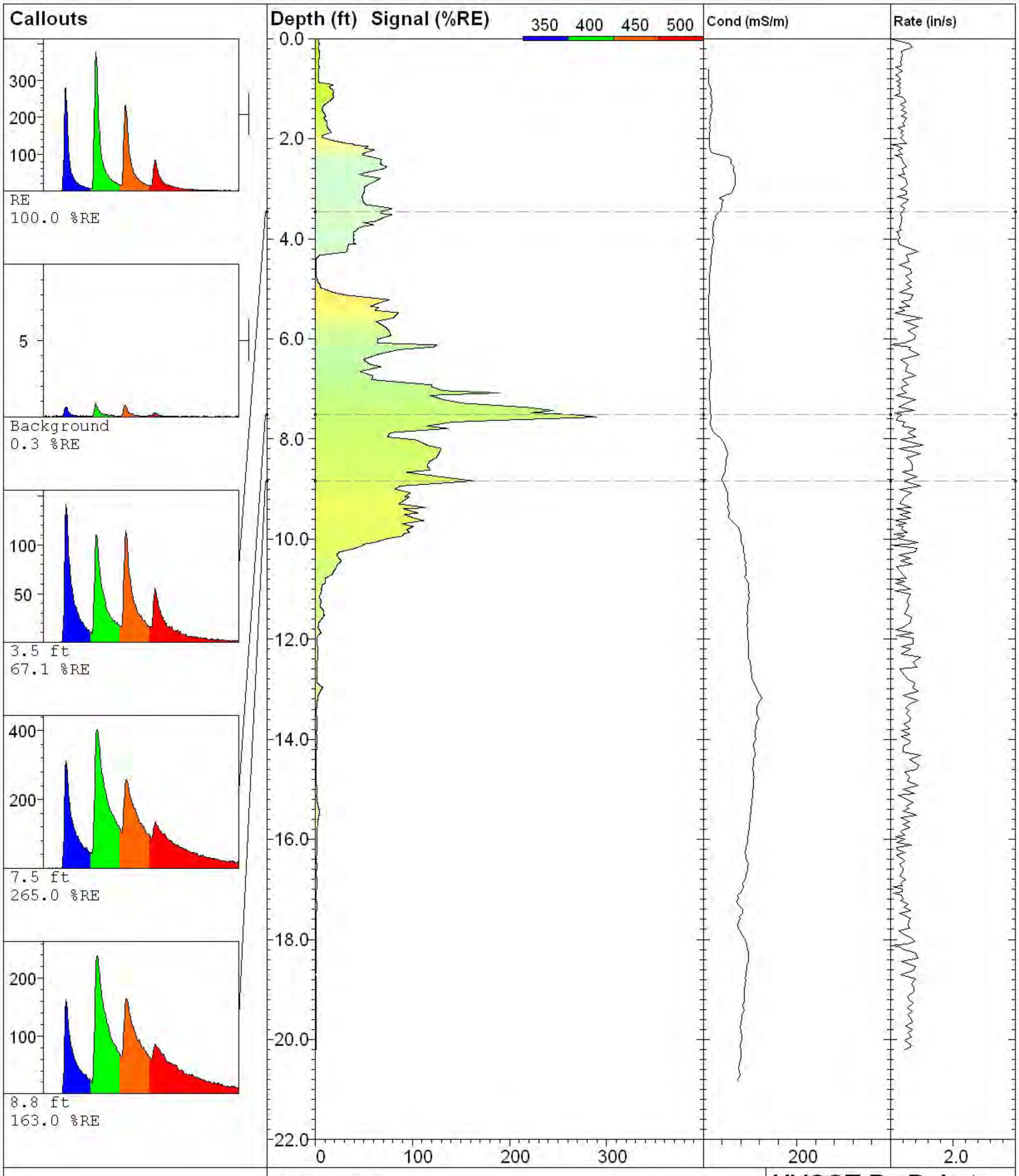
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **22.03 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **81.5 % @ 3.40 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-21 08:49 EDT**



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LIF-022

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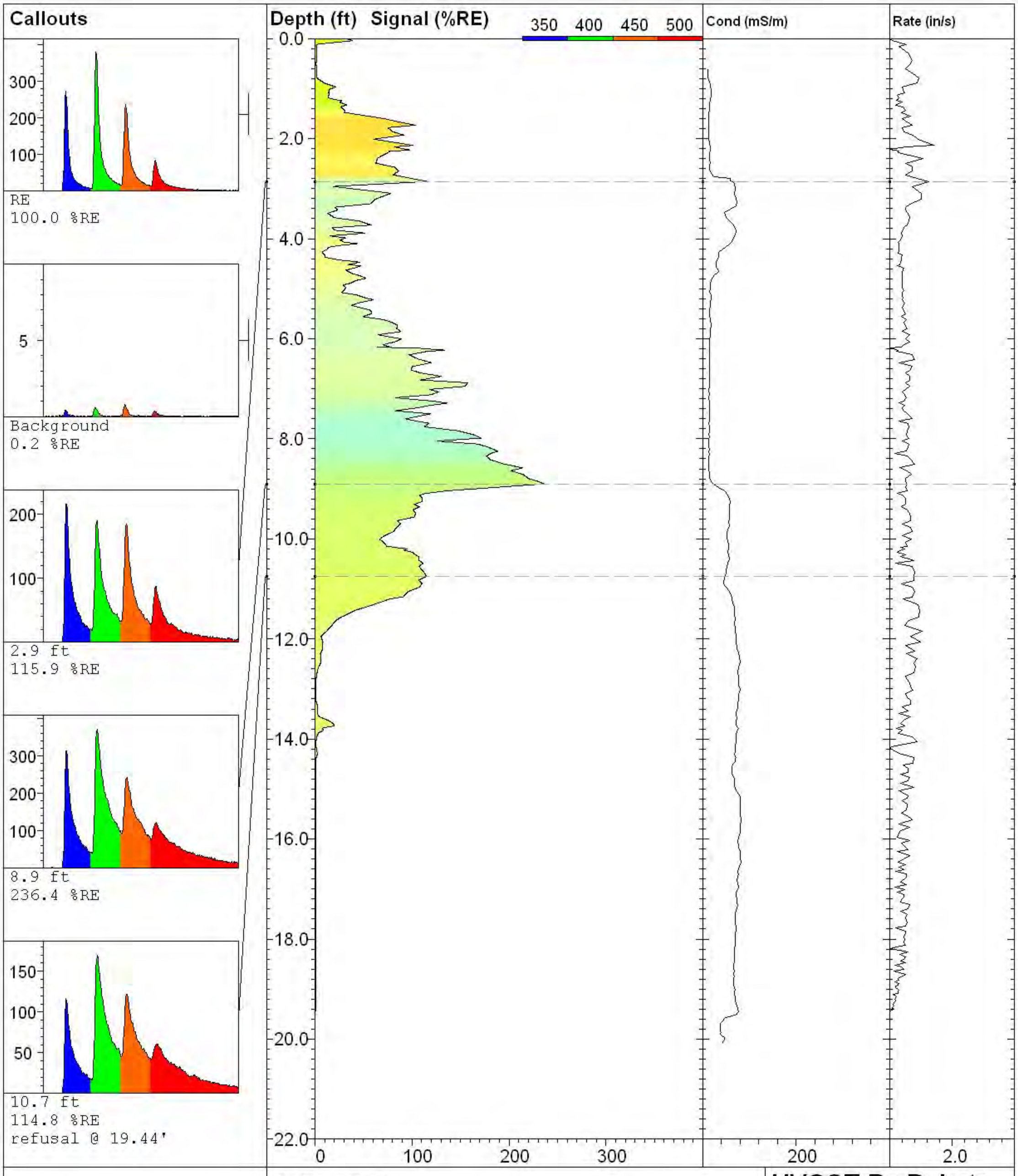
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **20.20 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **290.3 % @ 7.56 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-18 11:50 EDT**



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LIF-023

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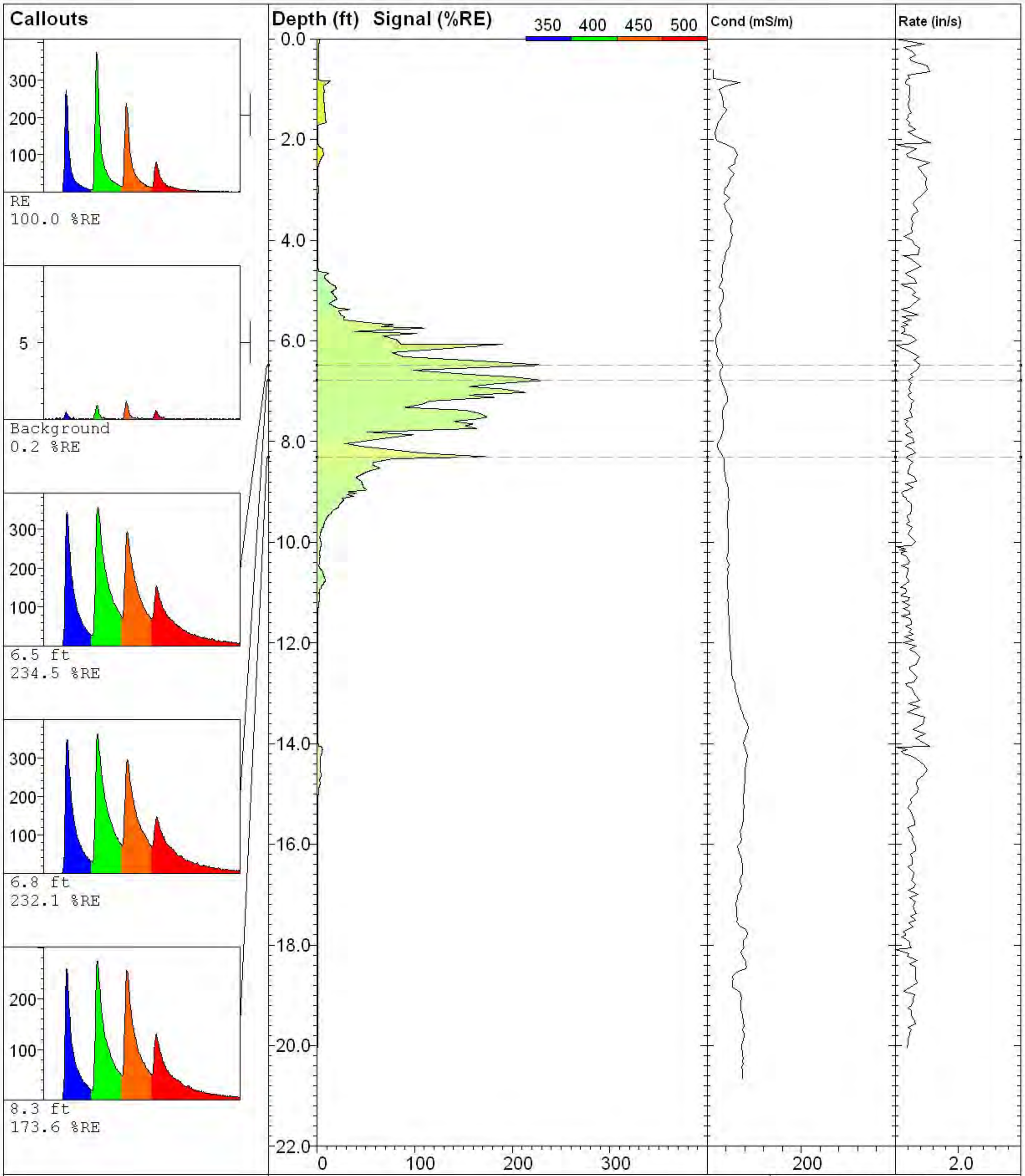
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **19.44 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **236.4 % @ 8.90 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-18 13:27 EDT**



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LIF-024

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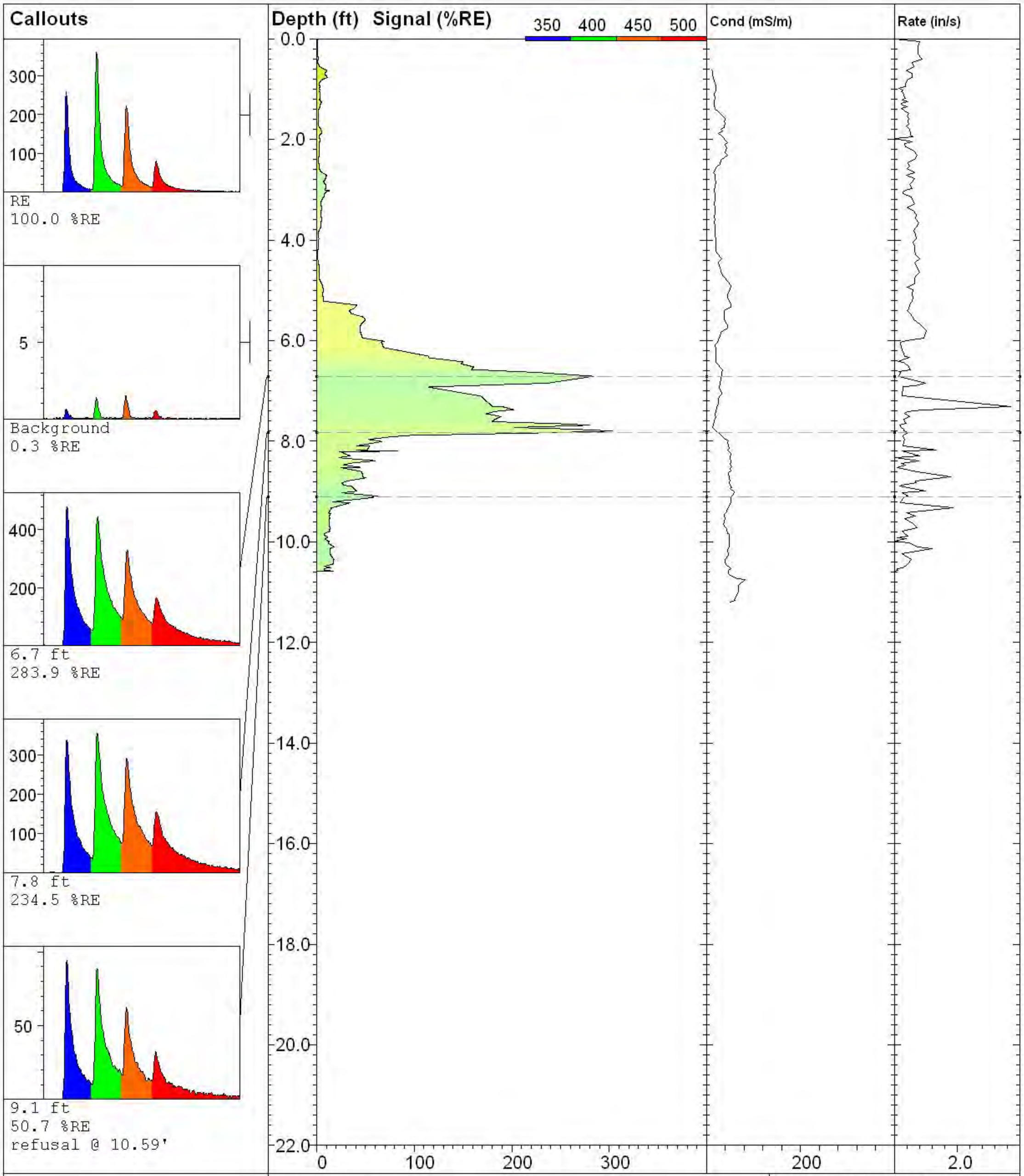
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **20.03 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **234.5 % @ 6.48 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-18 15:04 EDT**



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LIF-025

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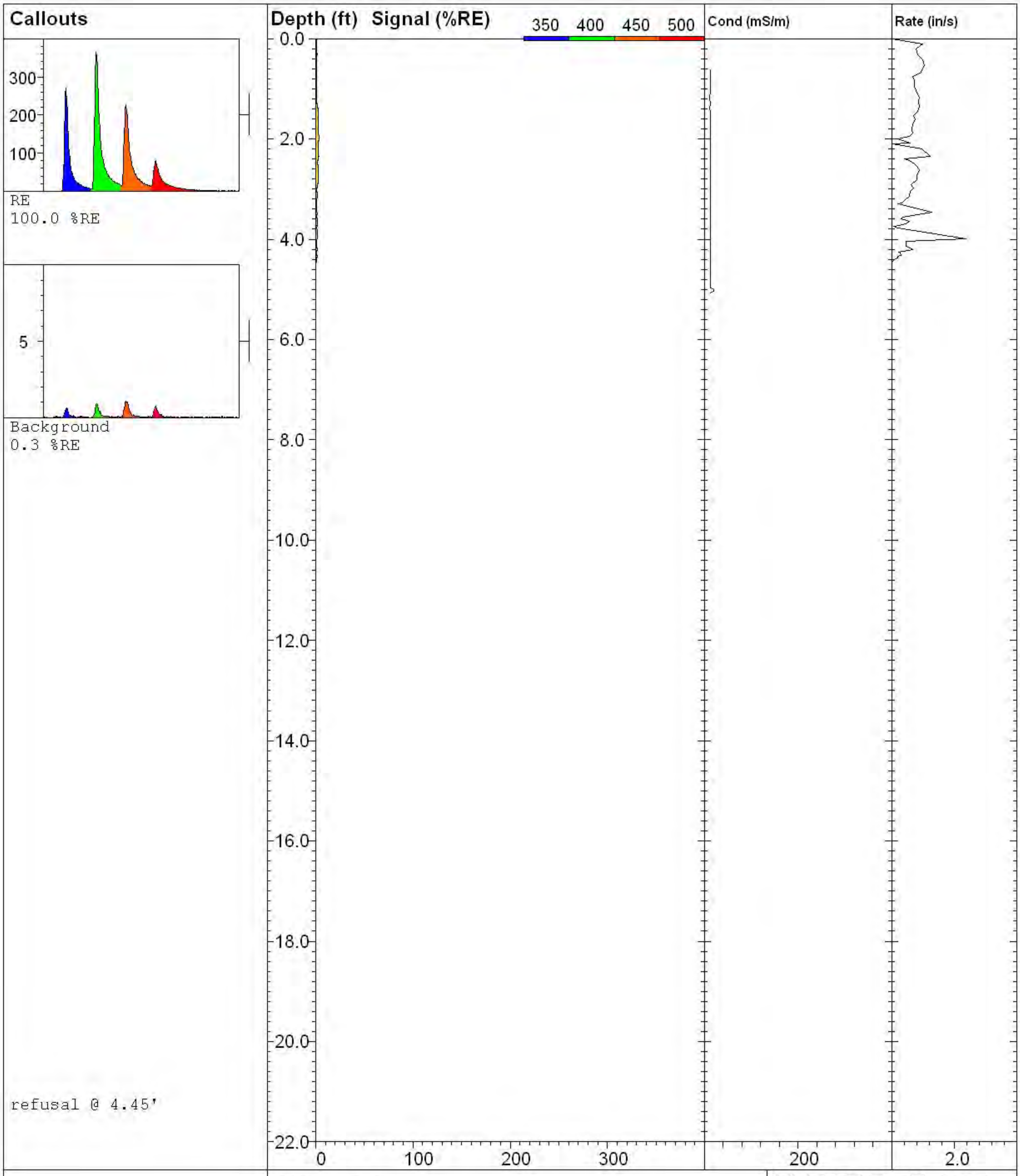
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **10.59 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **303.6 % @ 7.80 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-19 09:59 EDT**



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LIF-026

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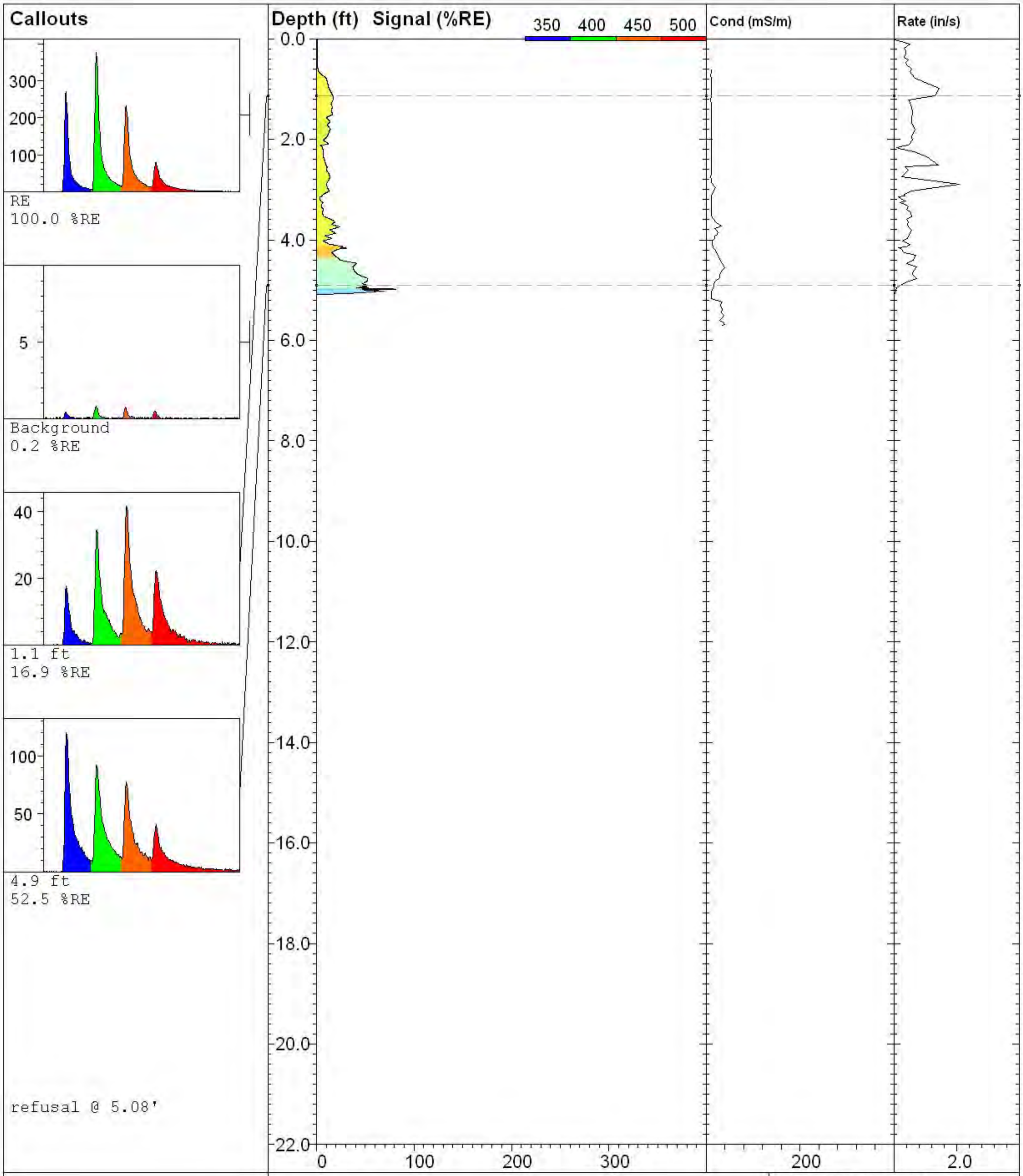
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **4.45 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.3 % @ 1.96 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-19 10:47 EDT**



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LIF-027

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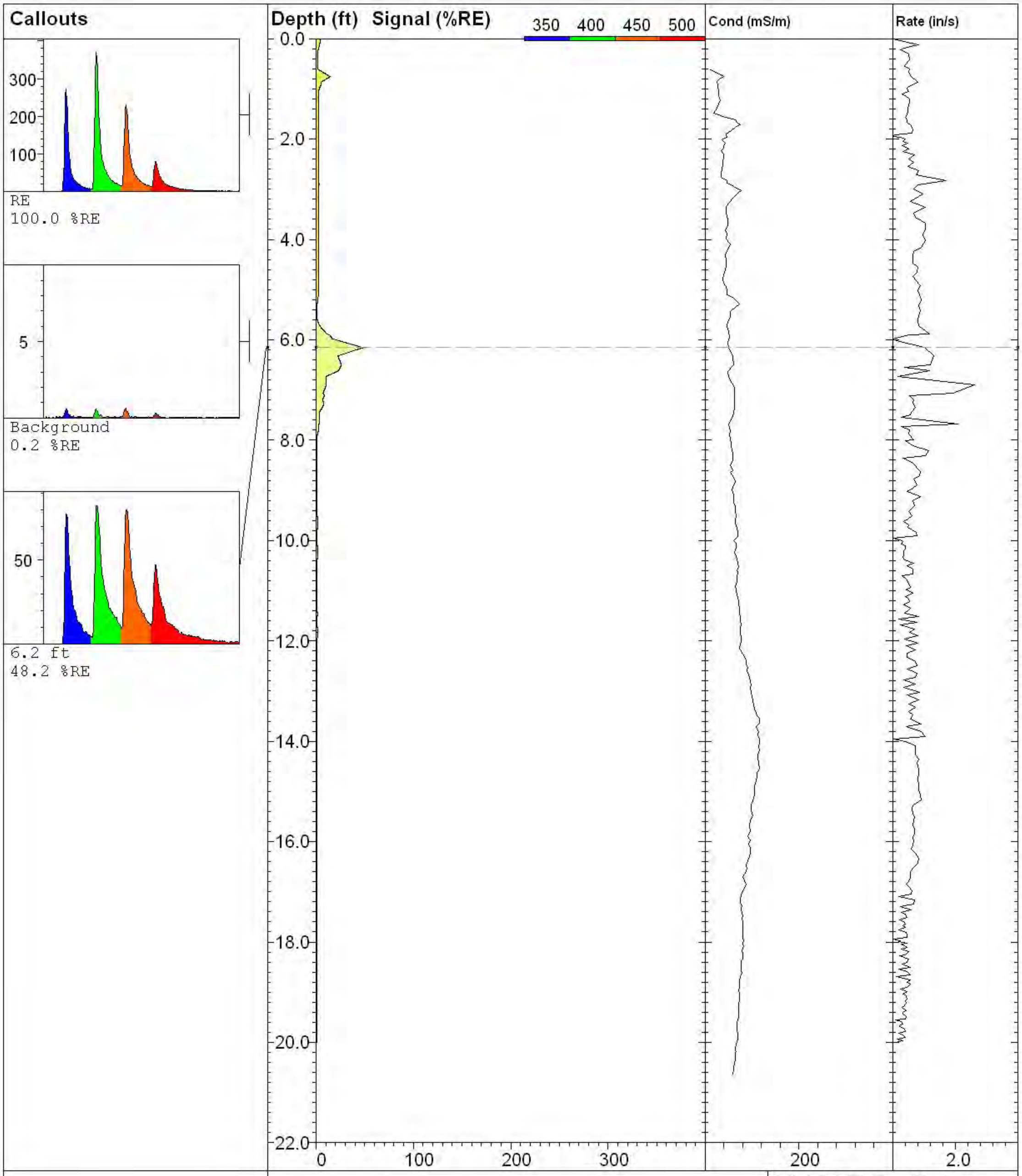
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **5.08 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **81.9 % @ 4.98 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-18 11:34 EDT**



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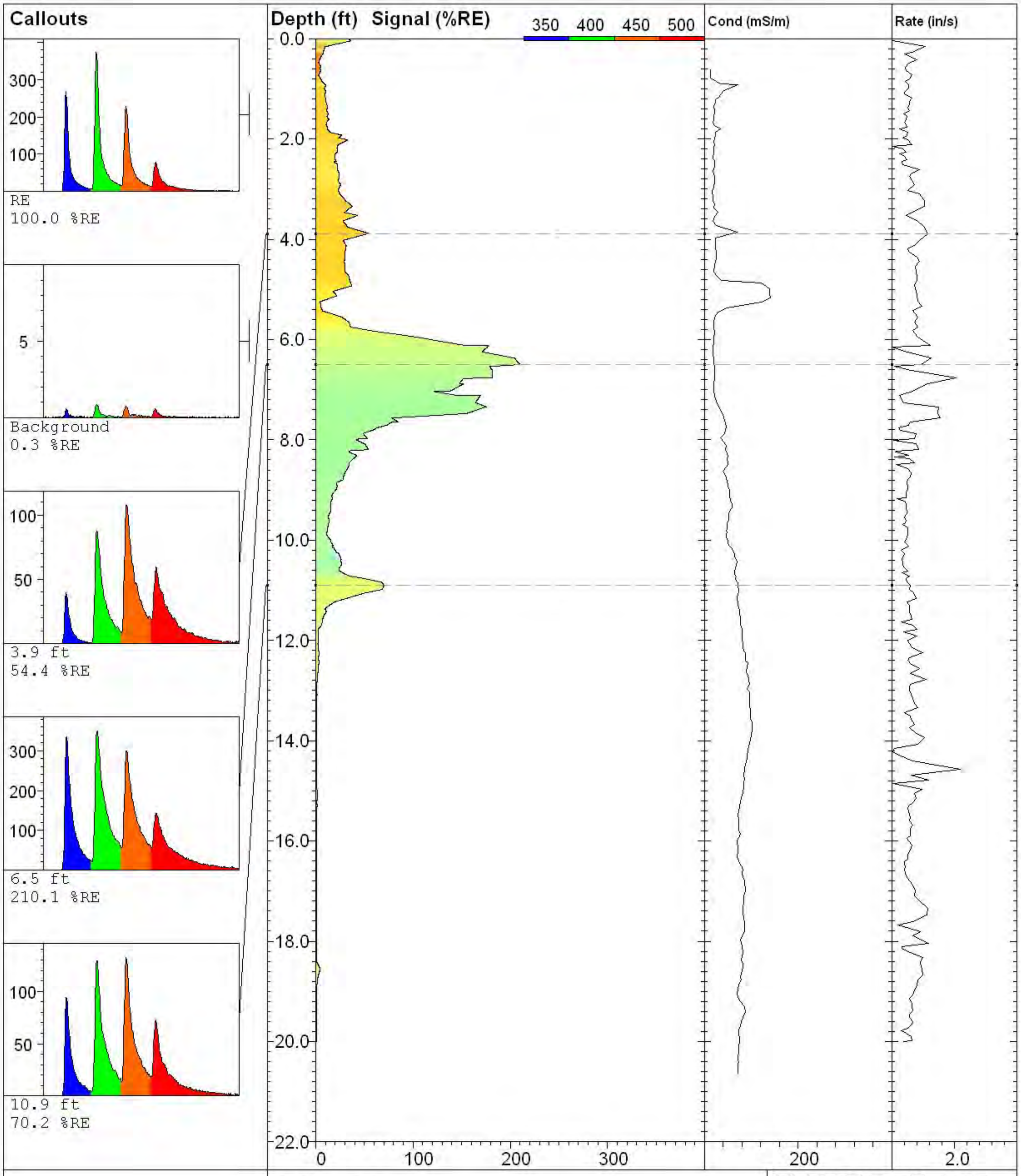
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **20.01 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **48.2 % @ 6.16 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-18 13:56 EDT**



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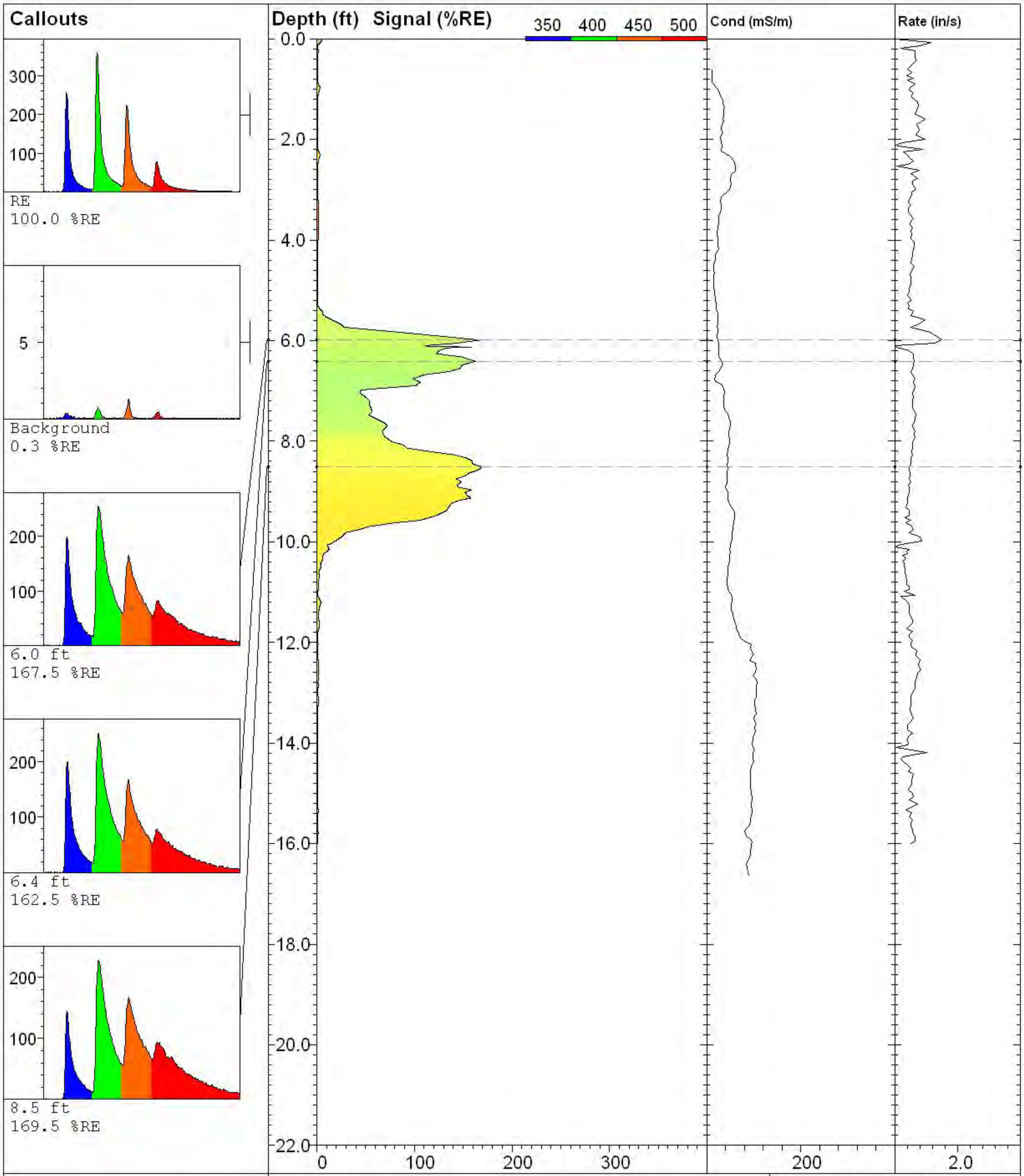
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **20.01 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **210.1 % @ 6.50 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-18 14:30 EDT**



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LIF-030

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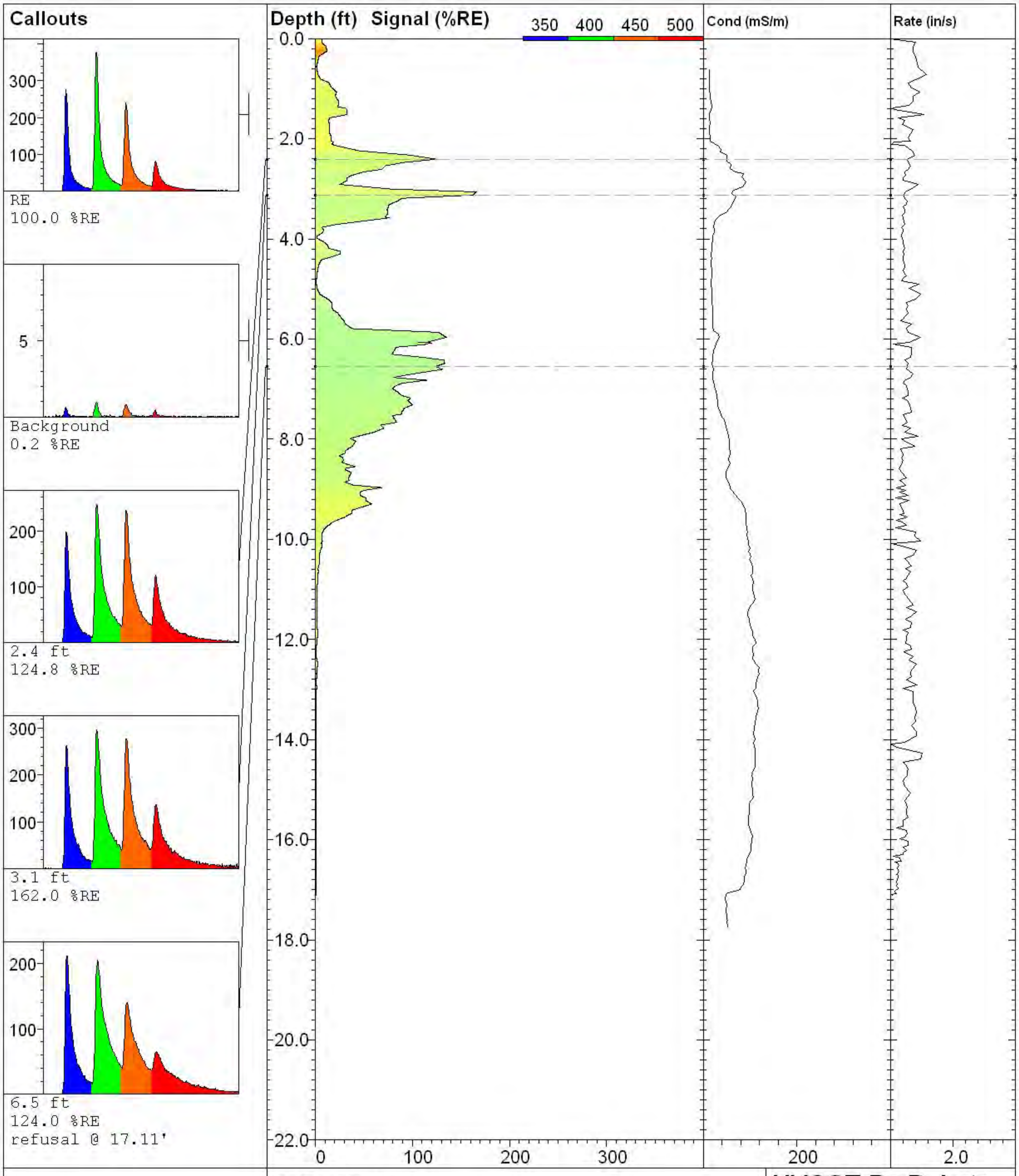
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.01 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **169.5 % @ 8.51 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-19 09:03 EDT**



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LIF-031

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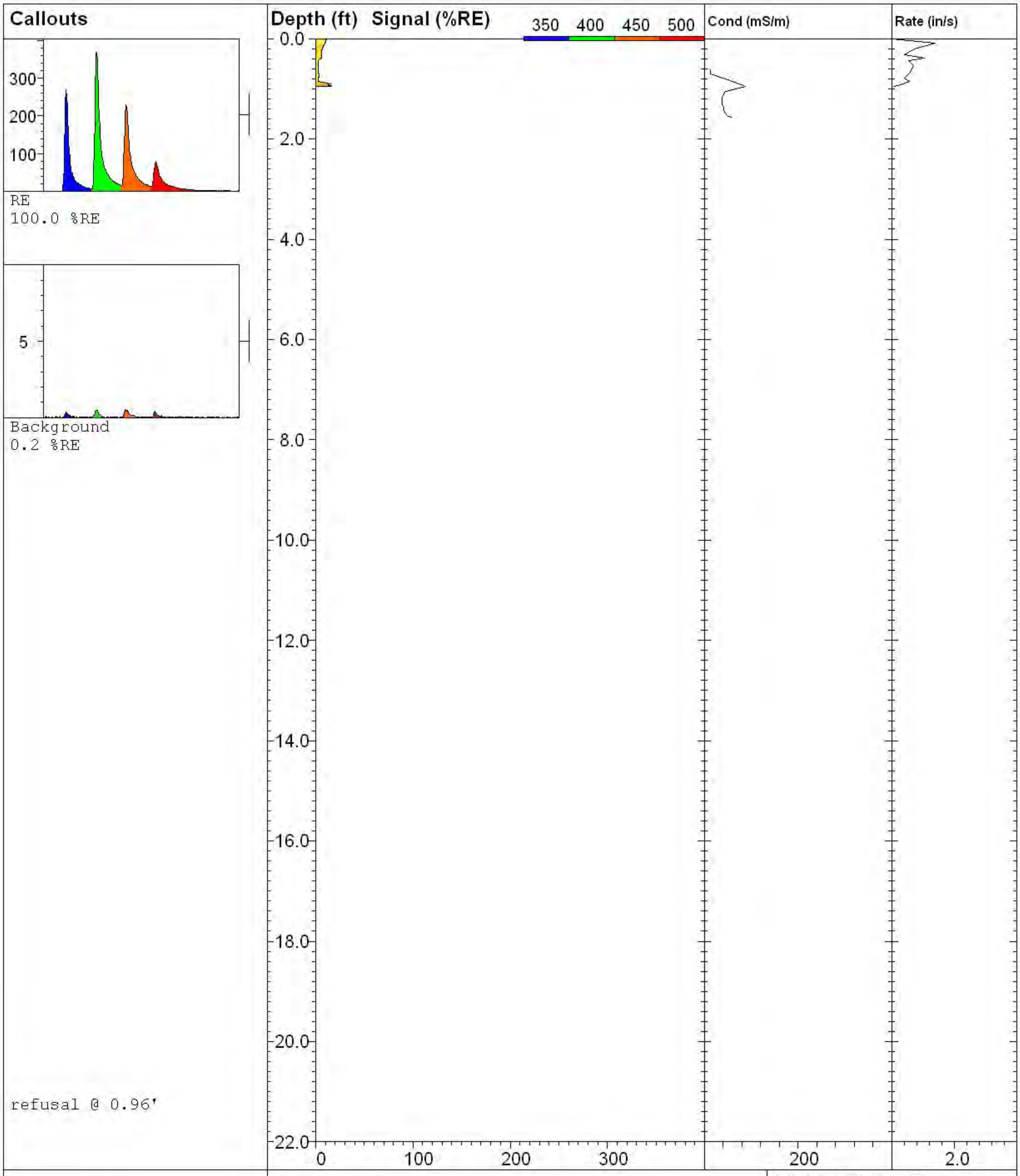
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **17.11 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **166.1 % @ 3.06 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-18 15:53 EDT**



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LIF-032

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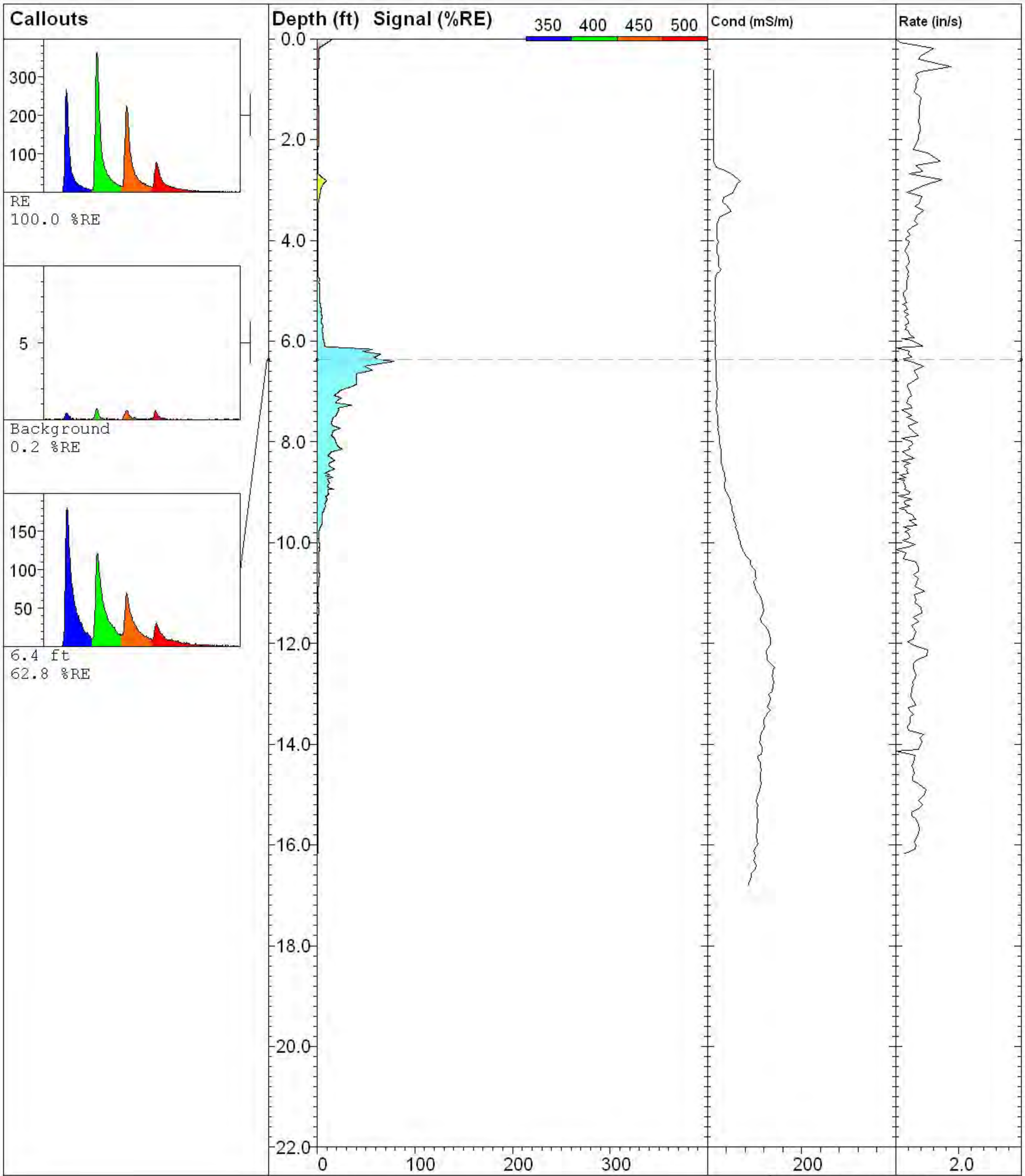
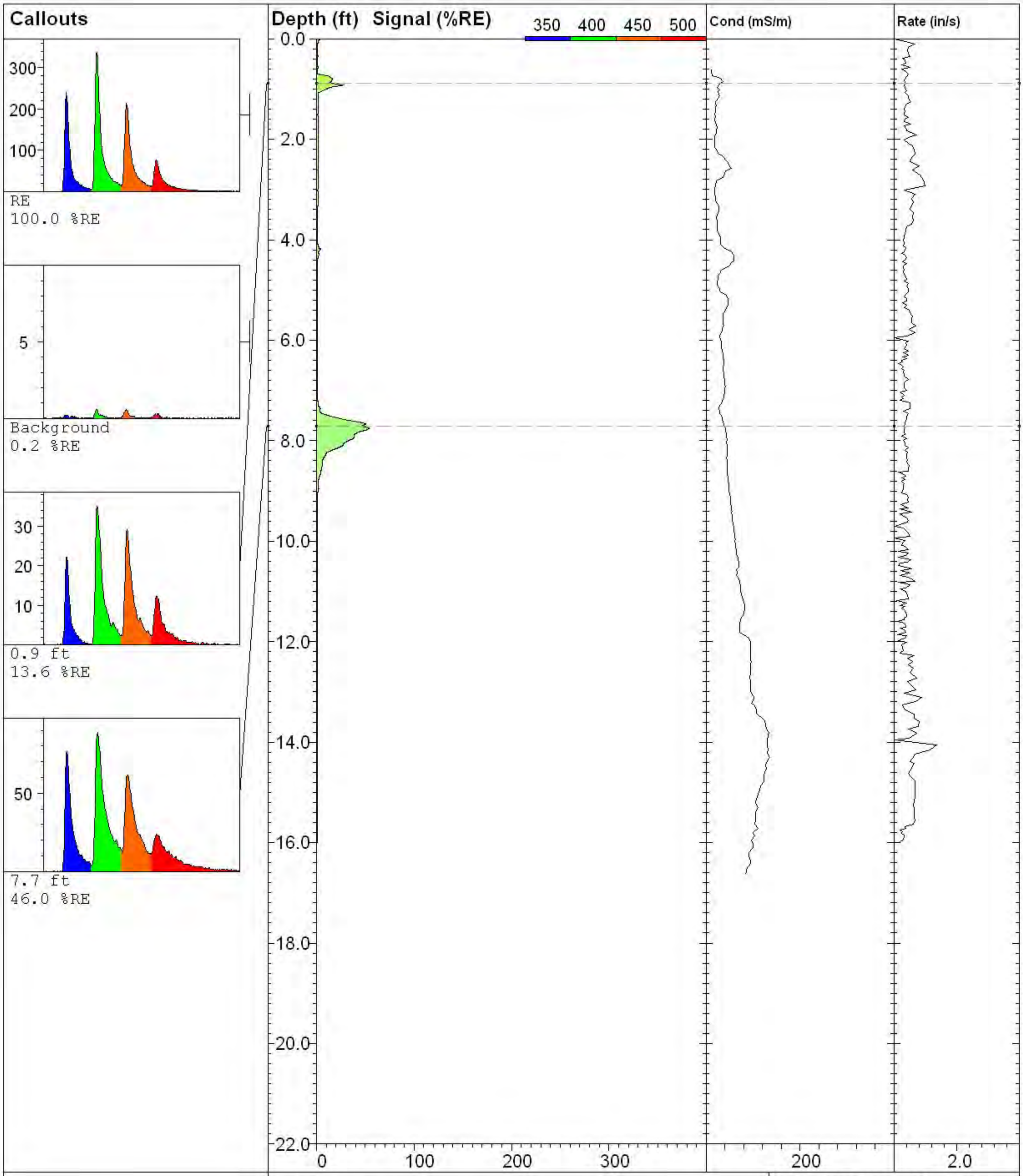
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **0.96 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **16.9 % @ 0.94 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-18 15:30 EDT**



MATRIX ENVIRONMENTAL LLC 8531 Jefferson Highway Osseo, MN 55369 (763) 424-4803 www.matrixenv.com	**LIF-033**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.17 ft**
	Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **78.7 % @ 6.40 ft**
	Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-18 16:21 EDT**



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LIF-034

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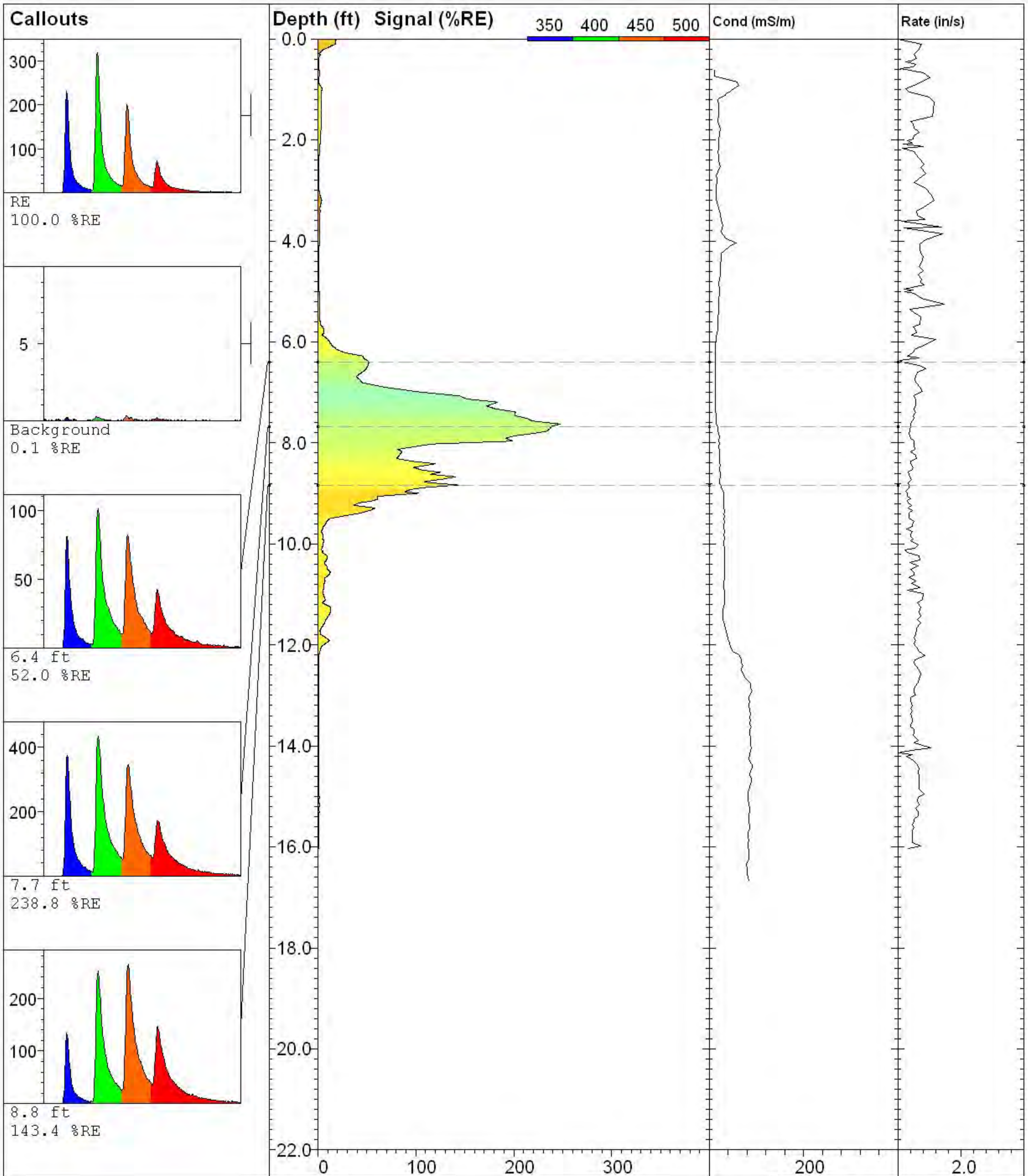
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **54.1 % @ 7.75 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-20 09:57 EDT**



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LIF-035

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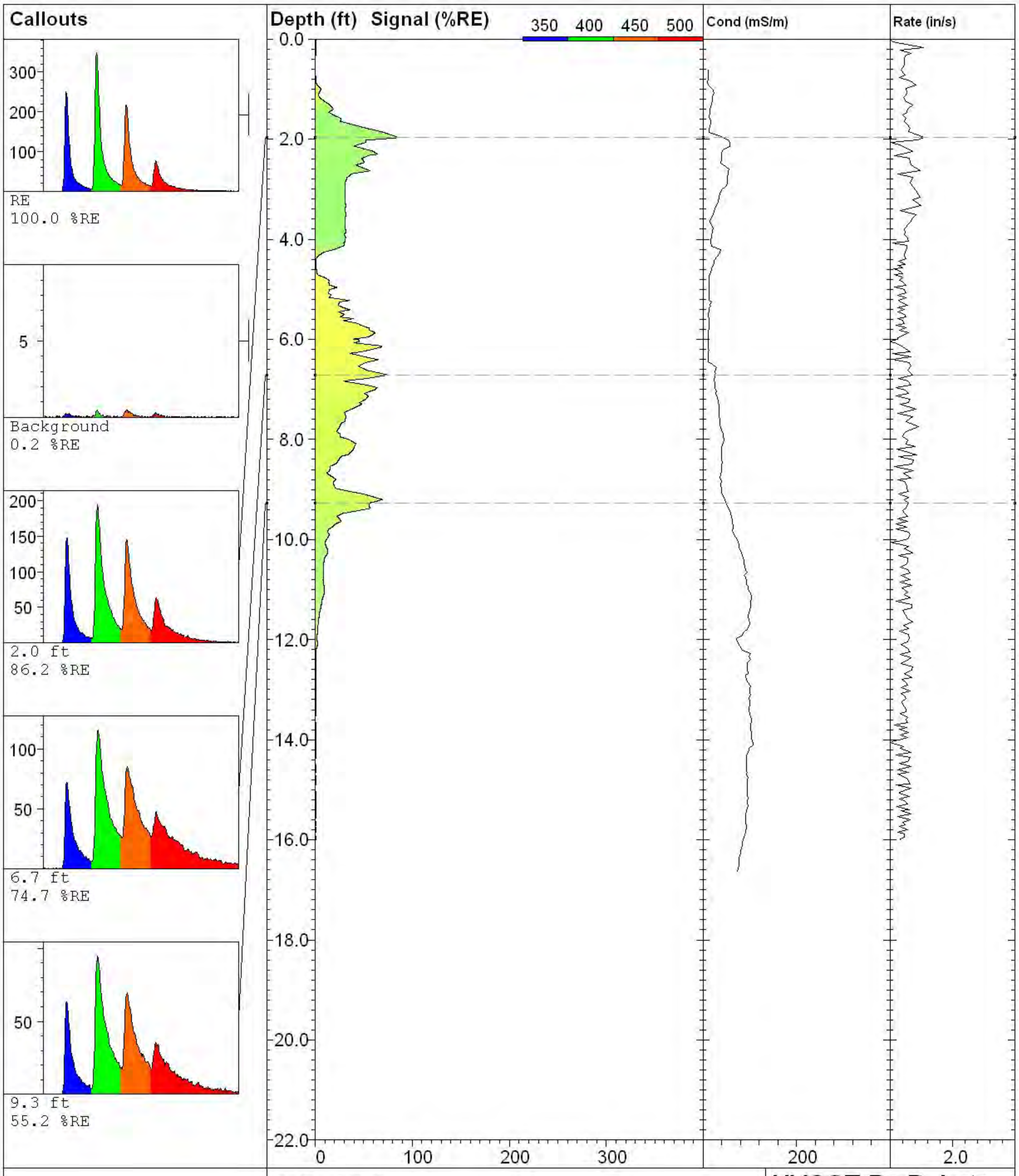
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.04 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **247.2 % @ 7.62 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-20 09:35 EDT**



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LIF-036

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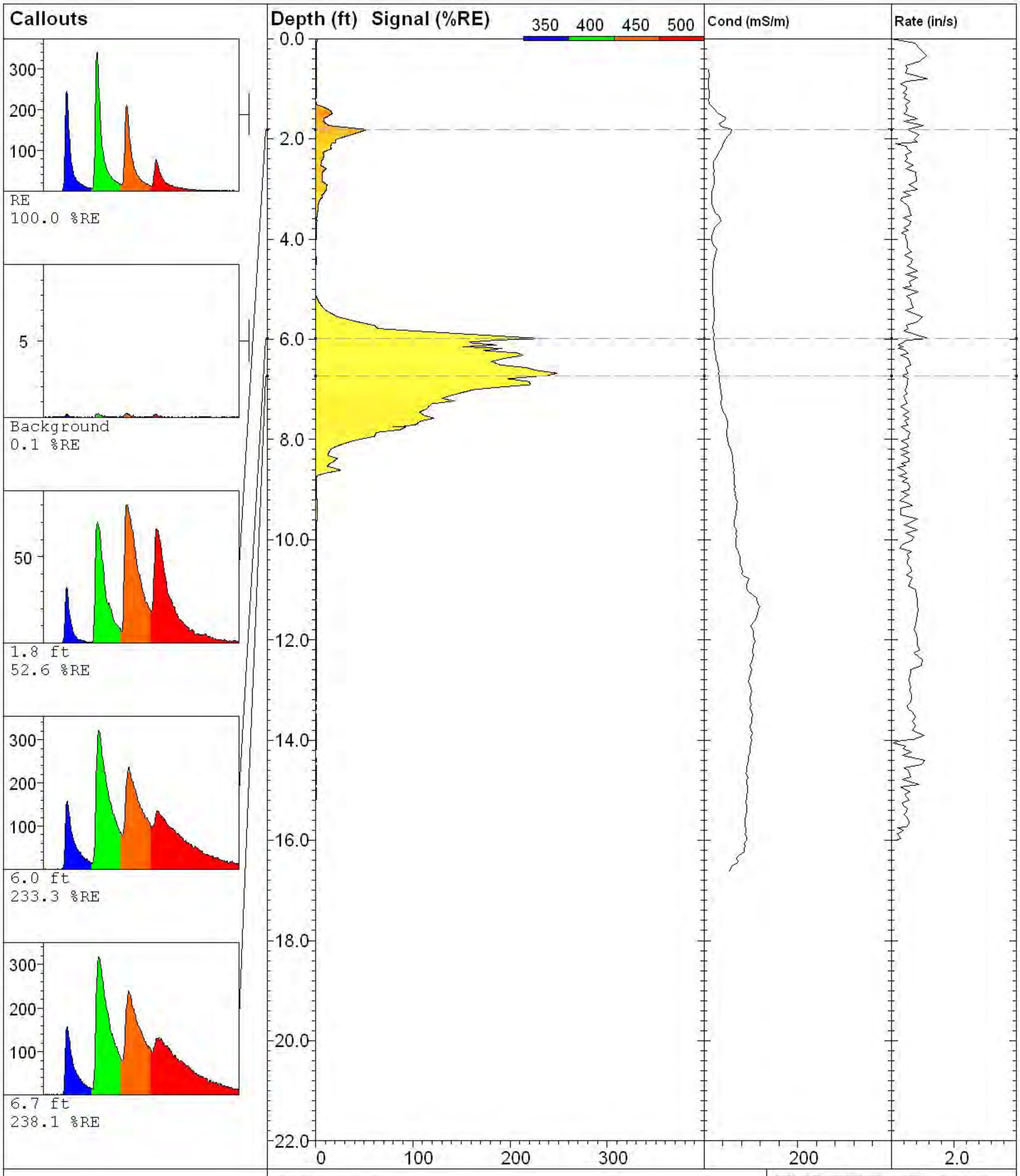
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **86.2 % @ 1.97 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-20 08:34 EDT**



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LIF-037

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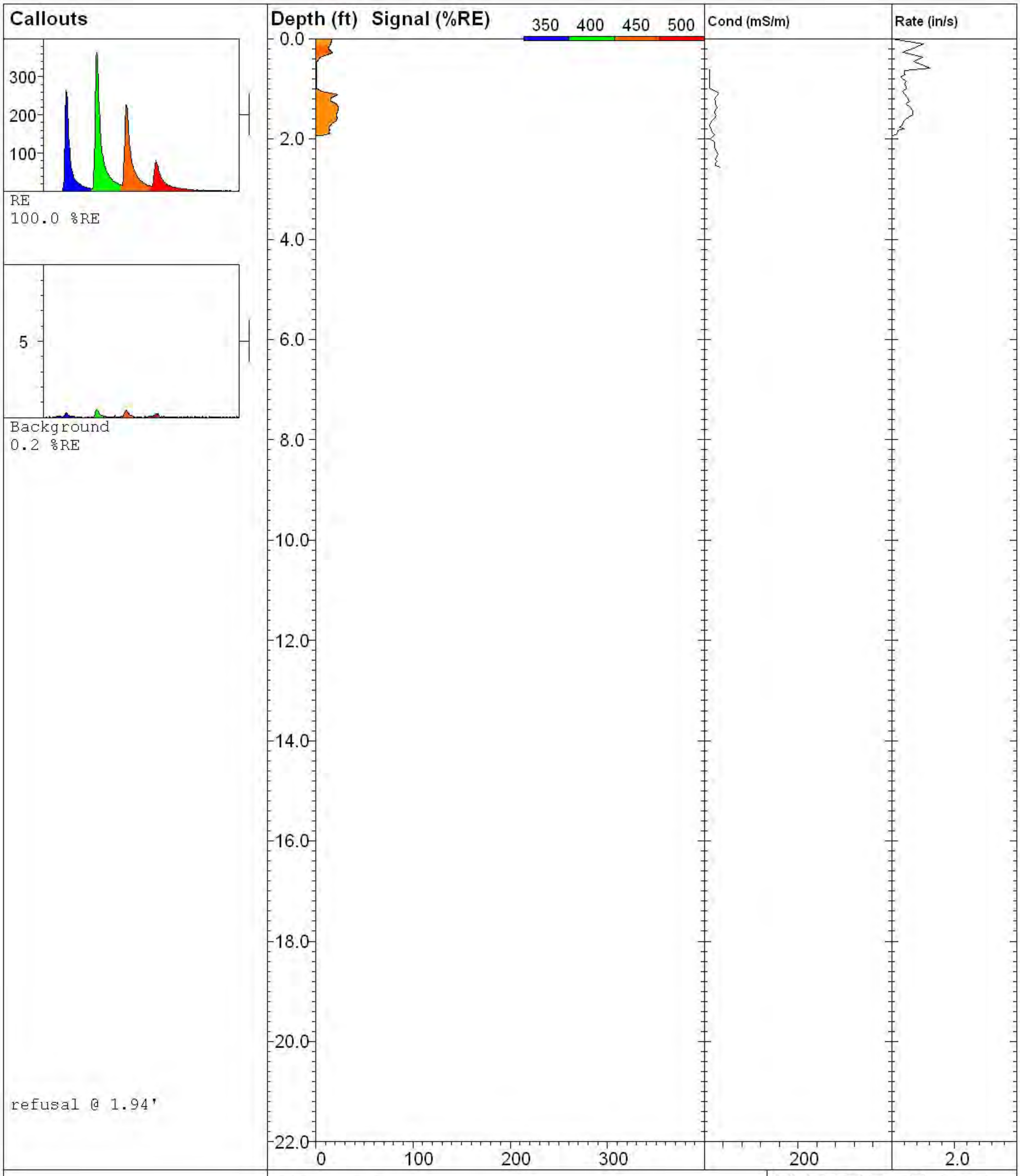
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **248.7 % @ 6.68 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-20 08:12 EDT**



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LIF-038

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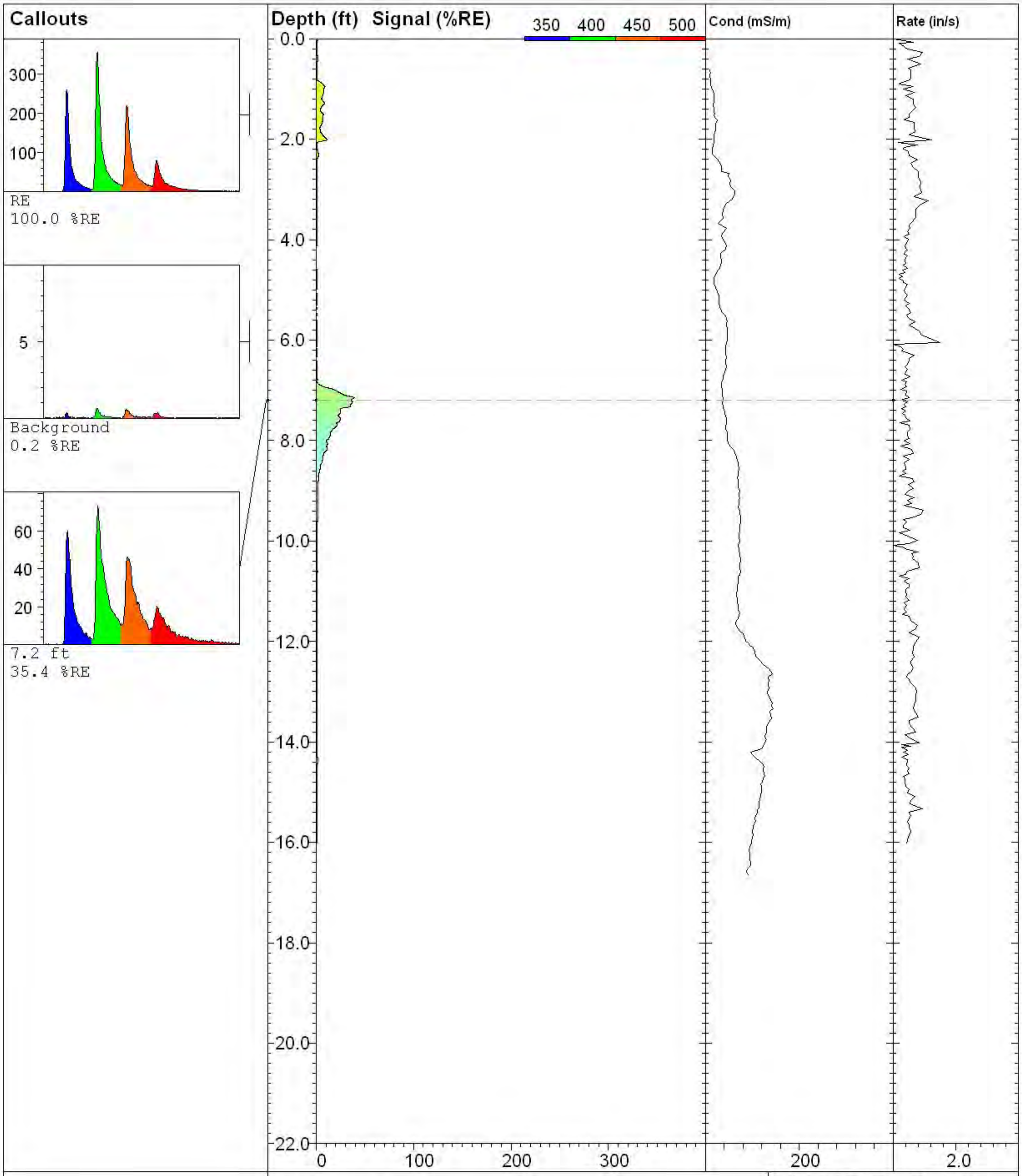
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **1.94 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **23.5 % @ 1.37 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-19 08:48 EDT**



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LIF-039

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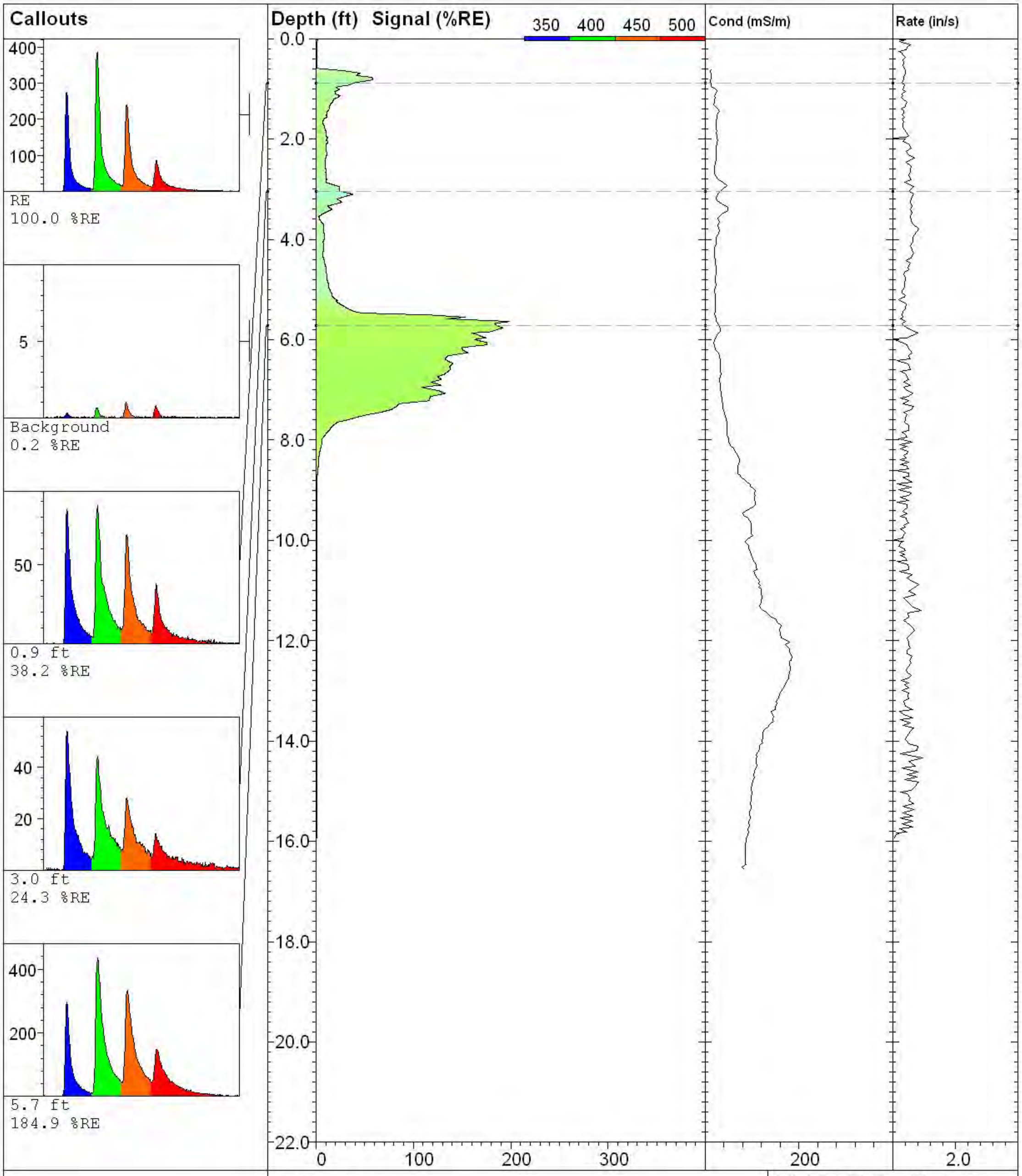
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.01 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **39.2 % @ 7.15 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-19 08:21 EDT**



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LIF-040

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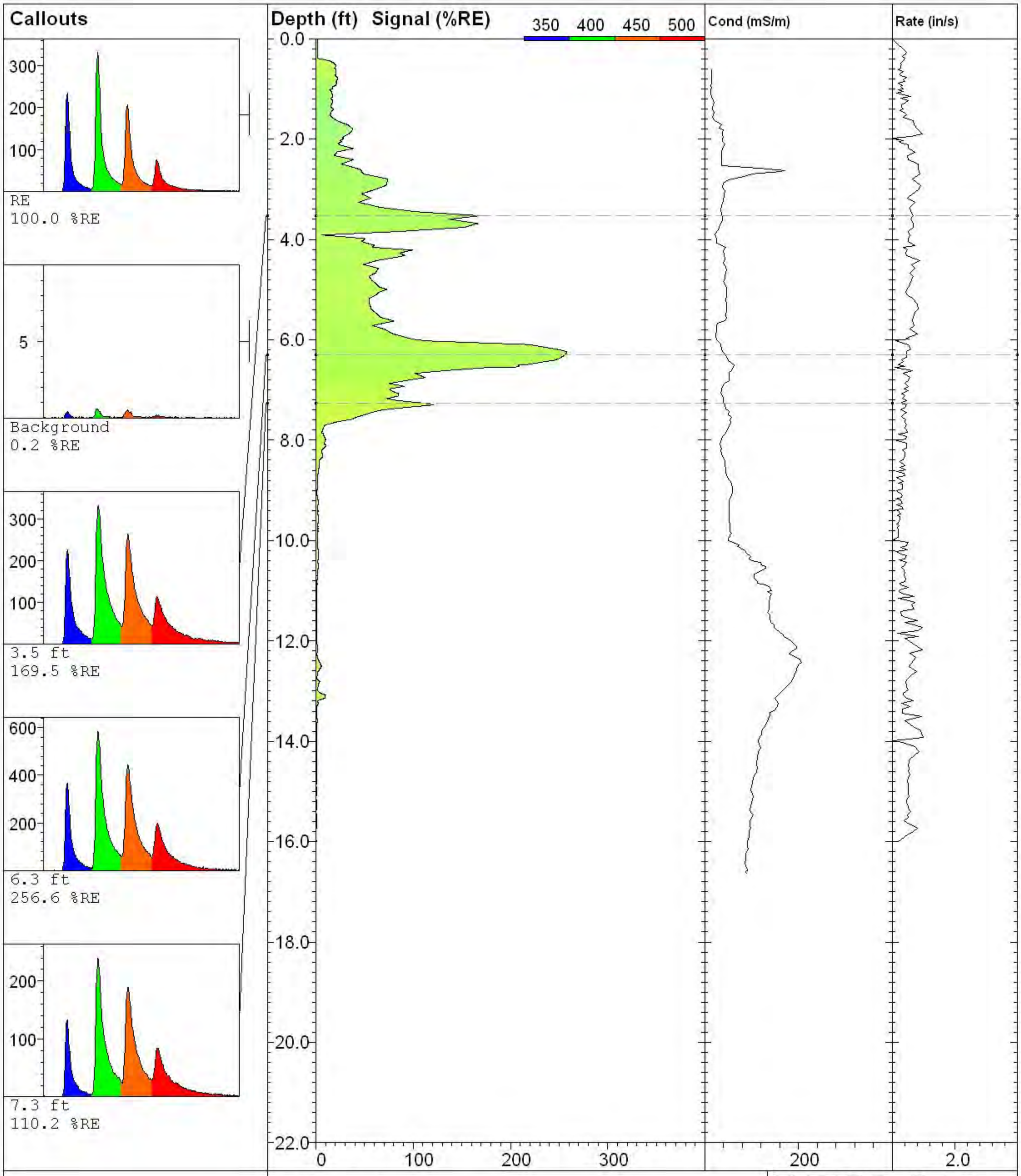
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.93 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **199.1 % @ 5.64 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-21 17:22 EDT**



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LIF-041

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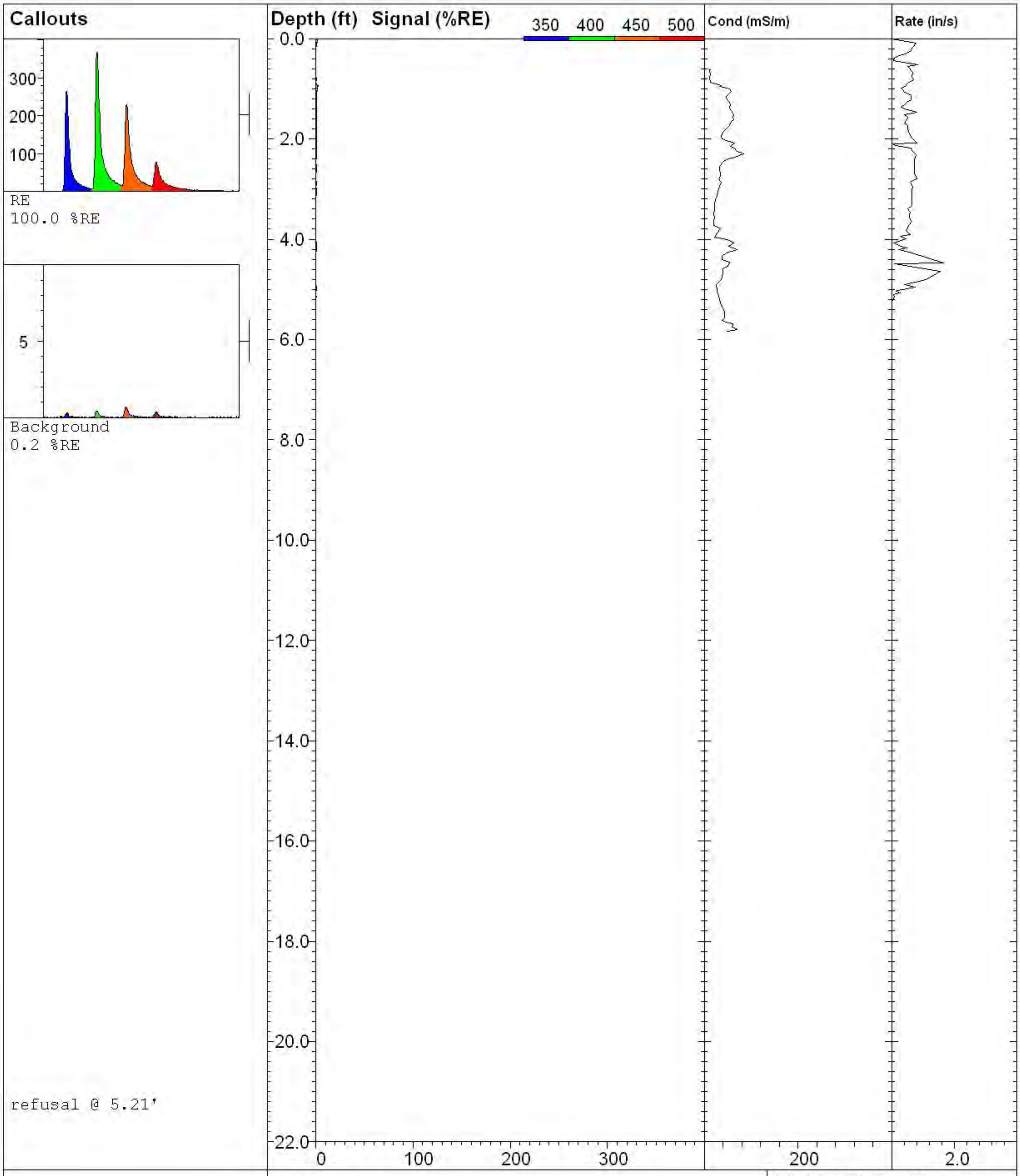
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **258.2 % @ 6.24 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-20 16:06 EDT**



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LIF-042

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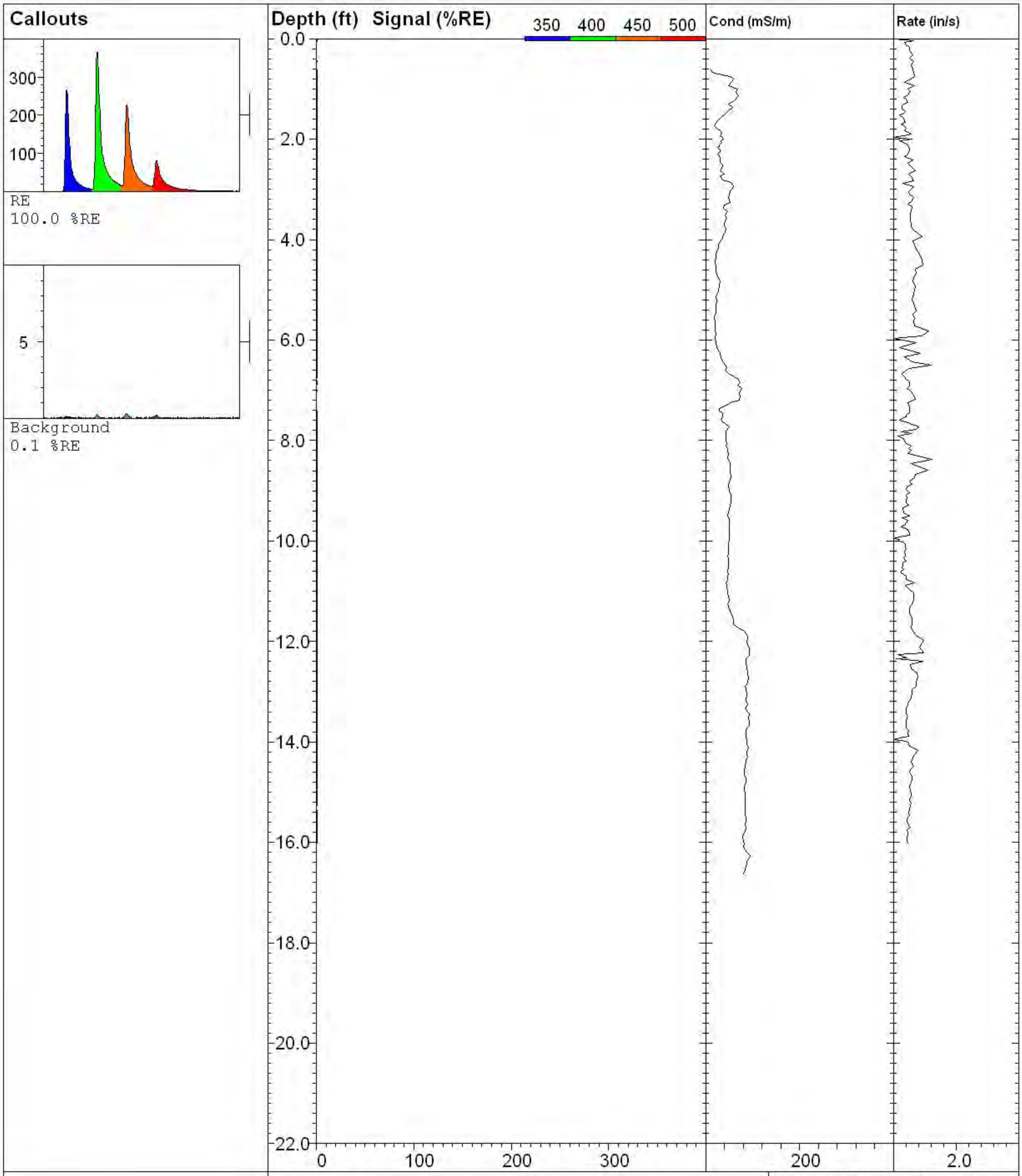
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **5.21 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.3 % @ 0.95 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-21 16:49 EDT**



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LIF-043

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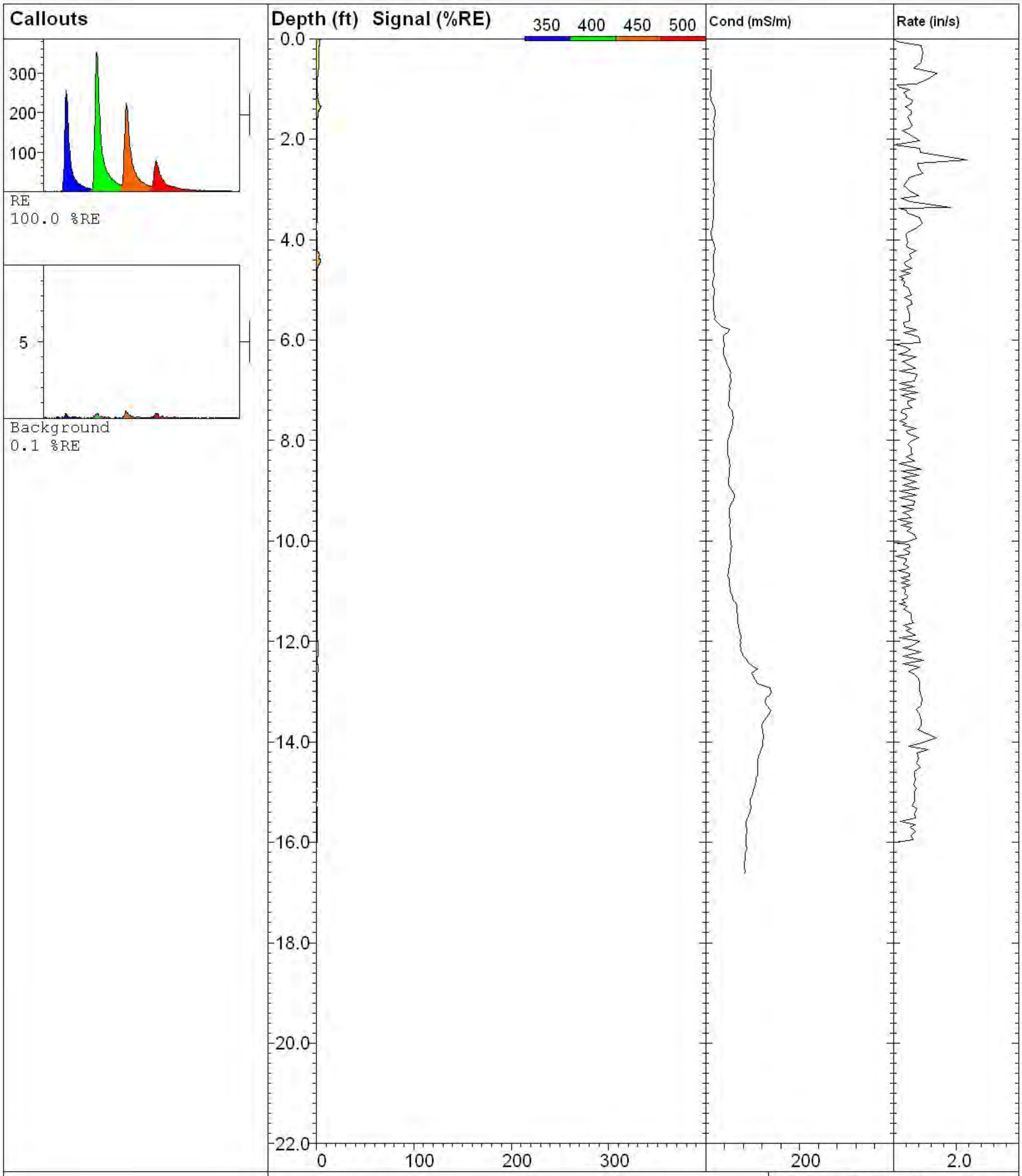
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.02 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.0 % @ 0.00 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-21 16:25 EDT**



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LIF-044

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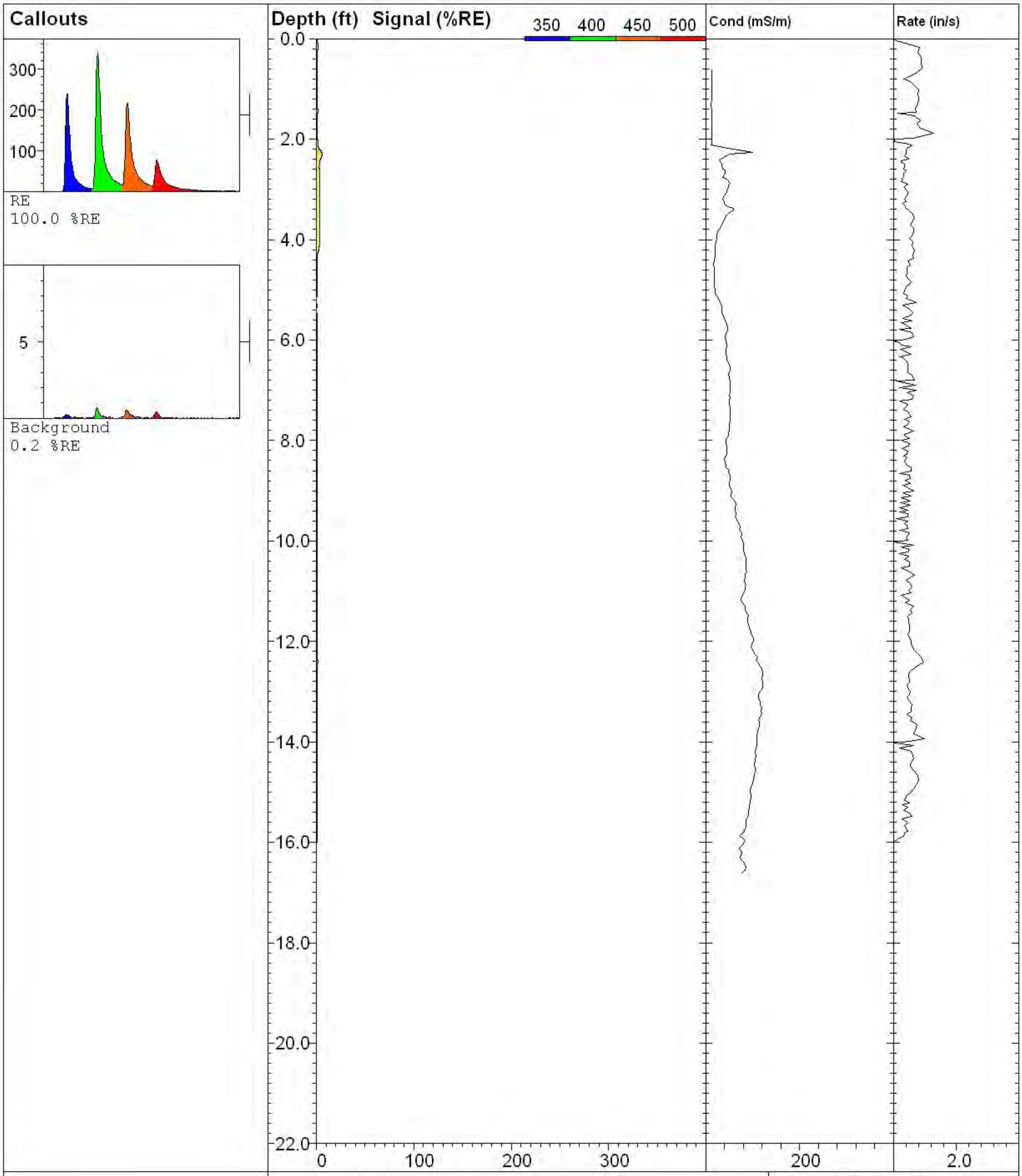
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **4.8 % @ 1.36 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-20 08:58 EDT**



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LIF-047

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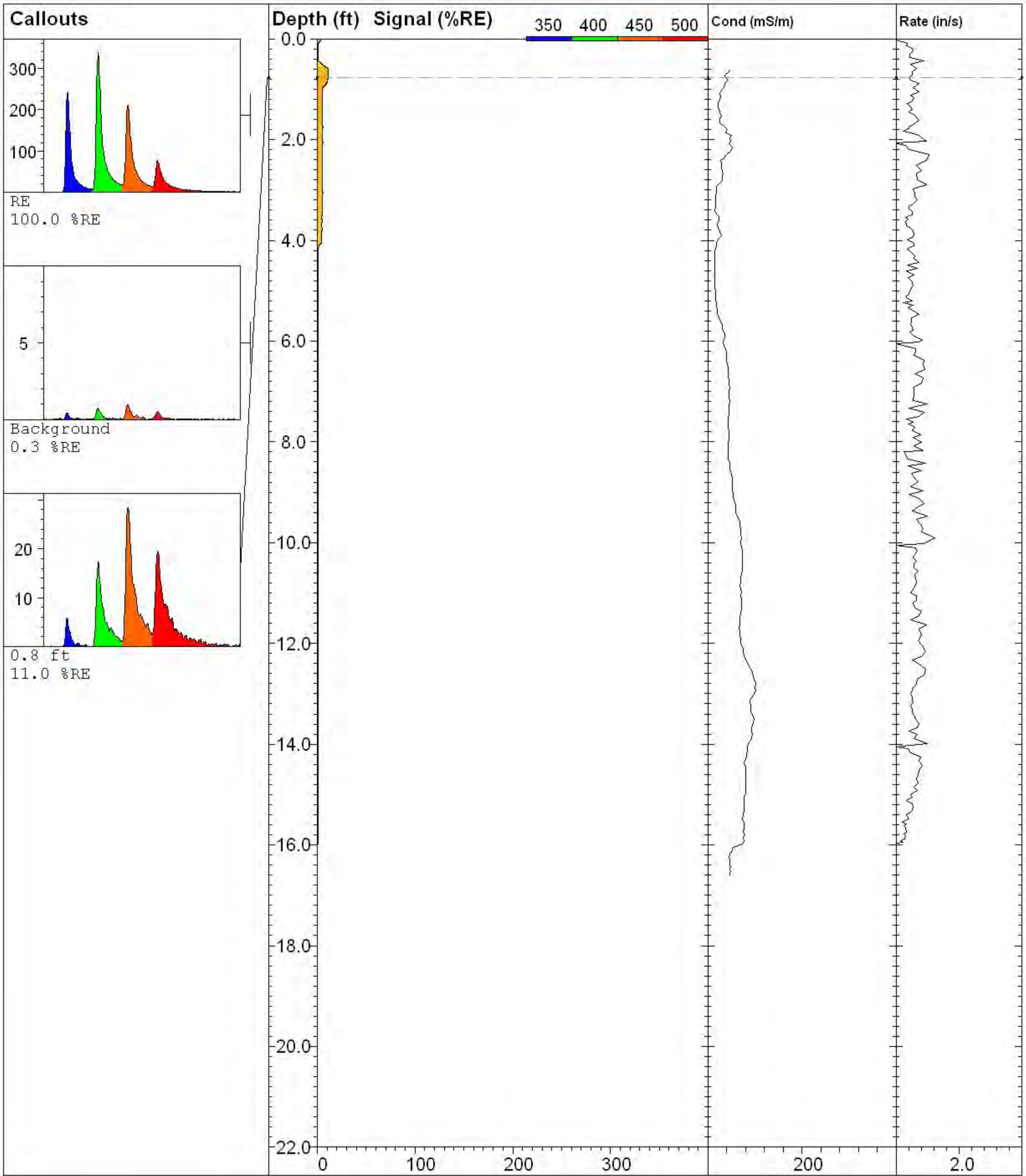
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **5.7 % @ 2.29 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-20 10:23 EDT**



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LIF-050

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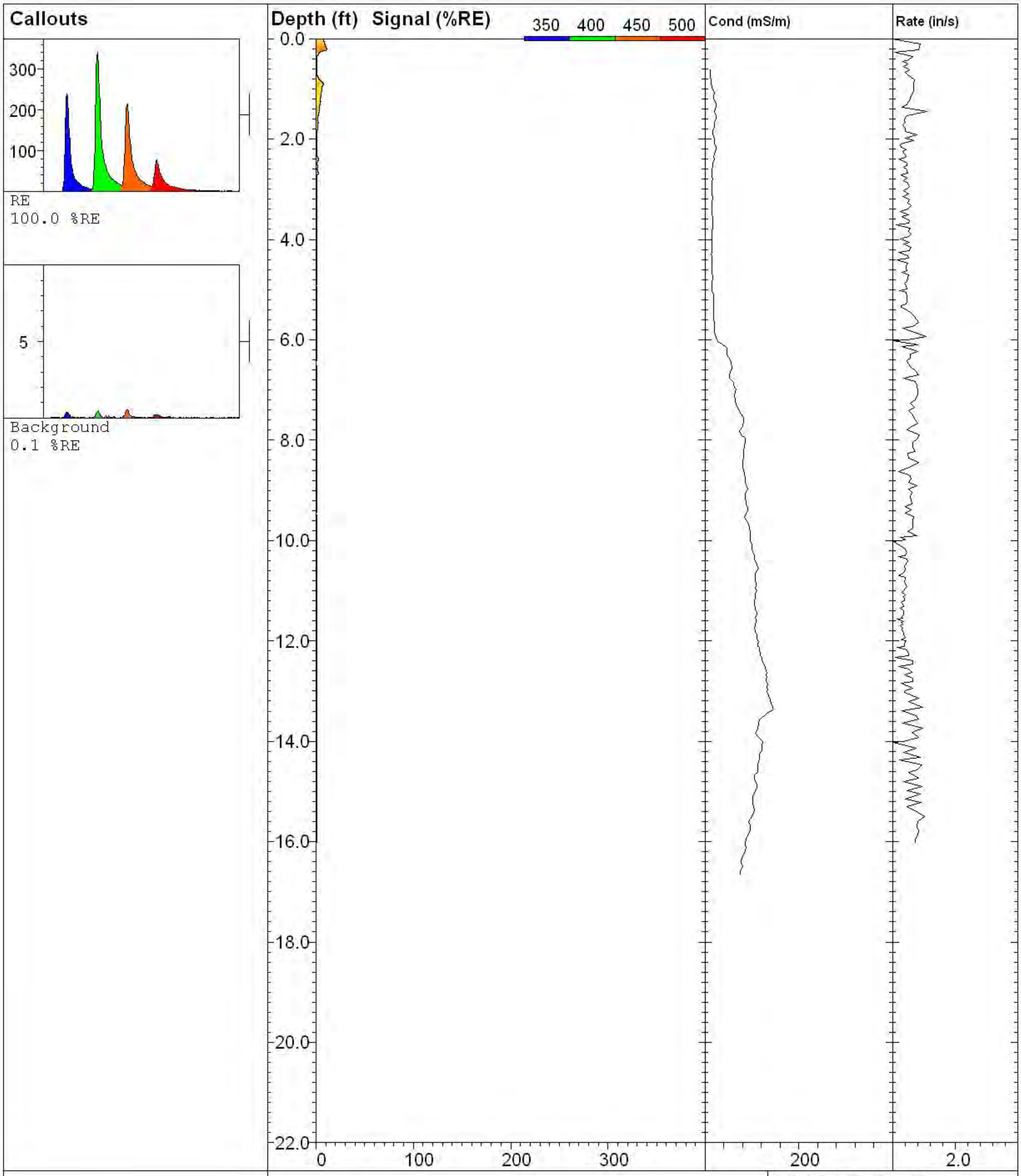
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.98 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **11.2 % @ 0.72 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-20 10:52 EDT**



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LIF-052

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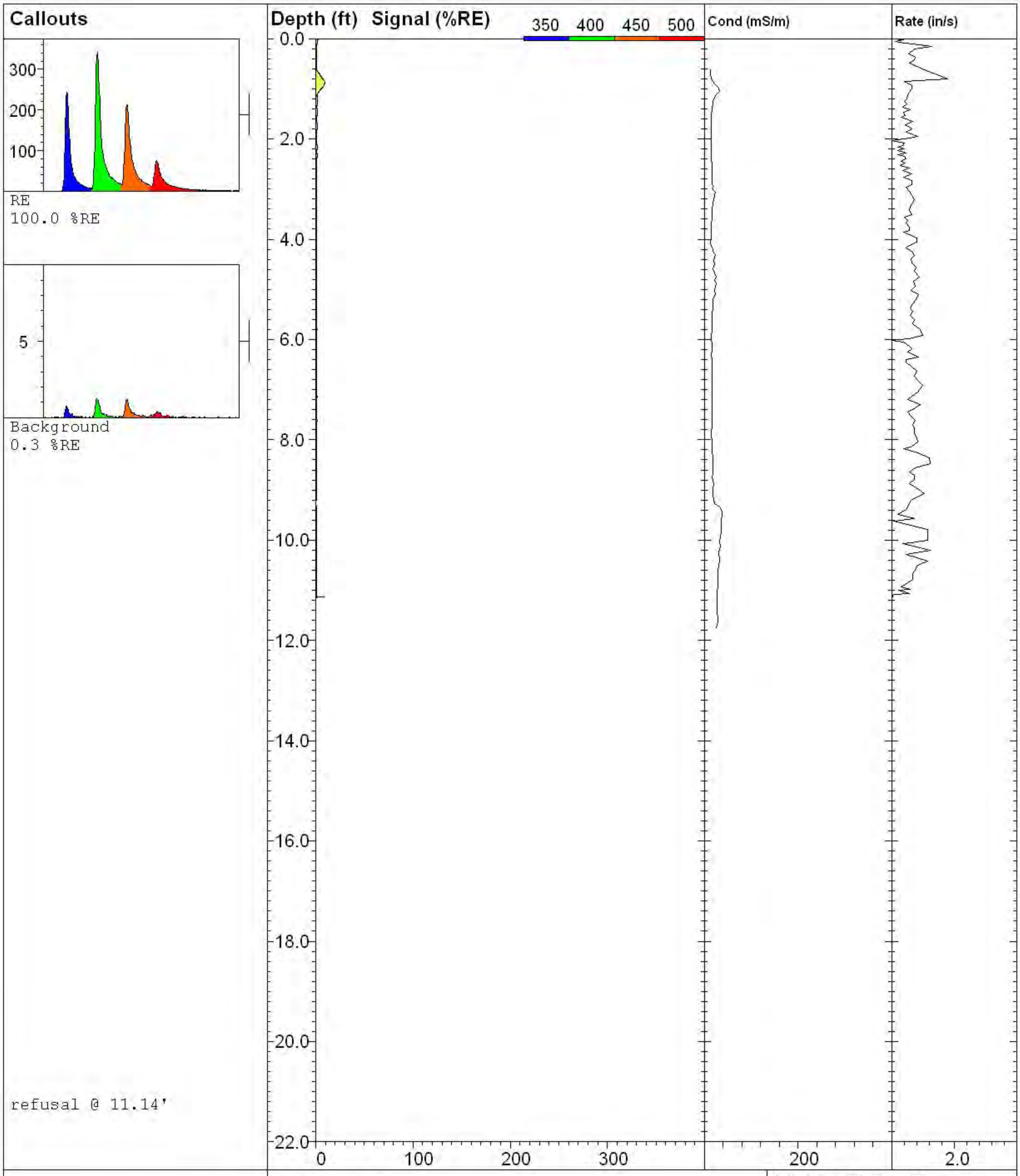
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.02 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **11.5 % @ 0.23 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-20 15:00 EDT**



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LIF-053

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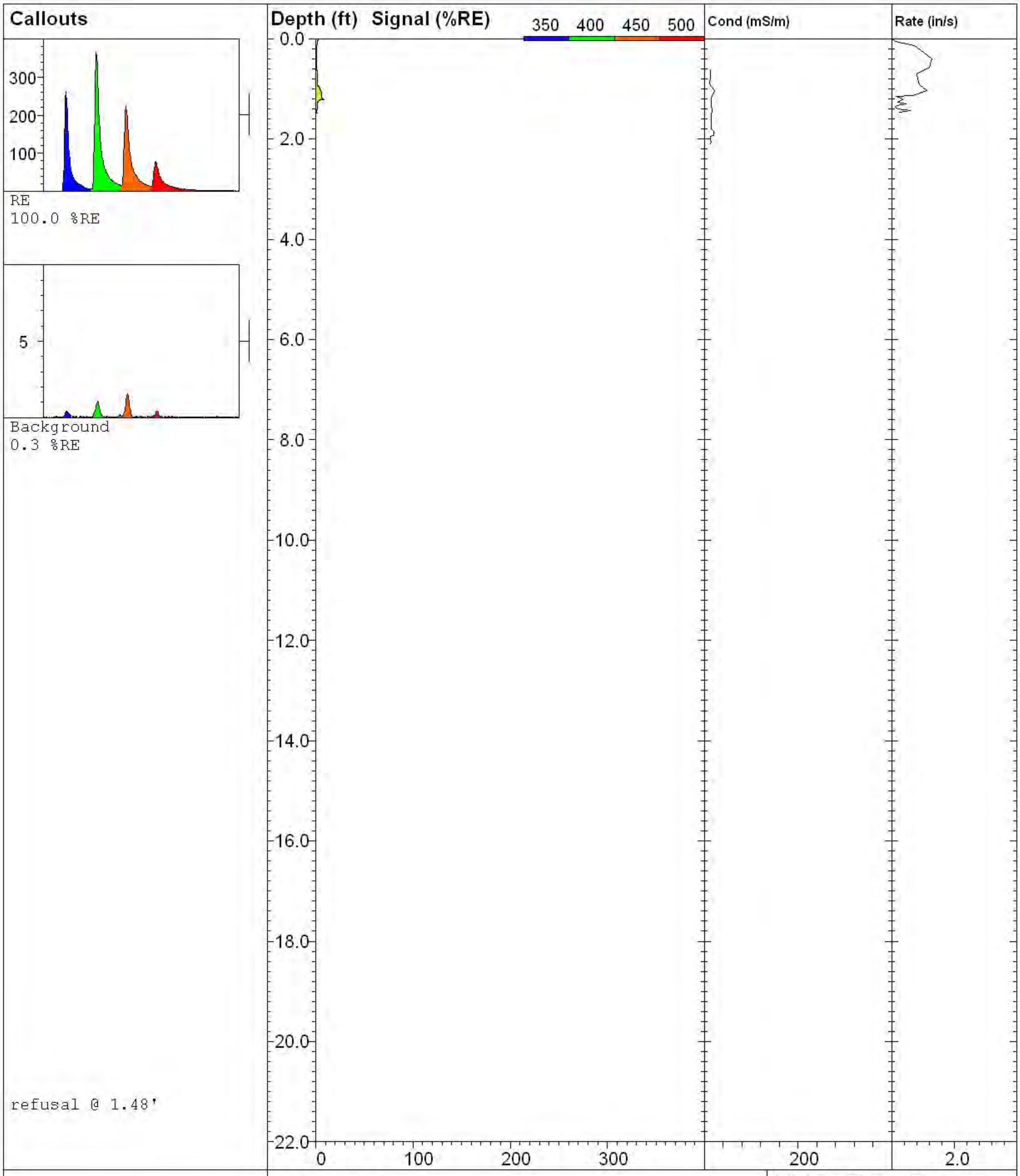
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **11.14 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **9.5 % @ 0.86 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-20 16:30 EDT**



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LIF-054

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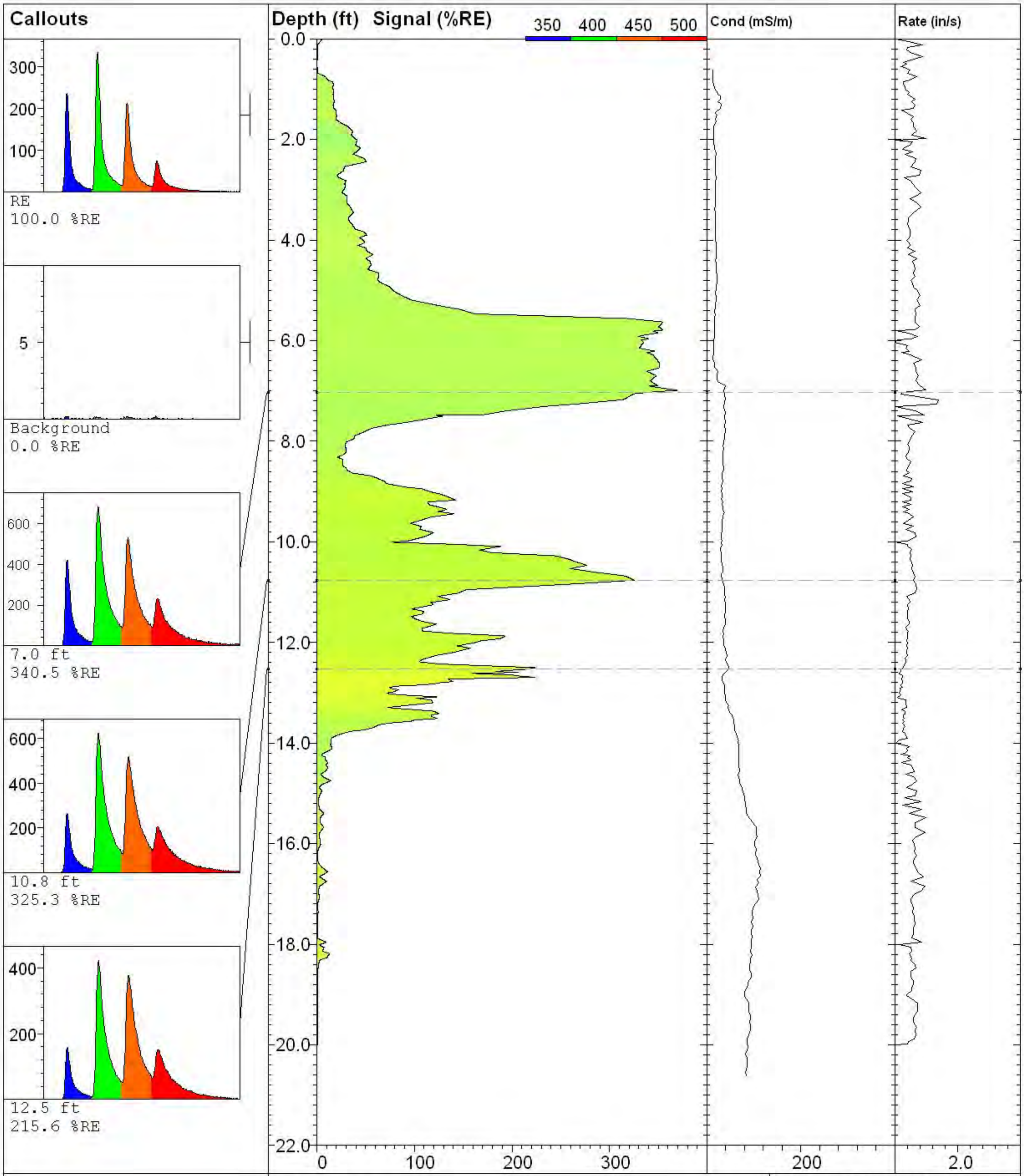
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **1.48 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **8.5 % @ 1.22 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-19 09:27 EDT**



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LIF-055

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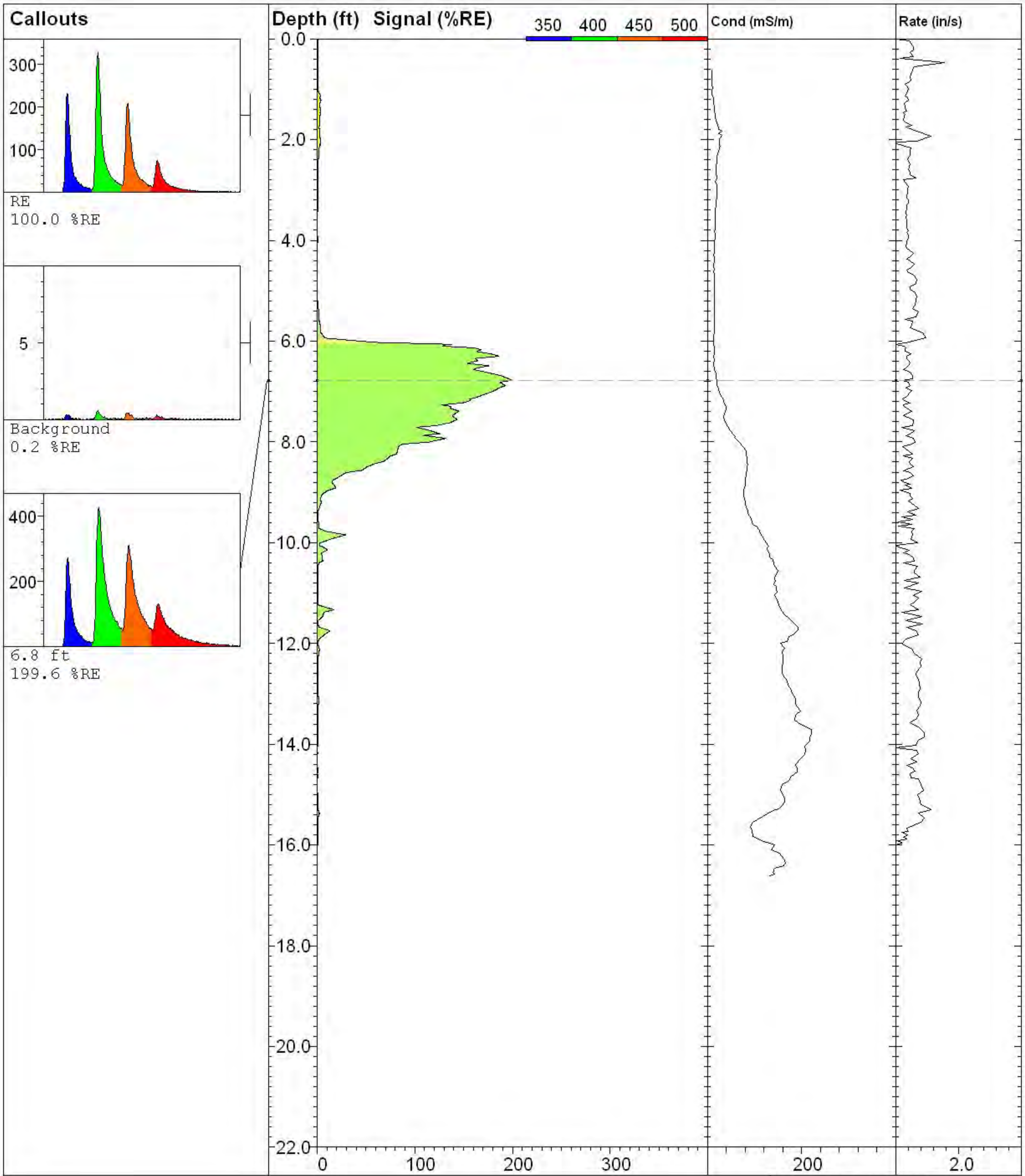
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **20.00 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **370.0 % @ 6.99 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-20 15:35 EDT**



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LIF-056

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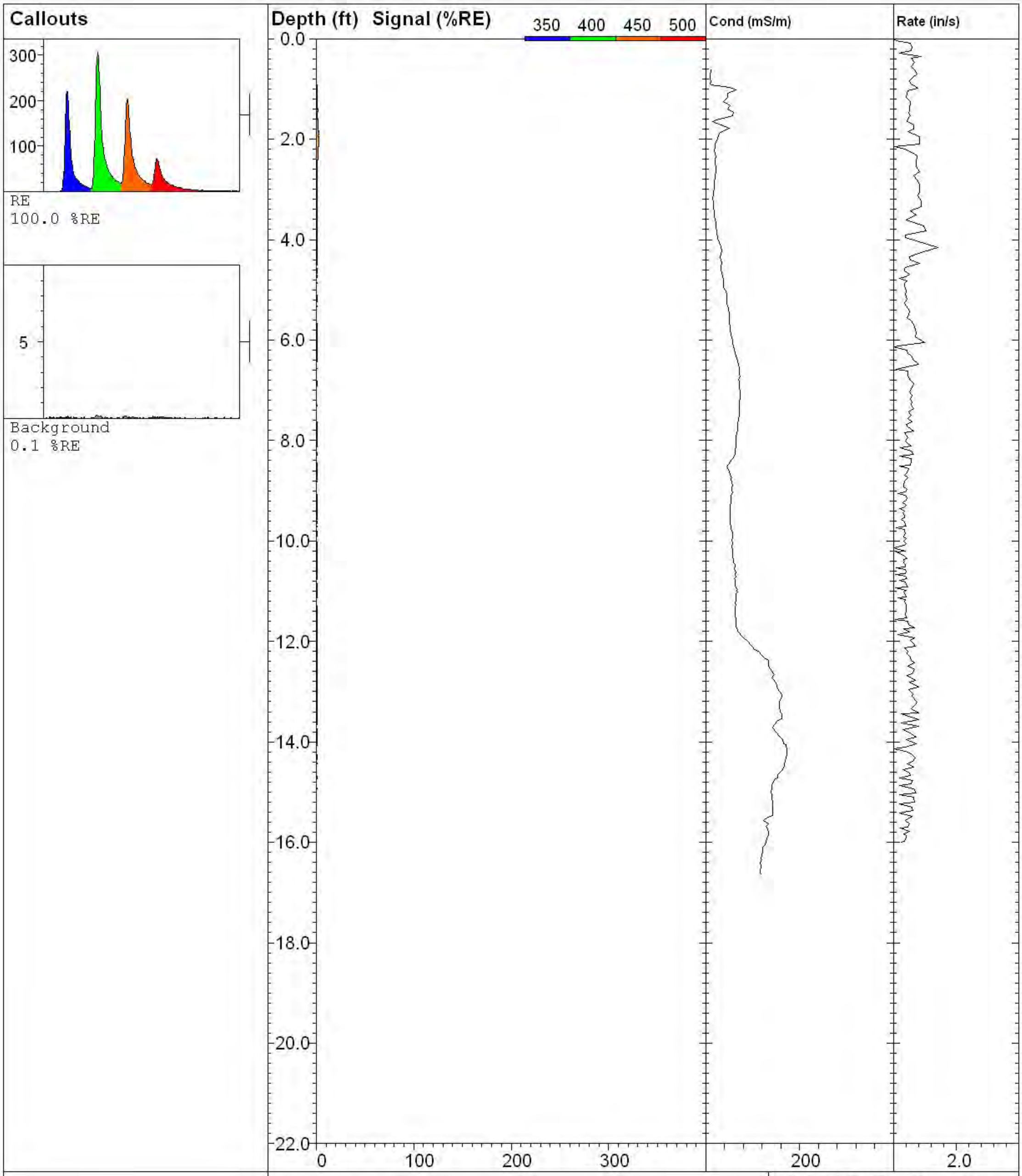
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **199.6 % @ 6.78 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-21 08:25 EDT**



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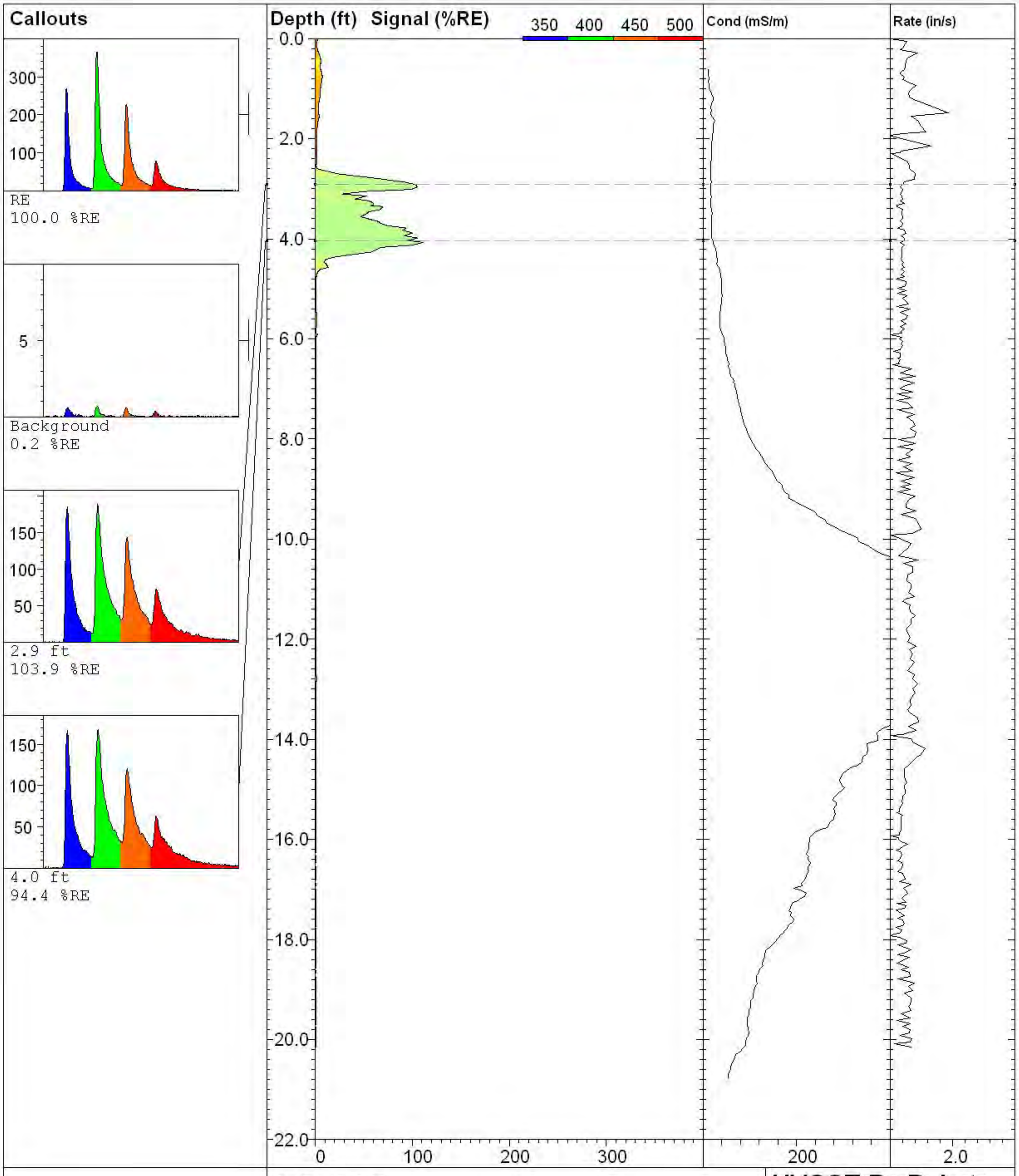
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.3 % @ 2.10 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-21 14:35 EDT**



LIF-058

UVOST By Dakota
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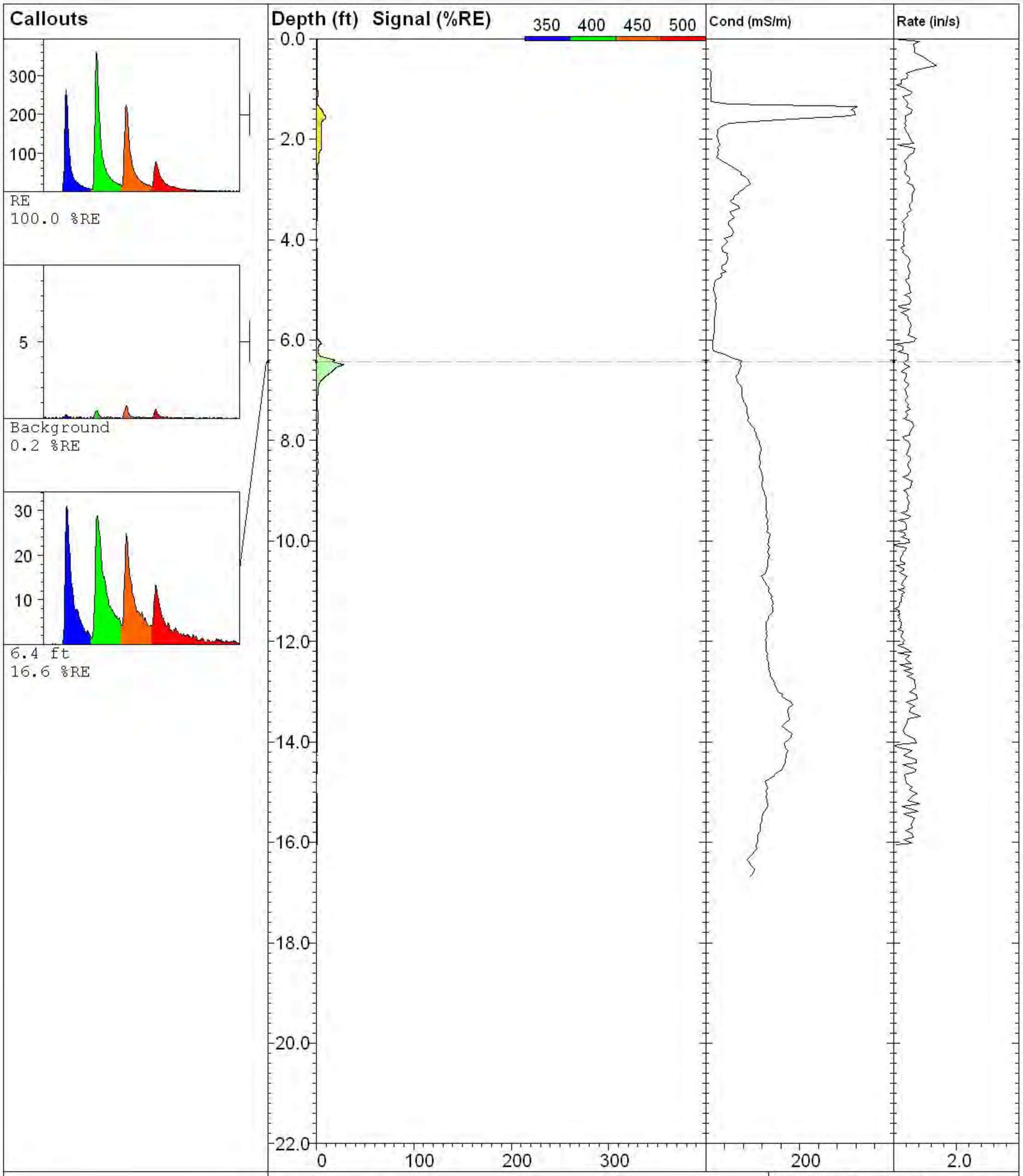
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **20.15 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **111.4 % @ 4.07 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-22 11:15 EDT**



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LIF-059

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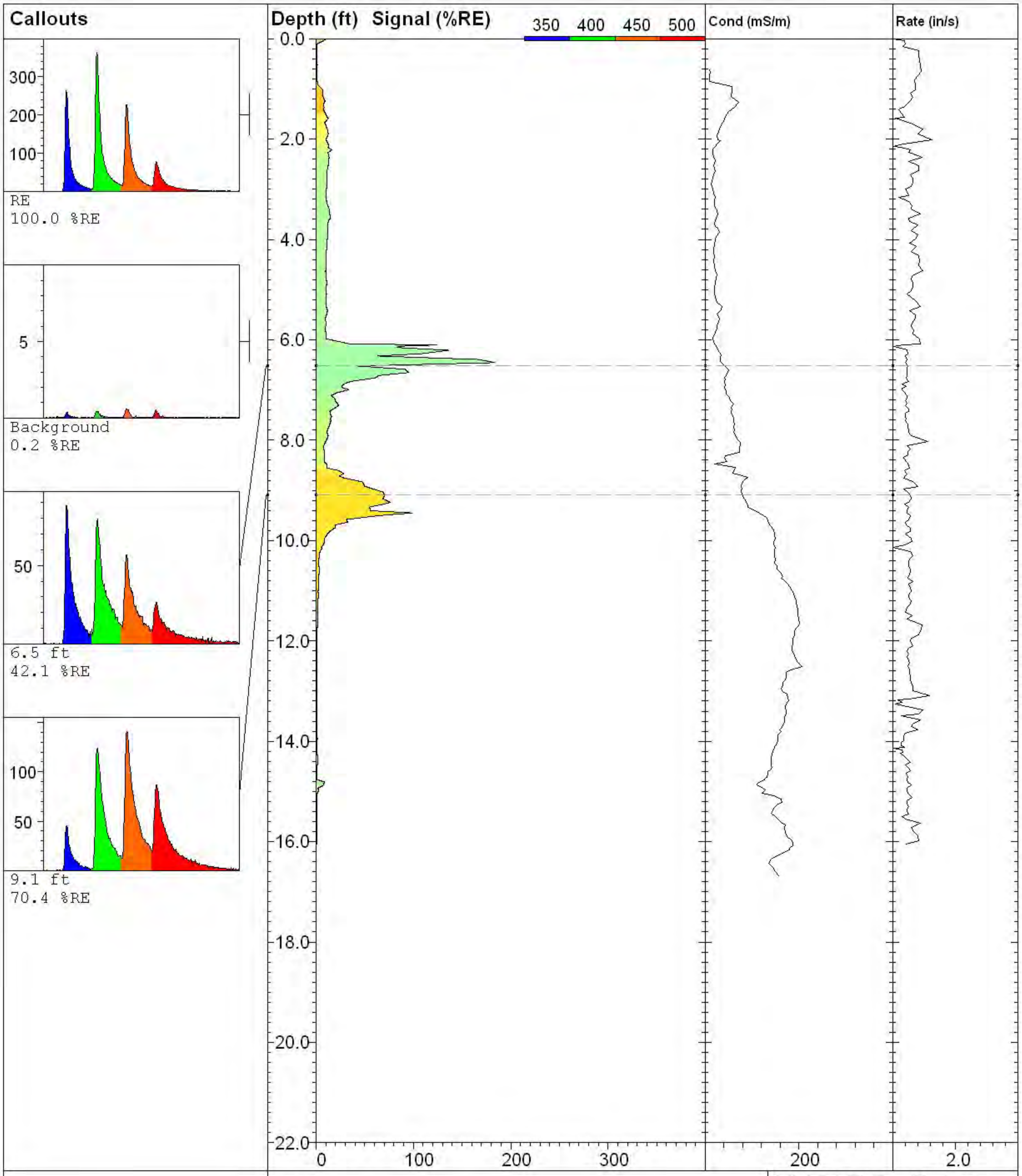
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.06 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **28.0 % @ 6.49 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-22 09:06 EDT**



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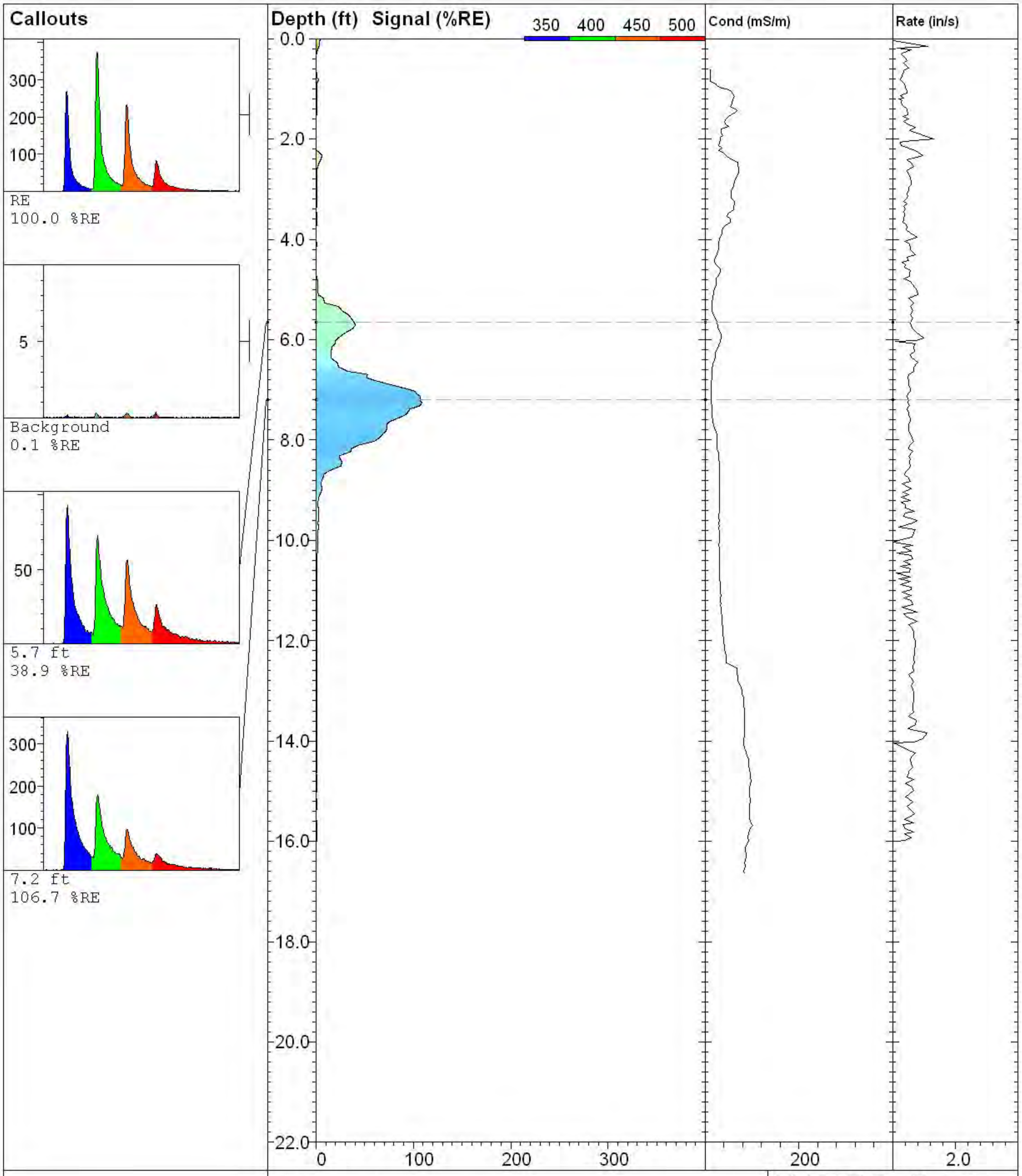
LIF-060		UVOST By Dakota www.DakotaTechnologies.com
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.05 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **183.8 % @ 6.46 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-22 08:36 EDT**



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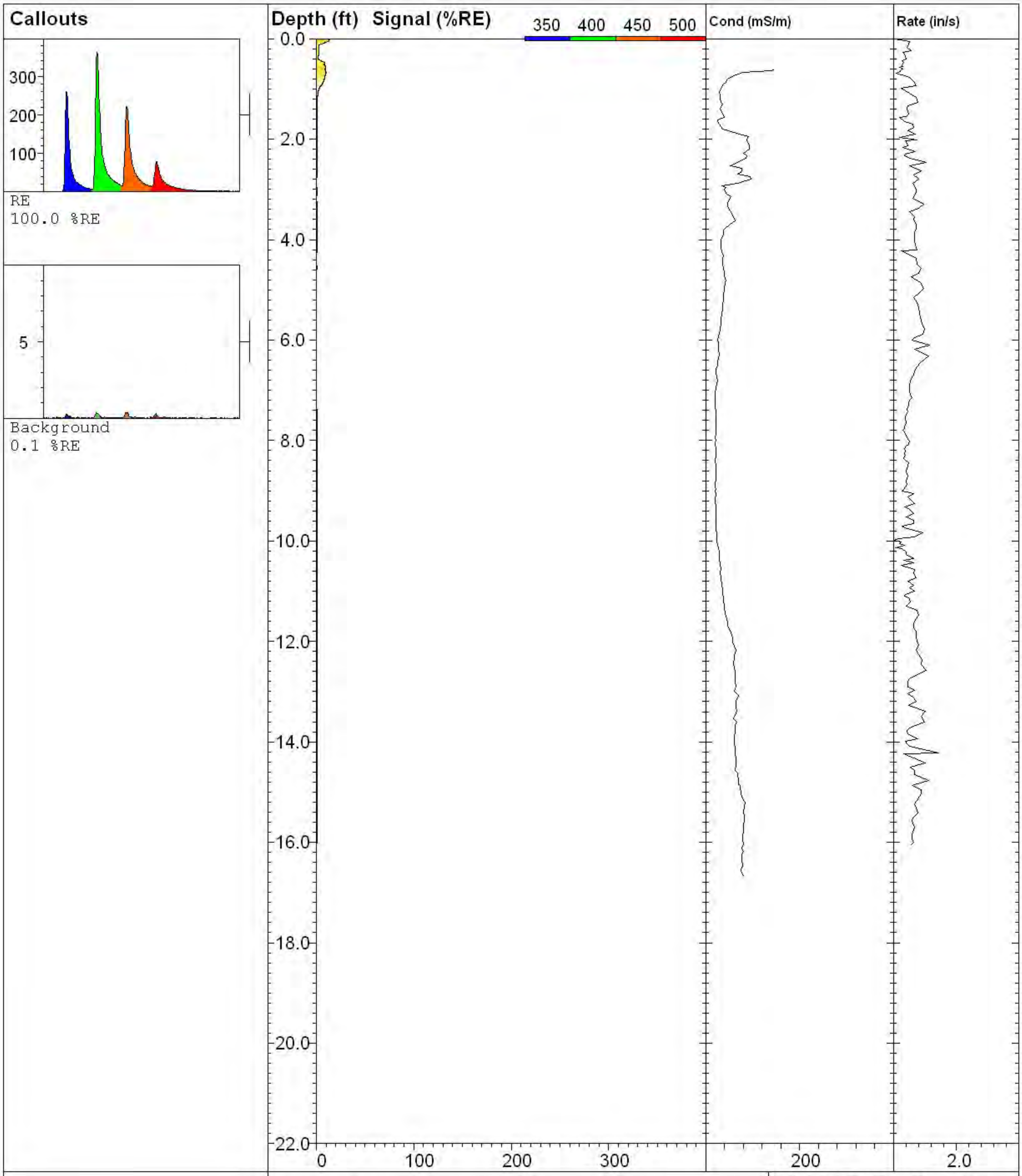
LIF-061		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.01 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **108.8 % @ 7.26 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-22 09:42 EDT**



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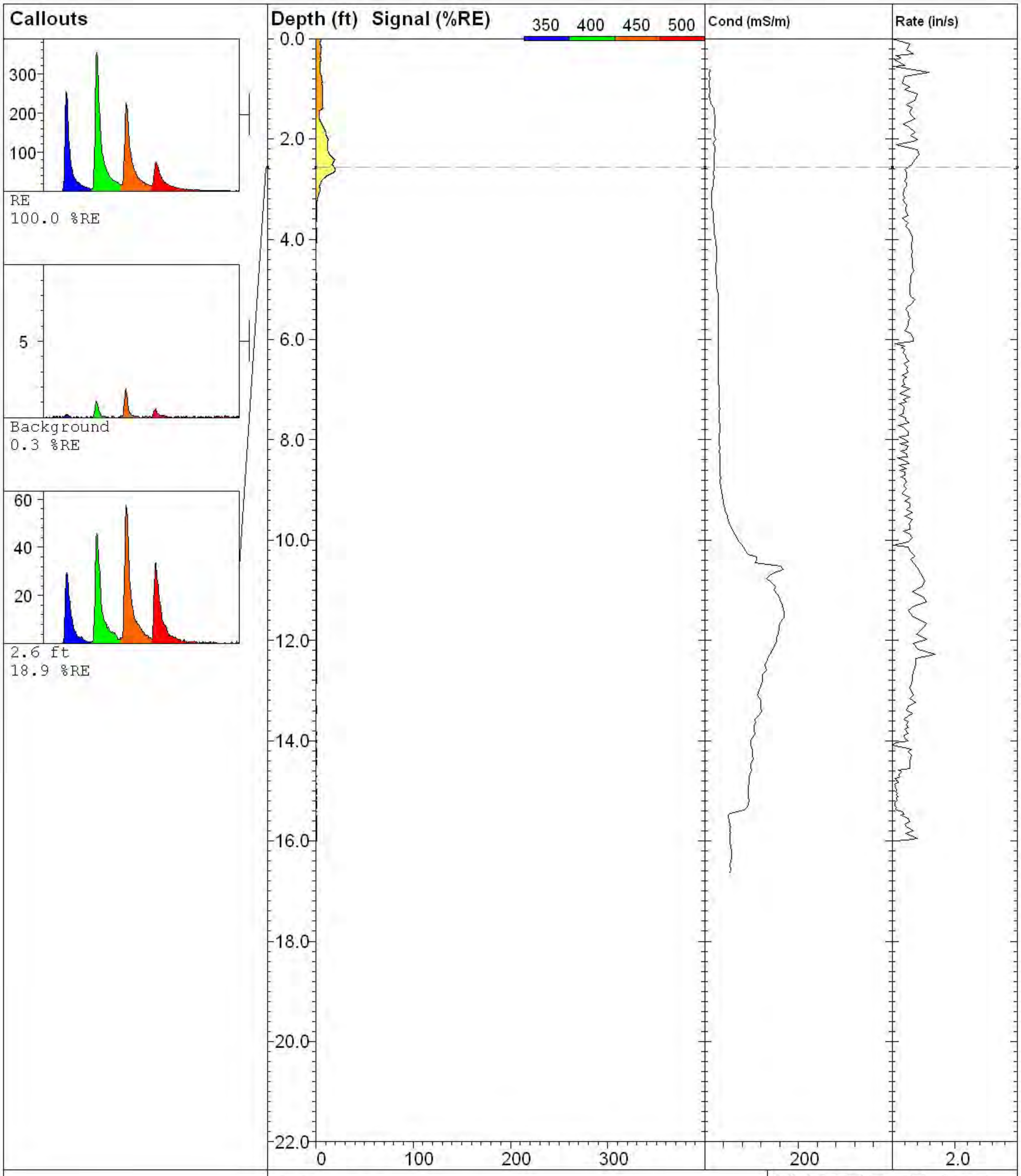
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.05 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **14.1 % @ 0.00 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-22 10:16 EDT**



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LIF-063

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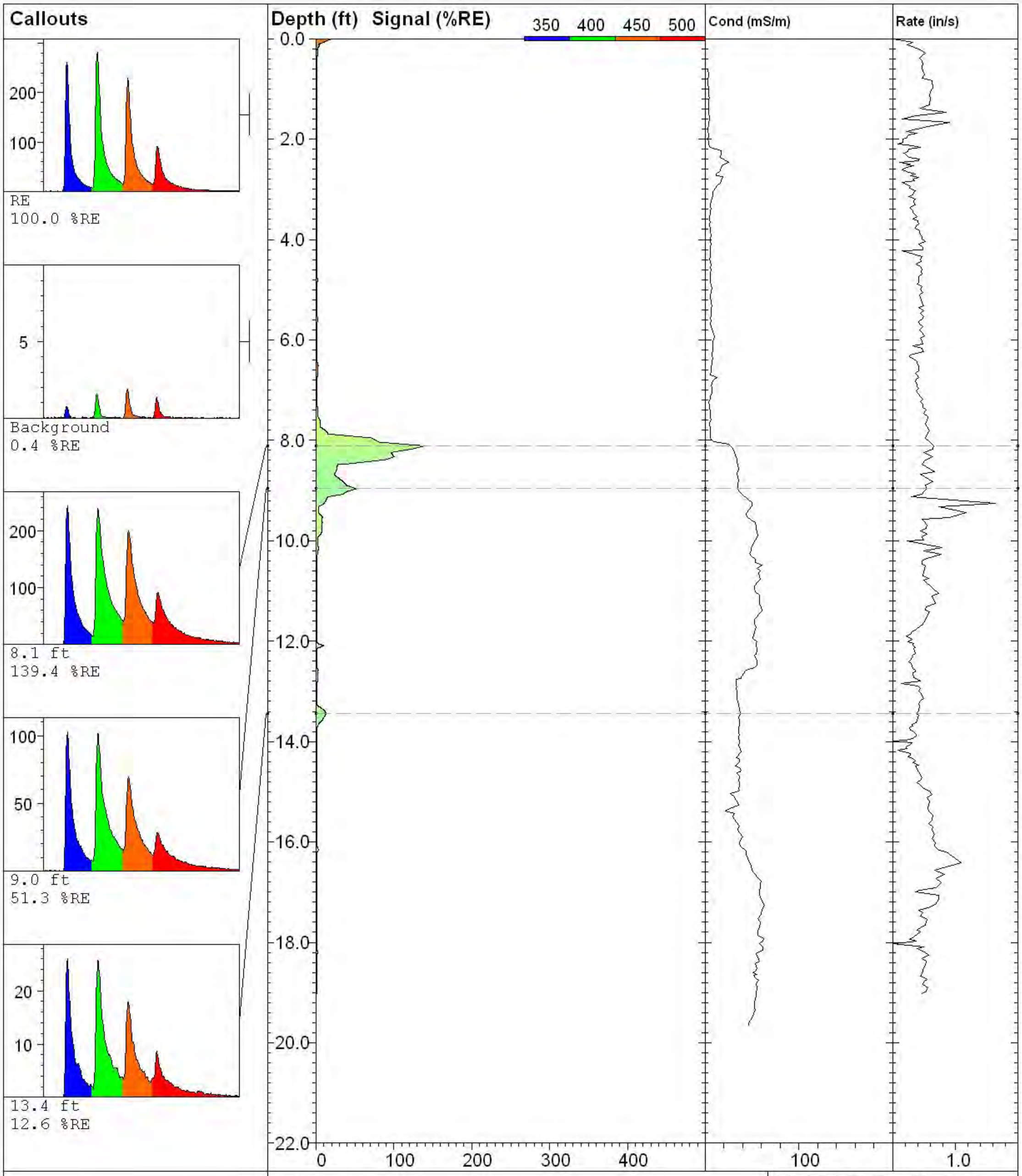
Site: **MLC-Willow Run**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **CRA, Inc.**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **19.9 % @ 2.62 ft**
Job: **130-OHDS-10UV**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-10-22 13:59 EDT**



LIF-100		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **19.02 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **139.4 % @ 8.11 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-09 16:13 CST**

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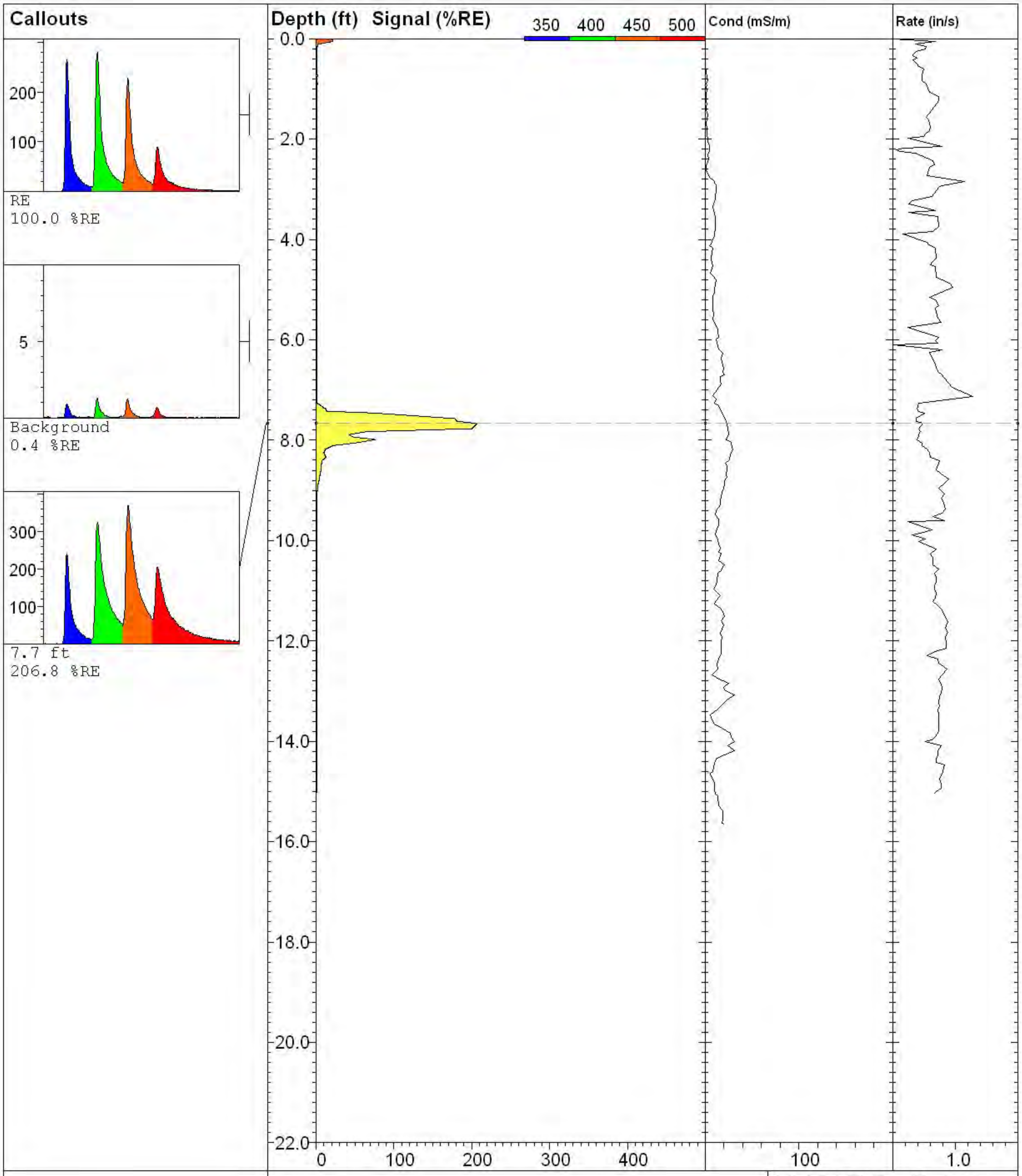
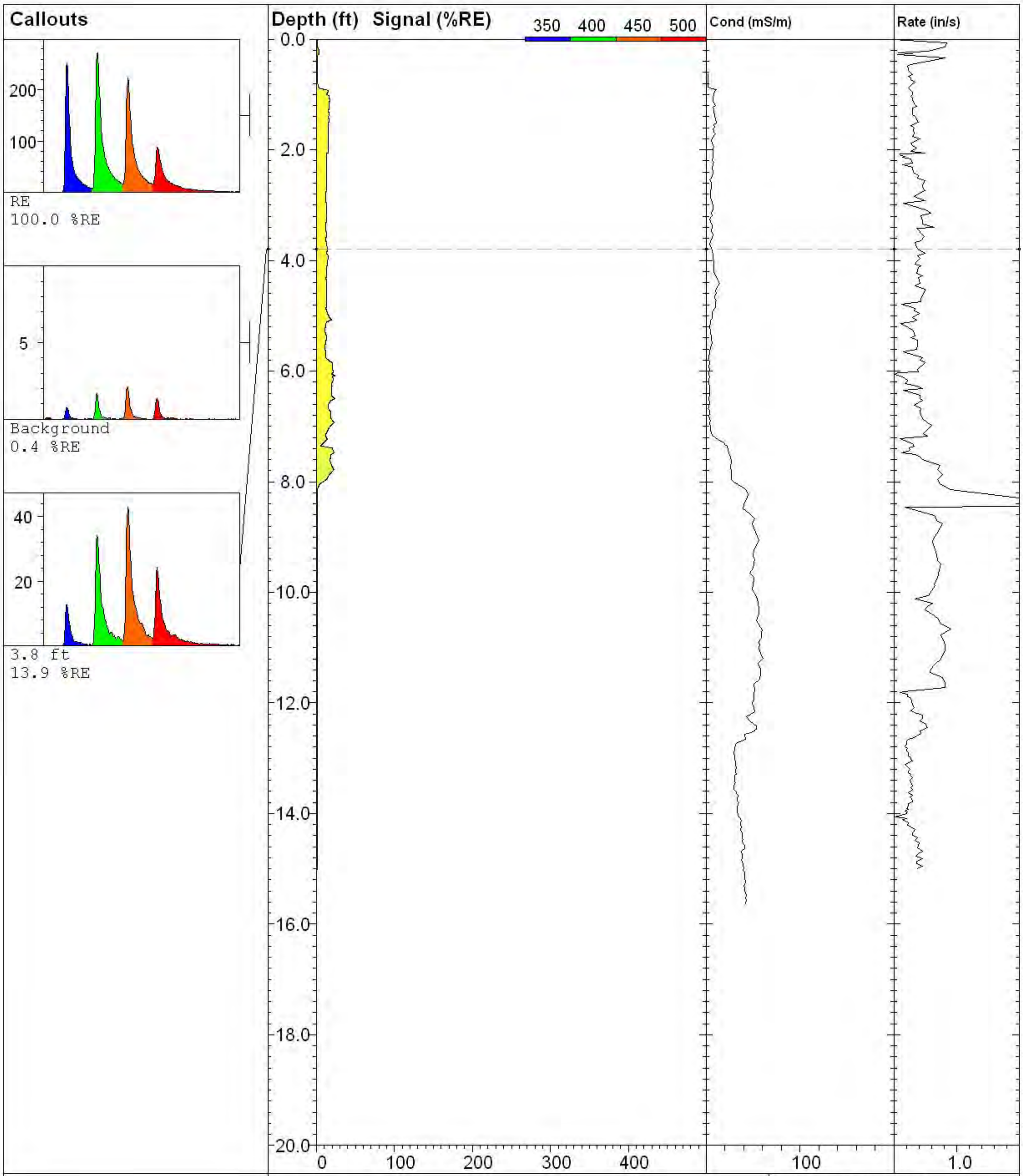
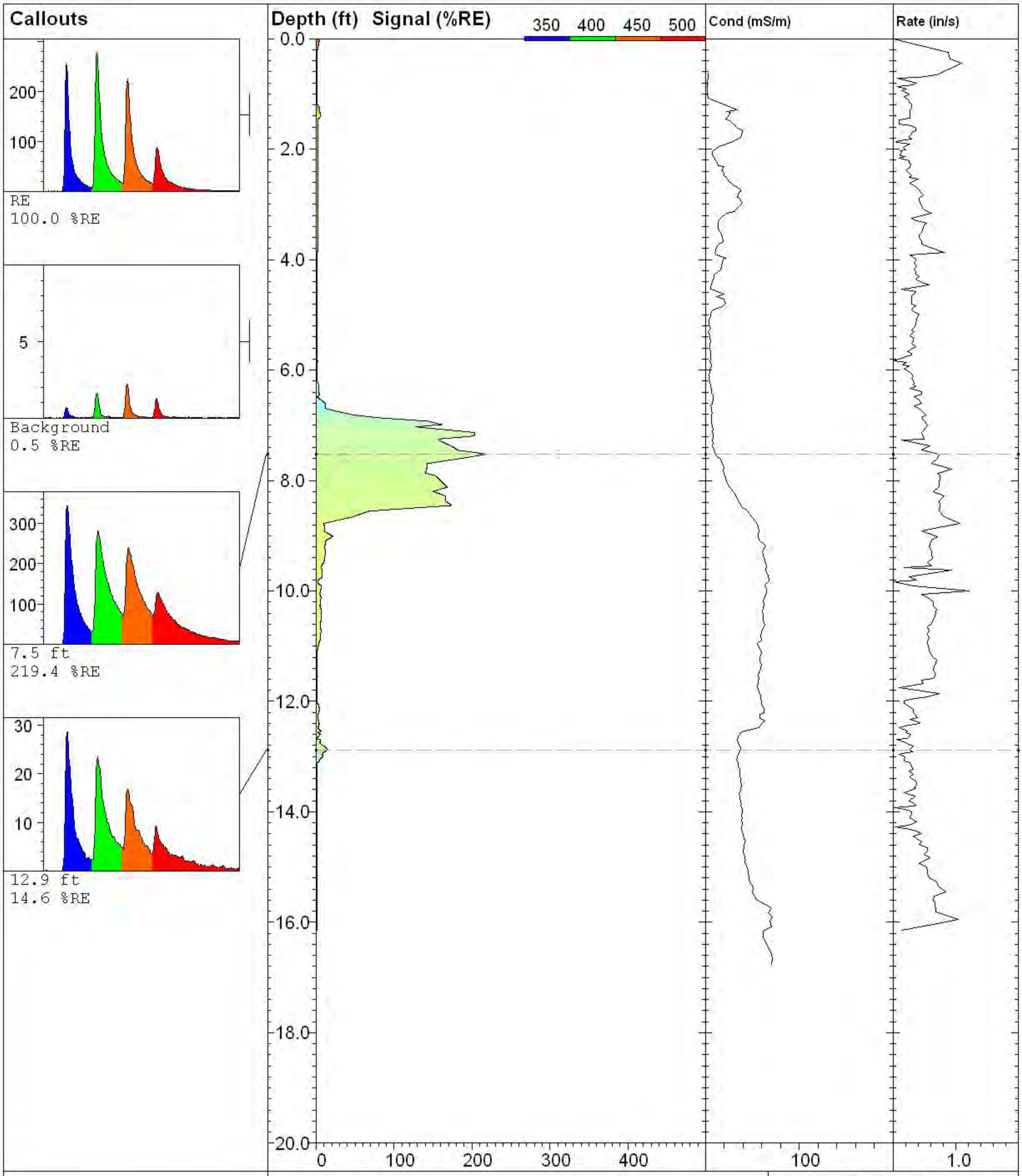


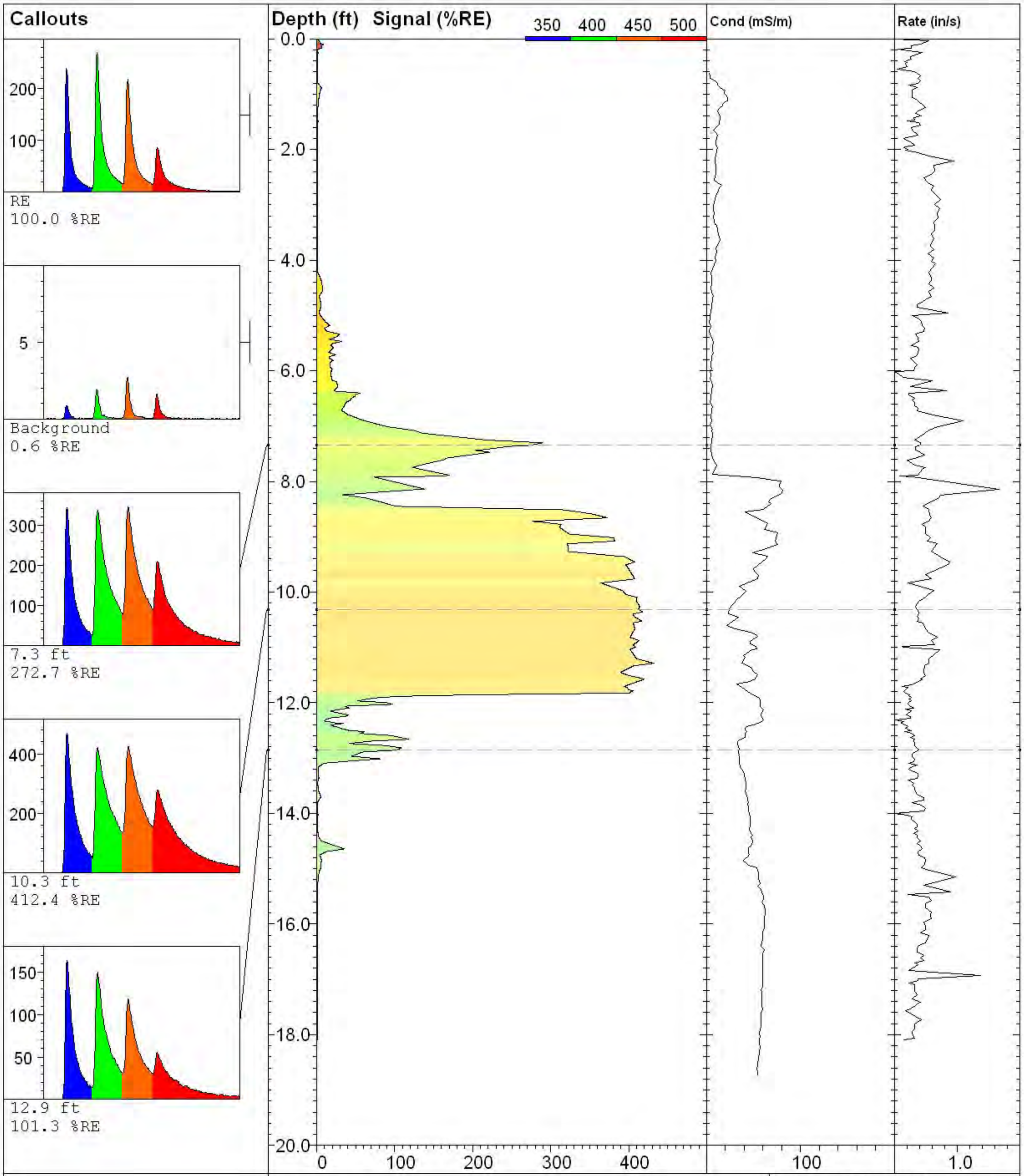
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-101**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.03 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **206.8 % @ 7.67 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-14 08:28 CST**



MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-102**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **24.0 % @ 6.08 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-10-31 09:16 CDT**



MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-103**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.14 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **219.4 % @ 7.52 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-10-31 10:04 CDT**



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LIF-105

UVOST By Dakota
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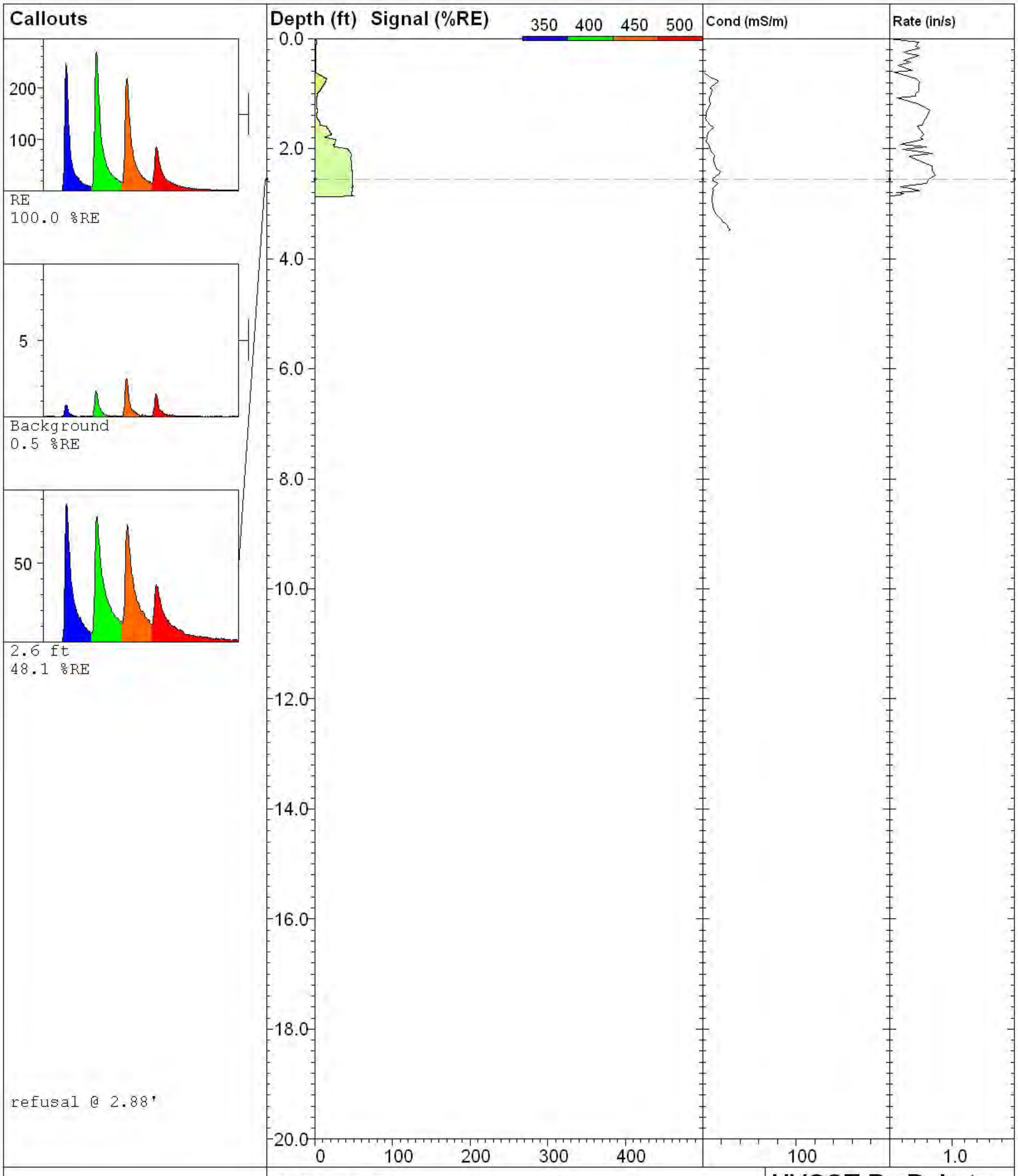
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **18.10 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **432.5 % @ 11.29 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-10-31 10:35 CDT**



LIF-106		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **2.88 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **50.3 % @ 2.86 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-10-31 13:03 CDT**

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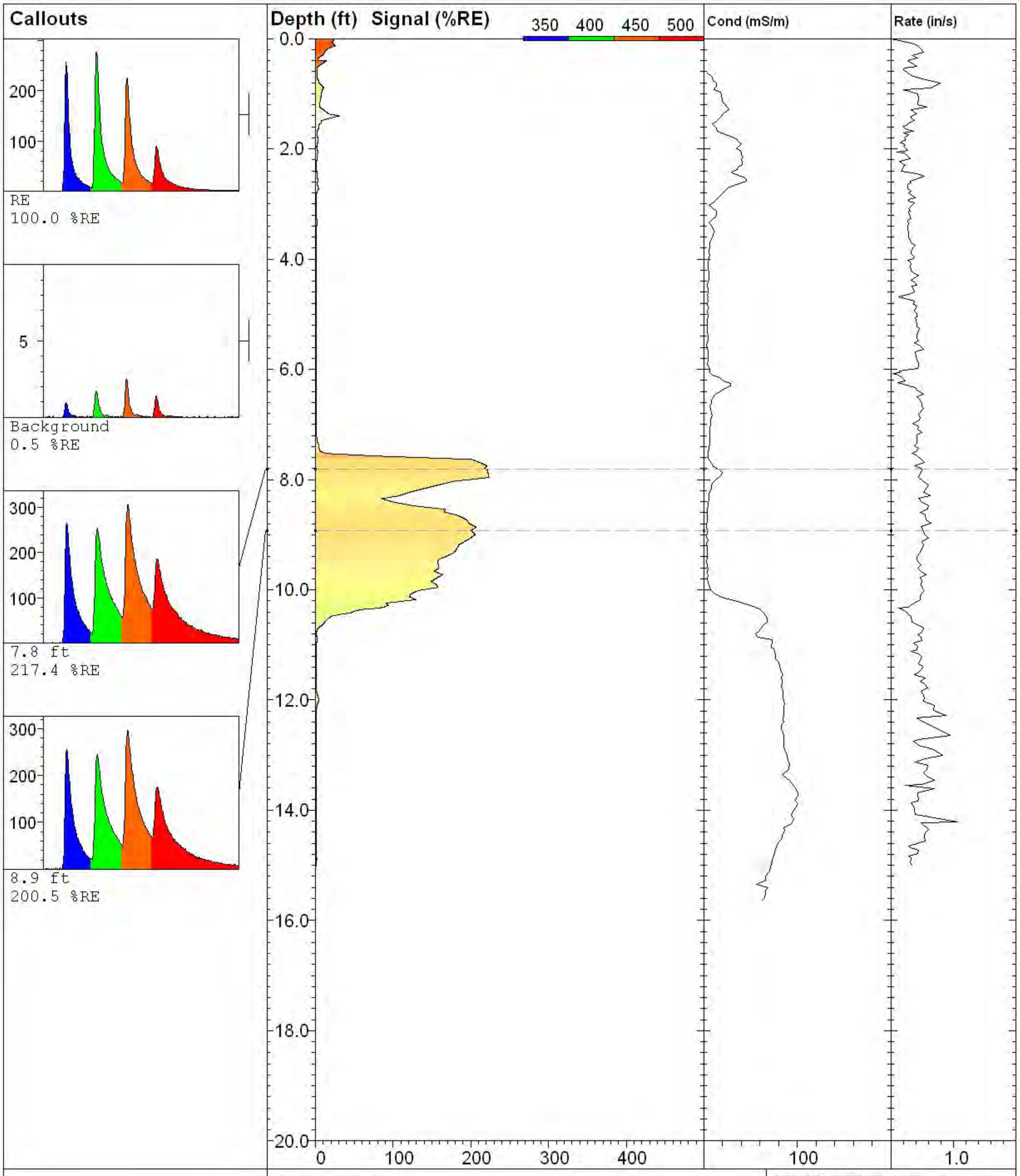

LIF-107		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **223.3 % @ 7.96 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-10-31 13:27 CDT**

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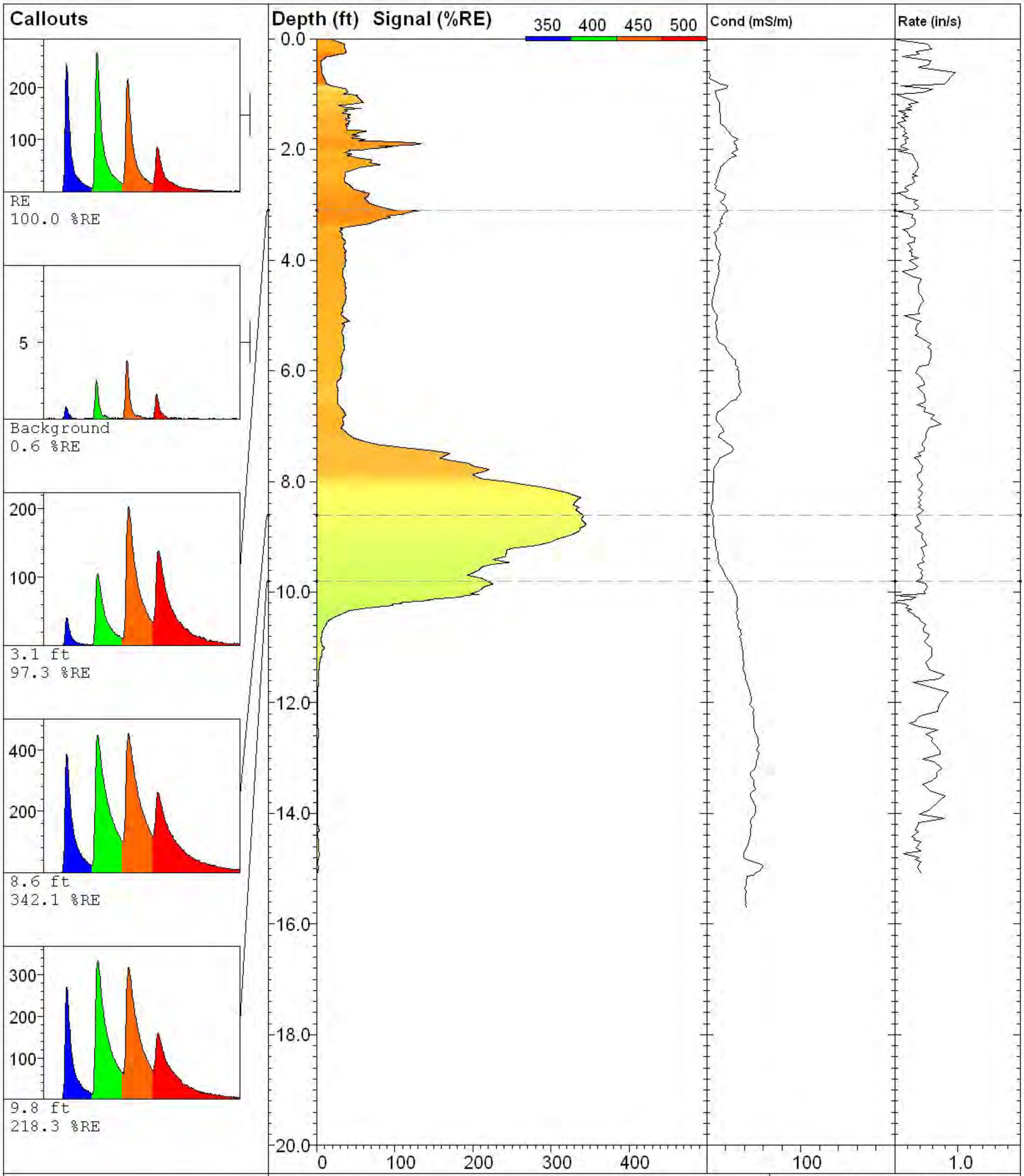

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LIF-108

UVOST By Dakota
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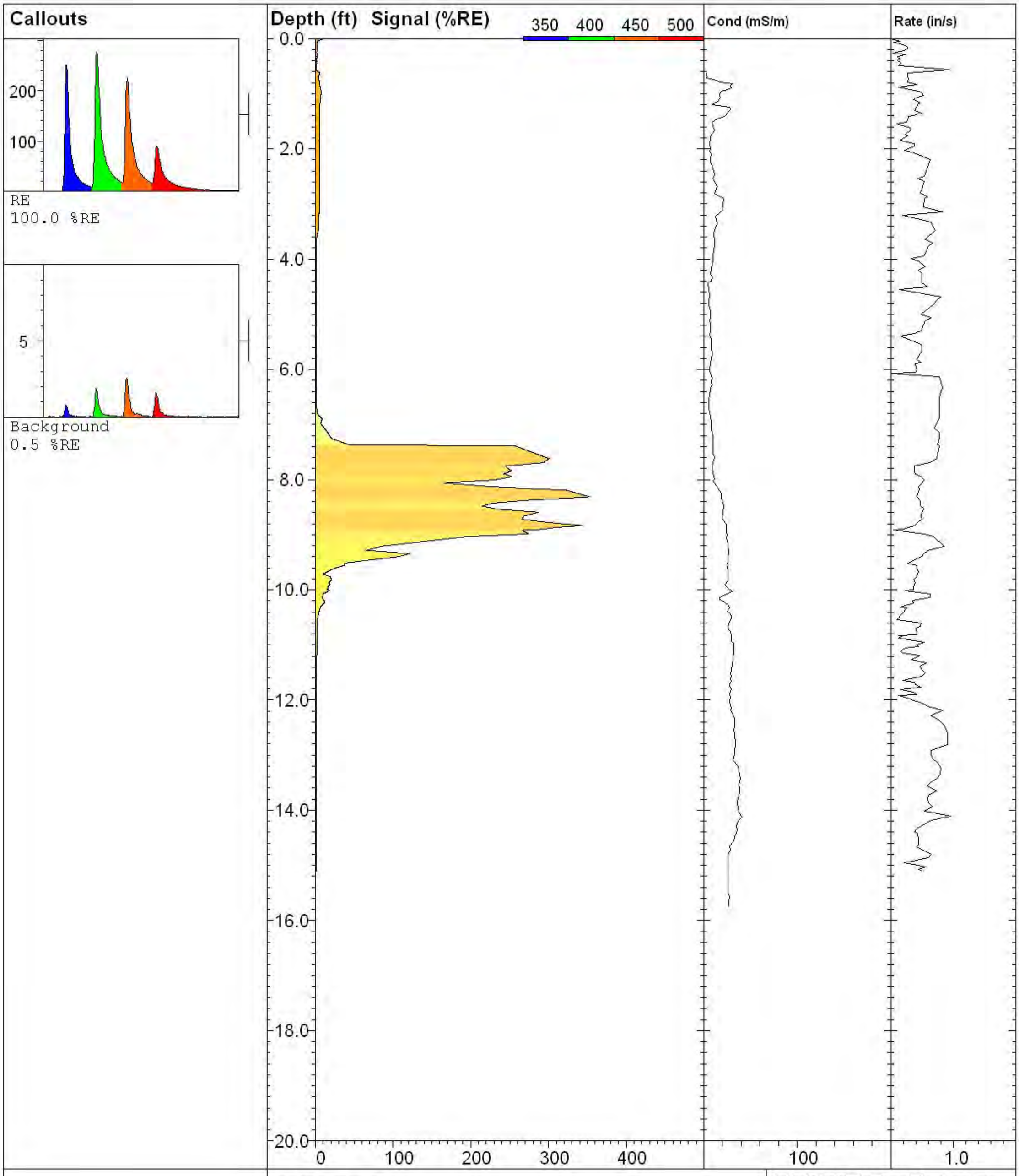
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.08 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **344.6 % @ 8.76 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-10-31 13:55 CDT**



LIF-109		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.11 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **352.9 % @ 8.32 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-10-31 14:23 CDT**

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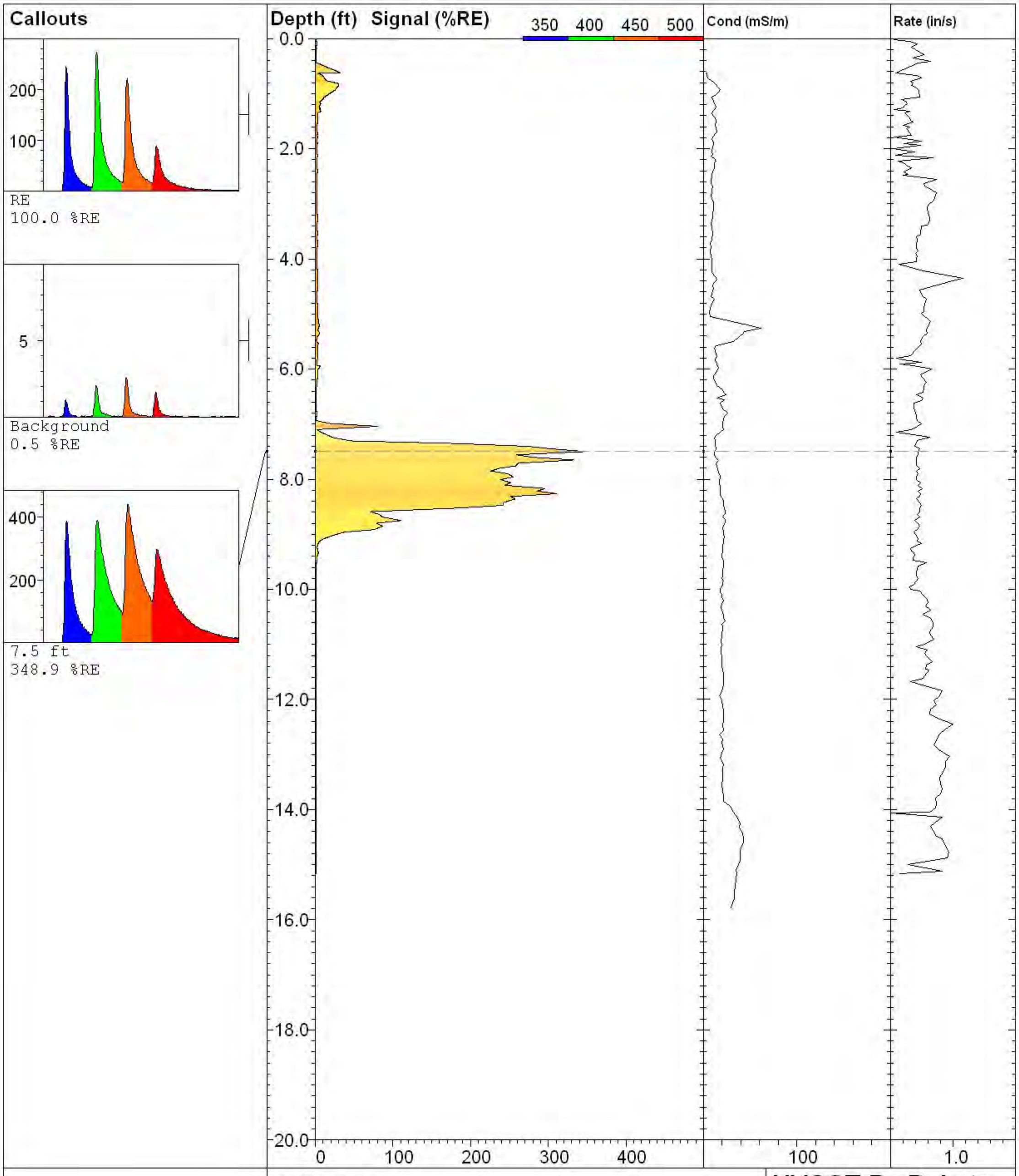

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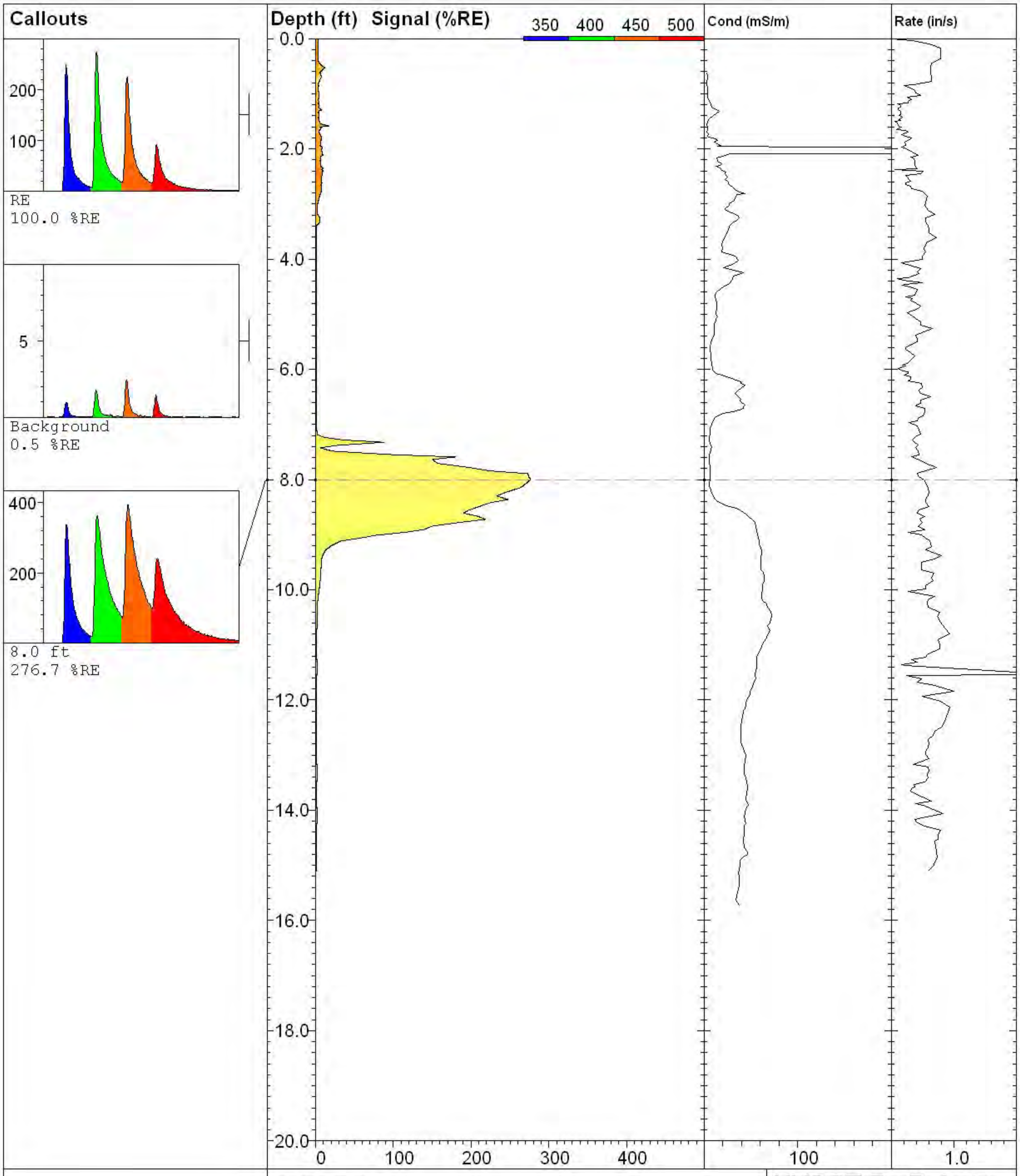
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.17 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **348.9 % @ 7.50 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-10-31 14:52 CDT**



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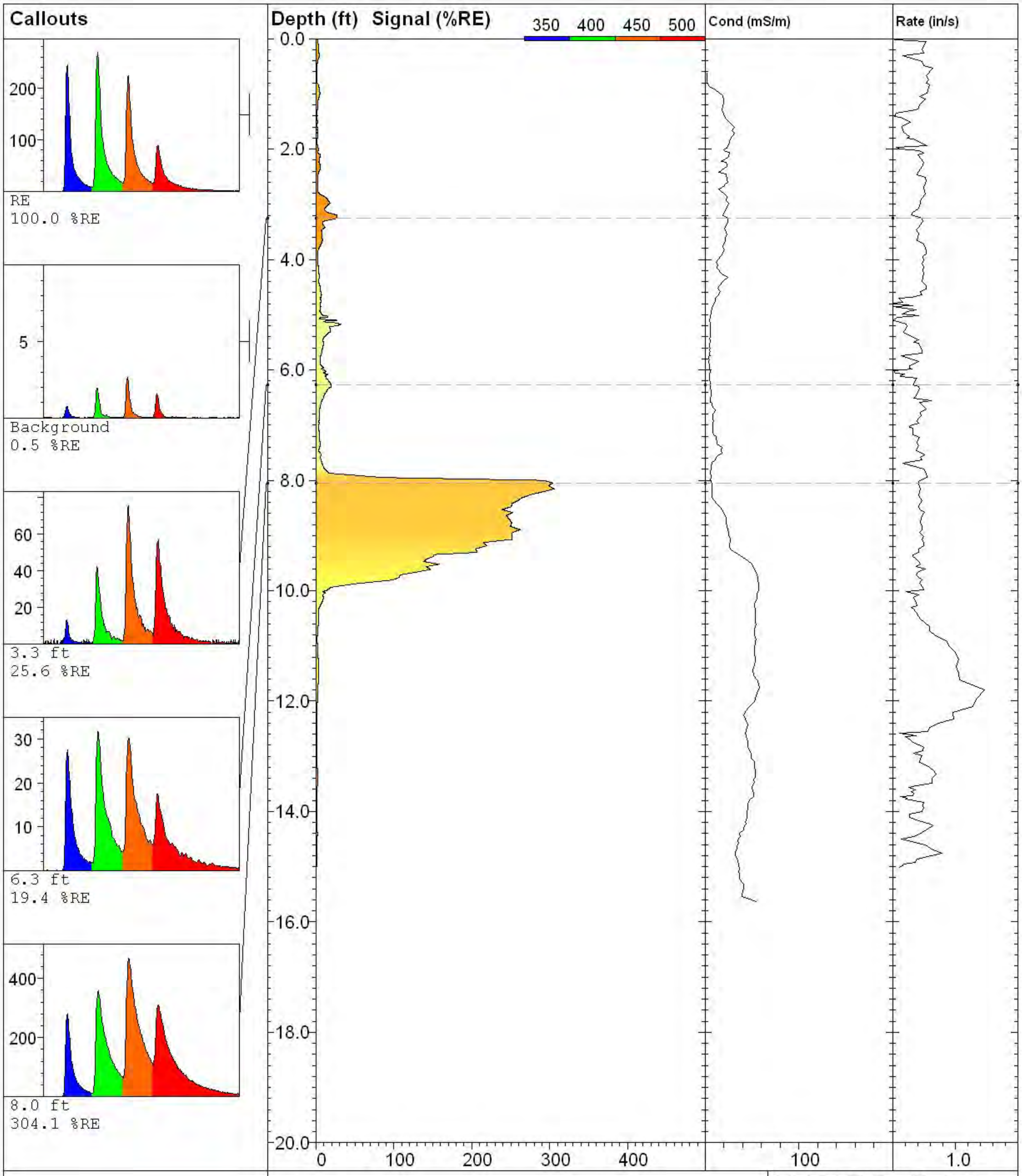
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.11 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **276.7 % @ 8.00 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-10-31 16:06 CDT**



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LIF-112

UVOST By Dakota
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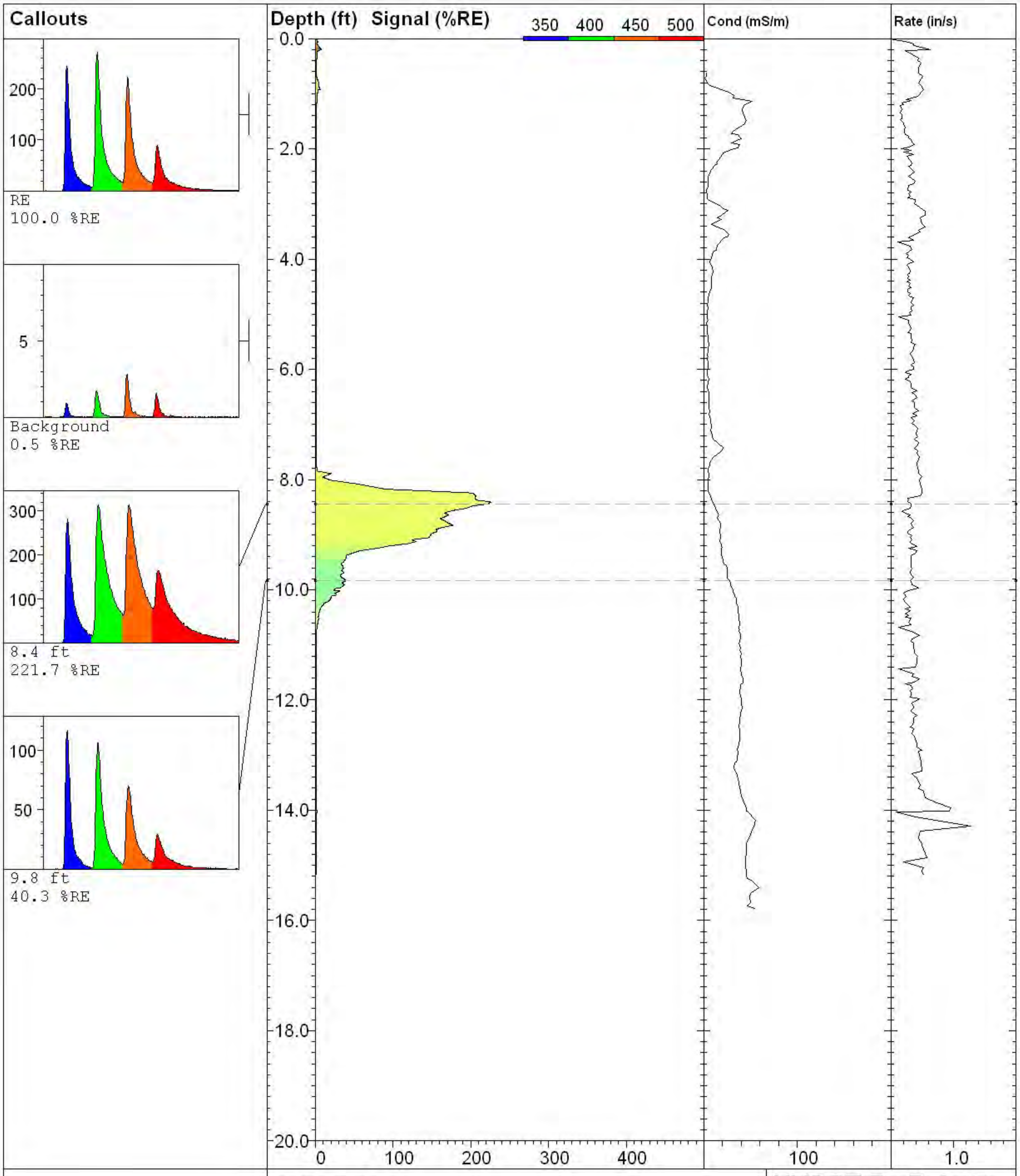
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **306.2 % @ 8.16 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-01 08:06 CDT**



LIF-113		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.17 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **225.7 % @ 8.41 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-01 08:59 CDT**

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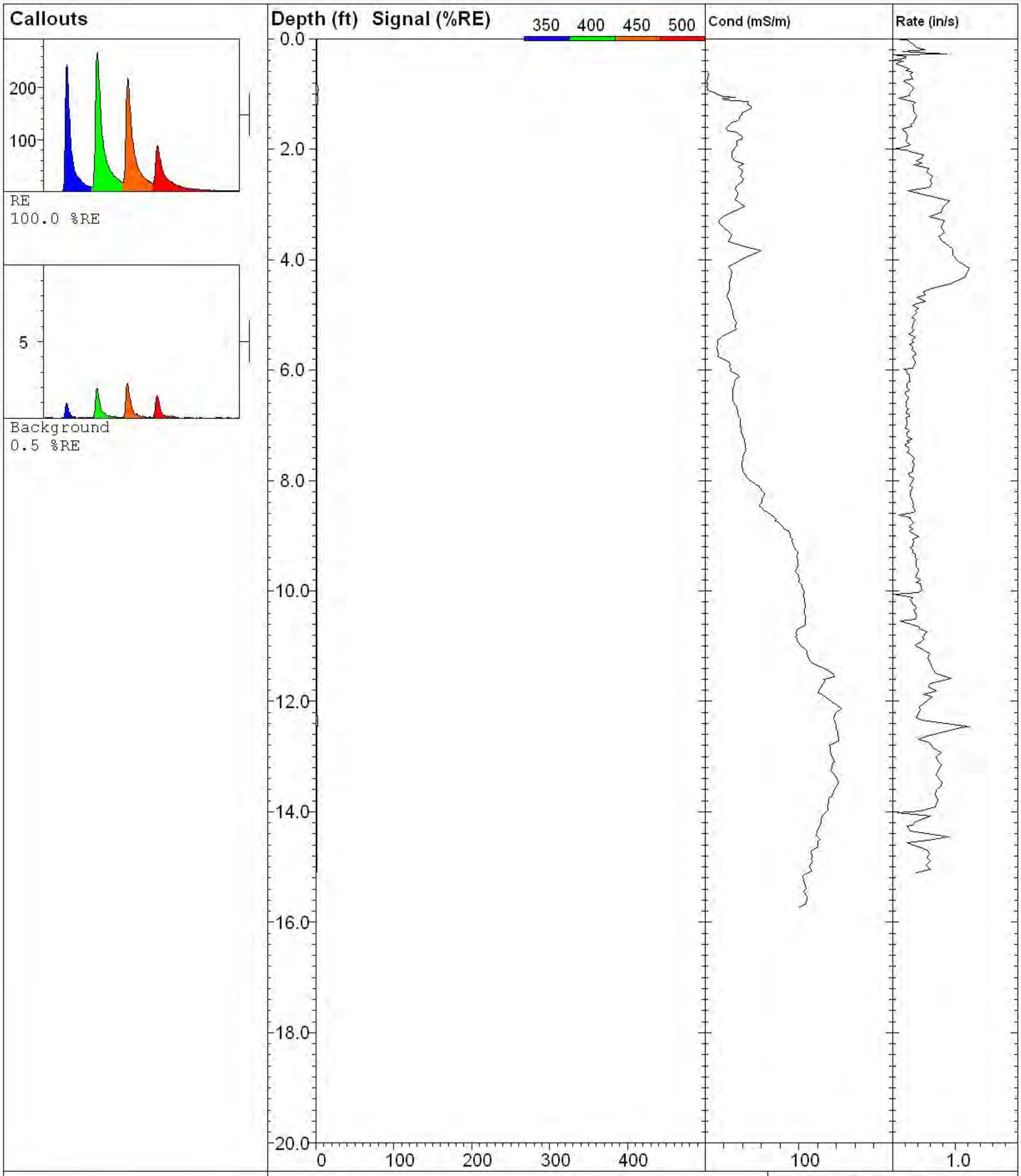
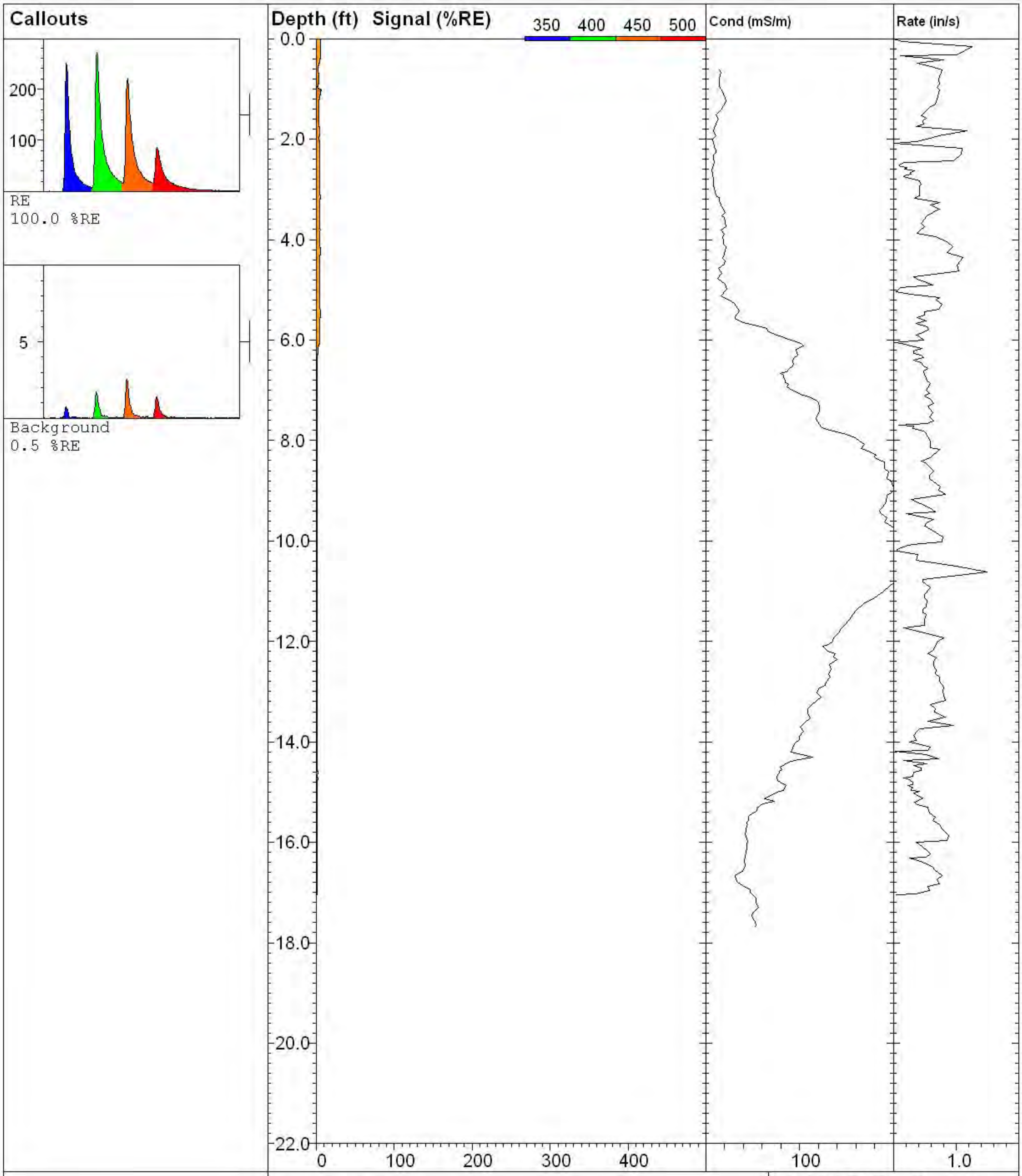


MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-115**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.10 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.1 % @ 0.91 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-01 09:35 CDT**



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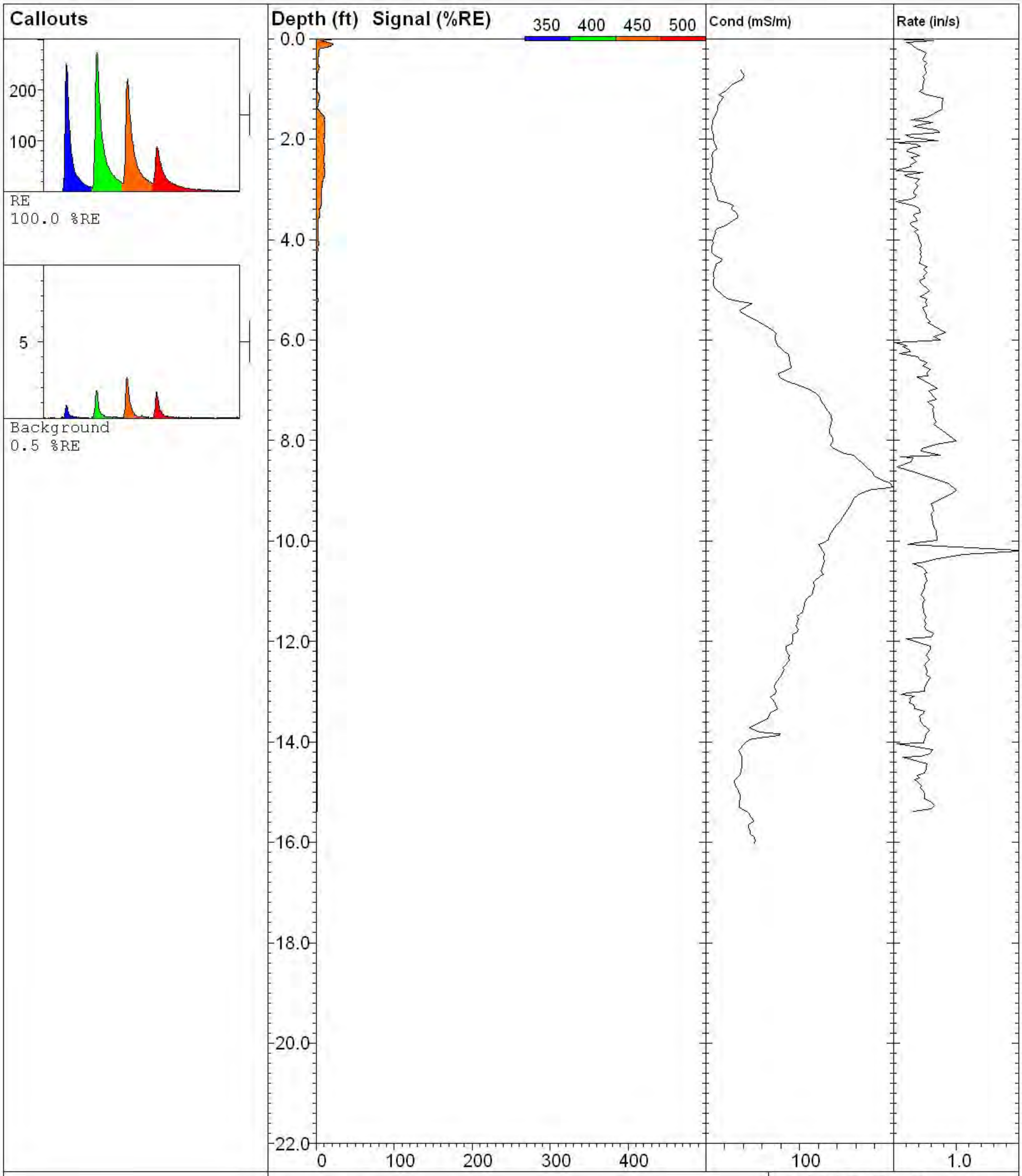
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **17.05 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **6.1 % @ 1.02 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-04 09:46 CDT**



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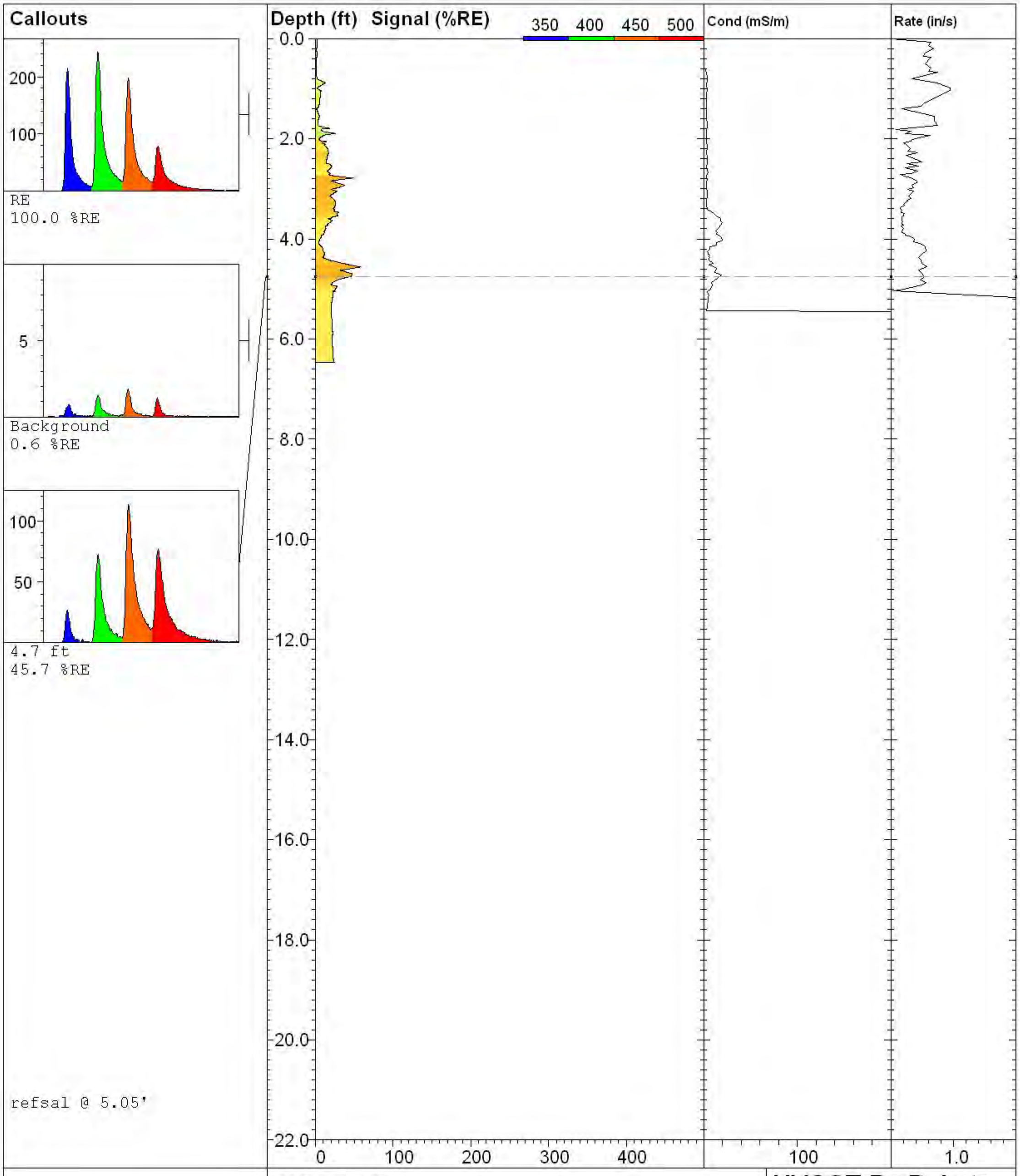
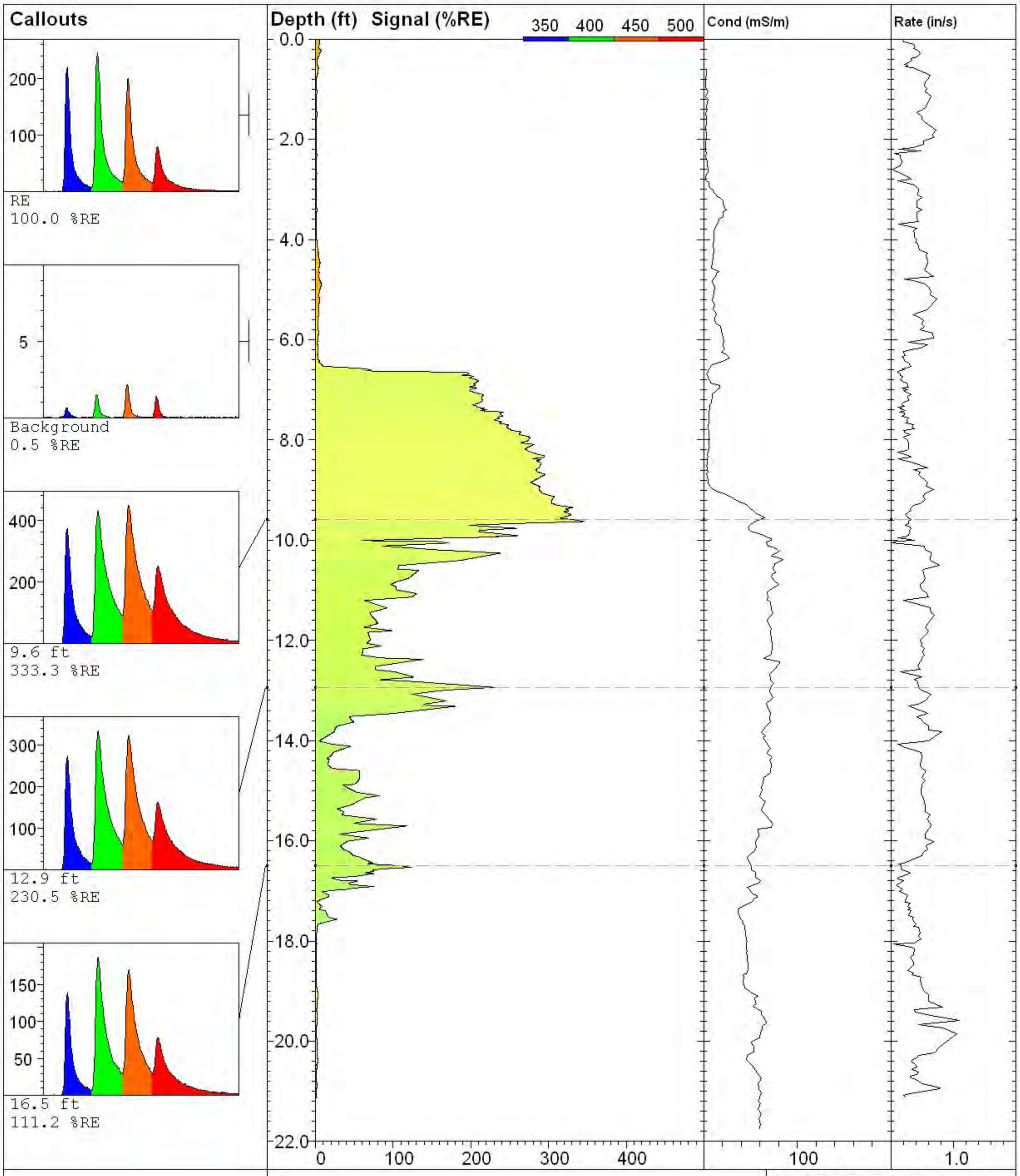
LIF-117

UVOST By Dakota
www.DakotaTechnologies.com

Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.39 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **27.1 % @ 0.00 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-04 09:21 CDT**

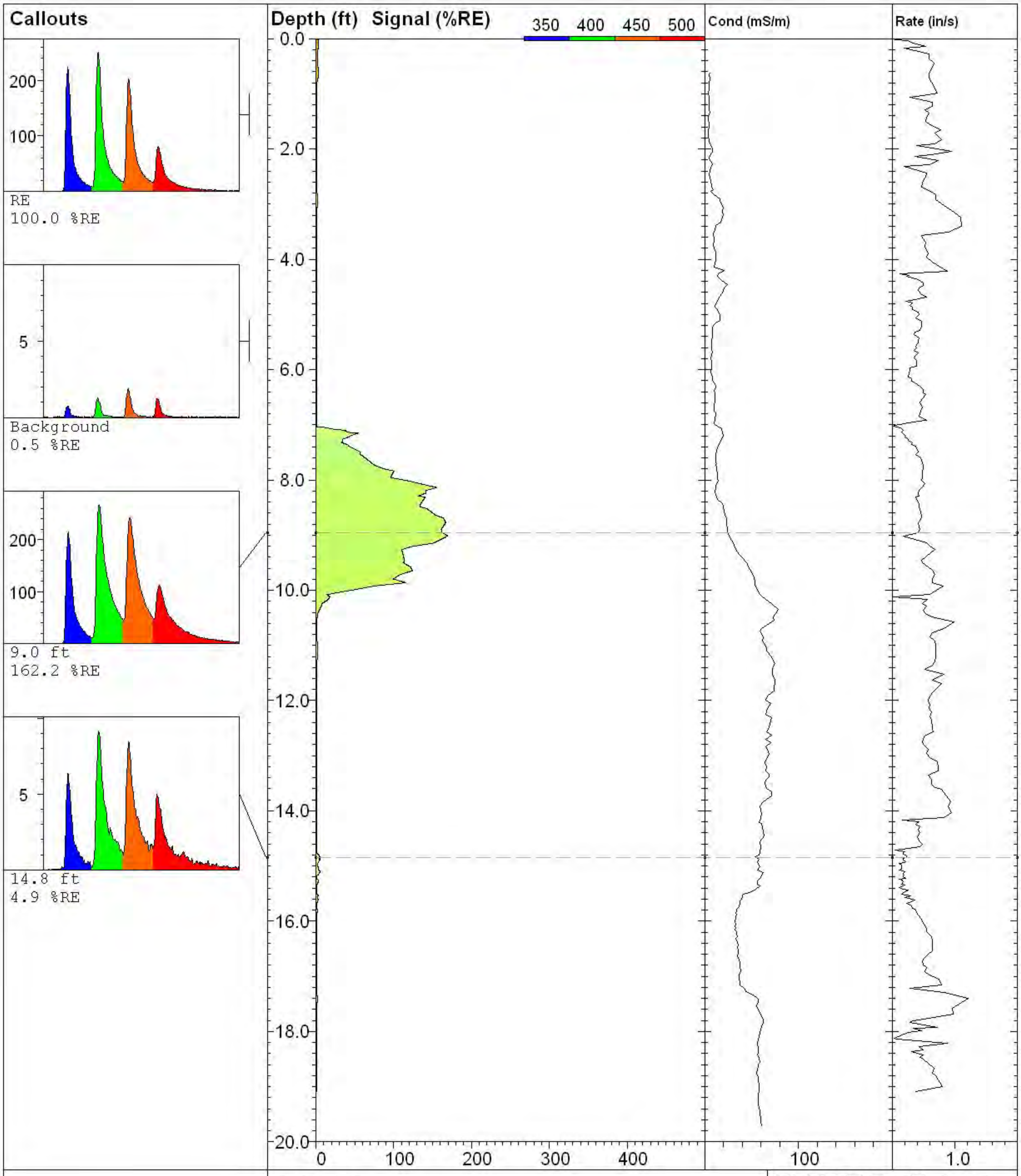


MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-118**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **6.46 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **57.7 % @ 4.56 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-03 08:51 CDT**

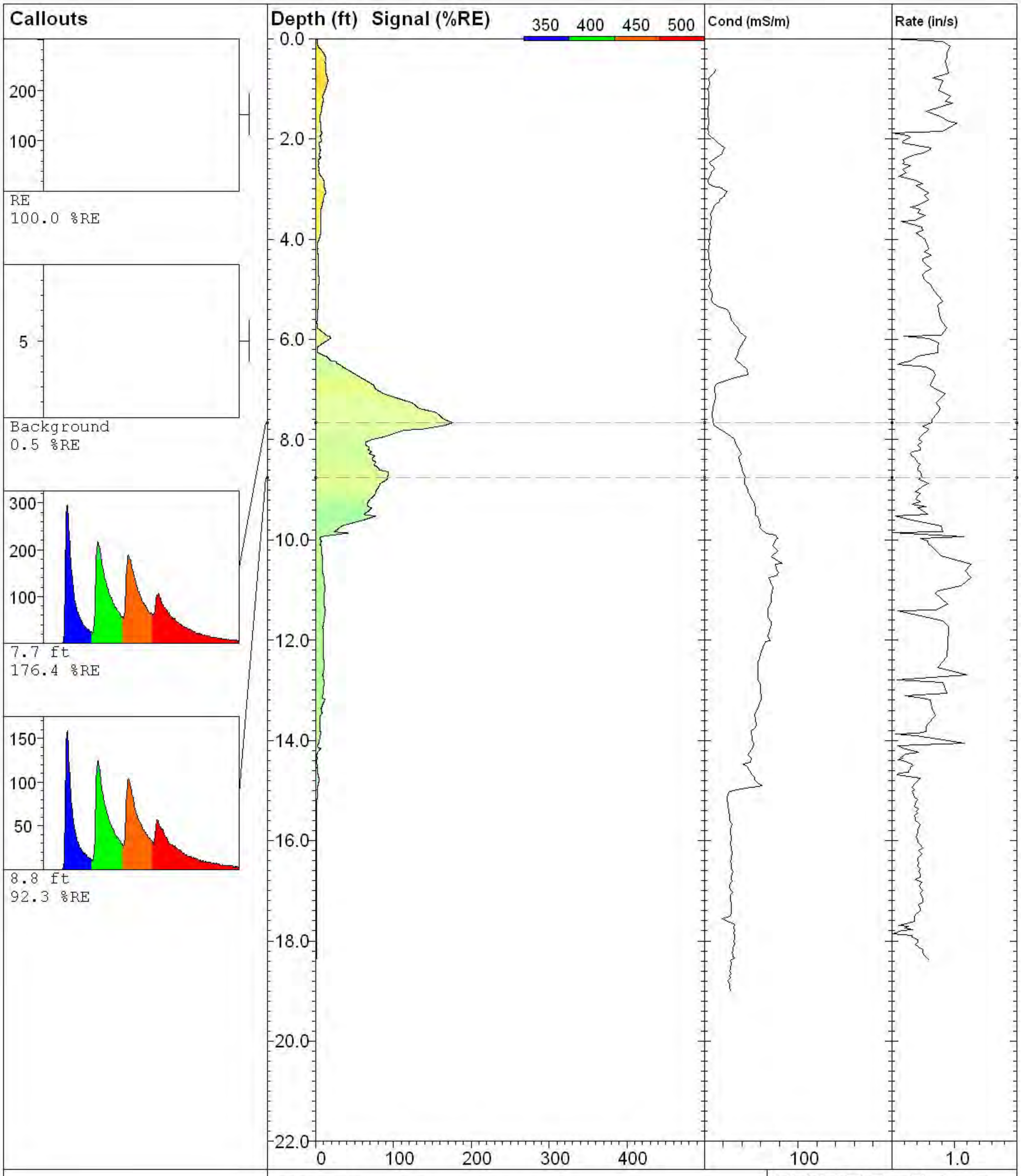


LIF-119		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **21.13 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **347.0 % @ 9.63 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-03 08:01 CDT**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

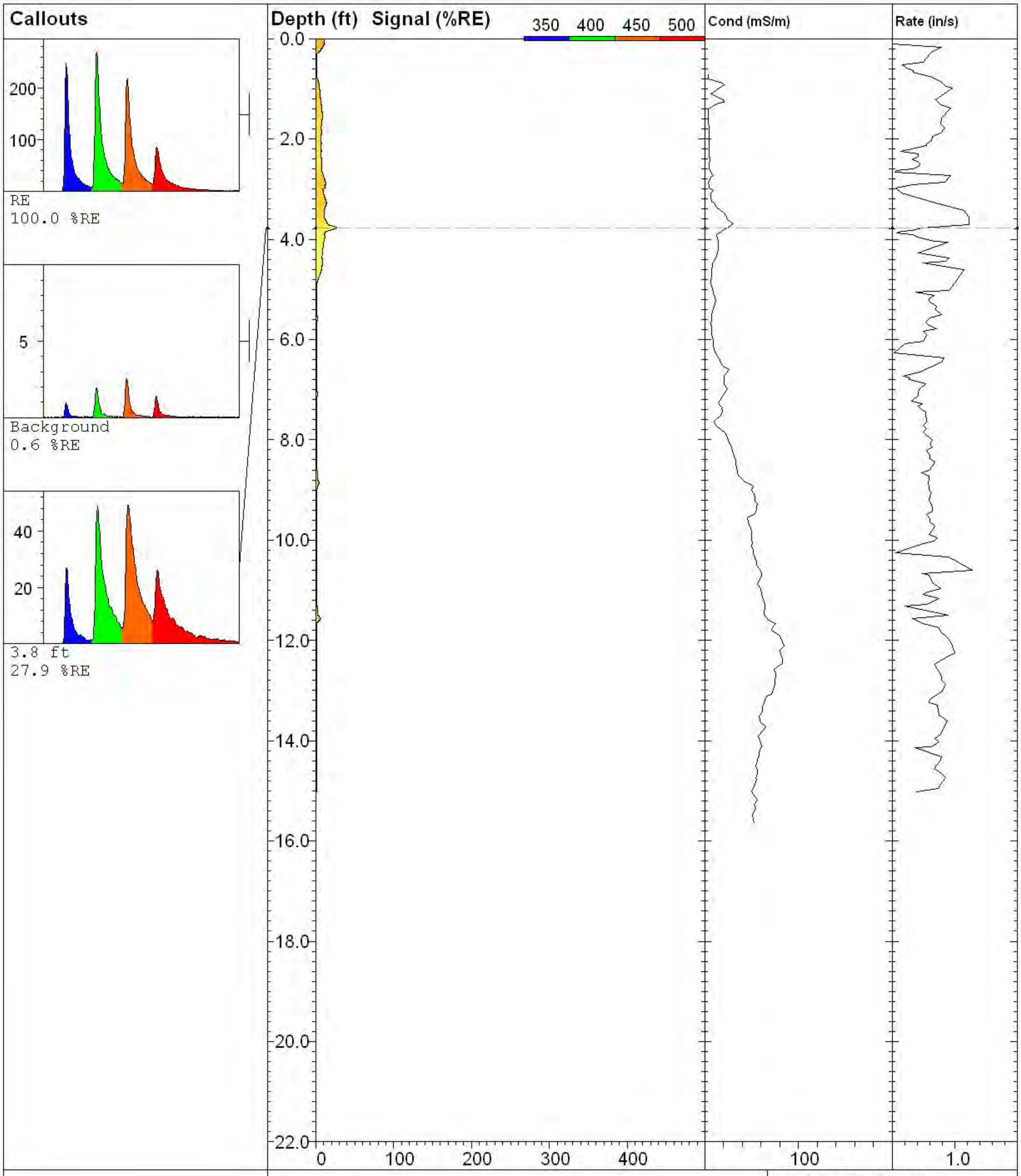


MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-120**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **19.09 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **169.4 % @ 9.01 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-02 11:18 CDT**

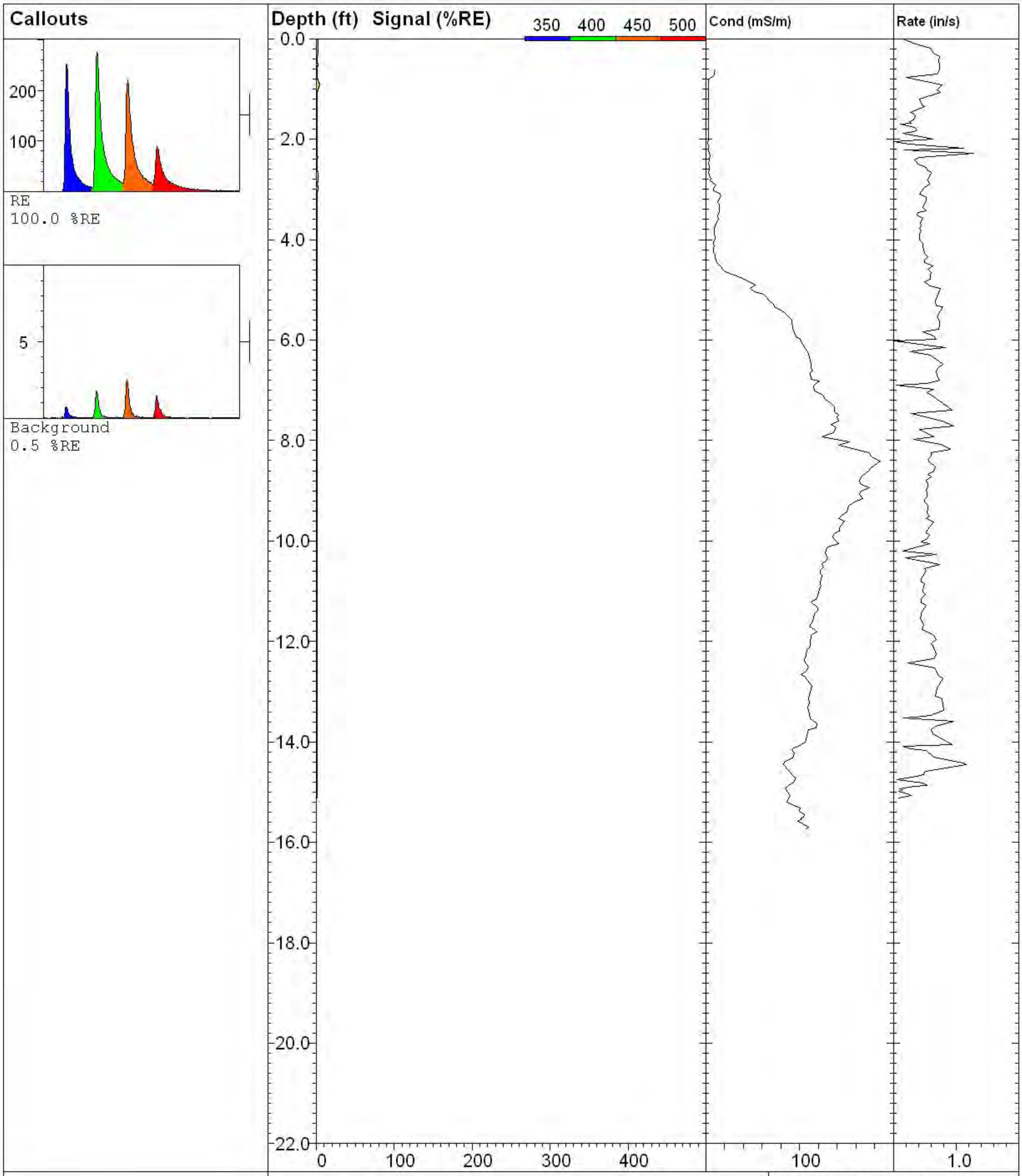


LIF-121_Recovered		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **18.37 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **176.4 % @ 7.66 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-04 13:25 CDT**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

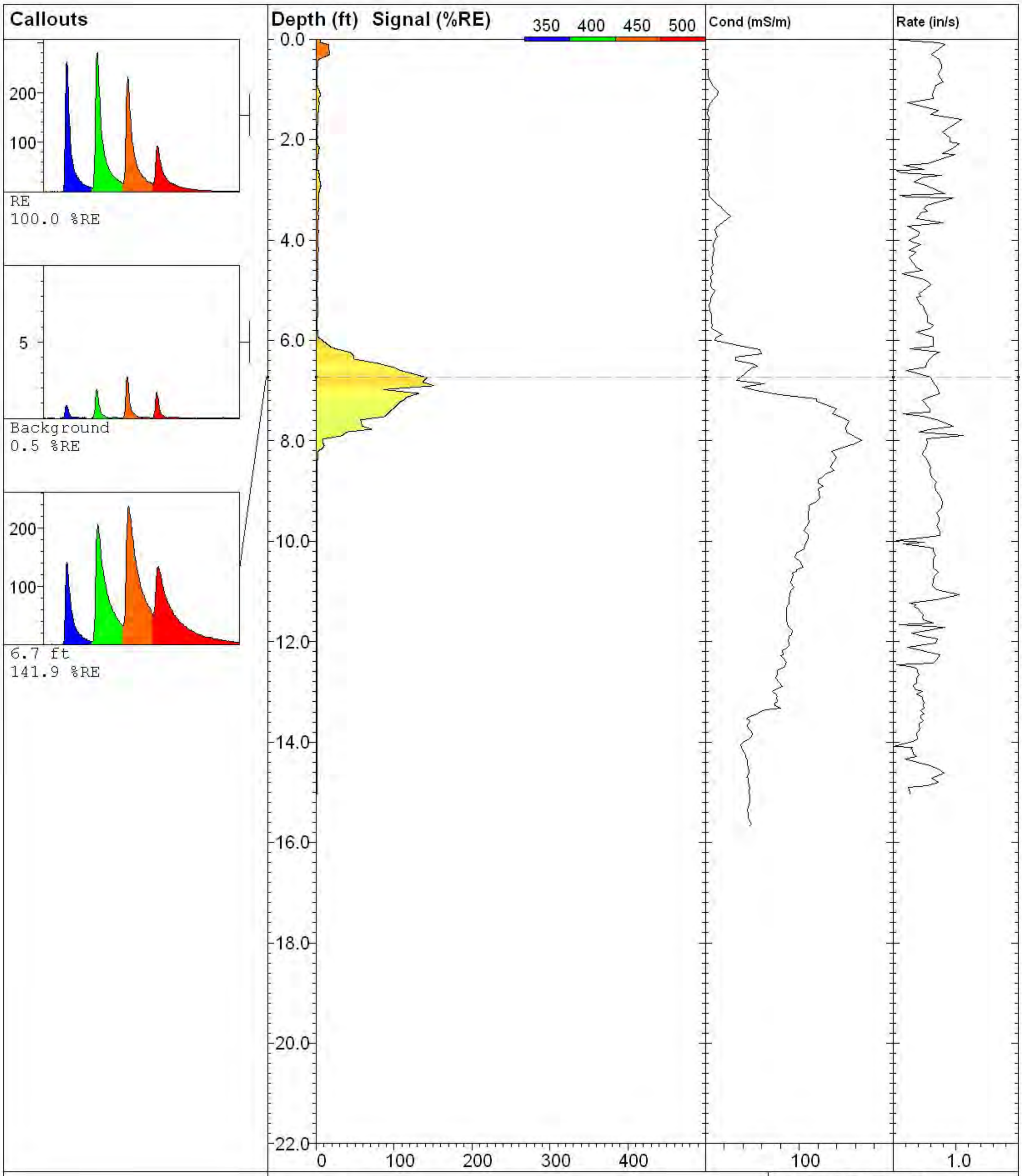


MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-122**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **27.9 % @ 3.77 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-04 14:55 CDT**

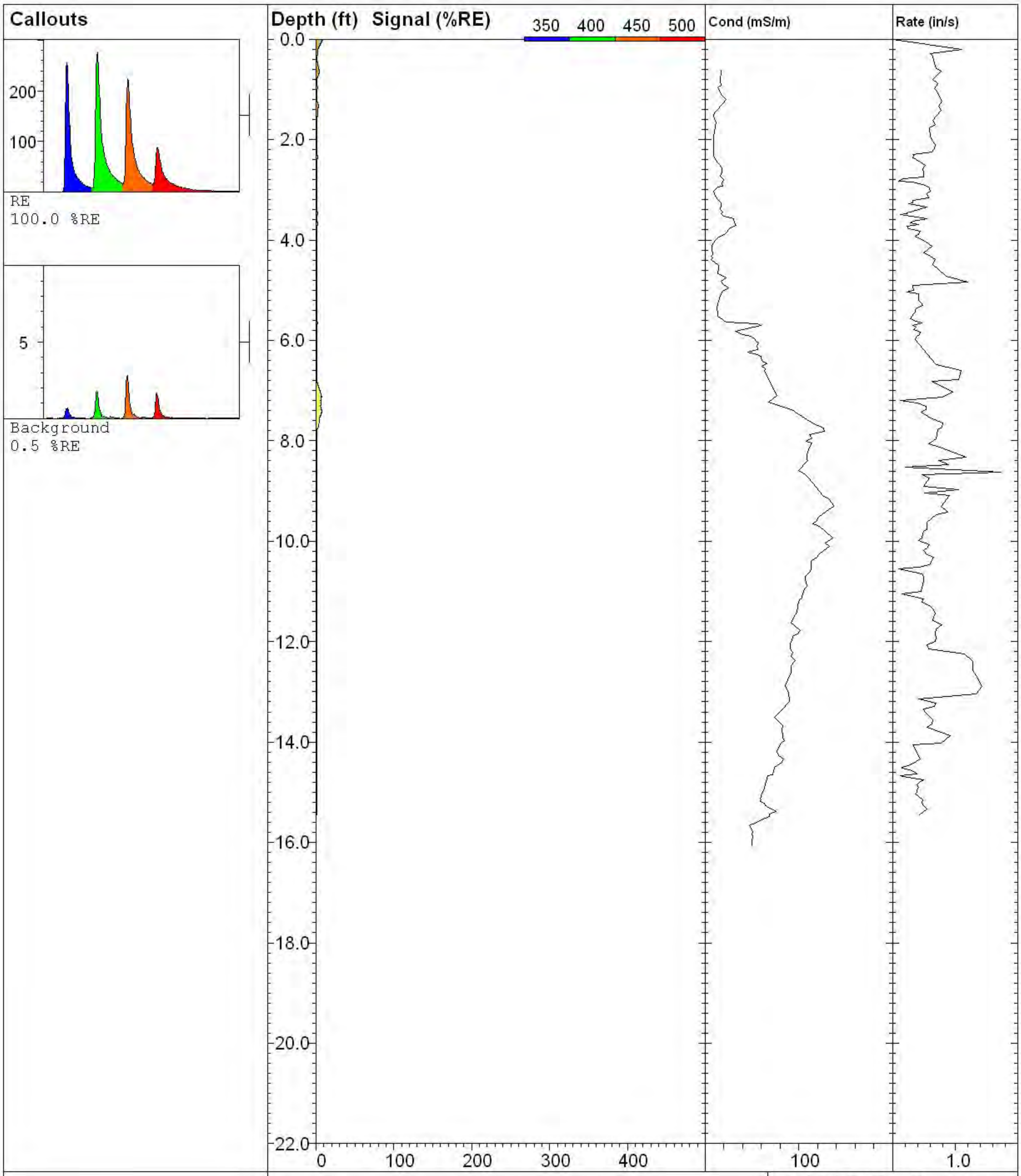


LIF-123		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.12 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **4.2 % @ 0.92 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-04 13:25 CDT**

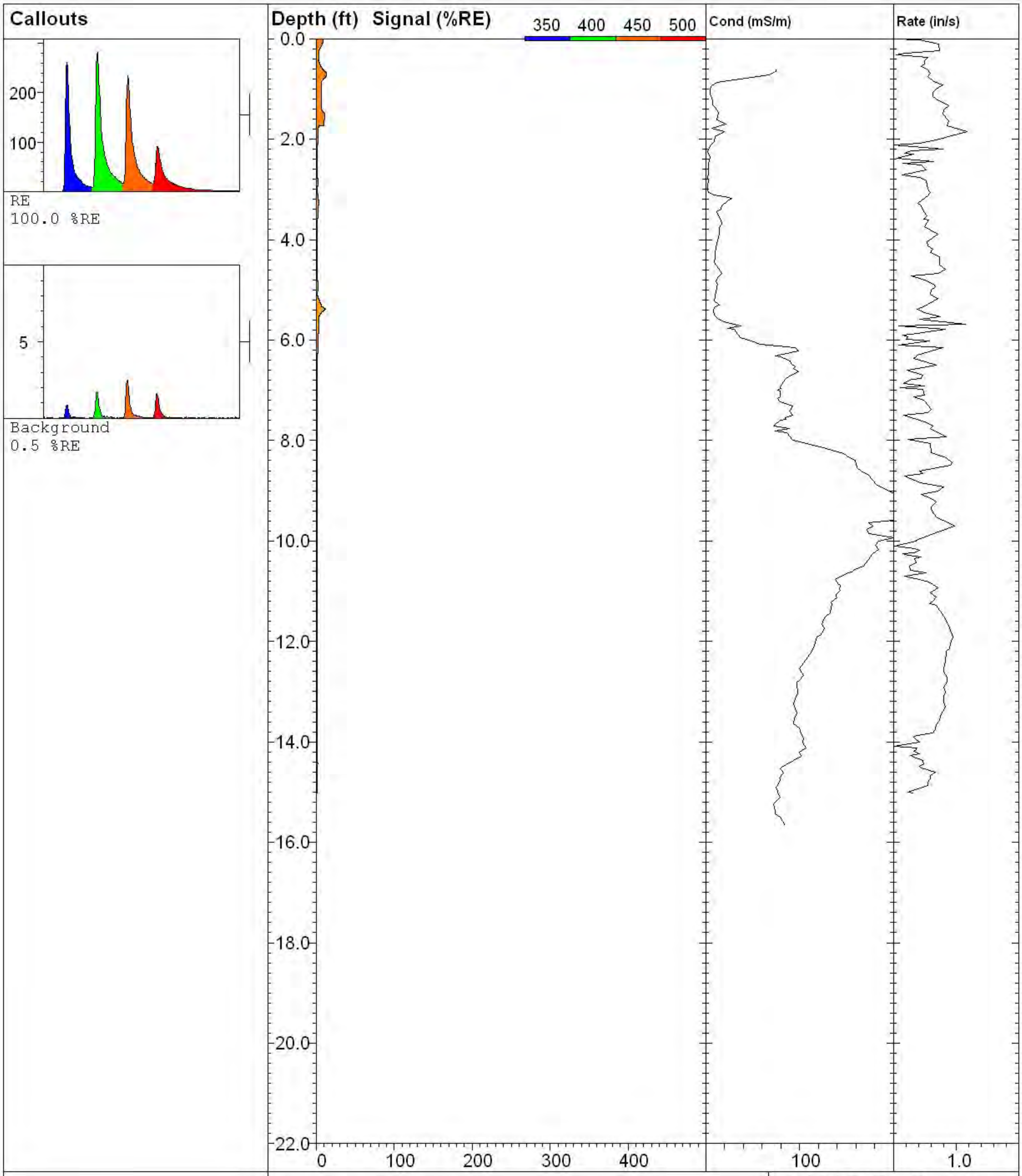
MATRIX ENVIRONMENTAL LLC
www.matrixenv.com



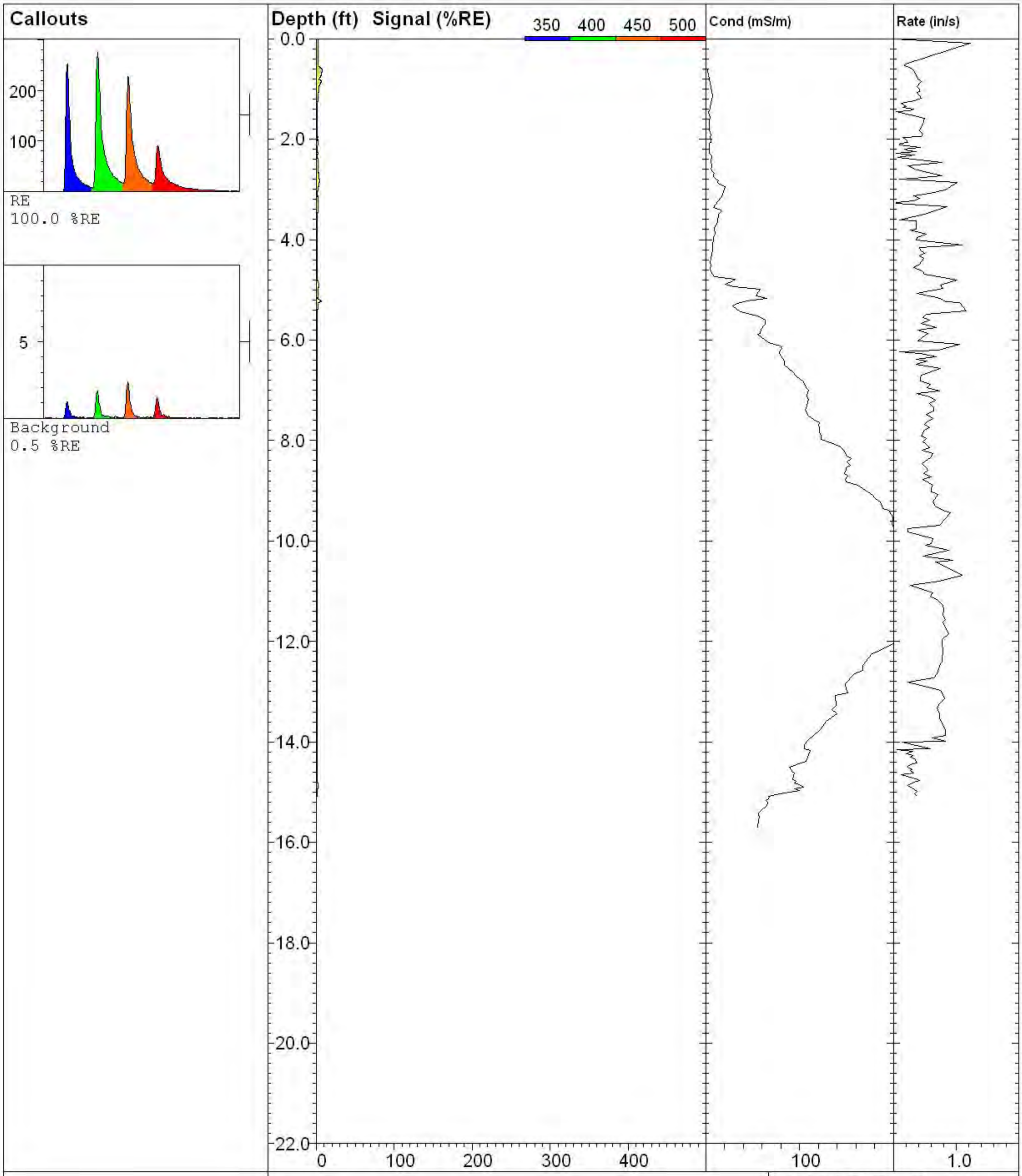
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-124**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.04 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **150.9 % @ 6.90 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-04 12:43 CDT**



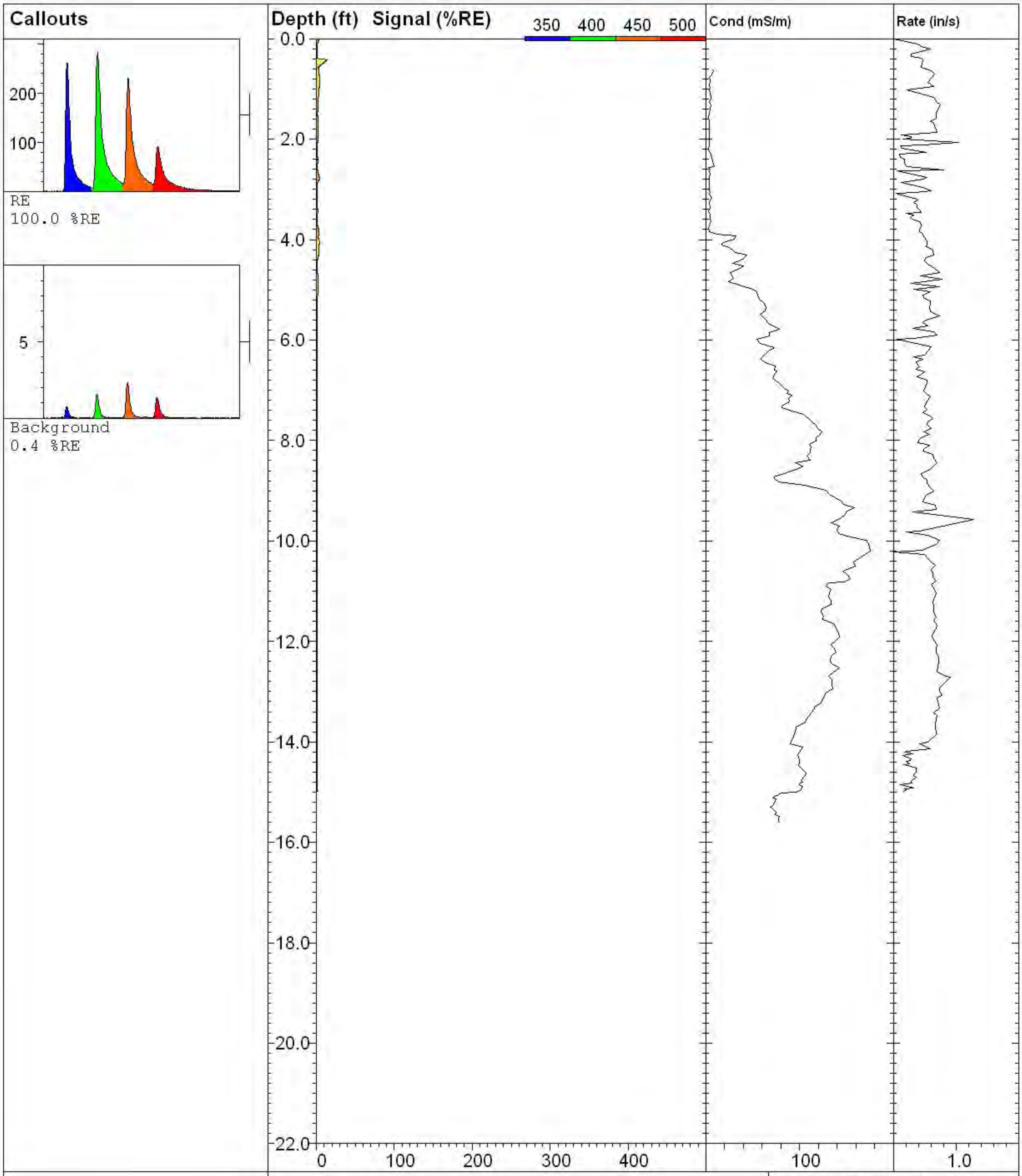
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-125**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.45 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **8.5 % @ 0.00 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-04 12:11 CDT**



MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-126**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.03 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **12.8 % @ 0.69 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-04 08:13 CDT**

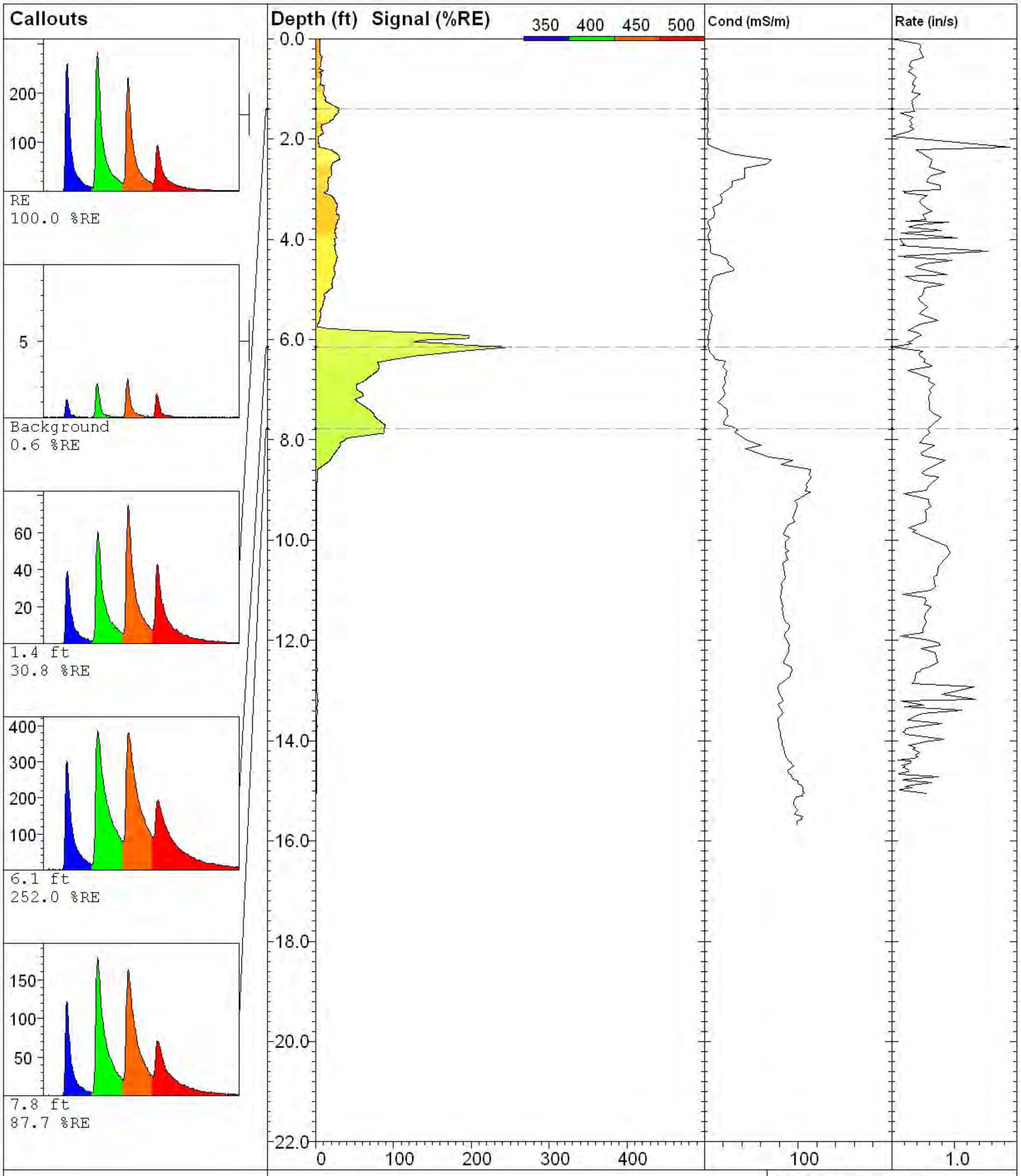


MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-127**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.08 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **7.3 % @ 0.64 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-04 07:47 CDT**



LIF-128		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **14.99 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **13.8 % @ 0.42 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-09 15:24 CST**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

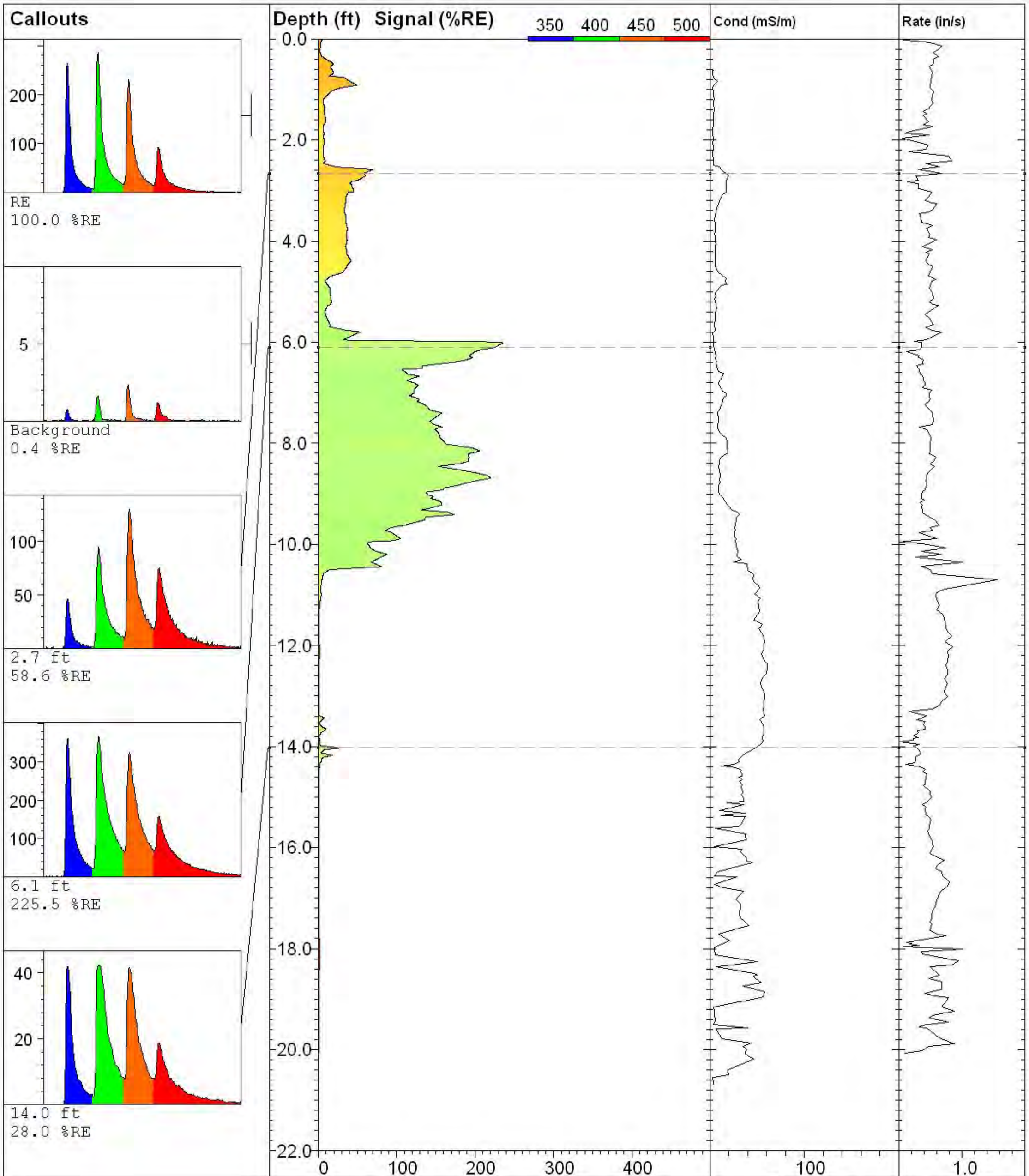


MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

LIF-129

UVOST By Dakota
www.DakotaTechnologies.com

Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.06 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **252.0 % @ 6.15 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-09 14:50 CST**

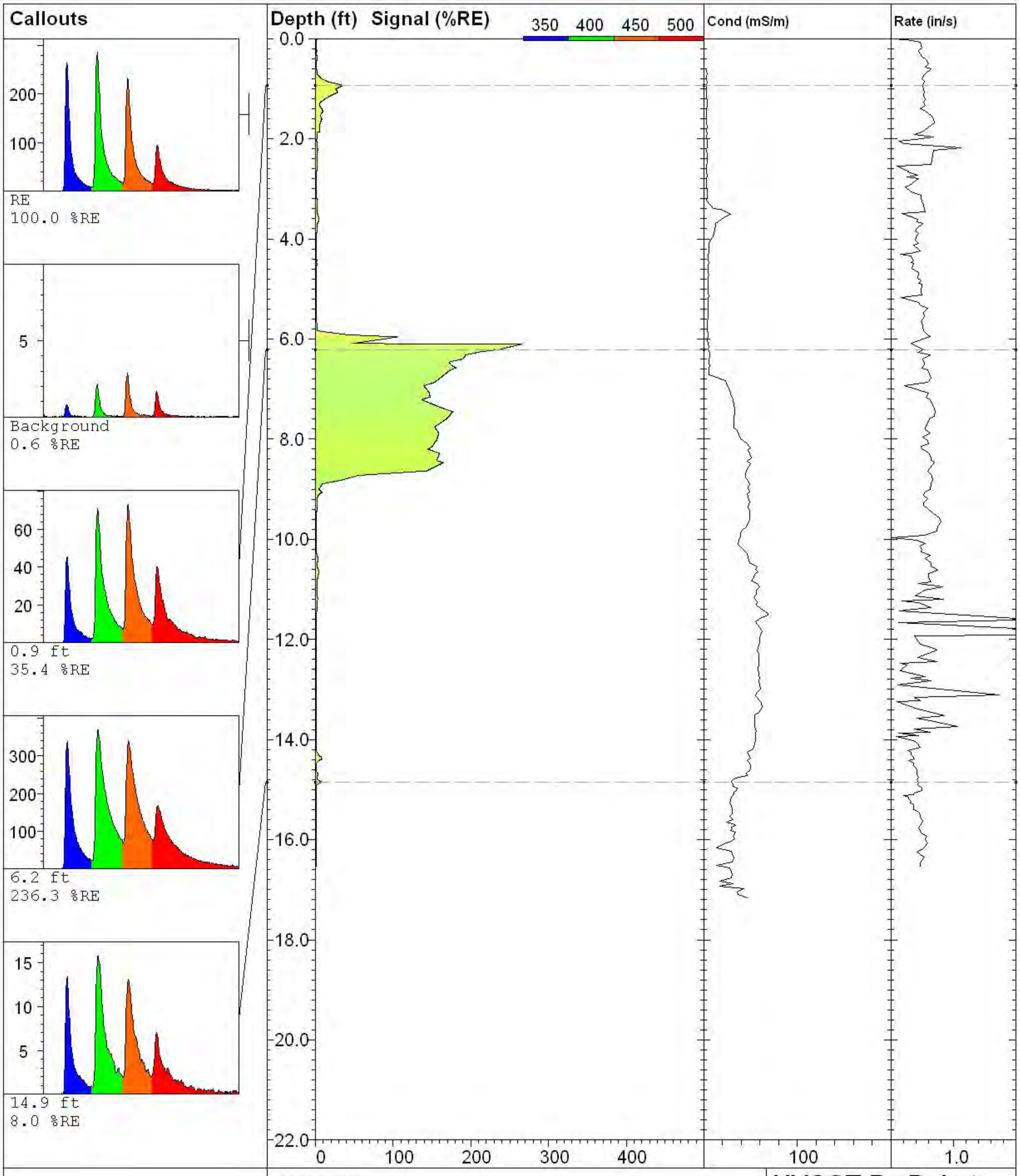


MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

LIF-130

UVOST By Dakota
www.DakotaTechnologies.com

Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **20.06 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **236.0 % @ 6.01 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-09 10:48 CST**

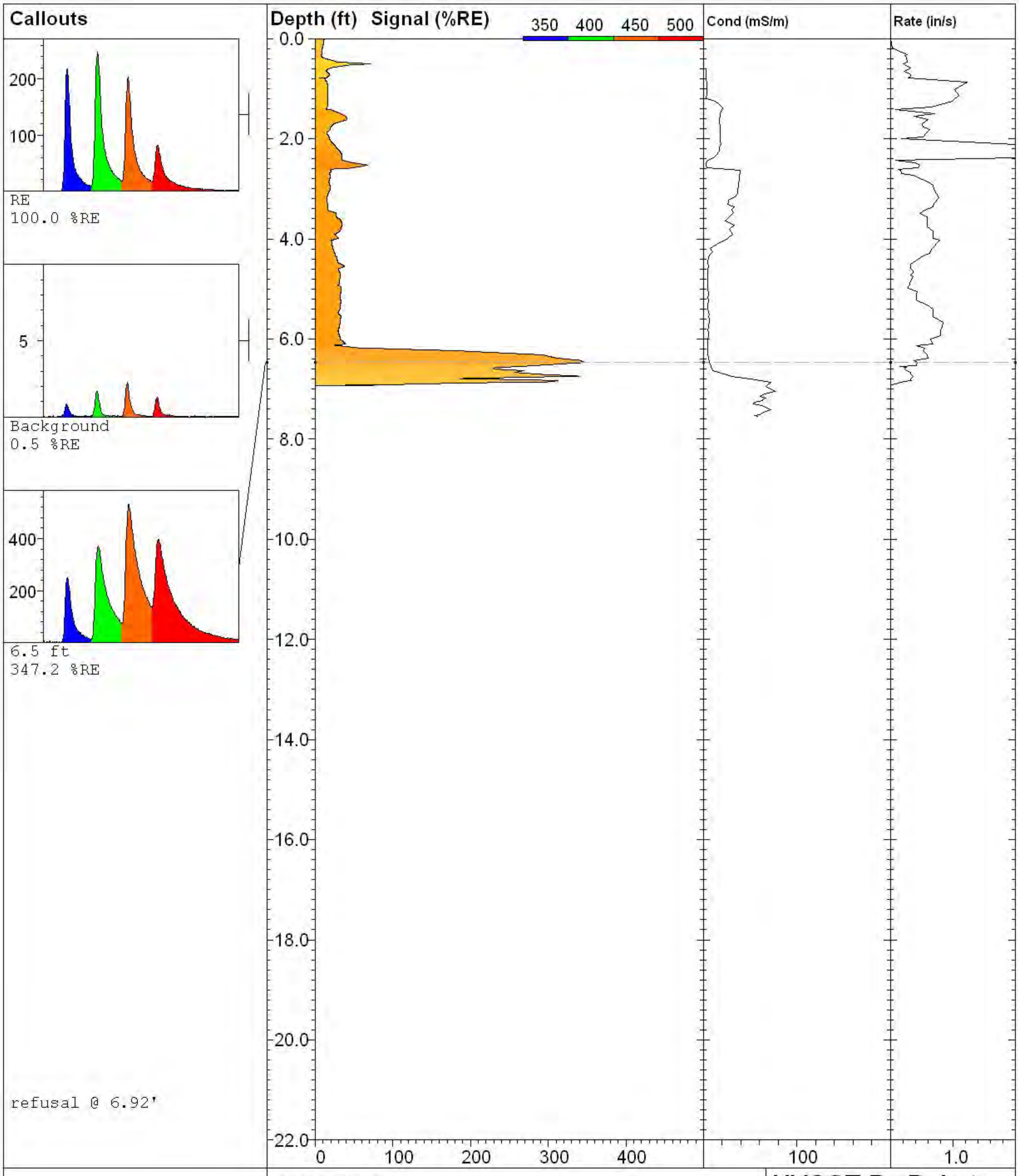


MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

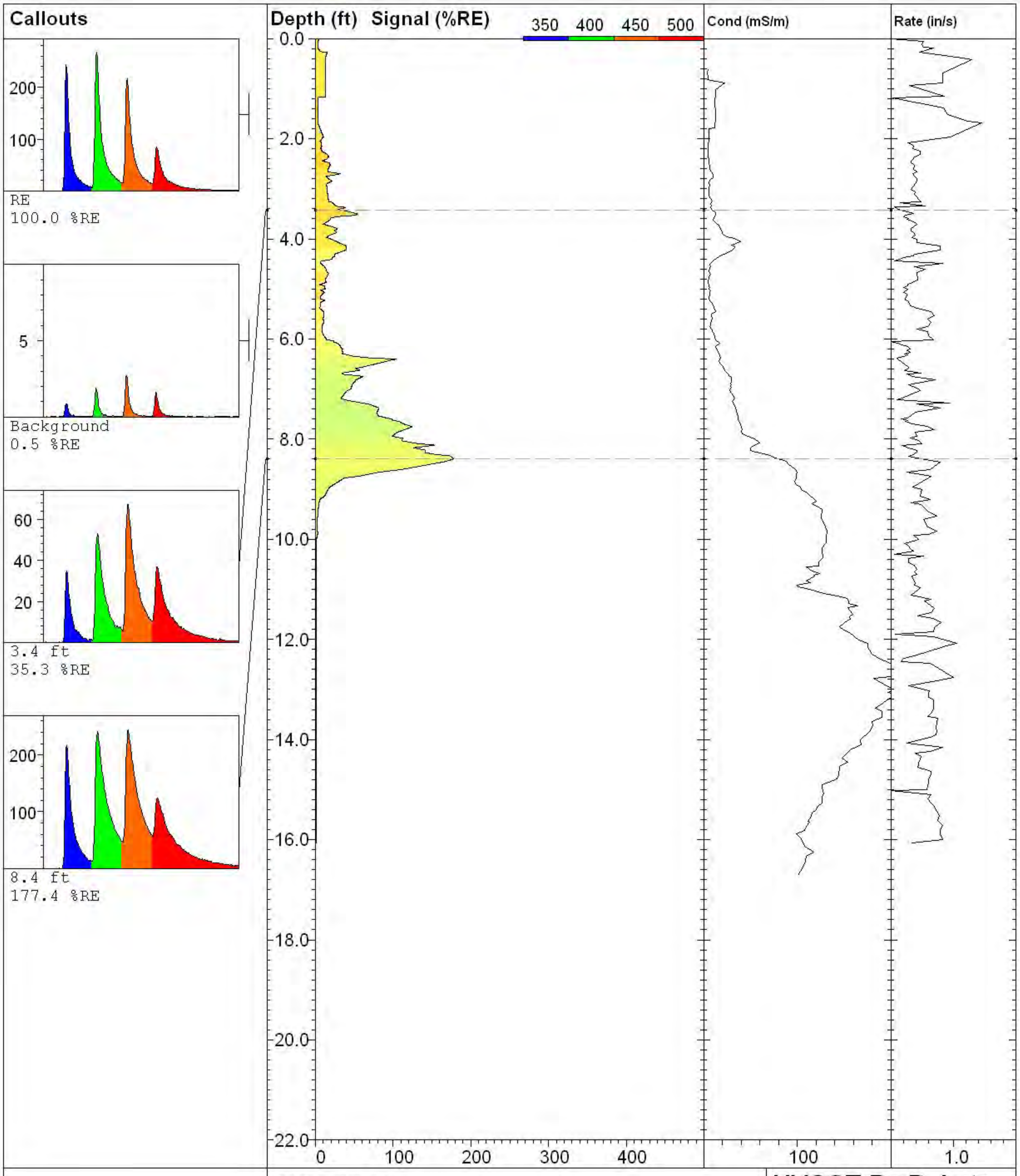
LIF-131

UVOST By Dakota
www.DakotaTechnologies.com

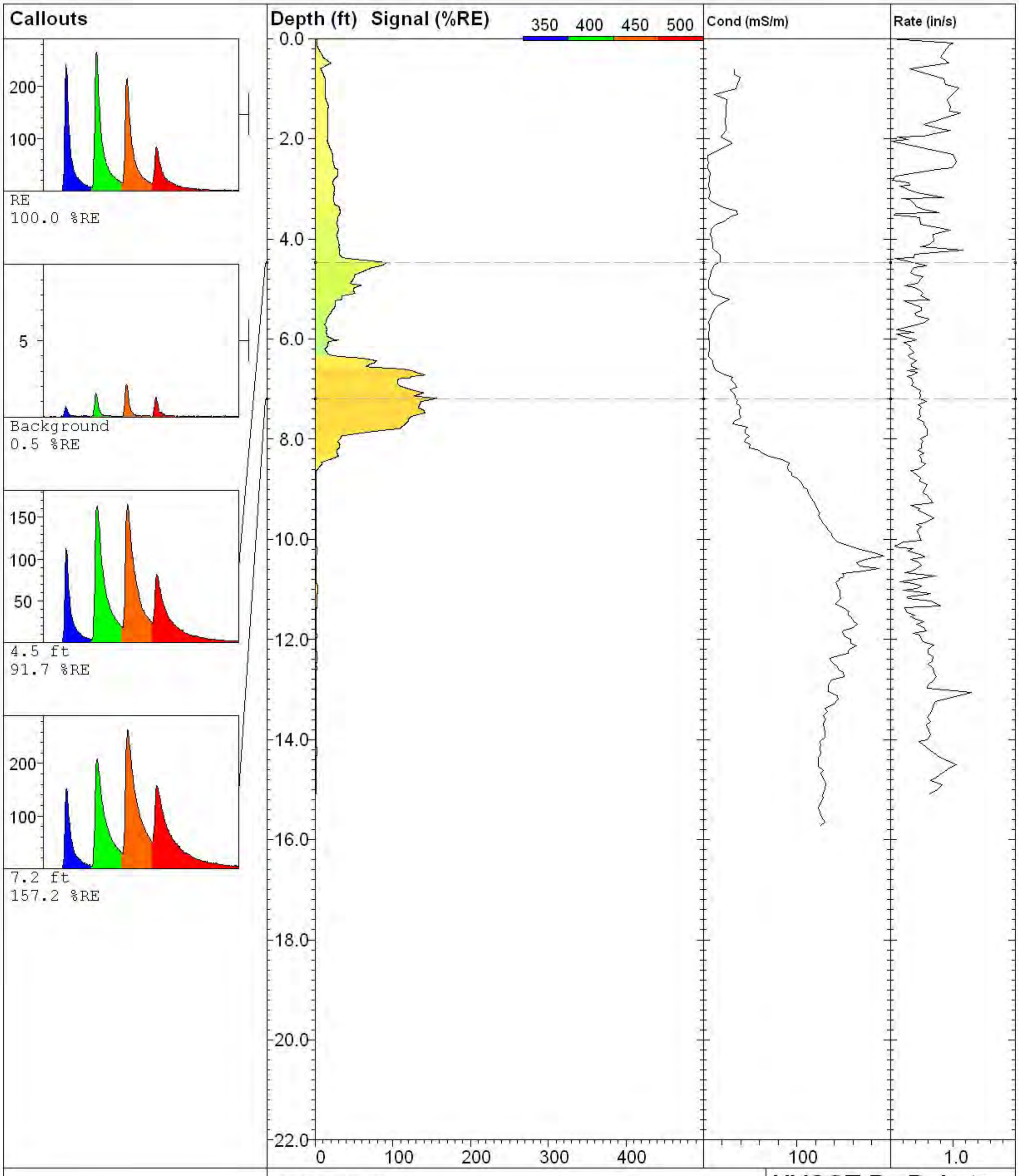
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.54 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **265.3 % @ 6.11 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-09 10:18 CST**



MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-132**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **6.92 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **347.2 % @ 6.47 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-03 09:55 CDT**



MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-133**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.07 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **177.4 % @ 8.40 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-03 15:43 CDT**

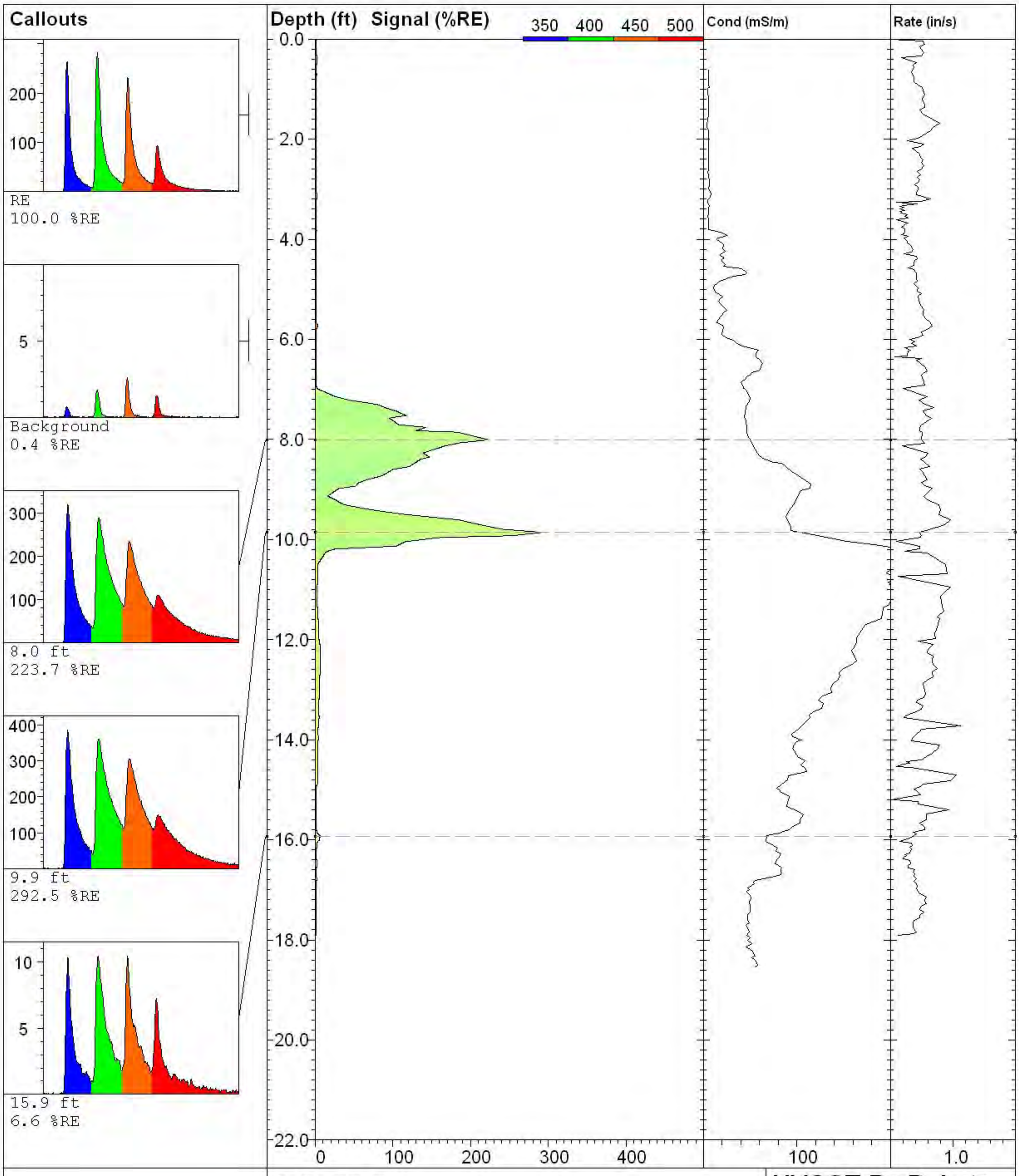


LIF-135

UVOST By Dakota
www.DakotaTechnologies.com

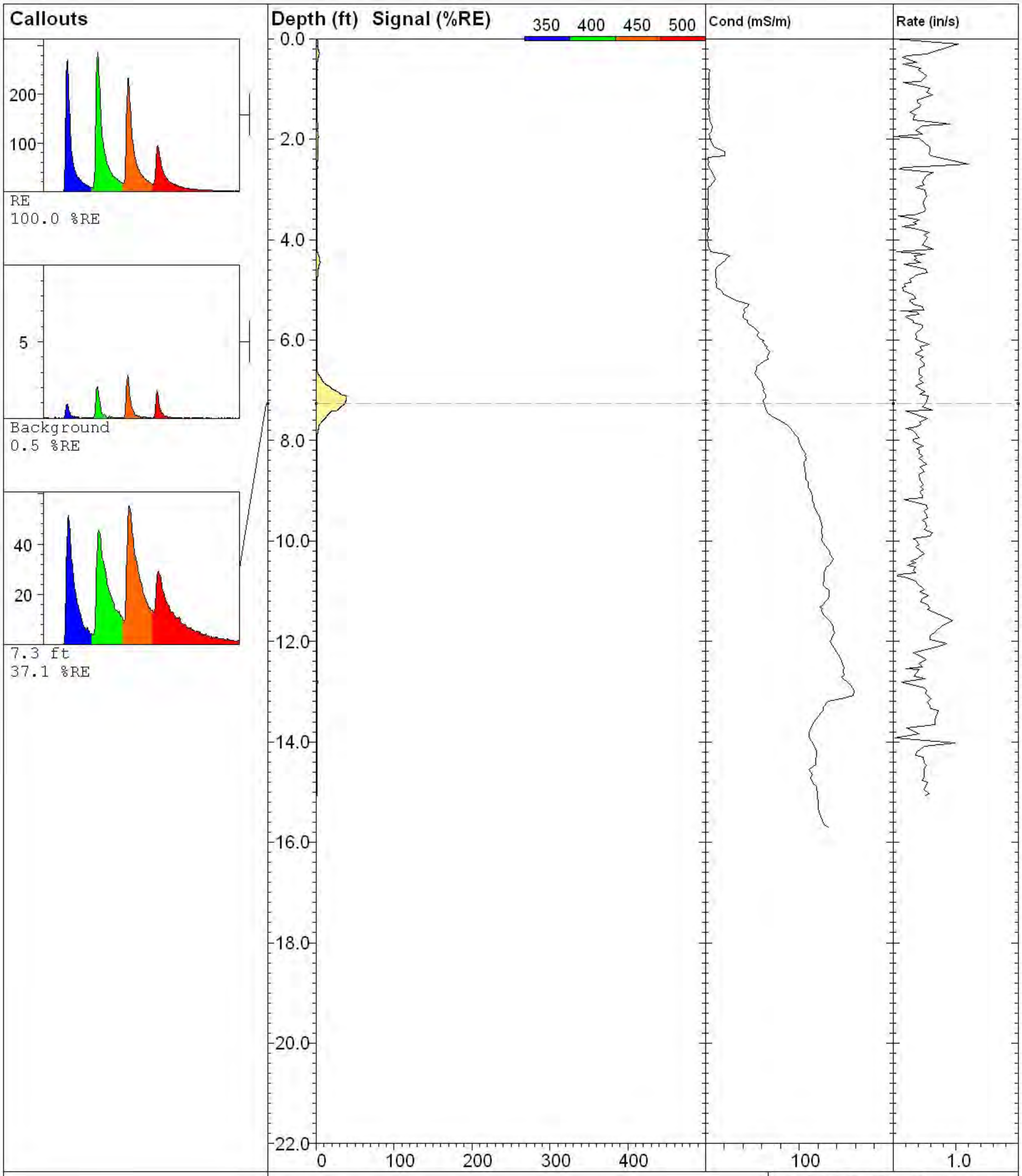
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.09 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **157.2 % @ 7.19 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-03 16:49 CDT**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com



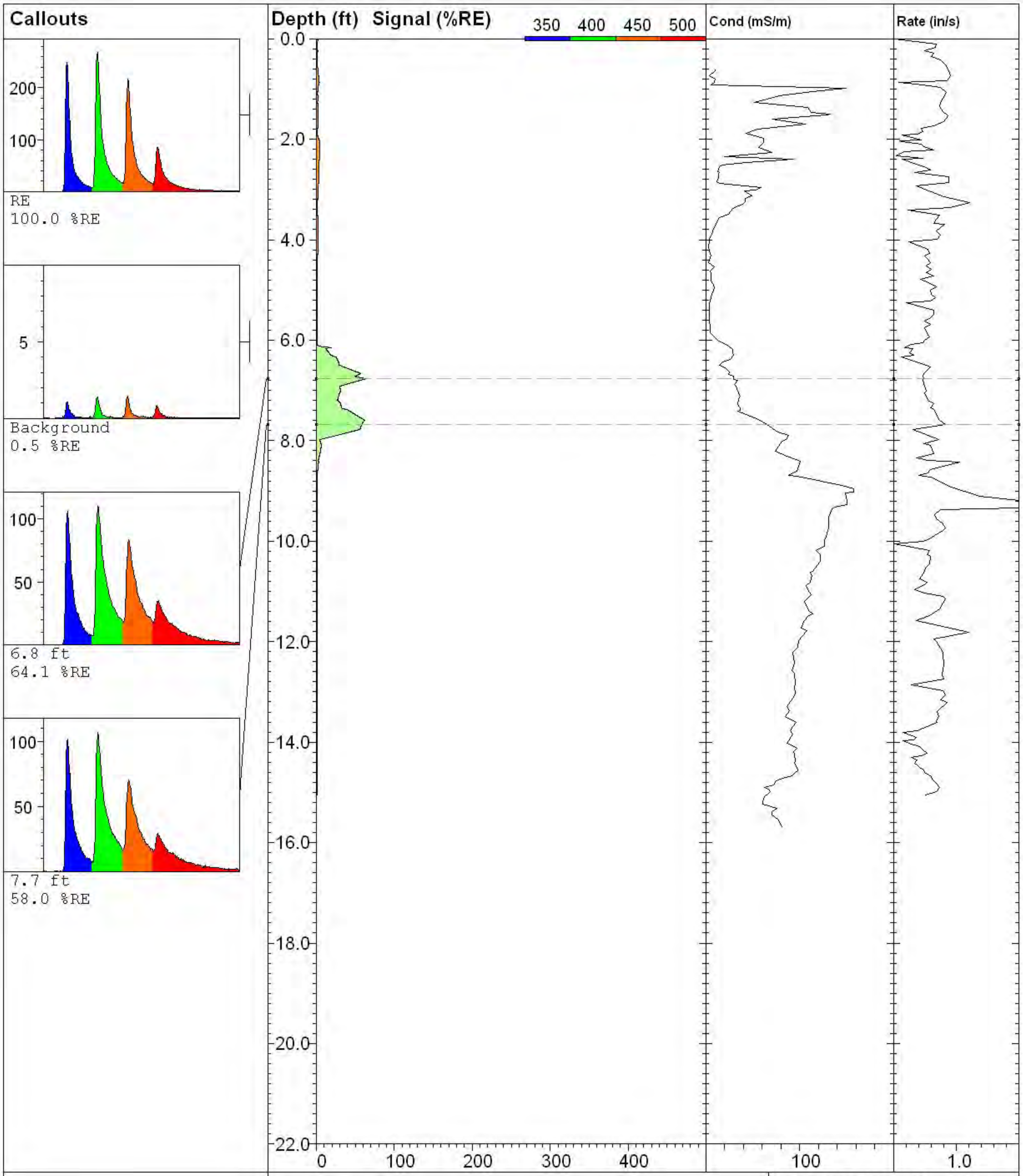
LIF-136		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **17.91 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **292.5 % @ 9.86 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-09 09:24 CST**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

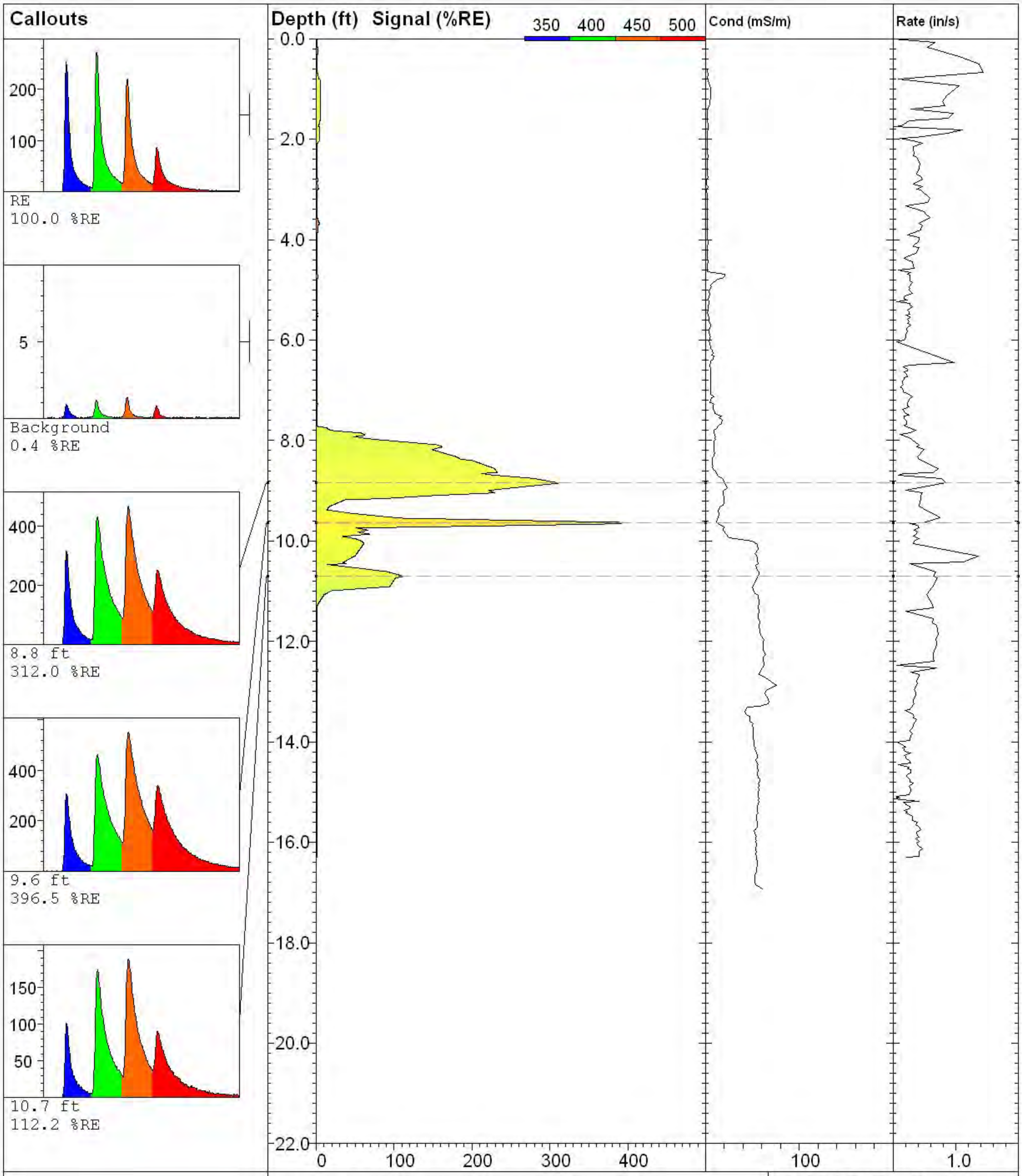


LIF-137		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.07 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **39.3 % @ 7.12 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-09 08:45 CST**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

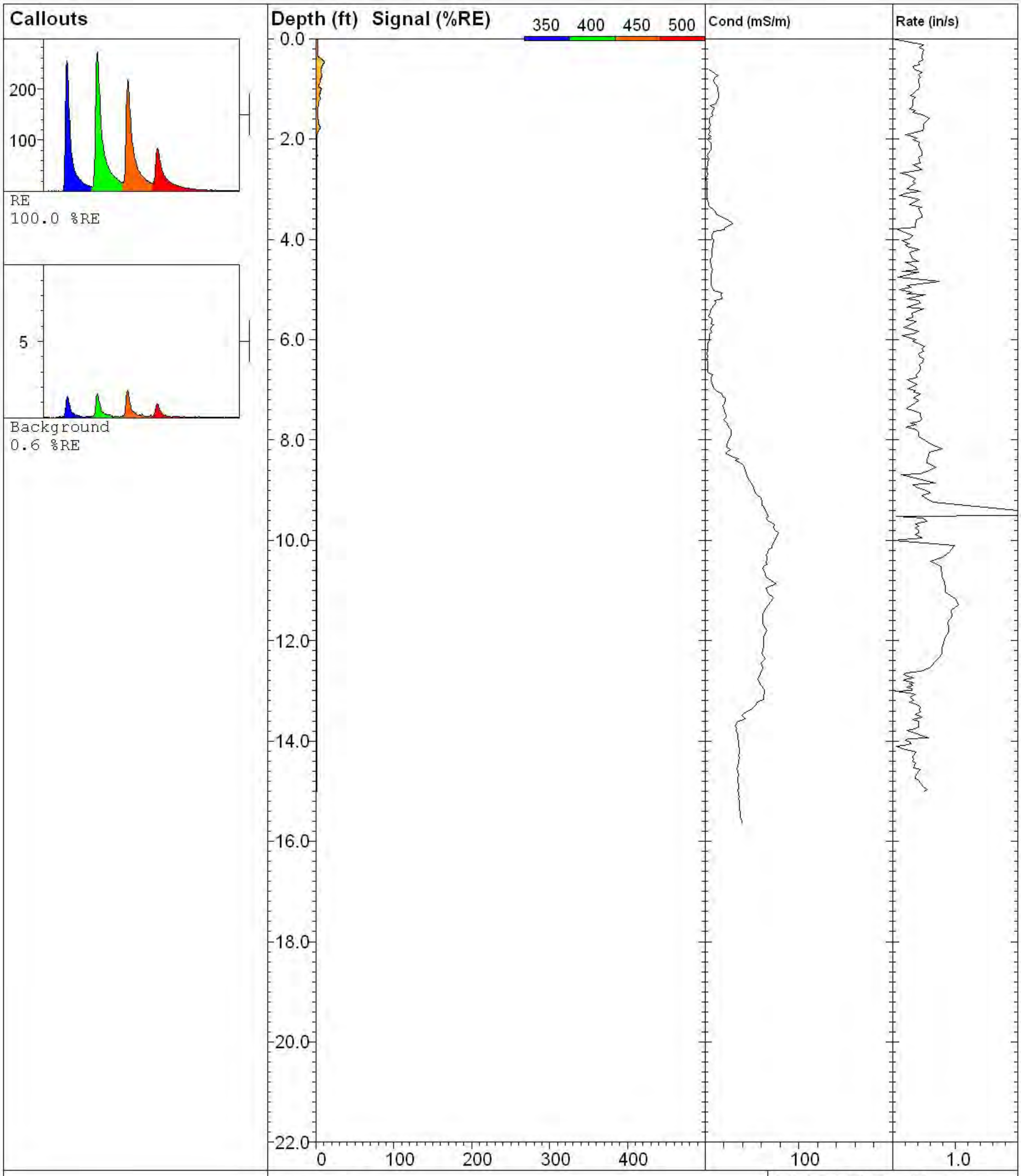


MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-139**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.05 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **64.1 % @ 6.77 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-10 13:56 CST**



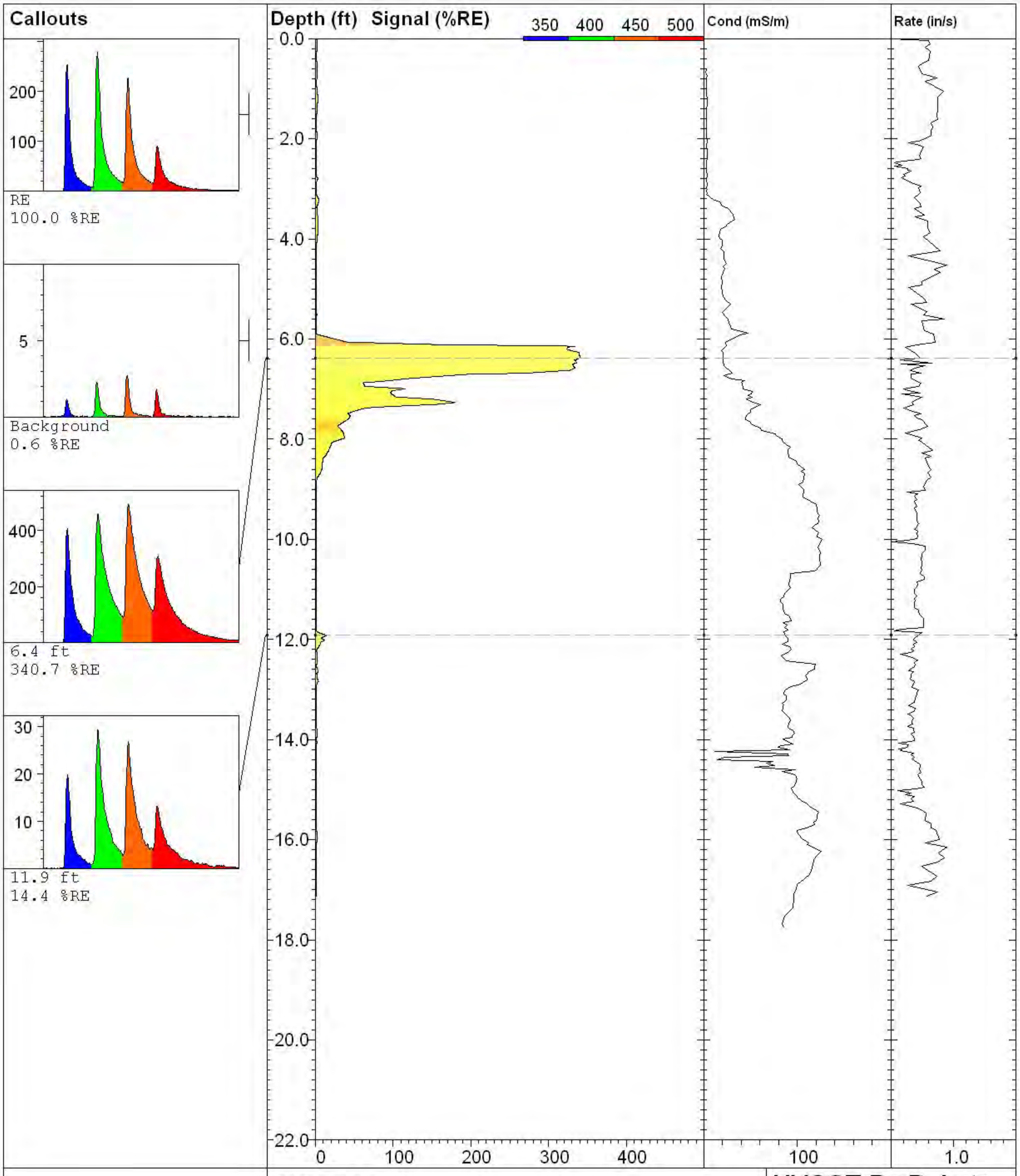
LIF-144		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.30 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **396.5 % @ 9.63 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-14 09:15 CST**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com



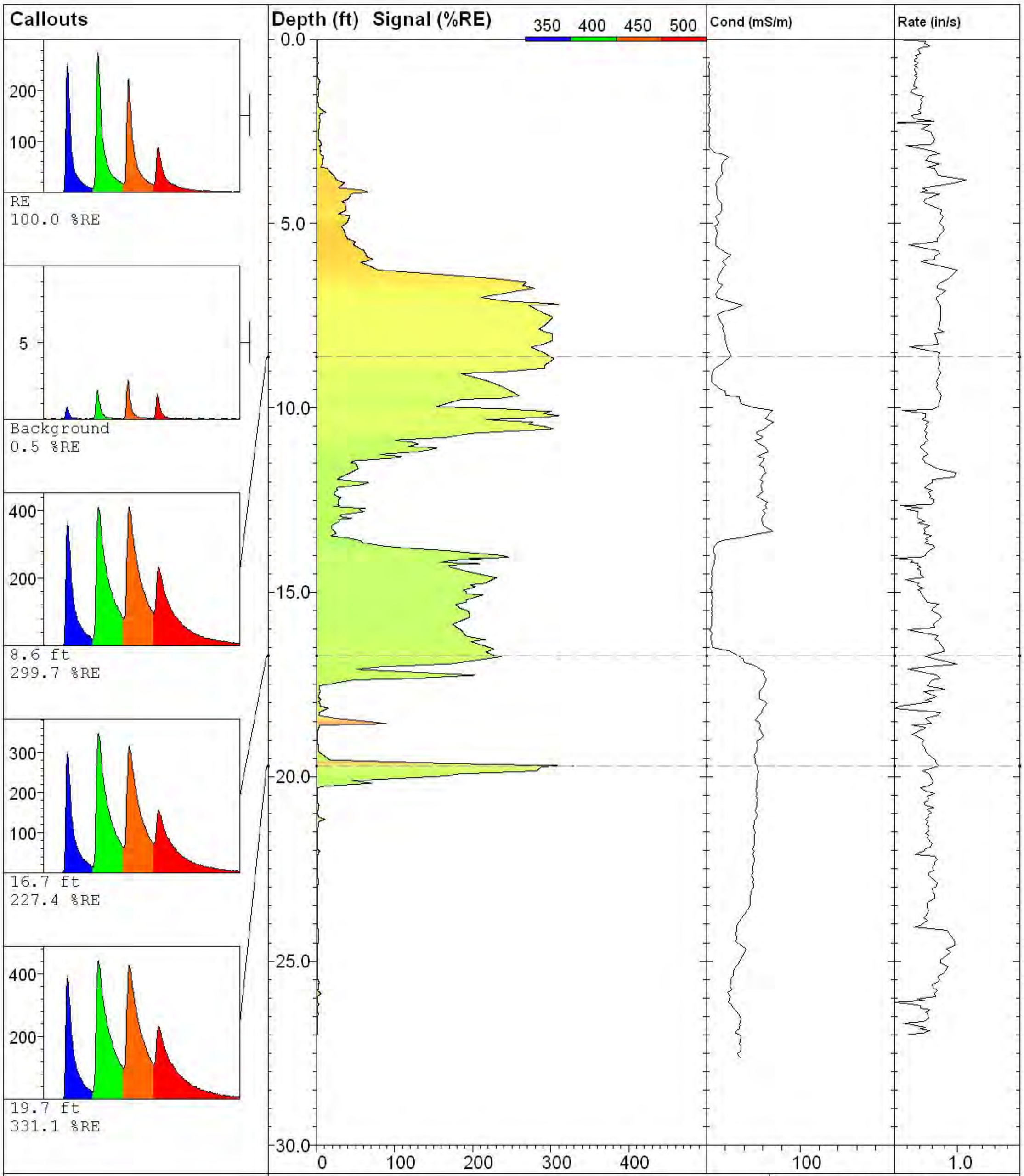
LIF-145		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **10.7 % @ 0.47 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-10 13:12 CST**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

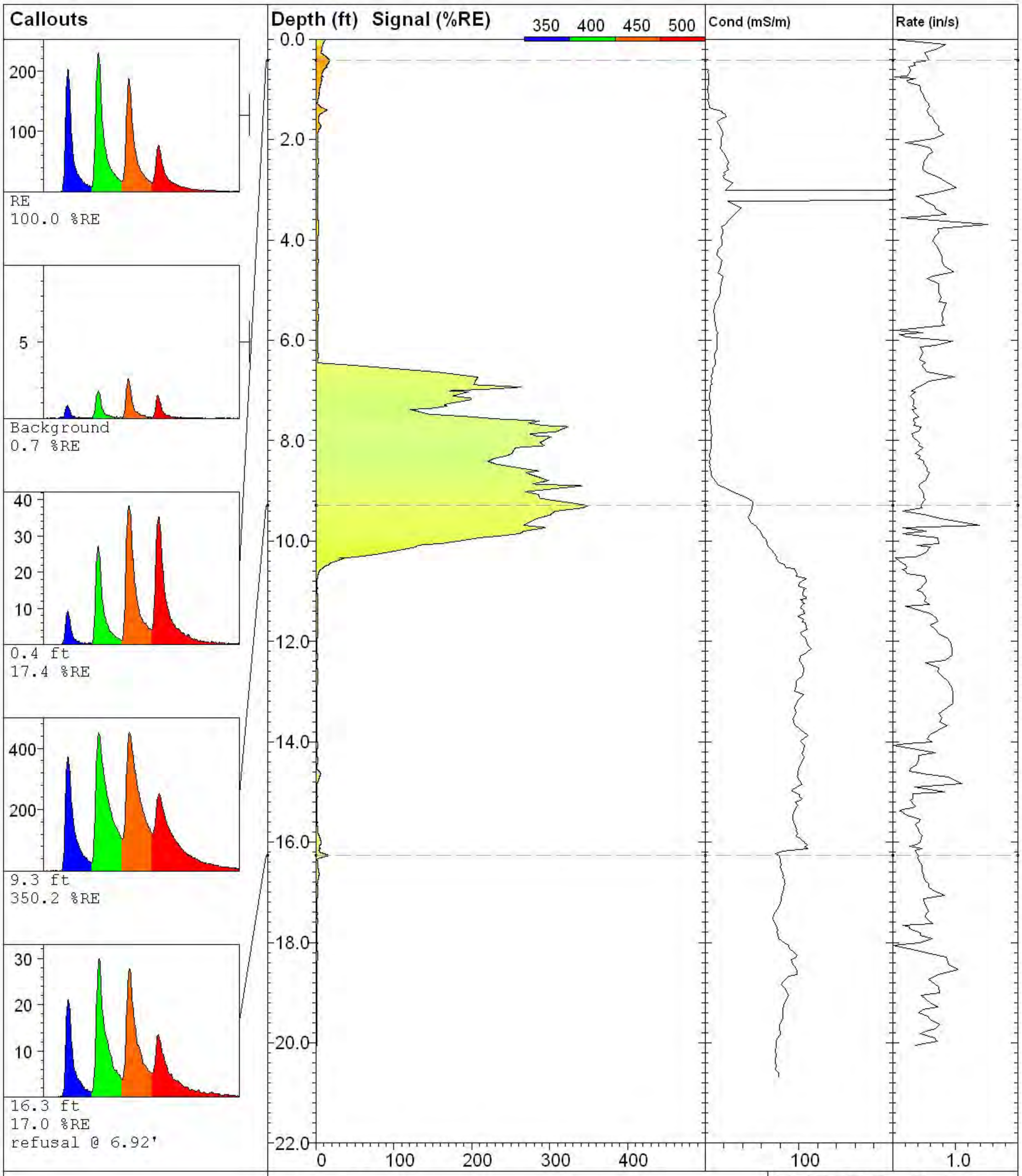


LIF-140		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **17.13 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **340.7 % @ 6.38 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-09 14:00 CST**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

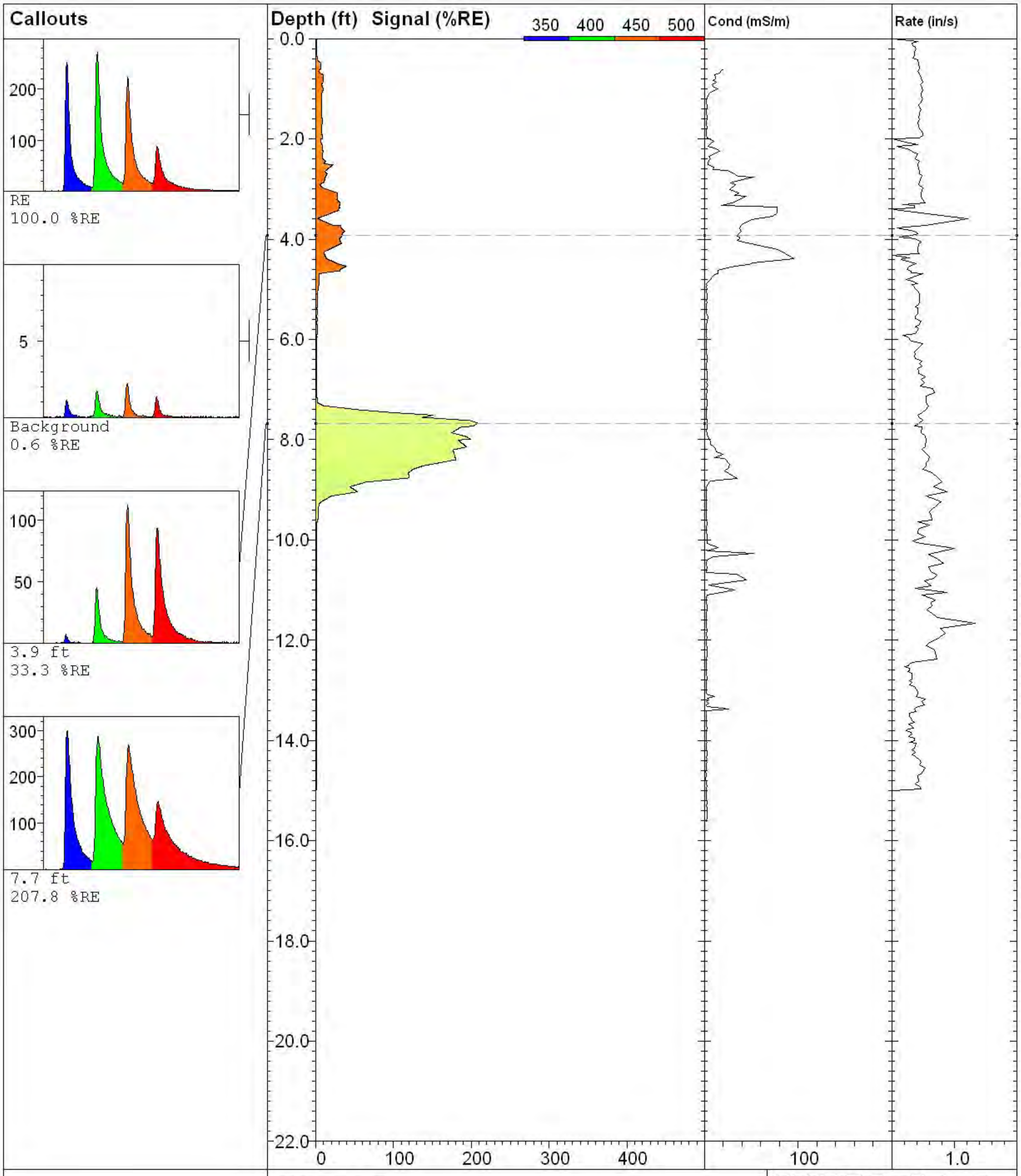


MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-142**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **26.99 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **331.1 % @ 19.71 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-09 13:05 CST**

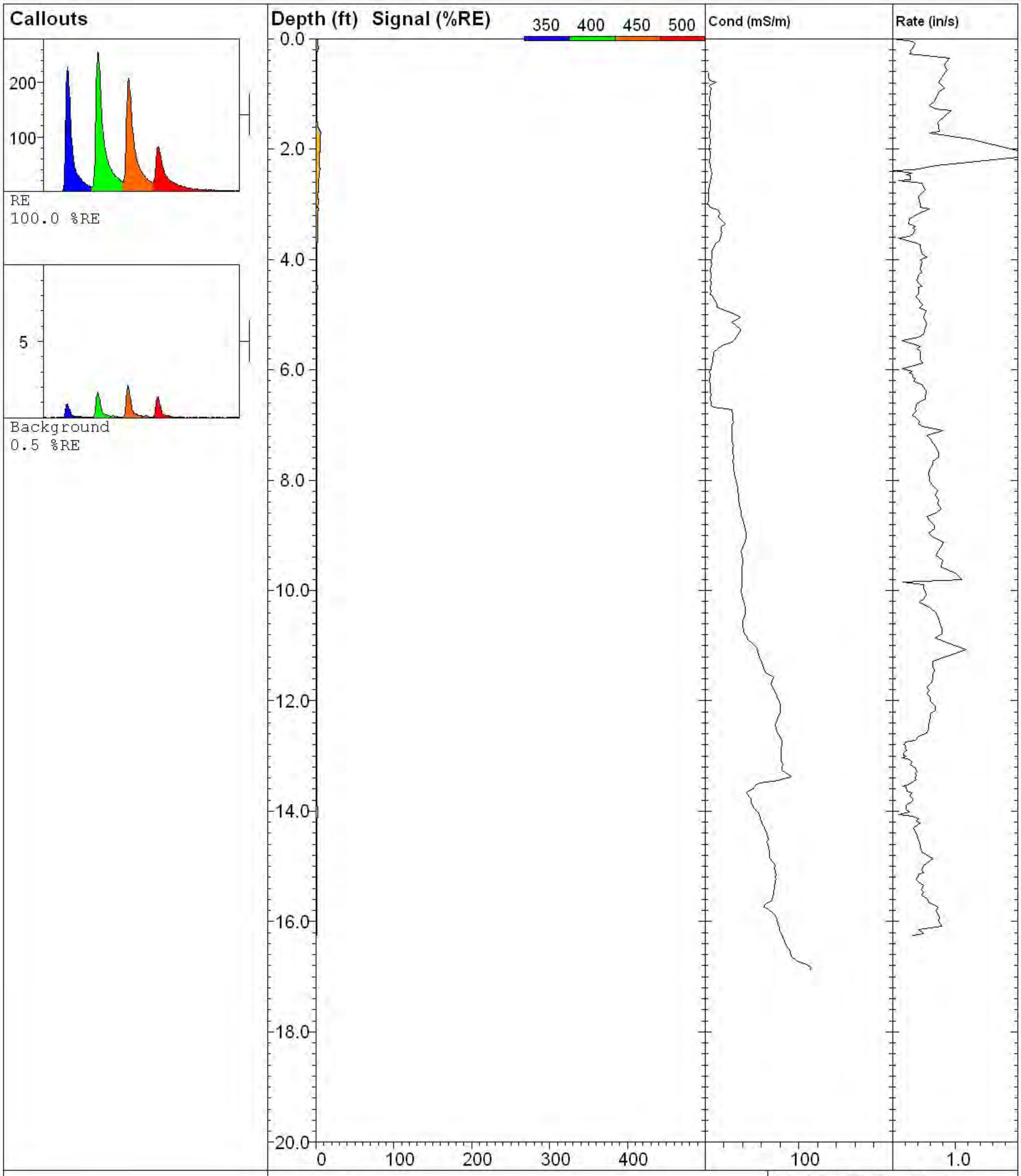


LIF-143		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **20.06 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **350.2 % @ 9.29 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-03 10:33 CDT**

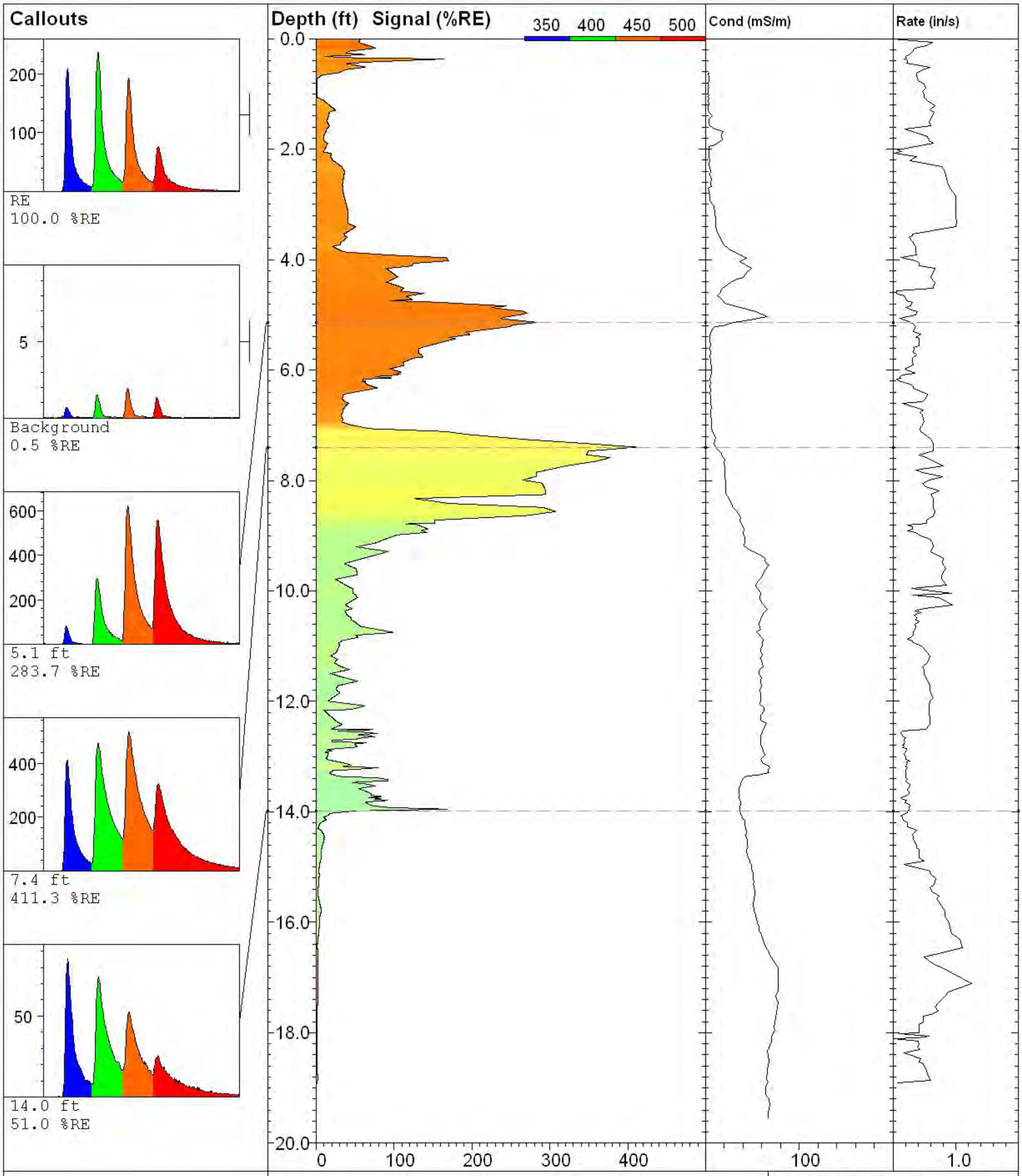
MATRIX ENVIRONMENTAL LLC
www.matrixenv.com



MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-146**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **207.8 % @ 7.67 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-10 12:07 CST**

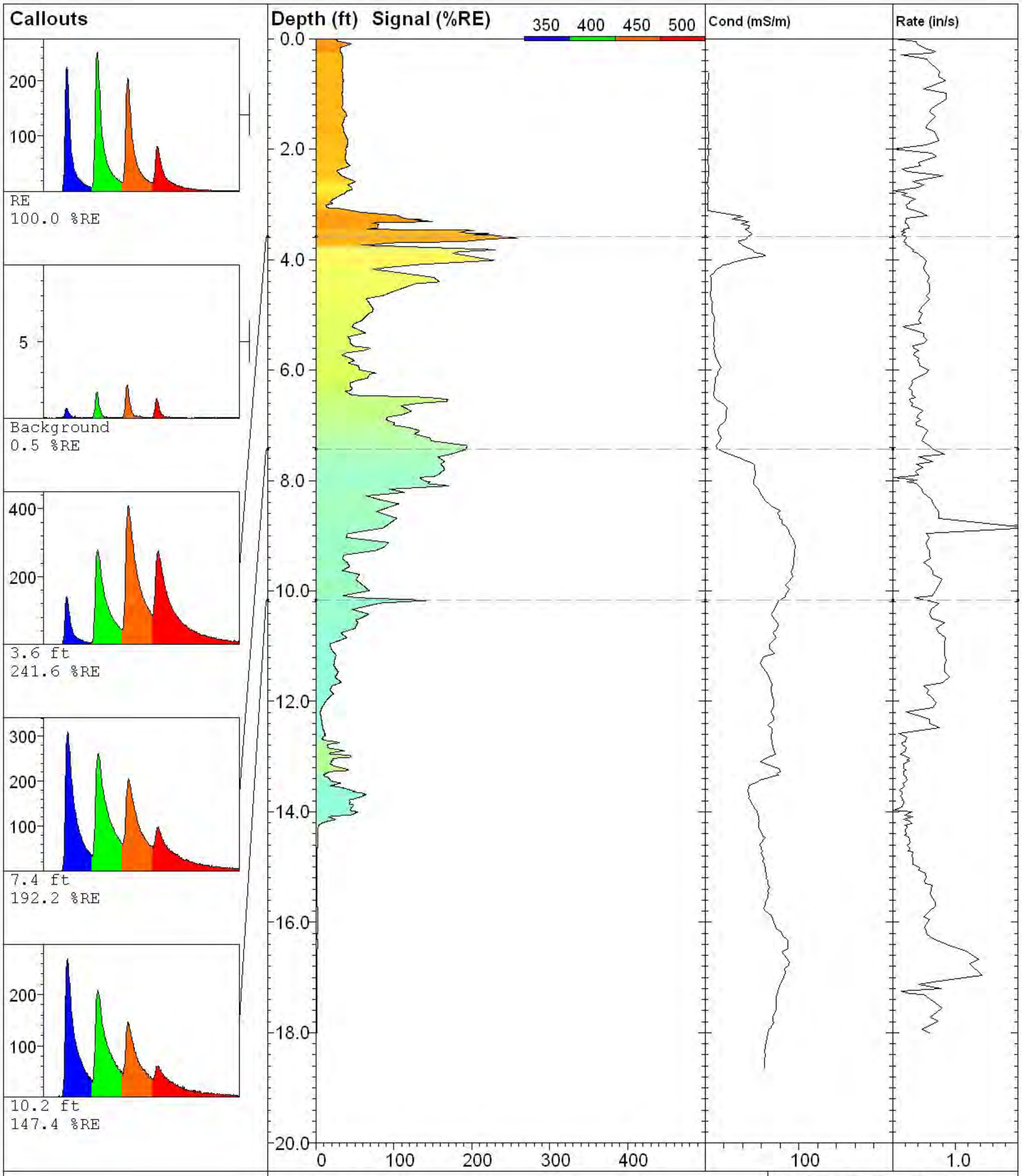


MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-147**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.25 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **5.9 % @ 1.71 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-02 15:17 CDT**



LIF-148		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **18.92 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **411.3 % @ 7.40 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-02 14:40 CDT**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com



LIF-149		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **18.00 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **259.6 % @ 3.61 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-02 13:53 CDT**

MATRIX ENVIRONMENTAL LLC
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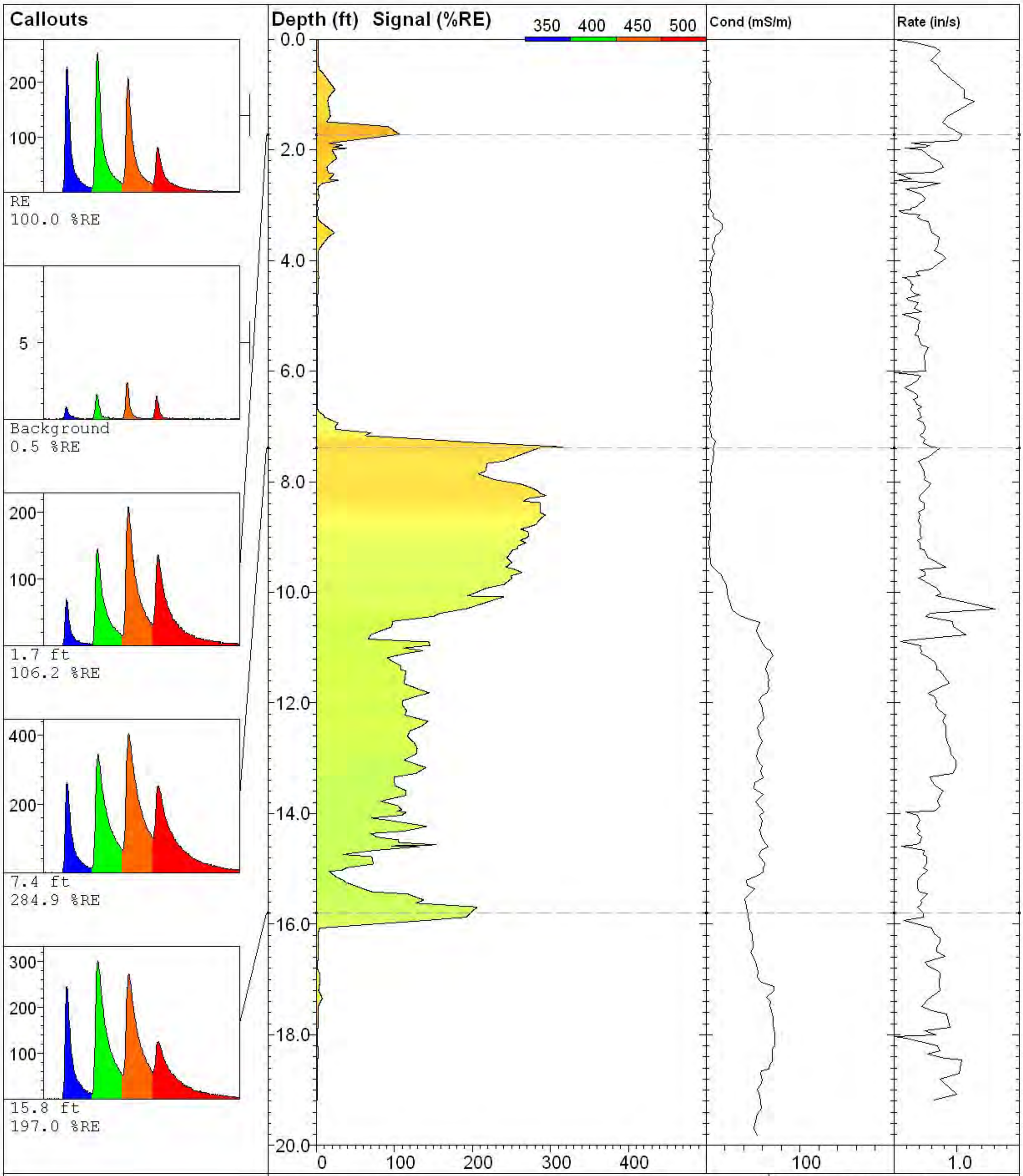
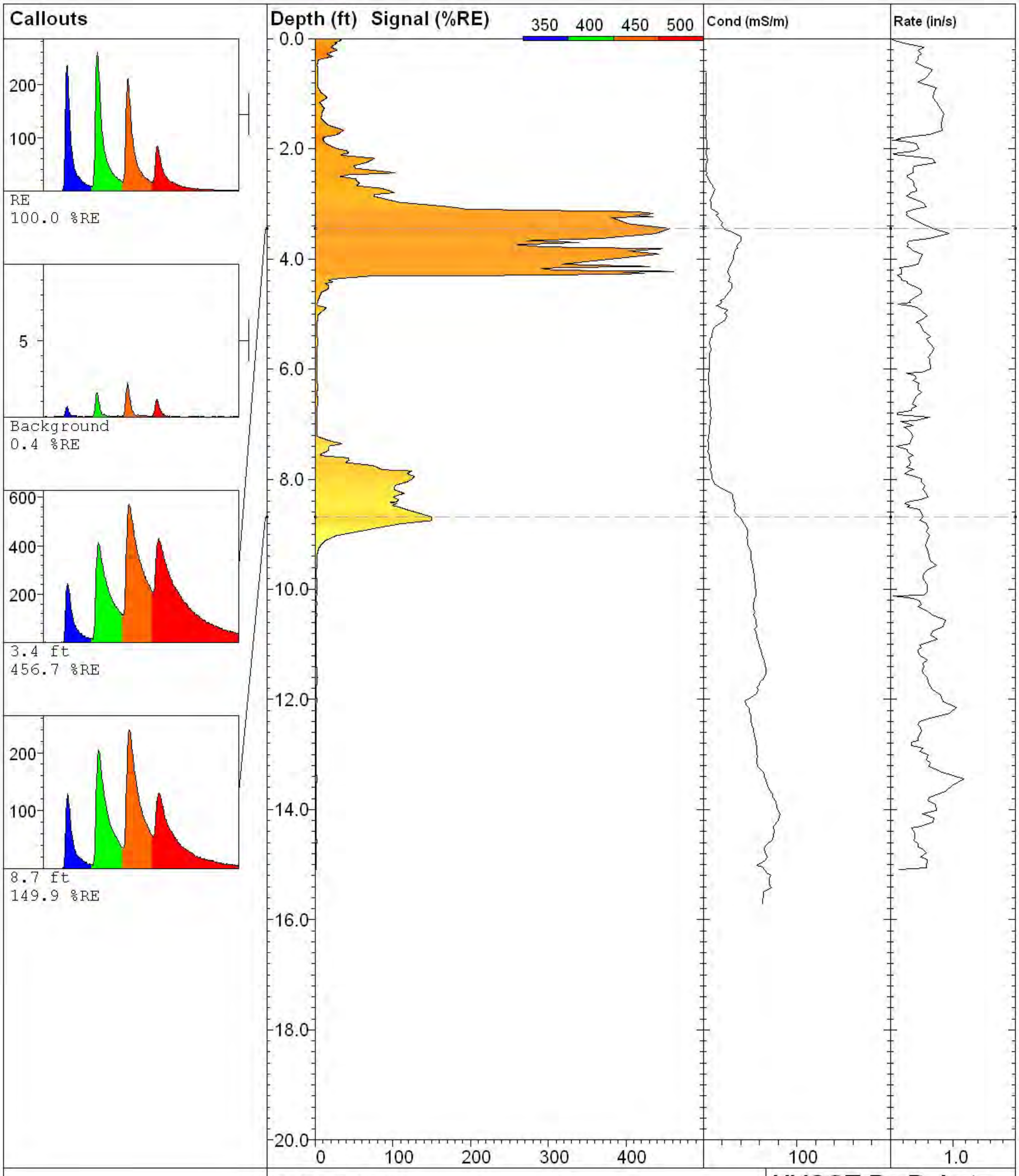


MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

LIF-151

UVOST By Dakota
www.DakotaTechnologies.com

Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **19.19 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **316.5 % @ 7.37 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-02 13:14 CDT**

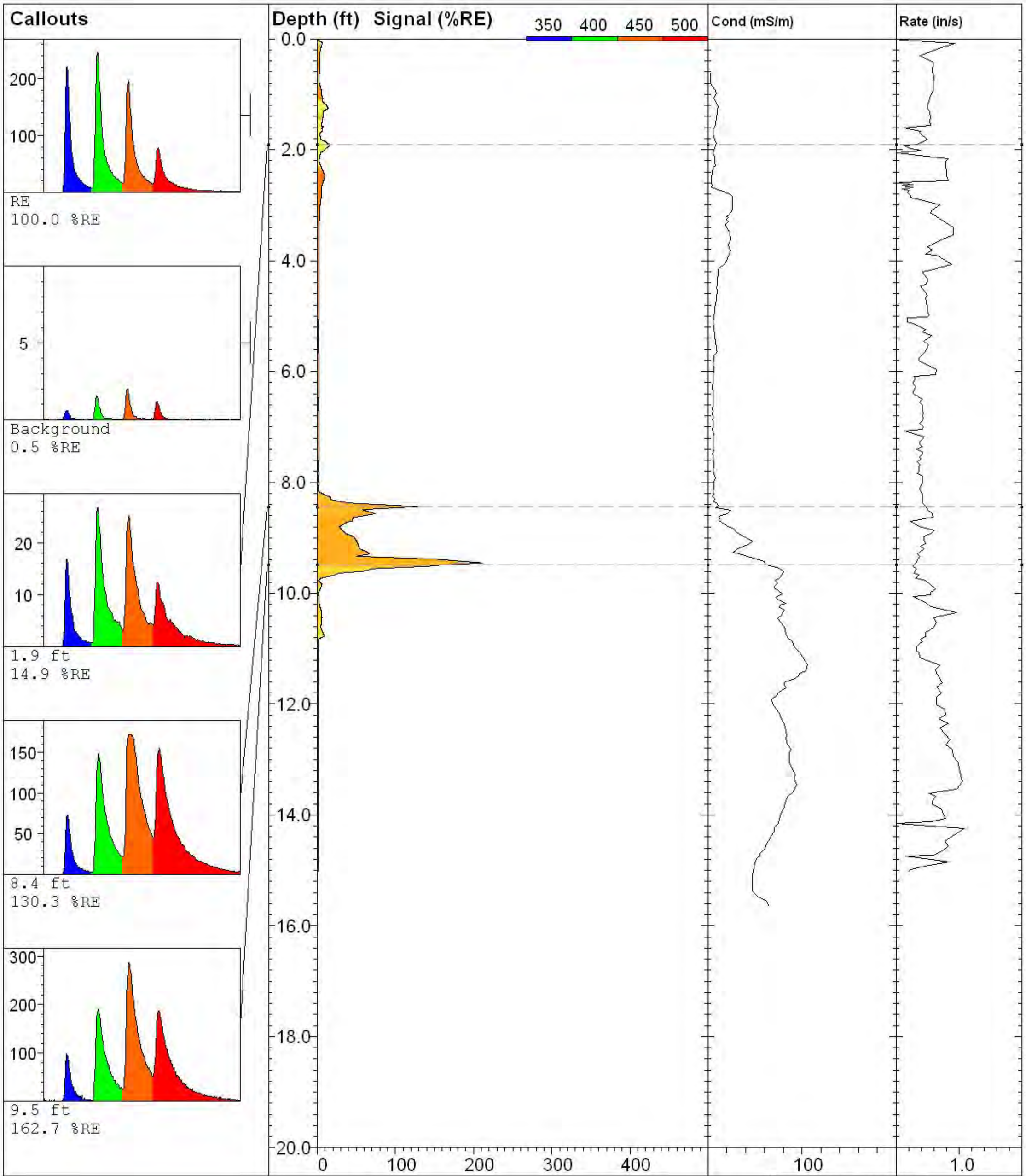


LIF-153

UVOST By Dakota
www.DakotaTechnologies.com

Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.08 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **464.8 % @ 4.23 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-02 10:20 CDT**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

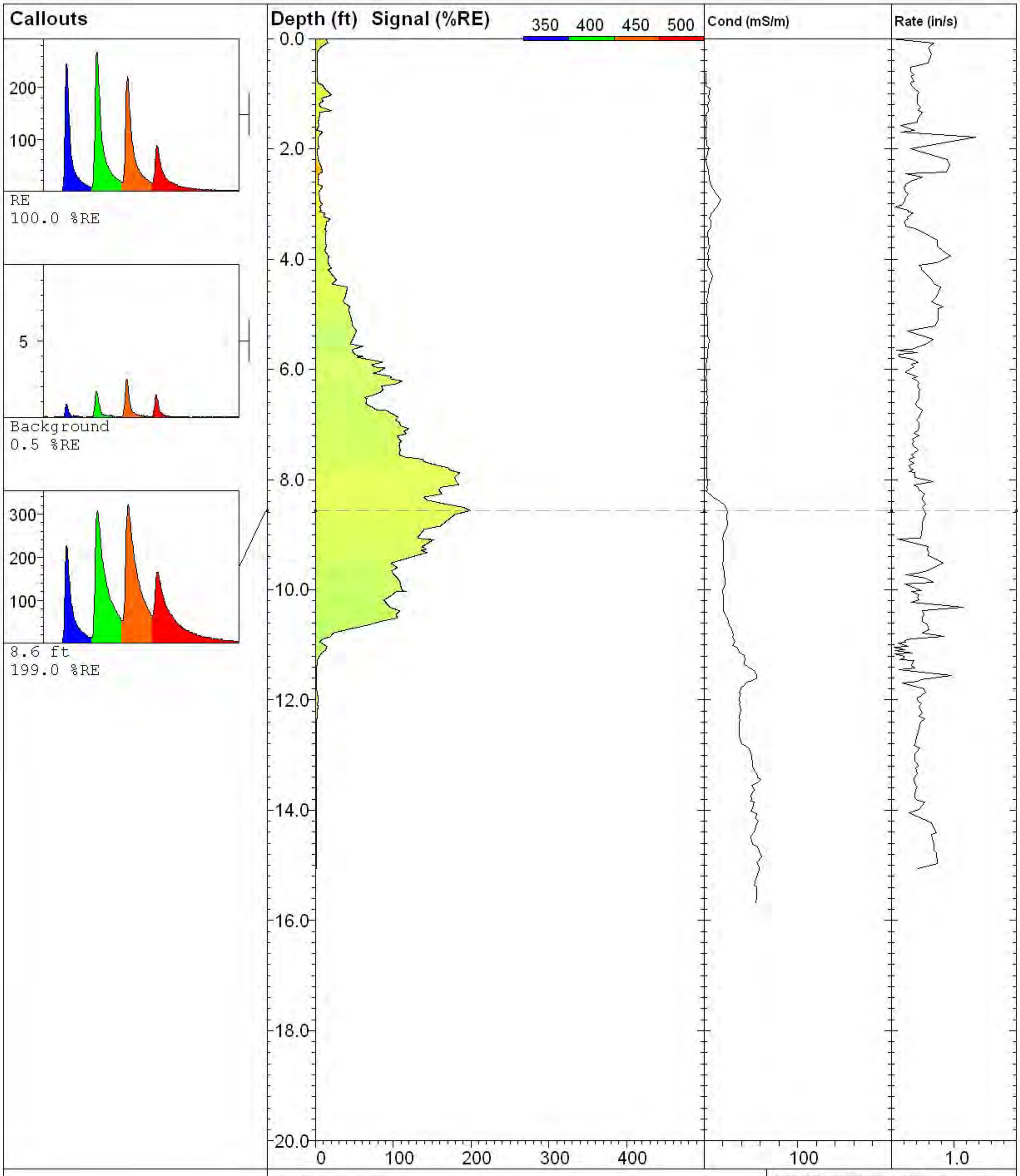


MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

LIF-154

UVOST By Dakota
www.DakotaTechnologies.com

Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **211.4 % @ 9.45 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-02 09:50 CDT**

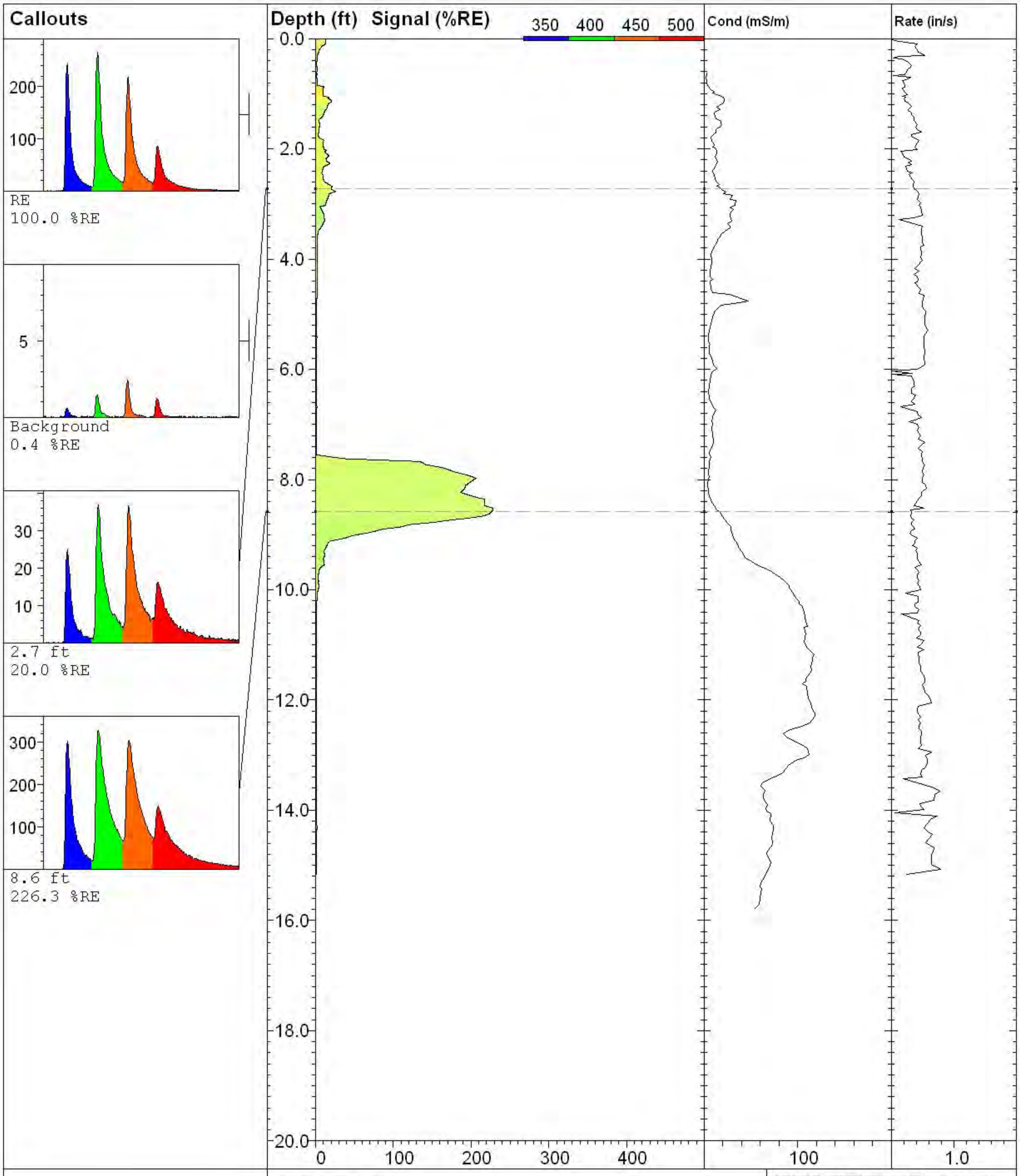


LIF-155

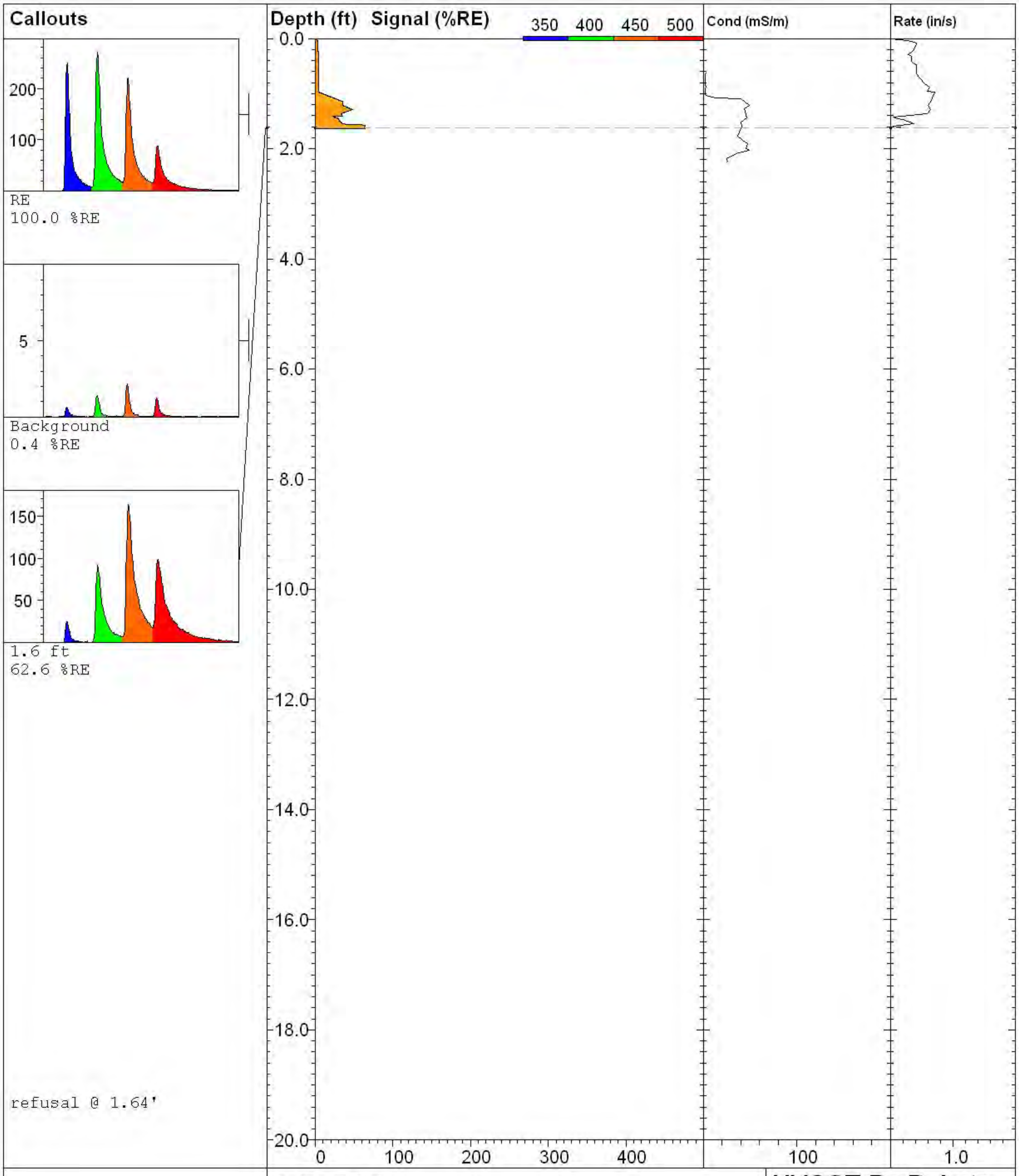
UVOST By Dakota
www.DakotaTechnologies.com

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.06 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **199.0 % @ 8.57 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-02 08:16 CDT**

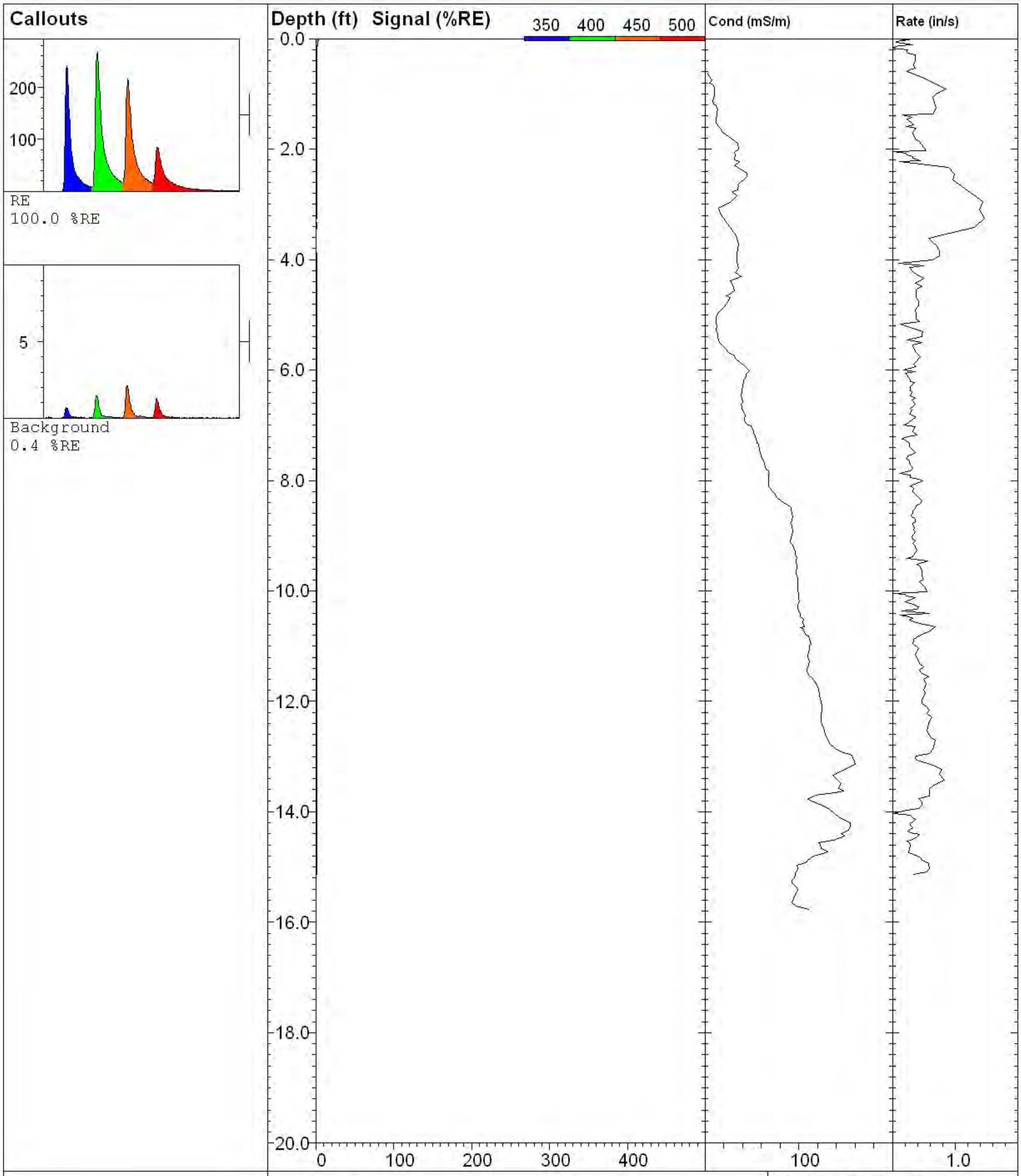


MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-156**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.16 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **228.4 % @ 8.55 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-01 17:03 CDT**



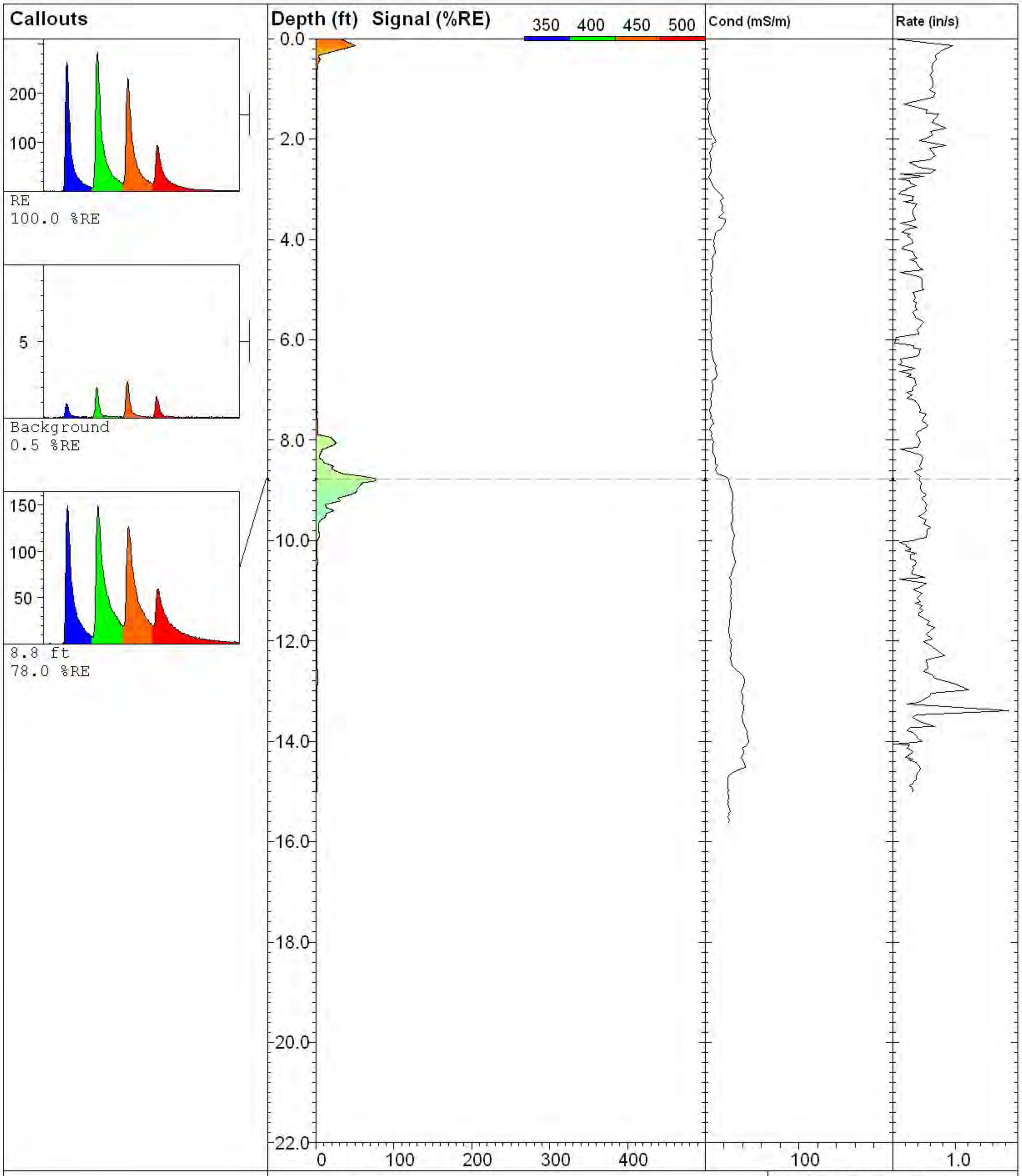
LIF-157		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **1.64 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **64.7 % @ 1.64 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-01 16:19 CDT**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com



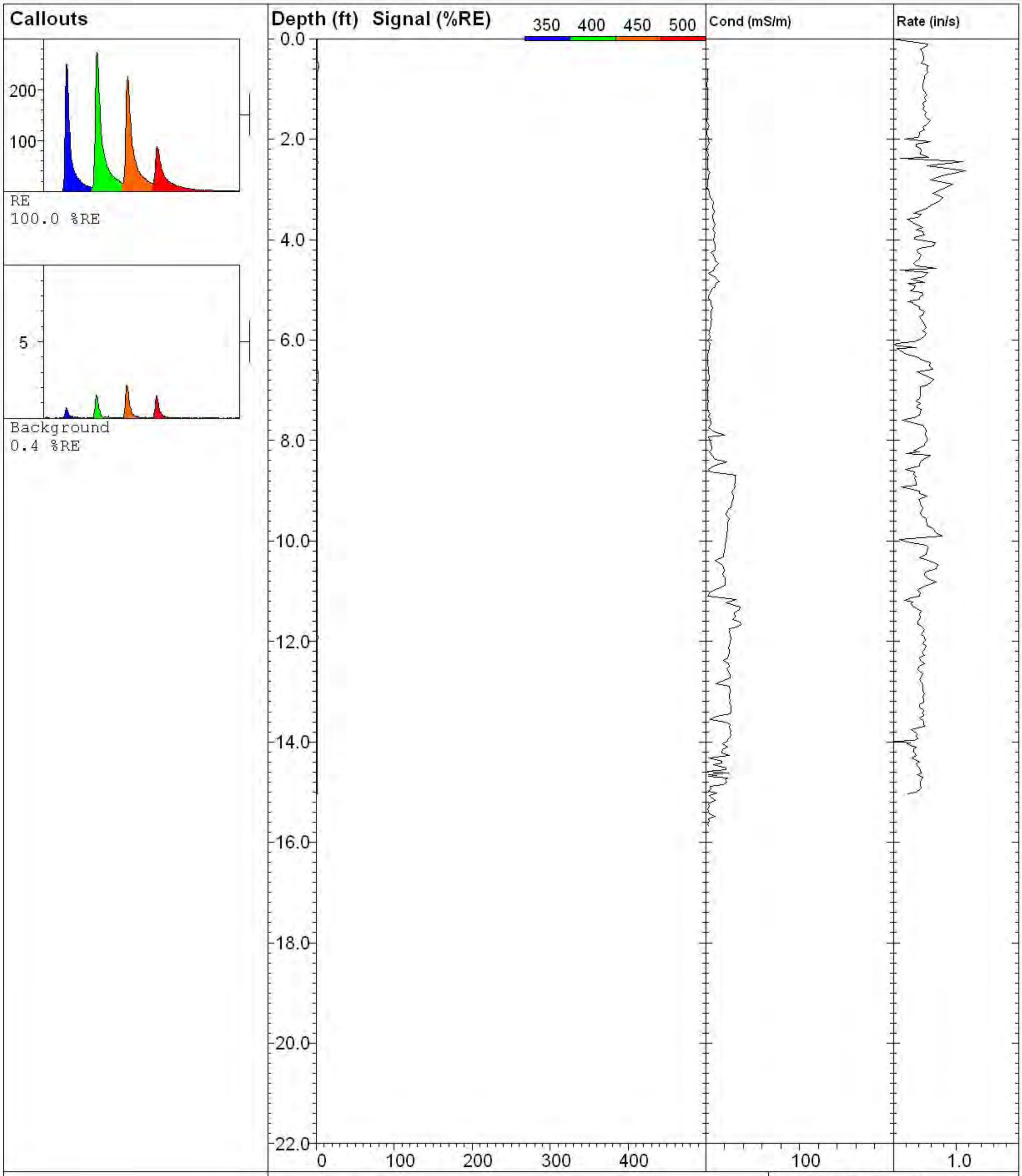
LIF-158		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.14 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.0 % @ 0.02 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-01 10:18 CDT**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

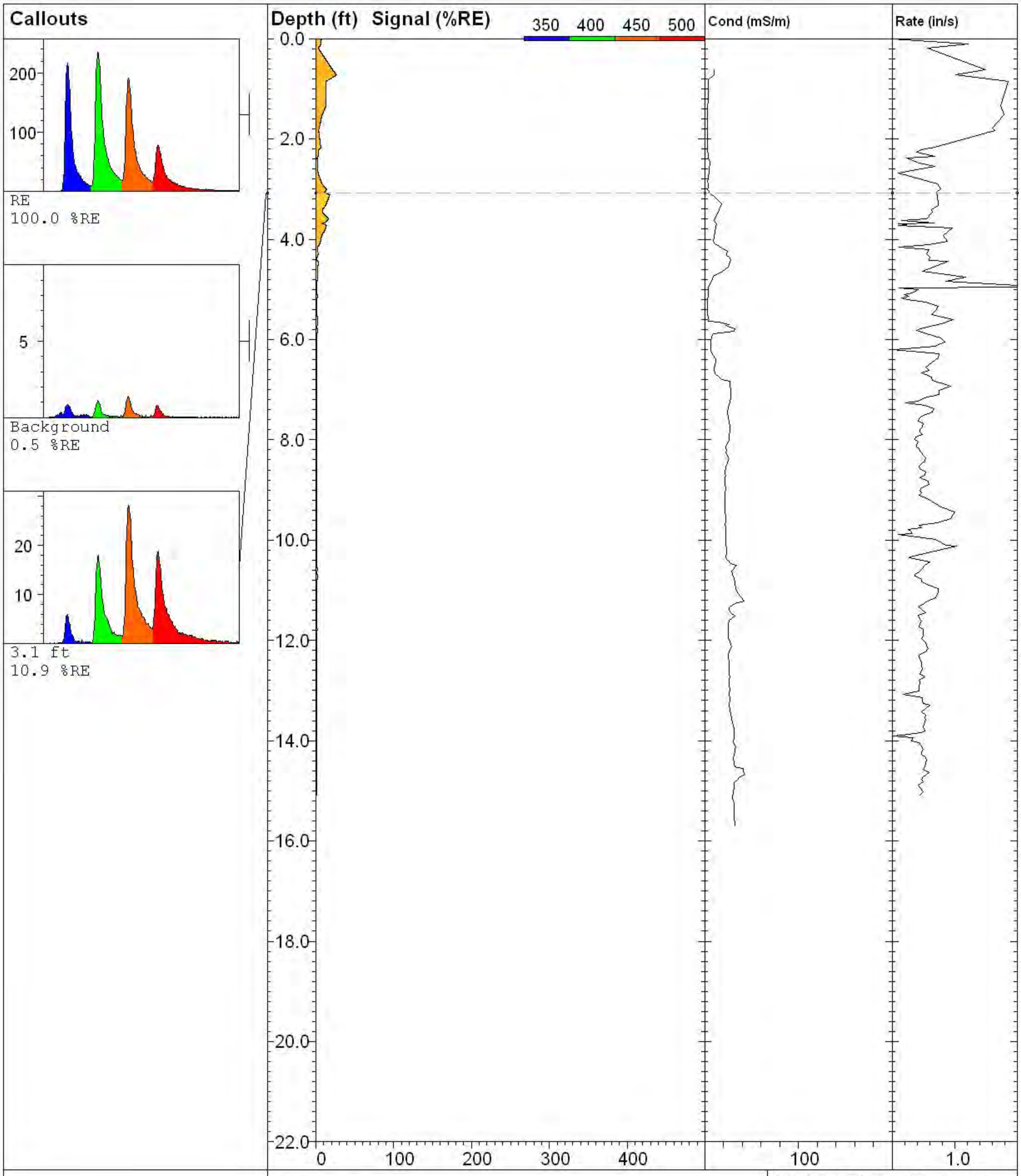


LIF-159		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **78.0 % @ 8.77 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-09 17:04 CST**

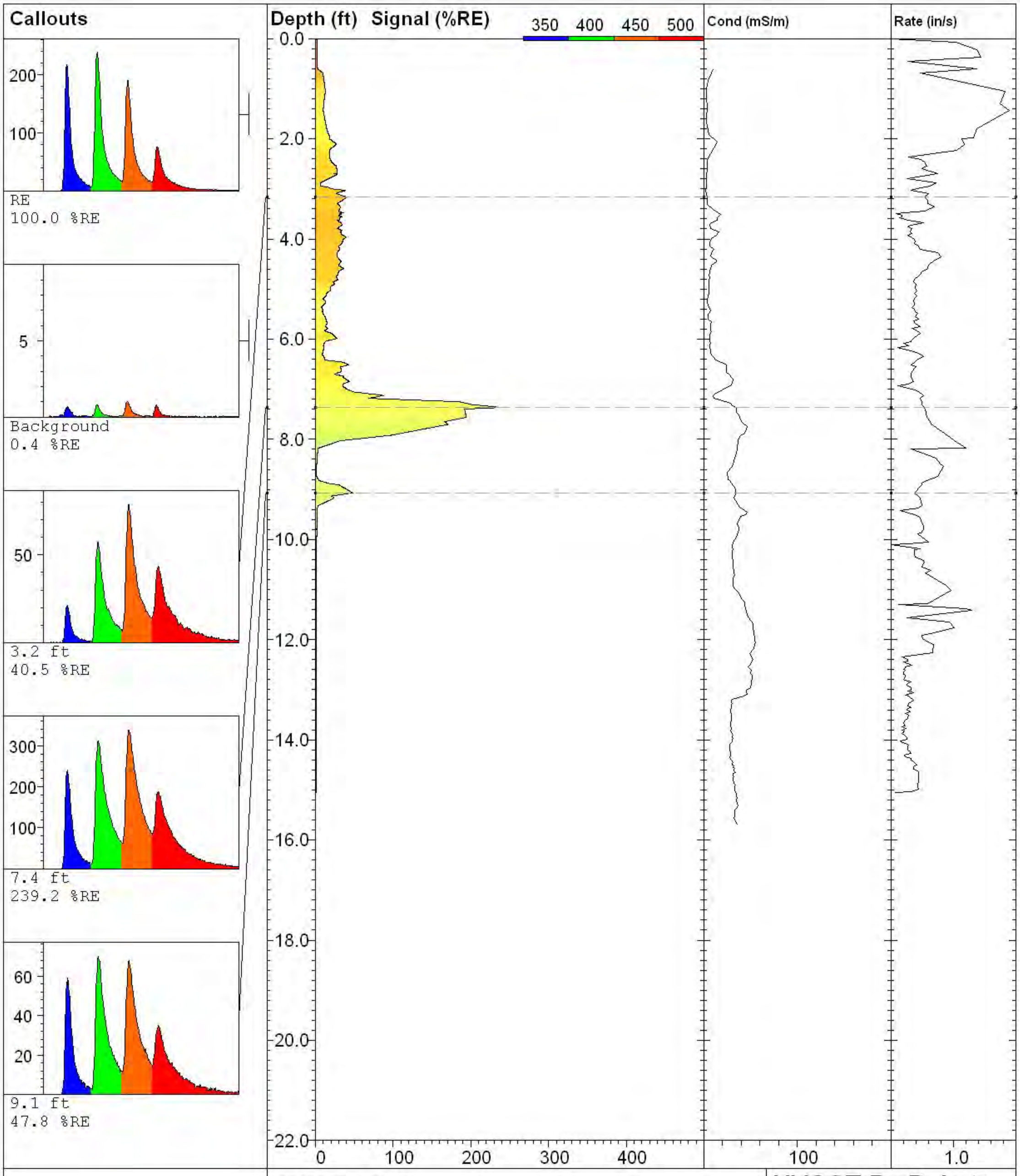
MATRIX ENVIRONMENTAL LLC
www.matrixenv.com



MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-160**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.04 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.3 % @ 0.54 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-10 07:45 CST**



MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-161**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.09 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **26.3 % @ 0.73 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-15 17:21 CST**

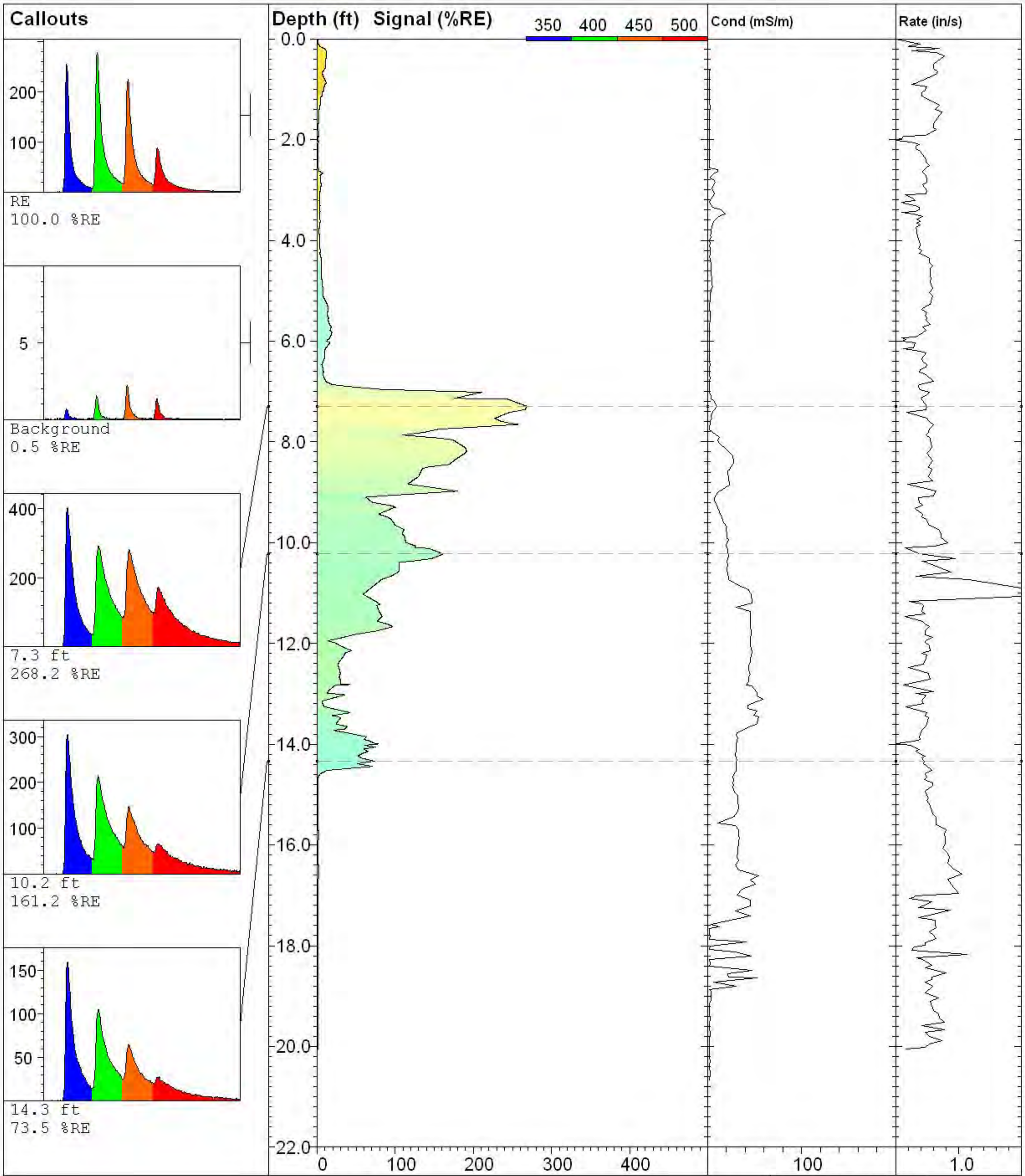


MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

LIF-162

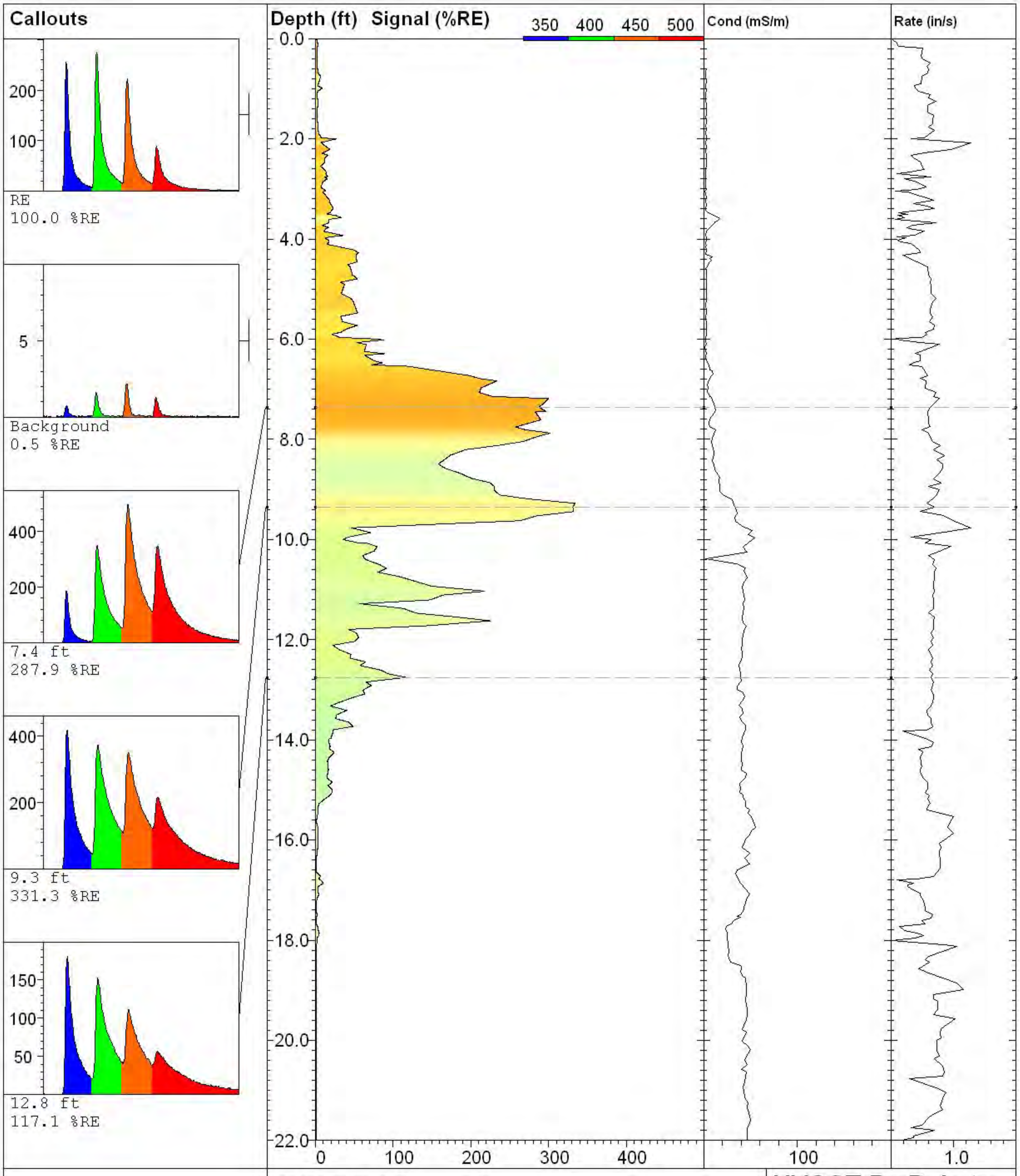
UVOST By Dakota
www.DakotaTechnologies.com

Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.06 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **239.2 % @ 7.37 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-15 16:38 CST**



LIF-163		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **20.05 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **268.2 % @ 7.29 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-10 09:11 CST**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

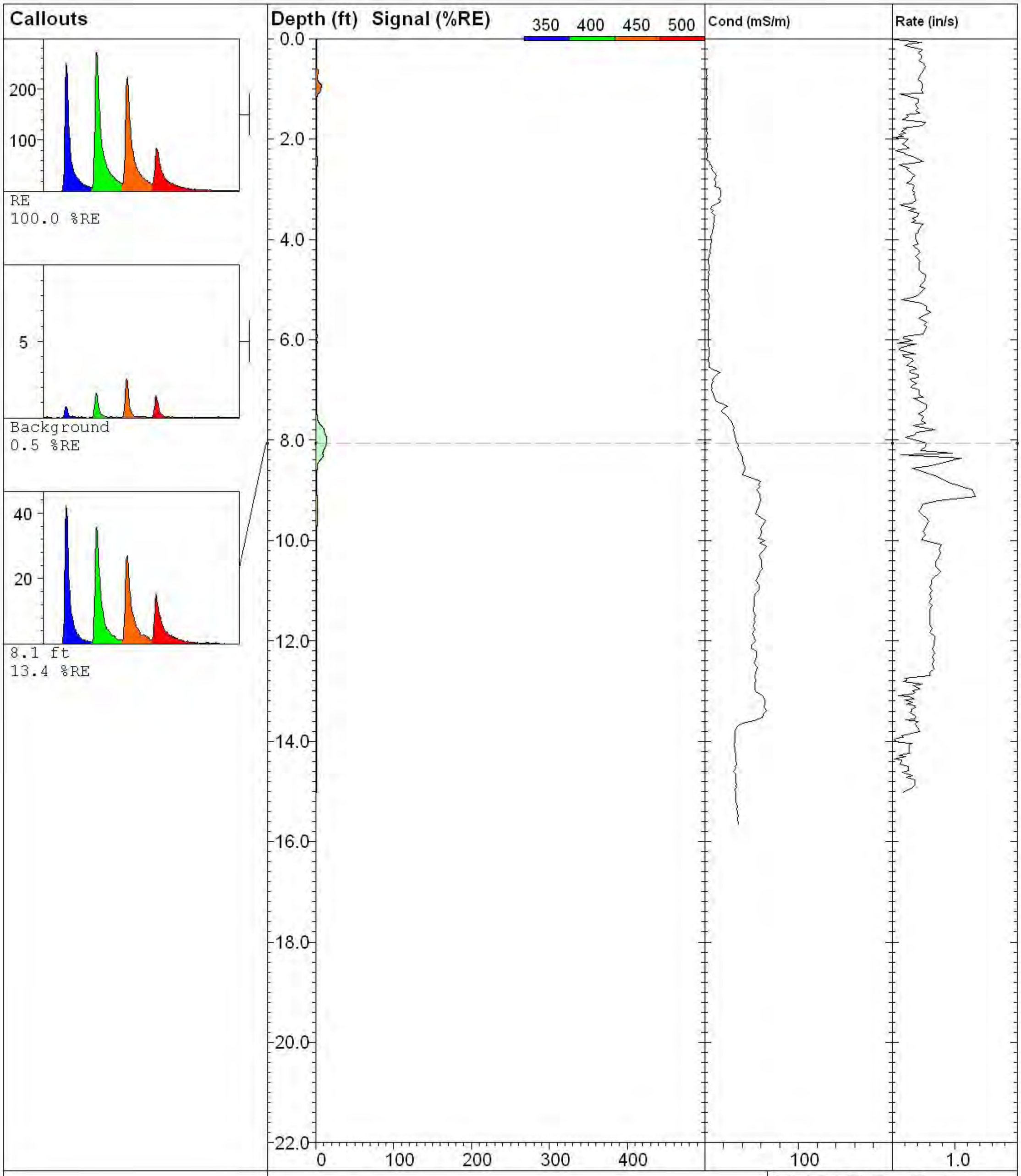


LIF-164

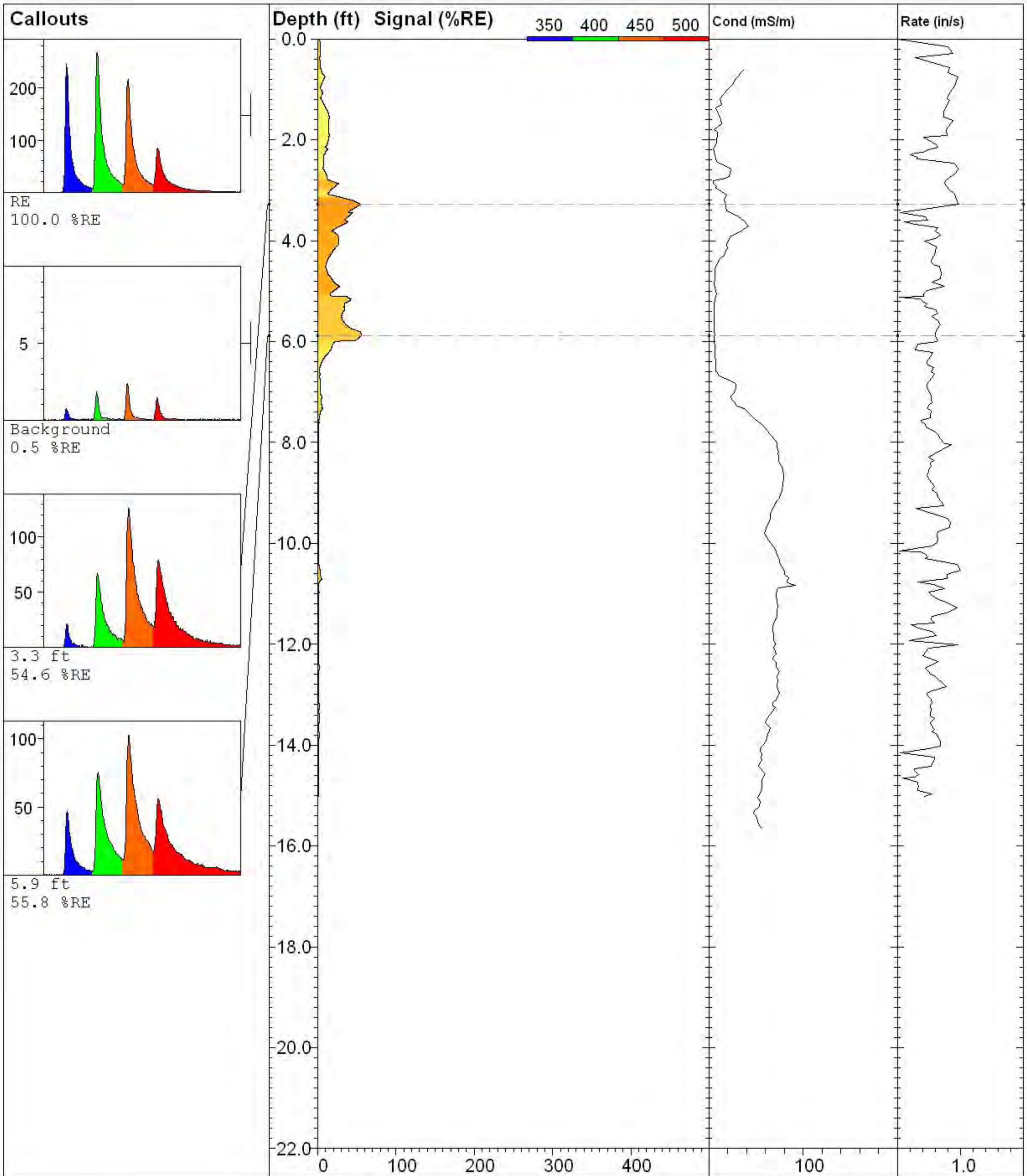
UVOST By Dakota
www.DakotaTechnologies.com

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

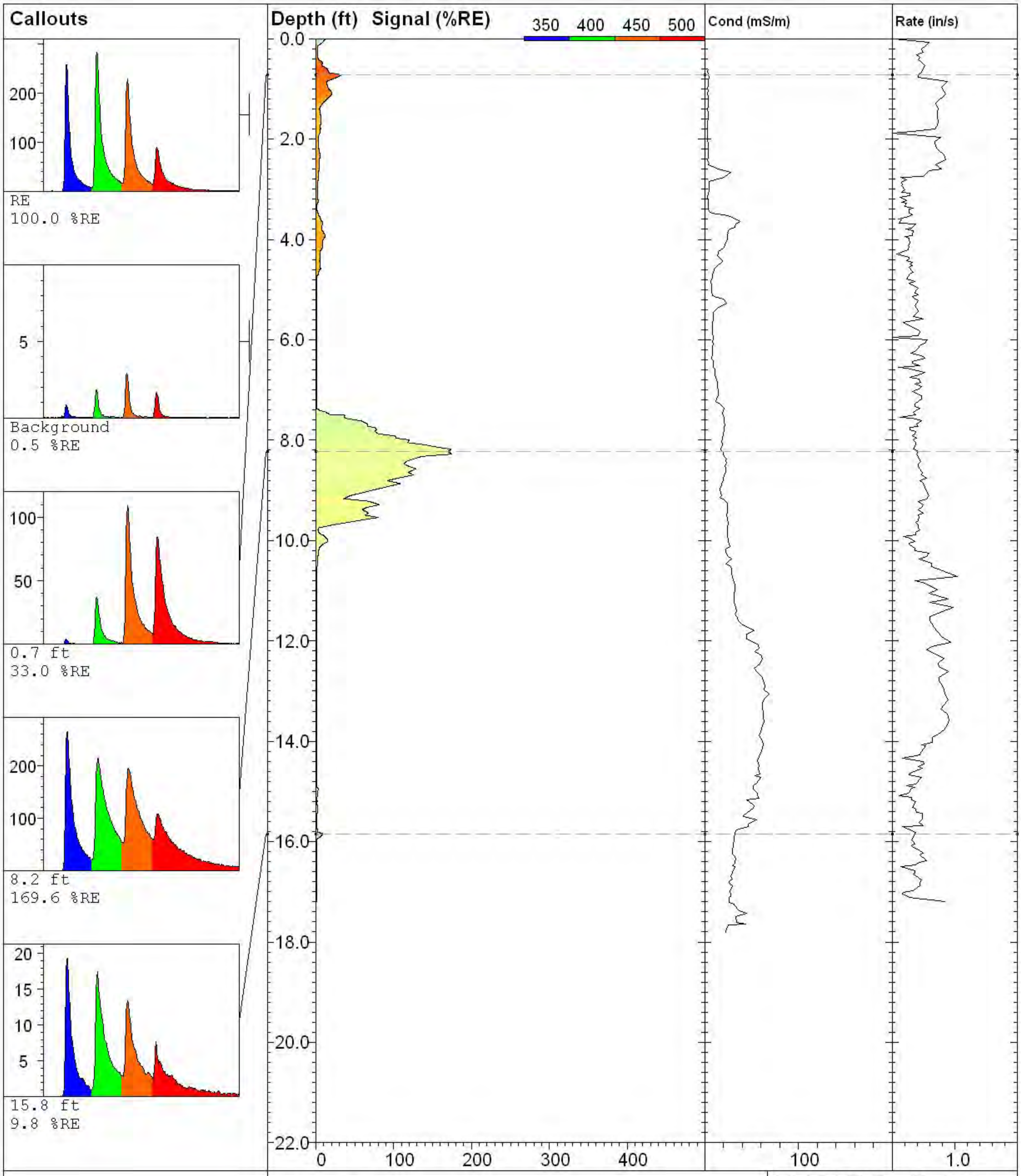
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **22.00 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **334.2 % @ 9.28 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-10 09:45 CST**



MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-165**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.02 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **13.9 % @ 7.95 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-07 12:23 CST**

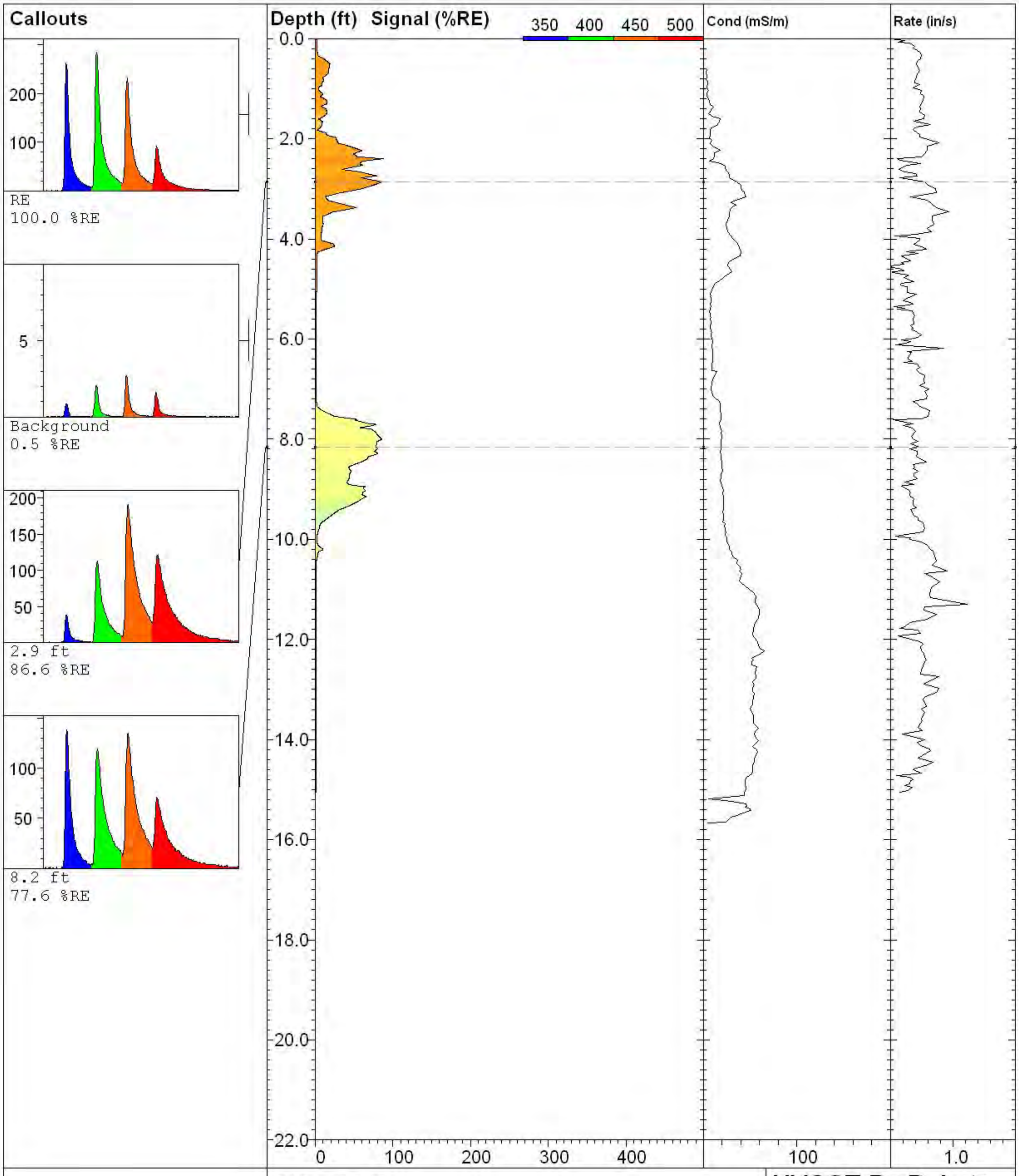


MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-166**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.03 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **55.8 % @ 5.89 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-04 15:23 CDT**

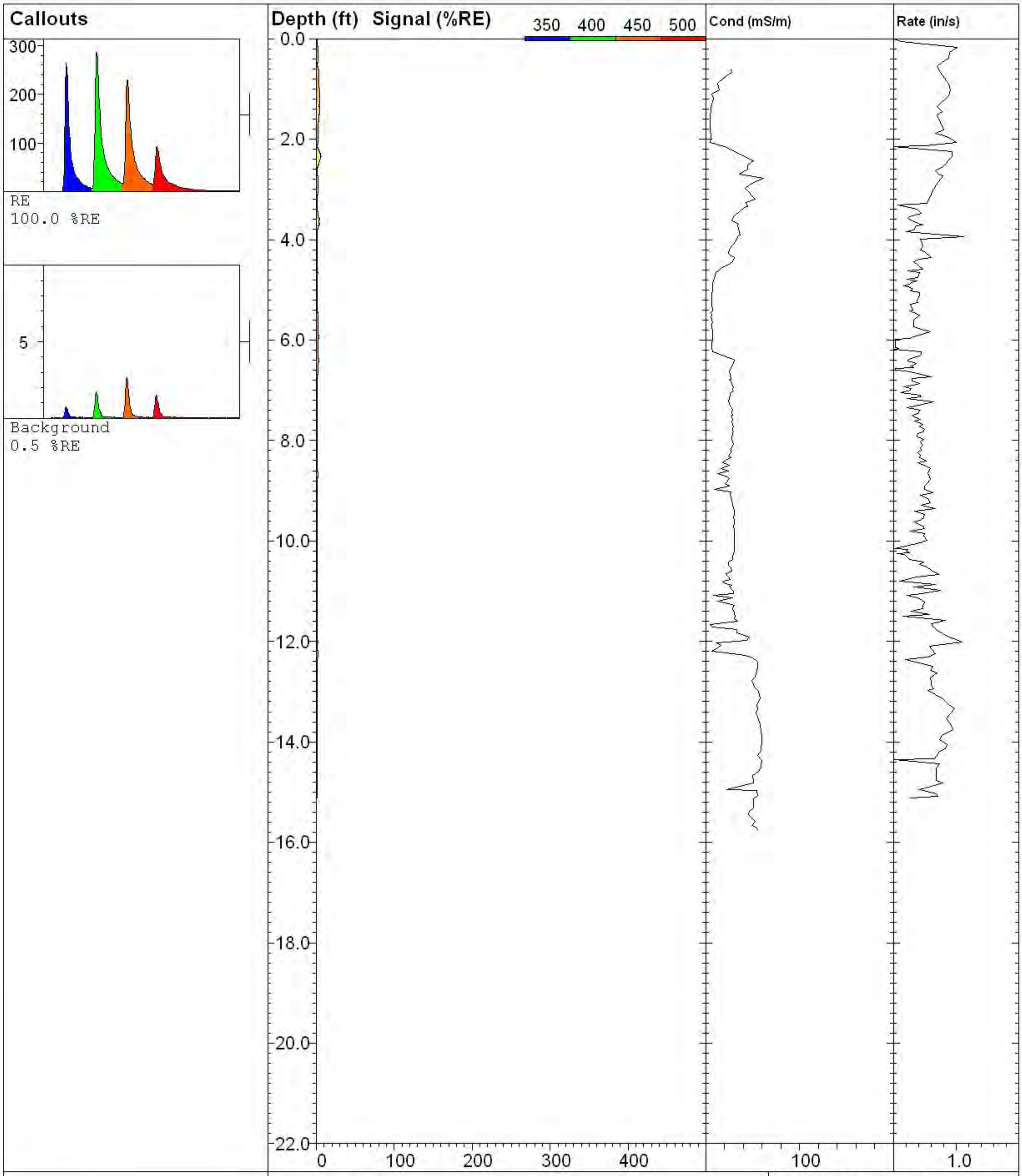


LIF-167		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **17.19 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **174.7 % @ 8.28 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-07 14:50 CST**

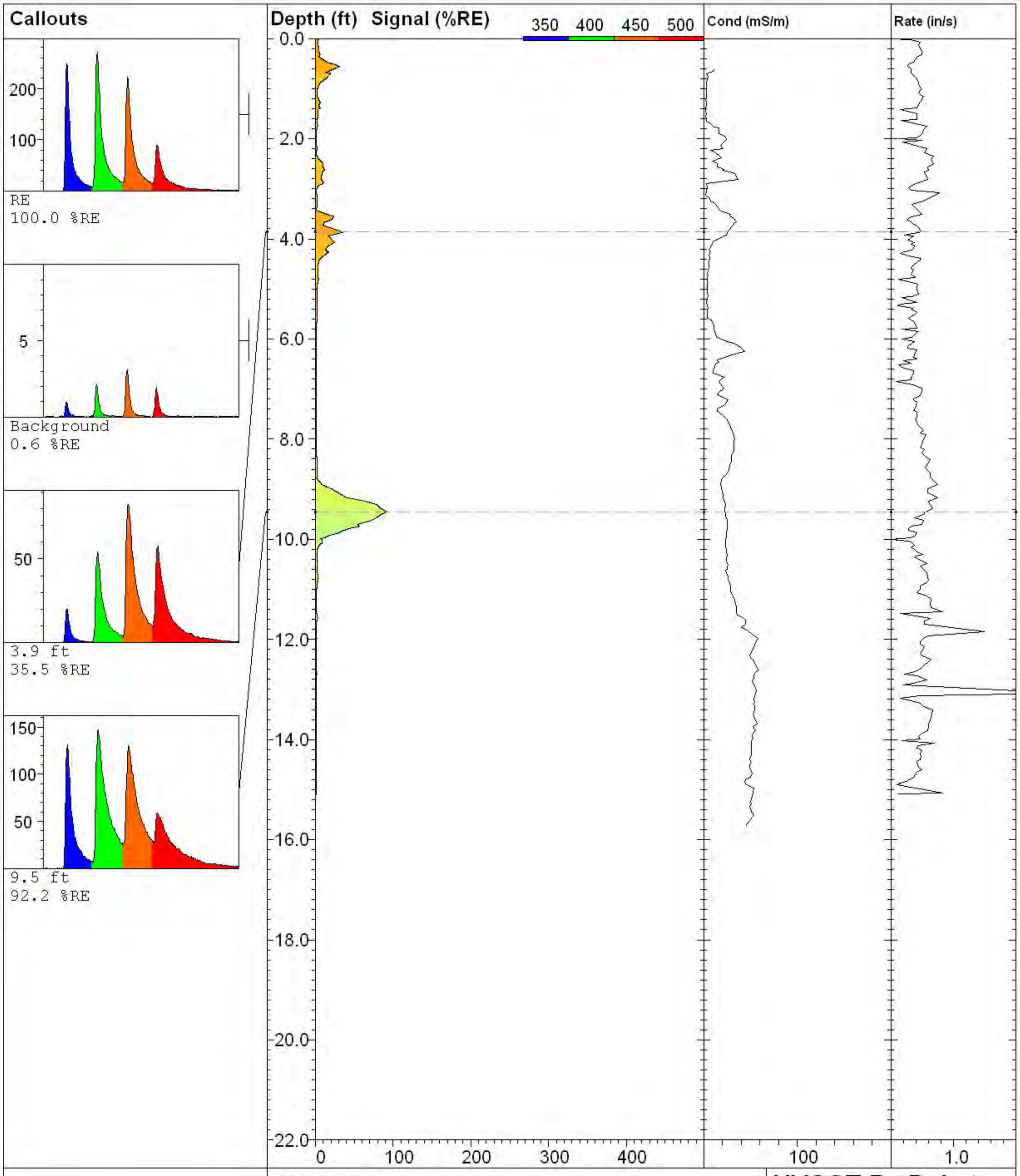
MATRIX ENVIRONMENTAL LLC
www.matrixenv.com



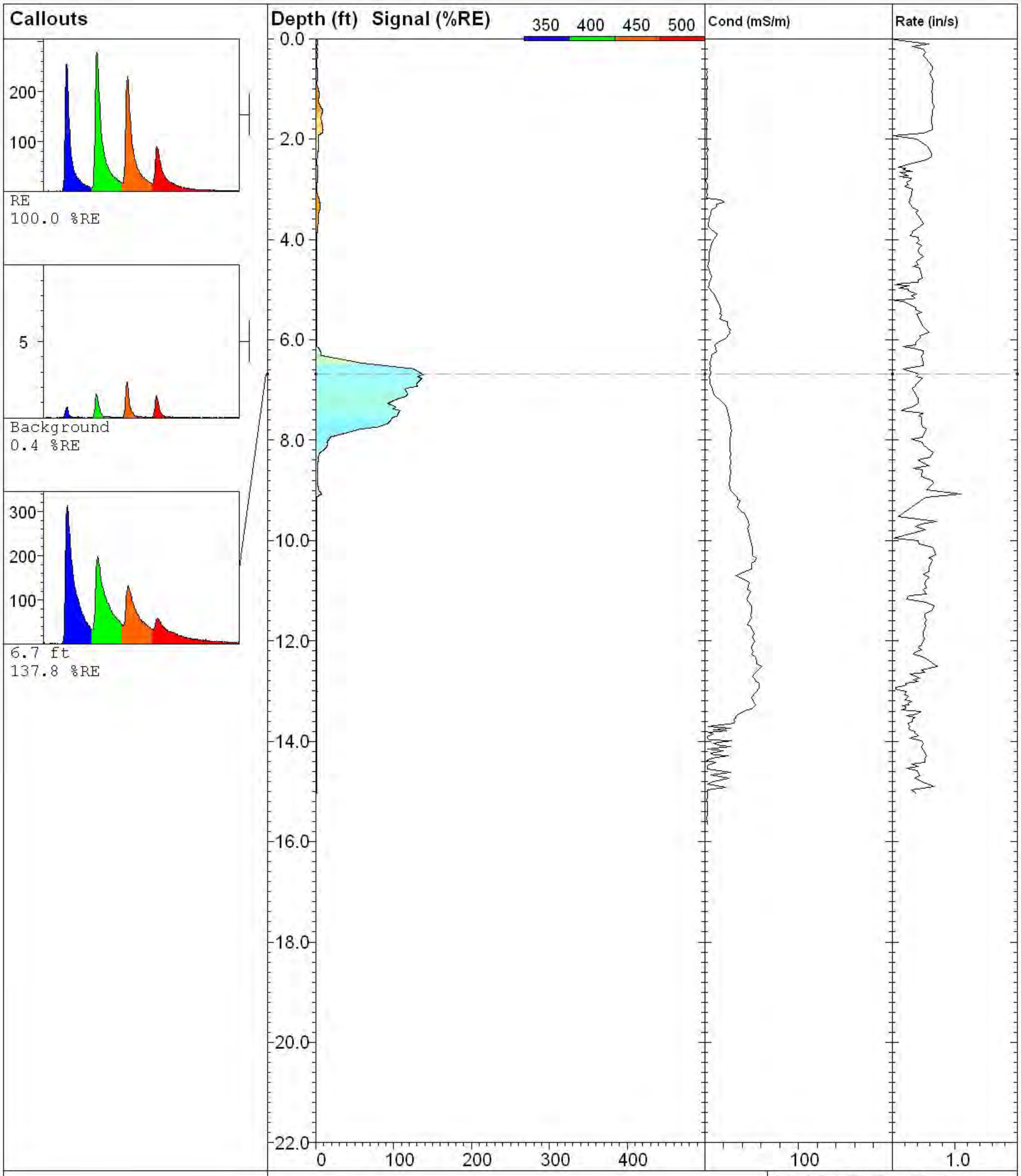
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-168**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.05 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **87.8 % @ 2.40 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-07 15:23 CST**



MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-169**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.13 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **5.9 % @ 2.35 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-07 16:50 CST**

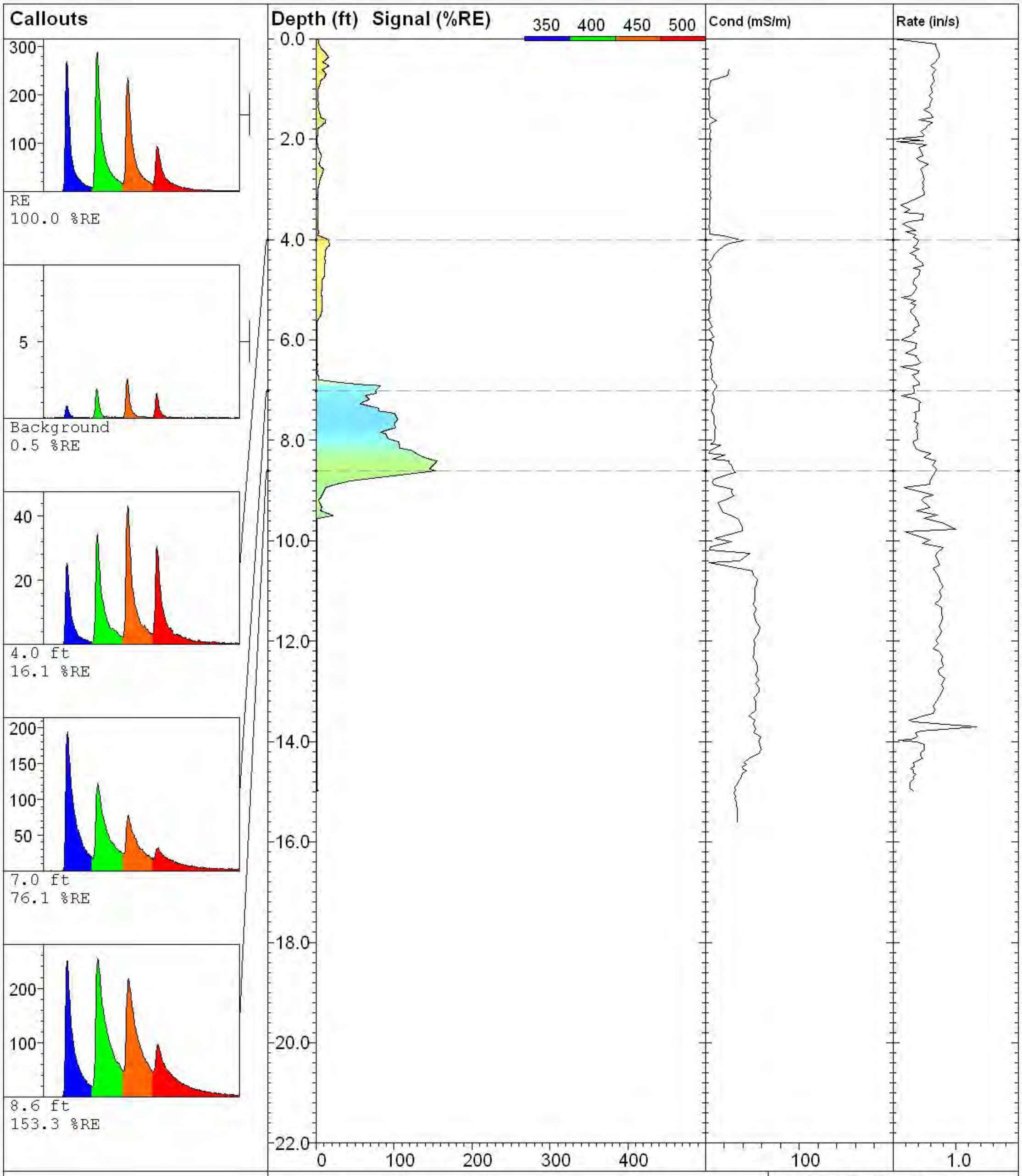


MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-171**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.10 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **92.2 % @ 9.45 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-08 08:24 CST**



LIF-173		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.03 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **137.8 % @ 6.69 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-10 08:31 CST**

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

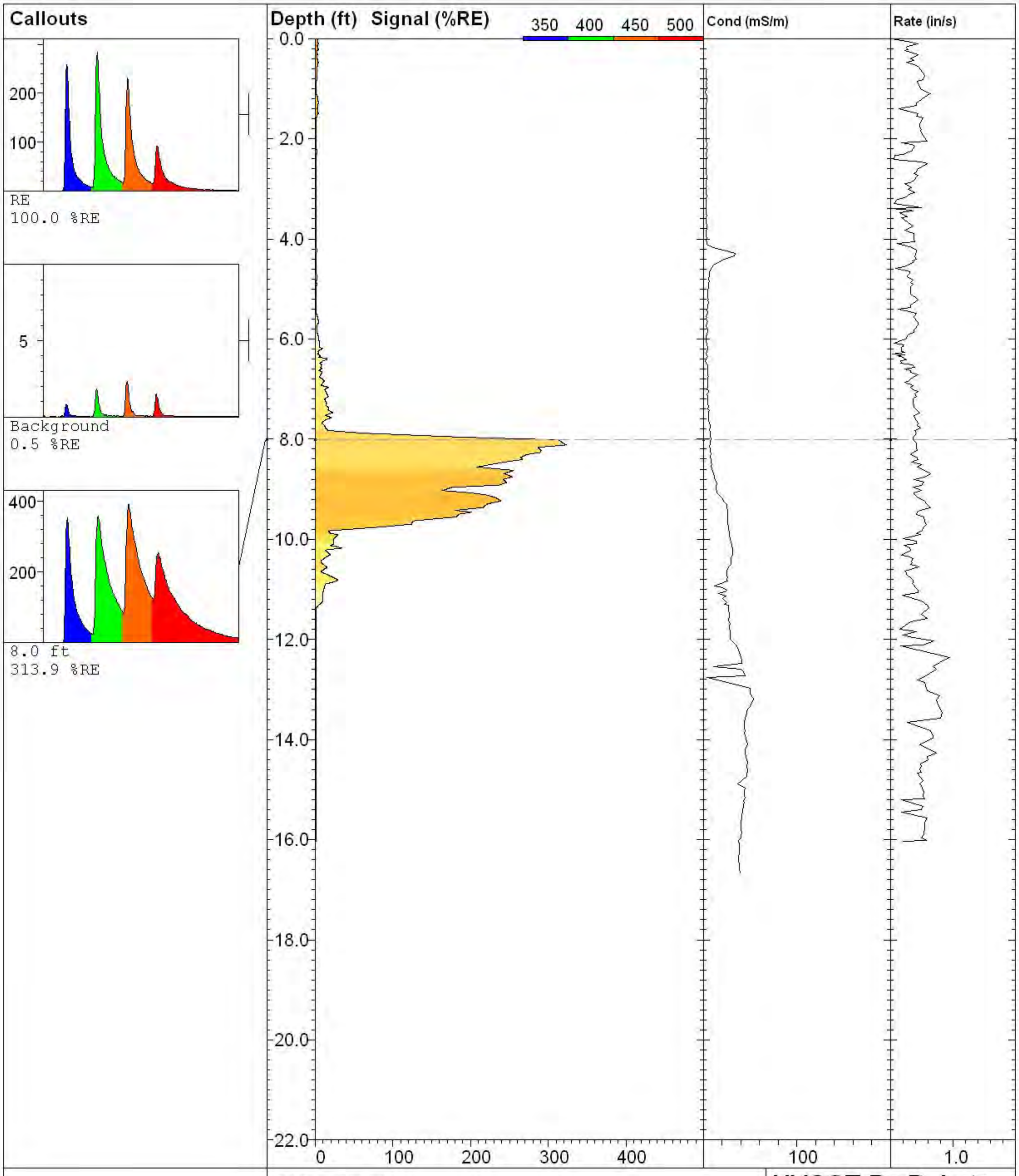


LIF-174

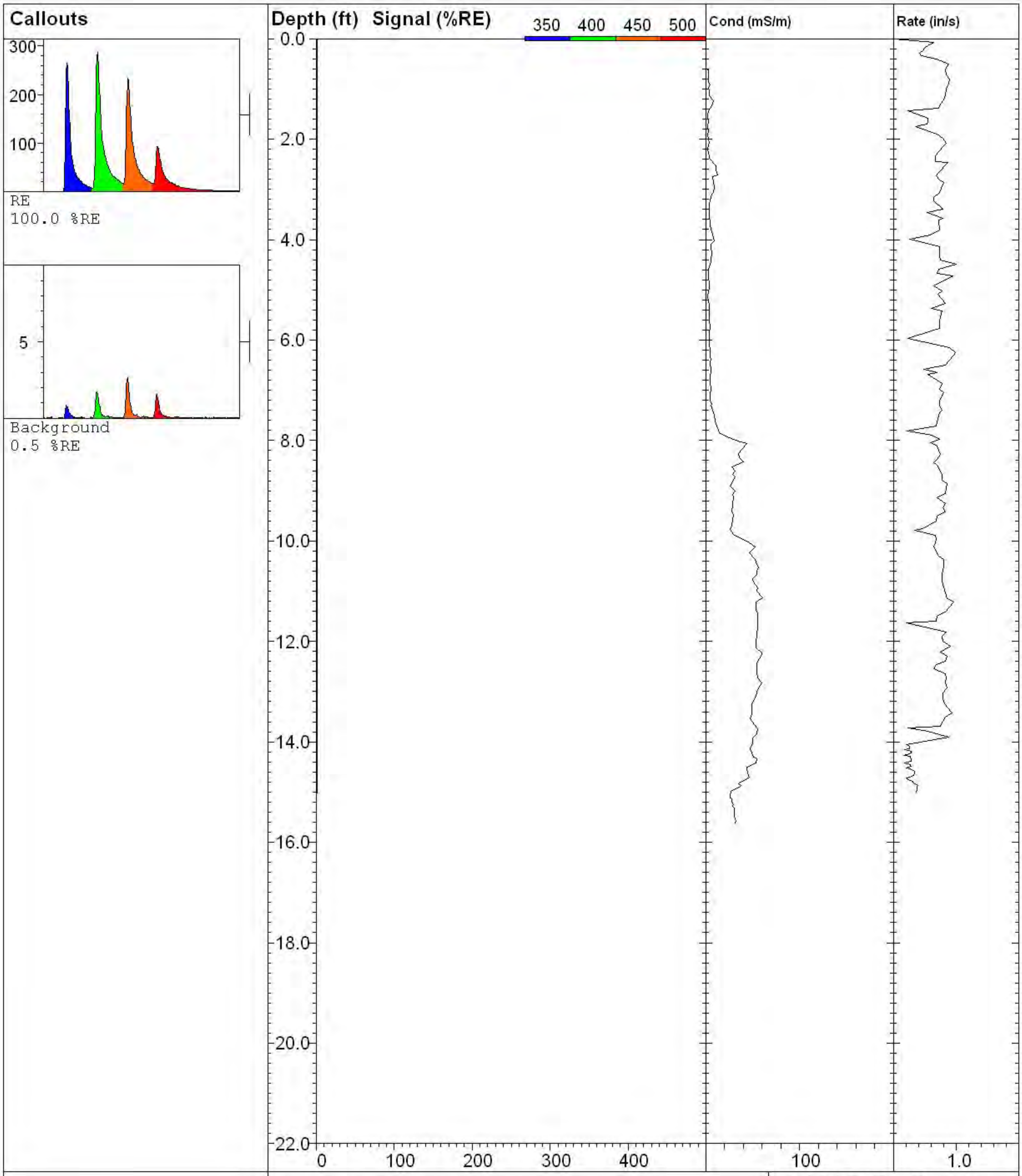
UVOST By Dakota
www.DakotaTechnologies.com

MATRIX ENVIRONMENTAL LLC
www.matrixenv.com

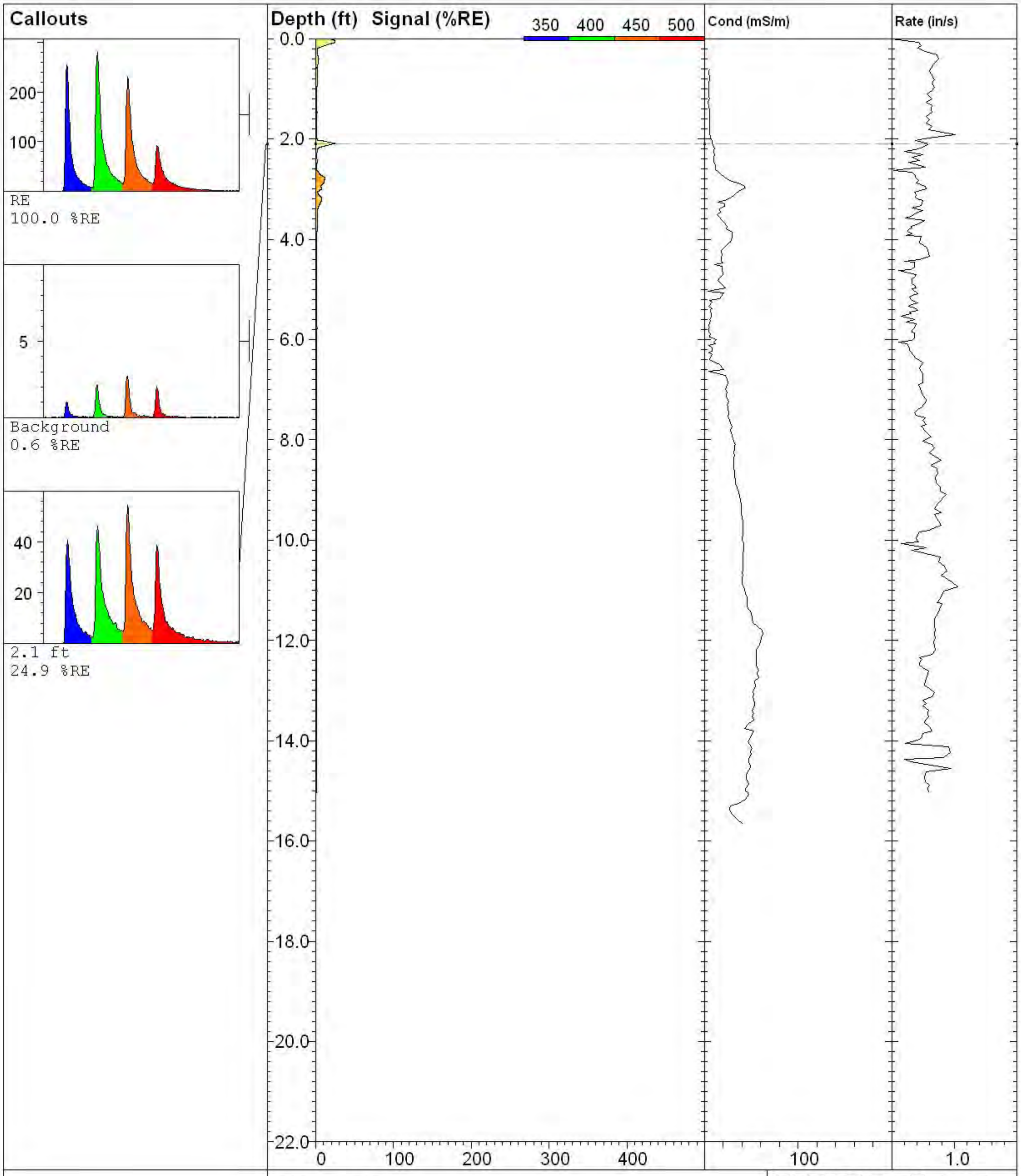
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **14.99 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **154.7 % @ 8.42 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-08 14:49 CST**



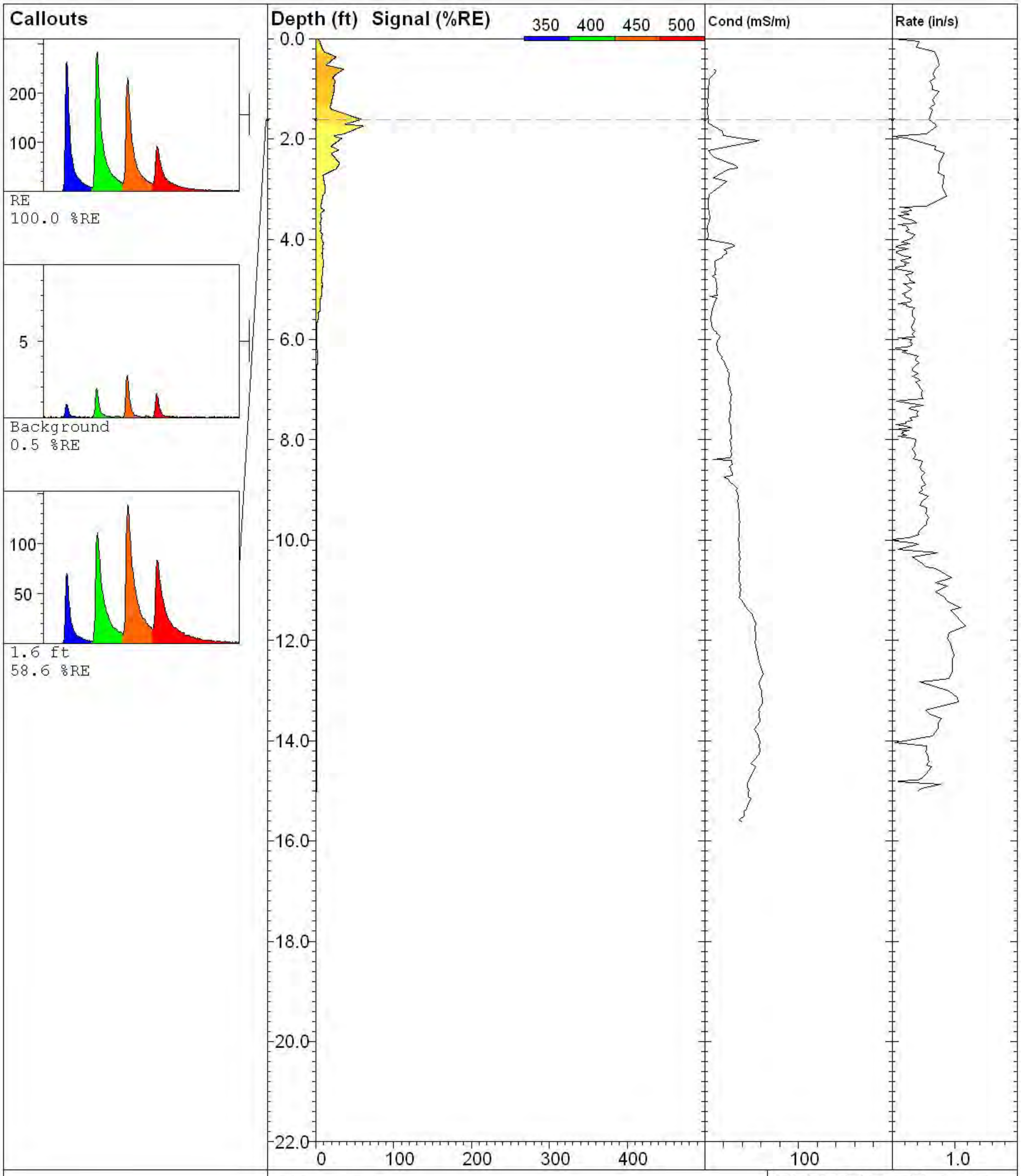
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-175**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.04 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **322.9 % @ 8.12 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-08 14:14 CST**



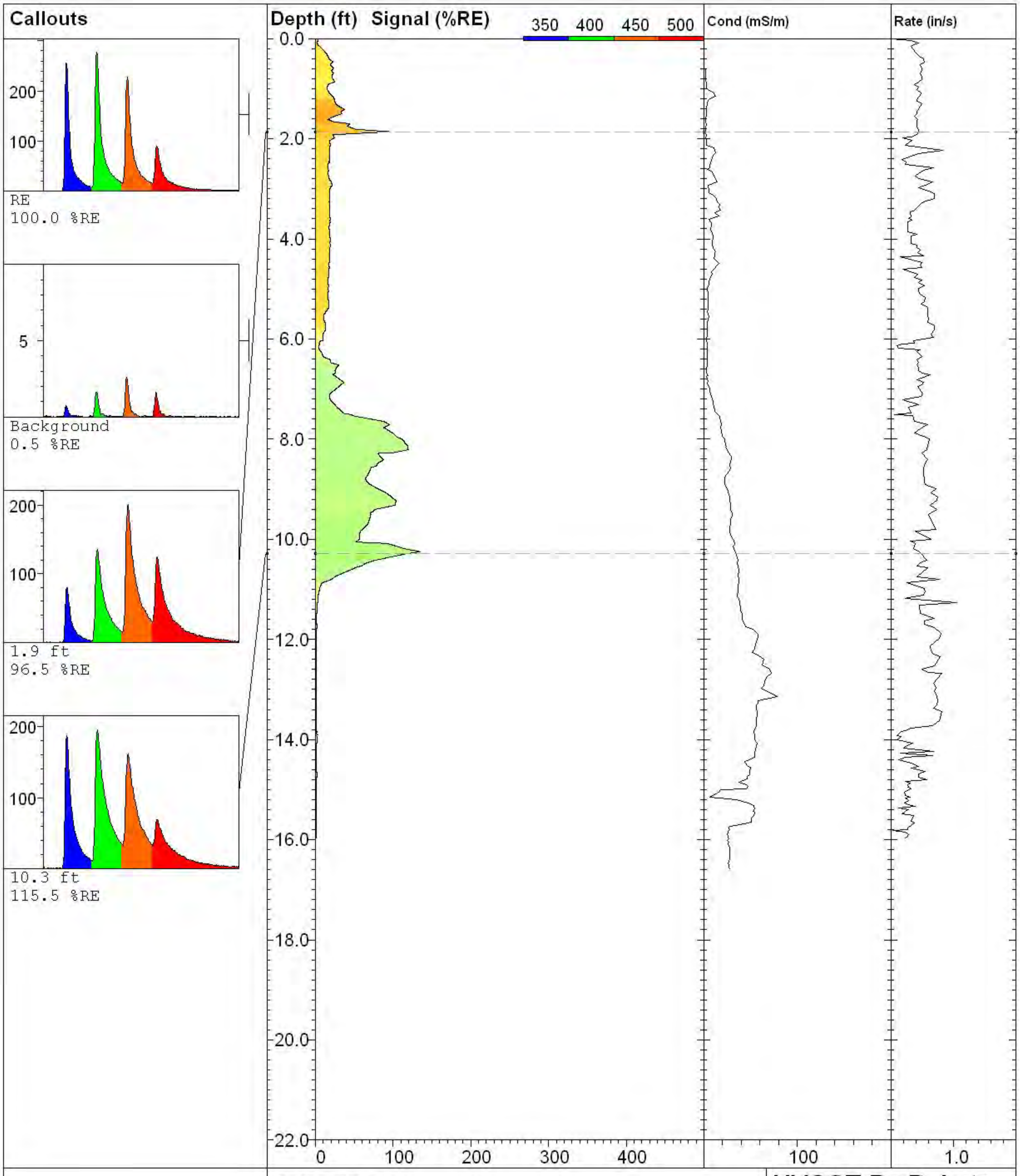
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-176**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.5 % @ 0.40 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-07 12:51 CST**



MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-177**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.03 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **25.0 % @ 0.00 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-08 16:29 CST**



MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-179**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **60.7 % @ 1.74 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-08 10:25 CST**



LIF-180

UVOST By Dakota
www.DakotaTechnologies.com

Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.97 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **135.4 % @ 10.25 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-09 08:03 CST**

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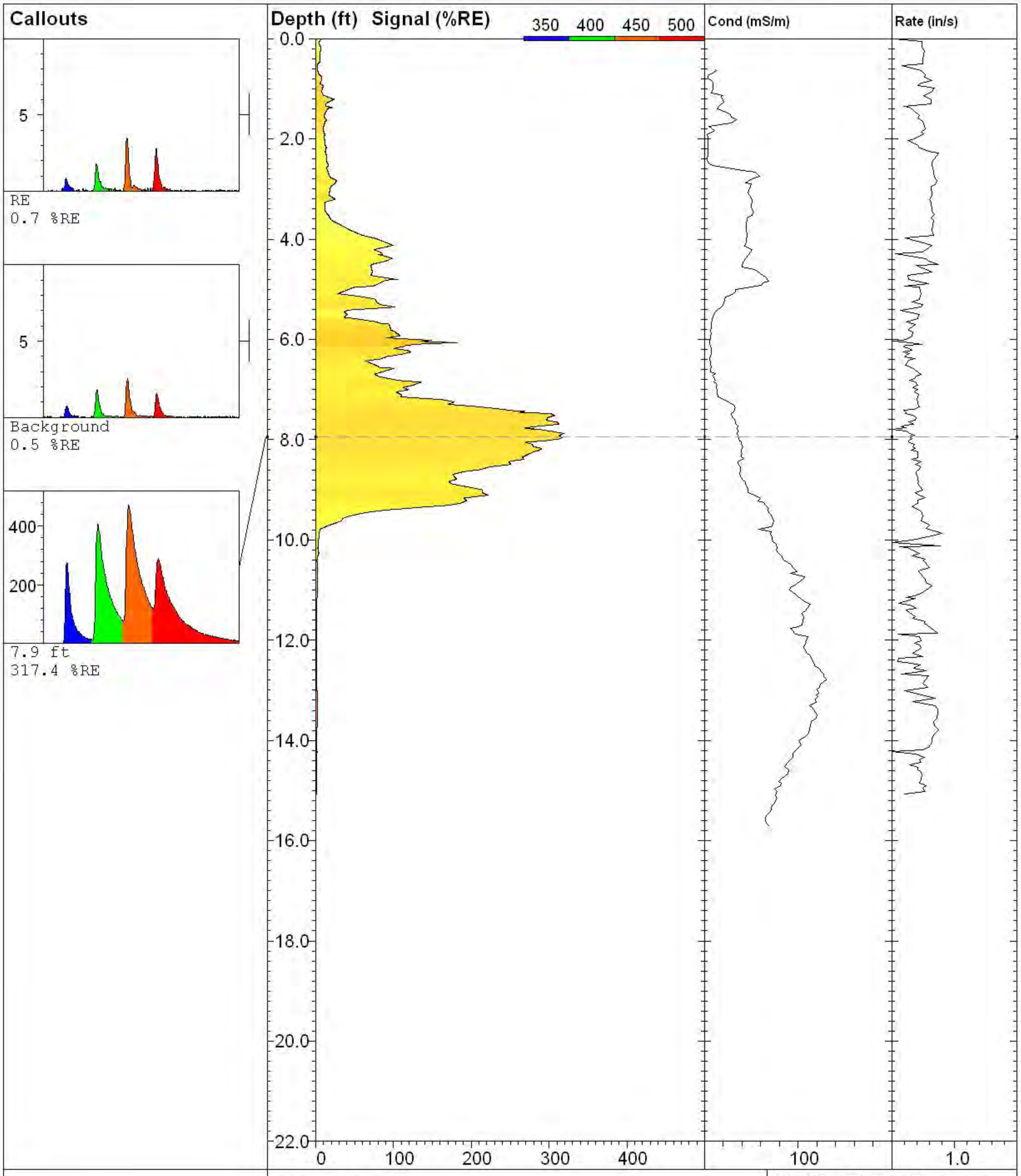
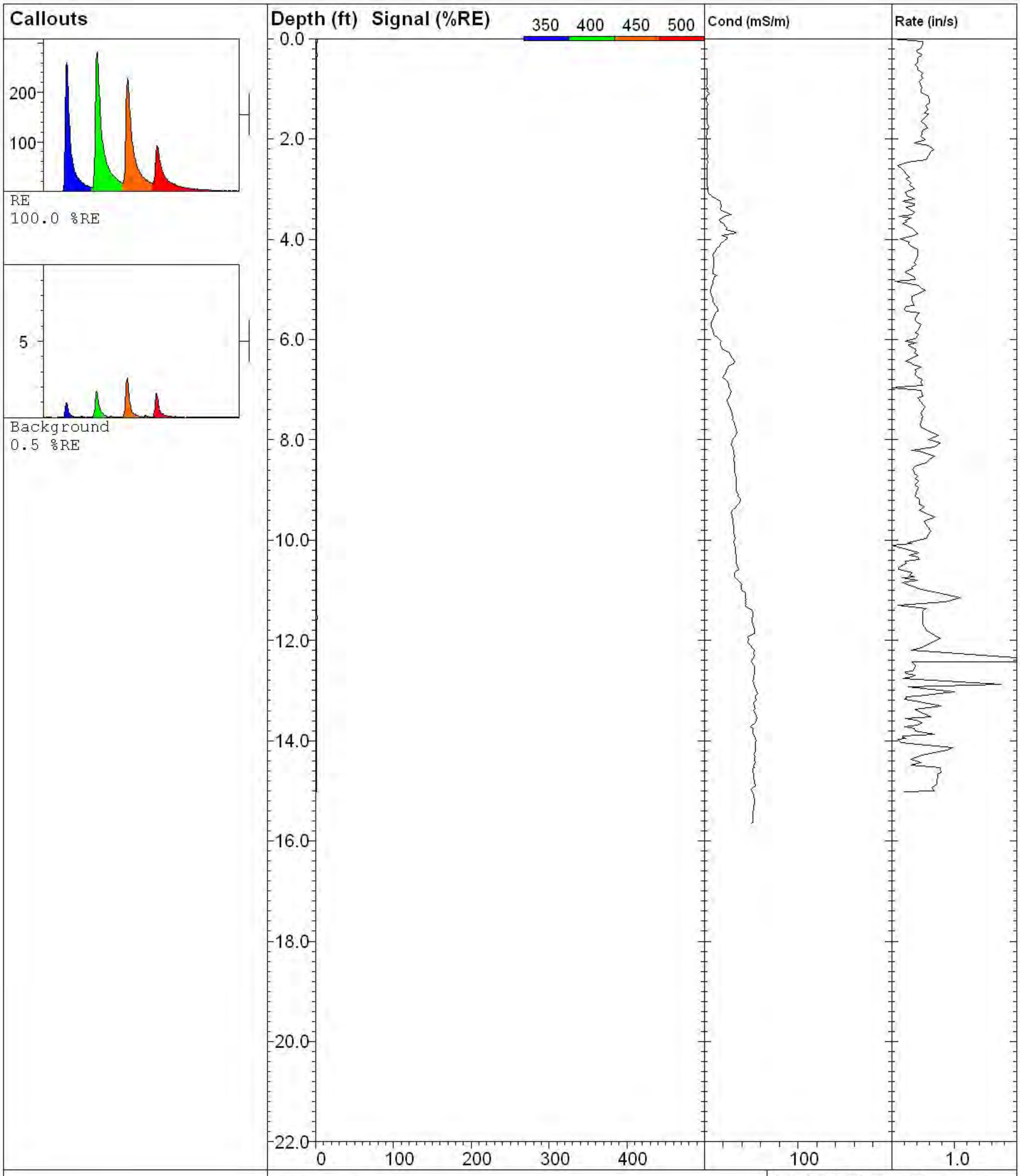
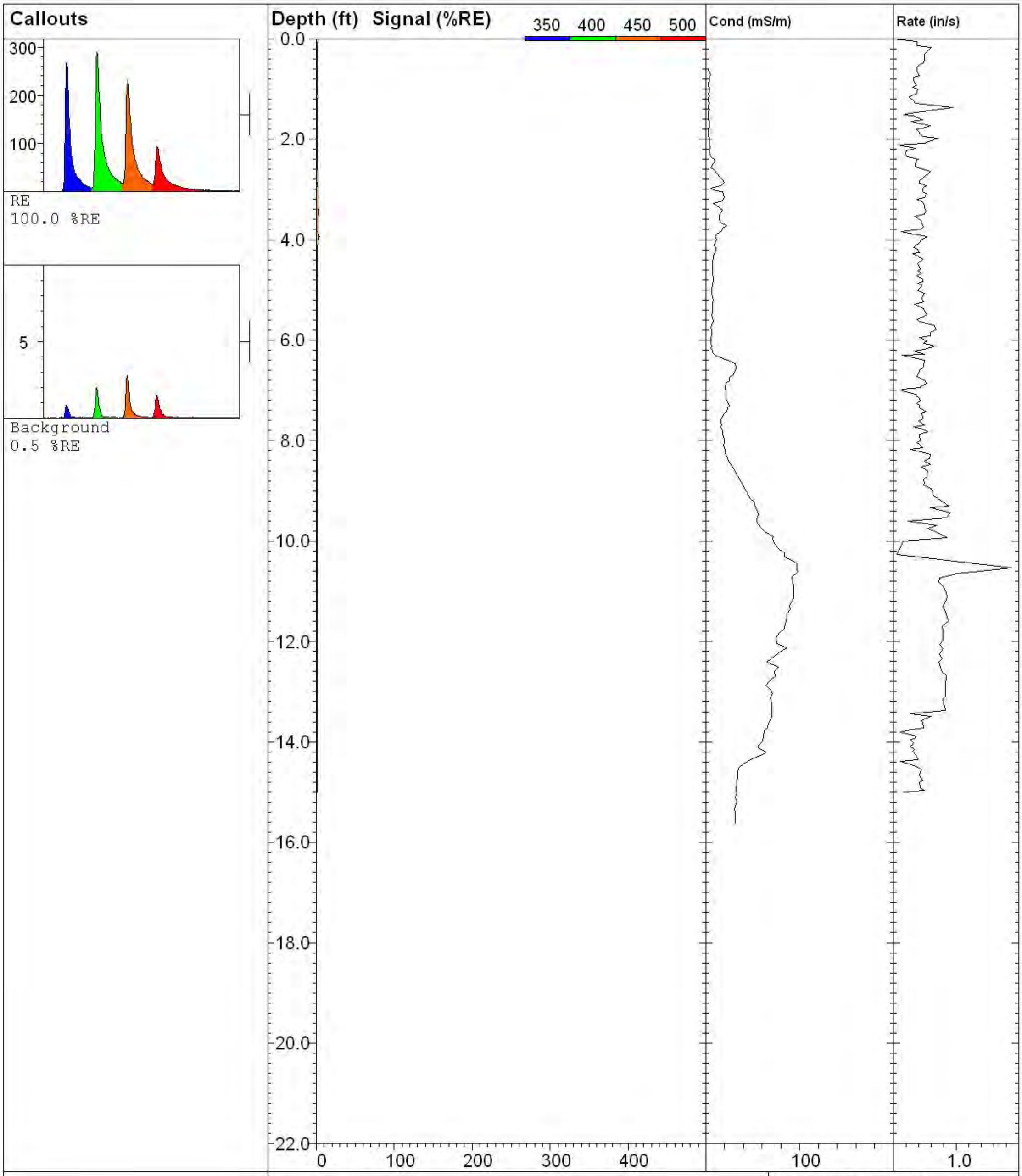


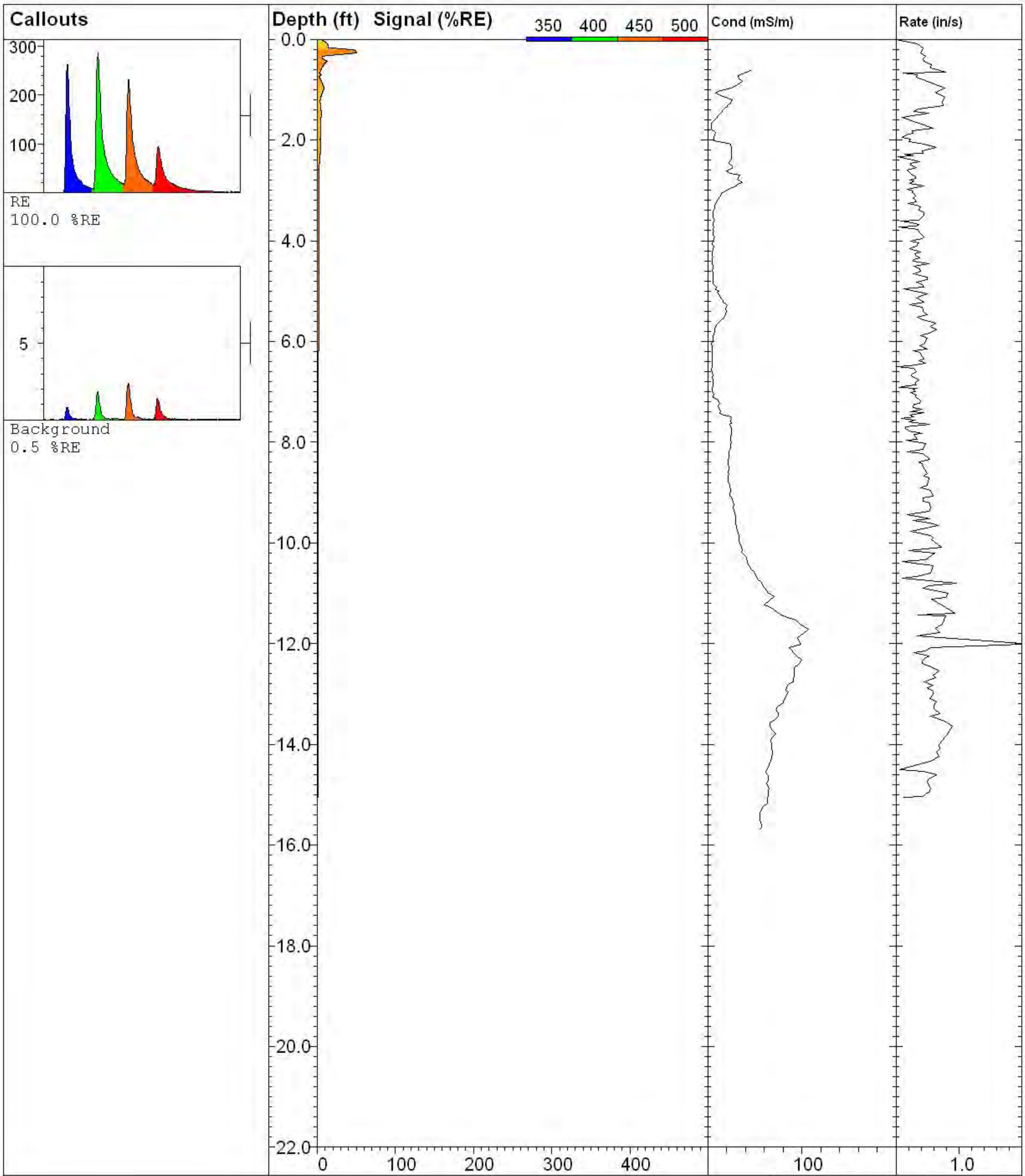
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-182**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.07 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **319.0 % @ 7.88 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-08 09:12 CST**



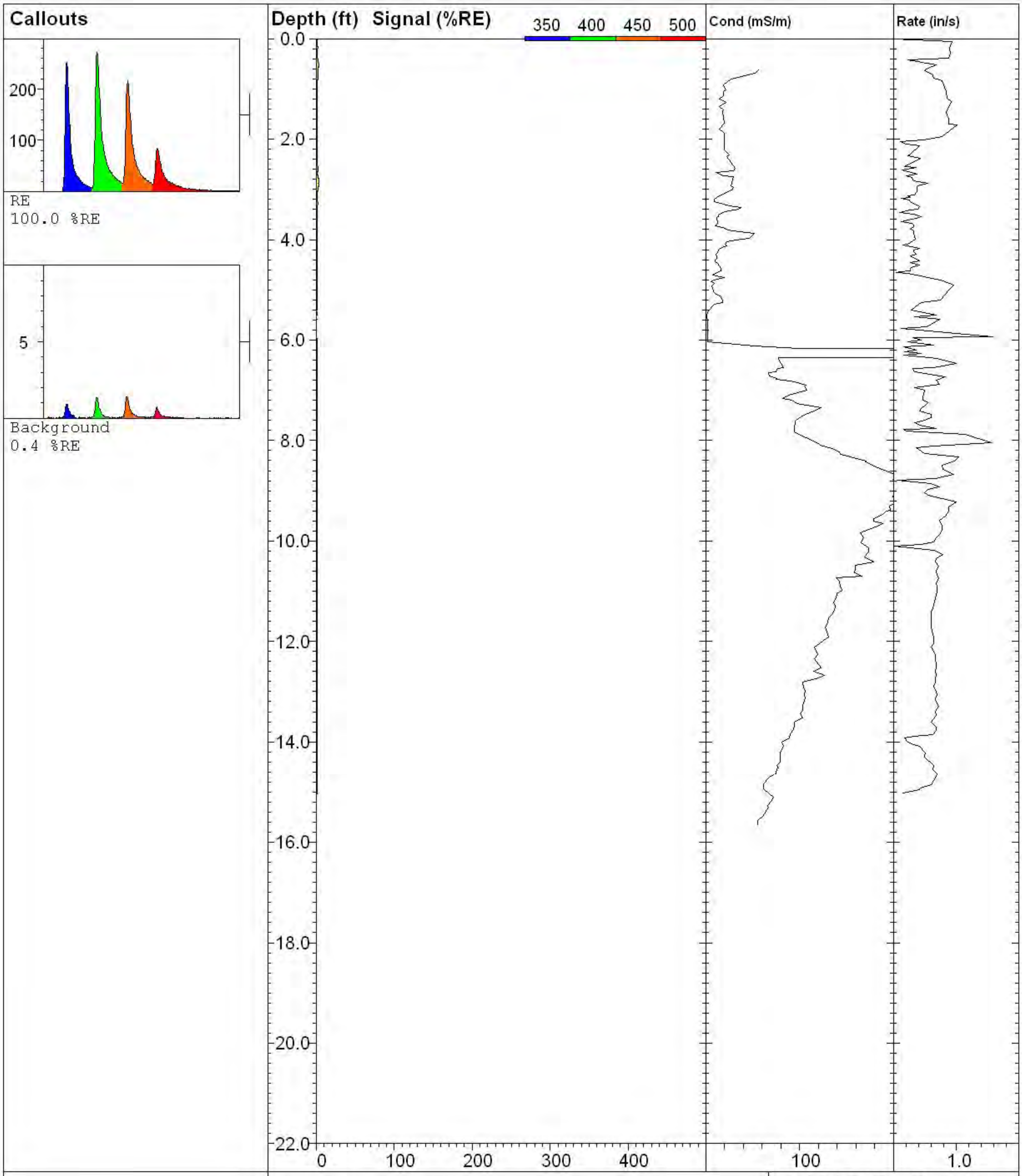
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-183**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.03 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.9 % @ 0.00 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-07 13:28 CST**



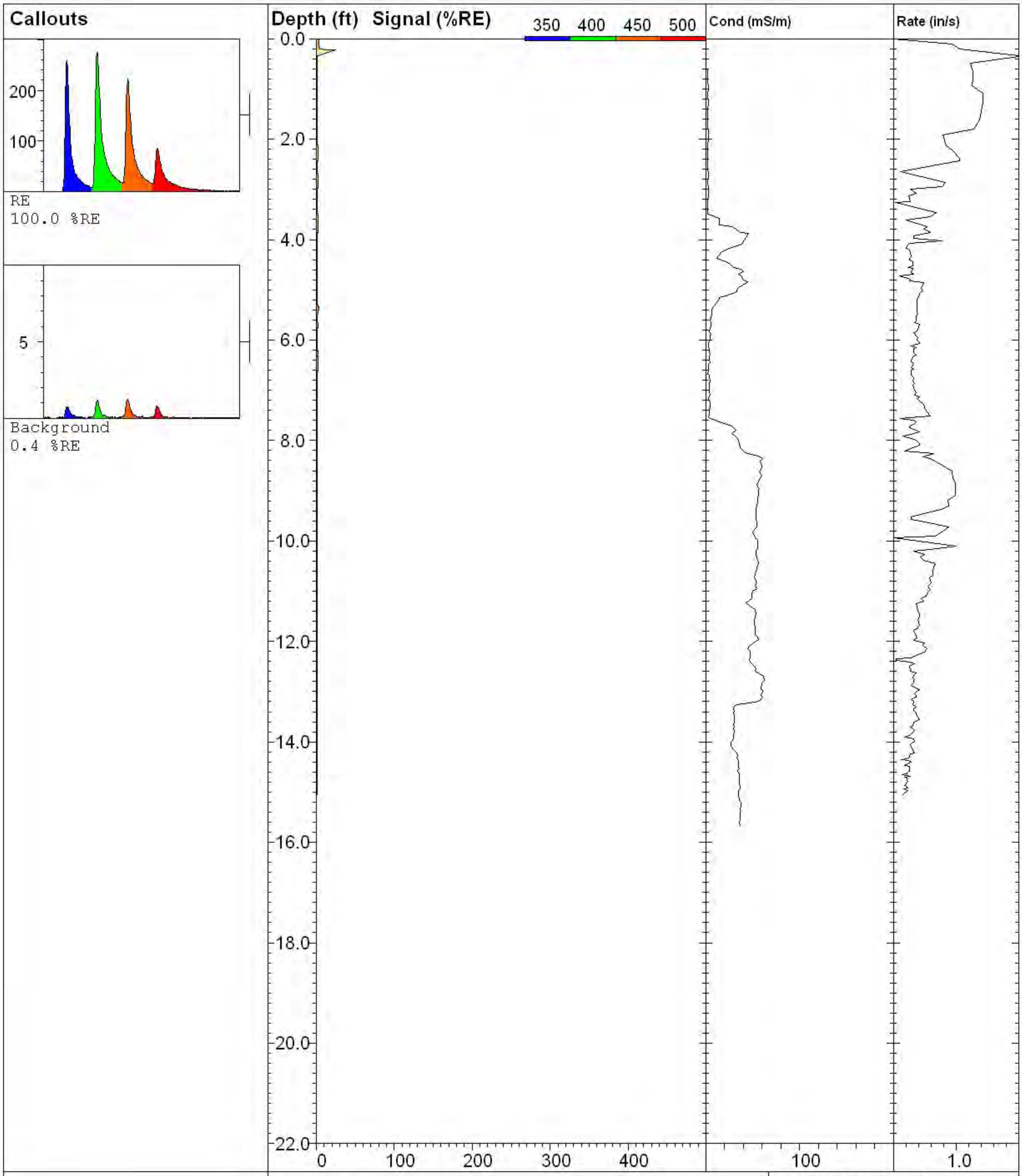
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-184**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.7 % @ 3.95 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-07 14:07 CST**



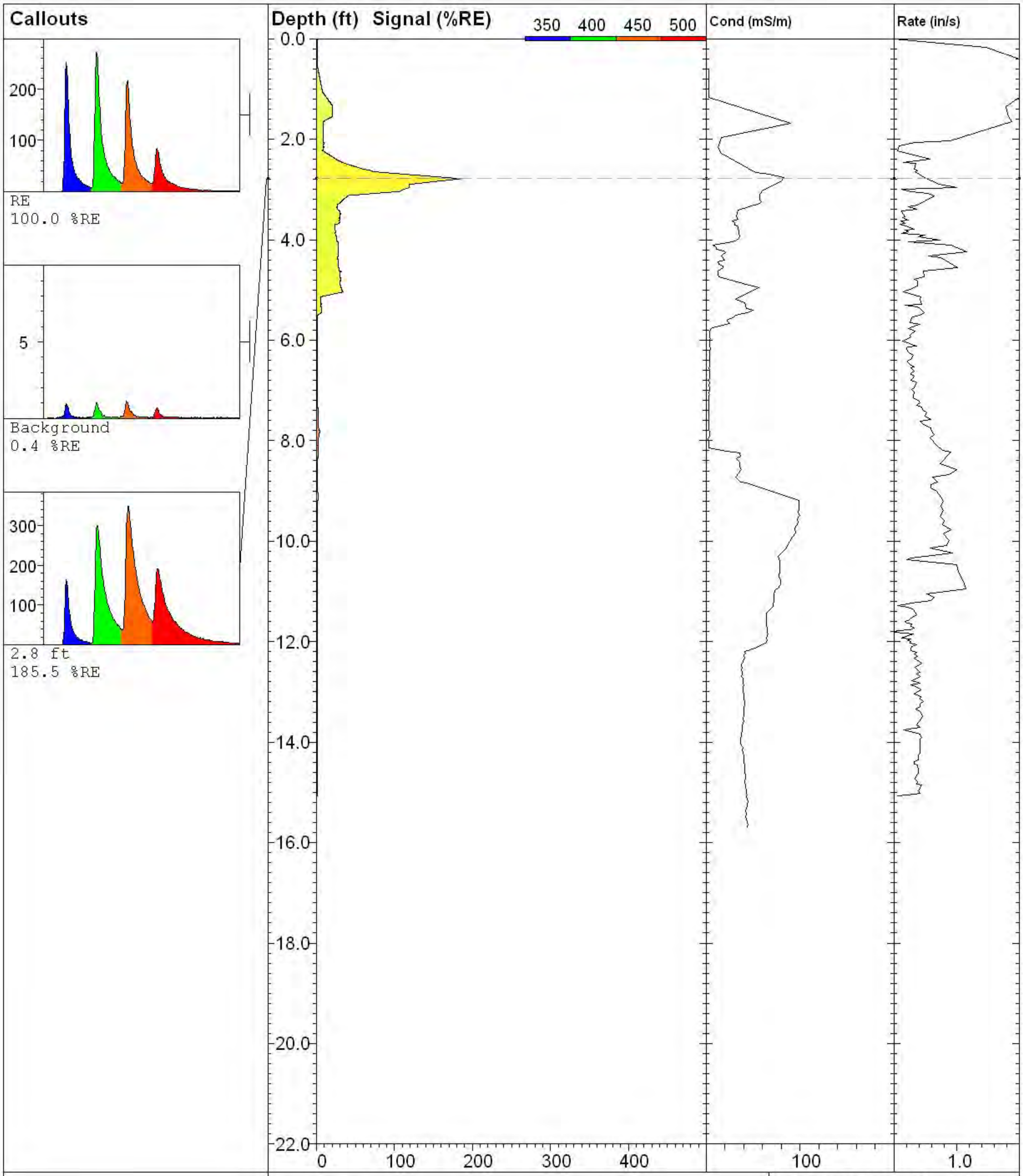
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-186**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.06 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **50.7 % @ 0.27 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-08 13:33 CST**



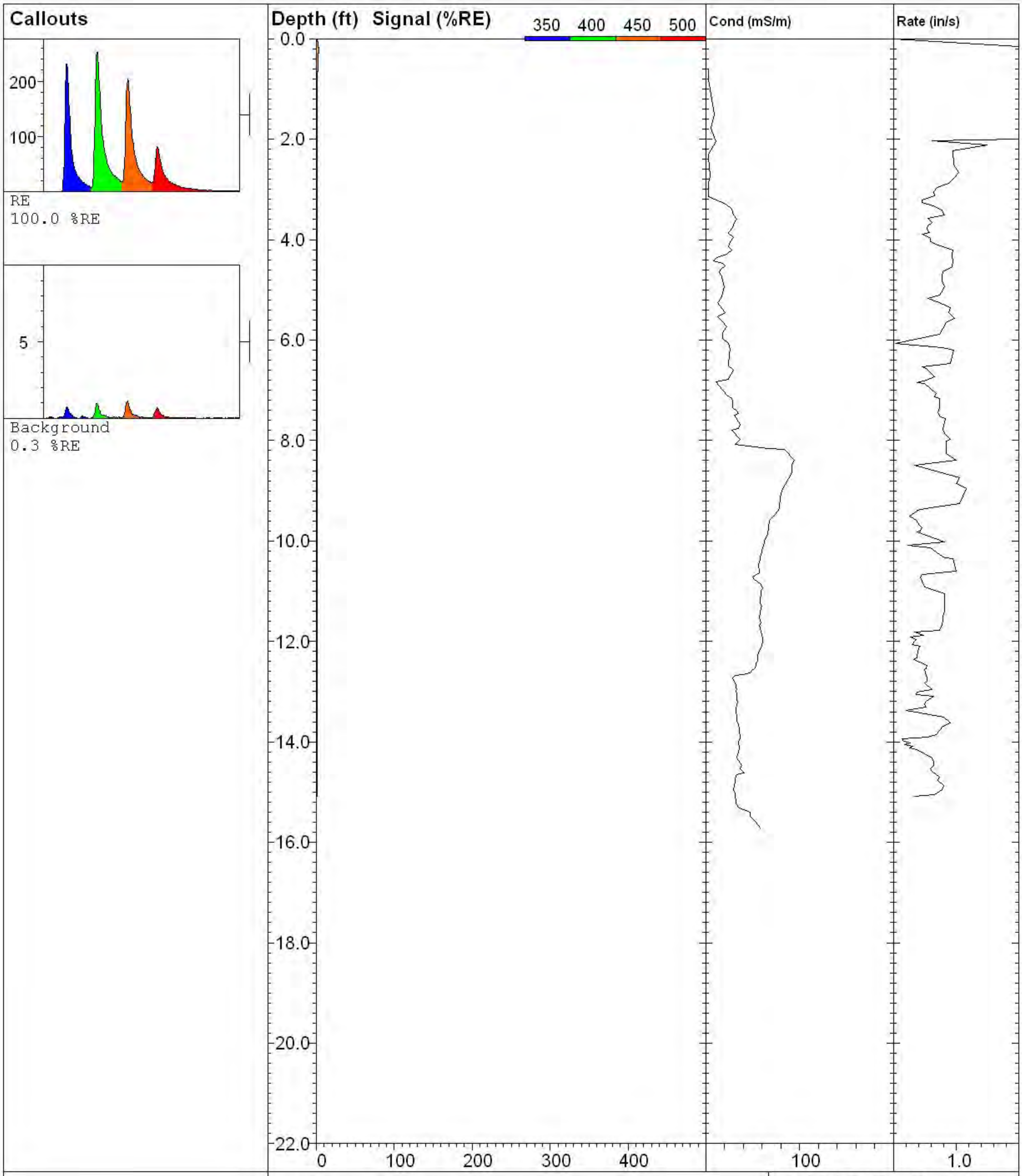
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-190**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.04 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.2 % @ 0.52 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-14 10:20 CST**



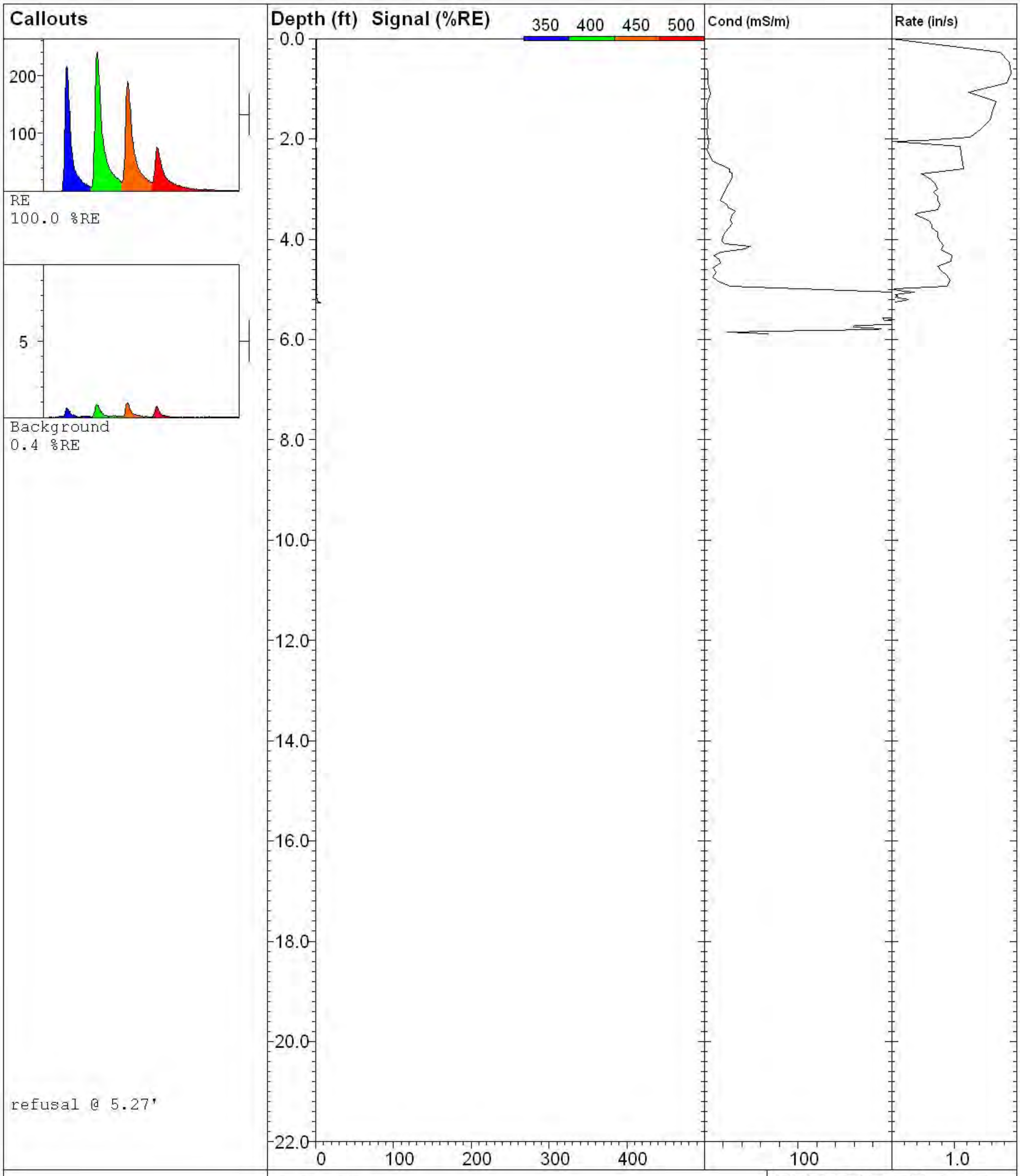
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-195**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.05 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **24.3 % @ 0.22 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-14 13:33 CST**



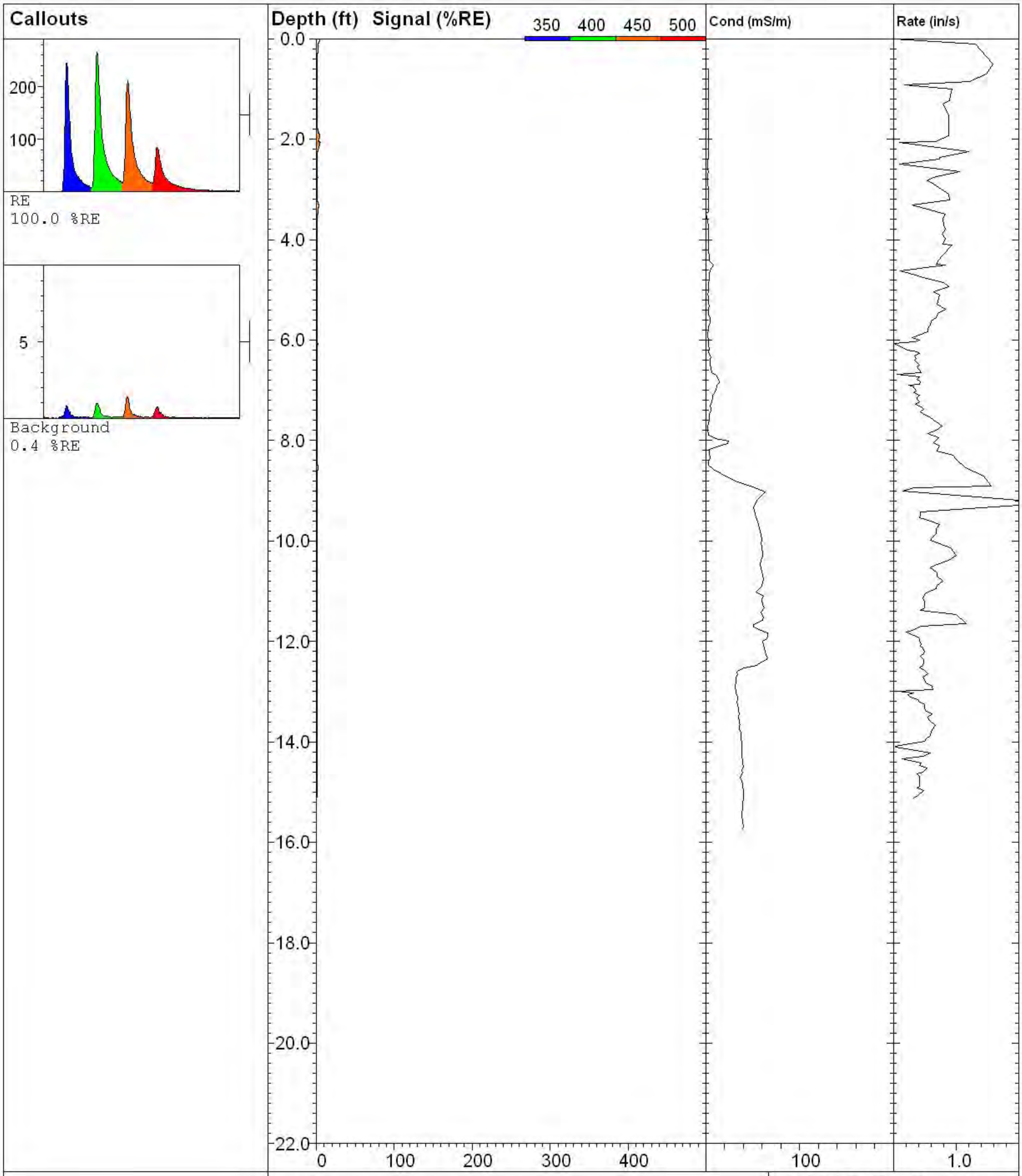
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-198**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.07 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **185.5 % @ 2.79 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-14 14:39 CST**



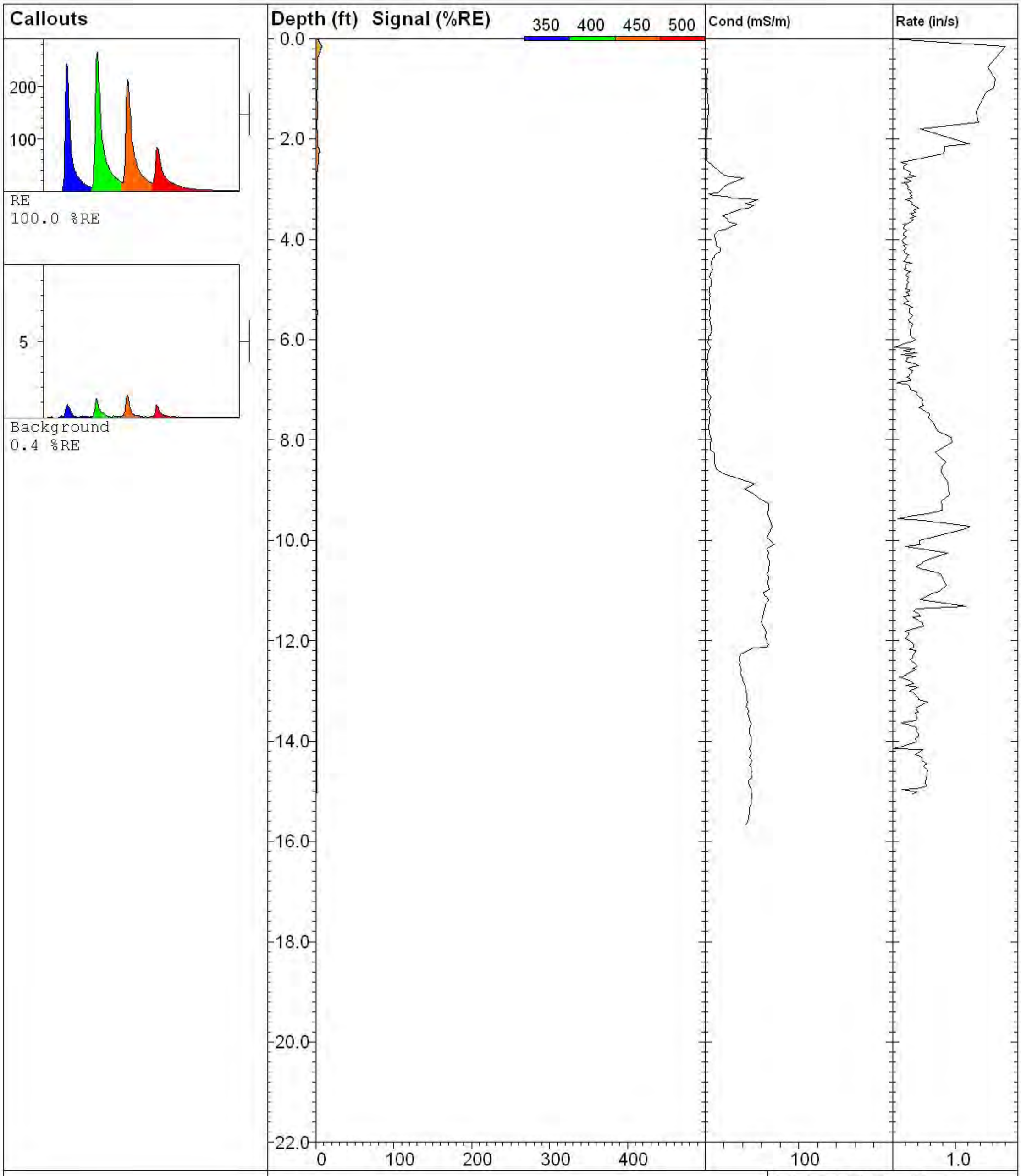
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-200**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.09 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.8 % @ 0.20 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-15 15:25 CST**



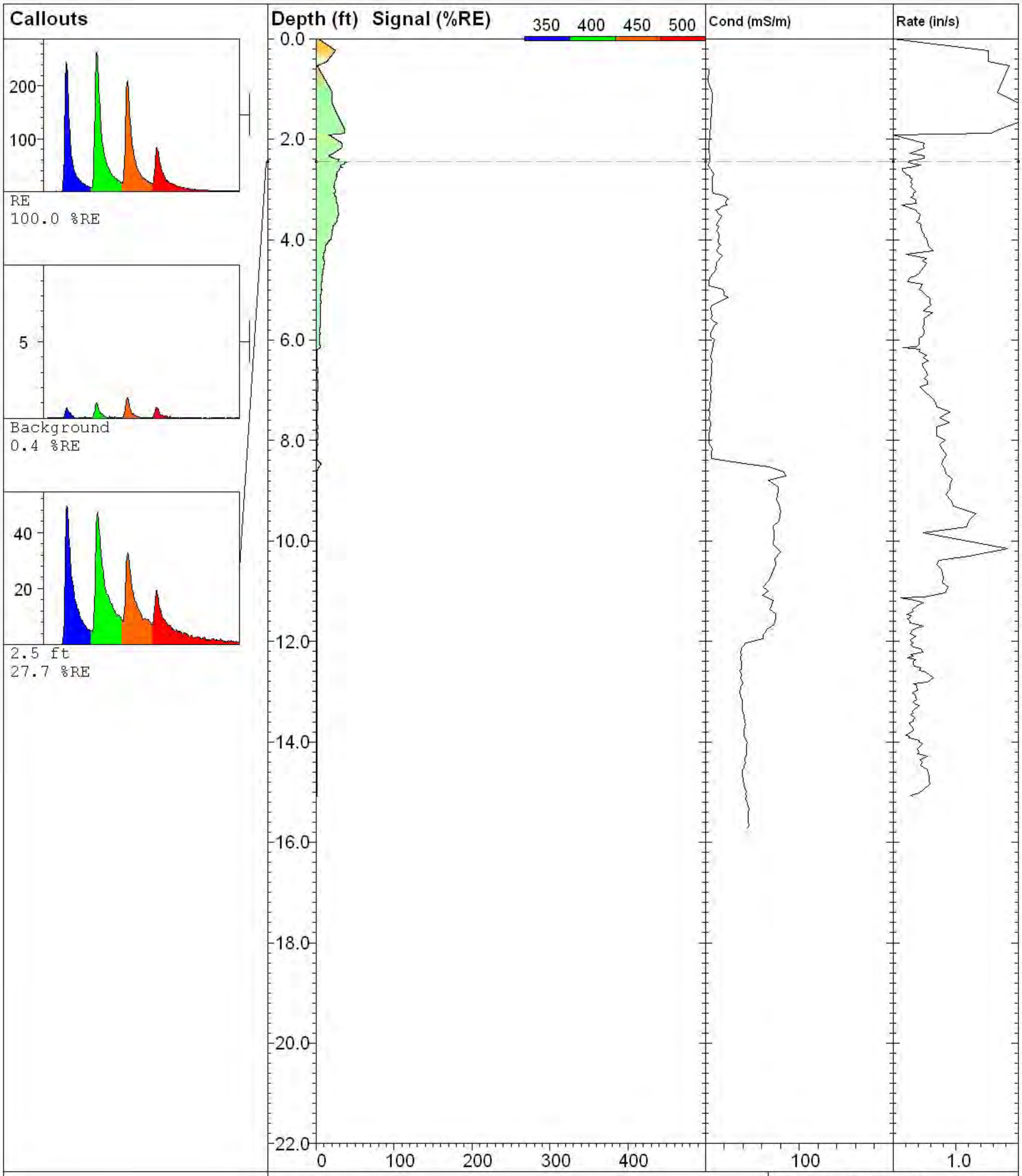
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-201**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **5.27 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **6.5 % @ 5.27 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-15 16:04 CST**



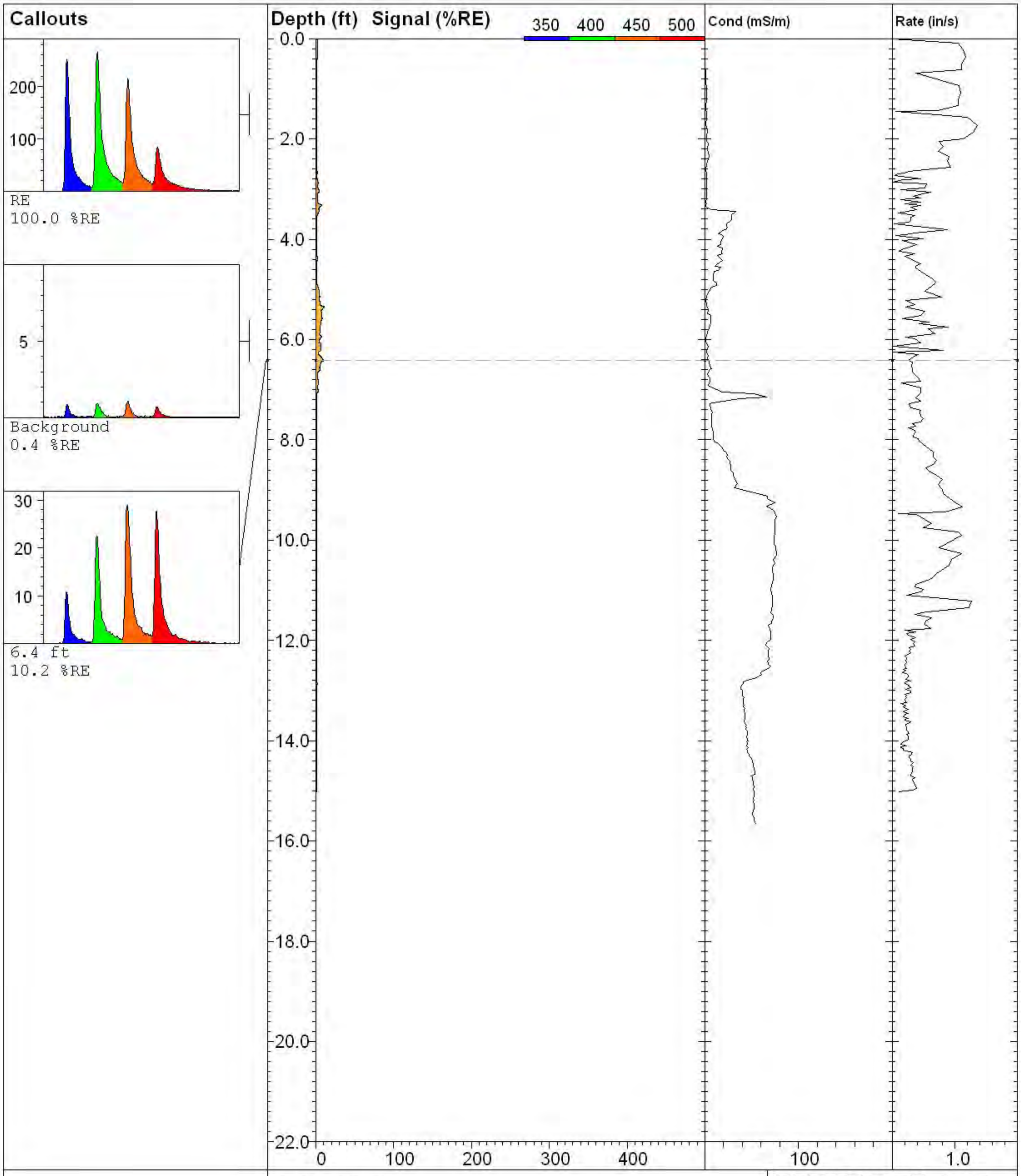
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-202**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.11 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **5.1 % @ 0.00 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-15 13:02 CST**



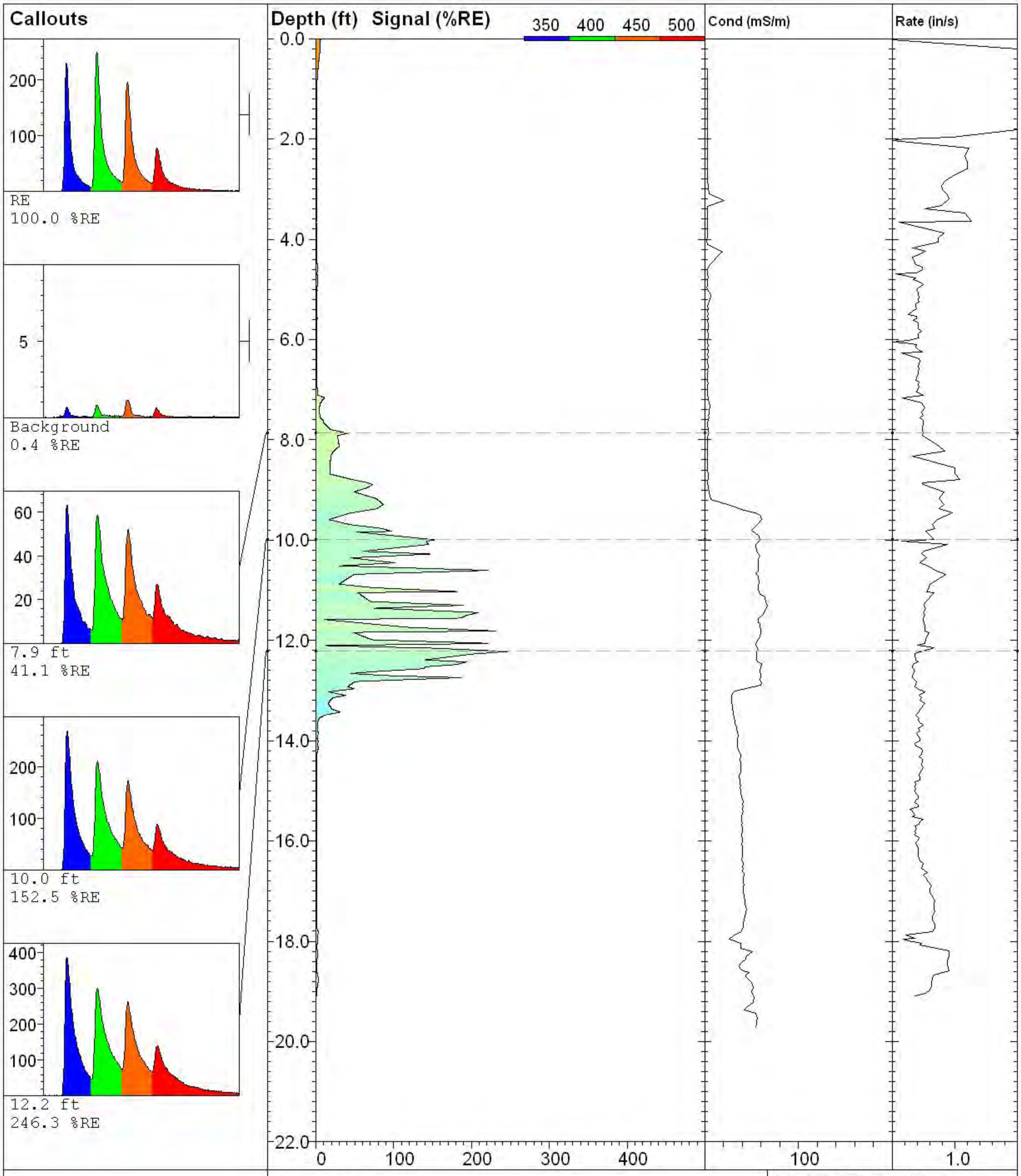
MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-203**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.04 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **7.3 % @ 0.15 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-15 12:07 CST**



MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-204**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.09 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **40.9 % @ 2.46 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-14 15:51 CST**



MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-205**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.02 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **10.8 % @ 5.35 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-15 07:40 CST**



LIF-206		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **19.08 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **246.3 % @ 12.22 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-15 14:09 CST**

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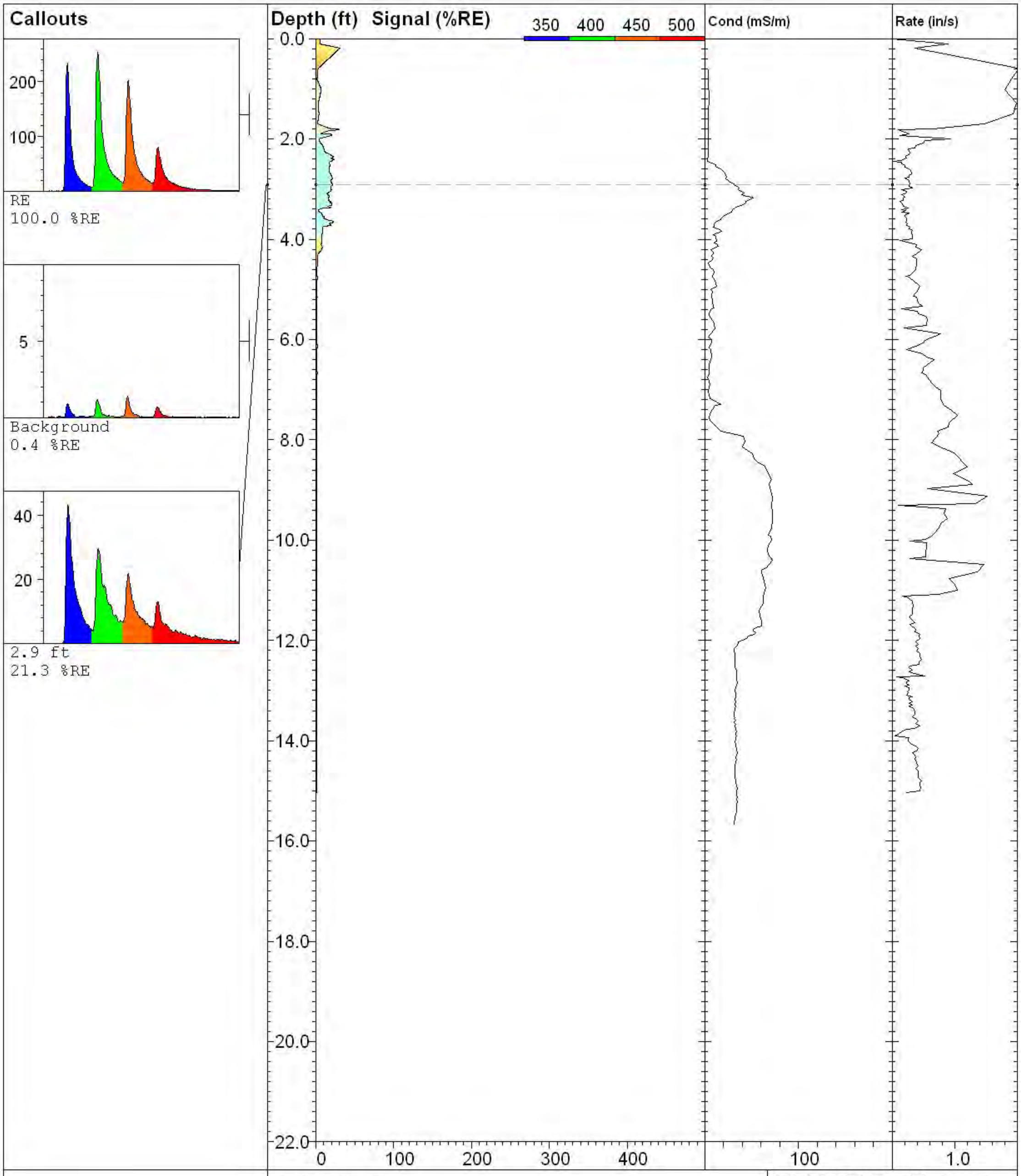
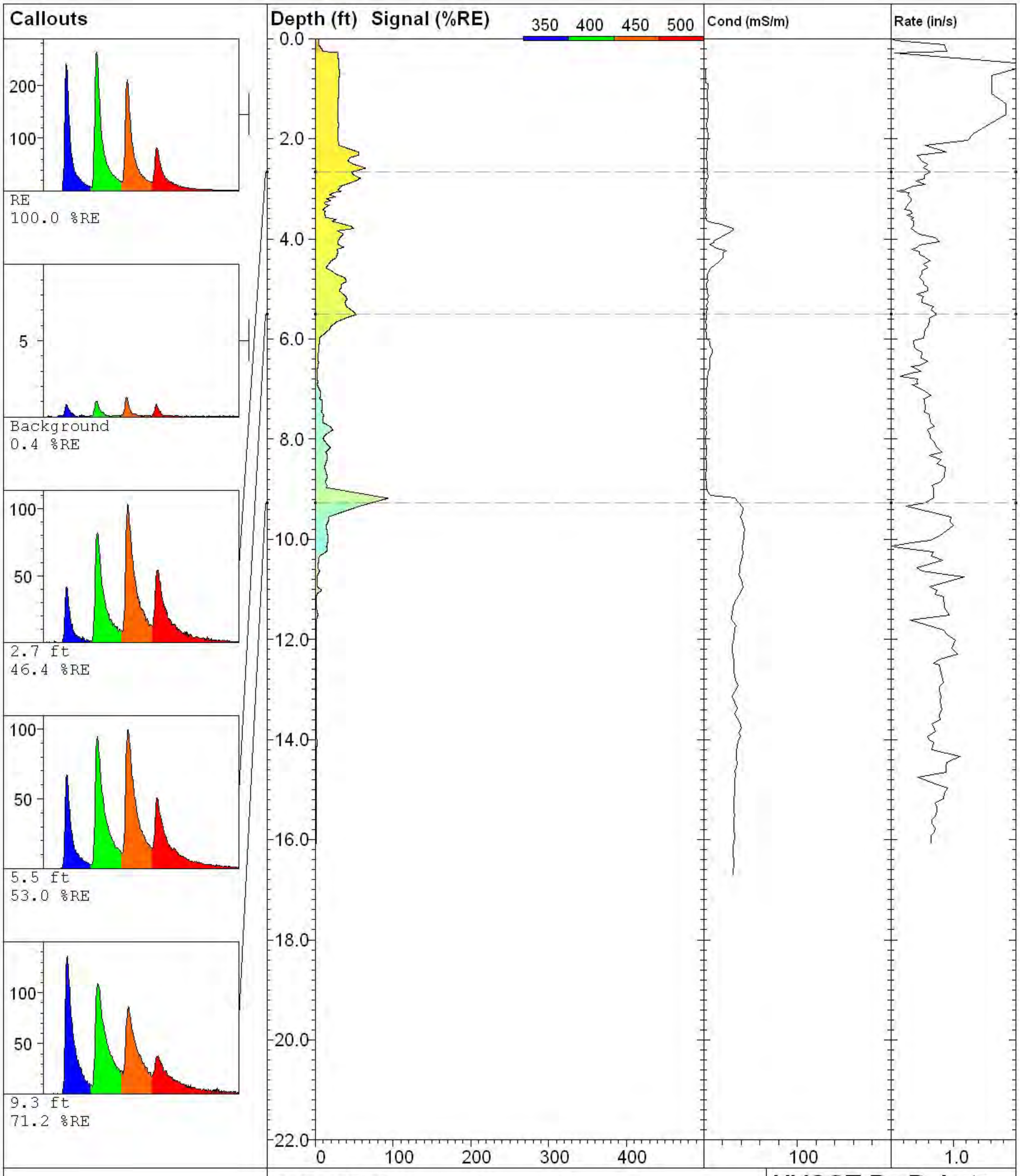


MATRIX ENVIRONMENTAL LLC www.matrixenv.com	**LIF-207**		**UVOST By Dakota** www.DakotaTechnologies.com
	Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.04 ft**
	Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **31.1 % @ 0.19 ft**
	Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-14 16:34 CST**



LIF-208		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.08 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **93.5 % @ 9.18 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-15 08:45 CST**

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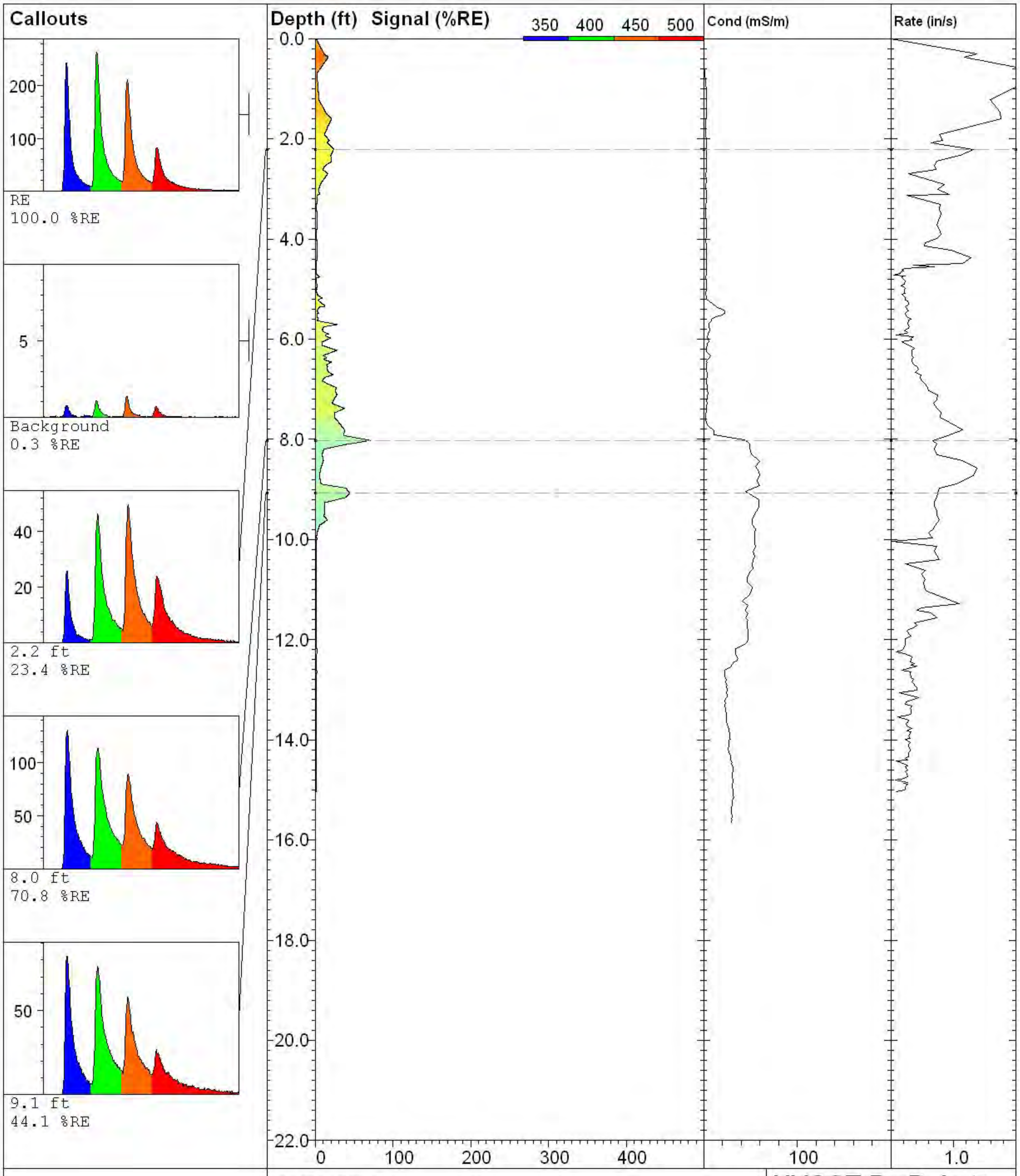

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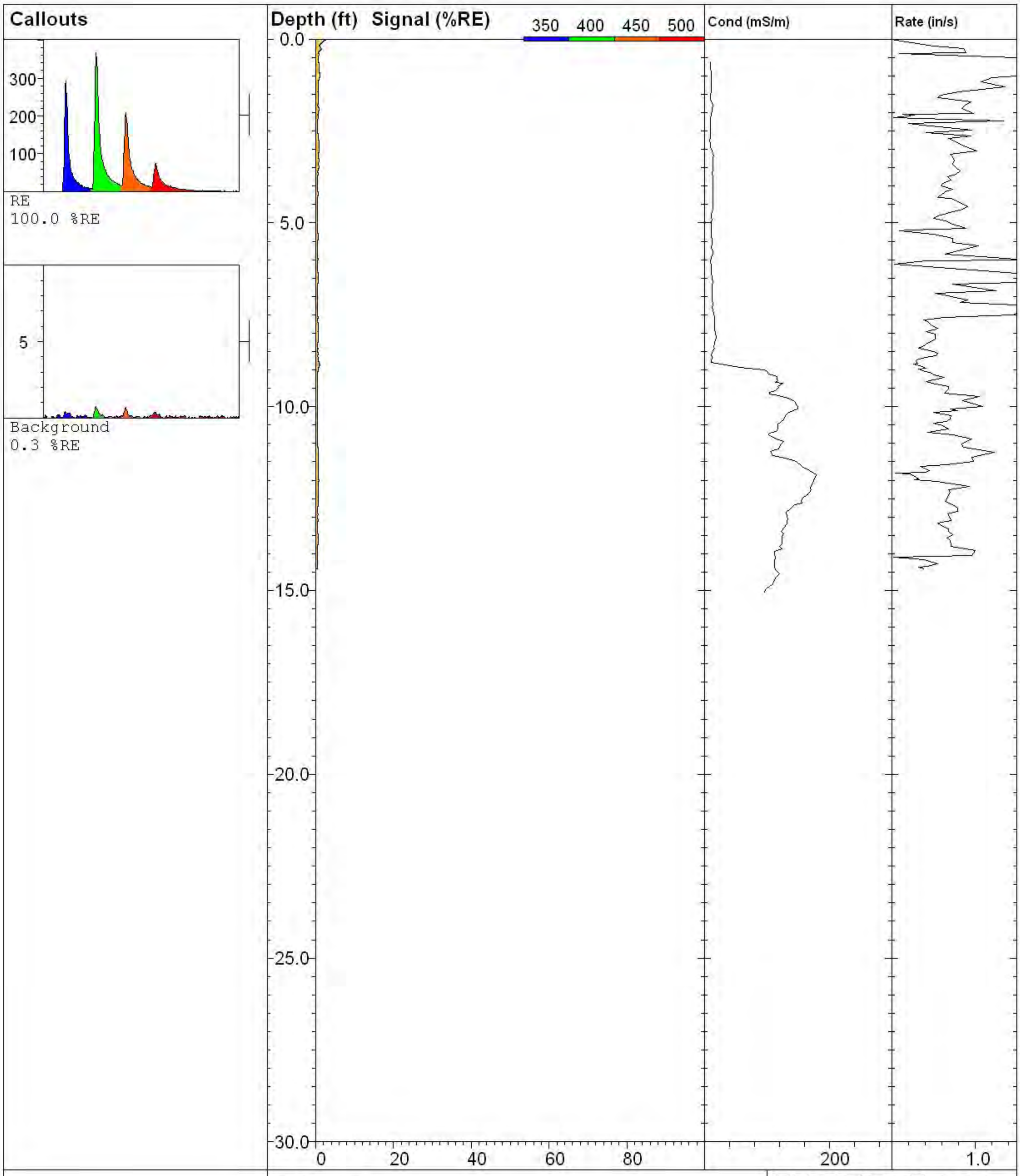
LIF-209

UVOST By Dakota
www.DakotaTechnologies.com

Site: **Willow Run, Ypsilanti**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.03 ft**
Client: **CRA**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **70.8 % @ 8.02 ft**
Job: **143-MNDS-11UV**	*Operator/Unit:* **MJ/AK/SA/UVOST1003**	*Date & Time:* **2011-11-15 09:25 CST**

Appendix F

LIF/UVOST Survey Results
(January-February 2010)



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LIF-001

UVOST By Dakota
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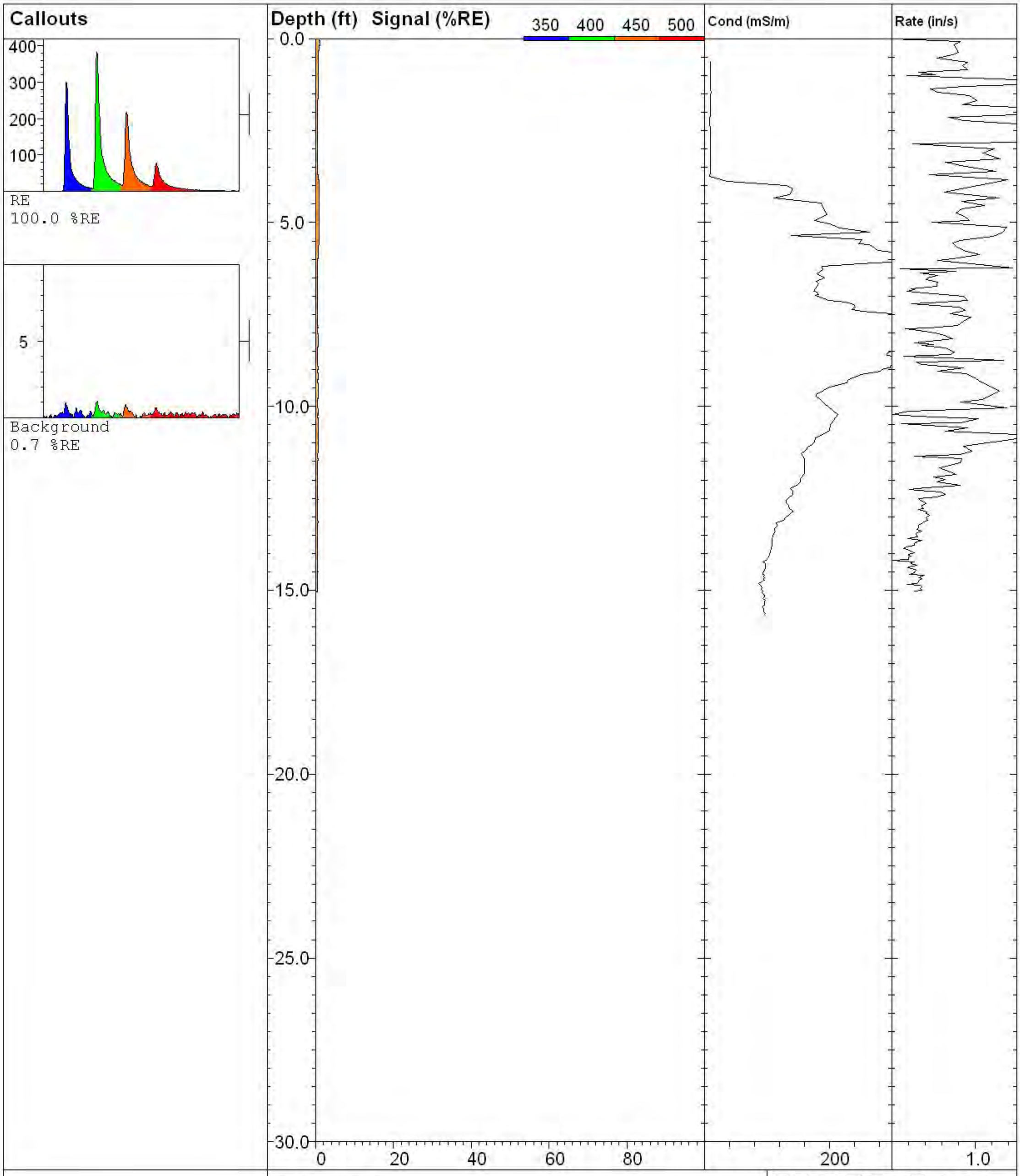
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **14.42 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.8 % @ 0.00 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-20 12:17 CST**



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LIF-002

UVOST By Dakota
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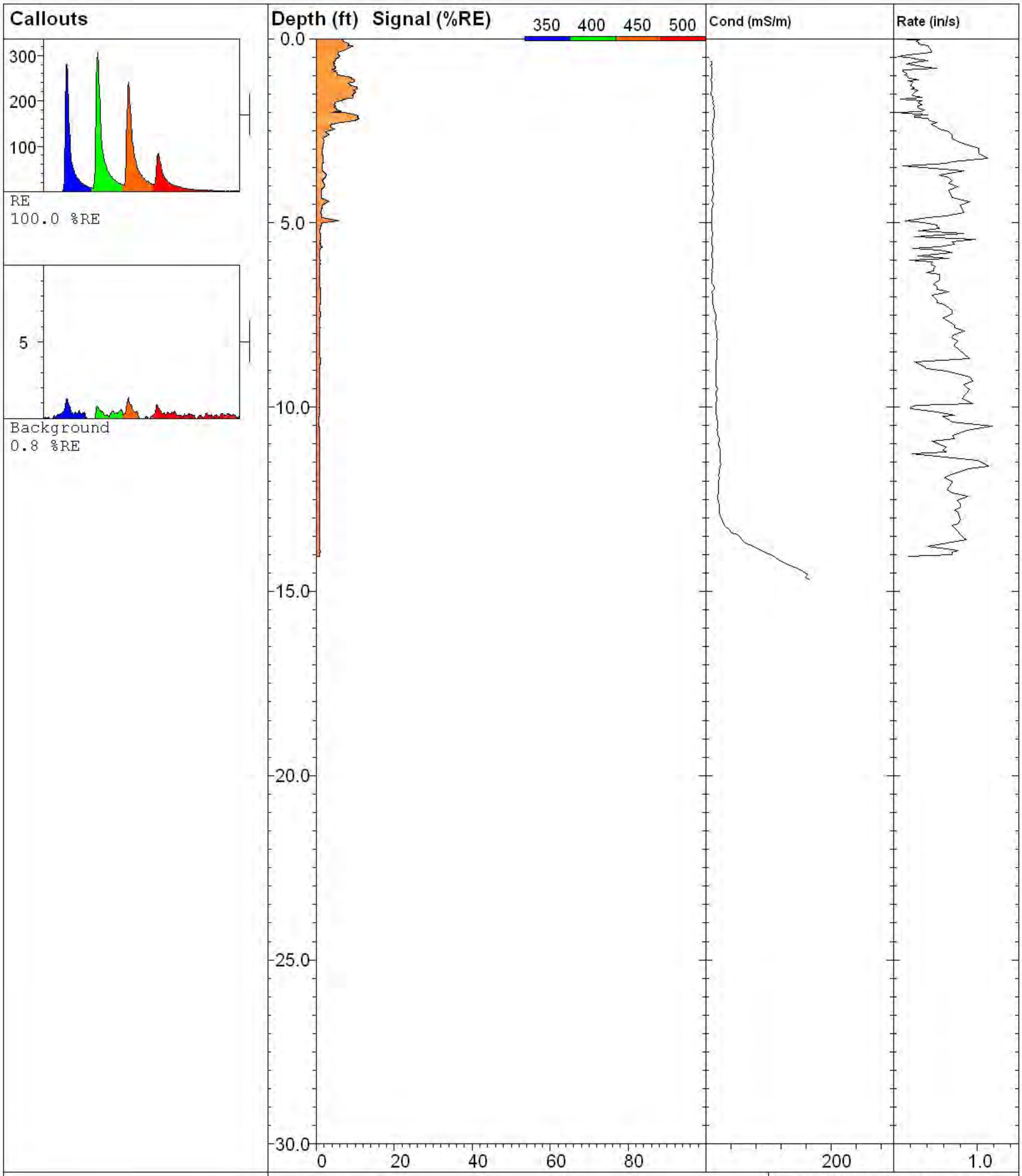
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.03 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.0 % @ 0.00 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-20 12:49 CST**



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LIF-003

UVOST By Dakota
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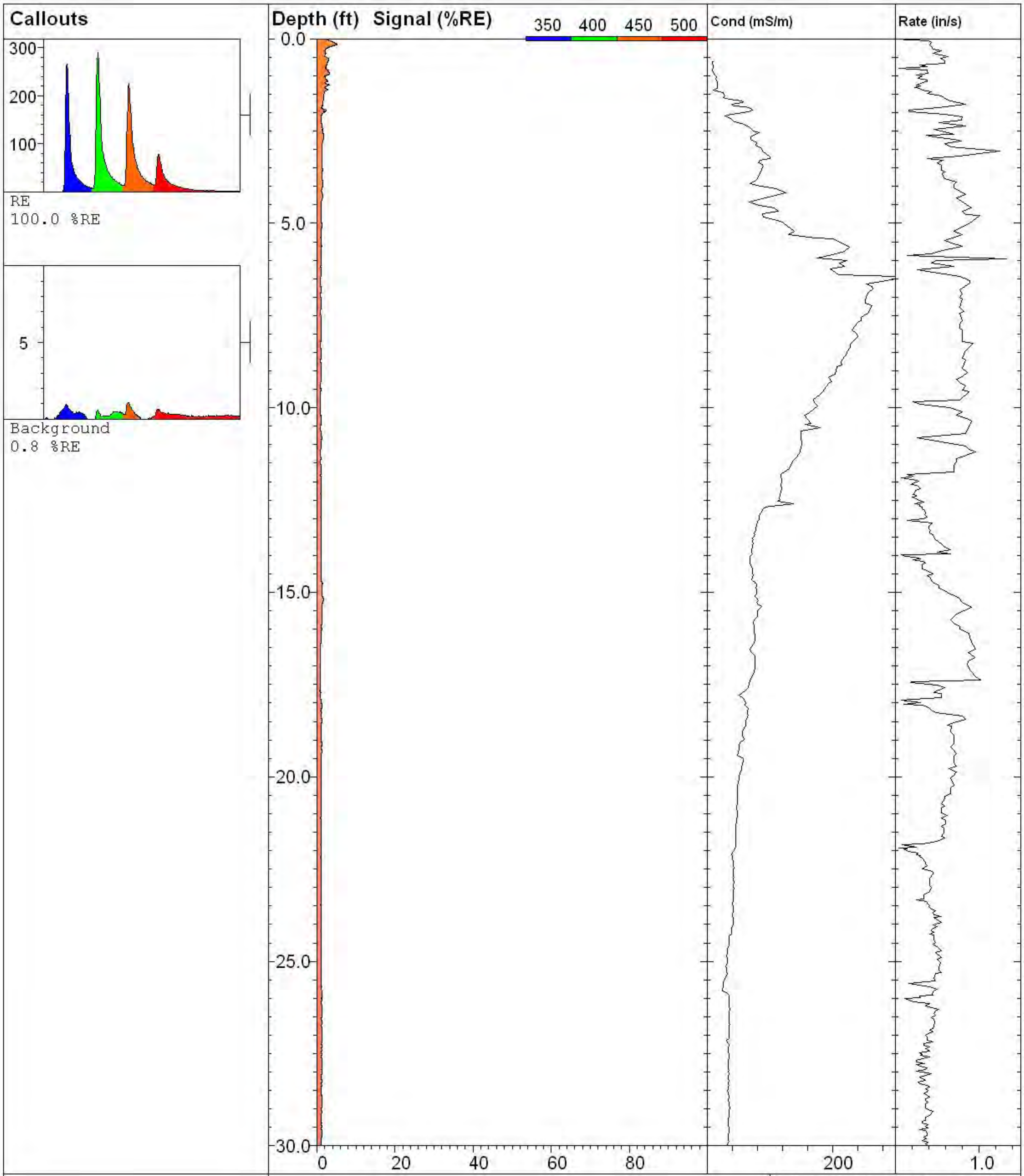
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **14.05 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **11.0 % @ 2.17 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-20 12:10 CST**



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LIF-004

UVOST By Dakota
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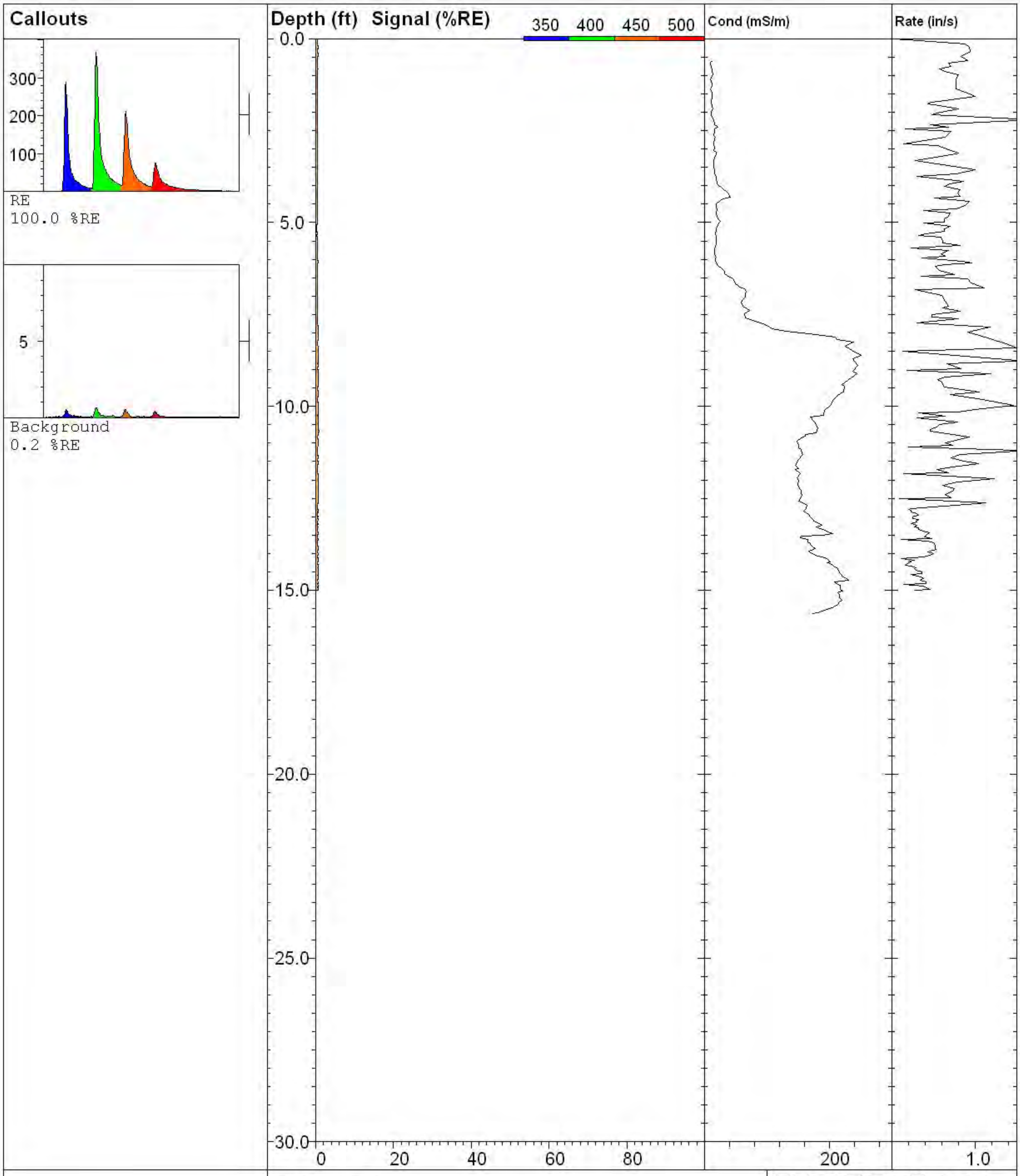
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **30.05 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **5.2 % @ 0.16 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-20 12:48 CST**



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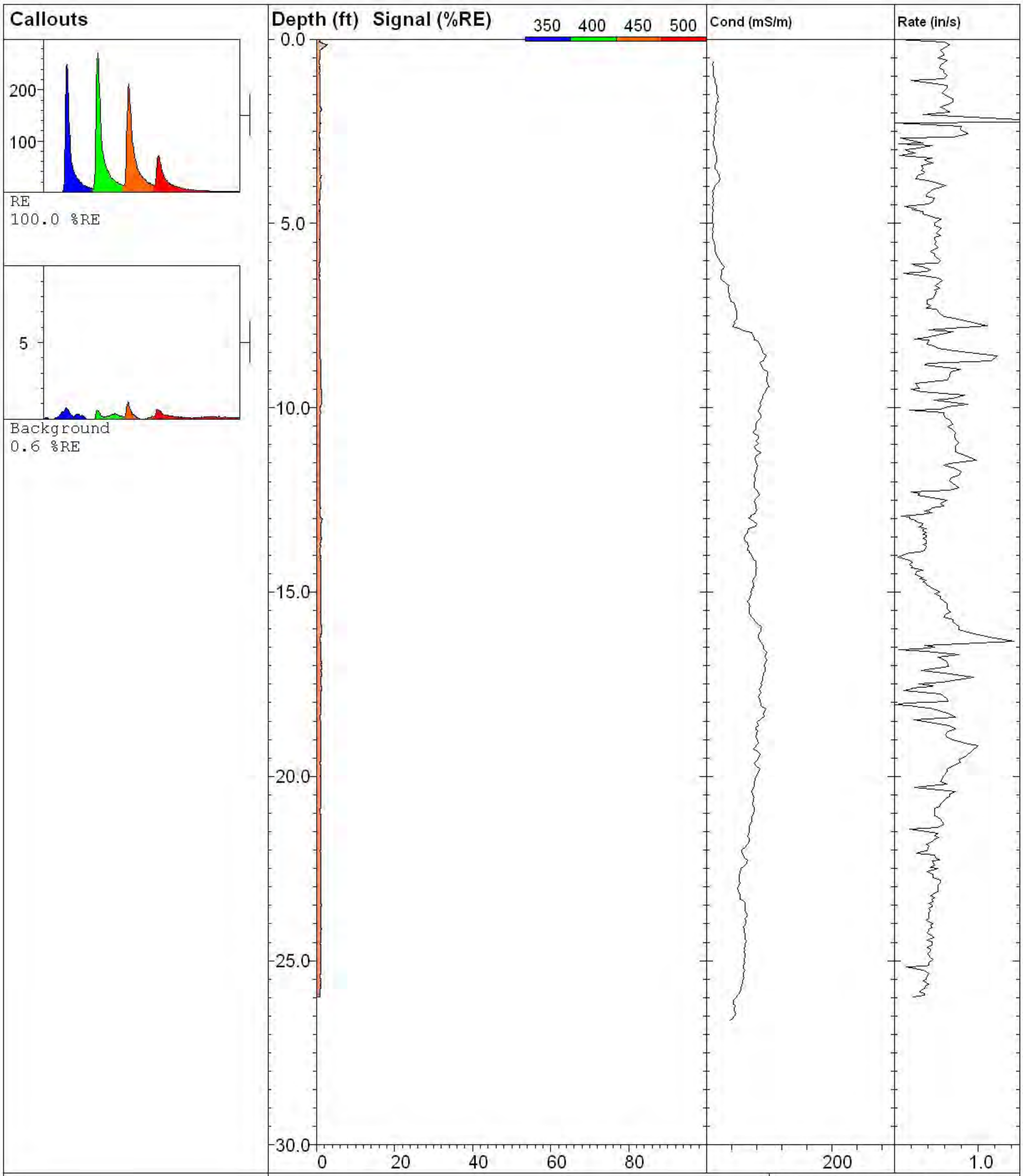
LIF-006

UVOST By Dakota
www.DakotaTechnologies.com

Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **0.8 % @ 10.68 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-20 15:14 CST**



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LIF-007

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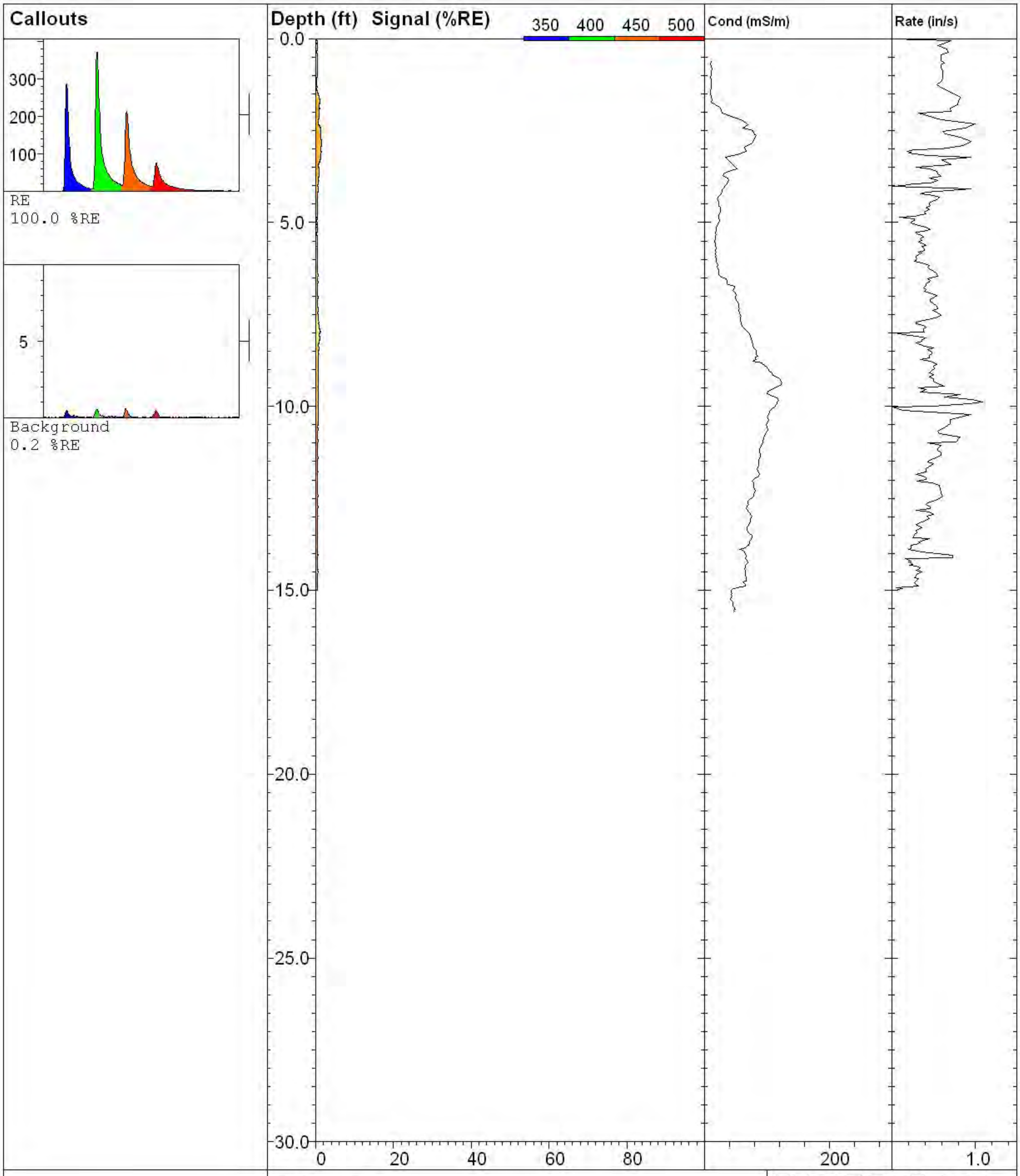
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **25.99 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.7 % @ 0.15 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-20 15:15 CST**



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LIF-009

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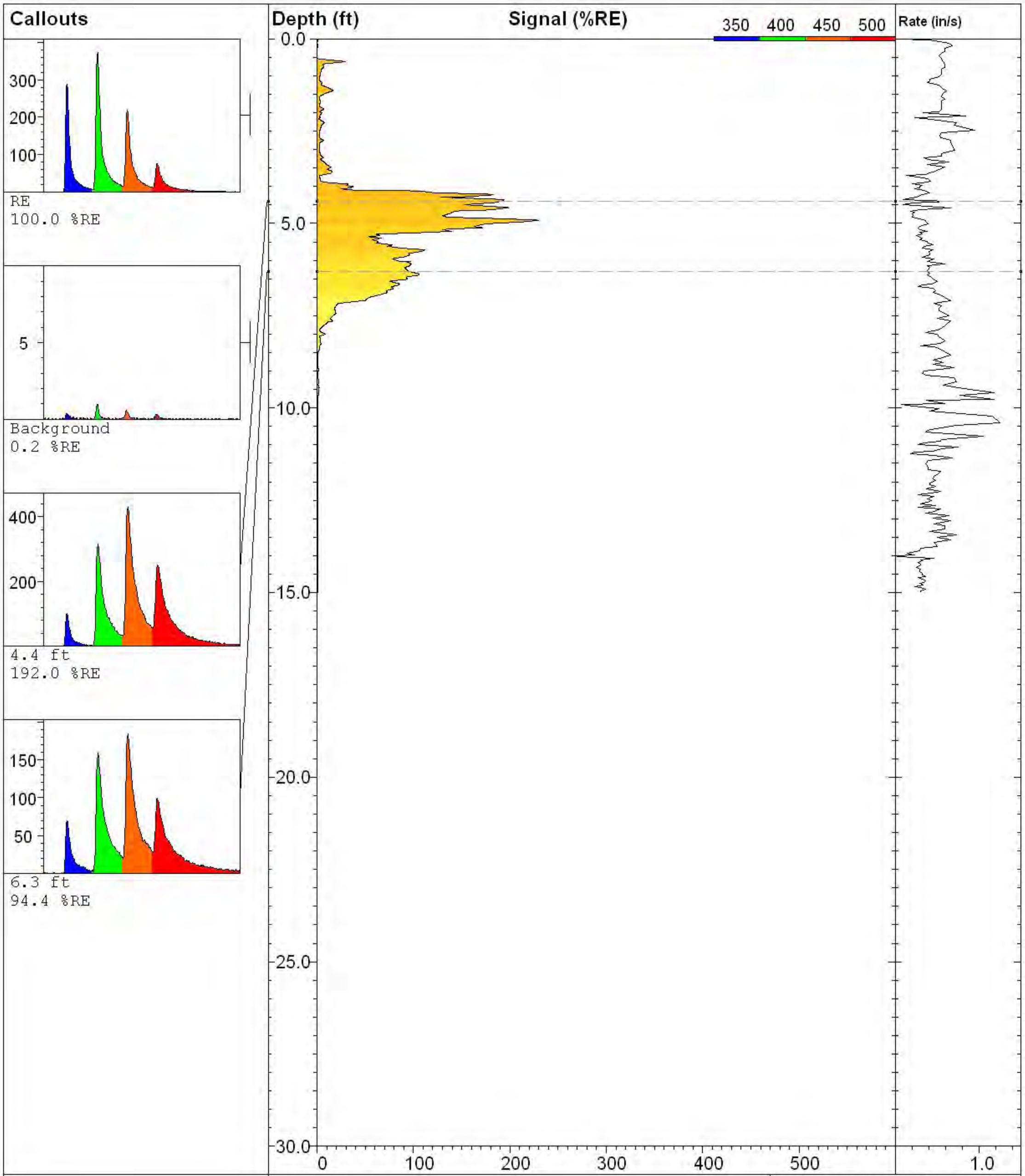
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **14.99 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.4 % @ 3.09 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-23 13:42 CST**



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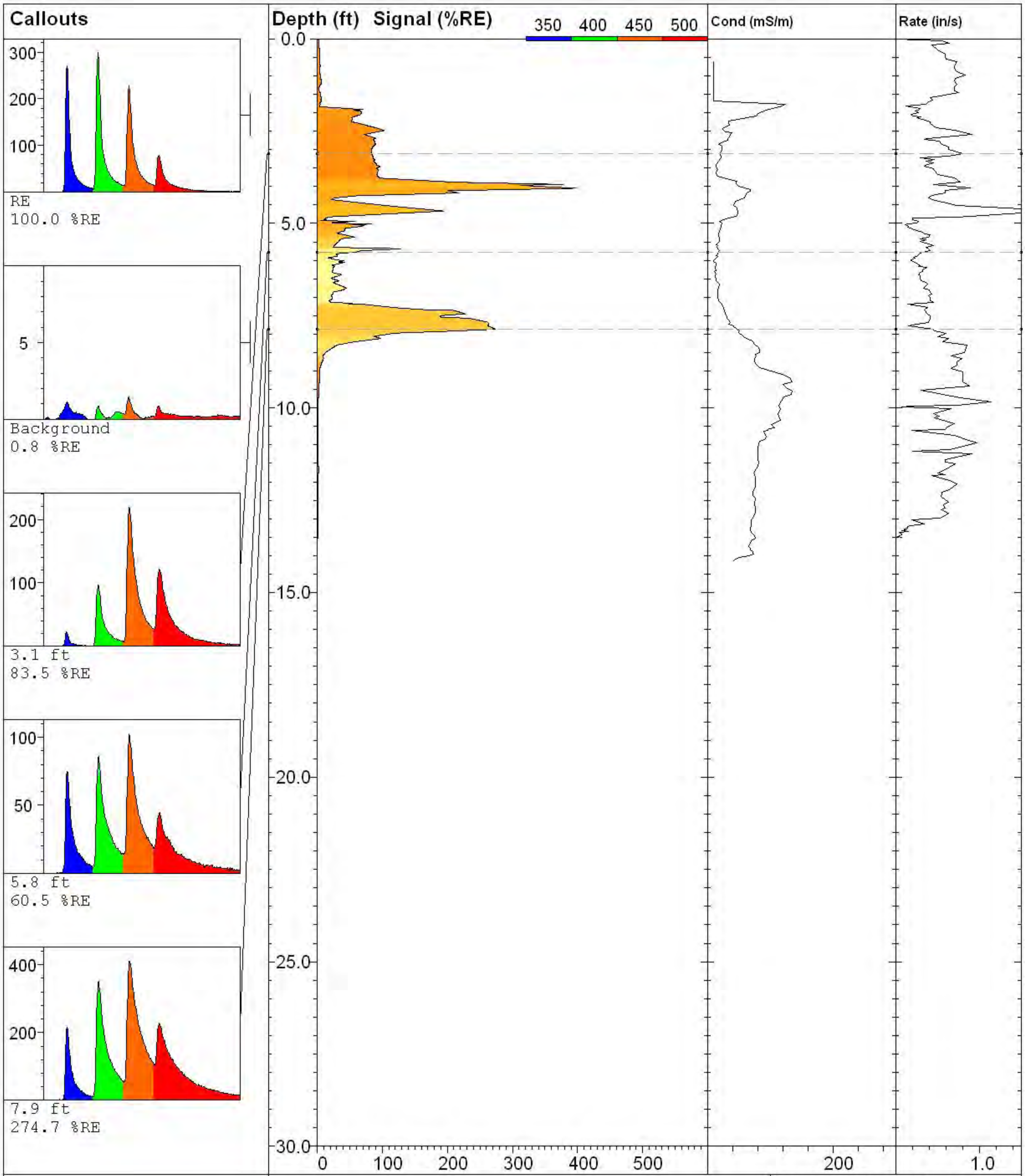
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **230.6 % @ 4.92 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-23 15:11 CST**



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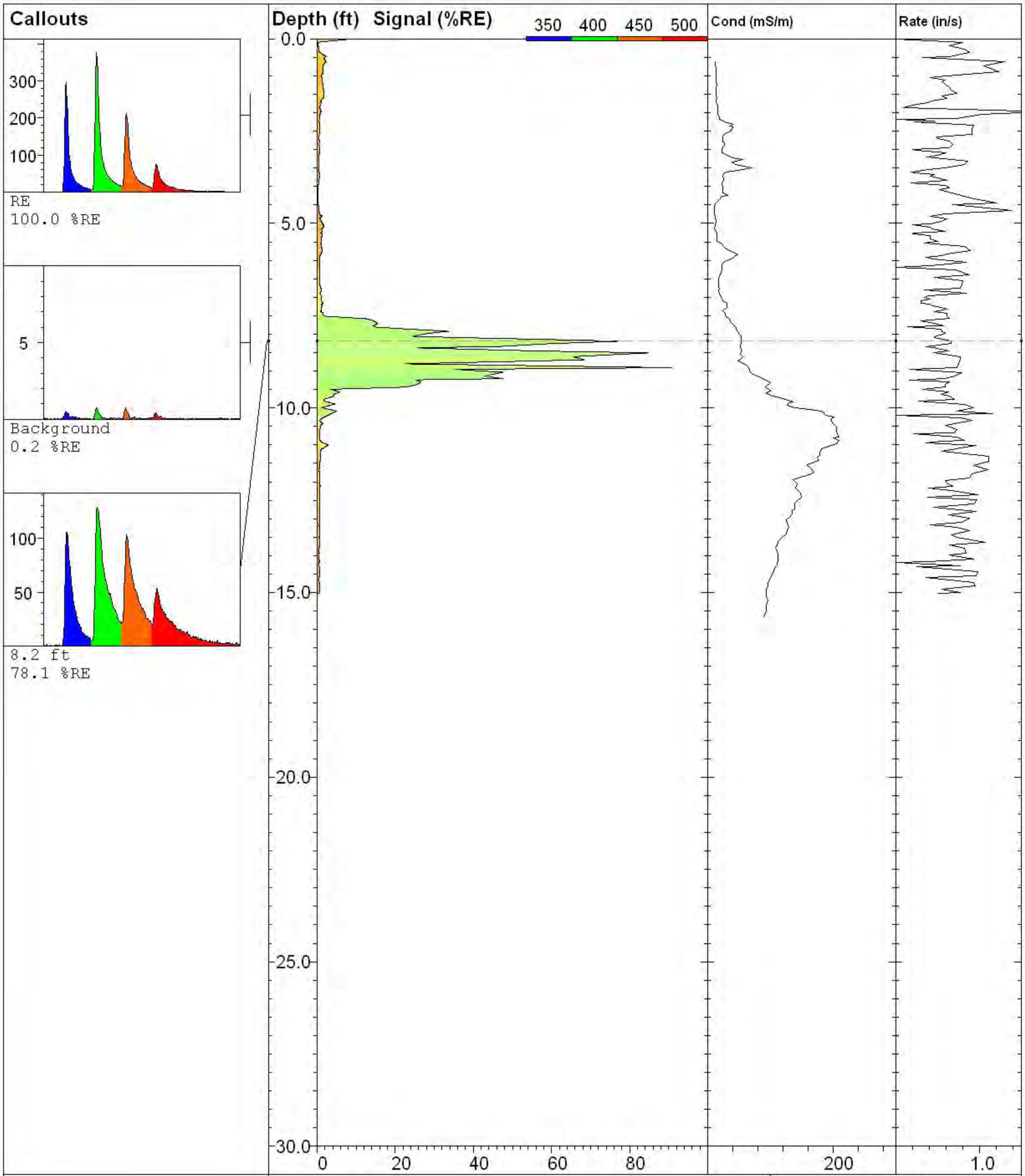
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **13.52 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **397.8 % @ 4.05 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-21 09:00 CST**



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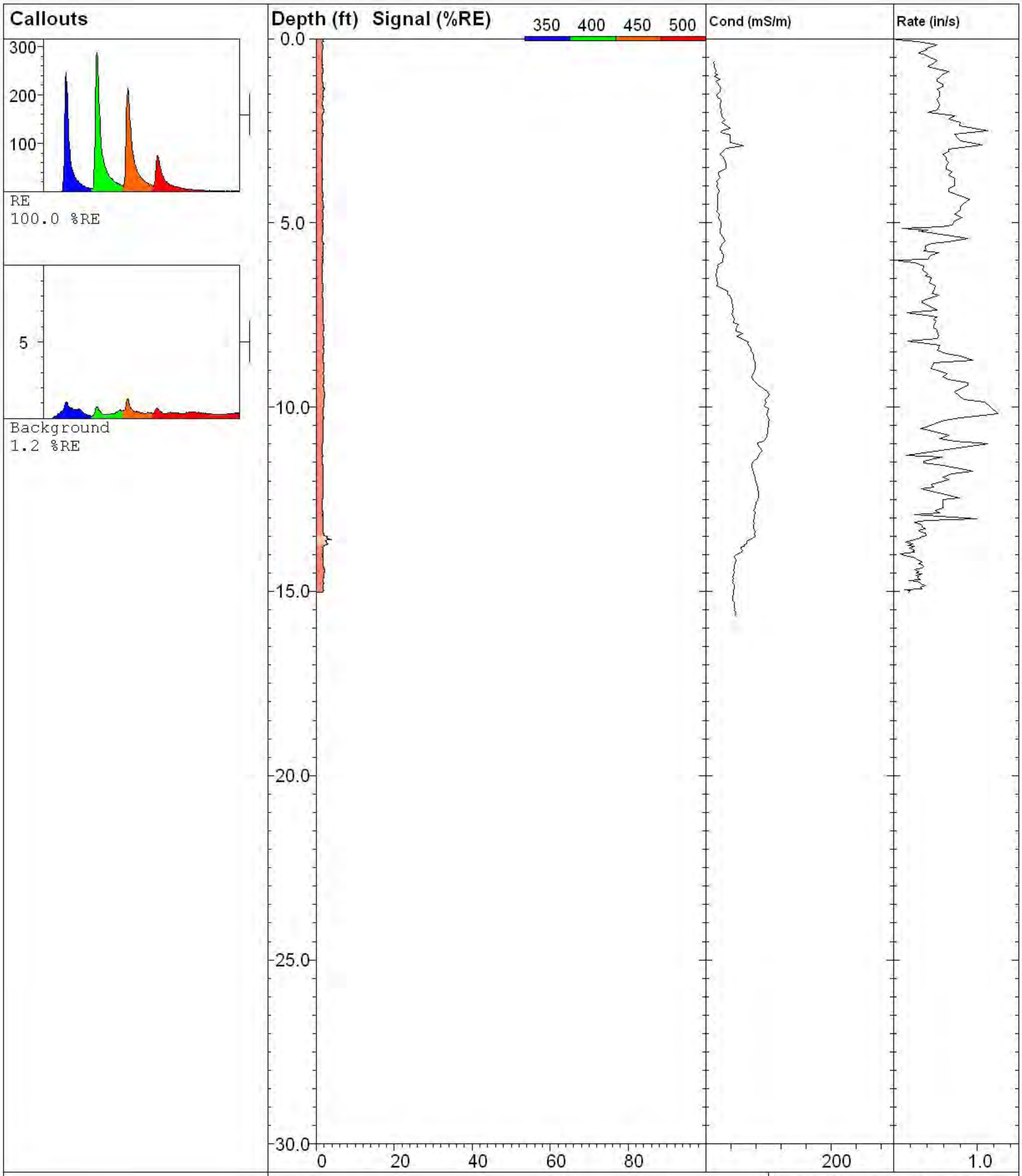
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.03 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **91.3 % @ 8.91 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-21 10:48 CST**



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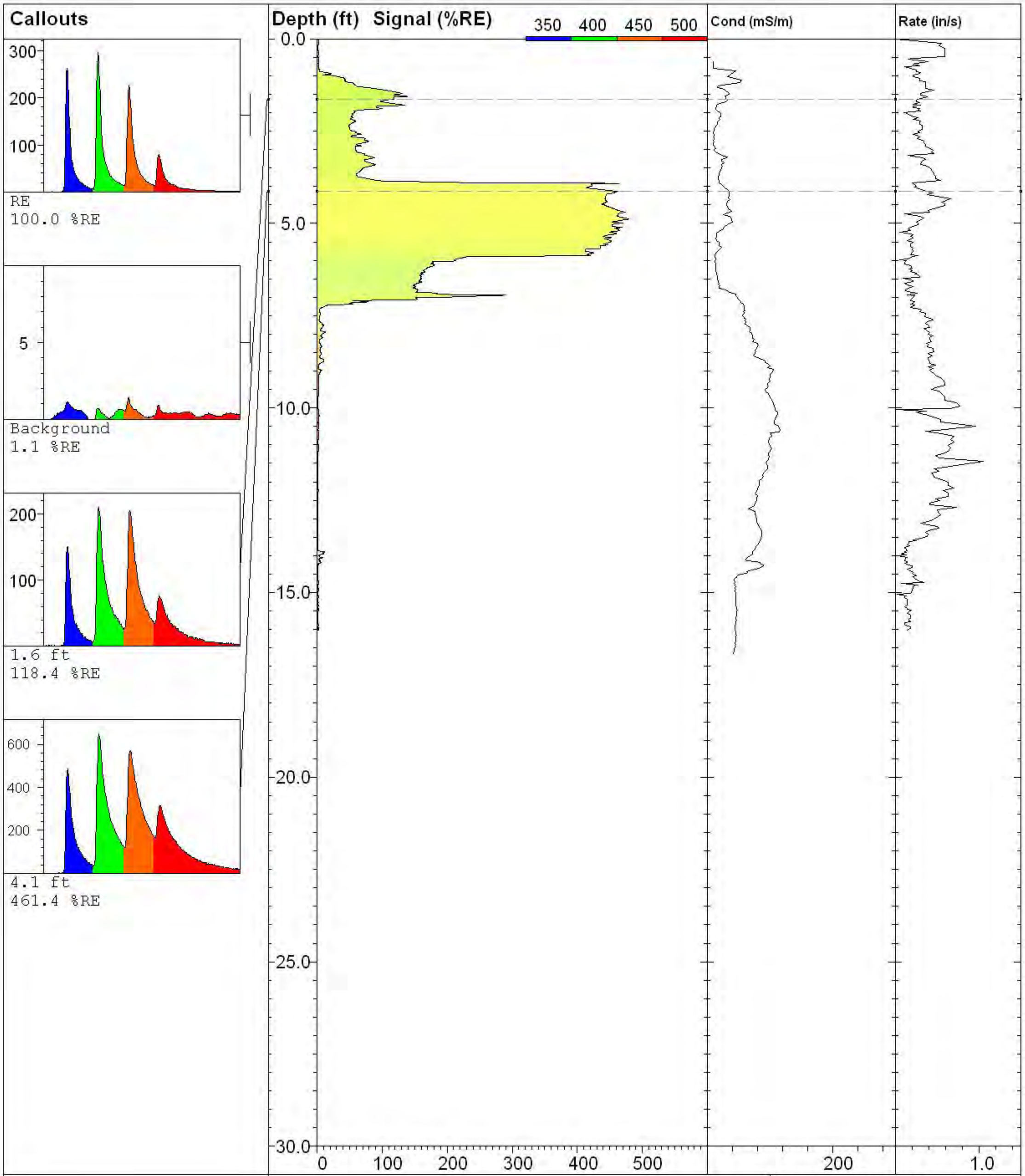
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.02 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.8 % @ 13.59 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-23 16:39 CST**



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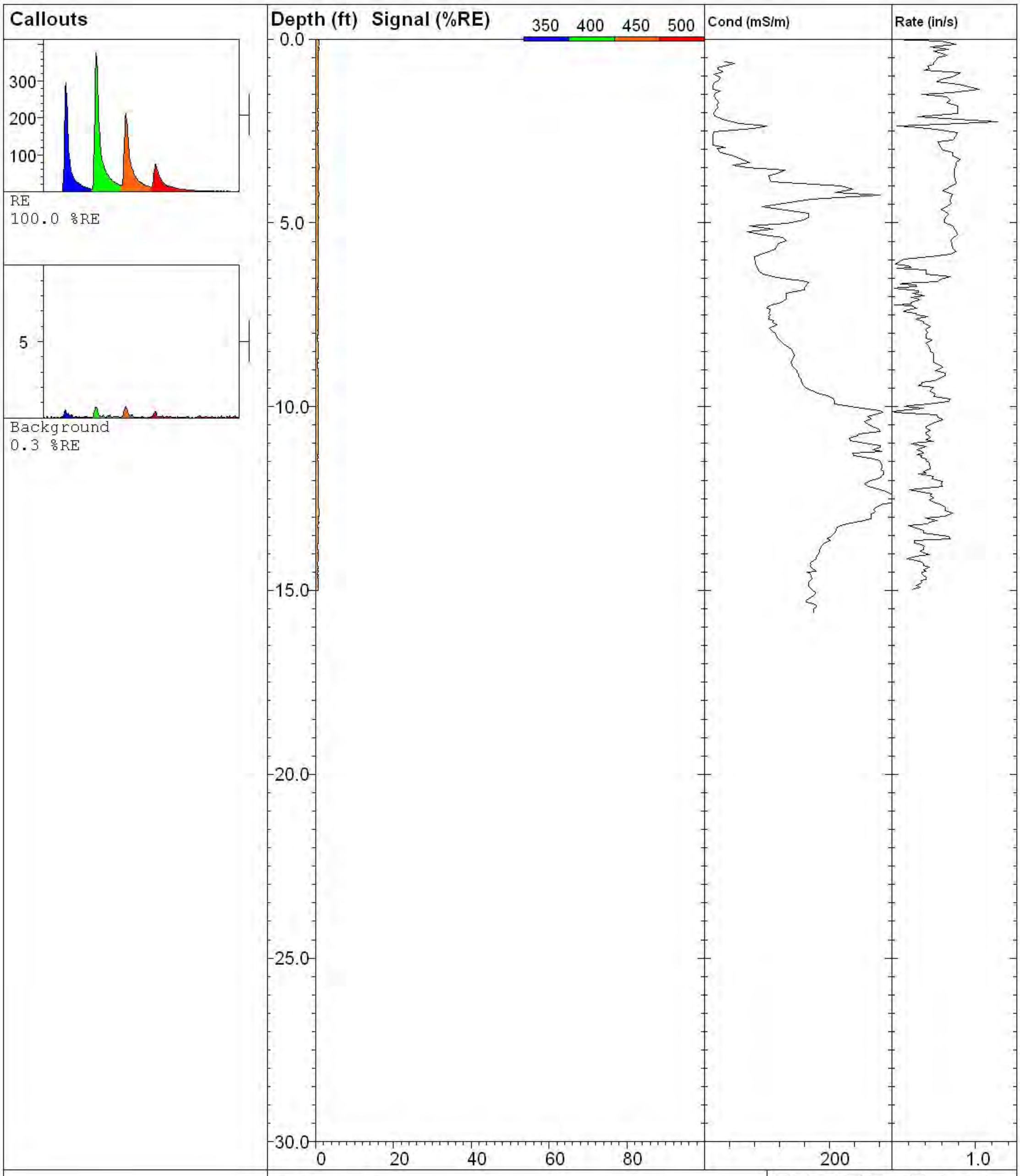
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.03 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **479.8 % @ 4.88 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-25 08:13 CST**



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LIF-016

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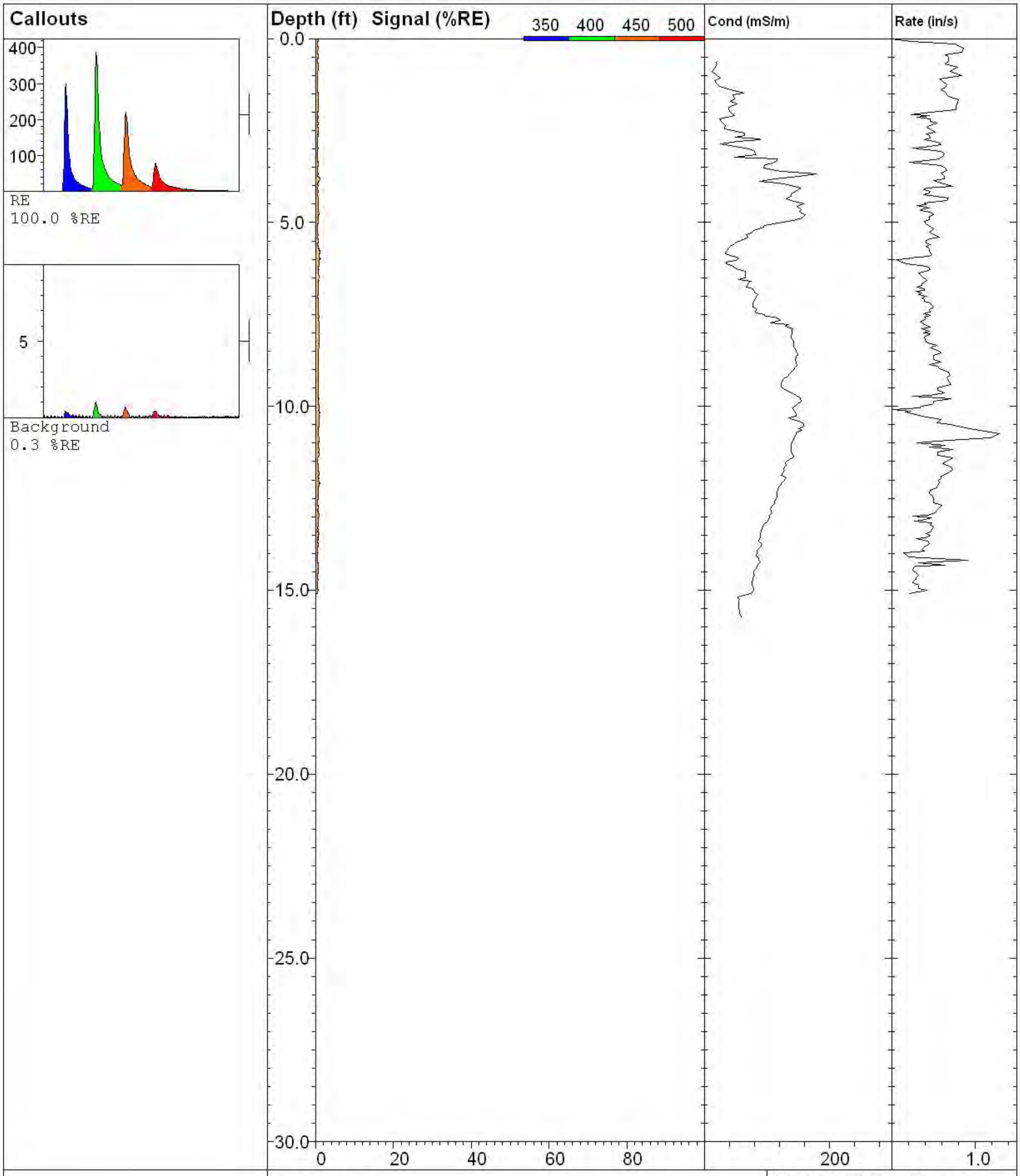
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **14.99 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **0.9 % @ 12.90 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-23 08:49 CST**



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LIF-017

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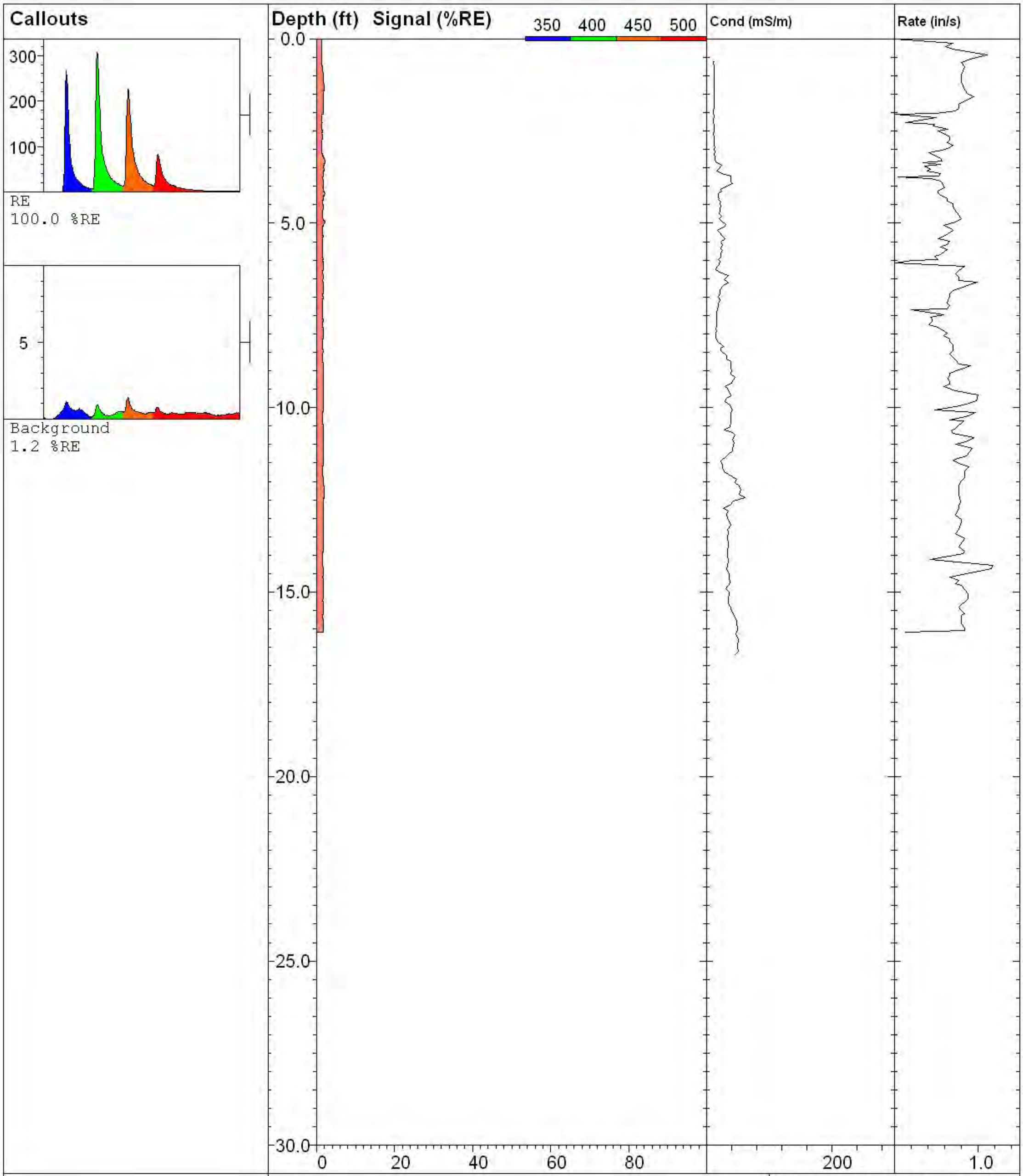
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.09 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.2 % @ 5.99 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-23 08:16 CST**



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LIF-018

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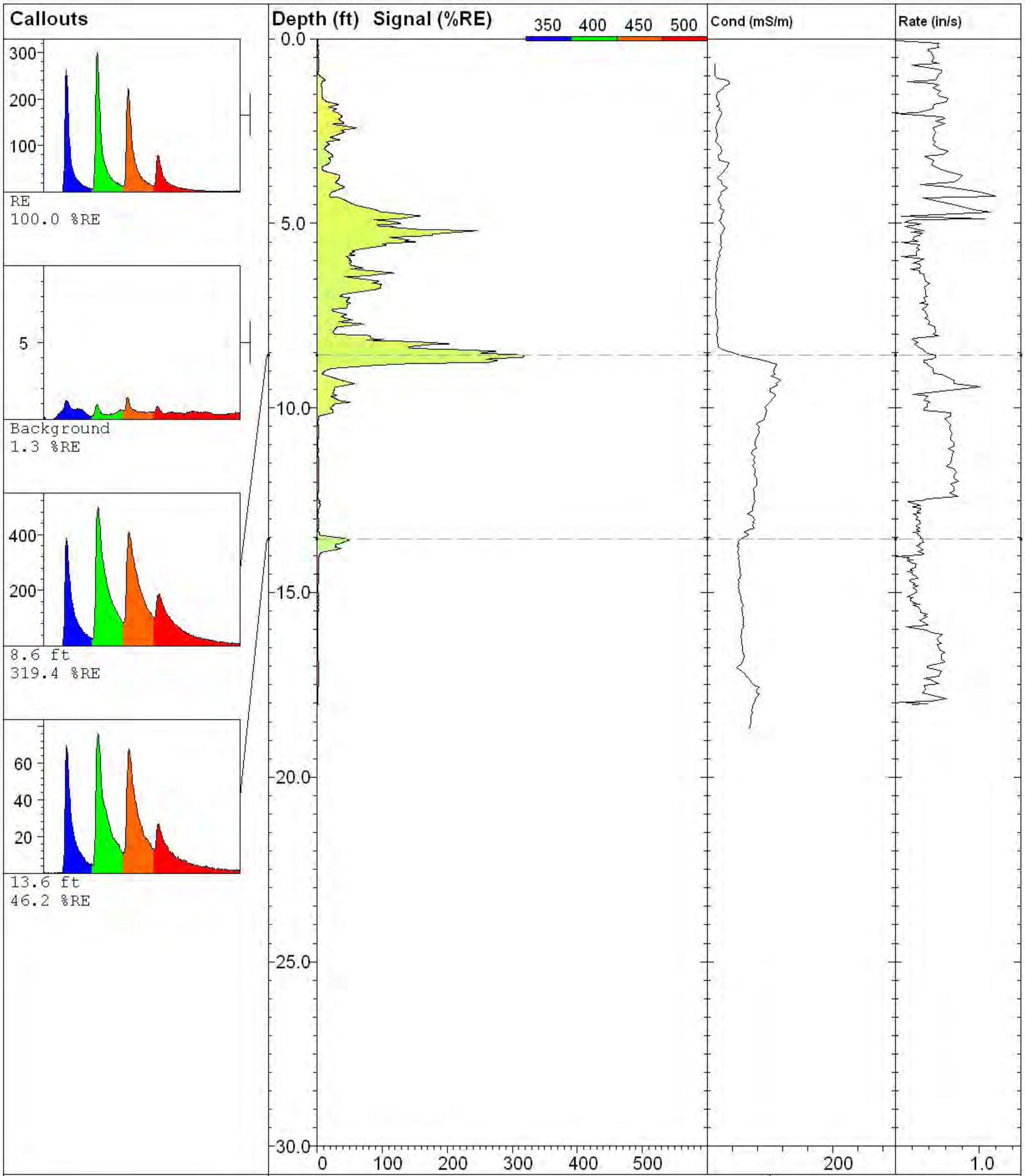
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.08 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.2 % @ 4.96 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-23 13:23 CST**



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LIF-019

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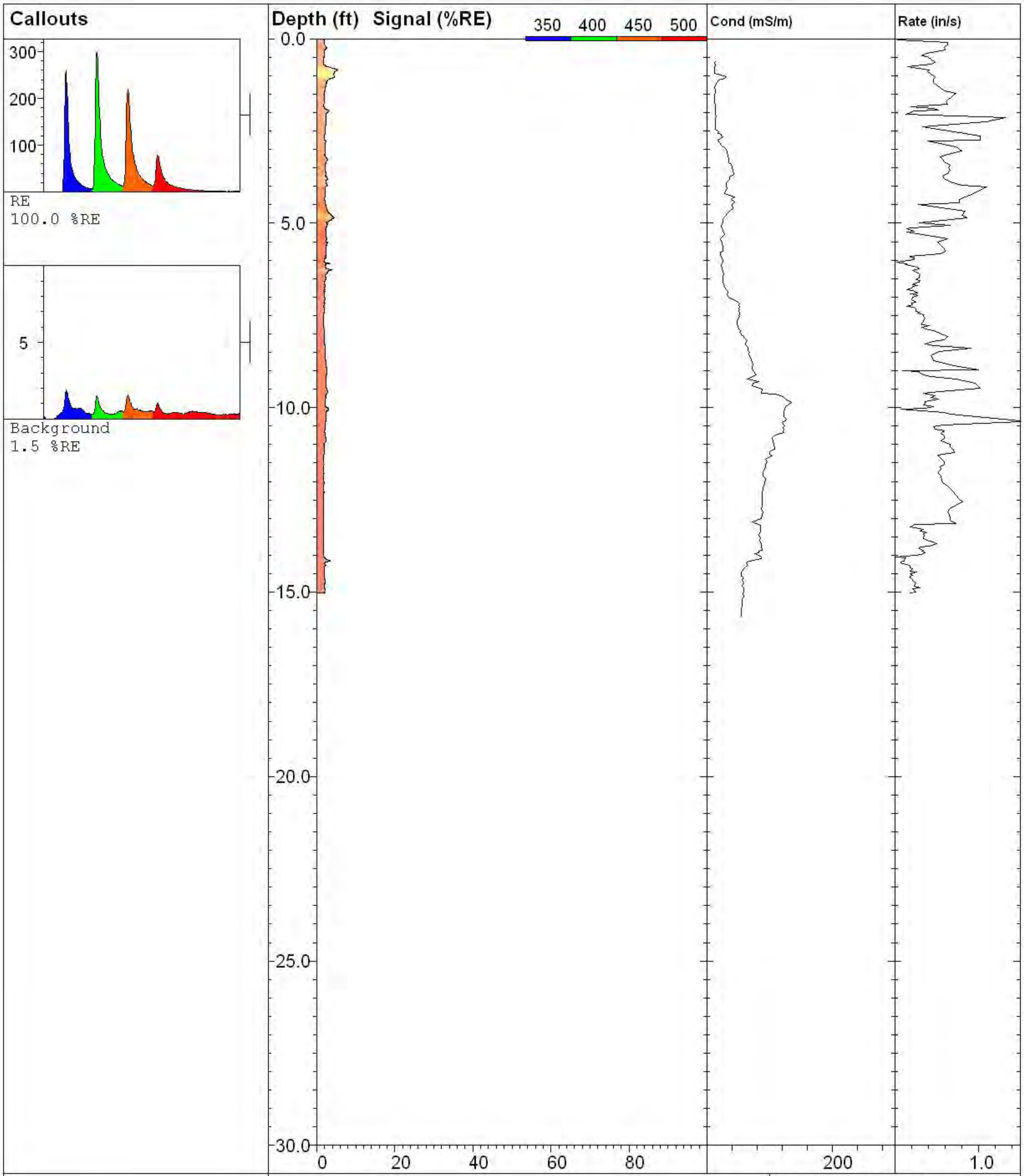
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **18.04 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **319.4 % @ 8.57 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-23 14:40 CST**



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LIF-020

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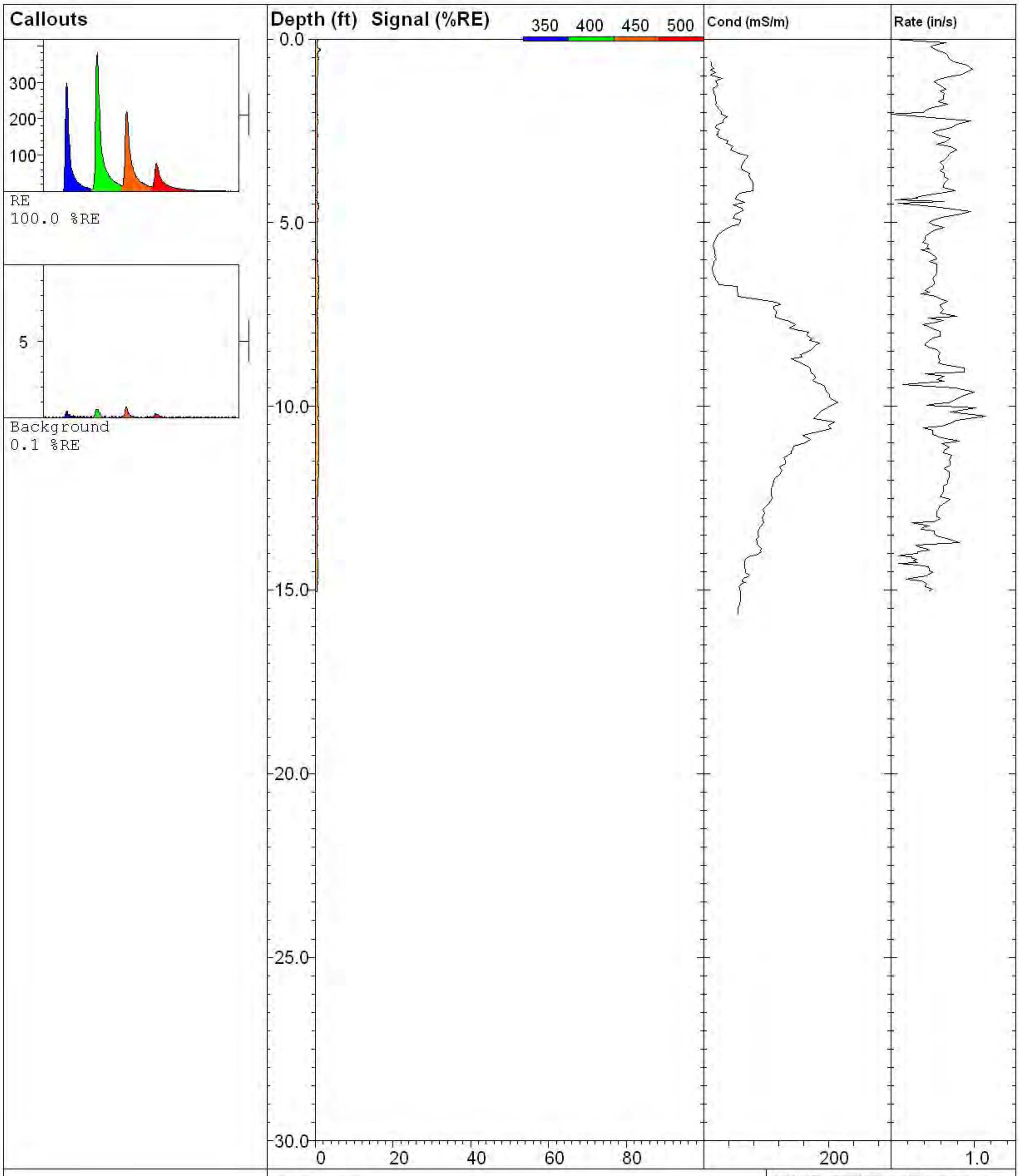
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.02 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **5.4 % @ 0.84 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-23 15:29 CST**



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LIF-021

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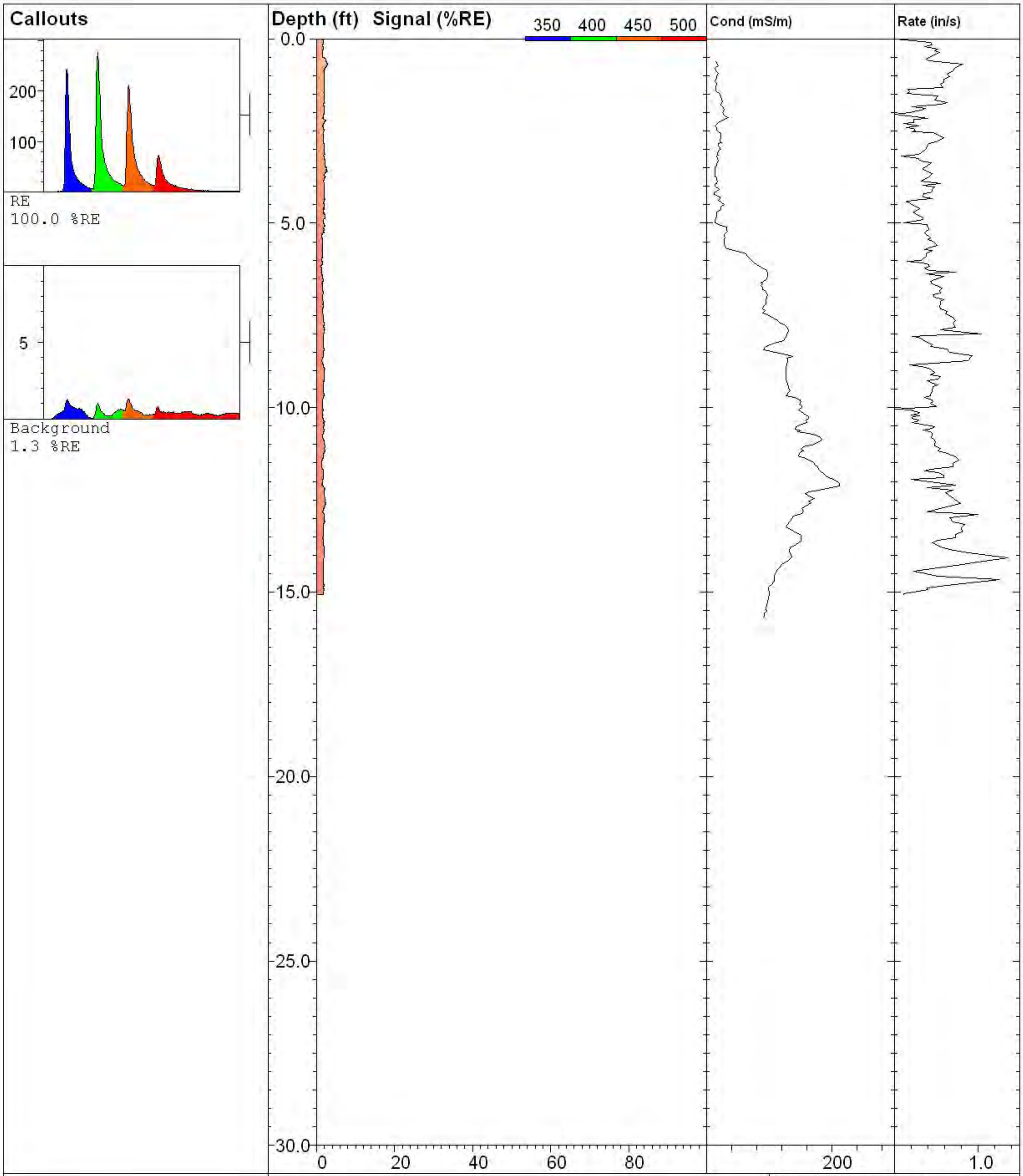
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.04 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.3 % @ 0.30 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-25 08:52 CST**



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LIF-022

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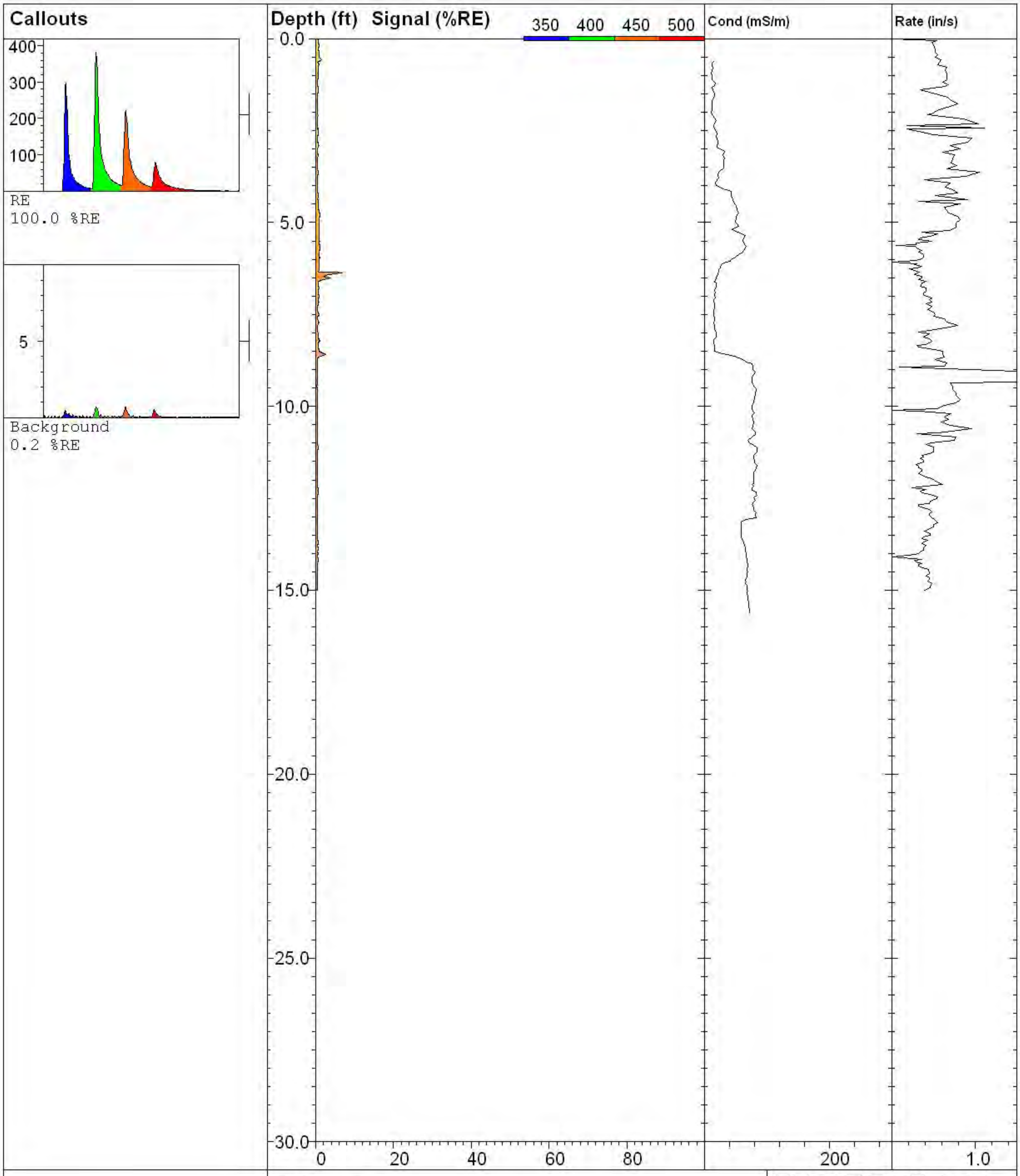
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.06 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.8 % @ 0.70 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-25 09:05 CST**



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LIF-023

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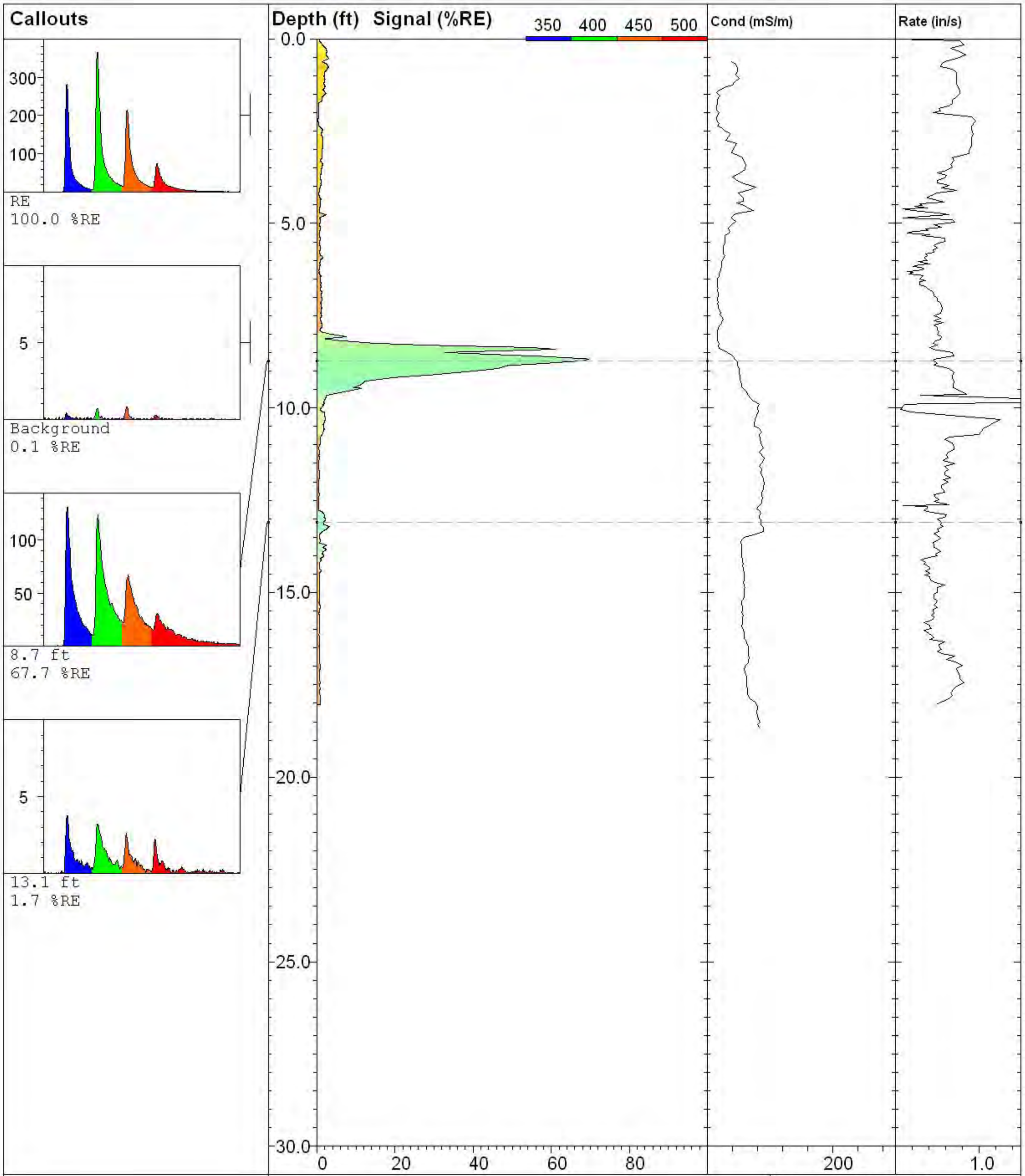
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **14.99 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **6.9 % @ 6.36 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-23 12:22 CST**



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LIF-024

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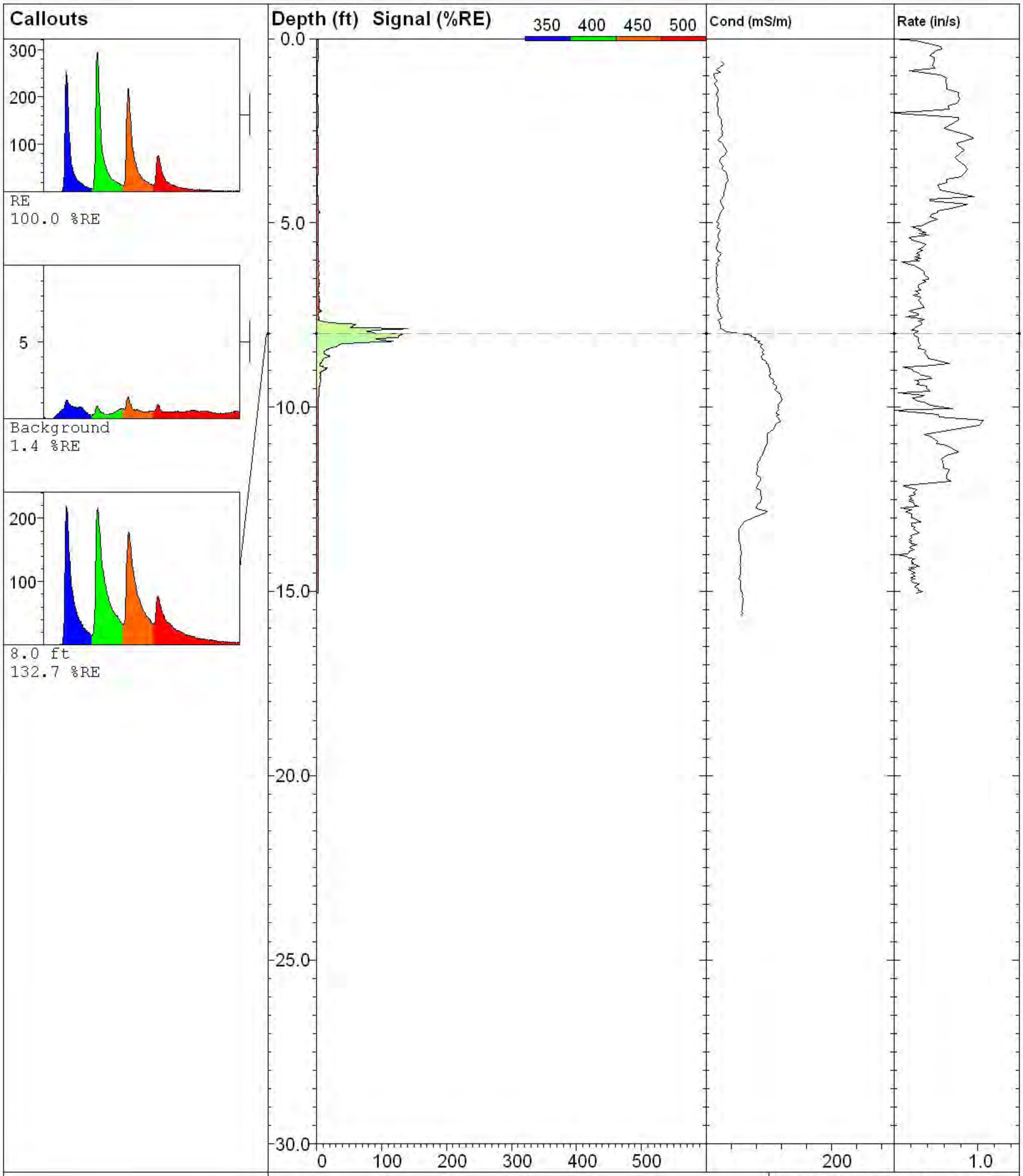
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **18.03 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **69.7 % @ 8.67 ft**
Job:	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-23 16:00 CST**



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LIF-025

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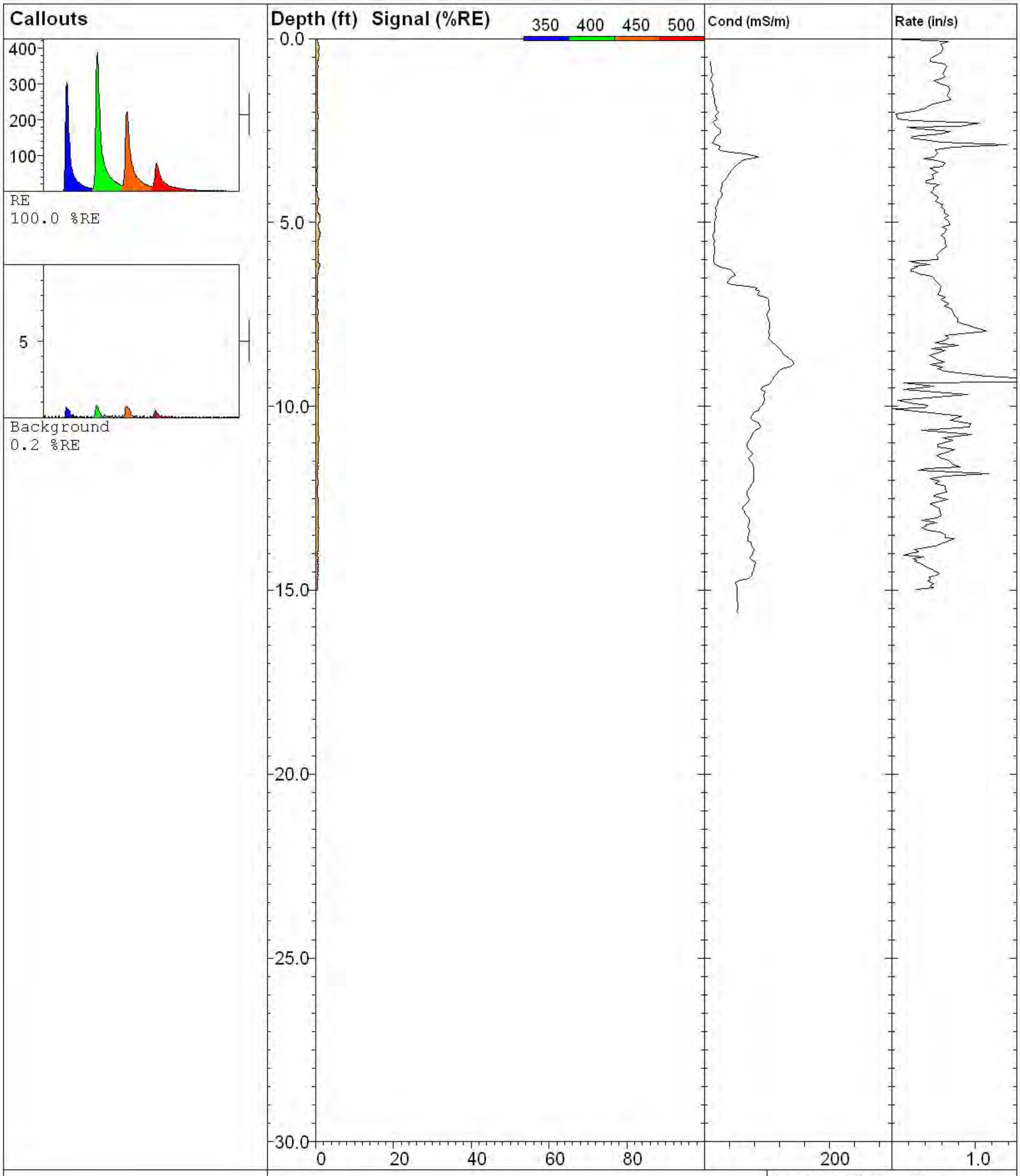
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.04 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **141.2 % @ 7.87 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-23 16:09 CST**



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LIF-026

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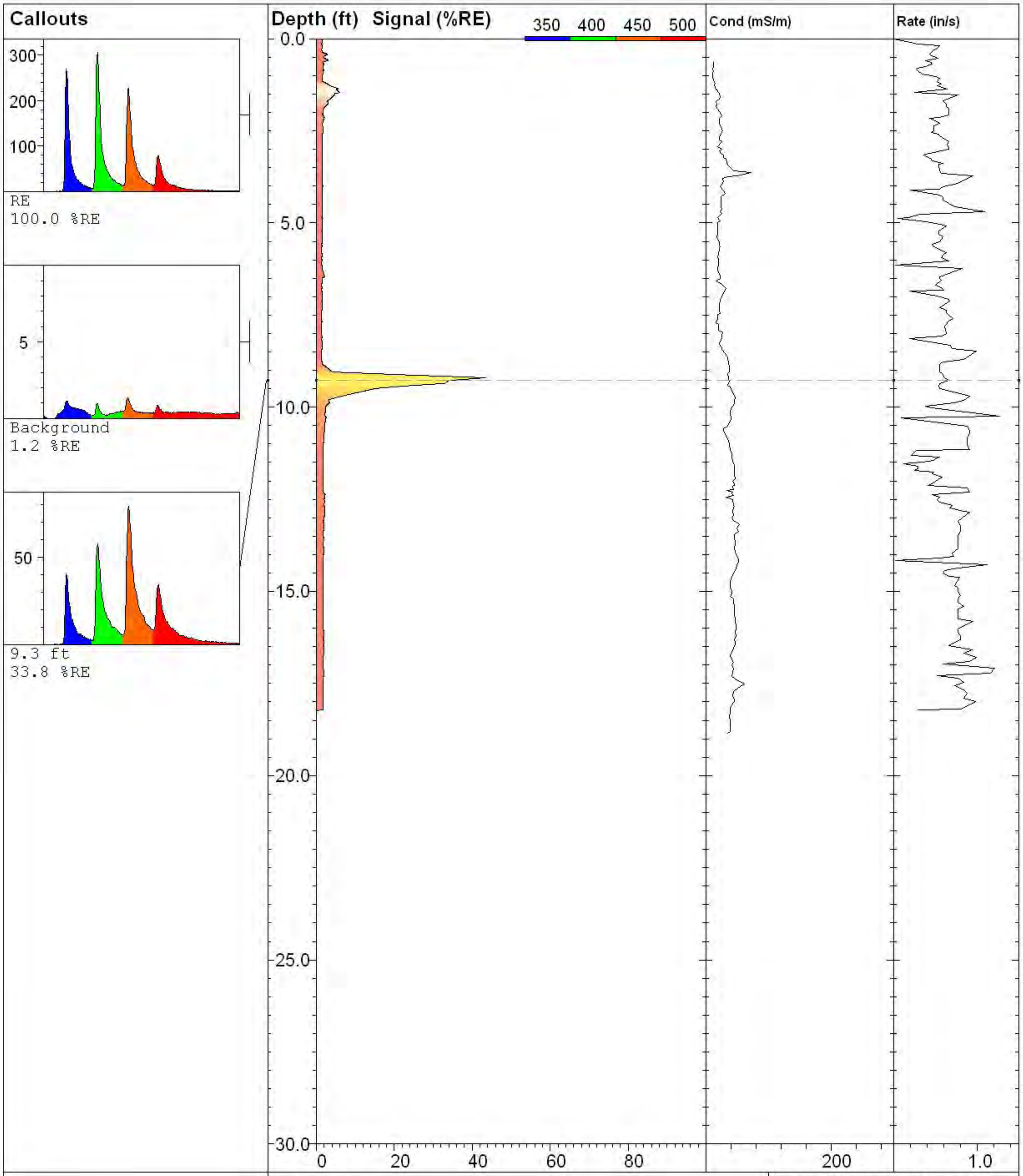
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.2 % @ 5.28 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-25 08:16 CST**



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LIF-027

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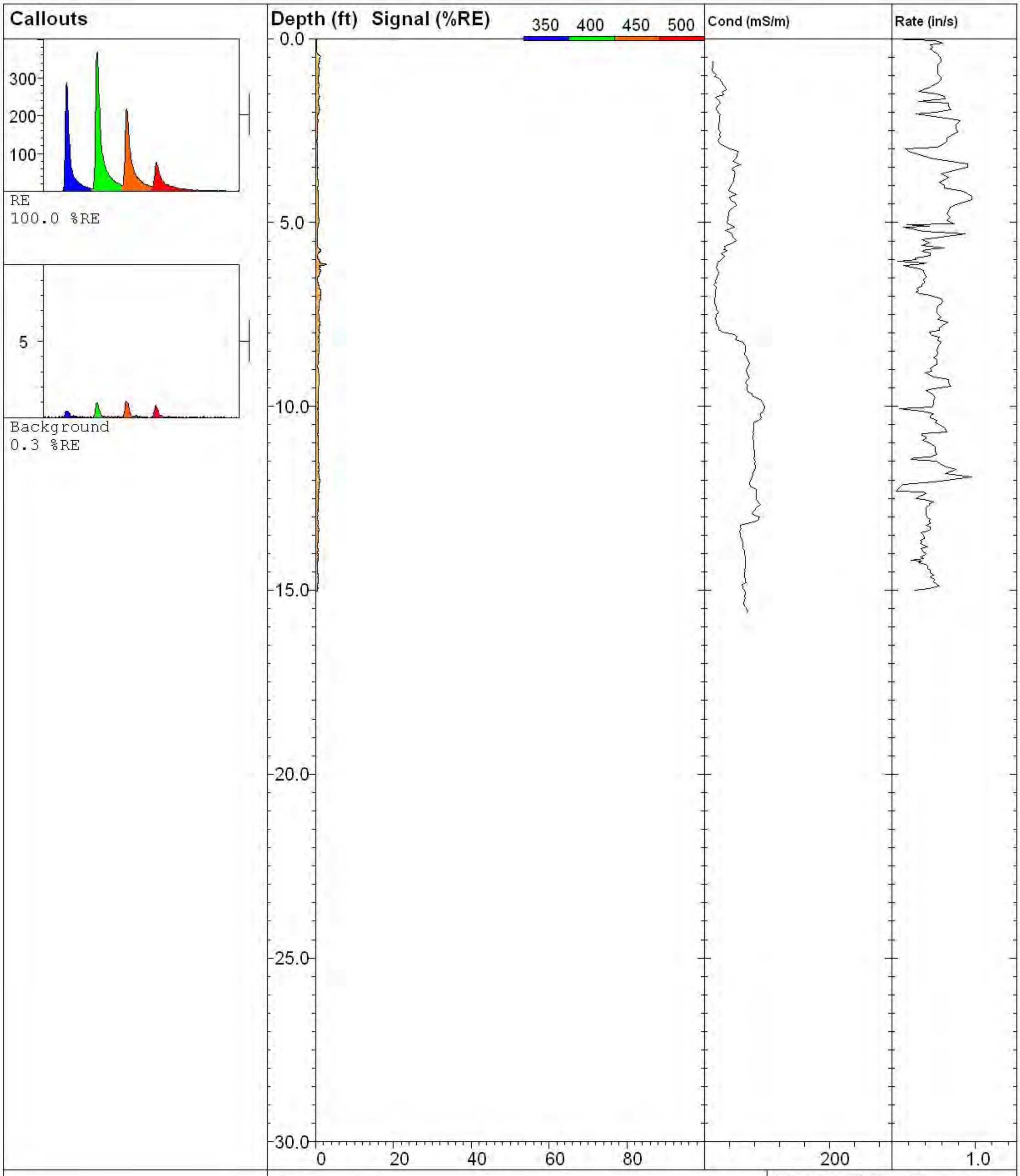
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **18.23 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **43.6 % @ 9.20 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-22 14:08 CST**



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LIF-028

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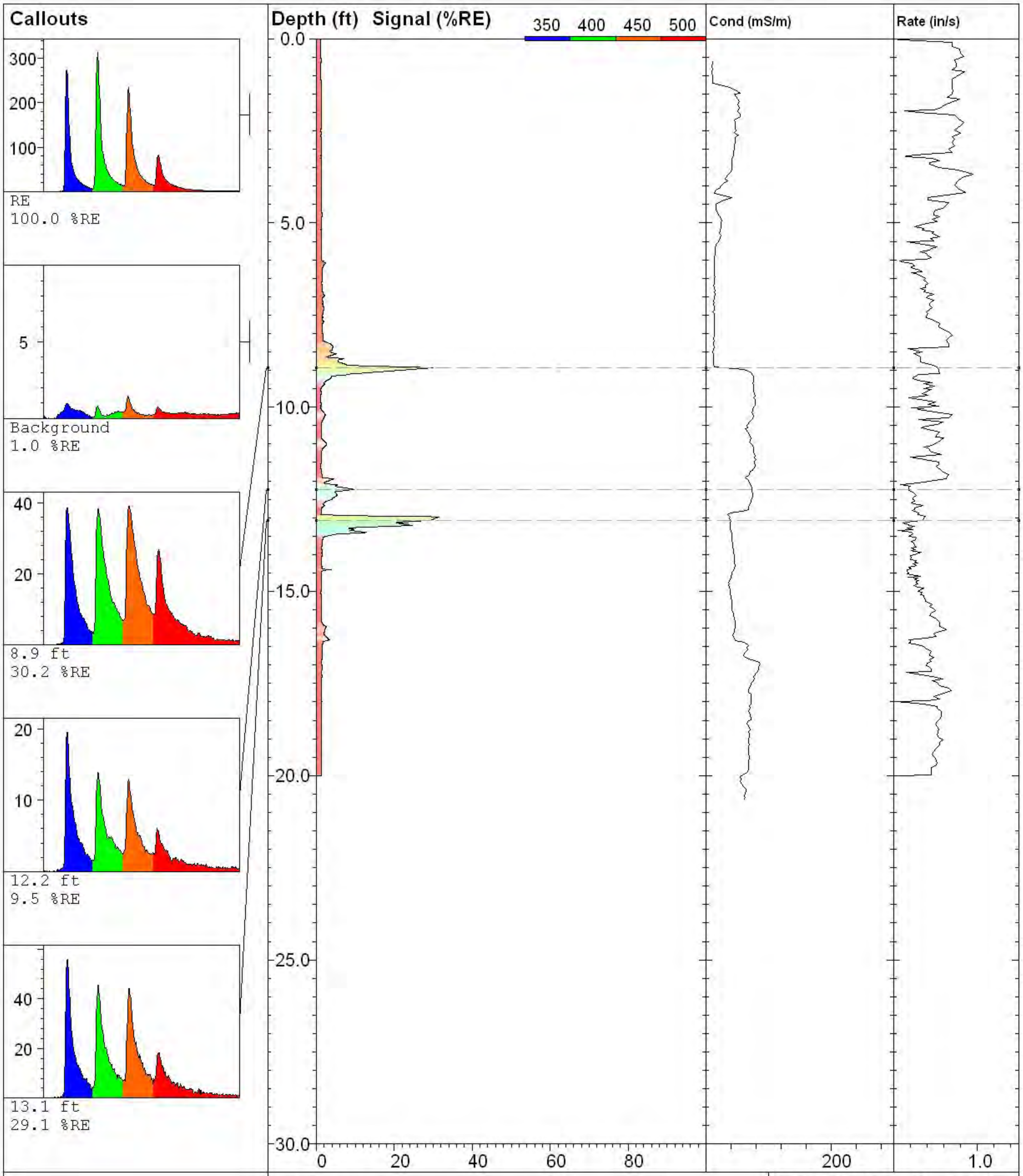
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.9 % @ 6.14 ft**
Job:	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-23 16:33 CST**



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LIF-029

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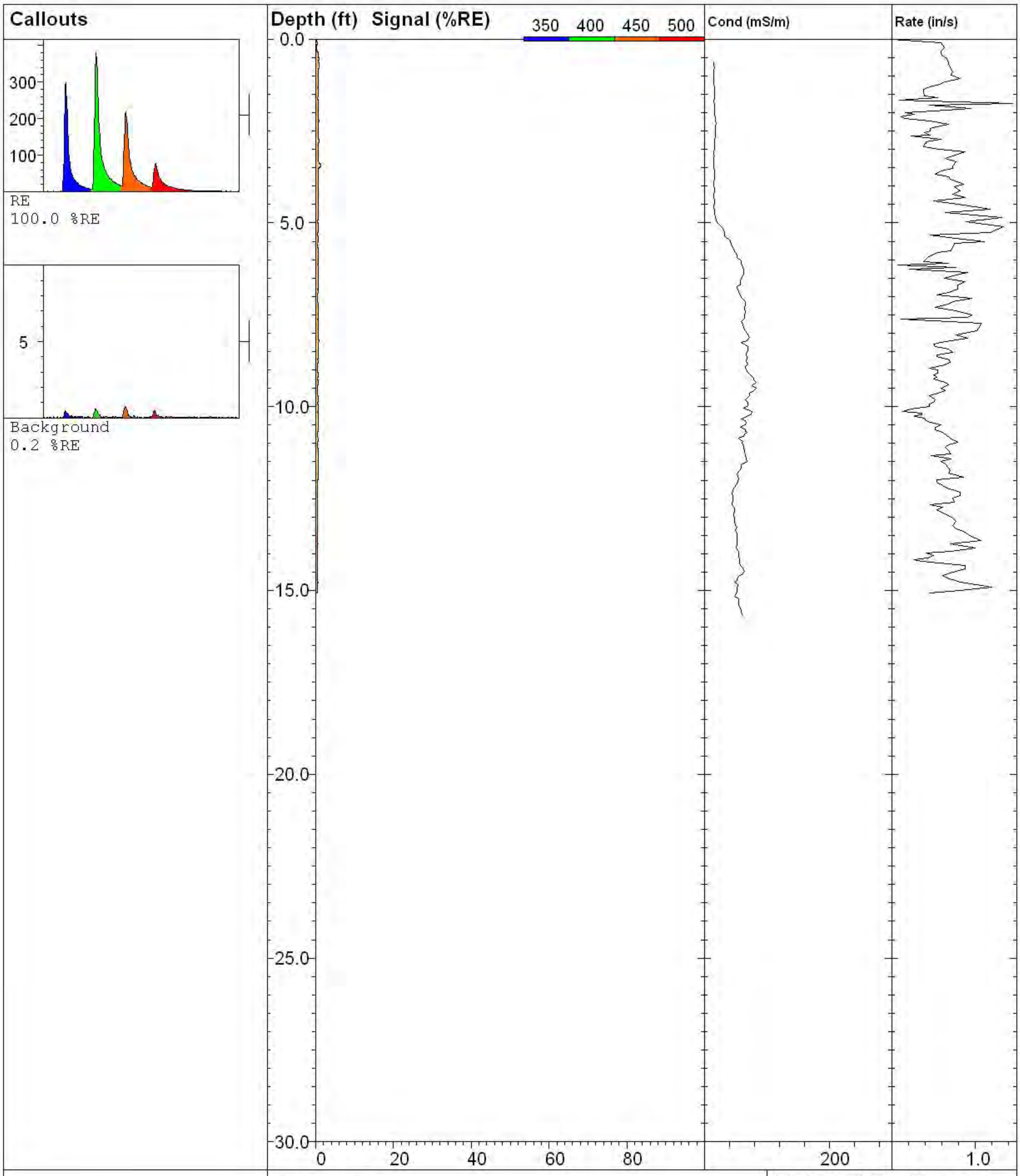
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **20.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **31.5 % @ 12.97 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-22 10:06 CST**



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LIF-030

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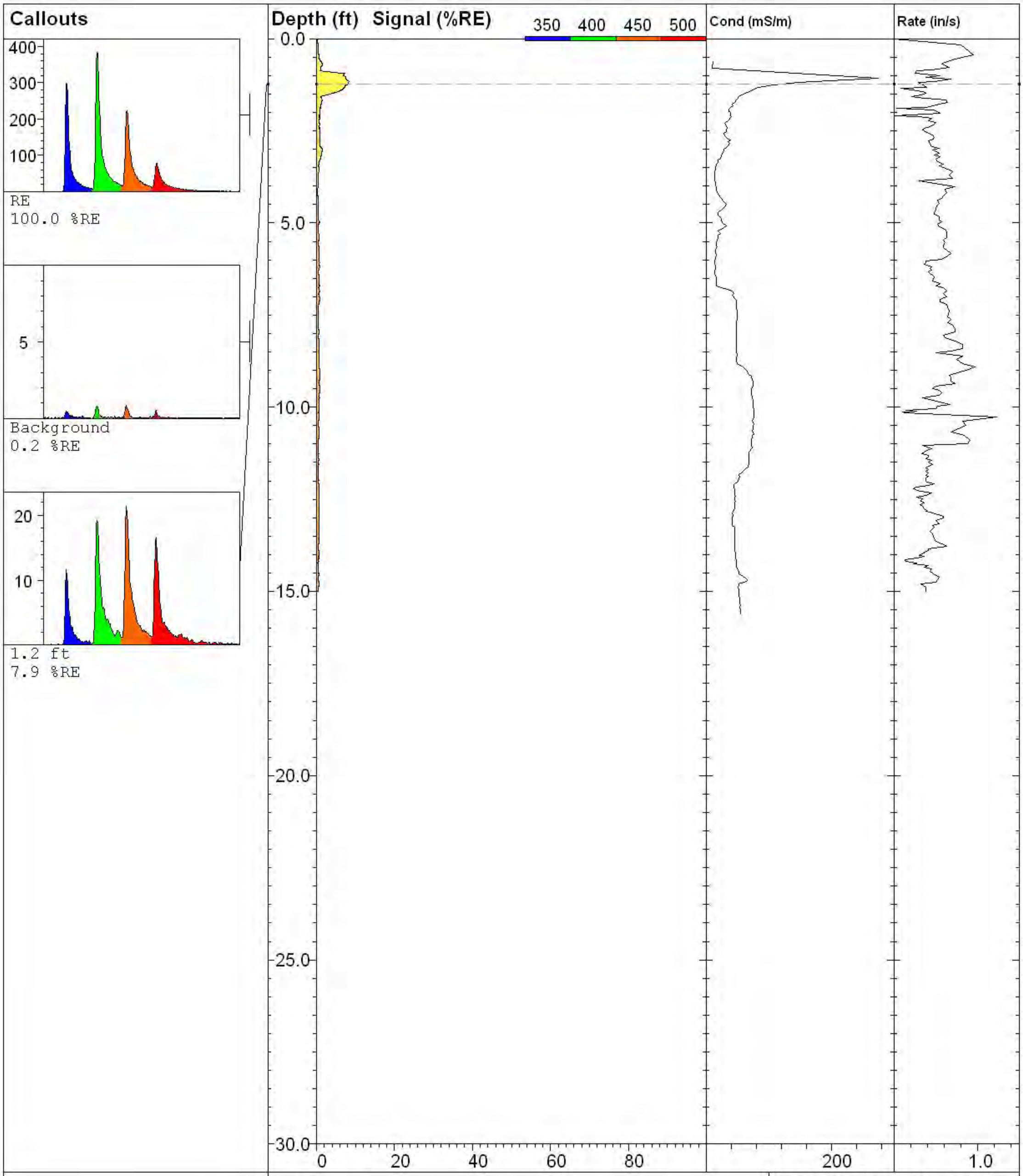
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.06 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.4 % @ 3.44 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-22 11:24 CST**



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LIF-031

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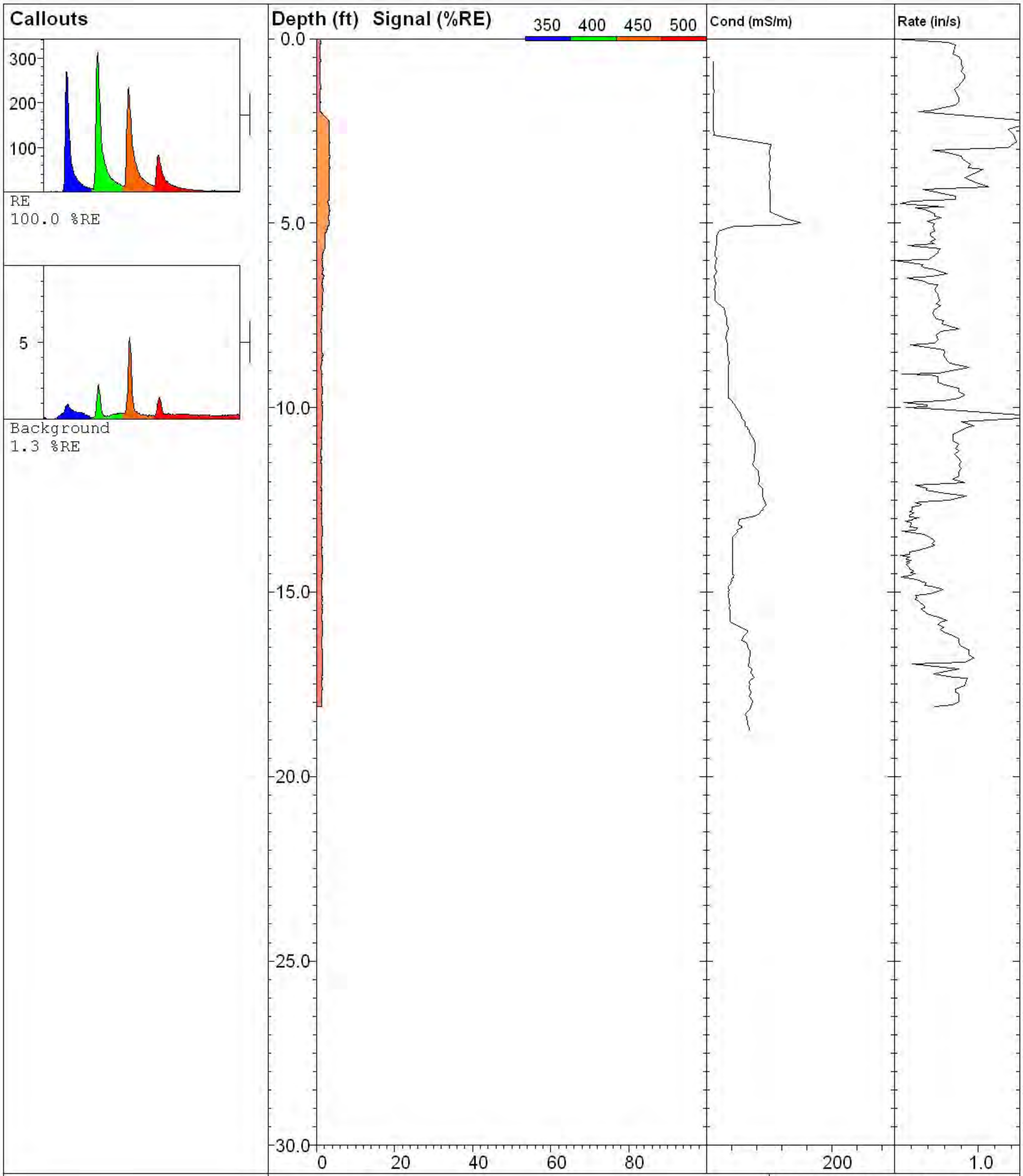
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **8.3 % @ 1.16 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-22 10:39 CST**



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LIF-032

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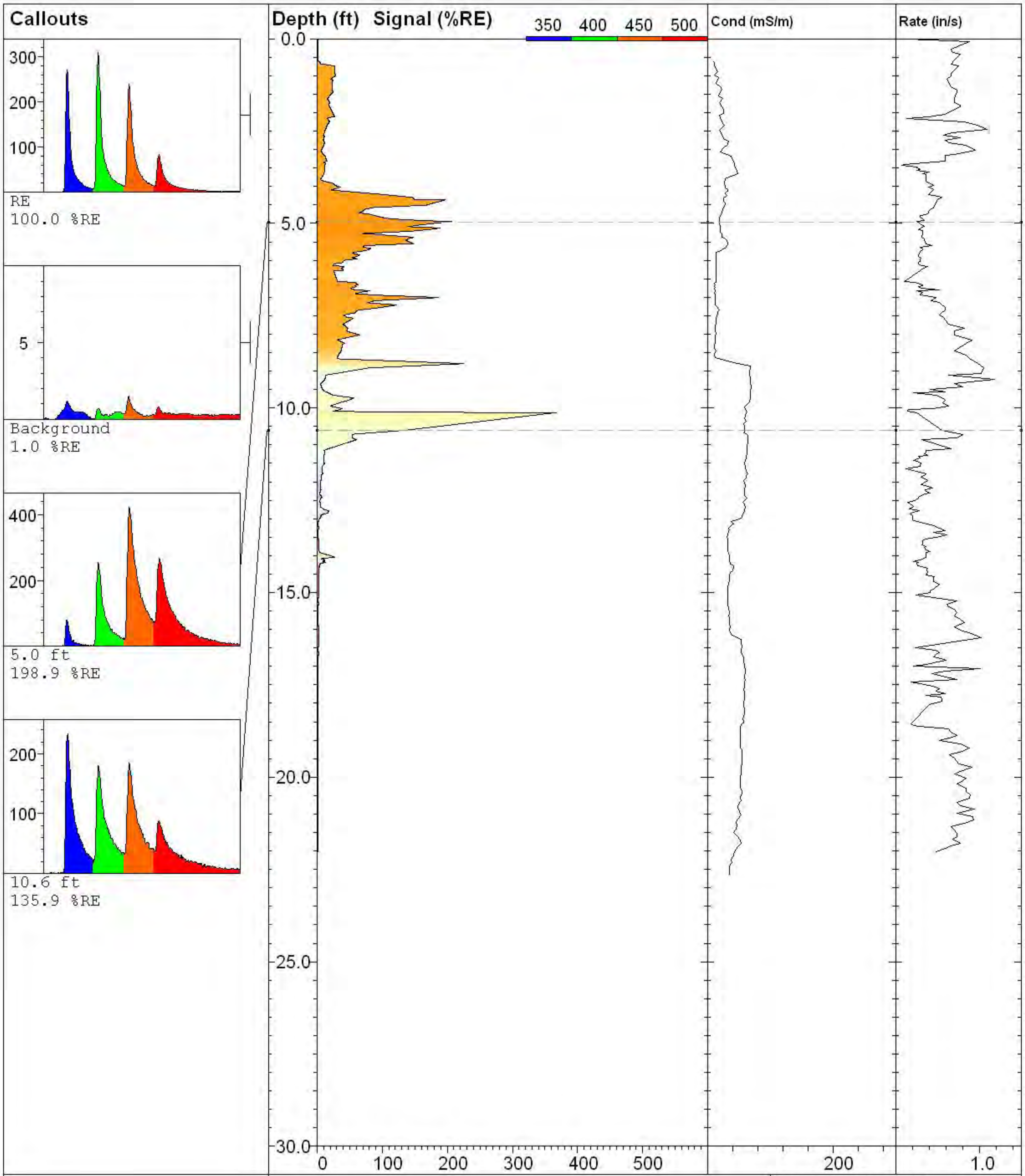
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **18.11 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.3 % @ 3.18 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-22 10:37 CST**



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LIF-033

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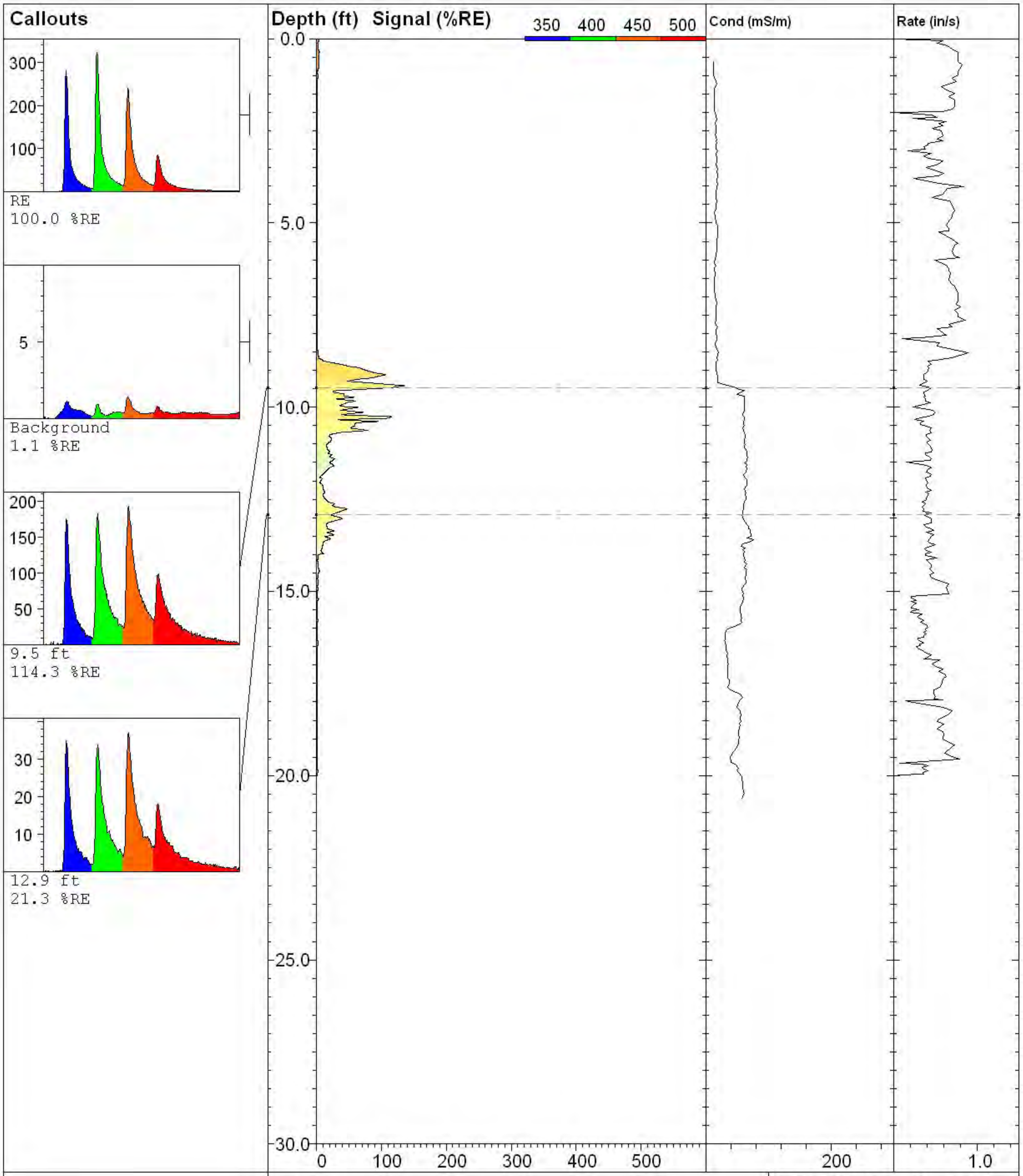
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **22.03 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **367.8 % @ 10.12 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-21 13:18 CST**



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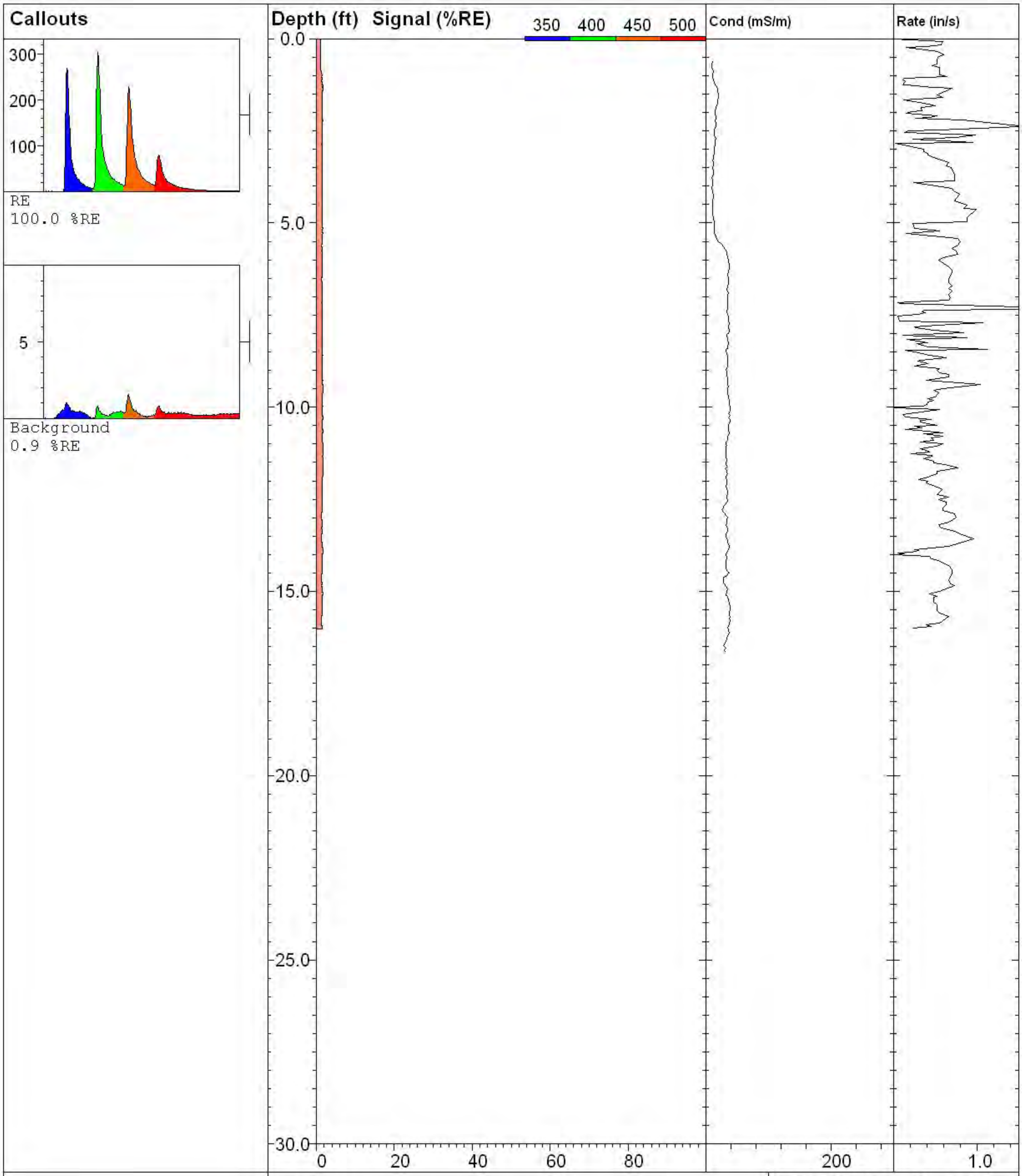
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **20.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **135.3 % @ 9.42 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-21 16:29 CST**



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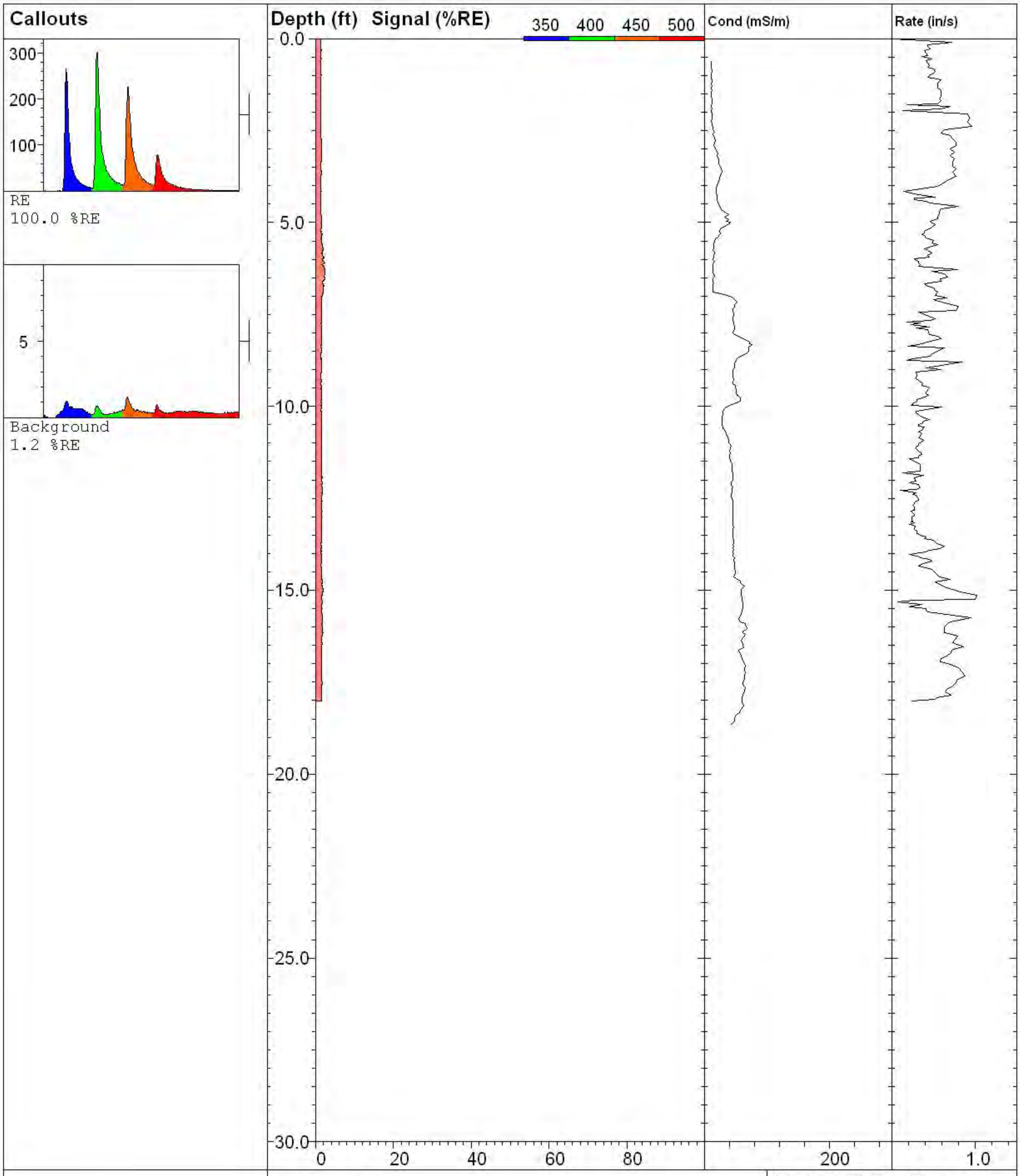
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.01 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.7 % @ 11.80 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-22 08:48 CST**



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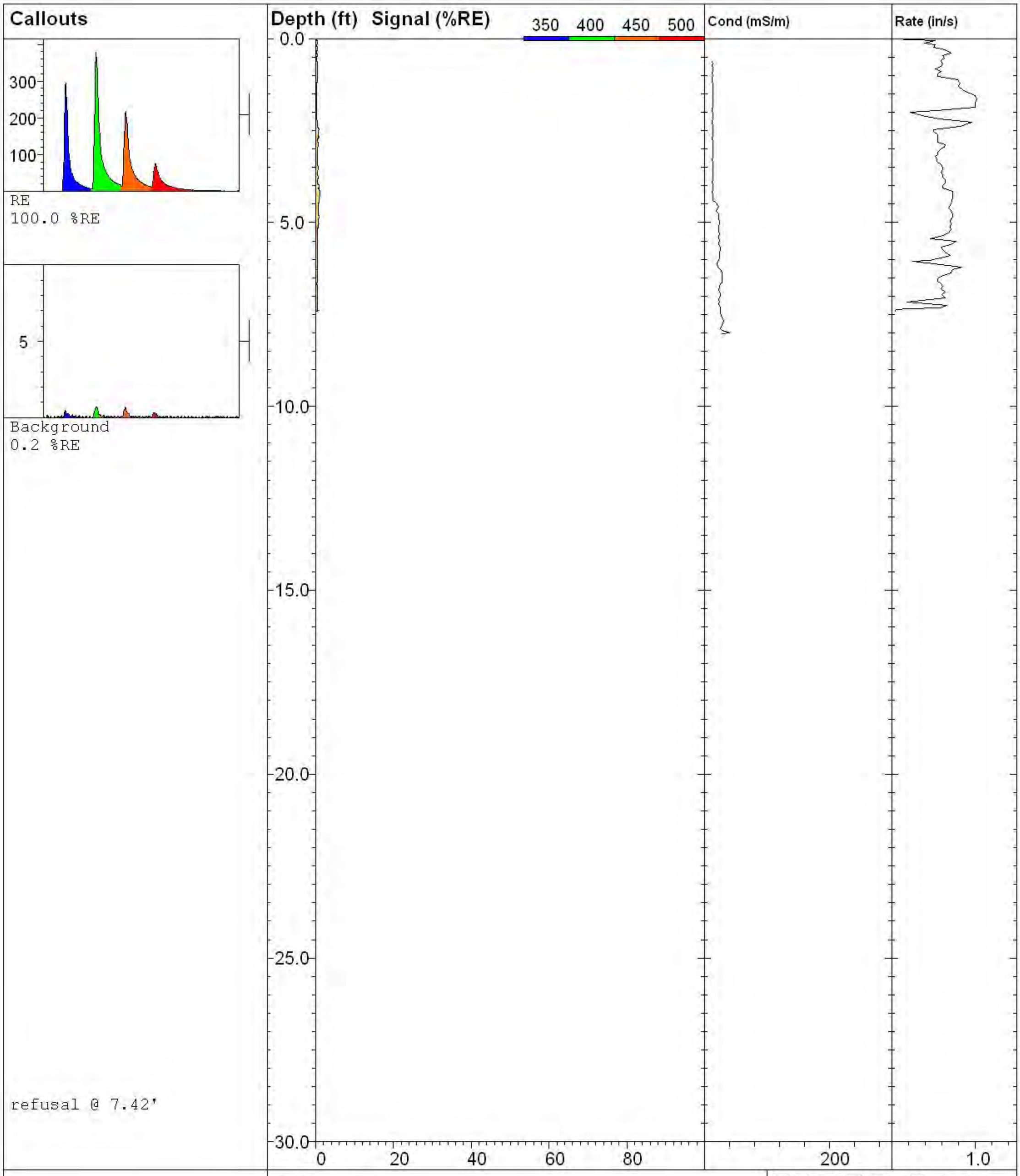
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **18.02 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.4 % @ 6.33 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-22 14:43 CST**



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LIF-037

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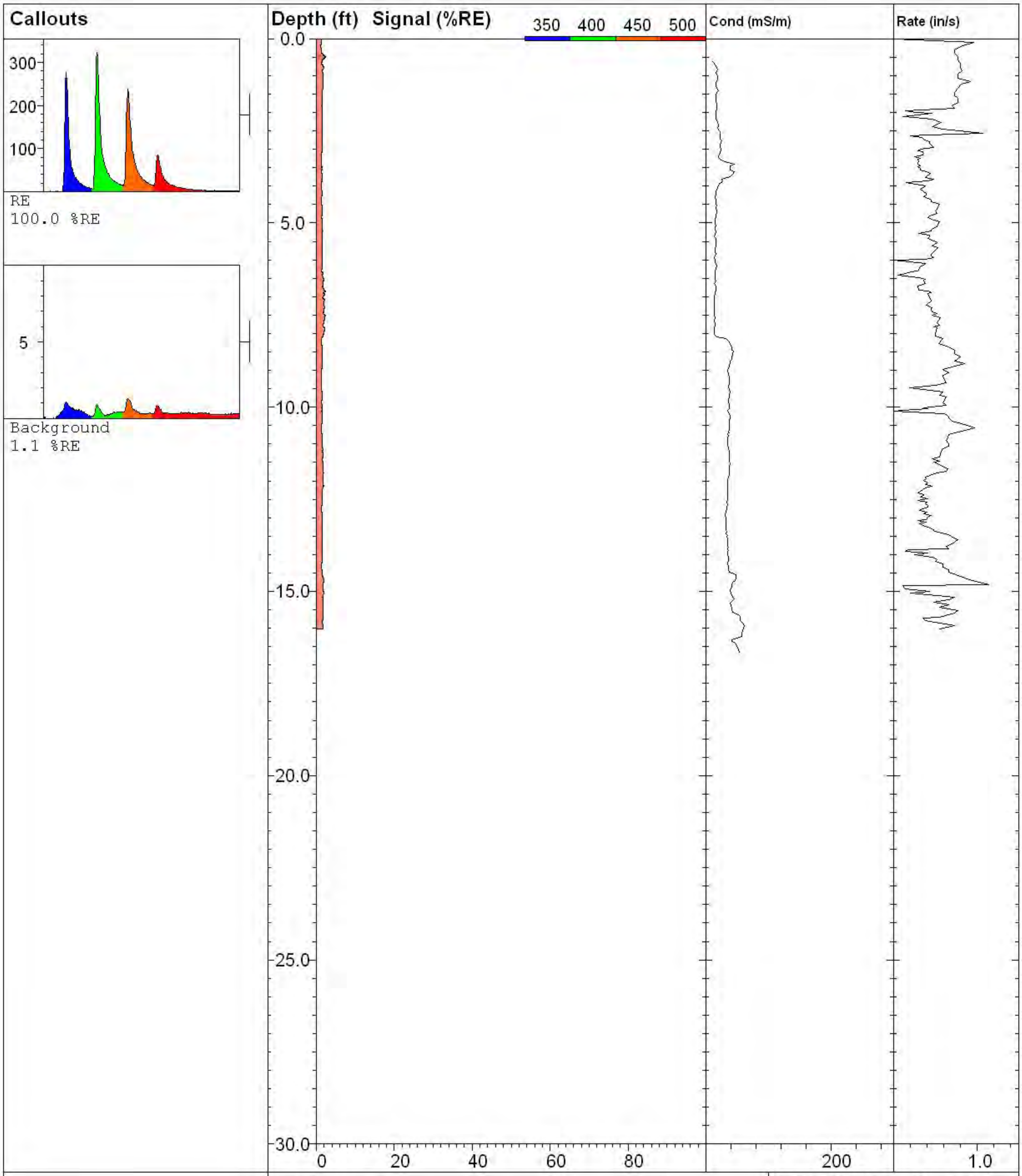
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **7.42 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.1 % @ 4.25 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-22 14:21 CST**



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LIF-039

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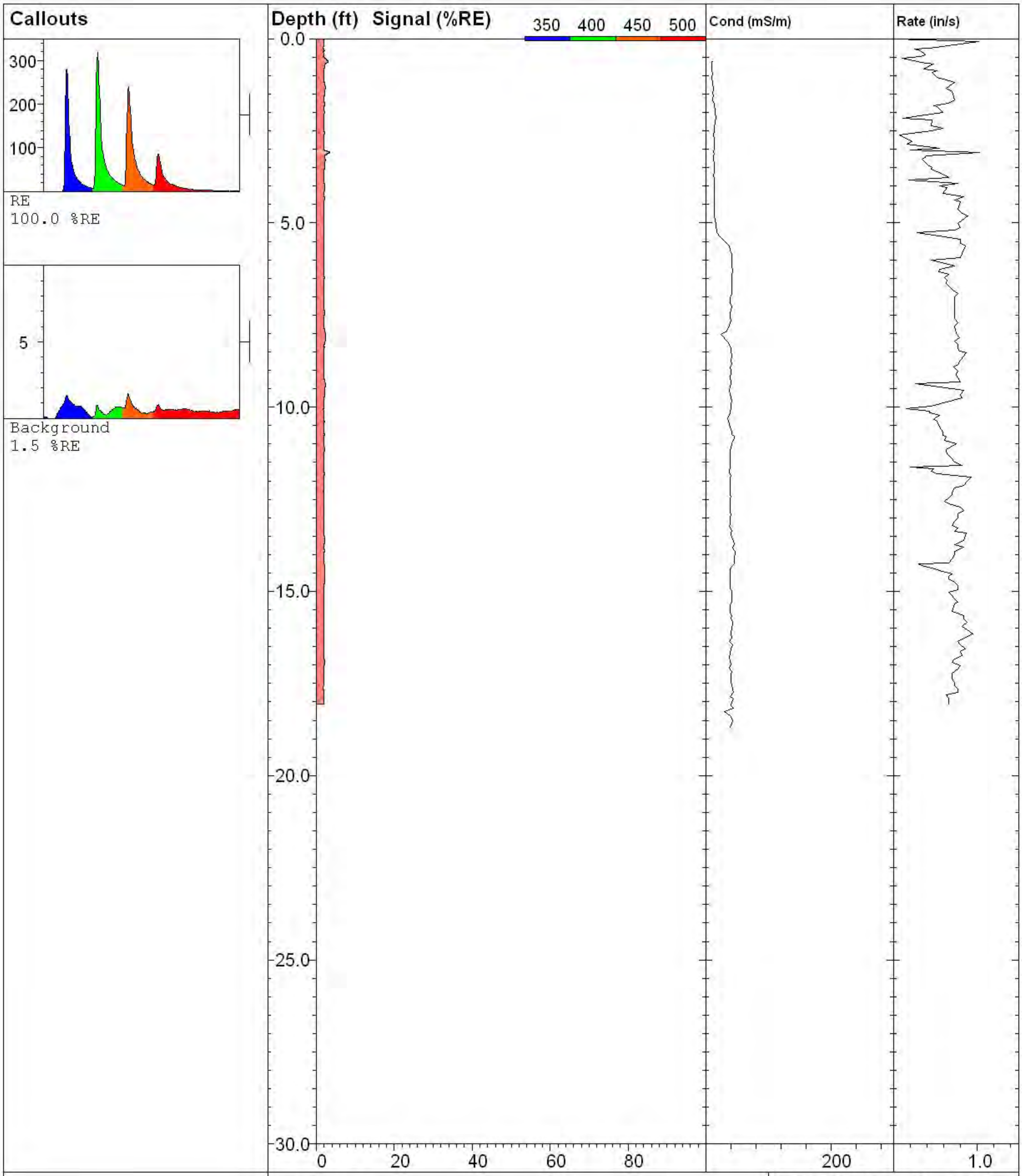
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.02 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.4 % @ 6.85 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-21 17:04 CST**



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LIF-040

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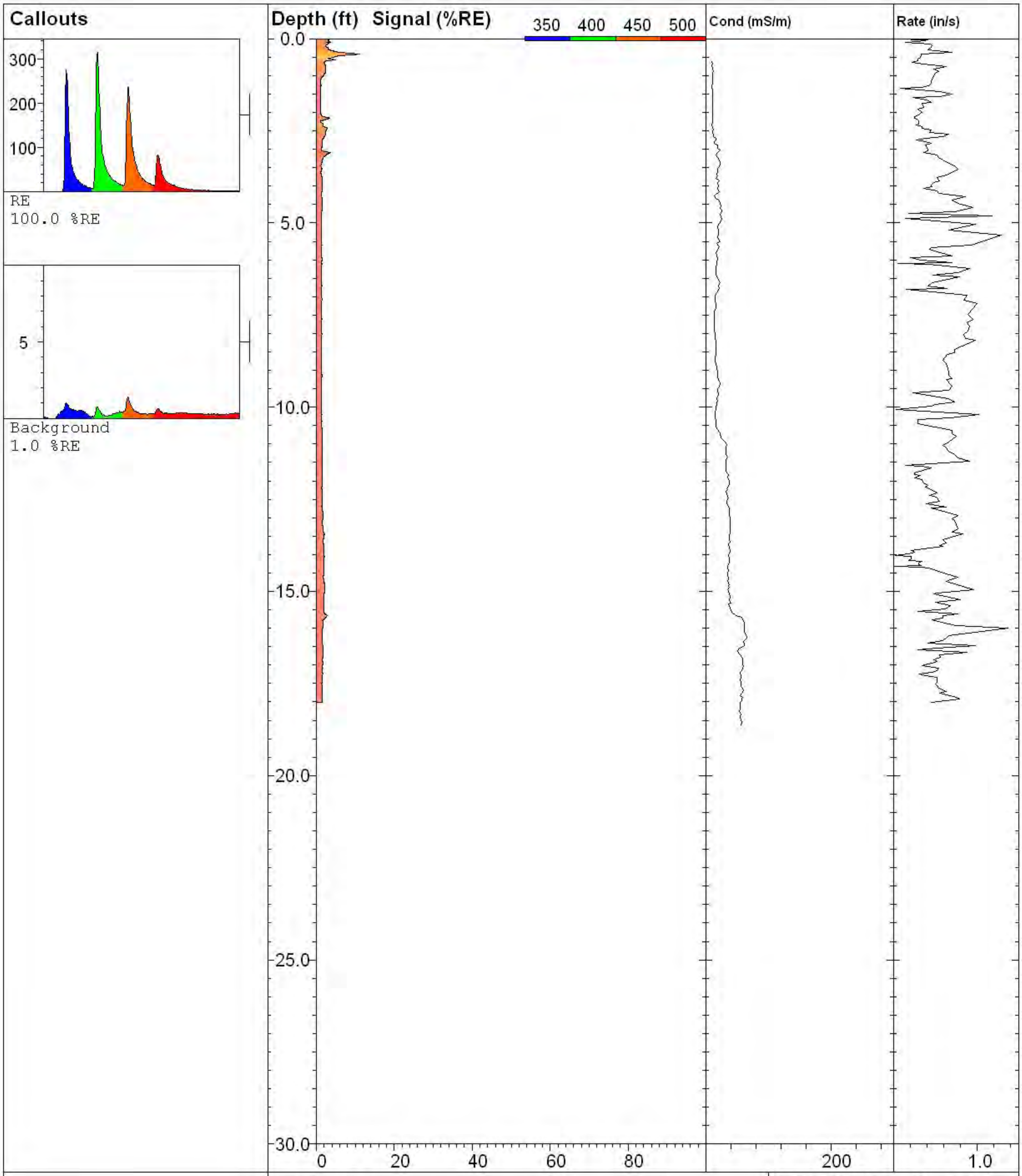
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **18.07 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.5 % @ 3.08 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-22 09:25 CST**



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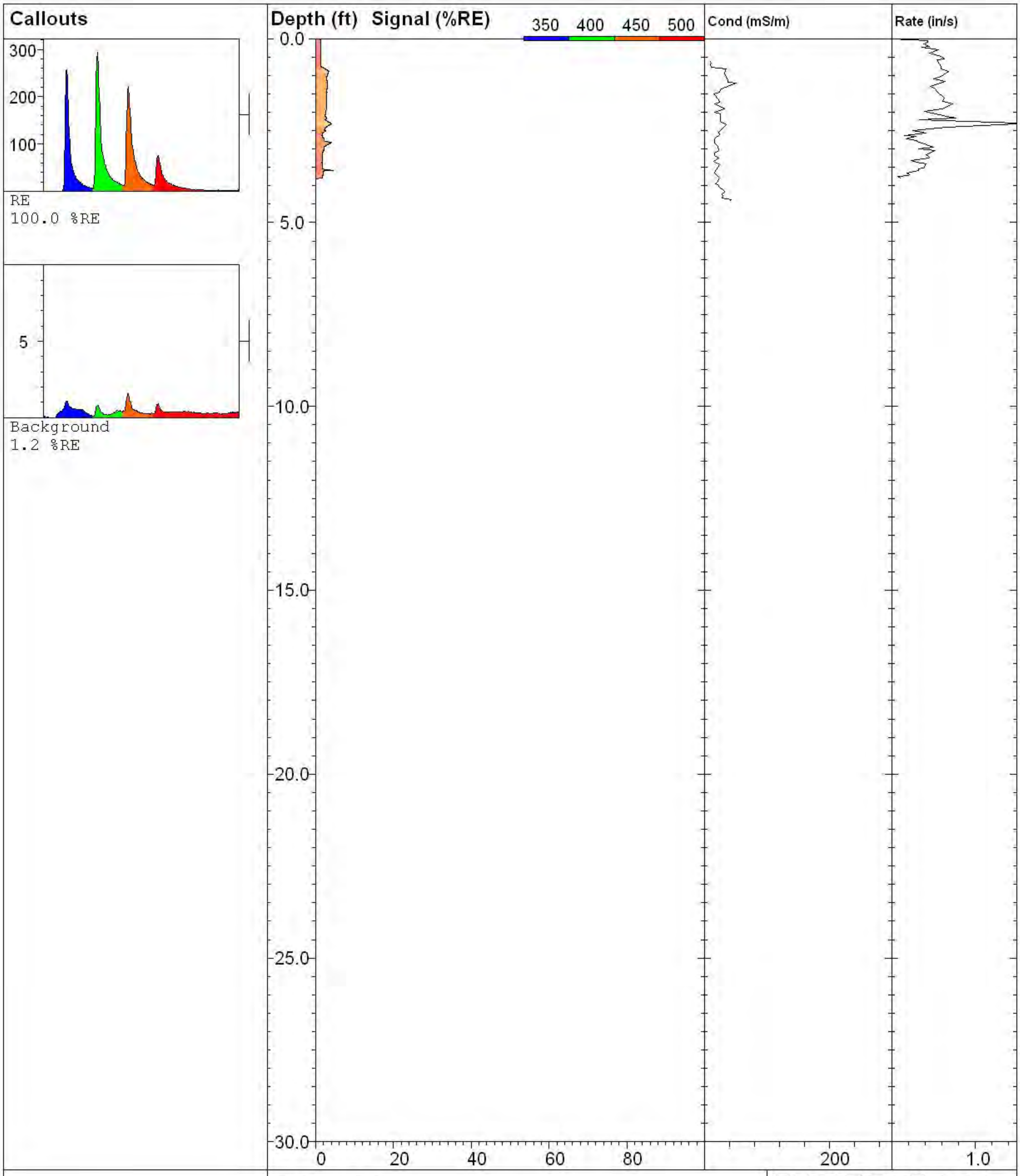
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **18.01 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **11.2 % @ 0.42 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-22 13:06 CST**



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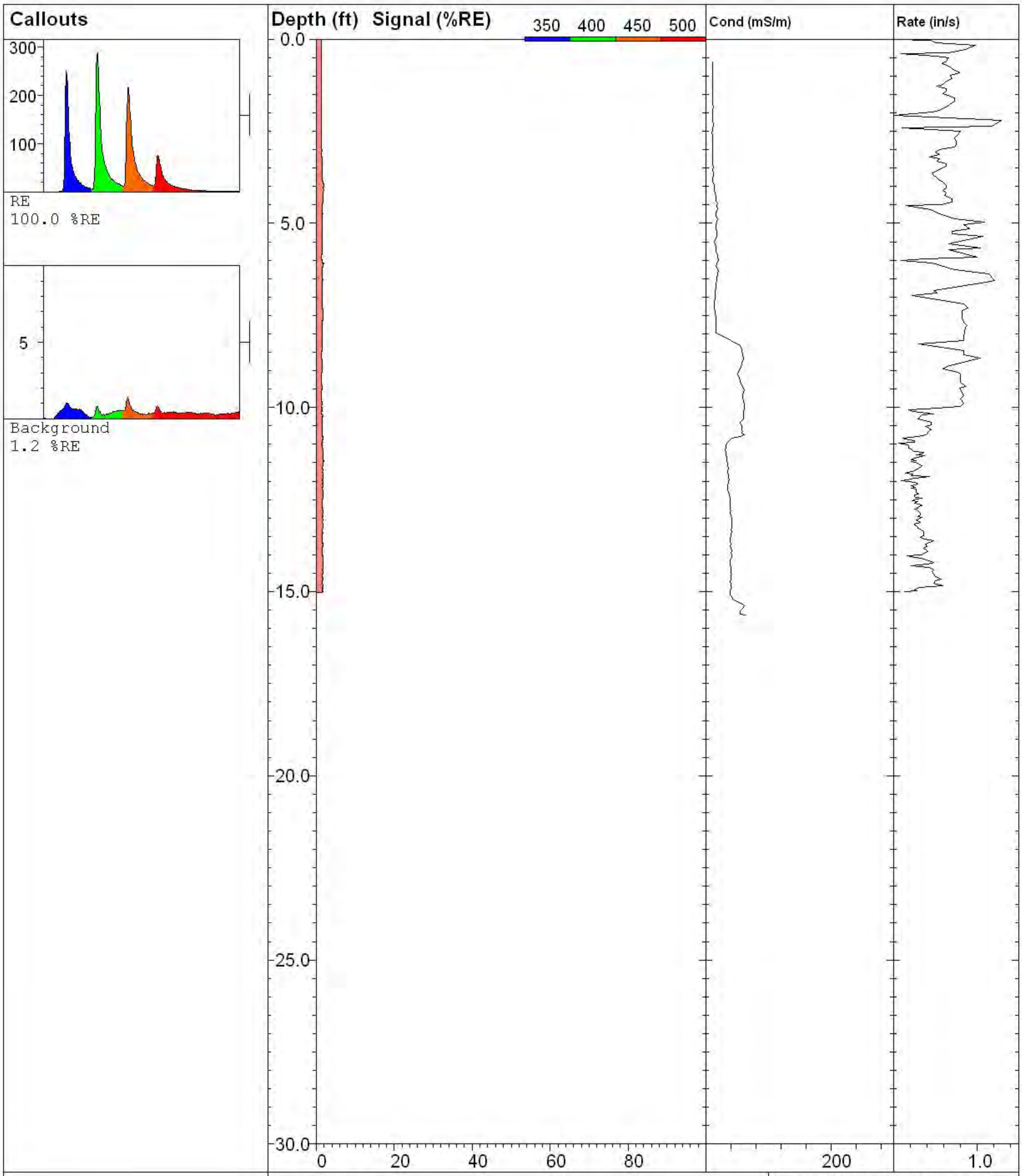
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **3.80 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **4.5 % @ 3.59 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-22 12:38 CST**



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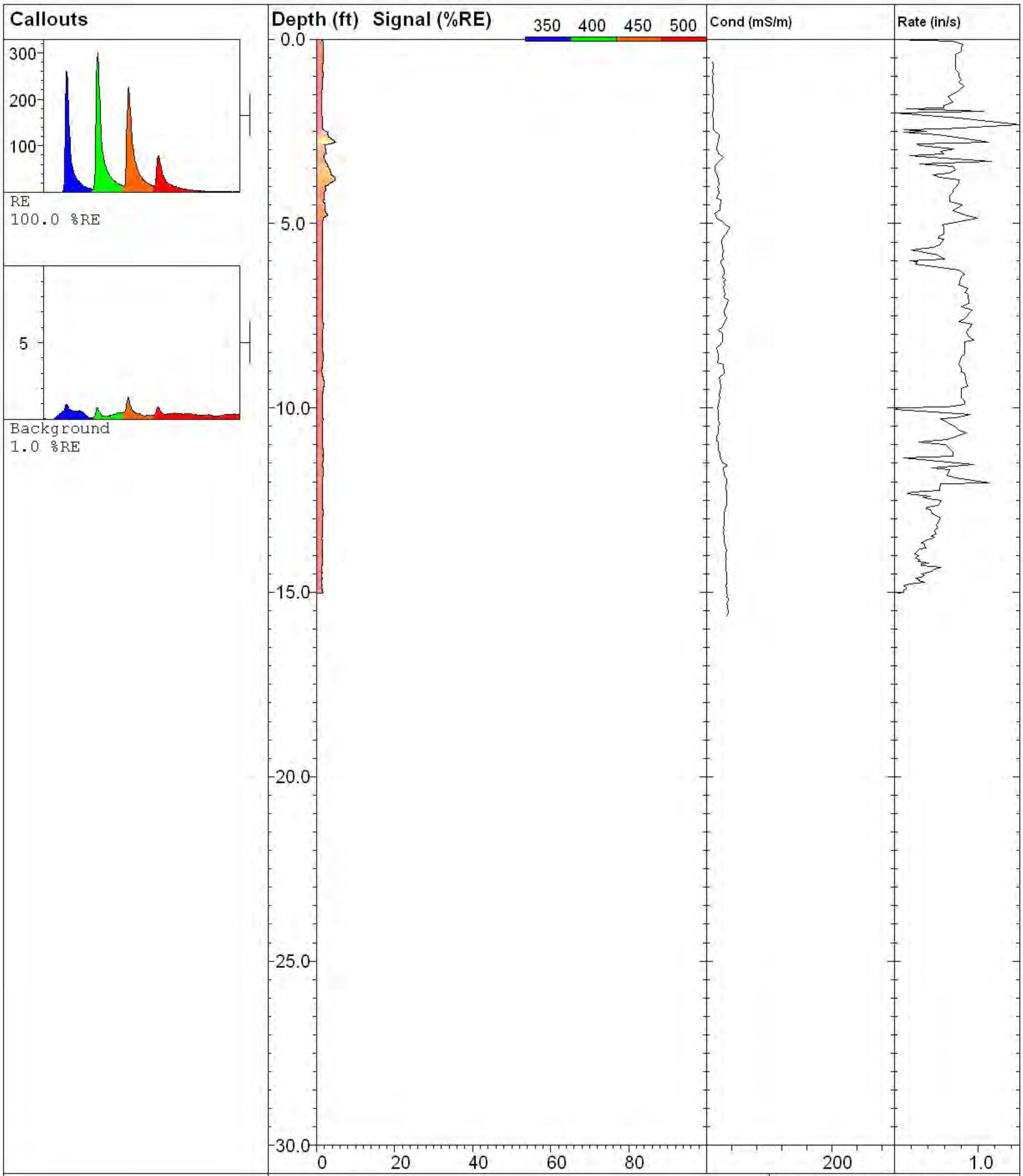
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.0 % @ 6.08 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-23 09:56 CST**



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LIF-044

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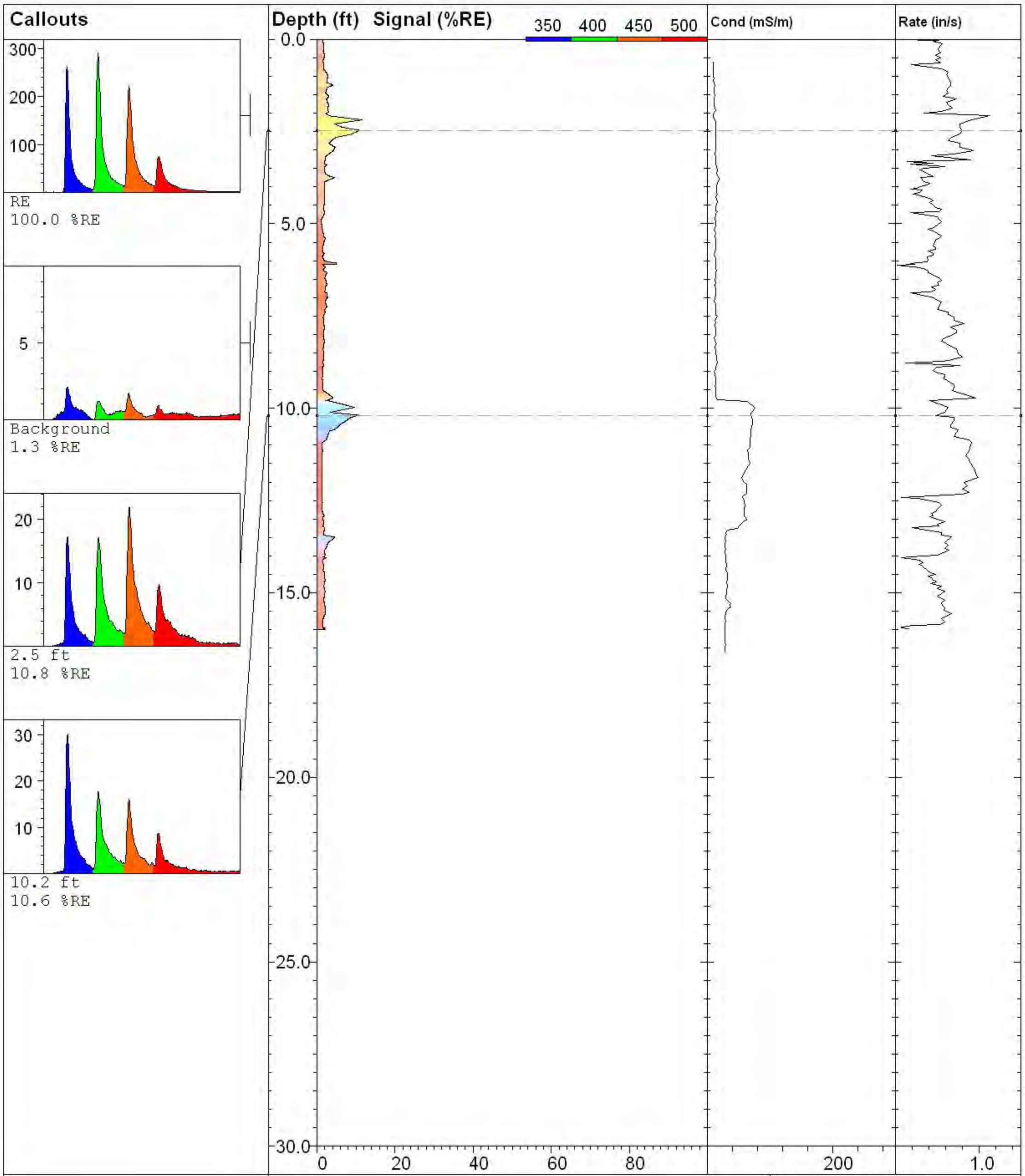
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.02 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **4.8 % @ 2.79 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-23 09:29 CST**



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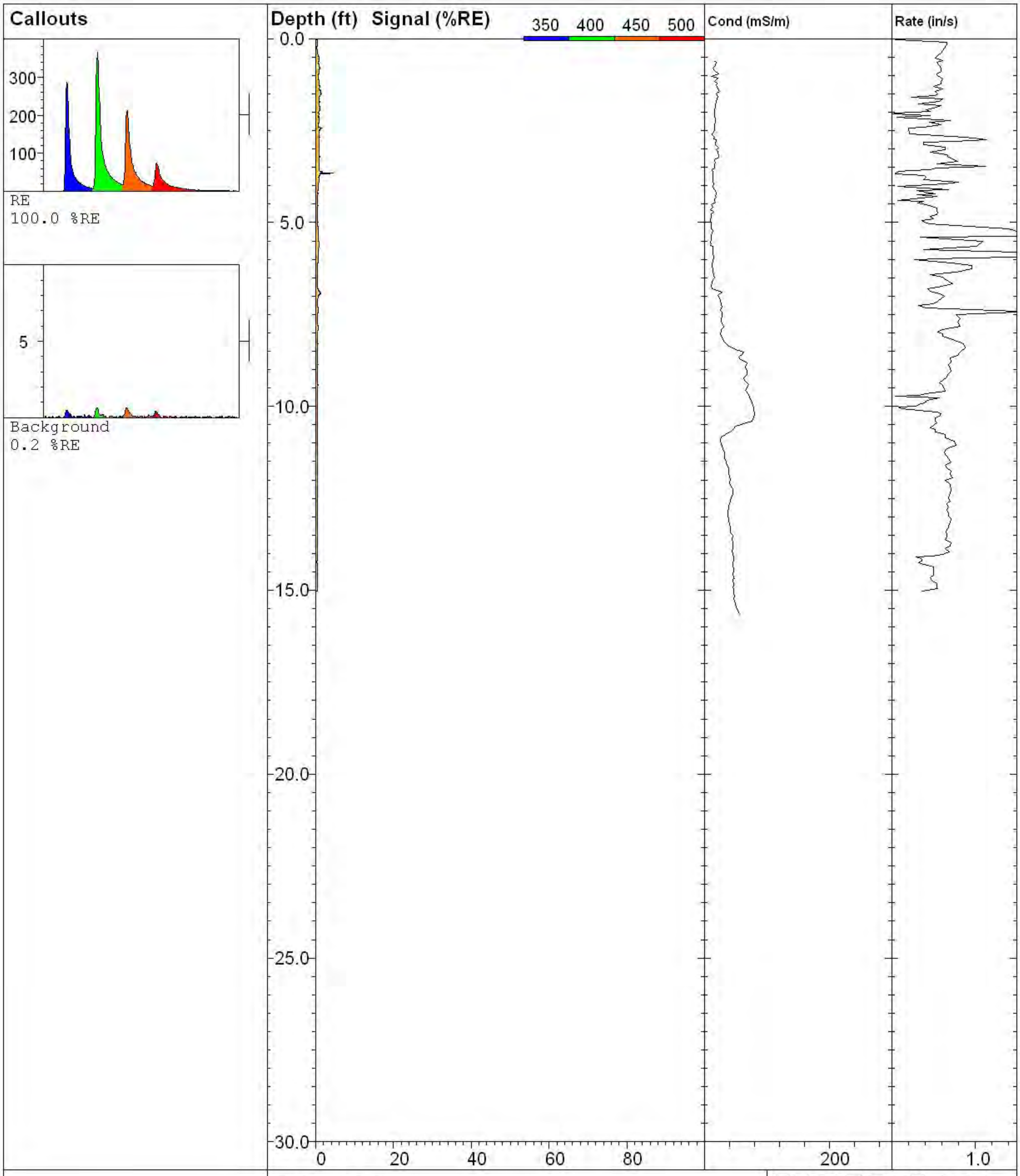
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **11.6 % @ 2.19 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-23 08:40 CST**



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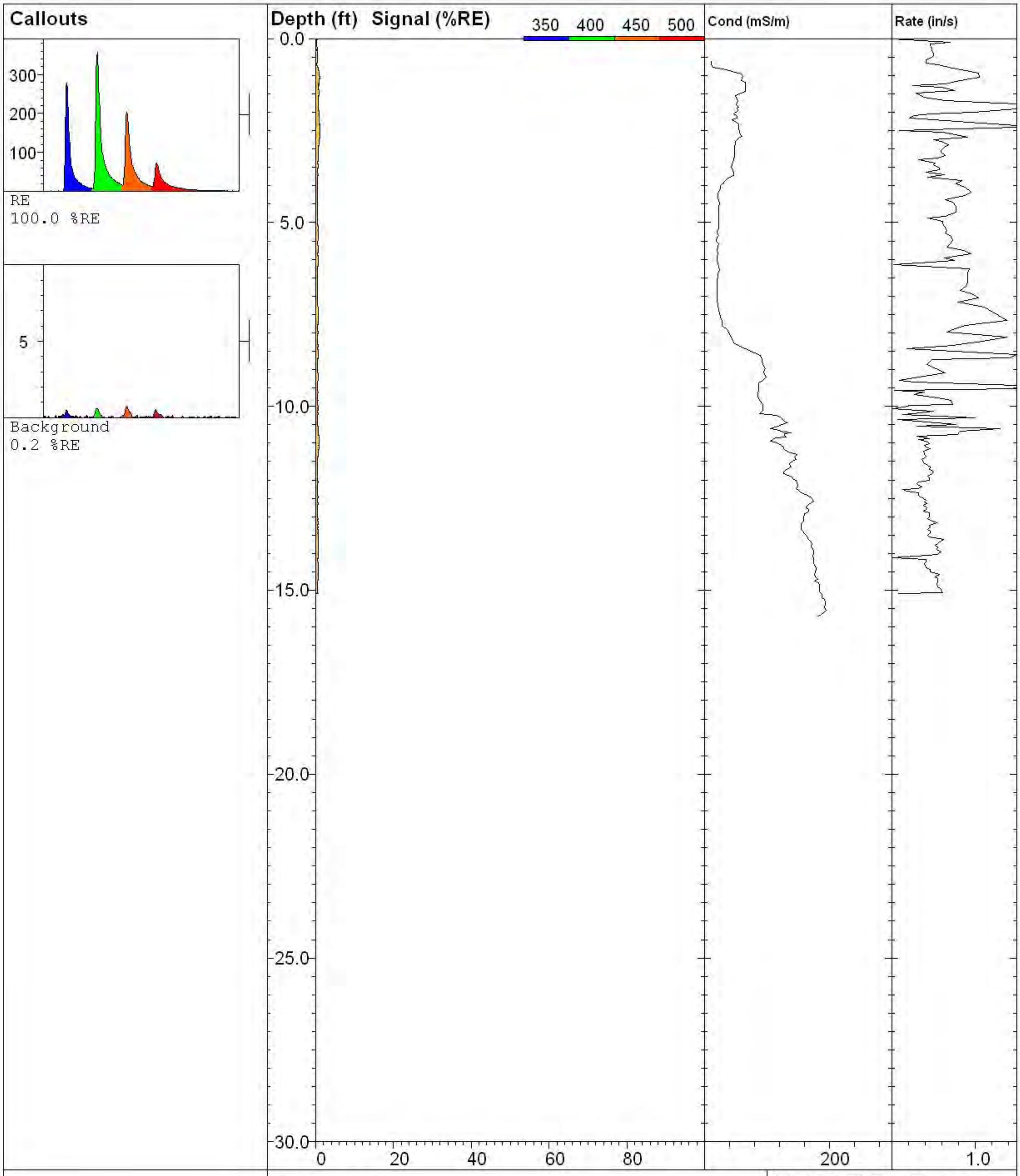
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.02 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **4.8 % @ 3.66 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-25 16:01 CST**



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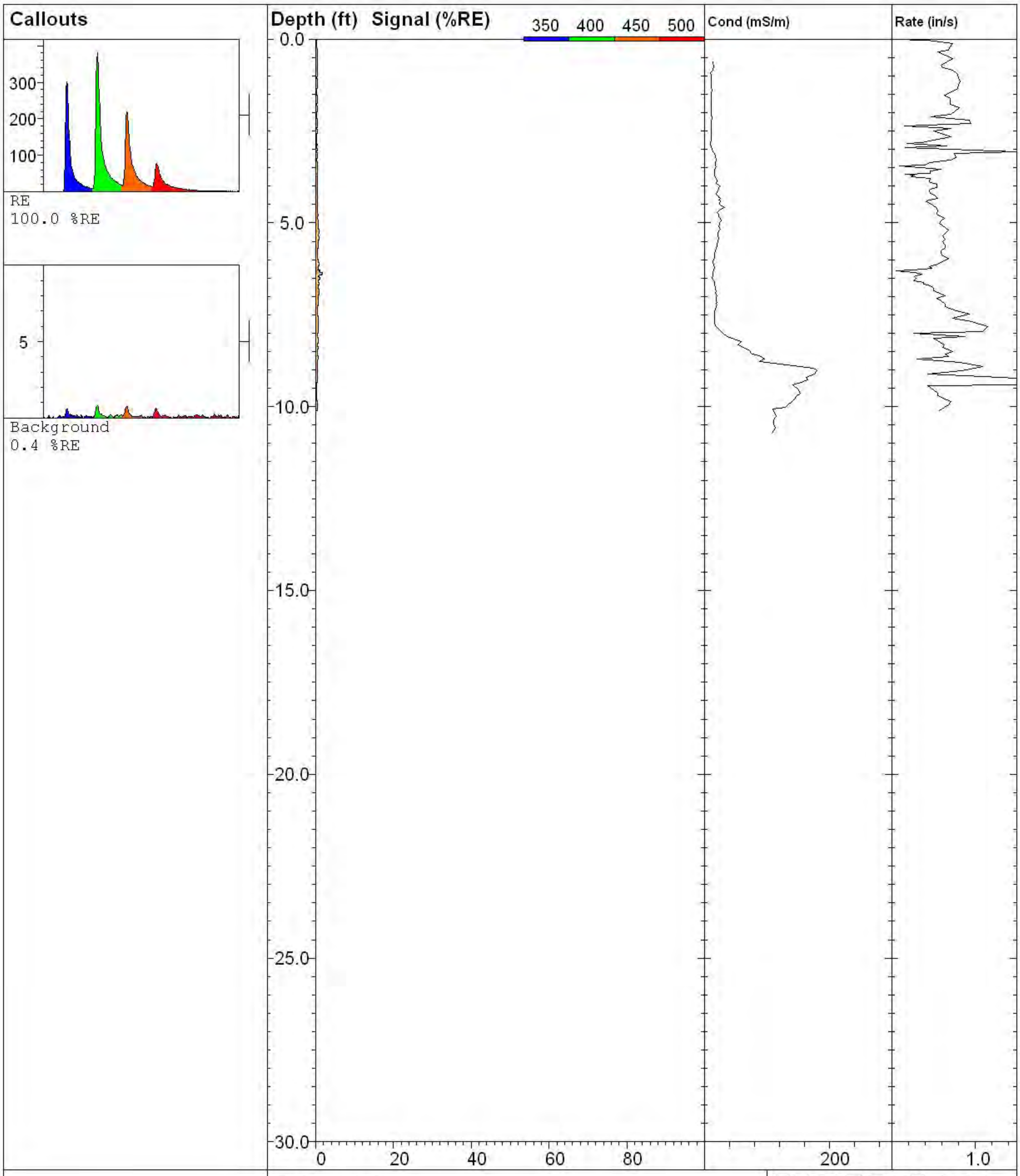
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.09 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.1 % @ 2.55 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-25 14:12 CST**



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LIF-048

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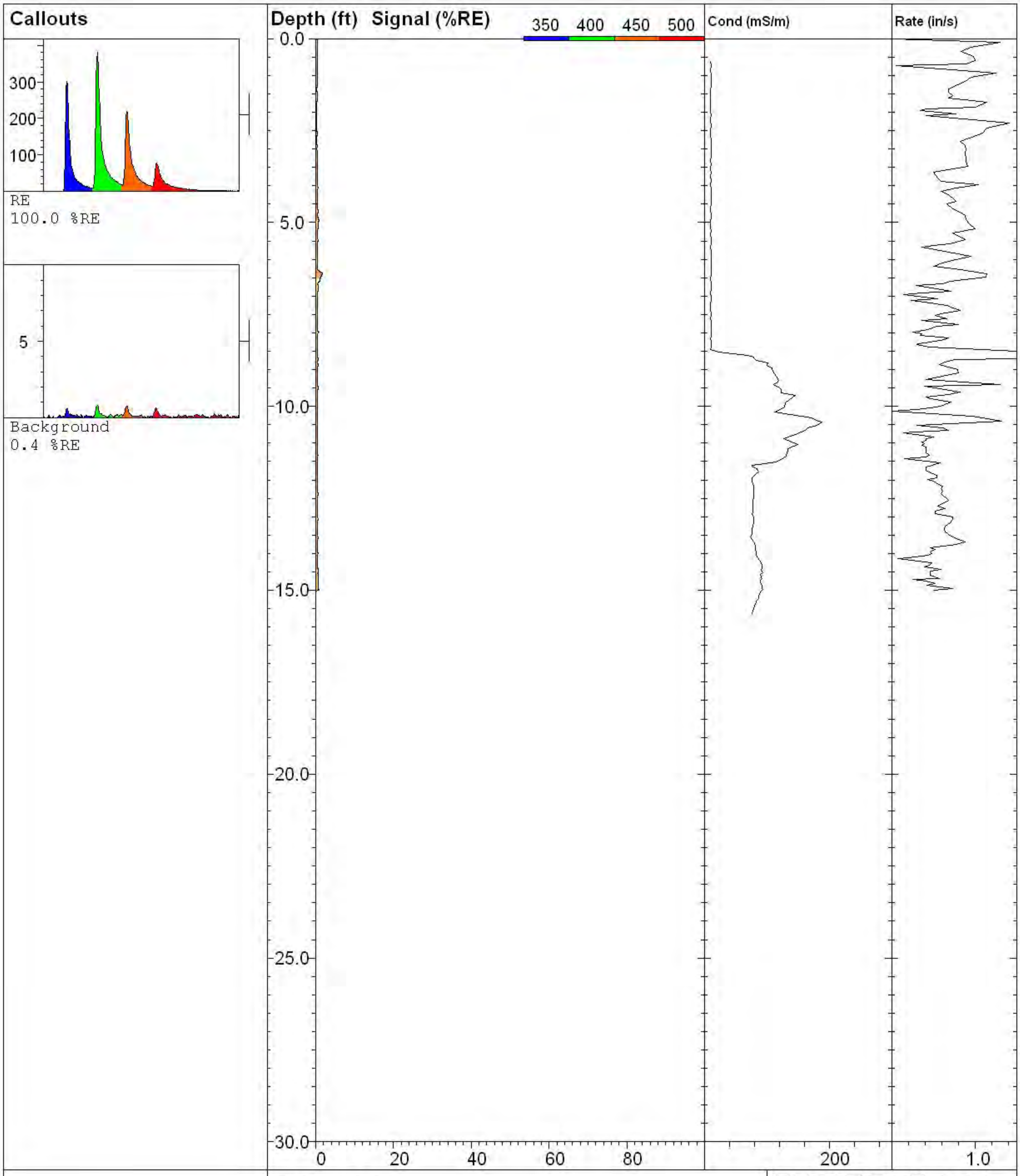
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **10.12 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.8 % @ 6.36 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-25 15:16 CST**



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LIF-048A

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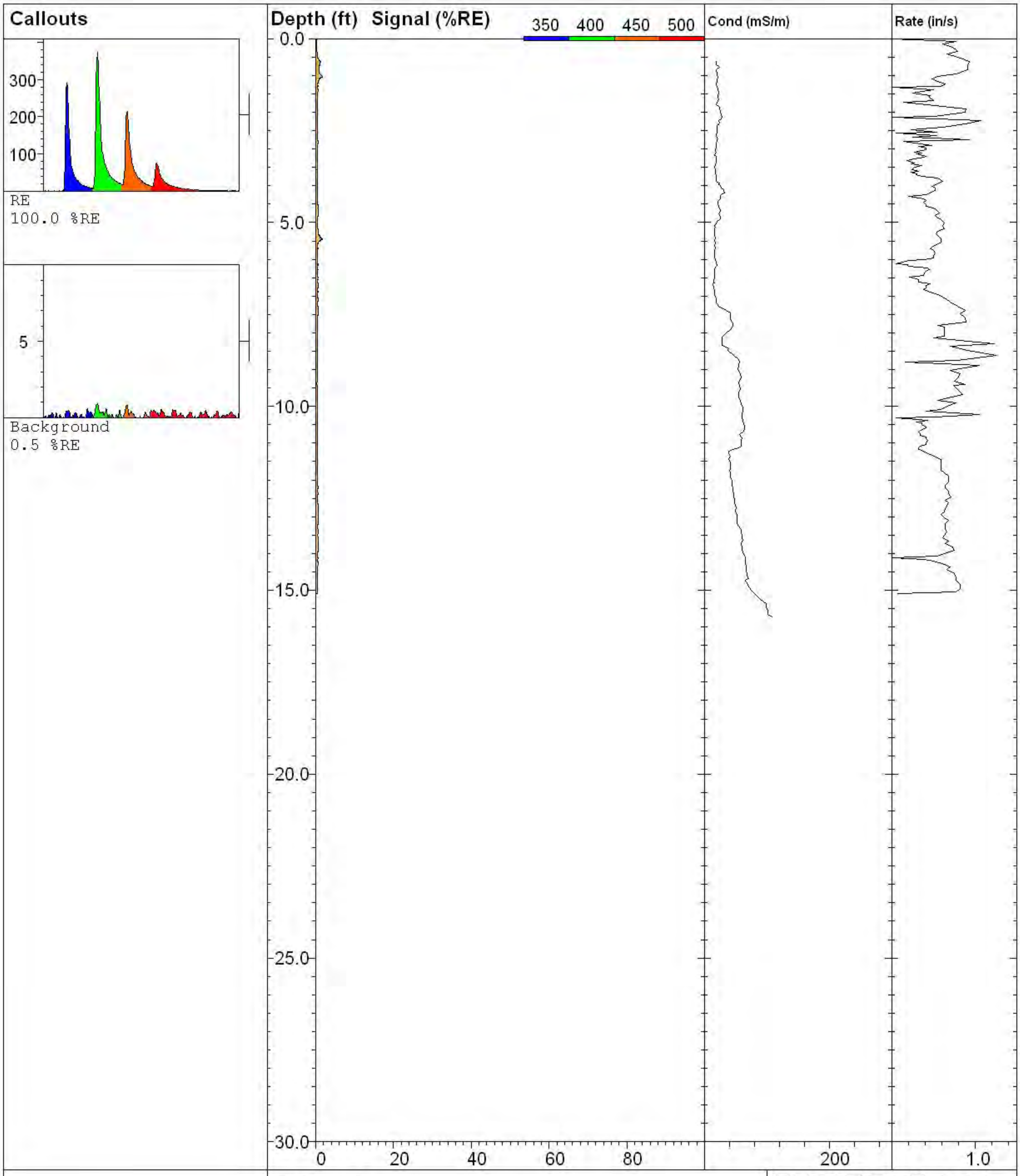
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.8 % @ 6.39 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-25 15:31 CST**



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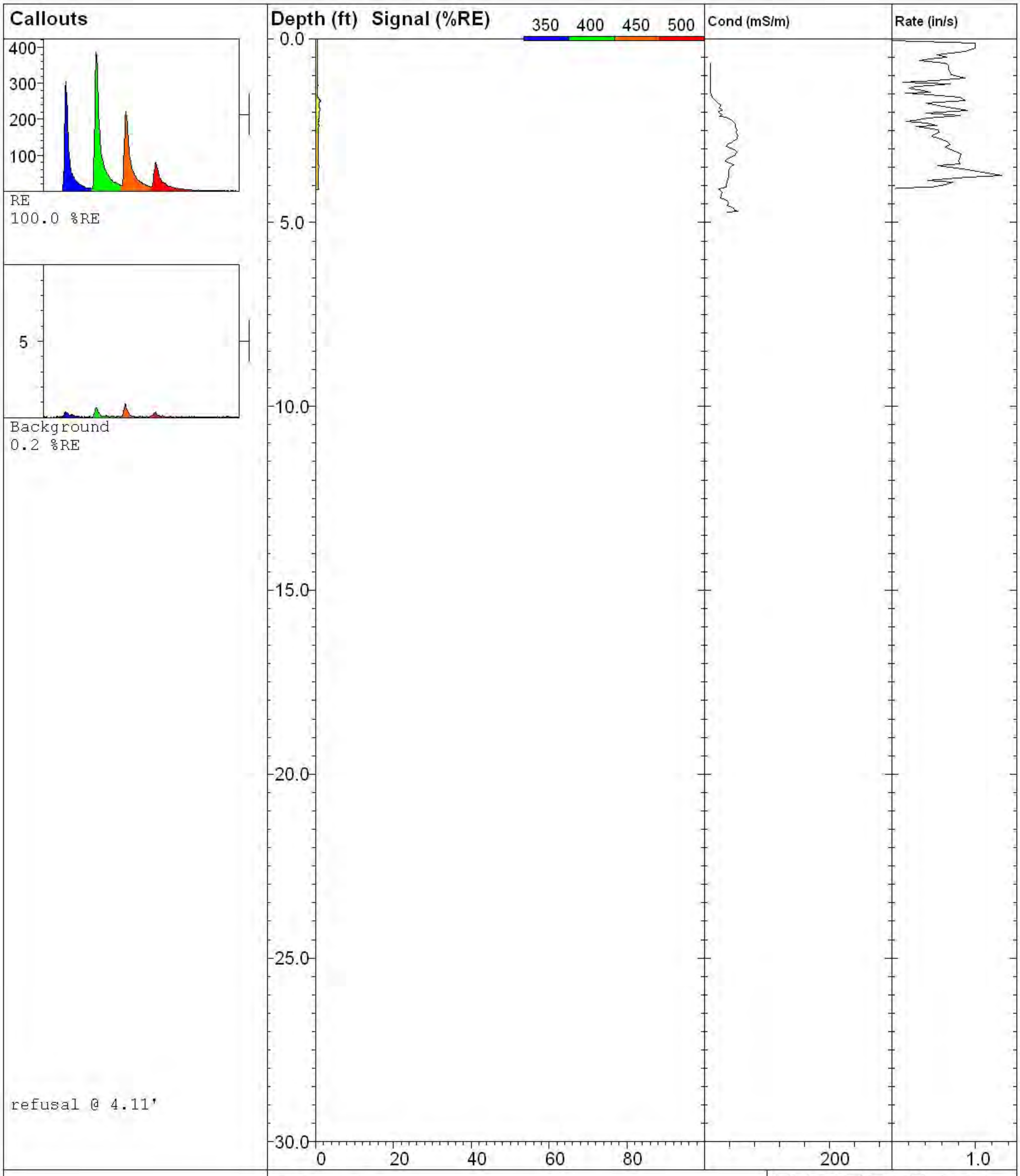
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.09 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.7 % @ 1.03 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-25 14:44 CST**



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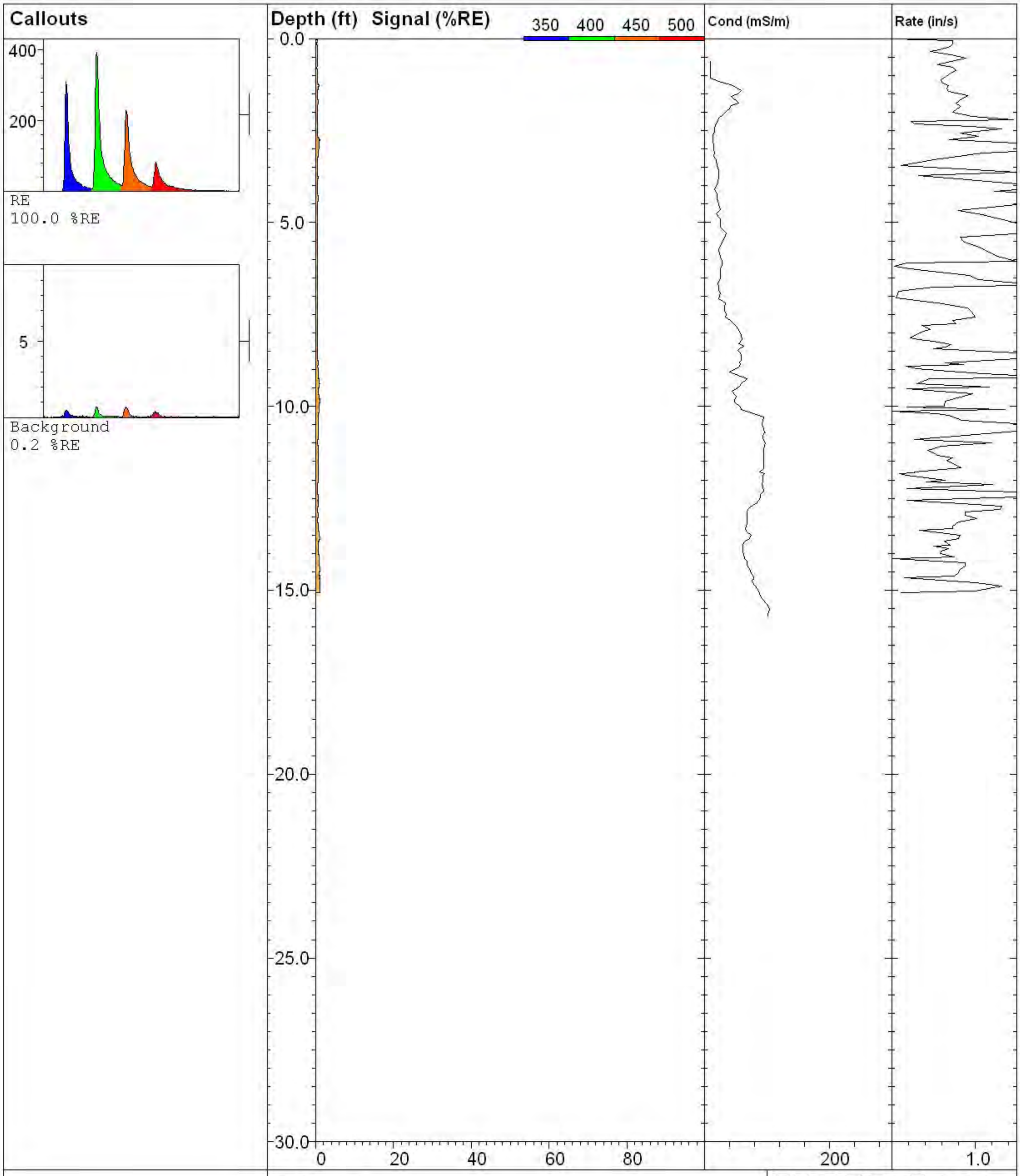
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **4.11 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.2 % @ 1.69 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-21 09:47 CST**



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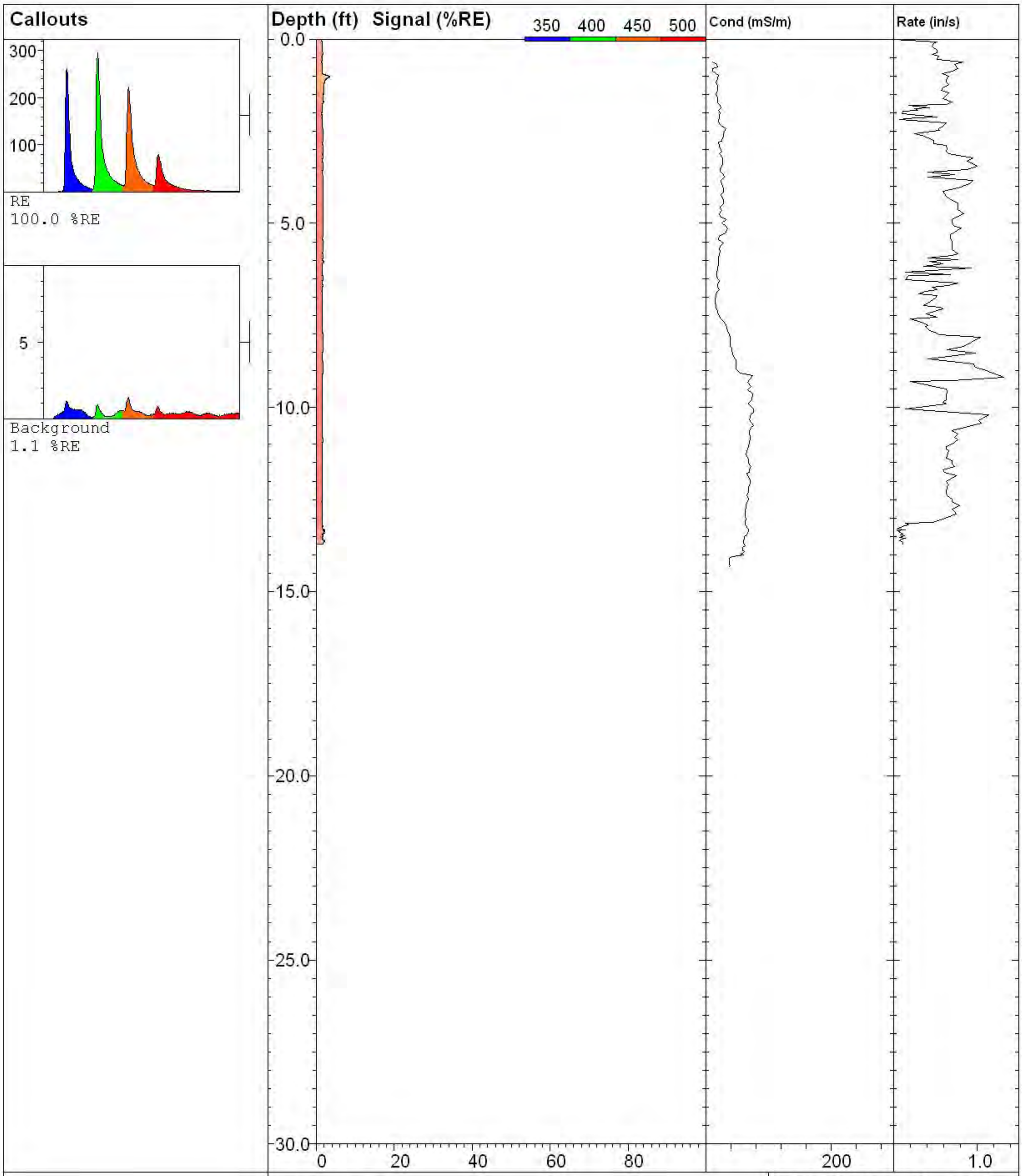
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.07 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.0 % @ 9.87 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-20 16:31 CST**



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LIF-053

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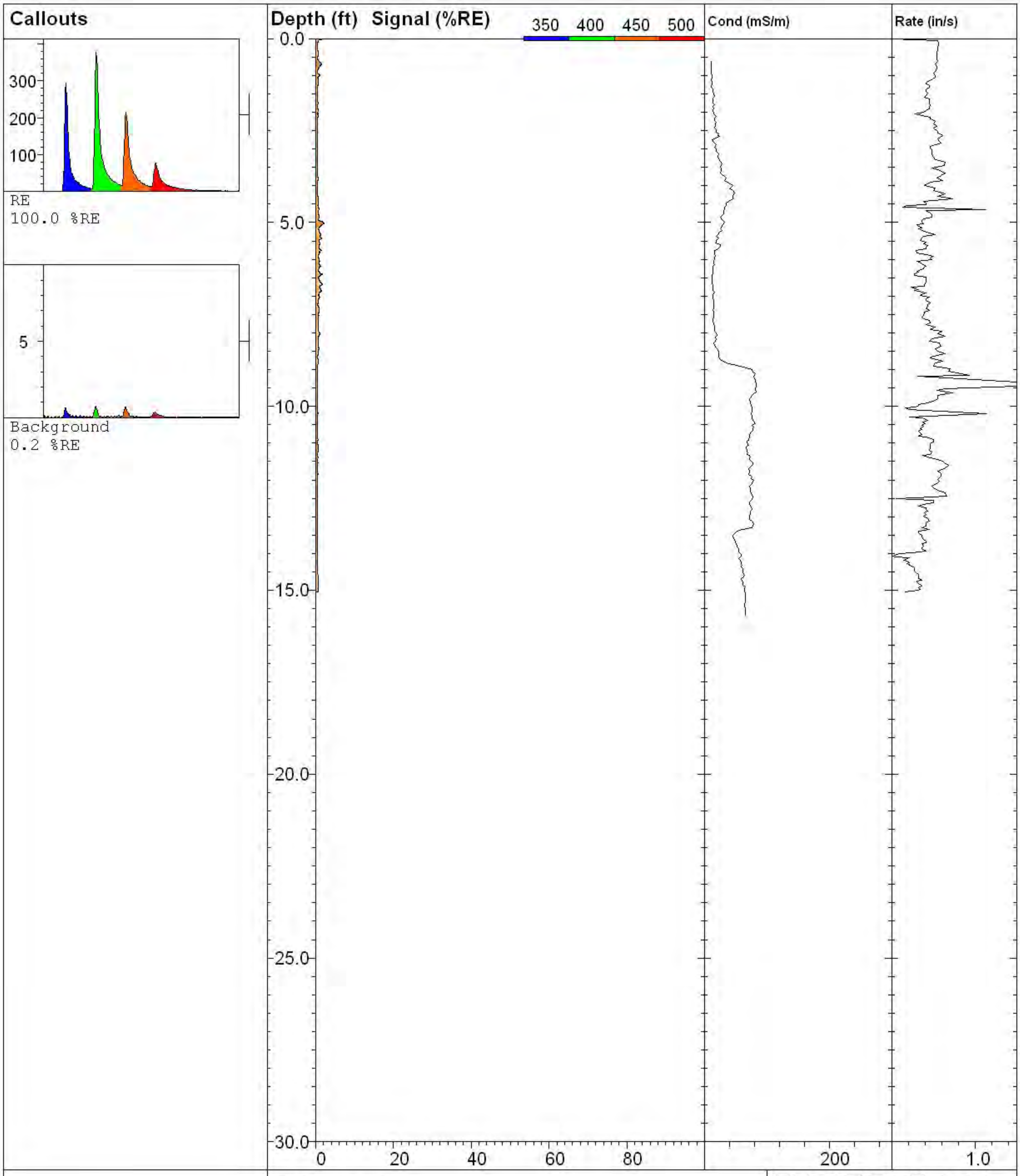
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **13.71 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.5 % @ 1.01 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-23 12:21 CST**



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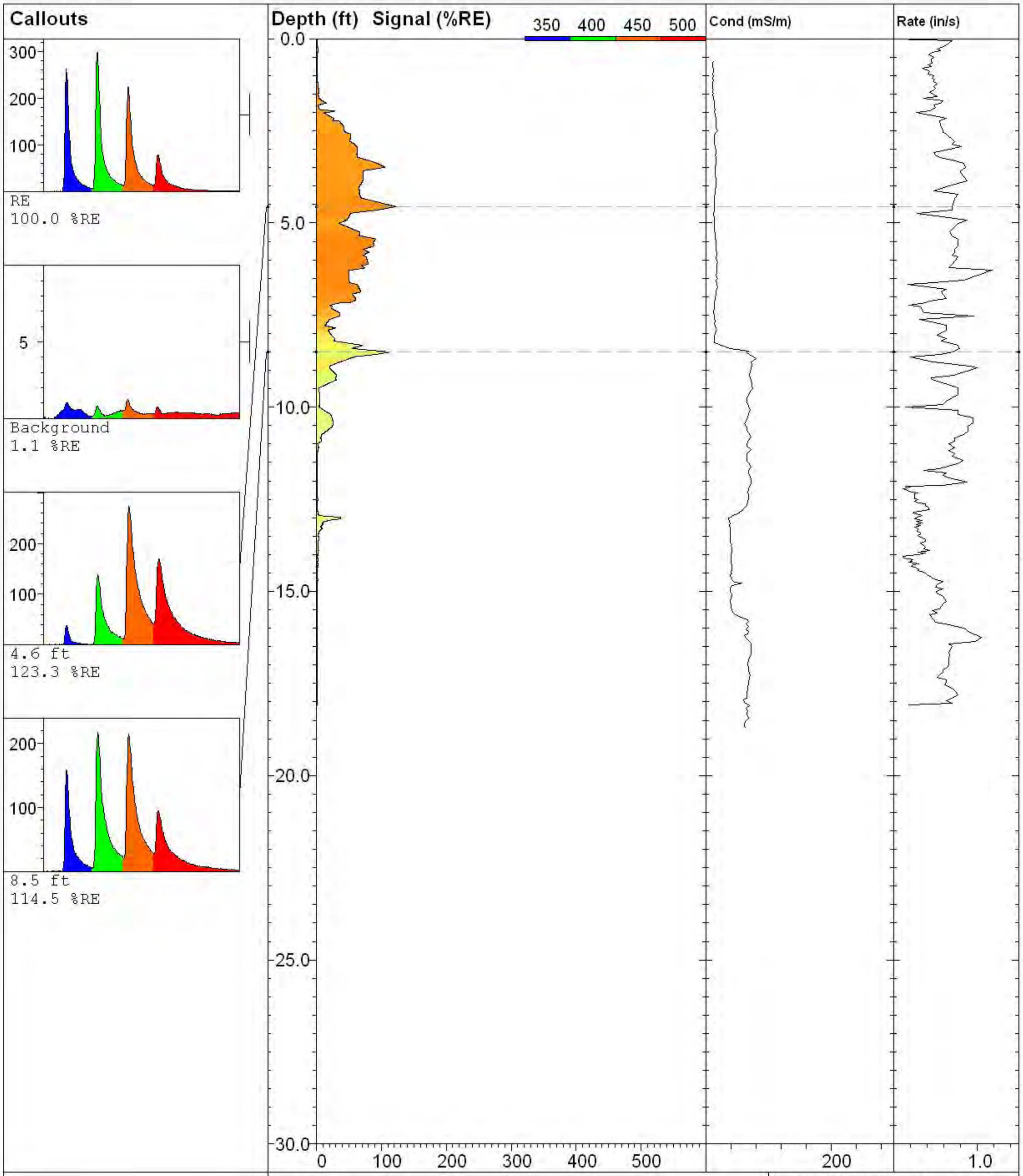
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.05 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.2 % @ 5.03 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-23 11:50 CST**



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LIF-056

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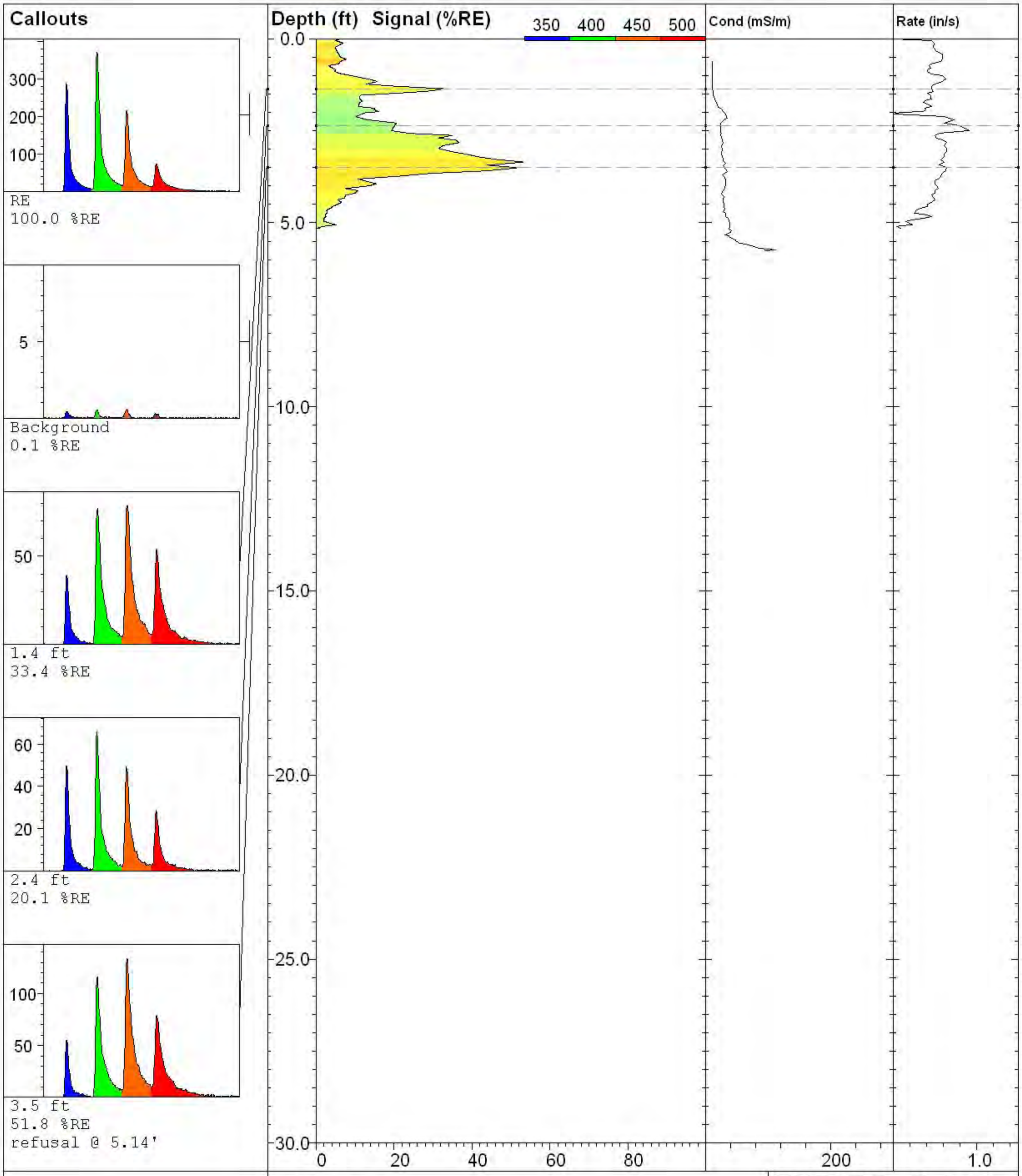
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **18.08 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **123.3 % @ 4.56 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-23 10:35 CST**



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LIF-058

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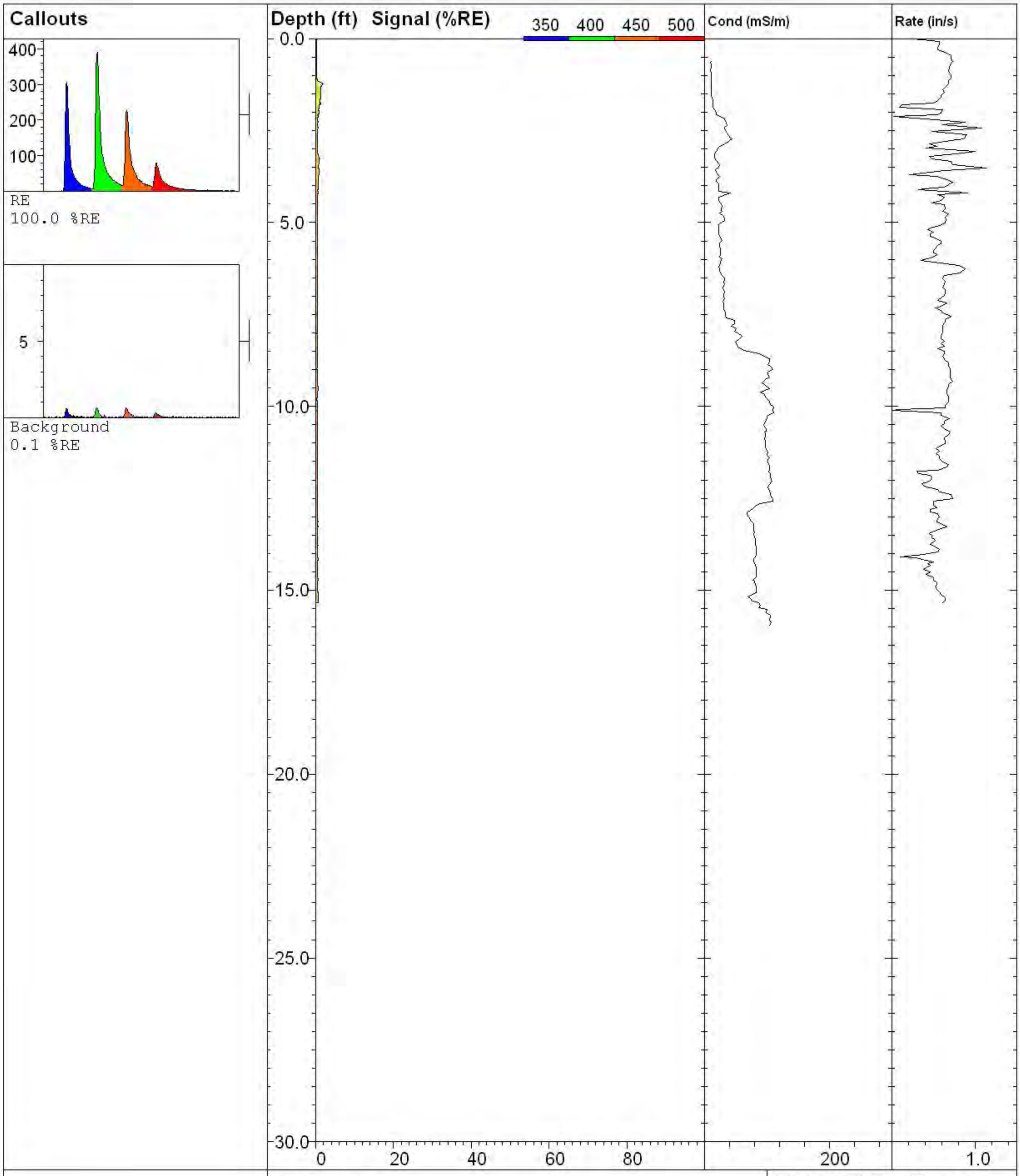
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **5.14 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **53.3 % @ 3.35 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-25 09:59 CST**



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LIF-059

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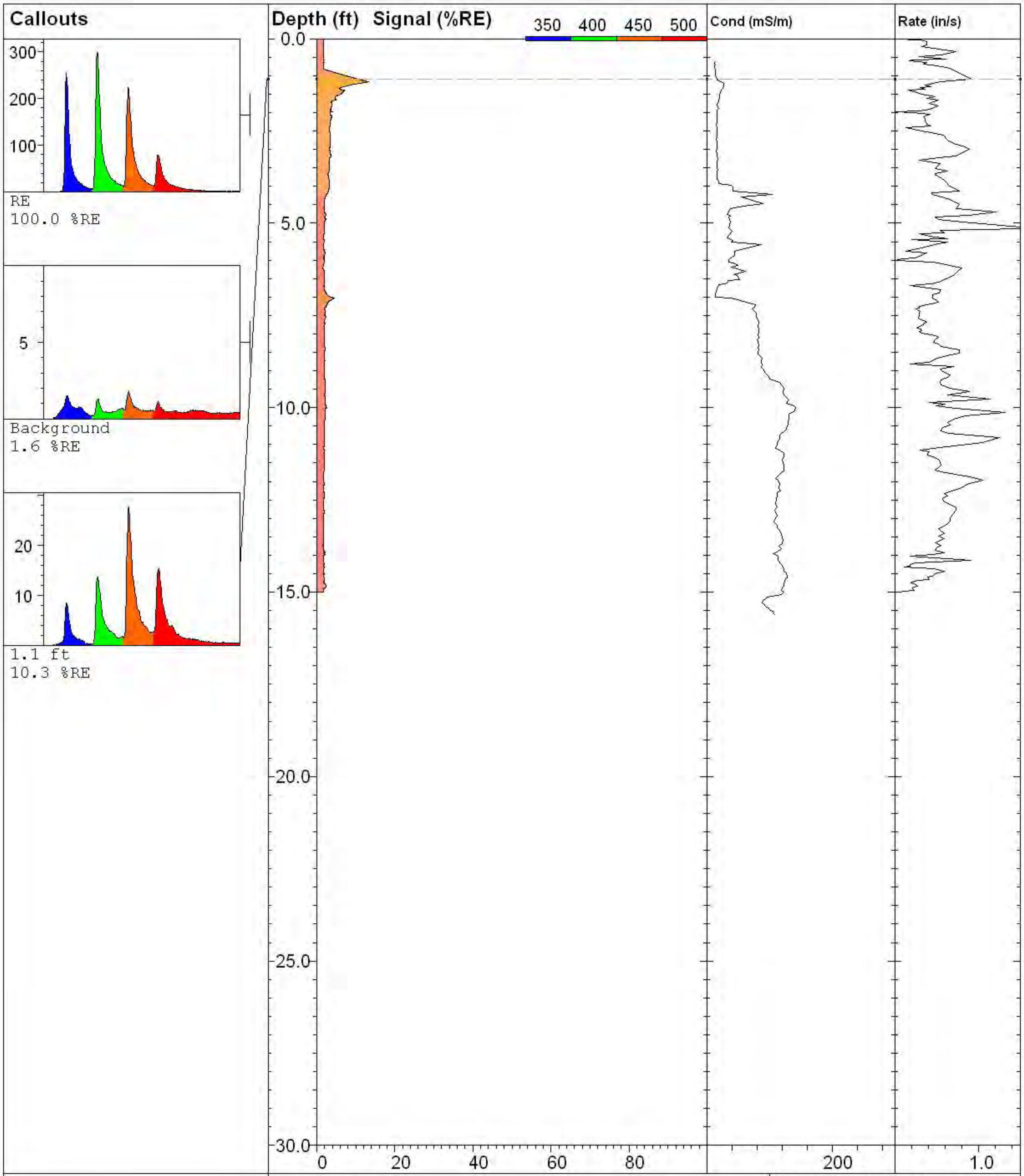
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.34 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.8 % @ 1.22 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-25 11:38 CST**



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LIF-060

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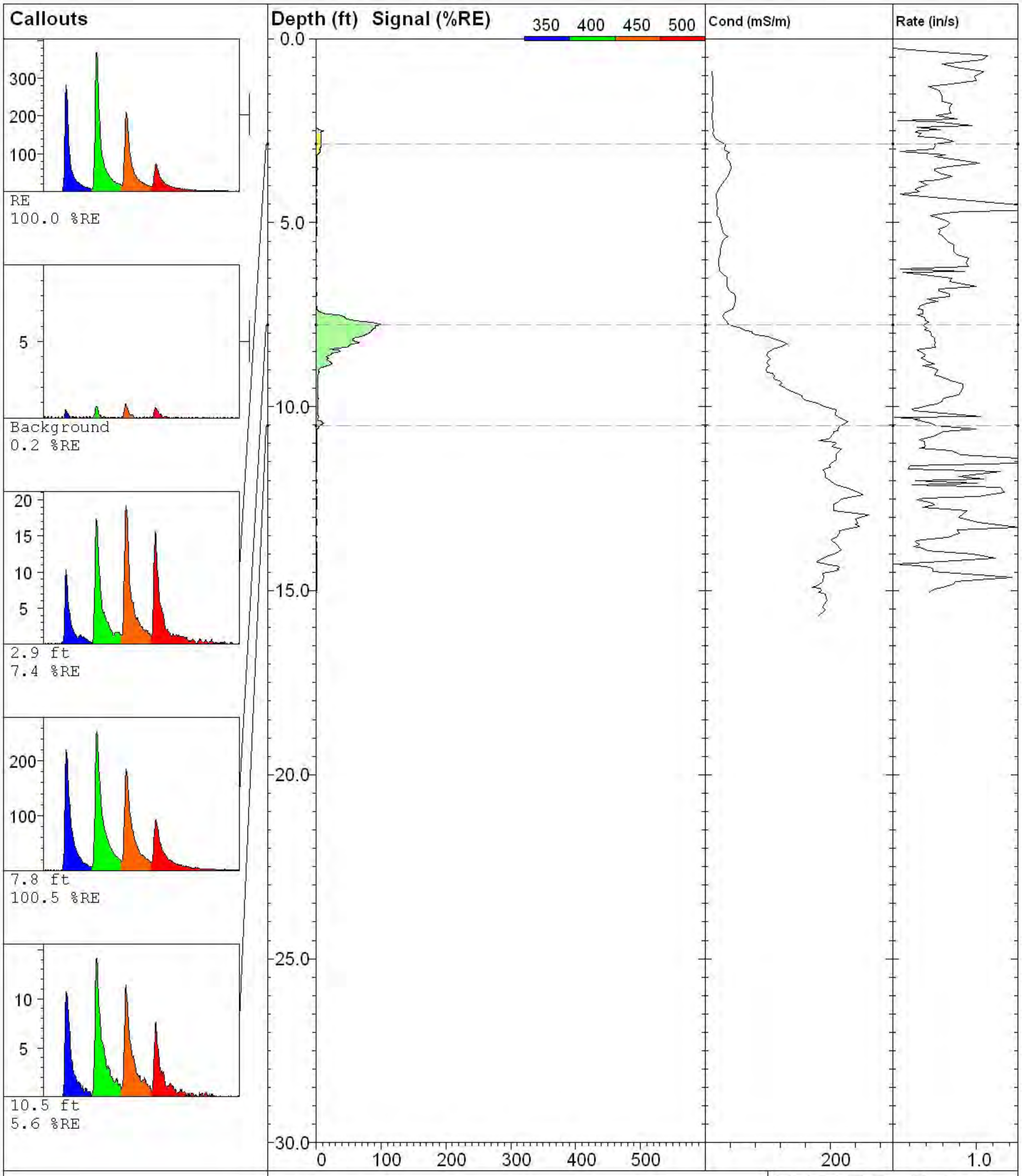
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **14.99 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **13.2 % @ 1.17 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-25 13:28 CST**



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LIF-062

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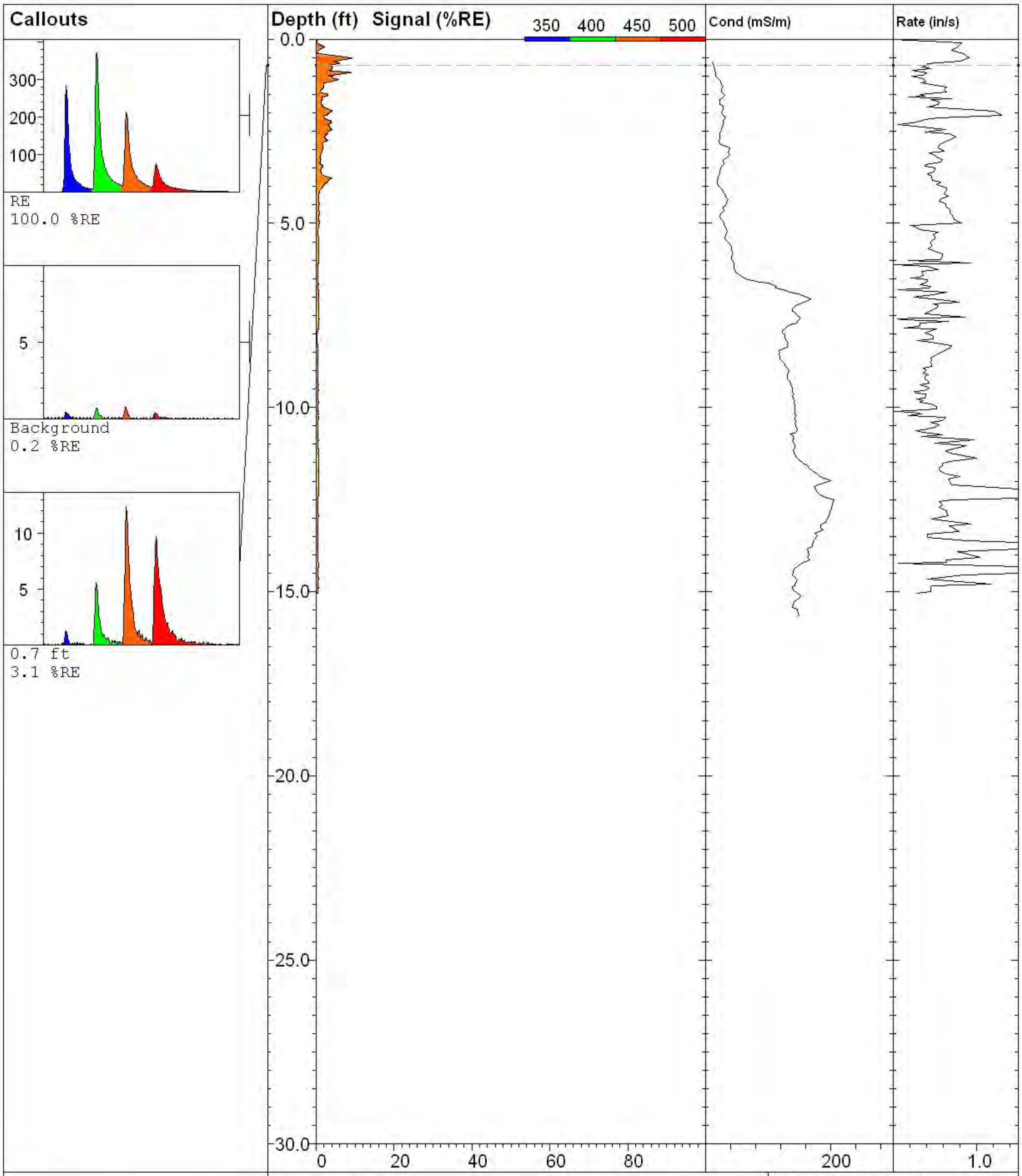
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.05 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **100.5 % @ 7.77 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-28 10:26 CST**



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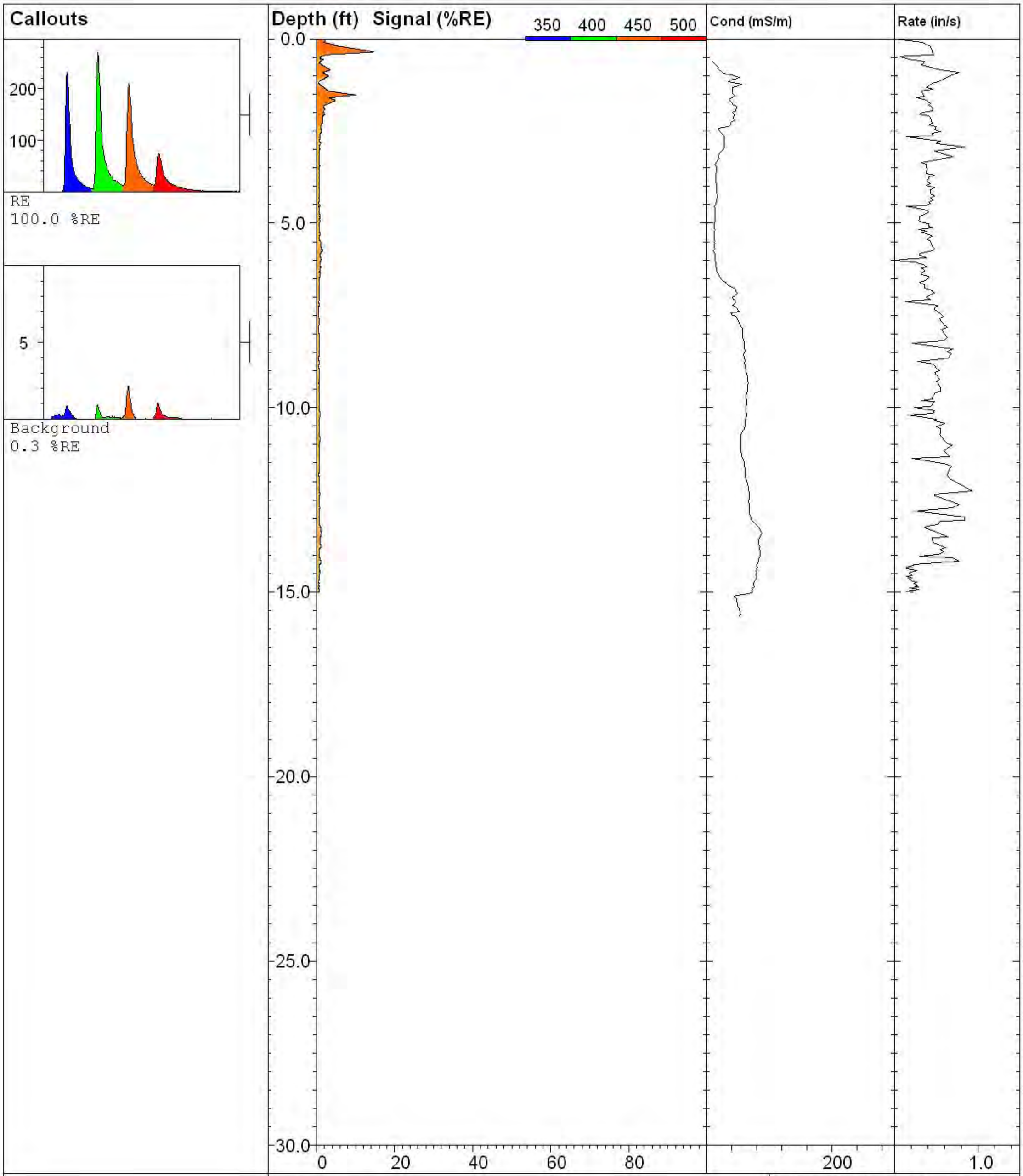
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.04 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **9.3 % @ 0.51 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-28 09:57 CST**



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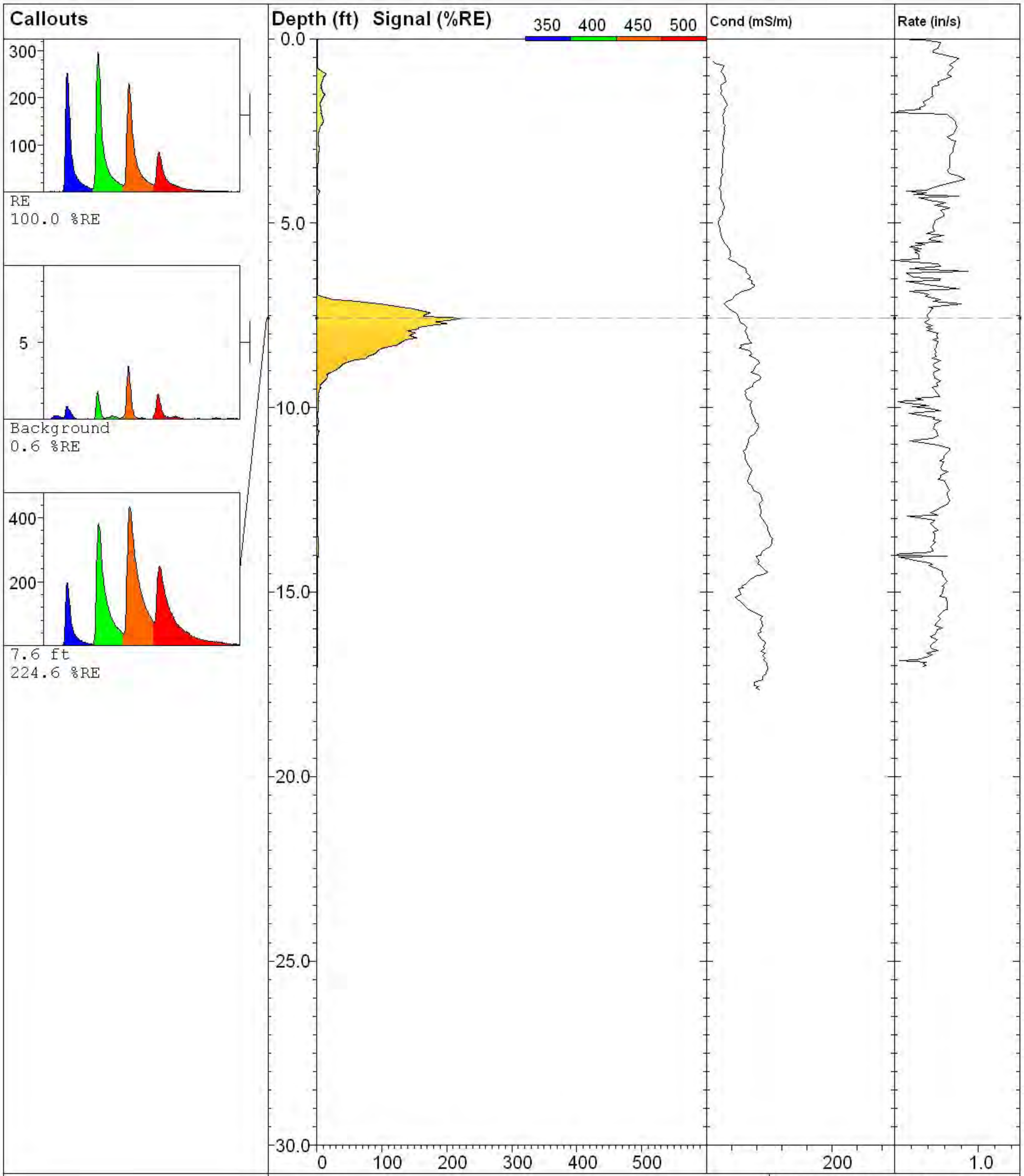
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **14.6 % @ 0.36 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-26 16:39 CST**



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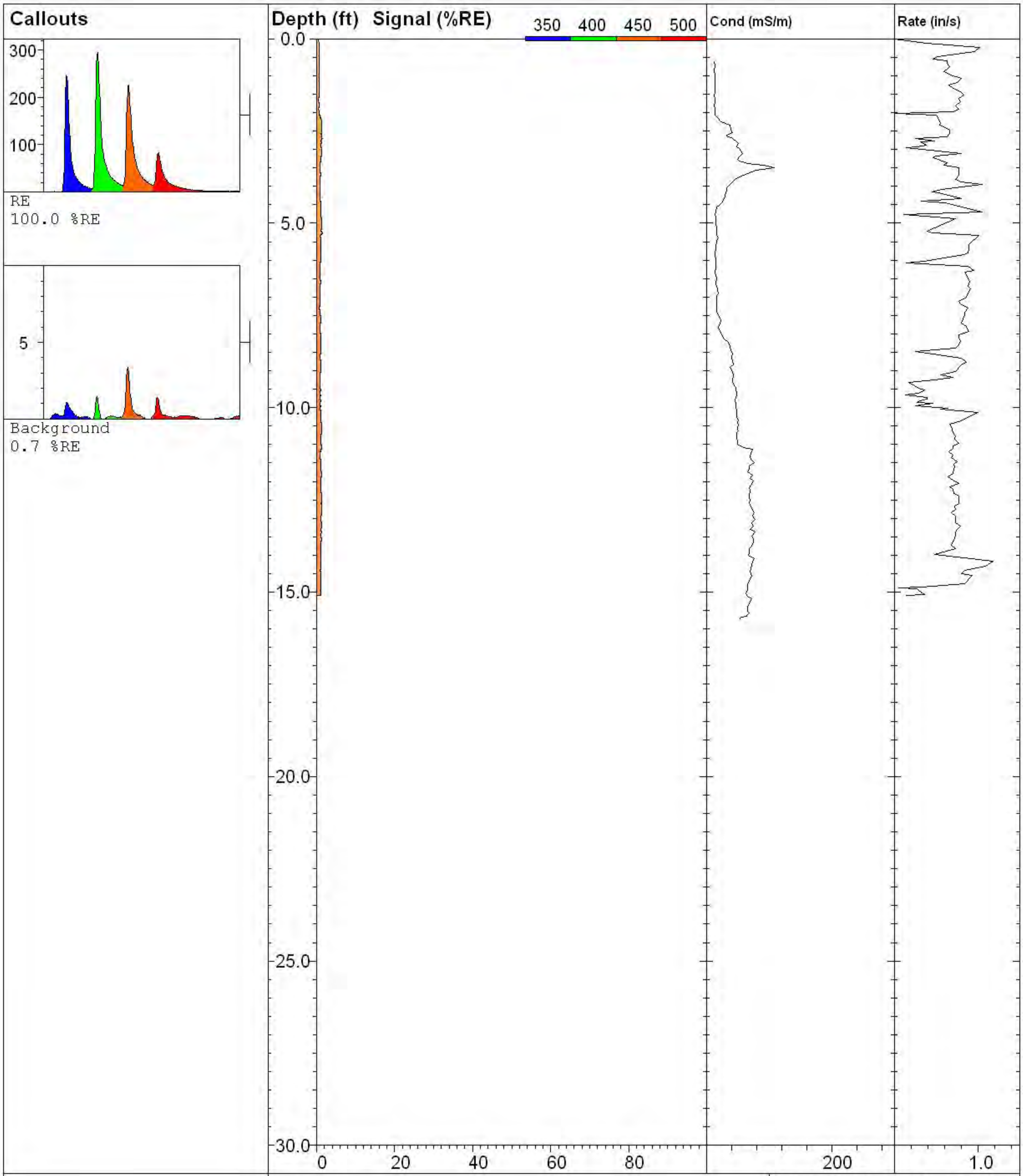
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **17.03 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **224.6 % @ 7.57 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-27 14:20 CST**



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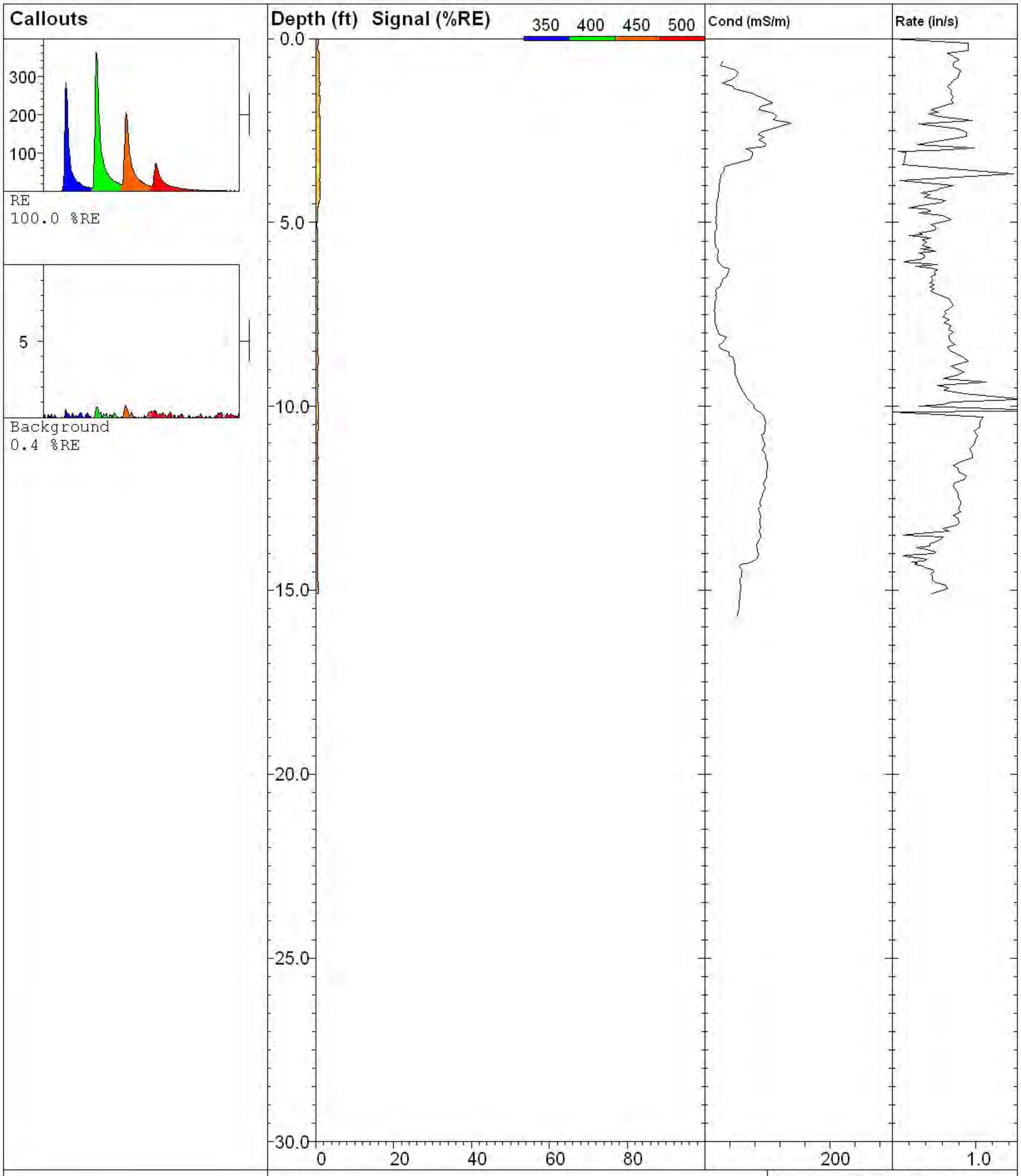
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.10 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.5 % @ 5.27 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-27 16:43 CST**



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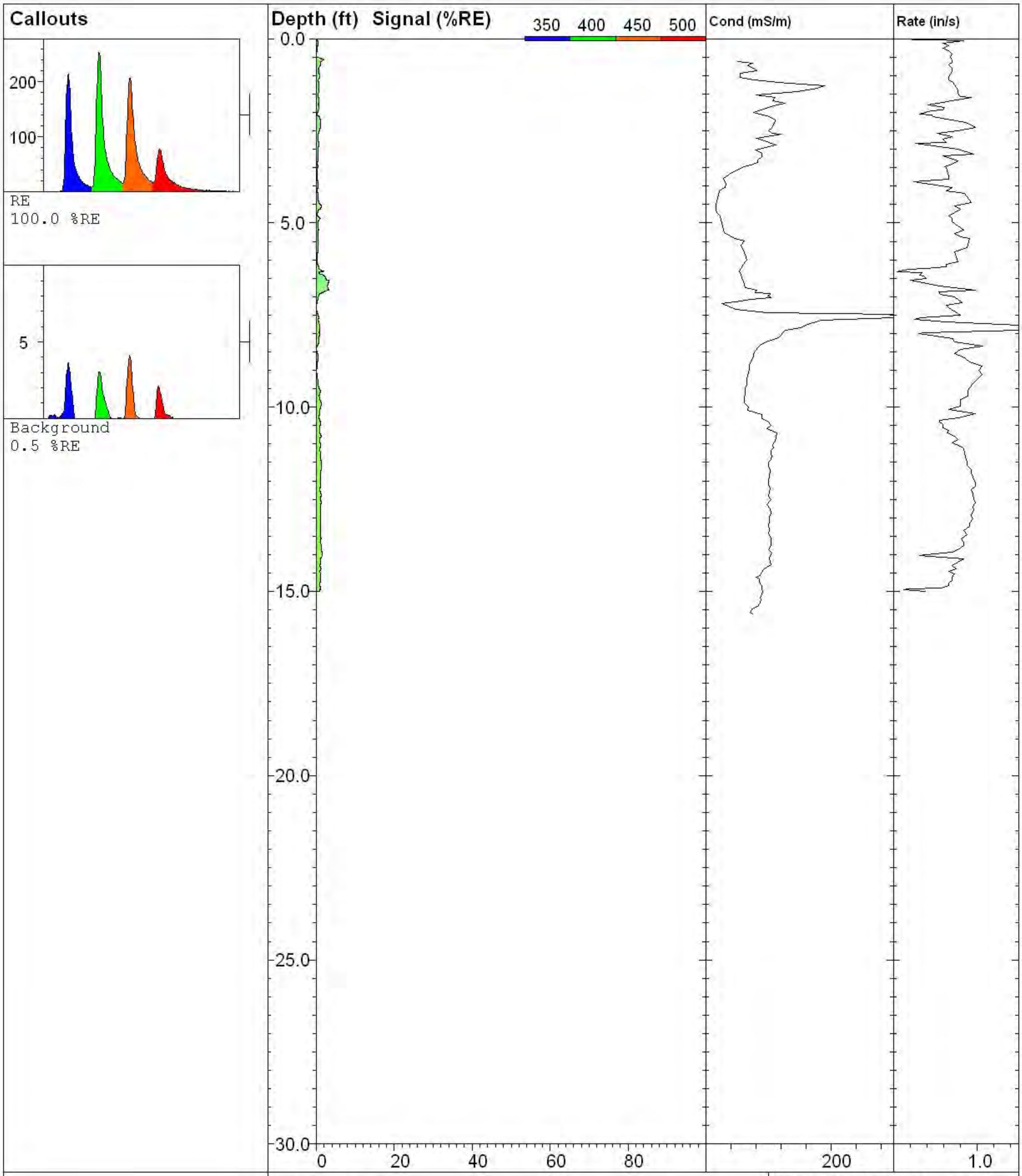
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.08 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.2 % @ 2.38 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-26 10:38 CST**



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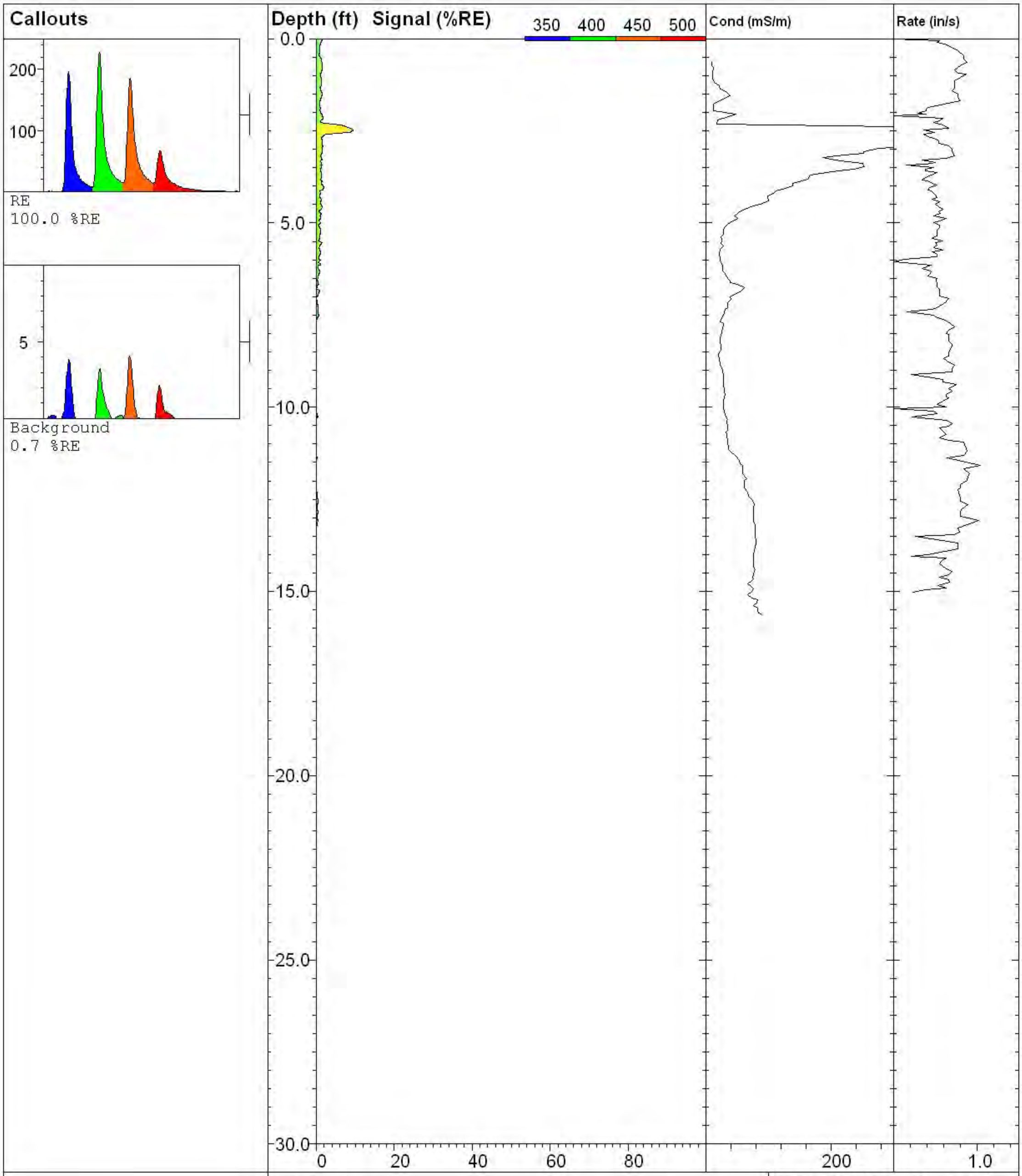
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.3 % @ 6.56 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/UVOST1003**	*Date & Time:* **2010-01-29 08:19 CST**



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LIF-071

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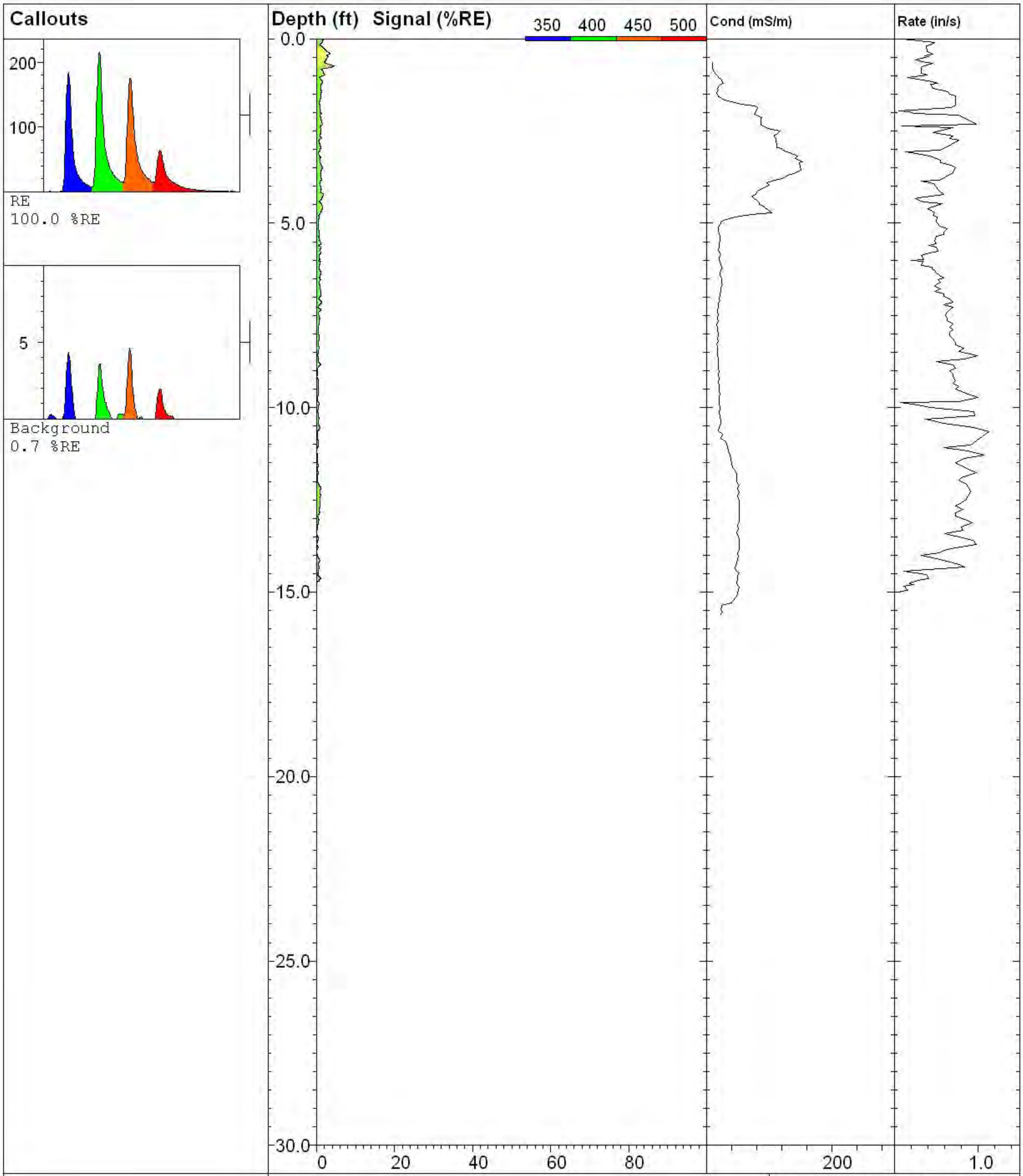
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **9.5 % @ 2.48 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/UVOST1003**	*Date & Time:* **2010-01-29 08:43 CST**



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LIF-072

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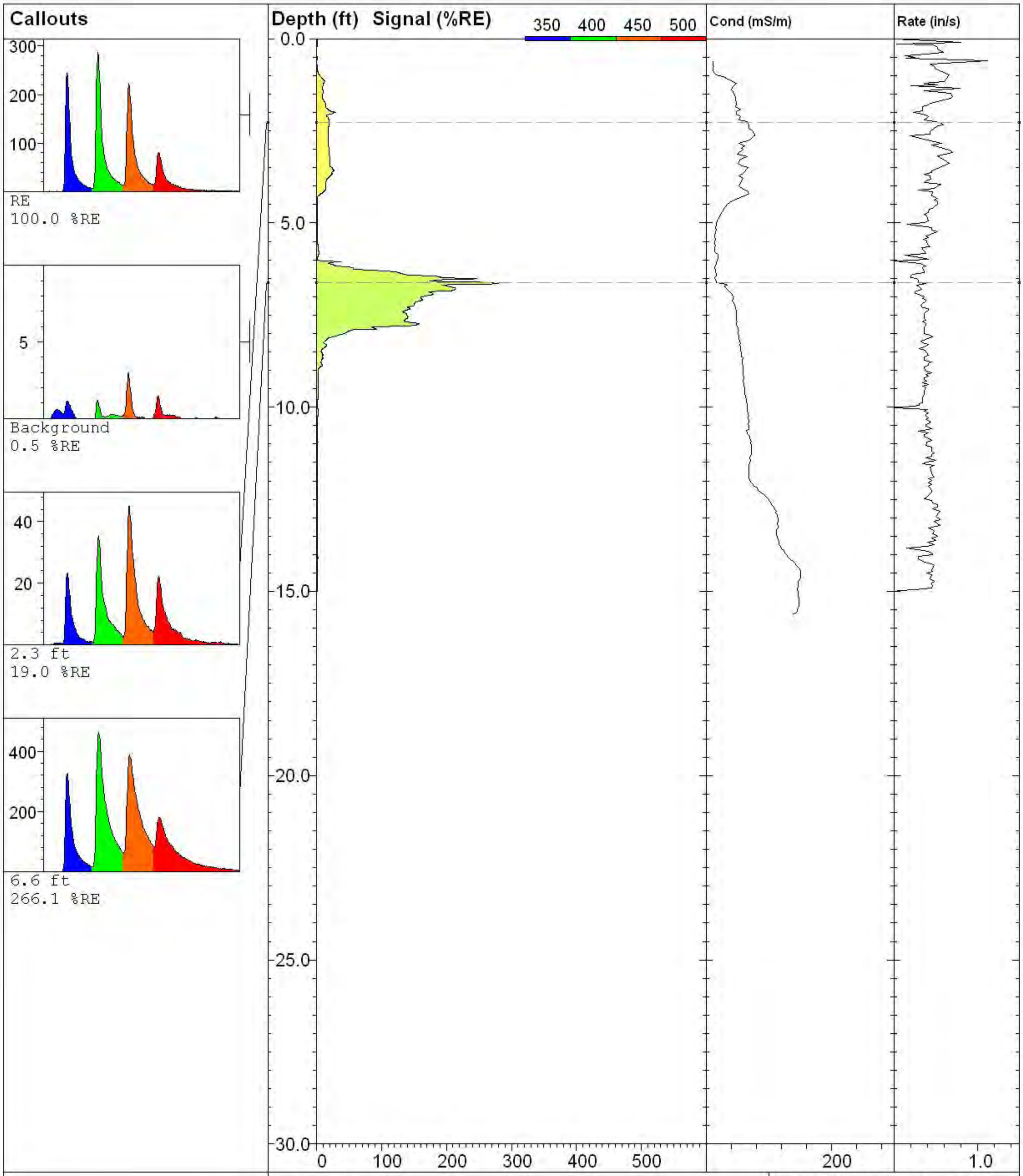
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **4.5 % @ 0.74 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/UVOST1003**	*Date & Time:* **2010-01-29 09:23 CST**



LIF-073		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **281.3 % @ 6.65 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/UVOST1003**	*Date & Time:* **2010-01-27 11:06 CST**

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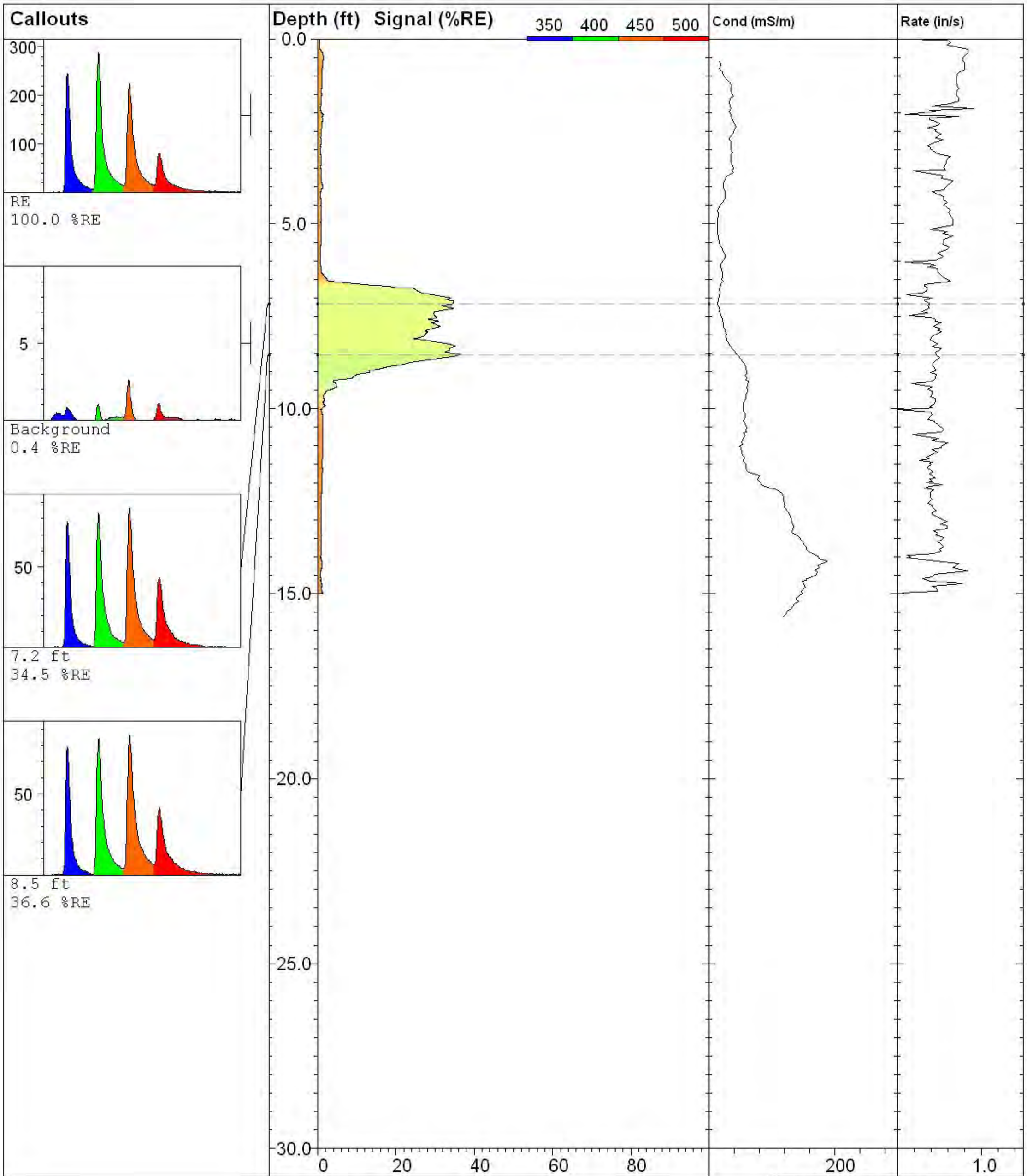

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LIF-074

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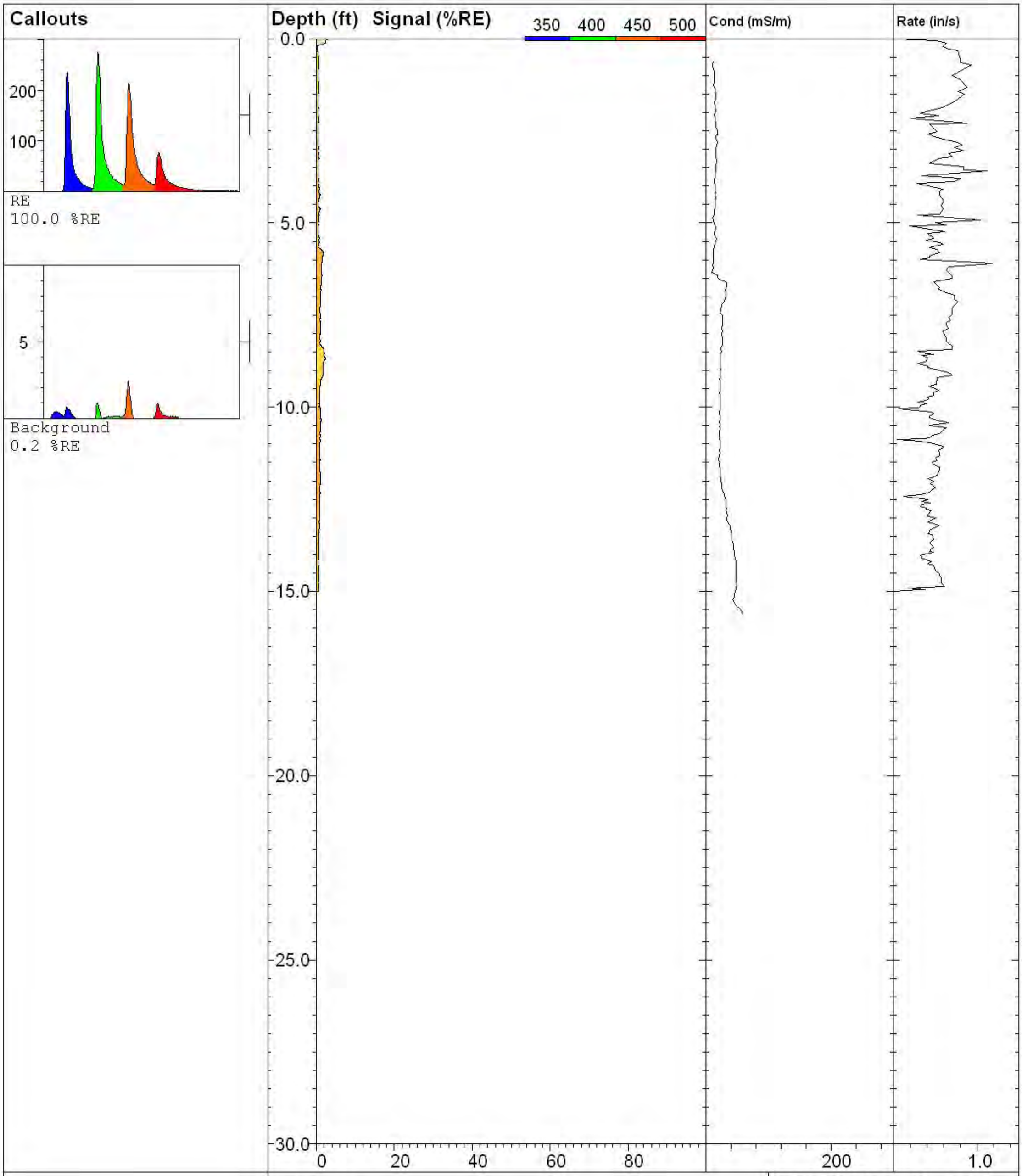
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **36.6 % @ 8.54 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/UVOST1003**	*Date & Time:* **2010-01-27 10:36 CST**



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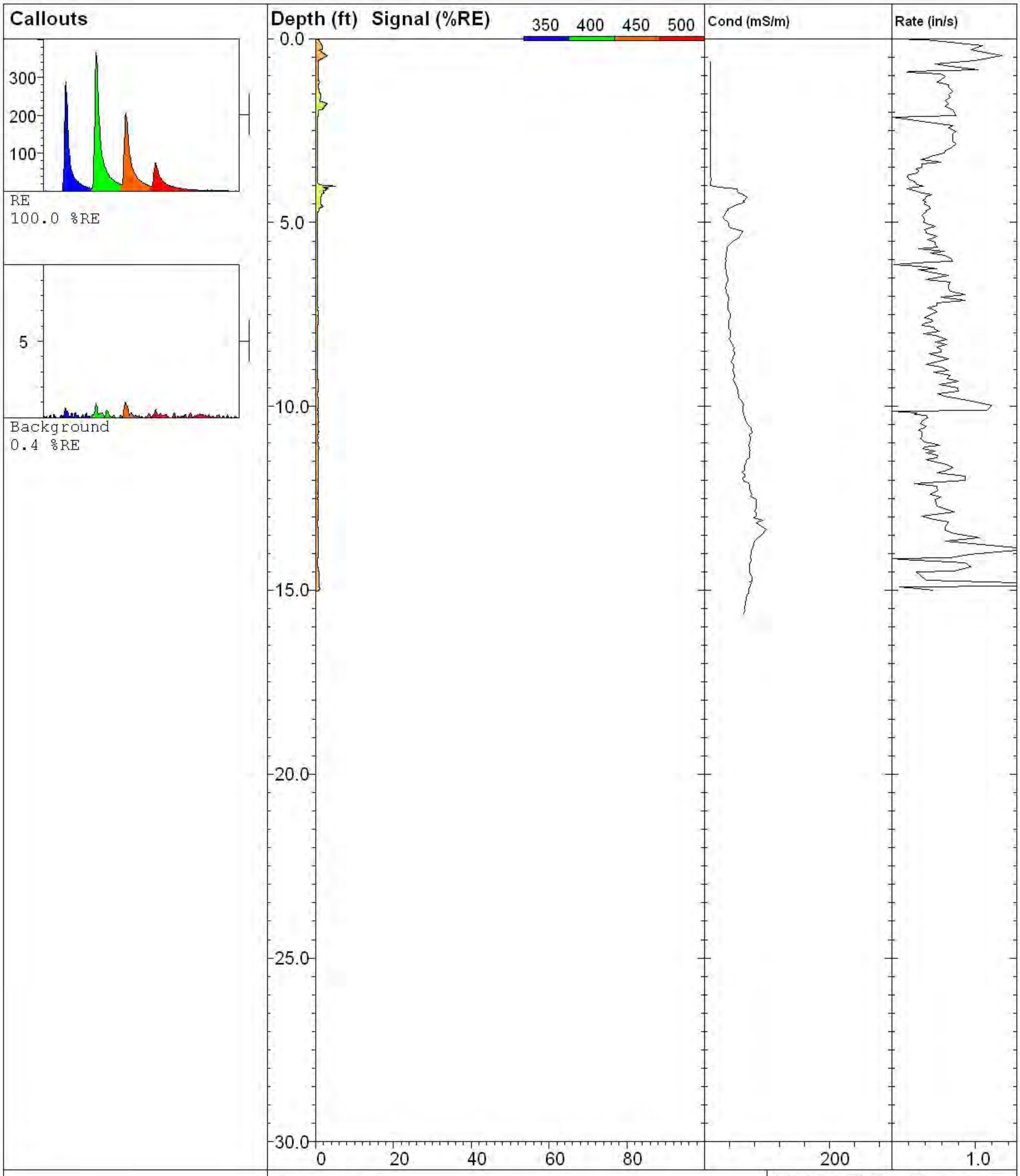
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.9 % @ 0.01 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/UVOST1003**	*Date & Time:* **2010-01-27 10:05 CST**



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LIF-077

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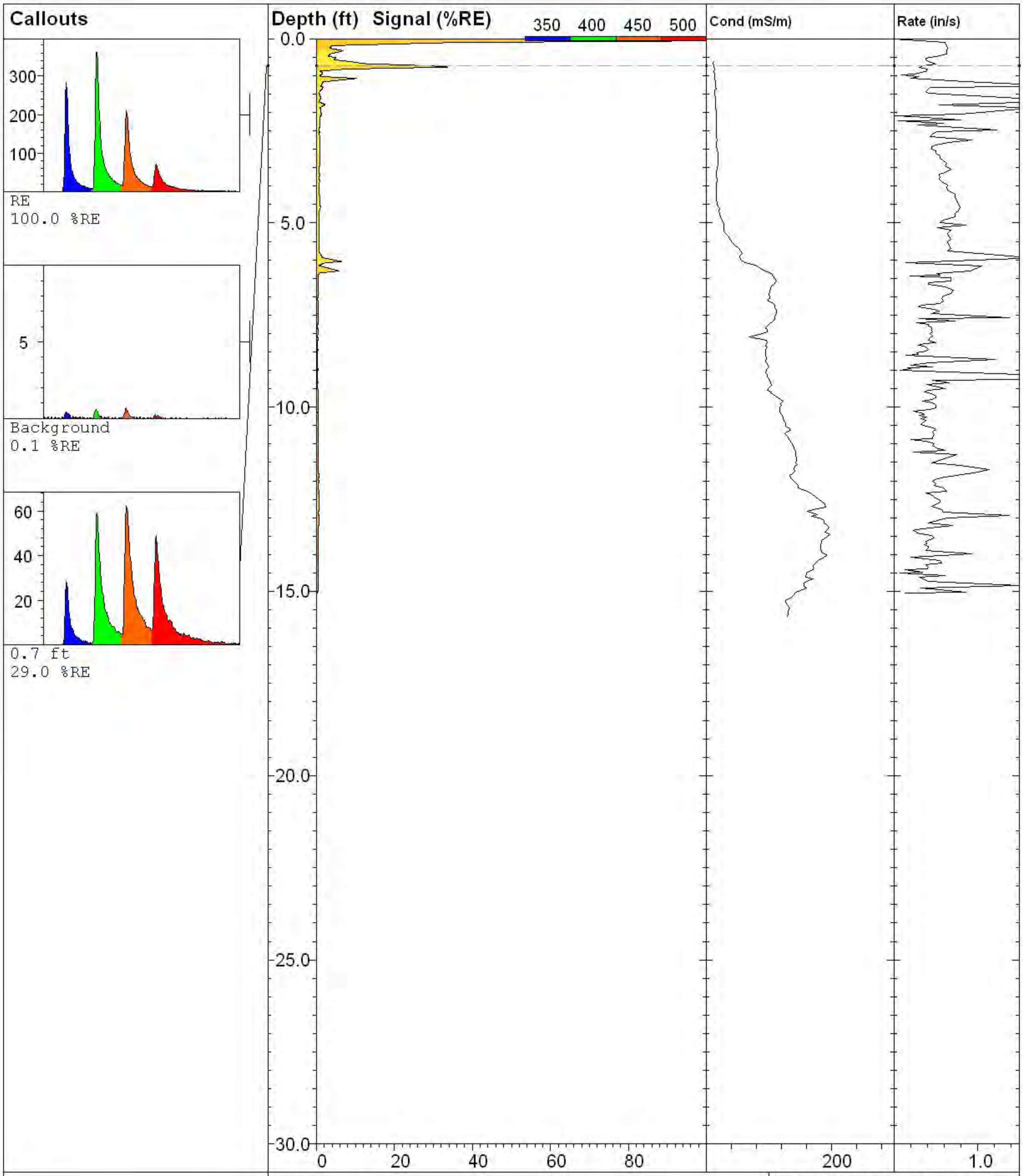
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.03 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **5.1 % @ 4.01 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-29 09:20 CST**



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LIF-092

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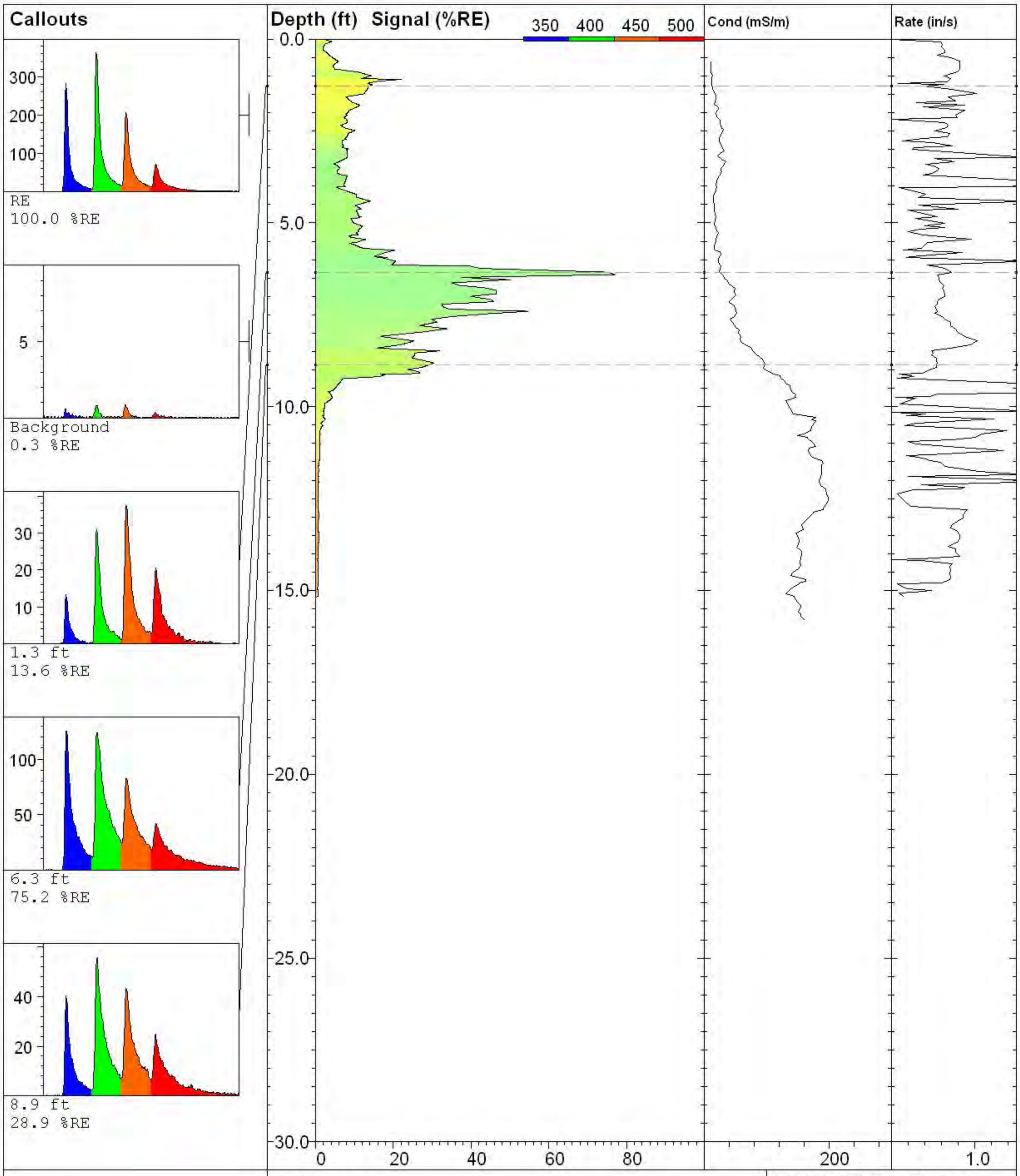
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.05 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **174.8 % @ 0.01 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-28 09:29 CST**



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LIF-093

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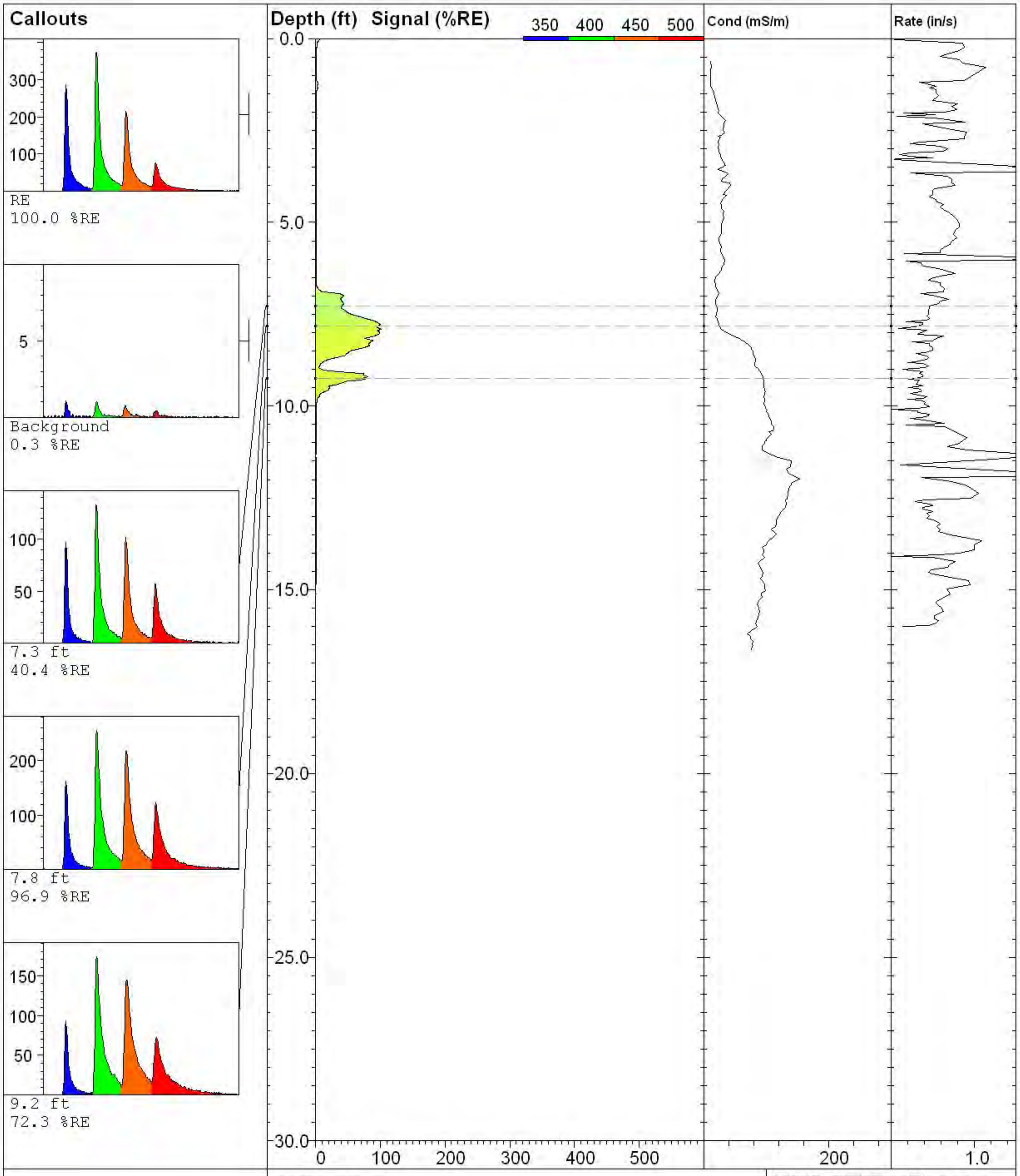
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.17 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **77.1 % @ 6.41 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-28 08:58 CST**



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LIF-126

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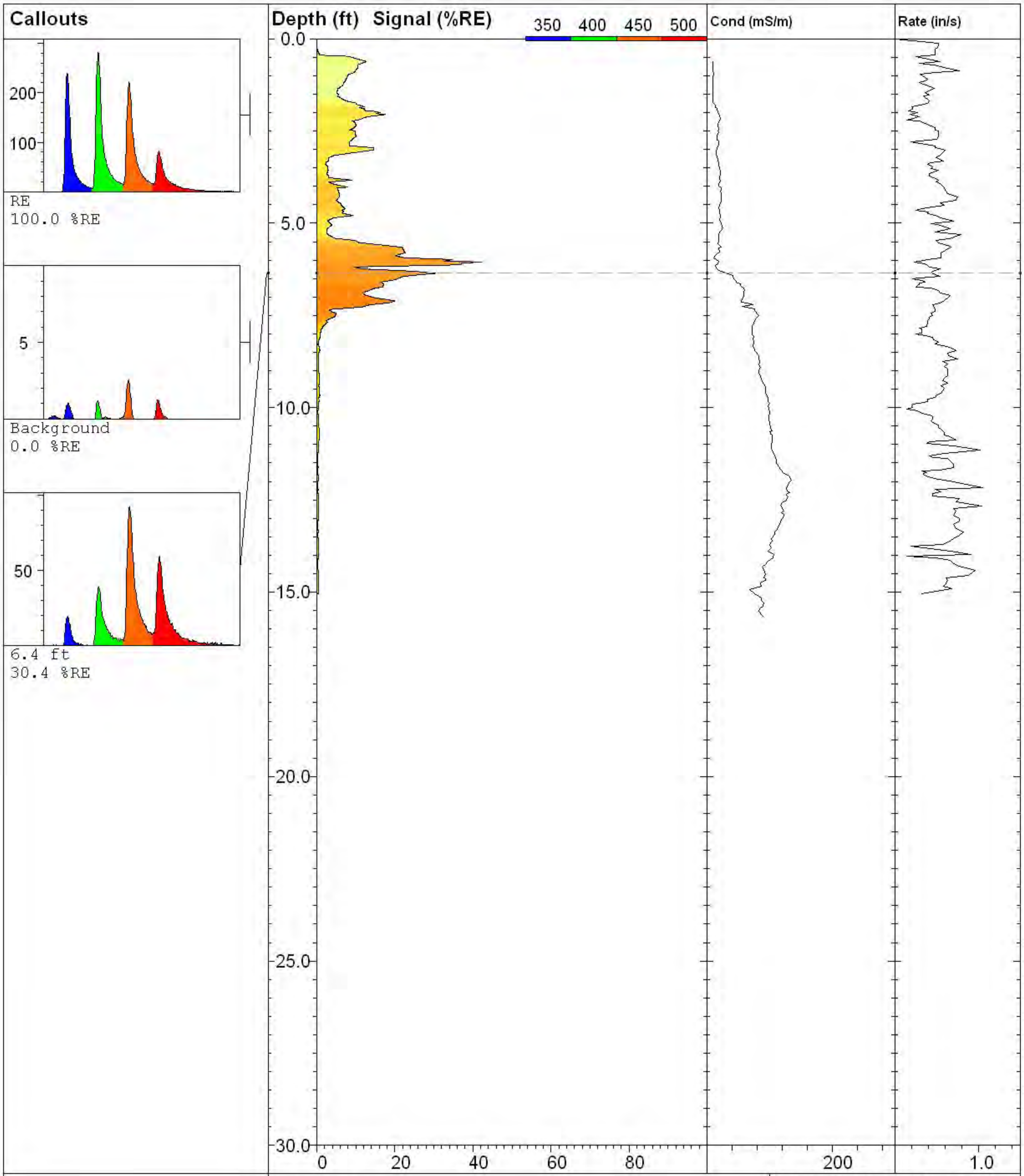
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.01 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **101.0 % @ 7.90 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-27 13:17 CST**



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LIF-127

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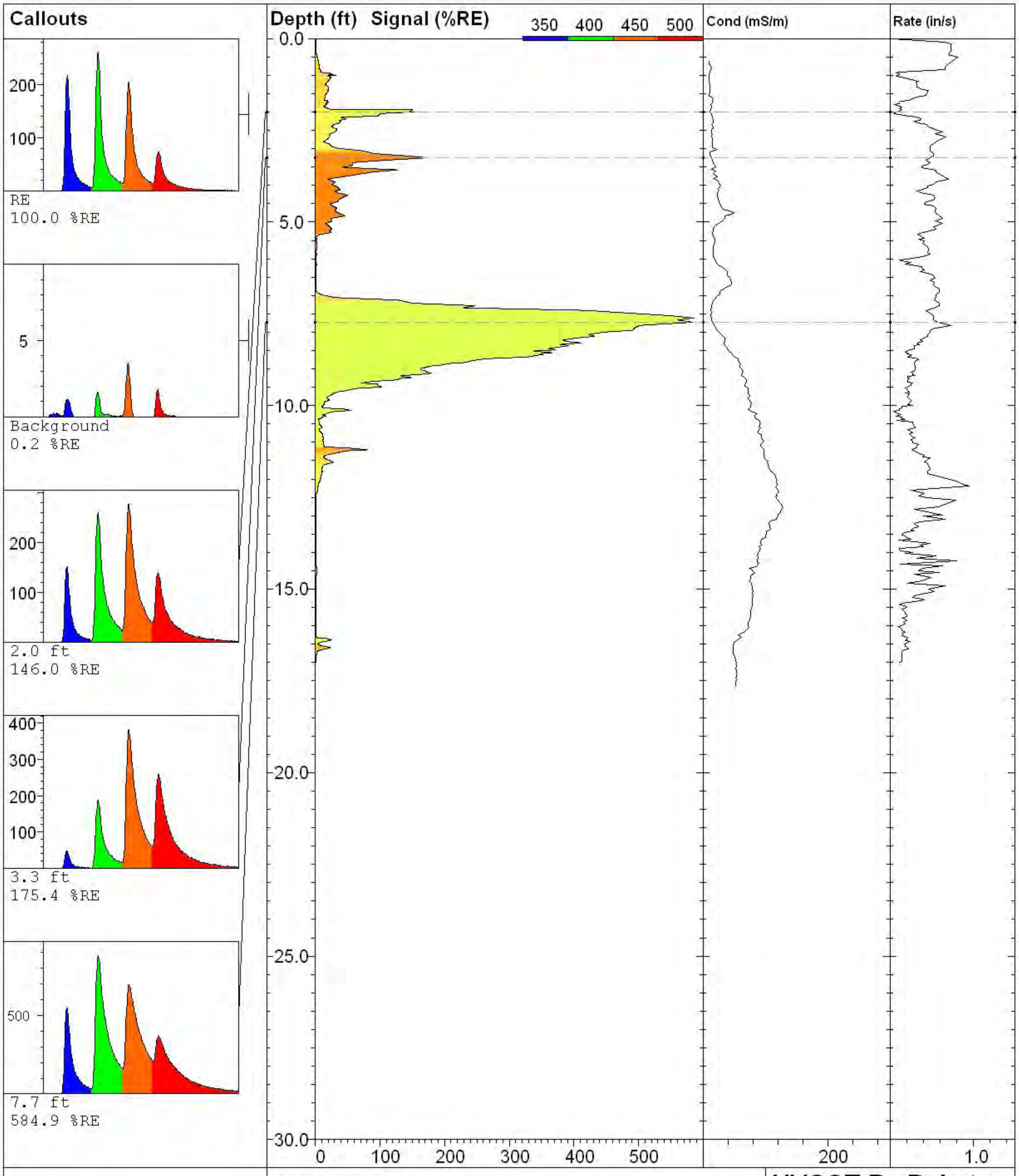
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.04 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **42.3 % @ 6.05 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-28 08:33 CST**



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LIF-128

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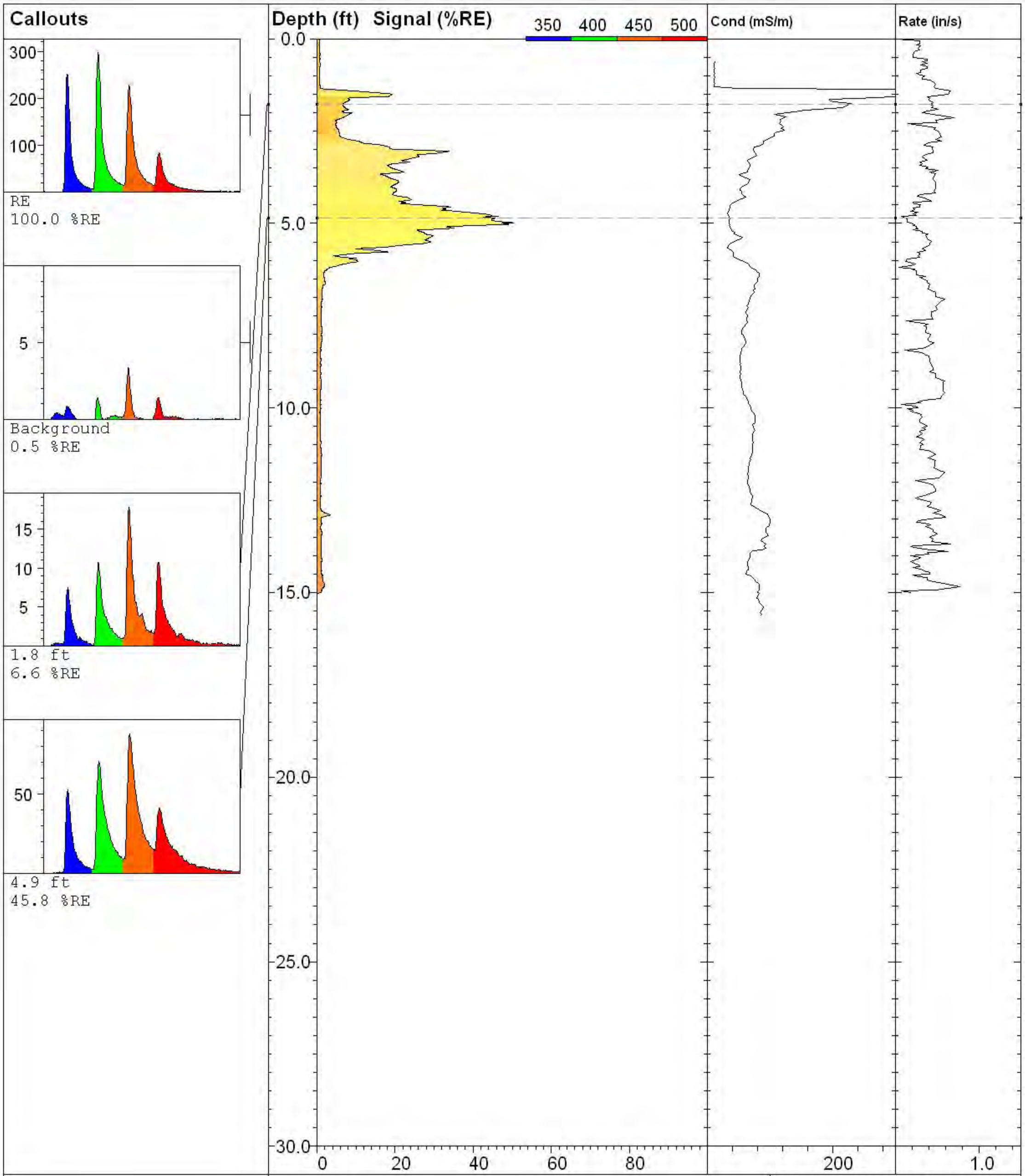
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **17.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **585.5 % @ 7.62 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-28 09:01 CST**



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LIF-129

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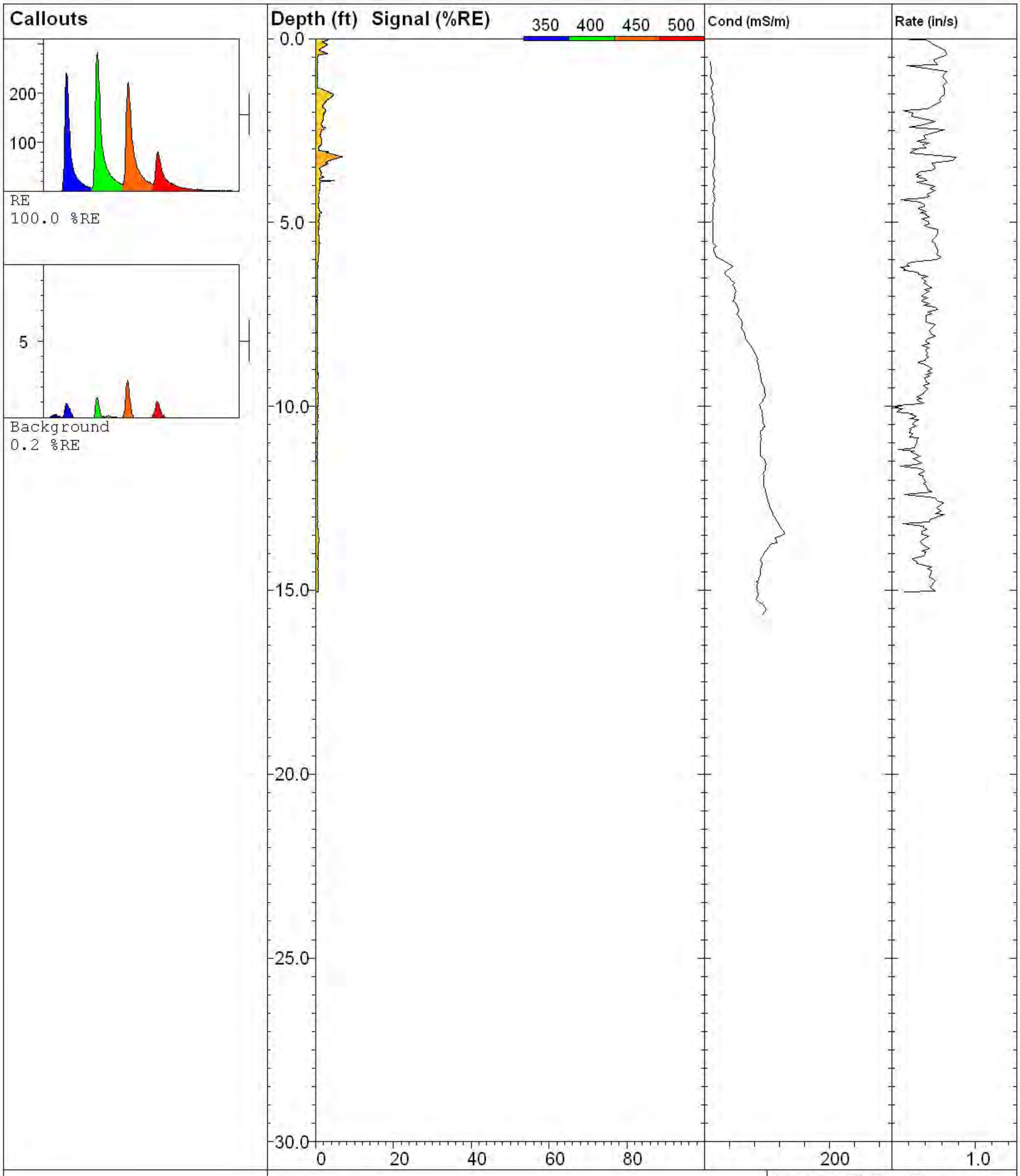
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **50.2 % @ 4.98 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-27 14:50 CST**



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LIF-130

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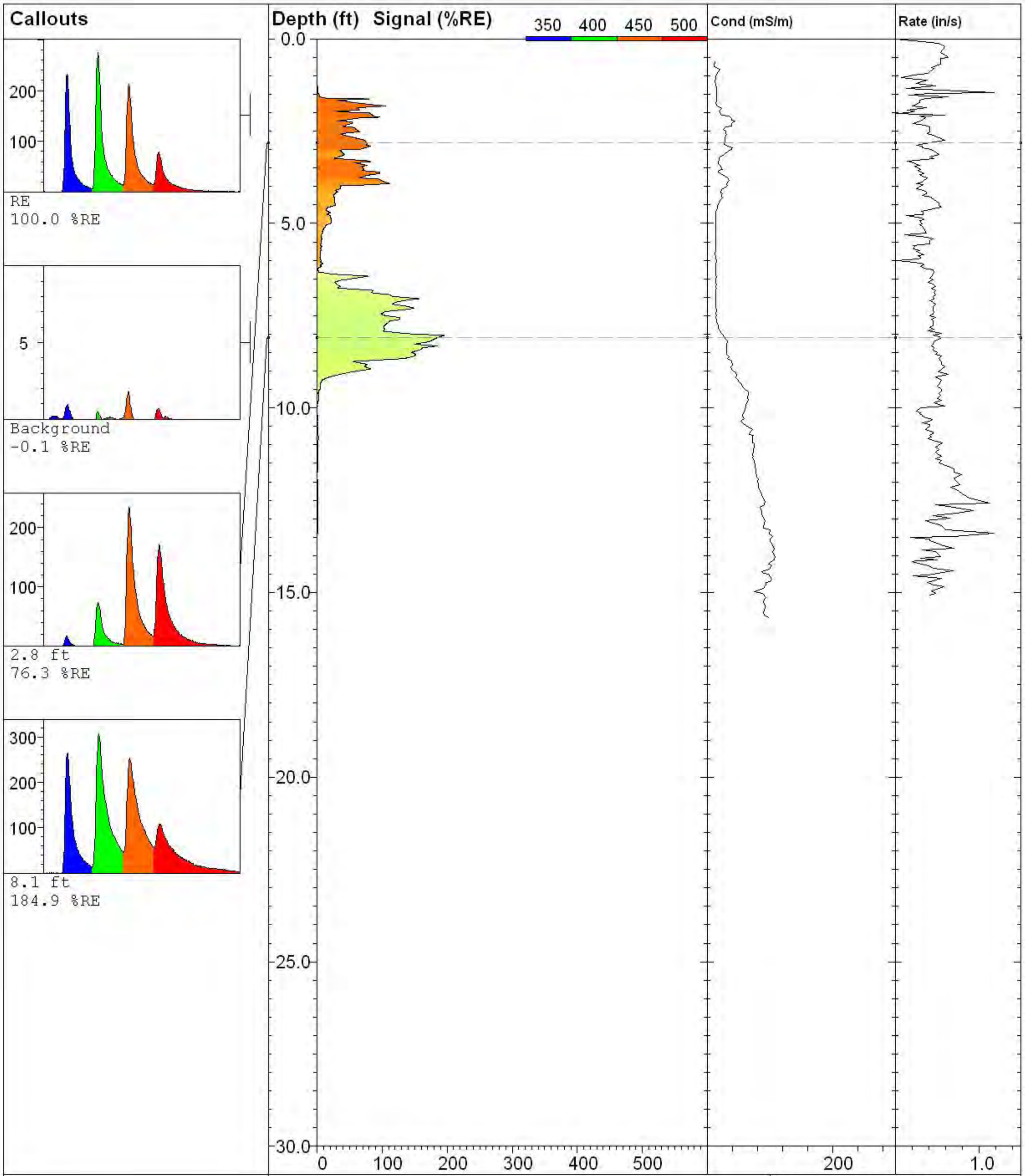
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.05 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **6.8 % @ 3.22 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-27 13:33 CST**



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LIF-131

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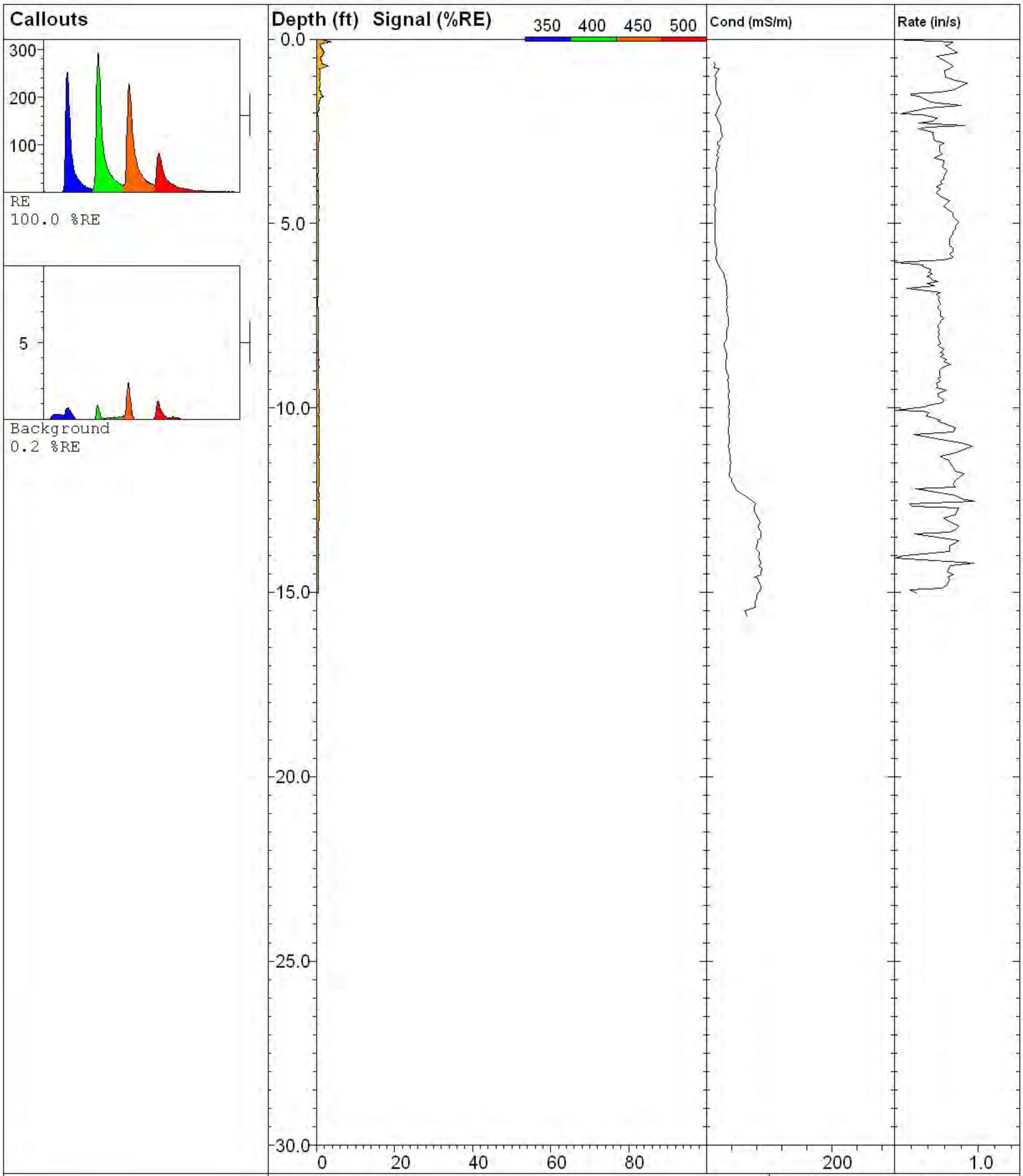
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.07 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **195.4 % @ 8.03 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-28 10:59 CST**



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LIF-132

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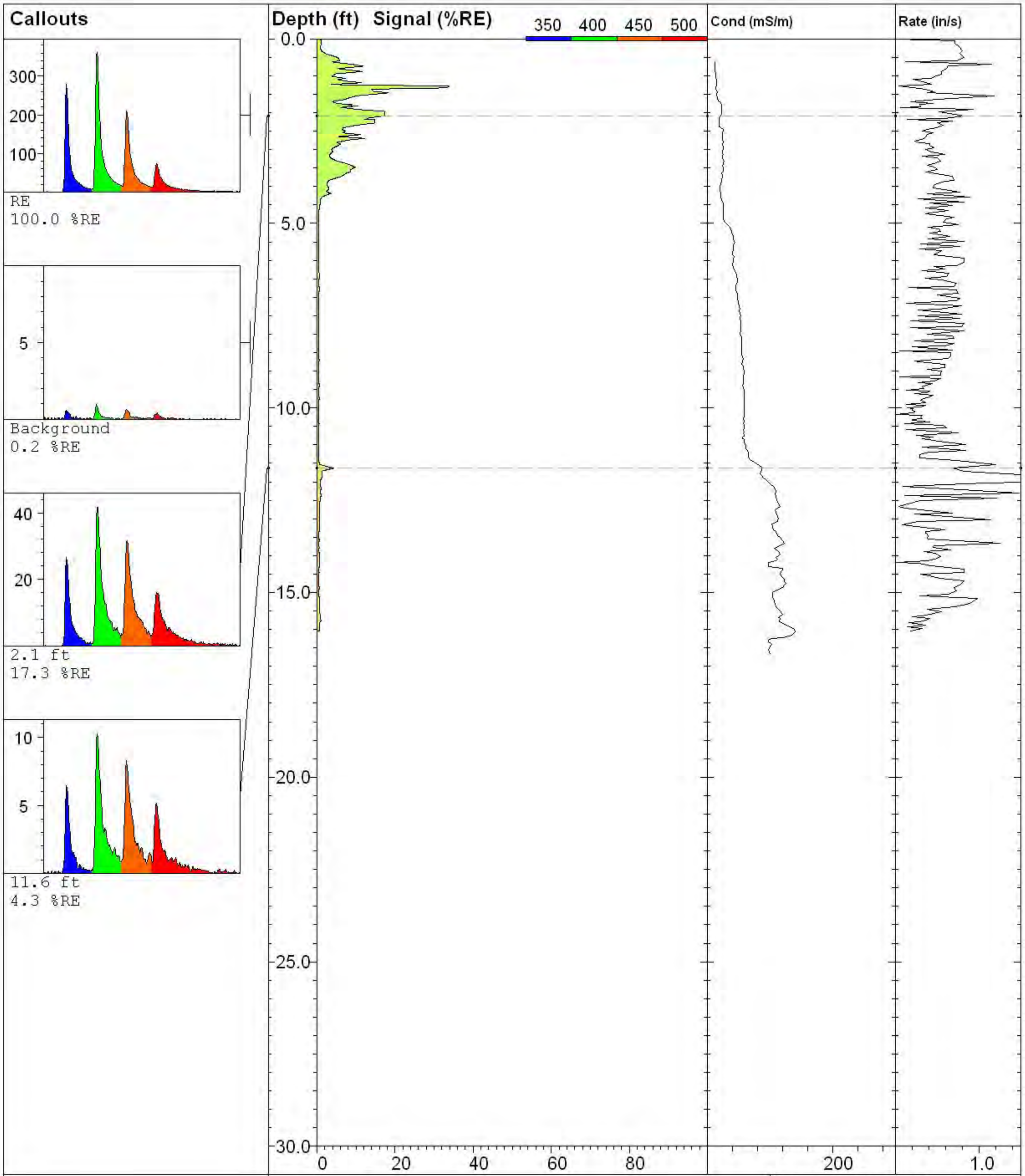
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.5 % @ 0.07 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/UVOST1003**	*Date & Time:* **2010-01-27 09:28 CST**



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LIF-133

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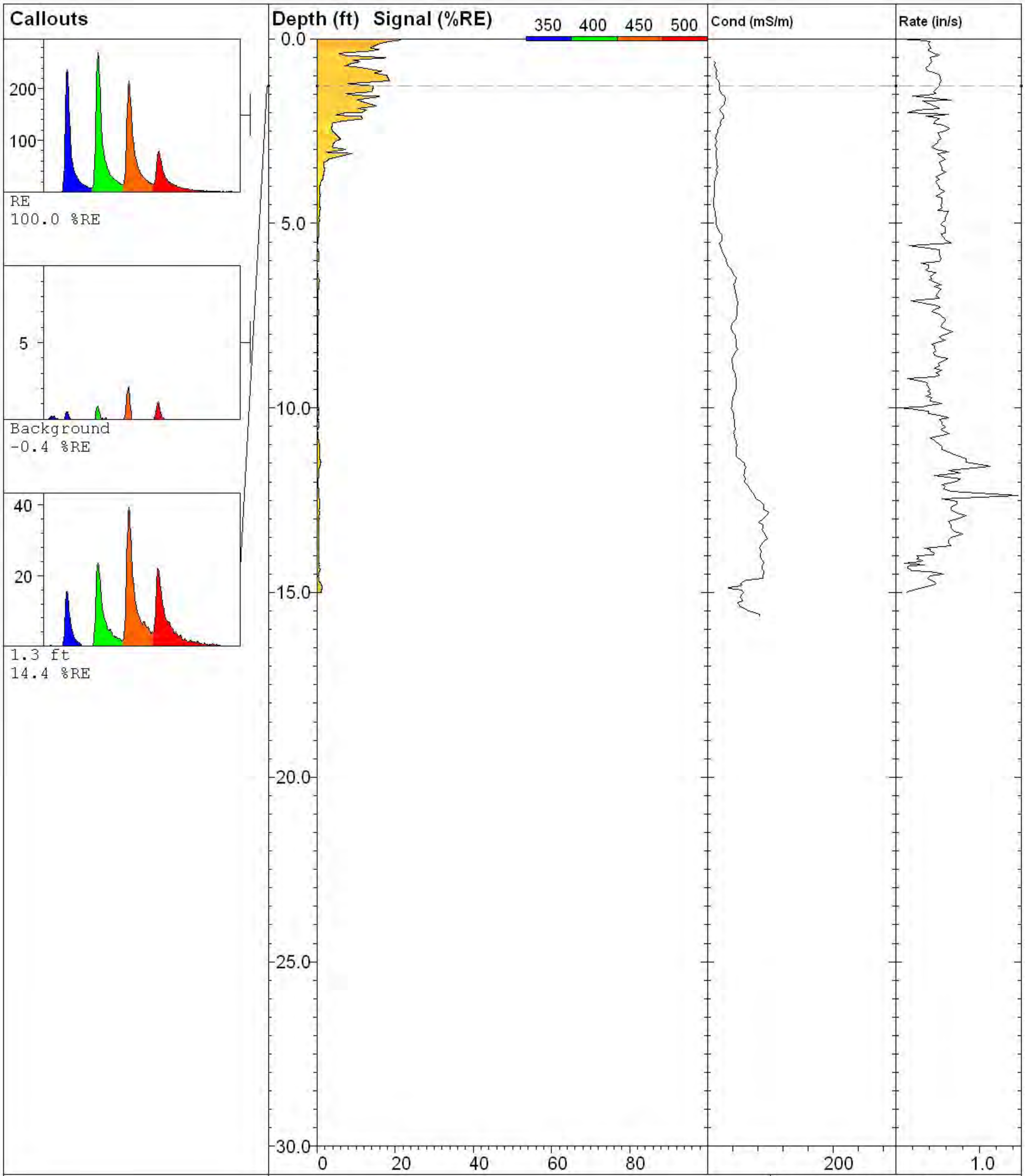
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.03 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **33.8 % @ 1.28 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-27 14:13 CST**



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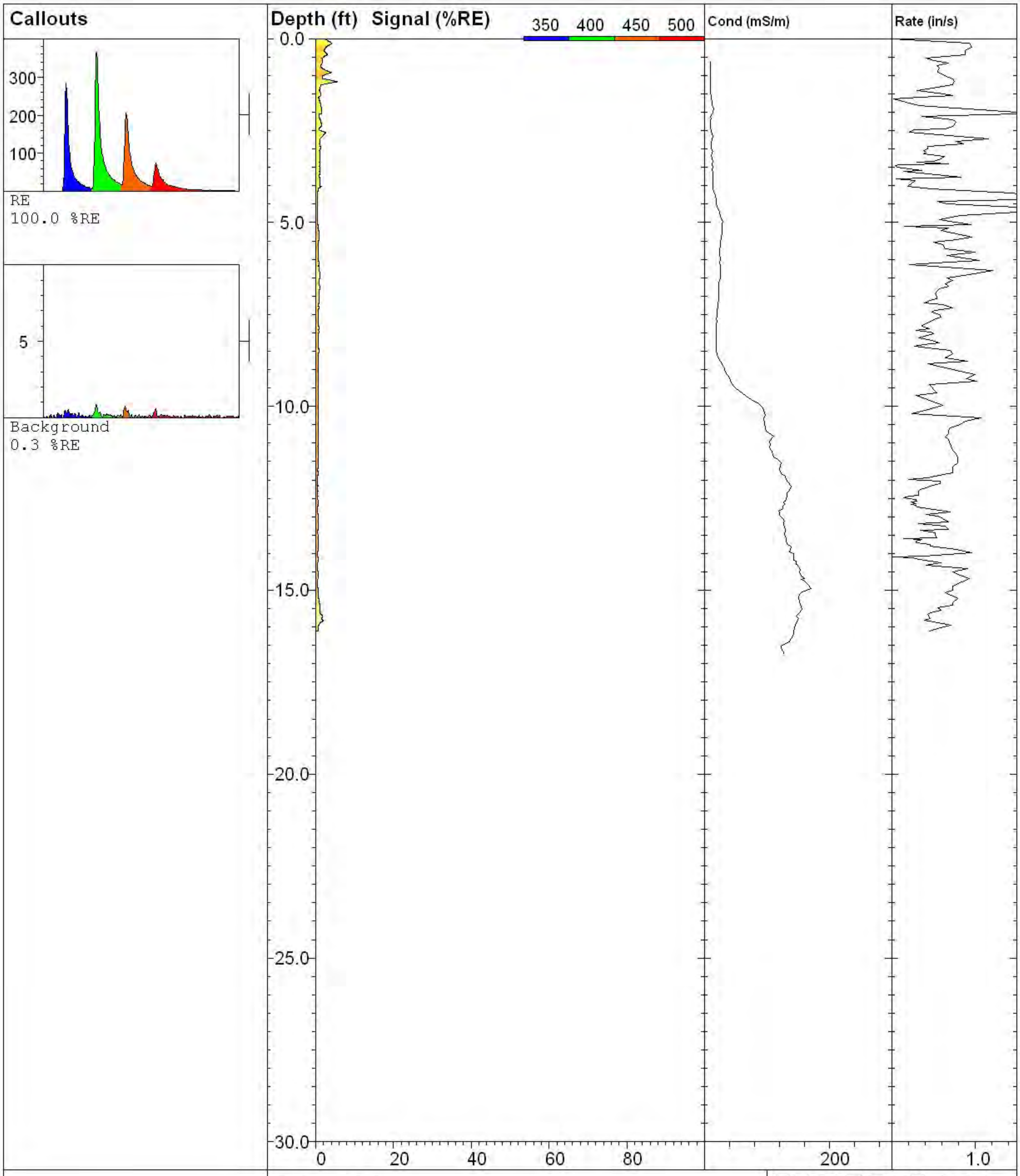
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **21.4 % @ 0.04 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/UVOST1003**	*Date & Time:* **2010-01-27 08:29 CST**



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LIF-146

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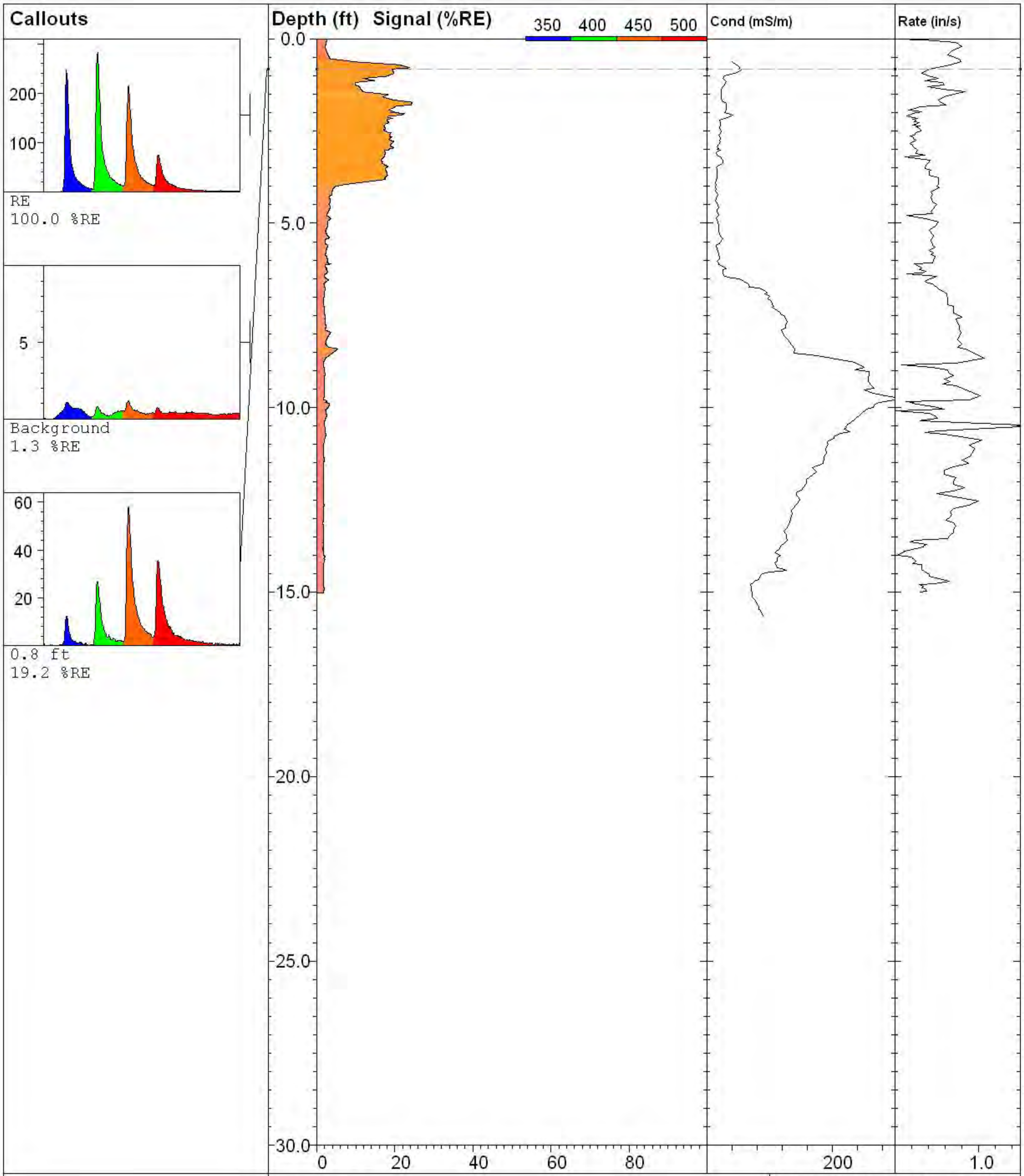
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.11 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **5.6 % @ 1.17 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-29 08:35 CST**



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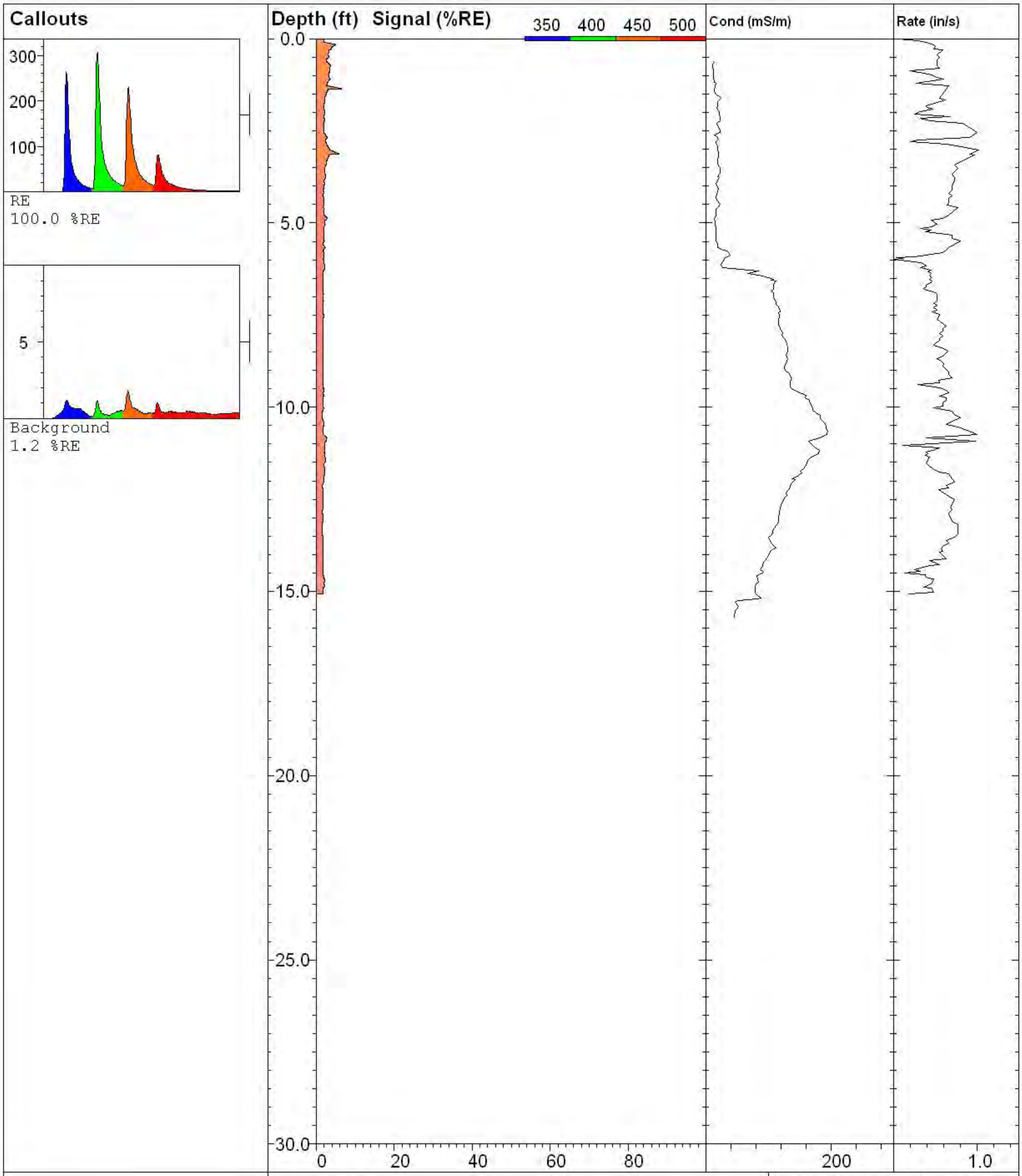
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.03 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **24.5 % @ 1.73 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-25 12:51 CST**



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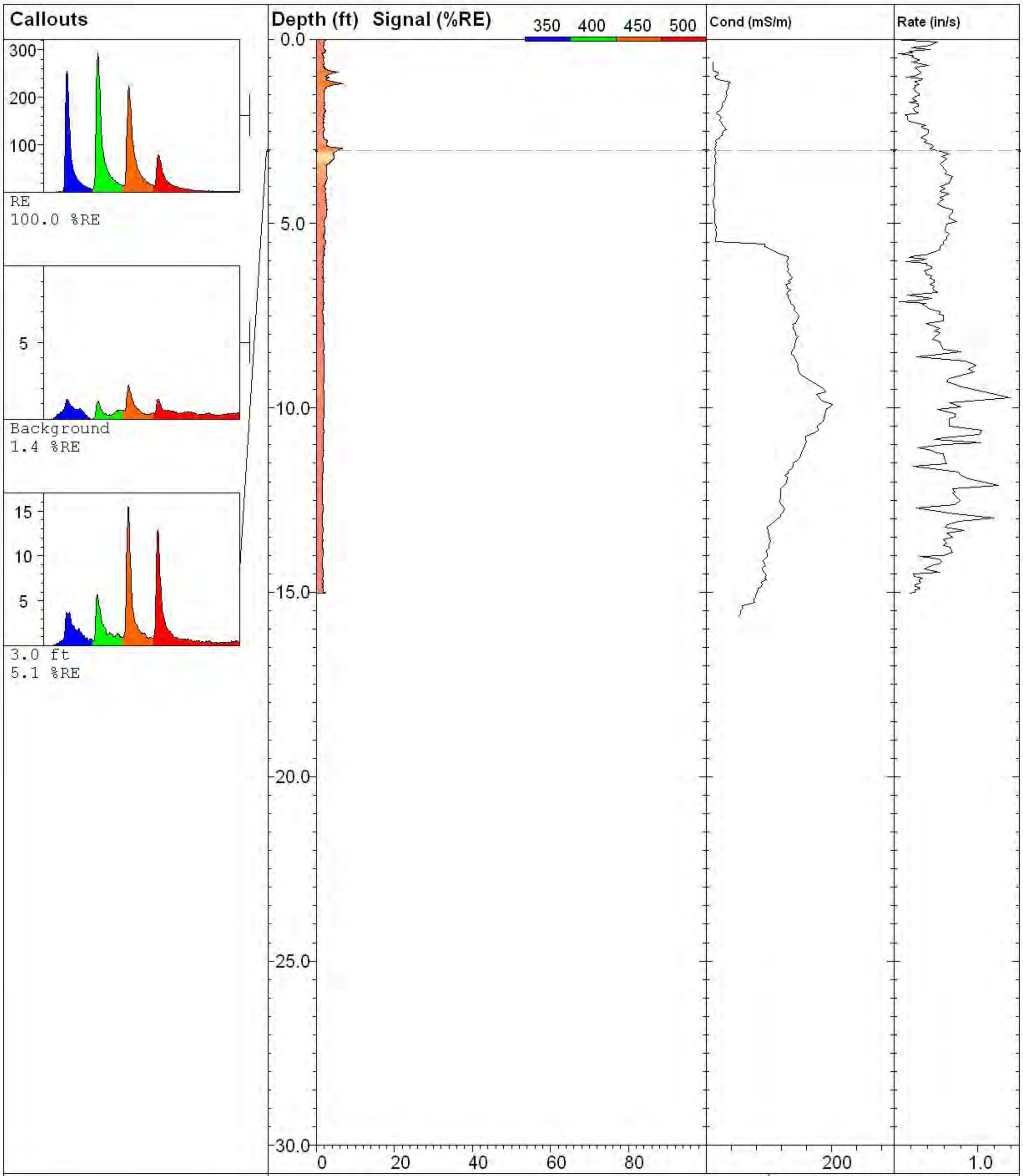
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.08 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **6.6 % @ 1.36 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-25 12:28 CST**



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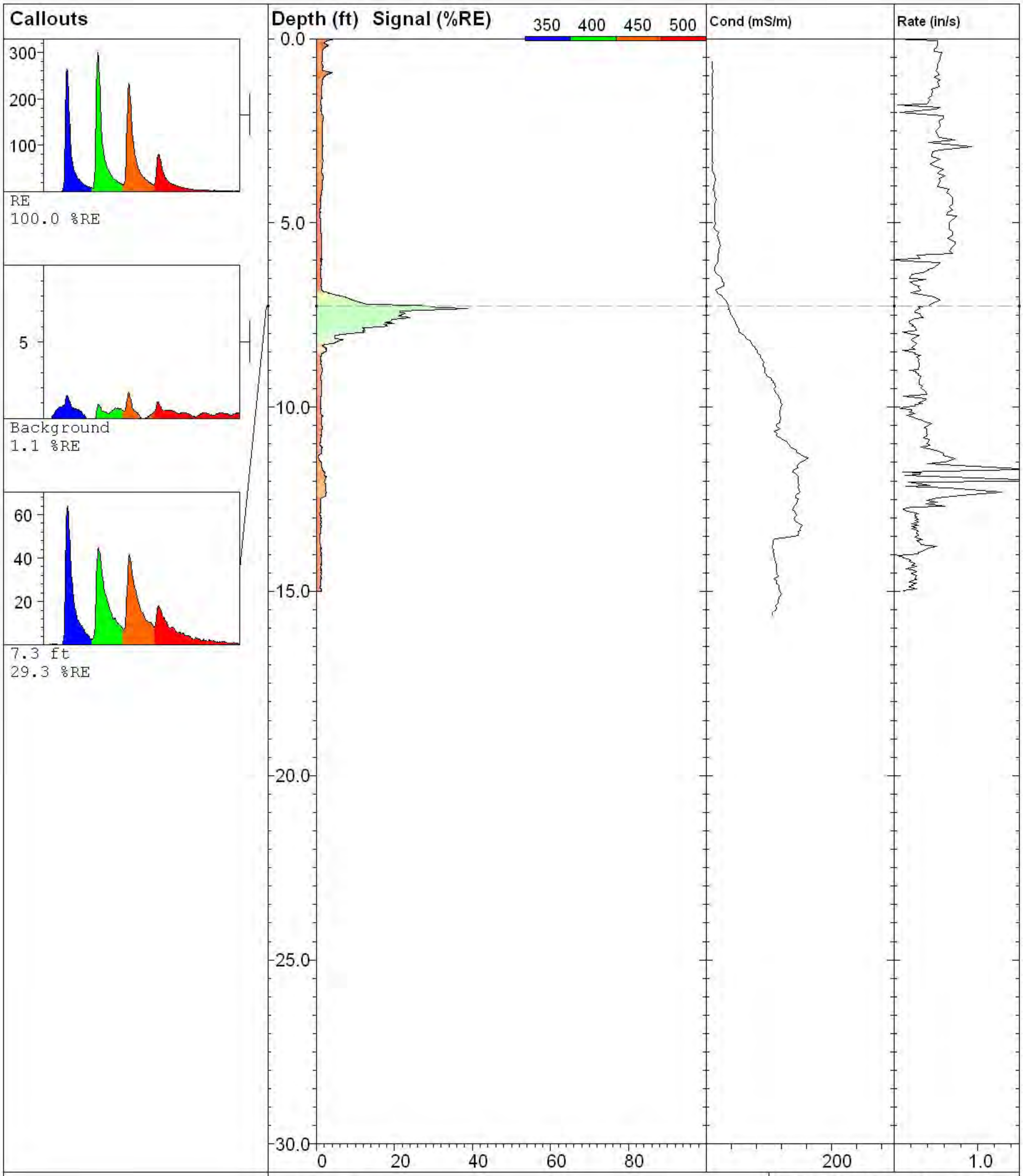
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.02 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **6.8 % @ 1.21 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-25 11:52 CST**



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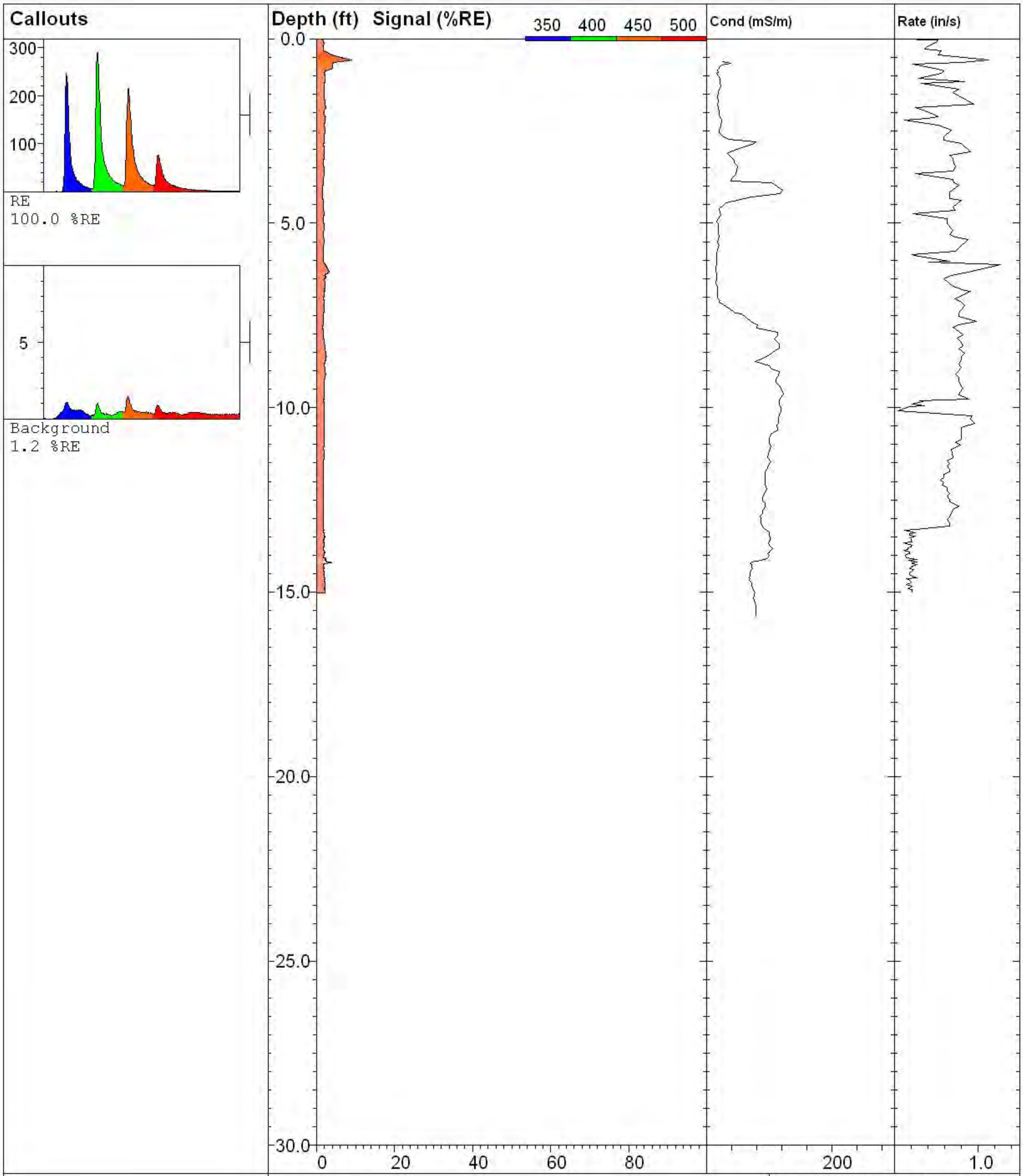
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **39.0 % @ 7.33 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-26 08:27 CST**



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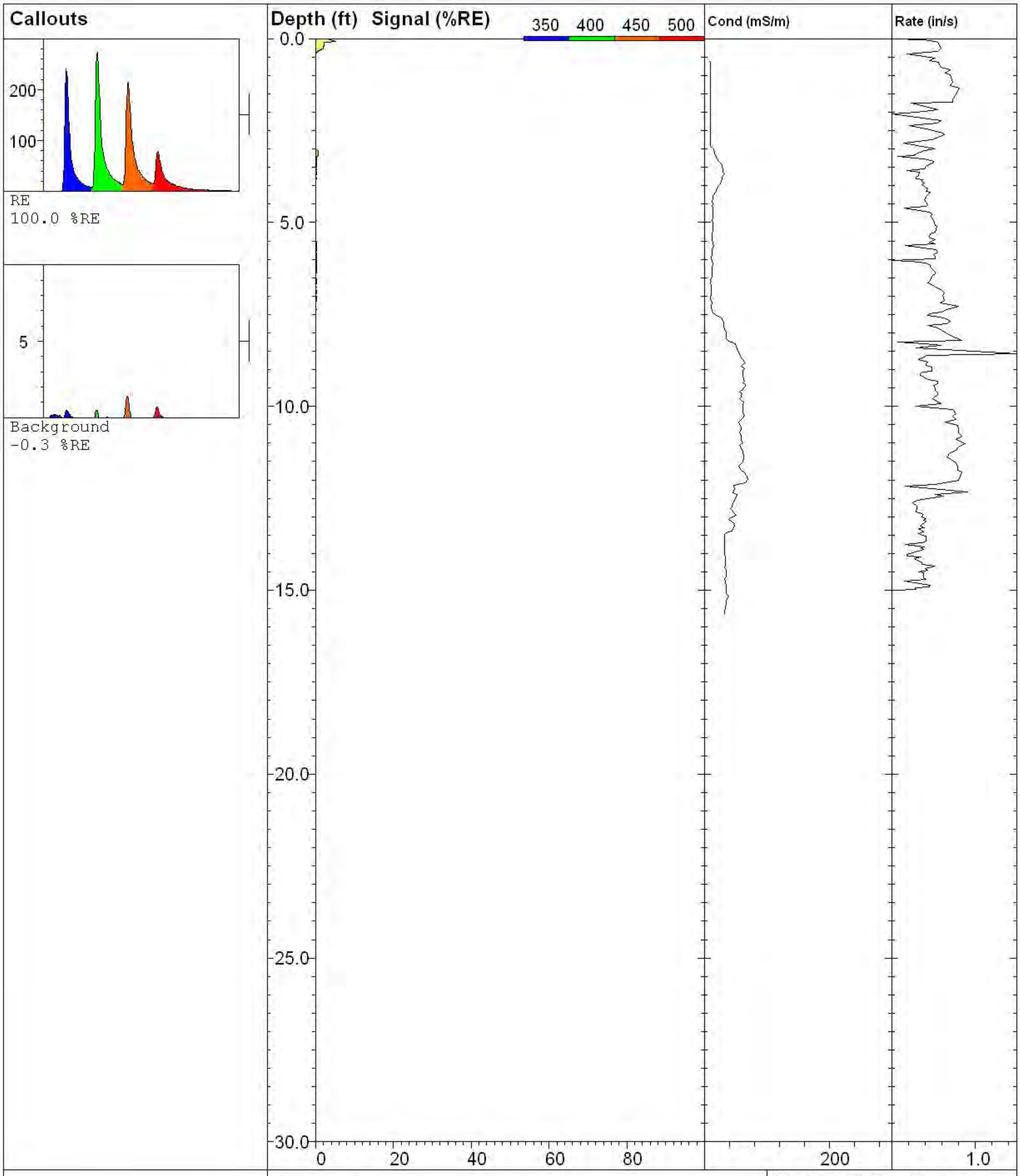
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.02 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **8.9 % @ 0.58 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-25 14:25 CST**



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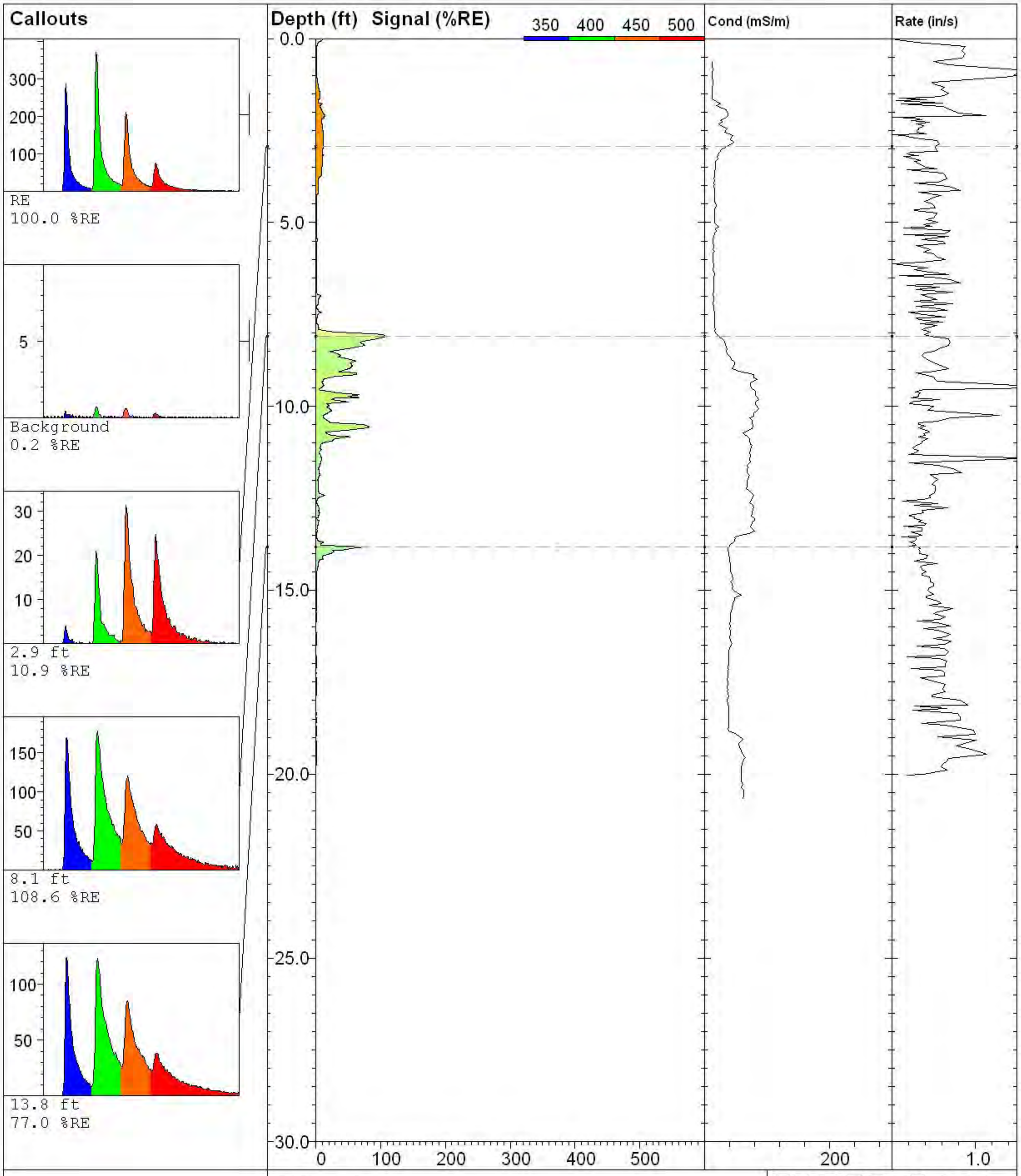
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **5.1 % @ 0.08 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-26 15:30 CST**



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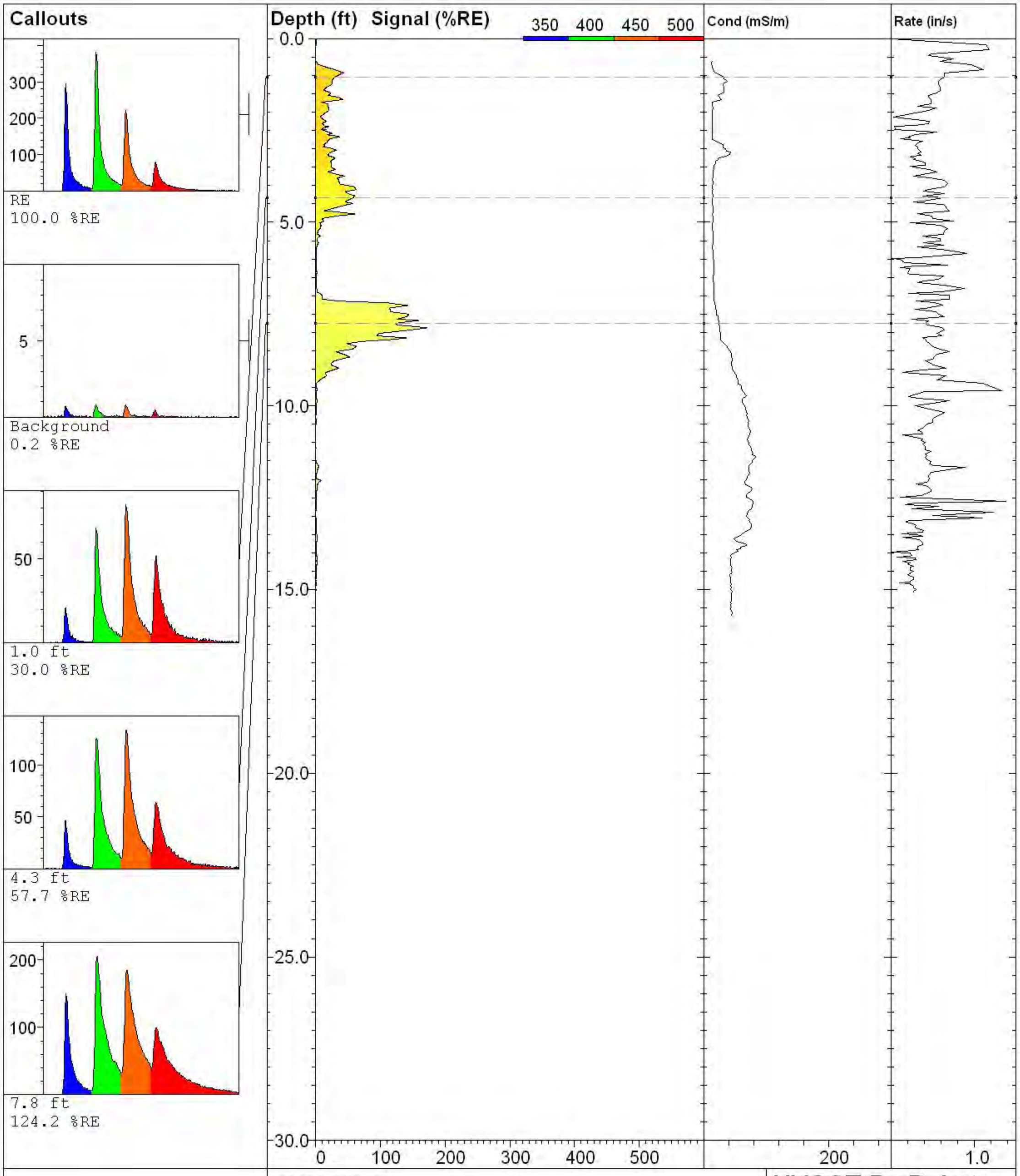
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **20.04 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **108.6 % @ 8.10 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-27 14:58 CST**



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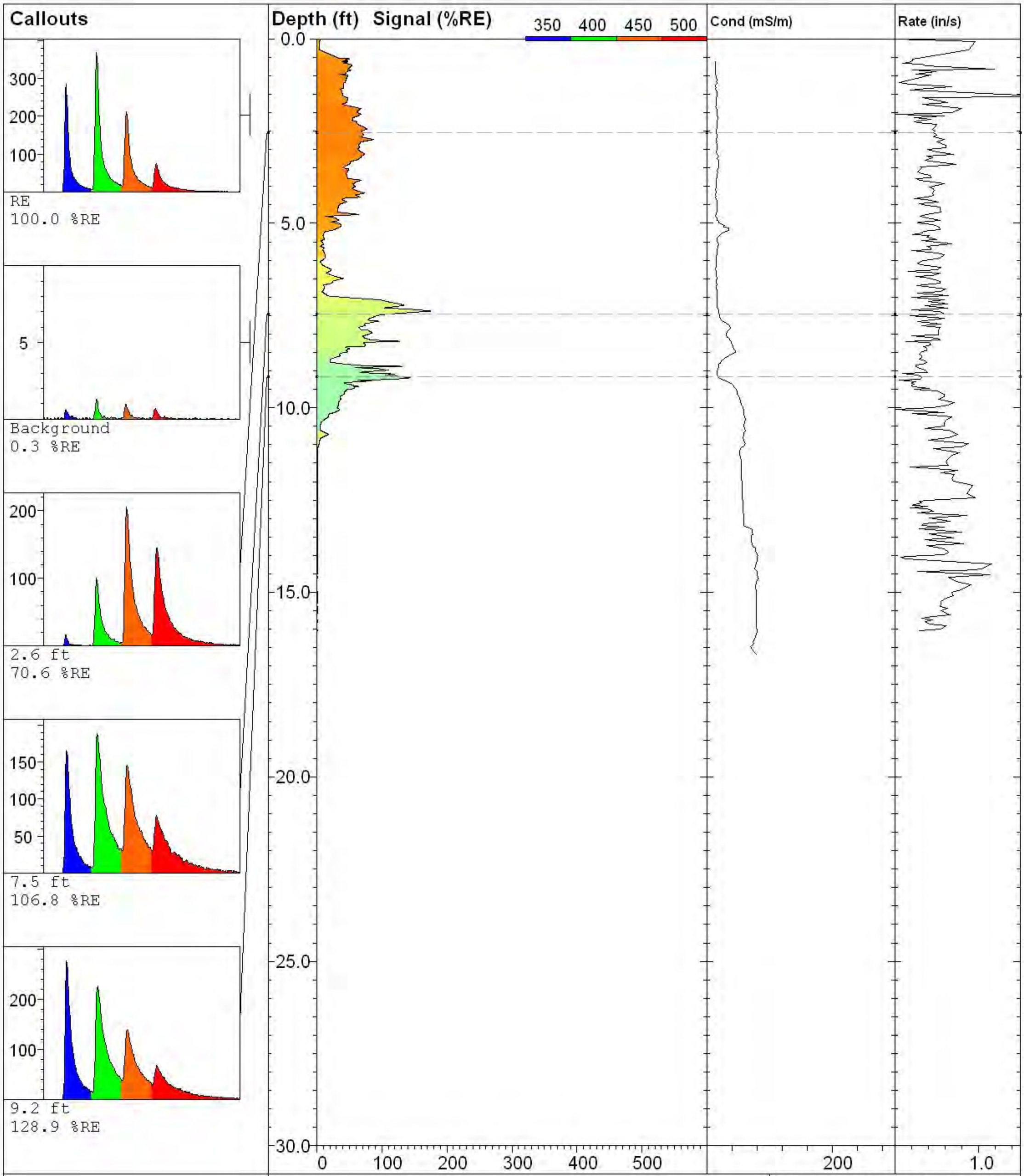
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.08 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **172.2 % @ 7.88 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-27 15:41 CST**



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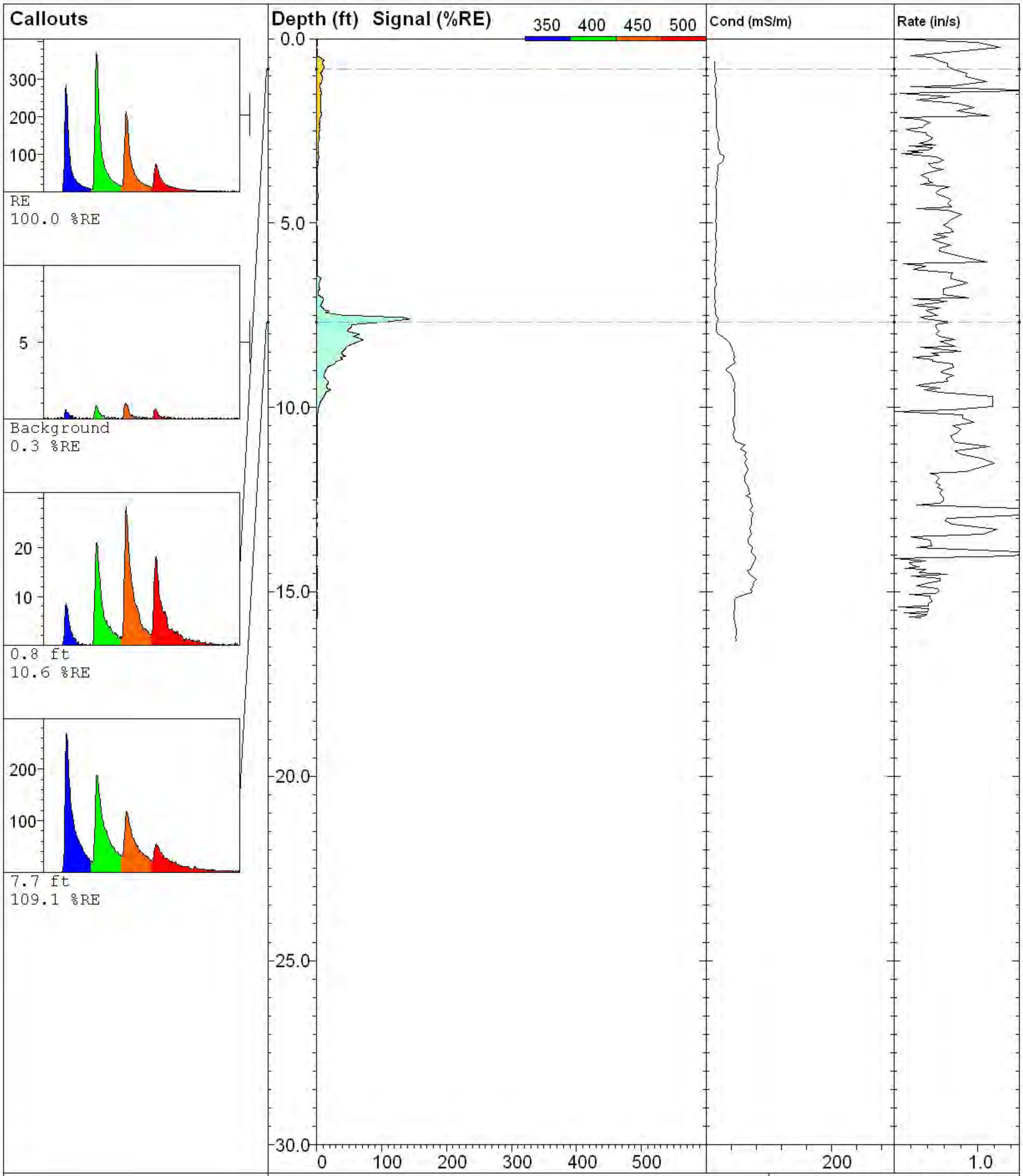
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.05 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **175.7 % @ 7.38 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-27 16:30 CST**



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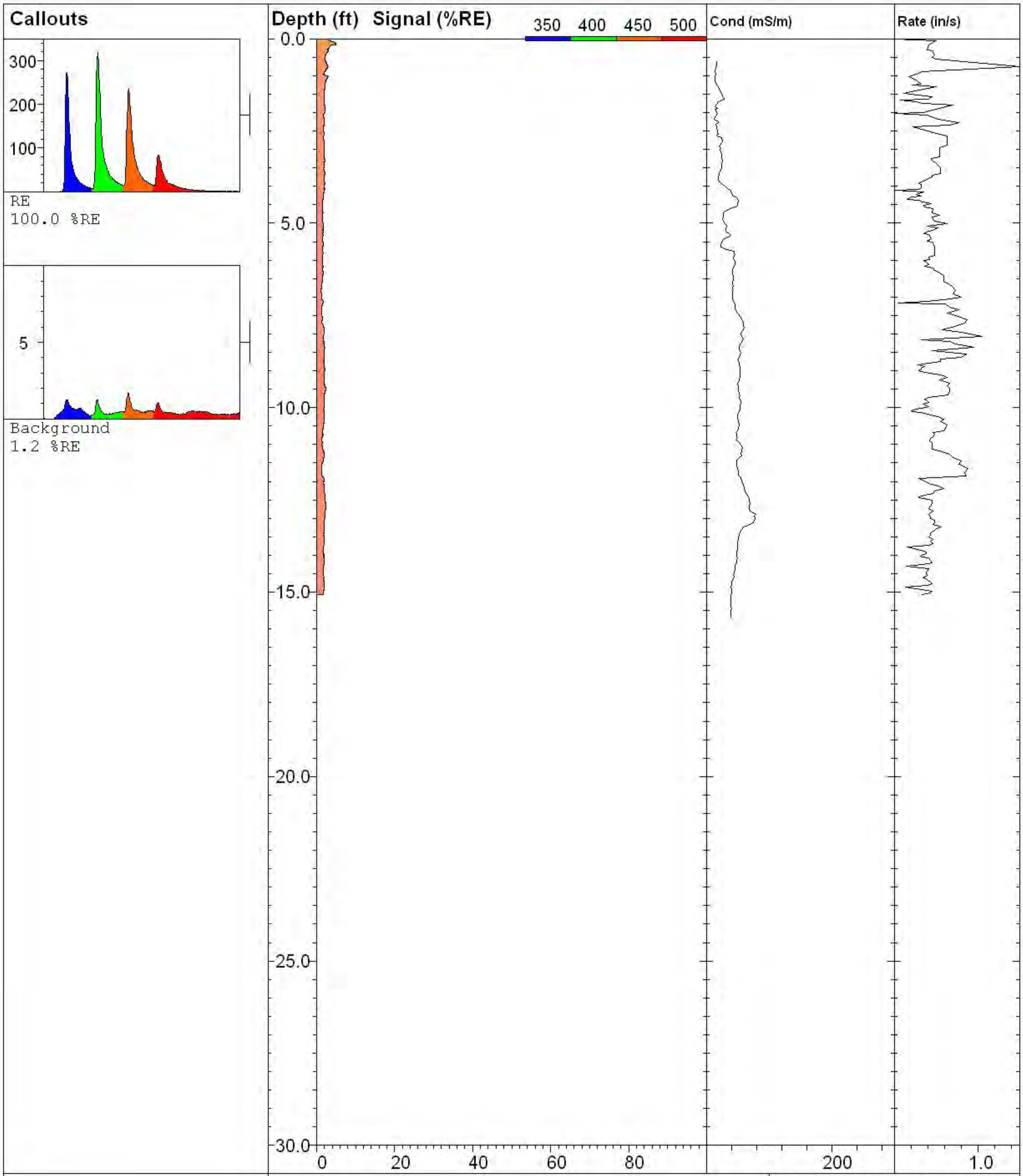
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.72 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **143.5 % @ 7.60 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-27 17:37 CST**



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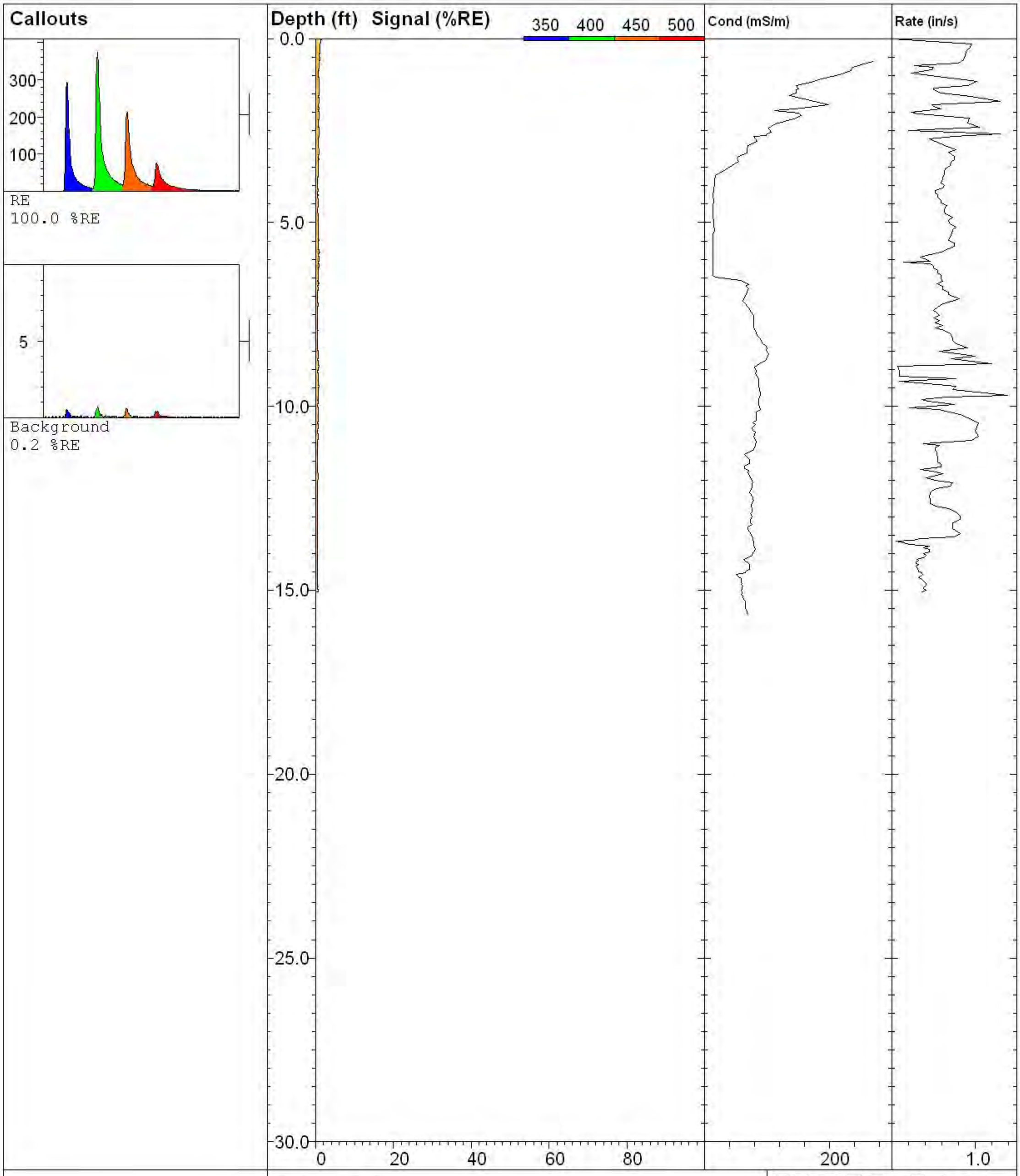
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.06 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **4.9 % @ 0.16 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-25 16:45 CST**



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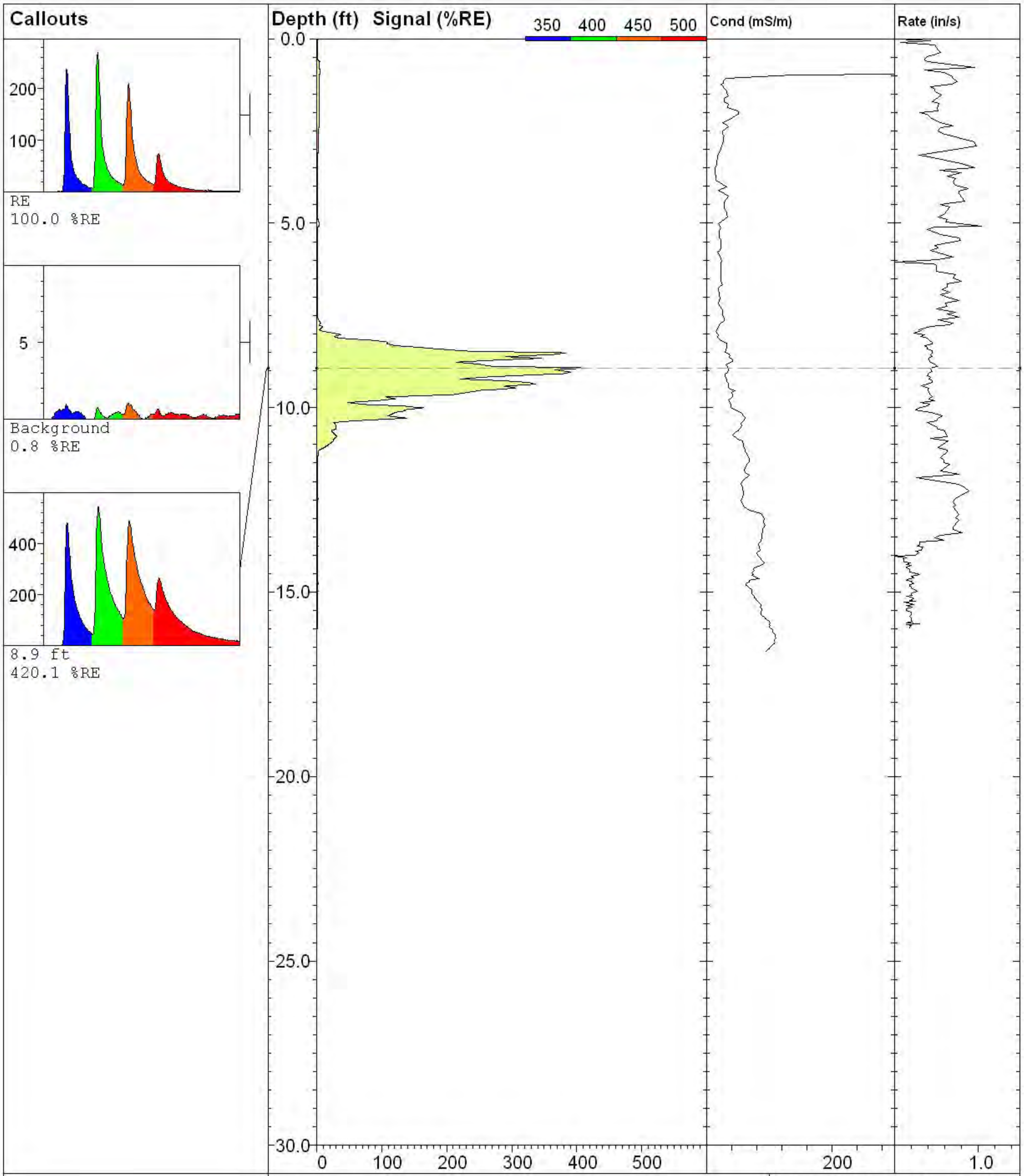
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.04 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.5 % @ 0.00 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-25 16:44 CST**



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LIF-193

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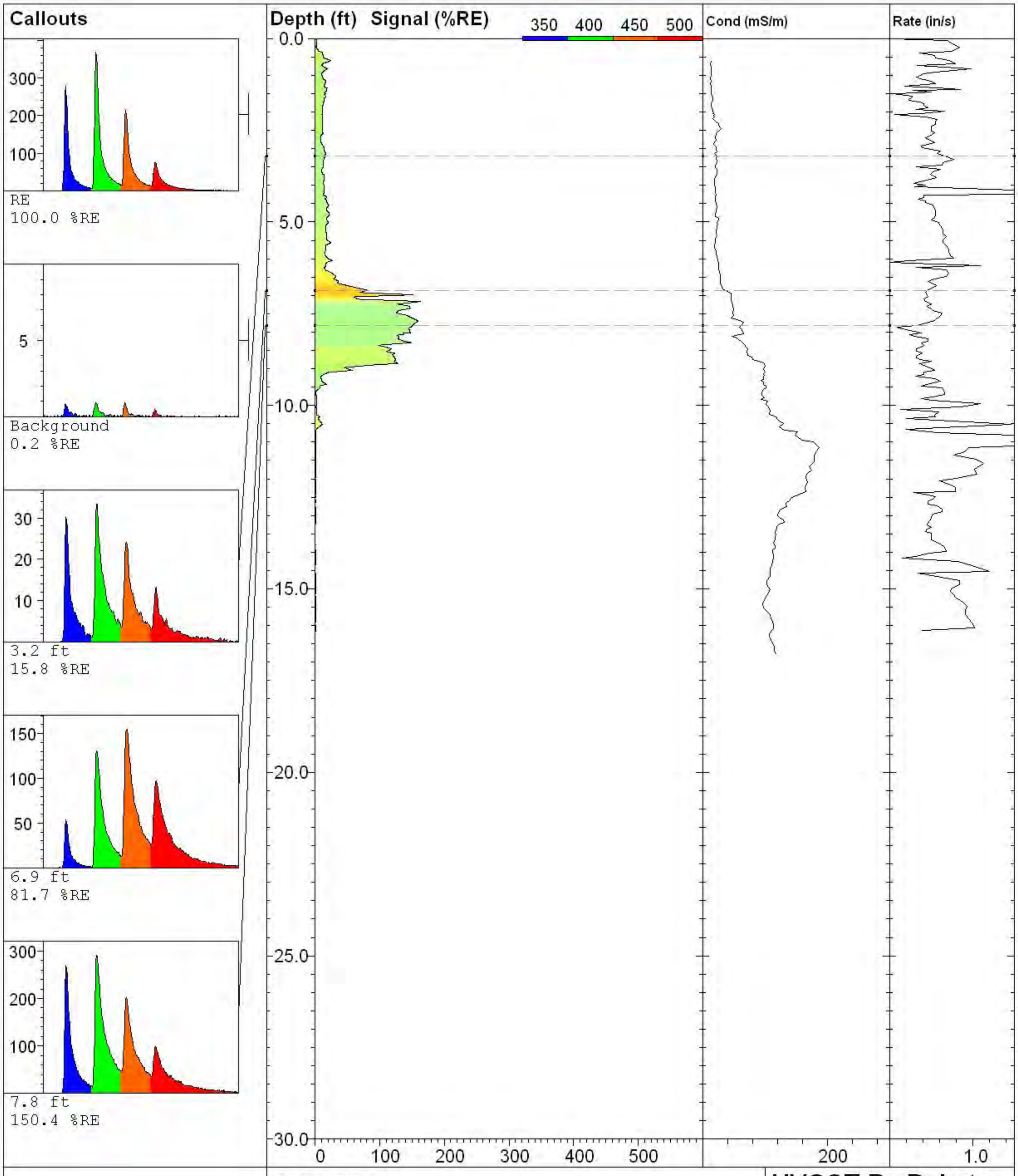
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **420.1 % @ 8.92 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-26 10:27 CST**



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LIF-209

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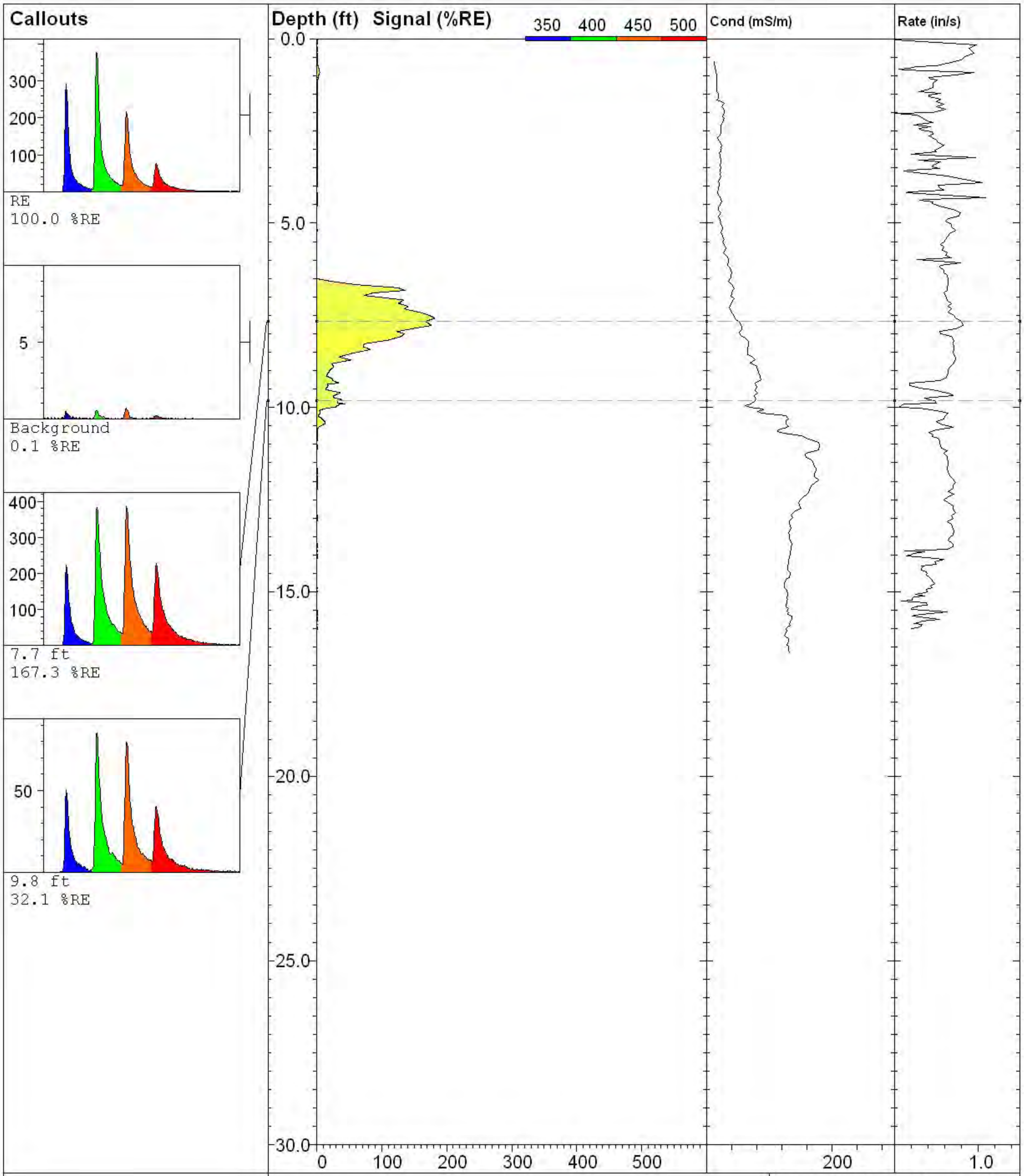
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.15 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **163.9 % @ 7.17 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-28 13:46 CST**



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LIF-227

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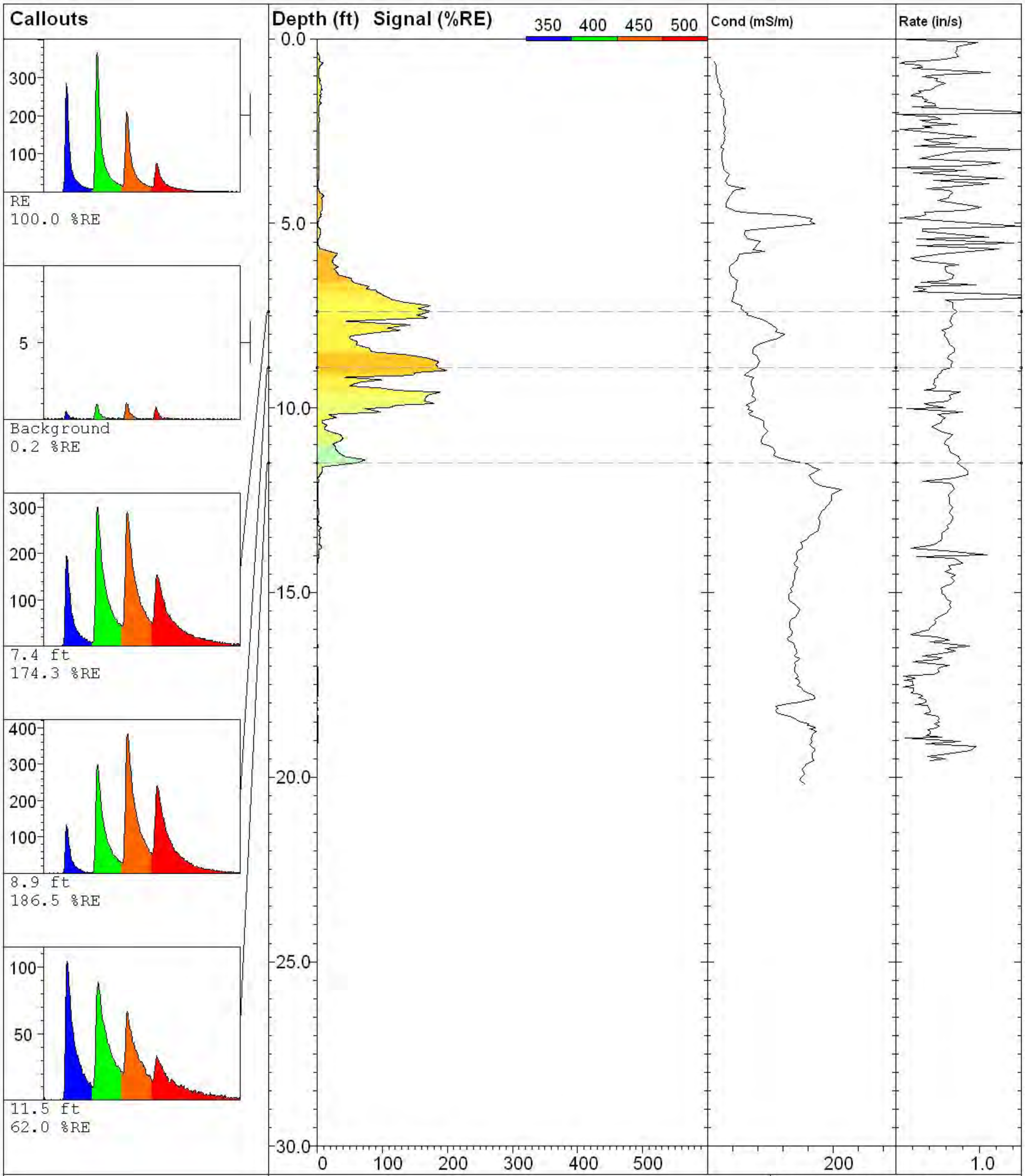
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.02 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **181.6 % @ 7.58 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-28 13:05 CST**



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LIF-228

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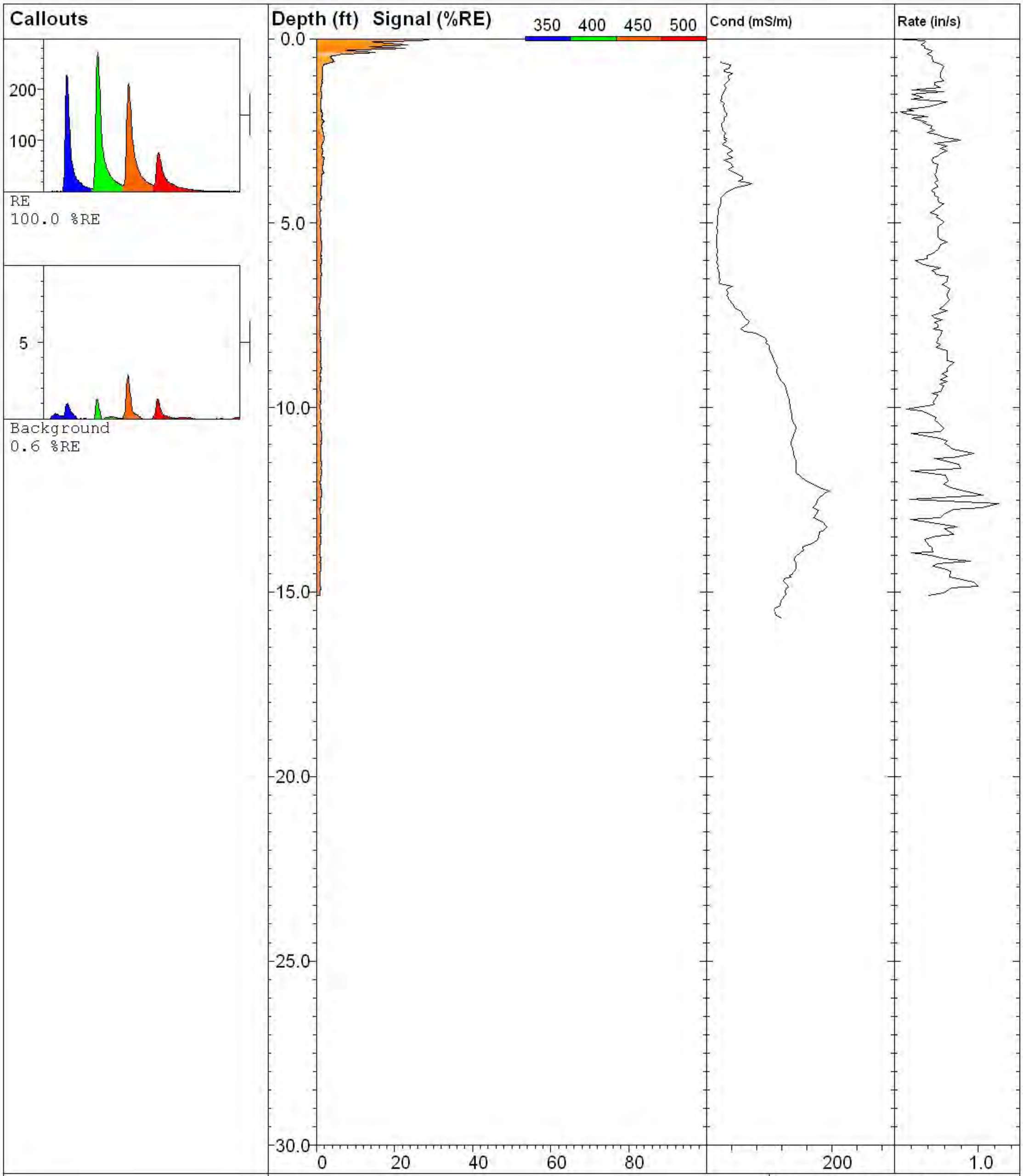
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **19.55 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **199.0 % @ 8.99 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-28 12:22 CST**



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LIF-239

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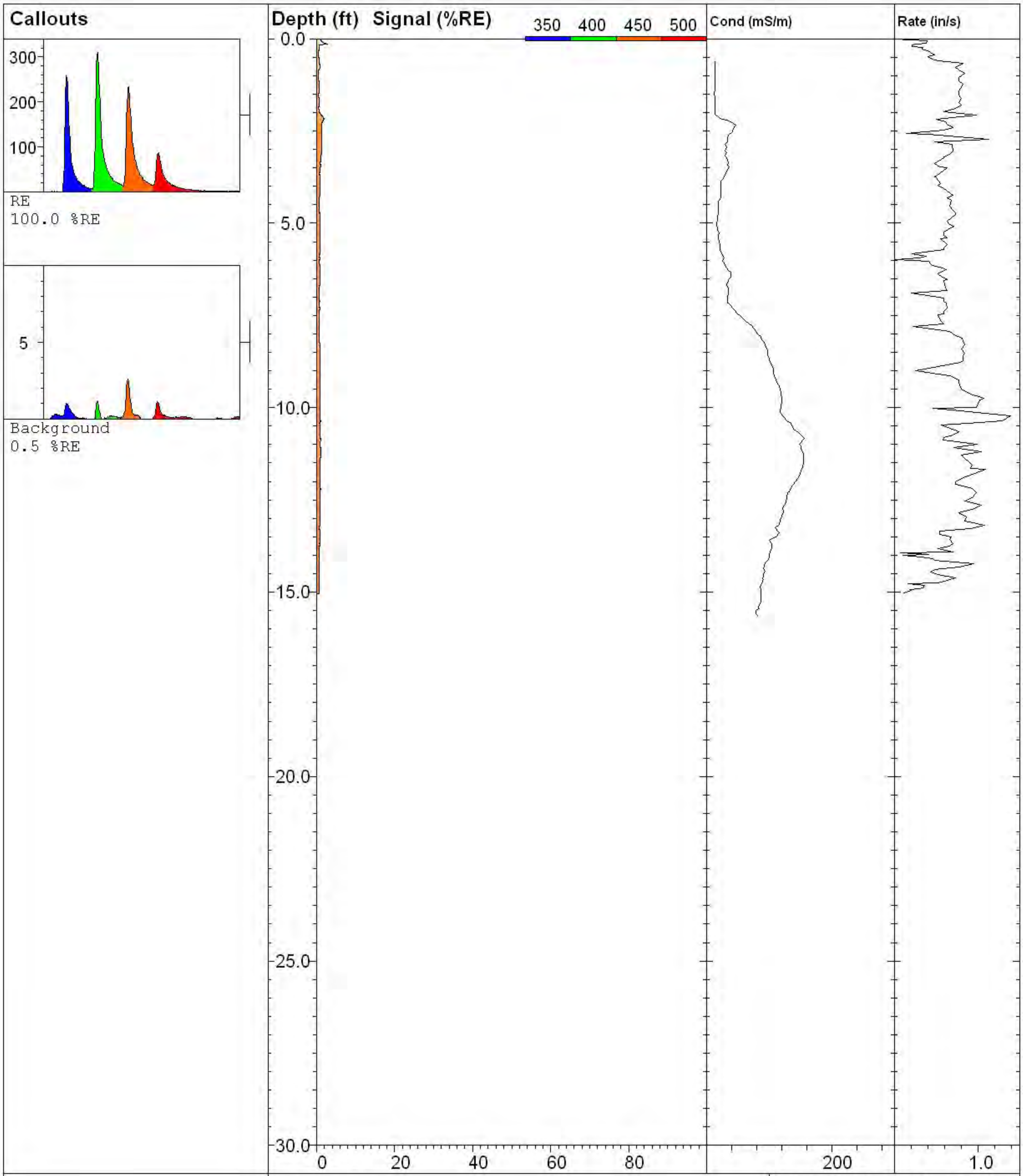
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.09 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **29.5 % @ 0.01 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-27 17:17 CST**



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LIF-243

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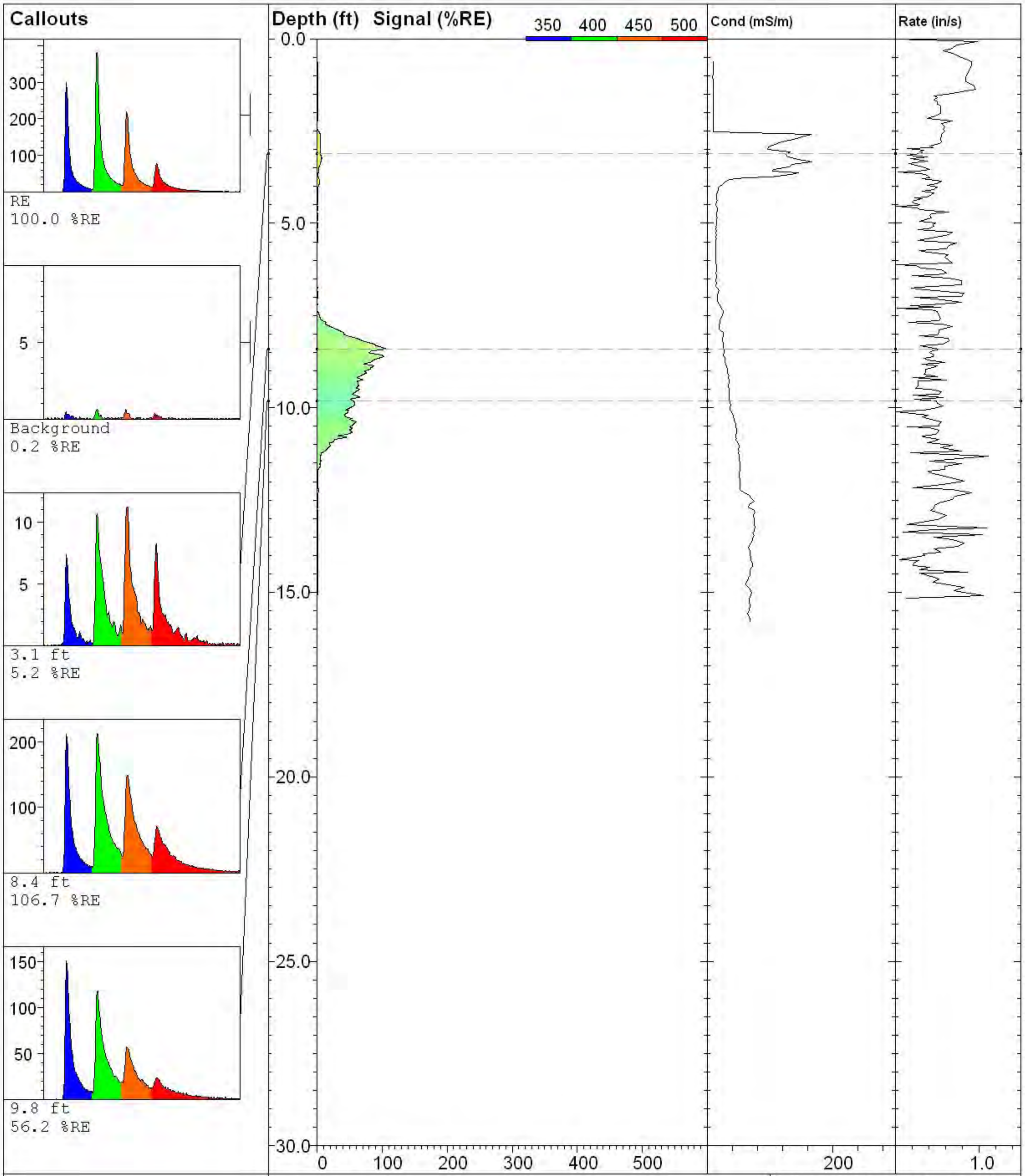
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.04 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.7 % @ 0.14 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-27 17:50 CST**



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LIF-244

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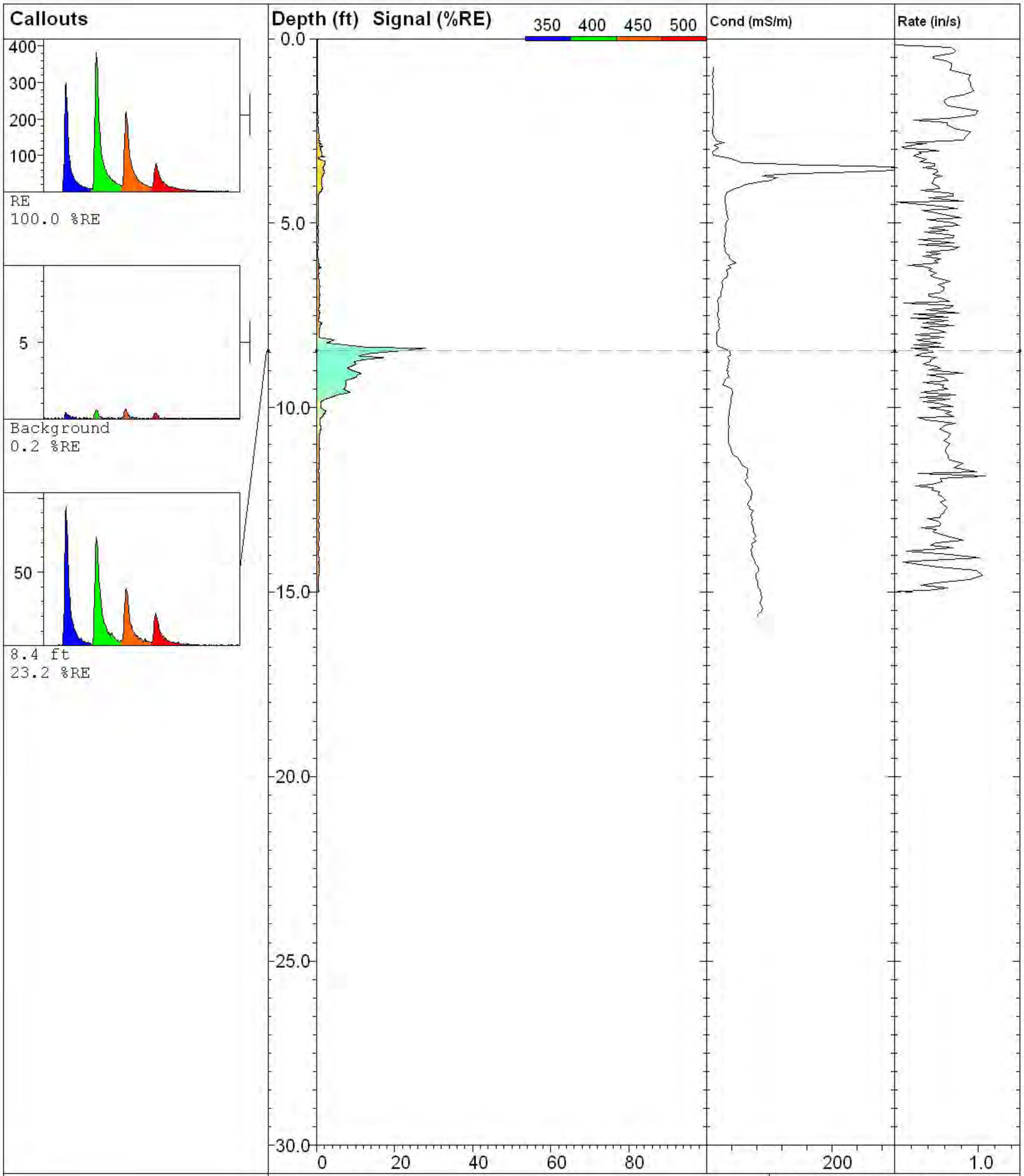
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.16 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **106.7 % @ 8.41 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-26 15:38 CST**



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LIF-247

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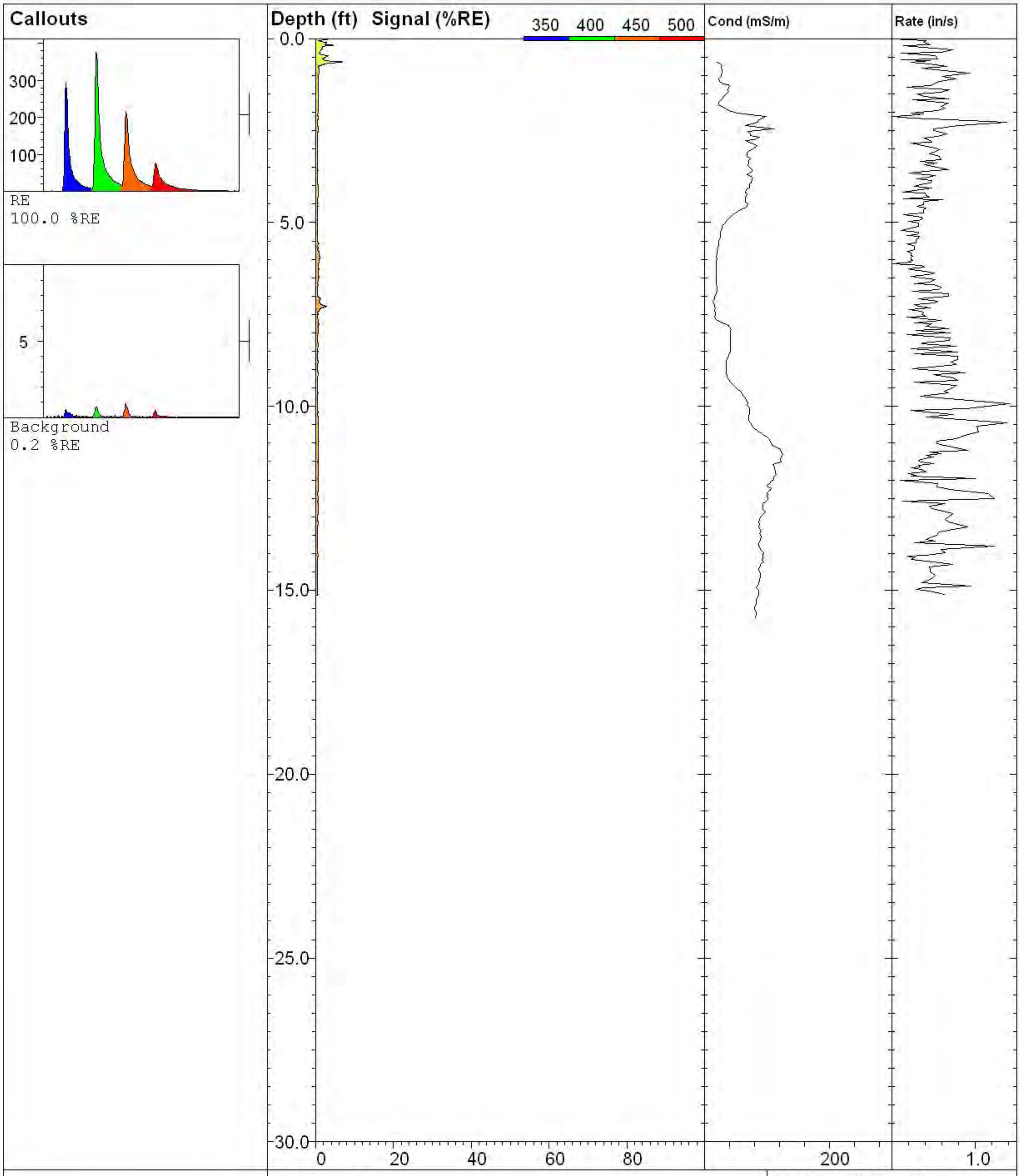
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **28.0 % @ 8.39 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-27 08:59 CST**



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LIF-249

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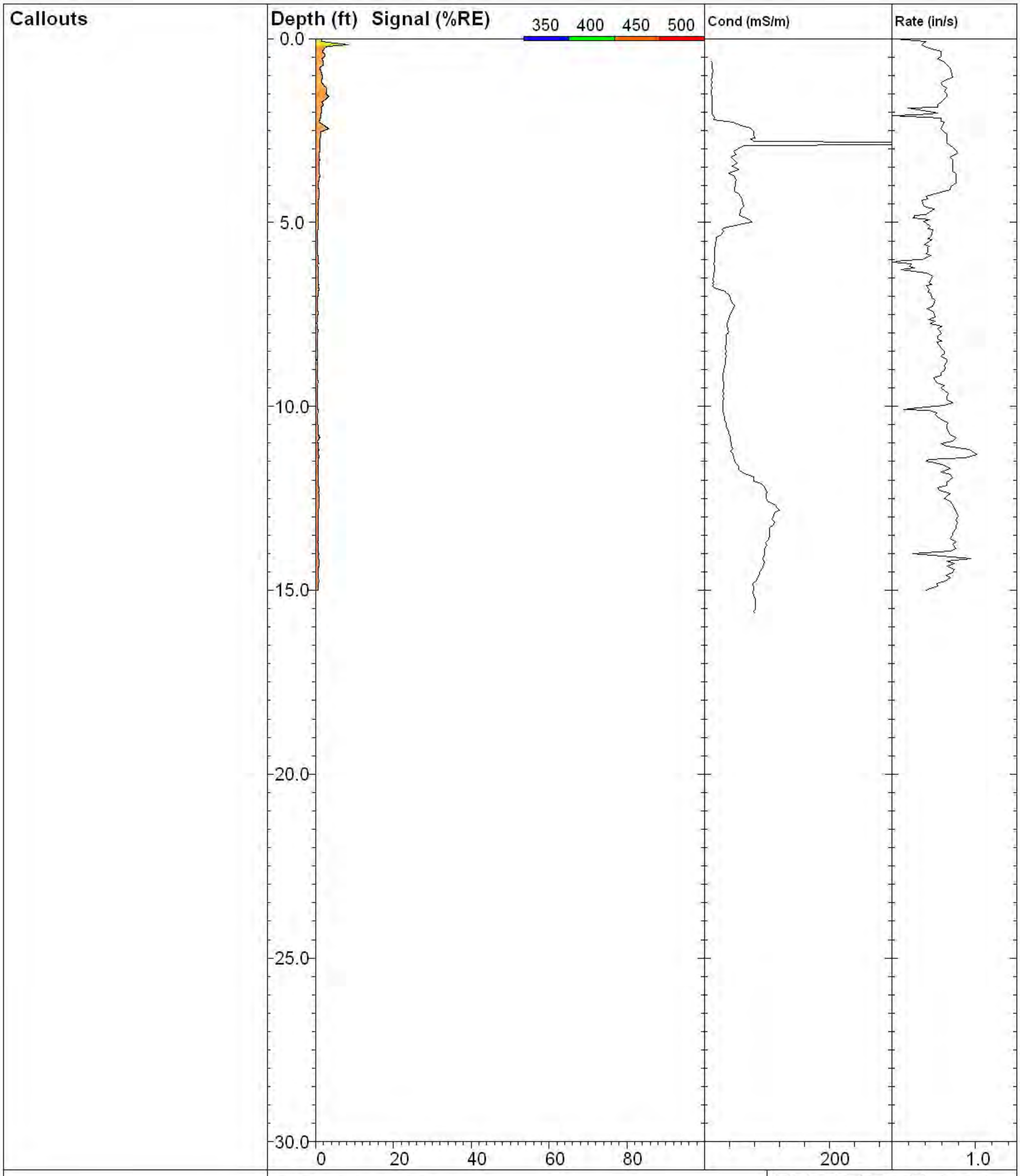
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.13 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **7.0 % @ 0.64 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-27 08:26 CST**



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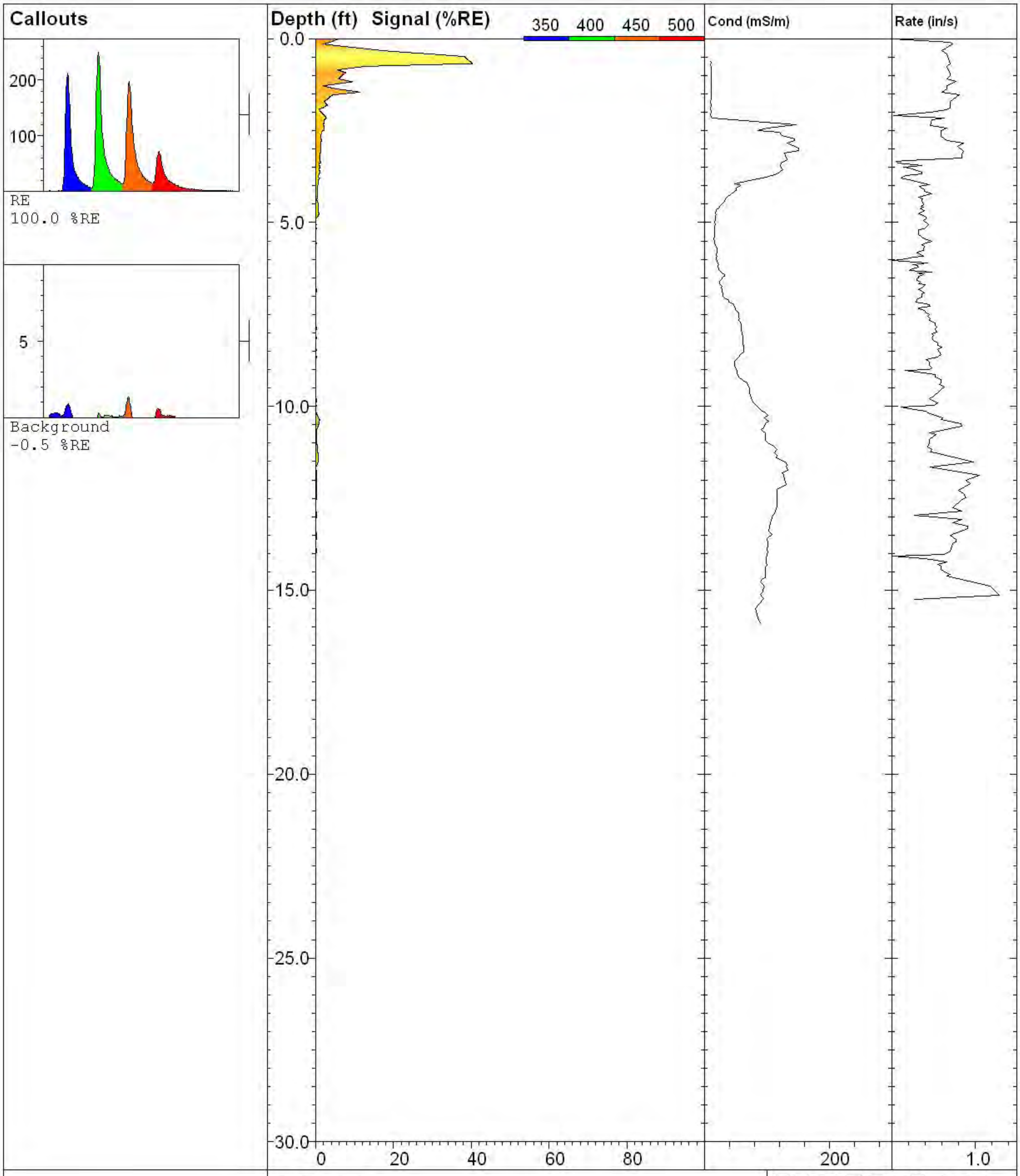
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **8.5 % @ 0.17 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/UVOST1003**	*Date & Time:* **2010-01-28 14:18 CST**



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LIF-250

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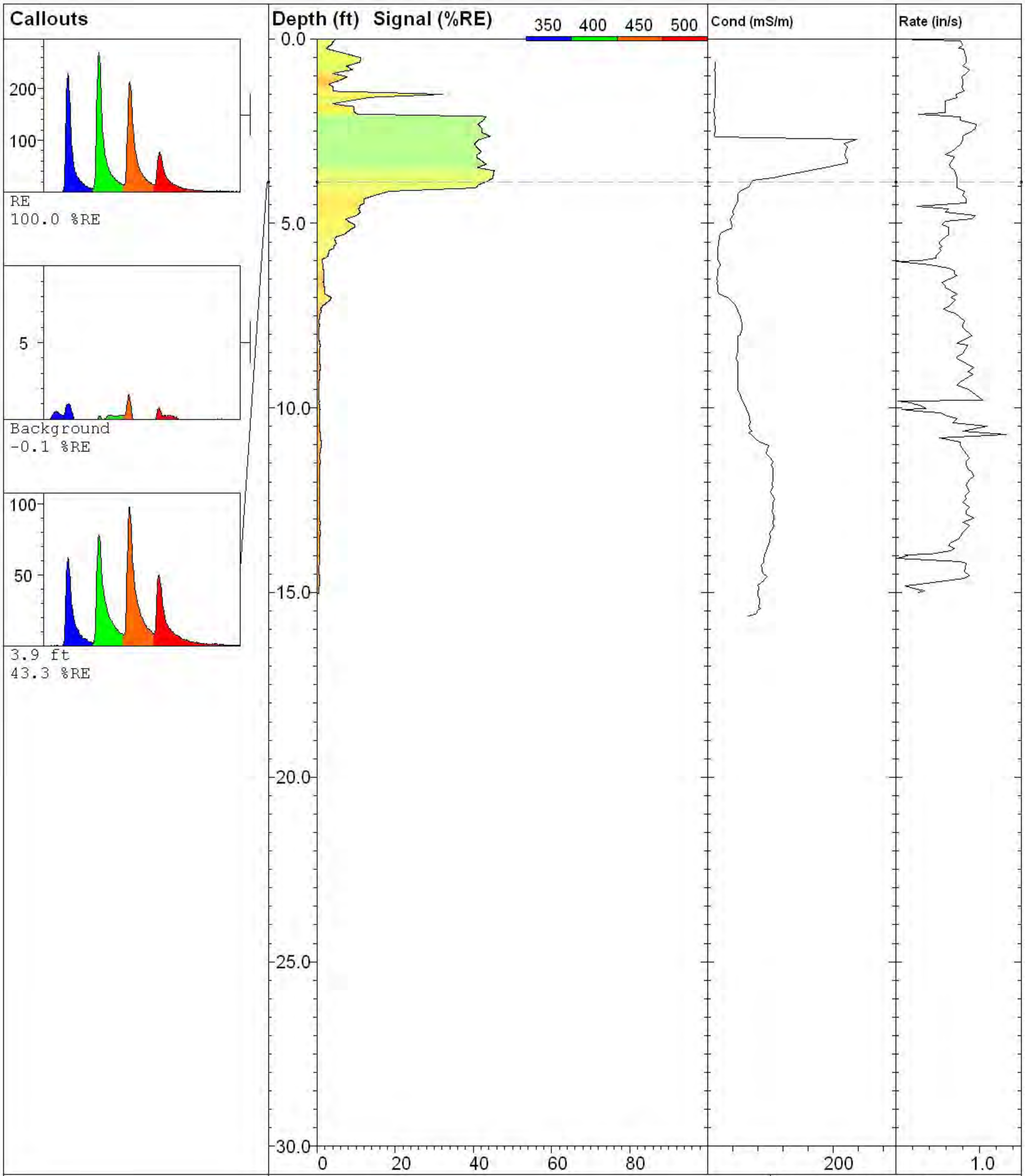
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.27 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **40.3 % @ 0.68 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-28 12:36 CST**



LIF-251		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.01 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **45.3 % @ 3.57 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-28 13:39 CST**

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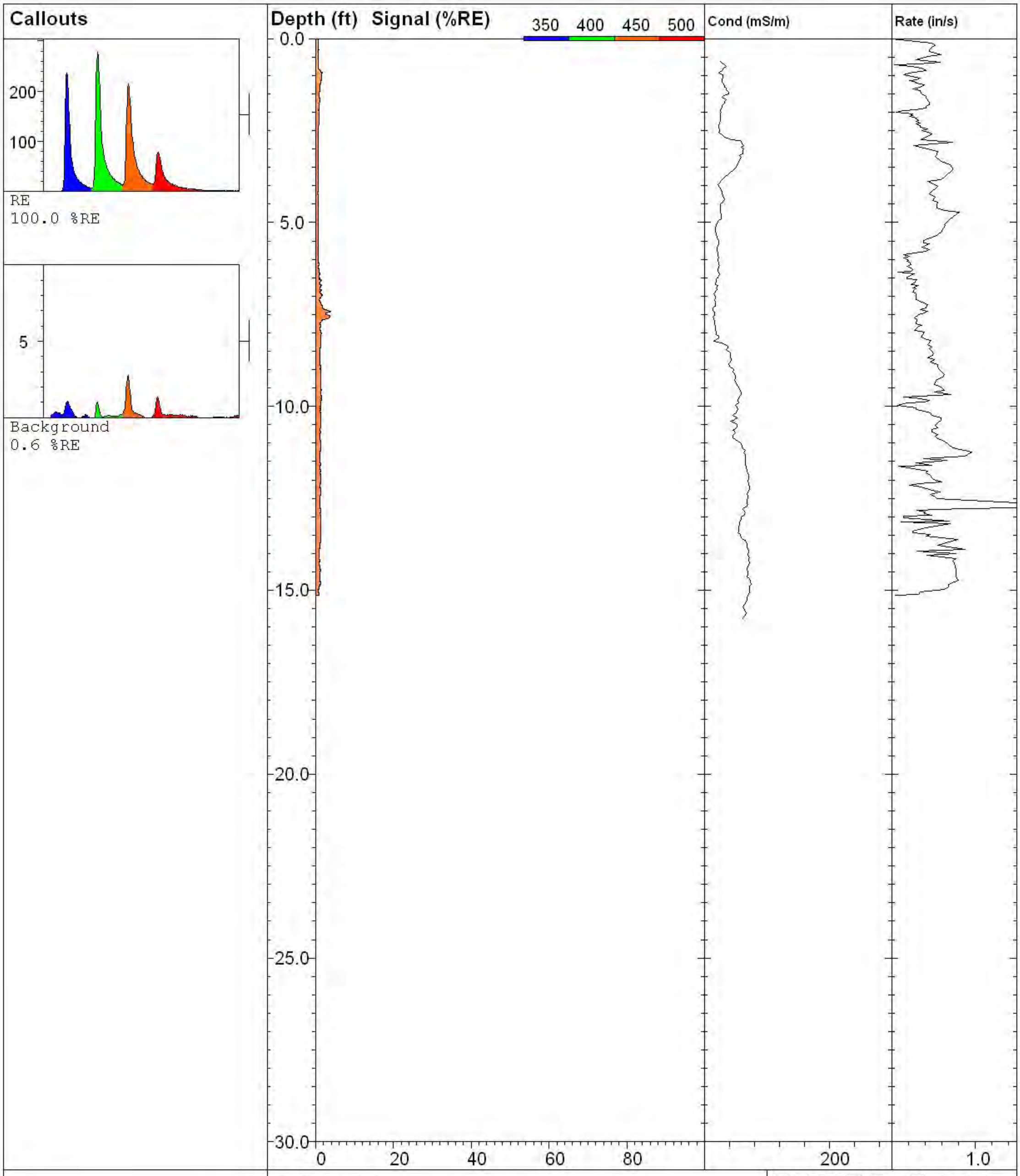

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LIF-252

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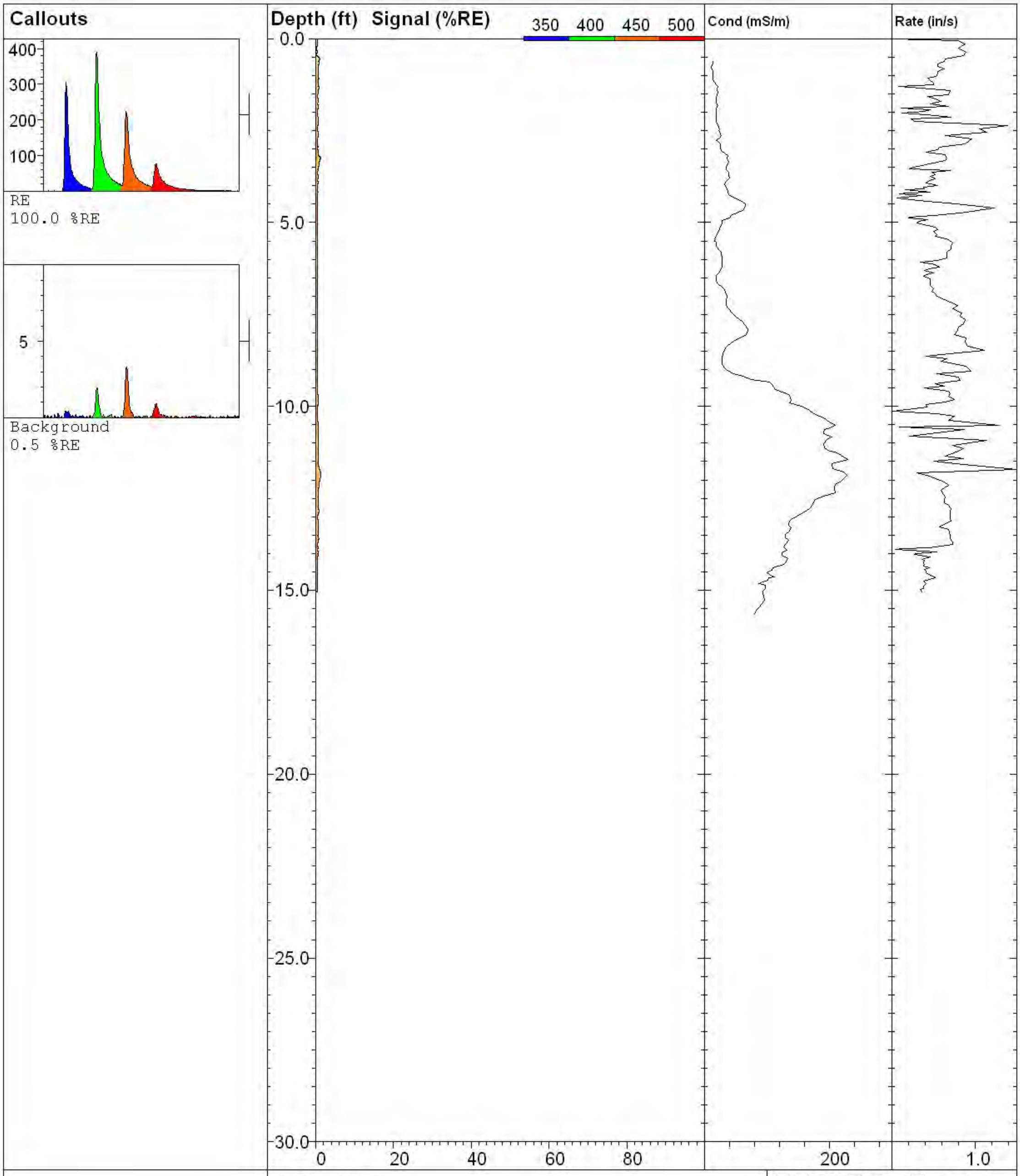
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.14 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.8 % @ 7.42 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-27 15:56 CST**



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LIF-255

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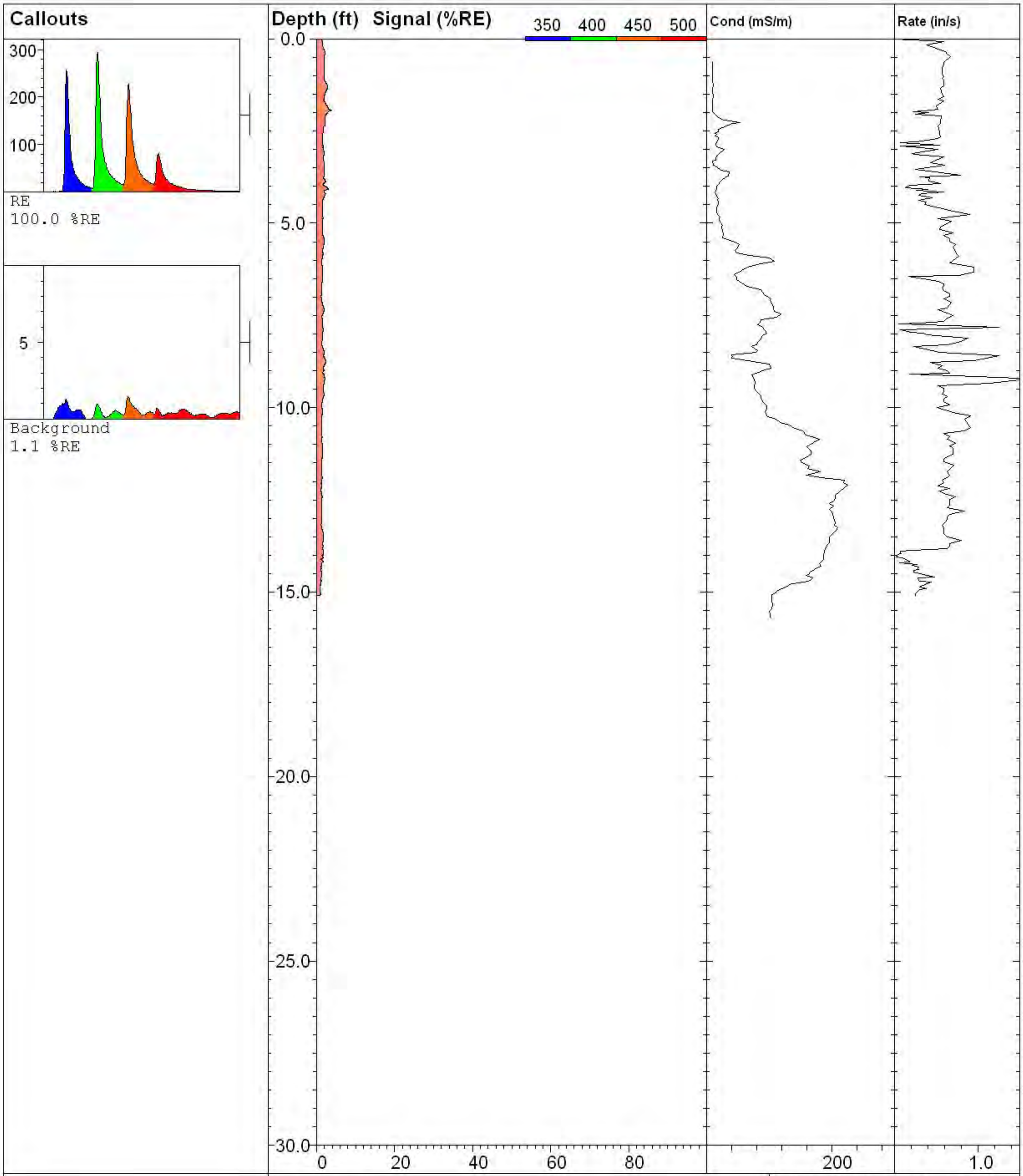
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.05 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.4 % @ 11.91 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-26 08:20 CST**



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LIF-256

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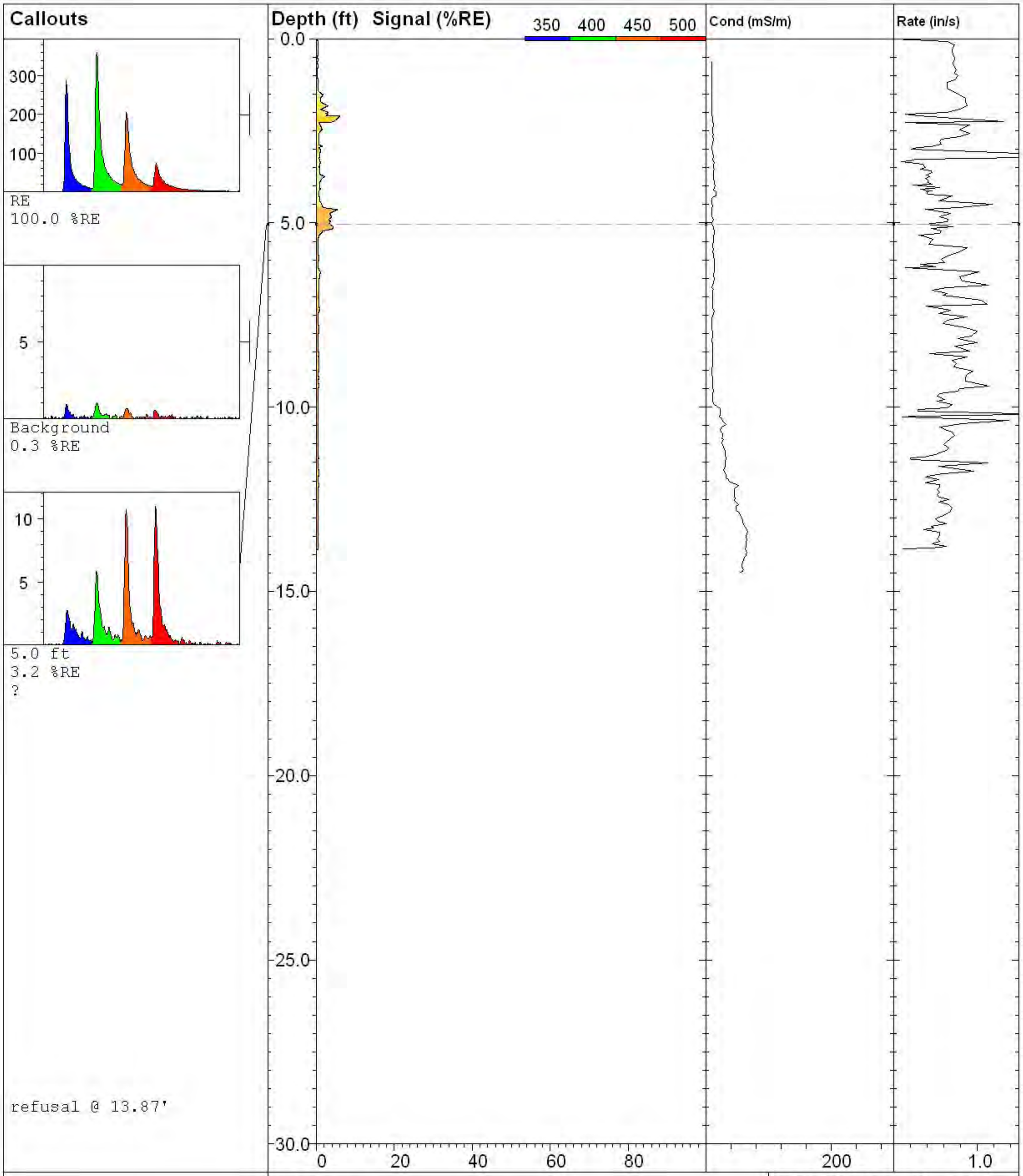
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.08 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.8 % @ 1.94 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-26 10:05 CST**



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LIF-257

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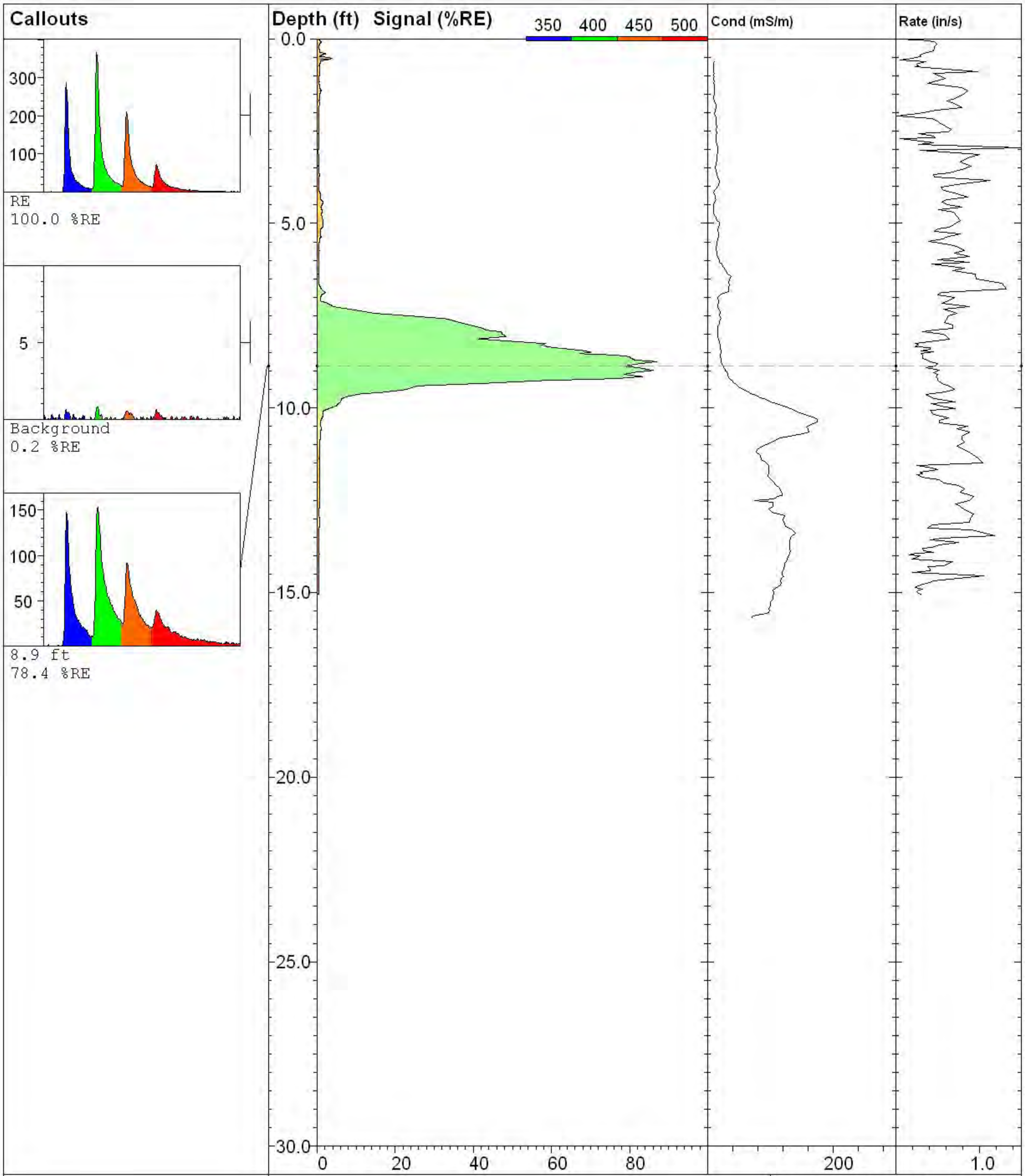
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **13.87 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **6.1 % @ 2.09 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-26 09:58 CST**



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LIF-258

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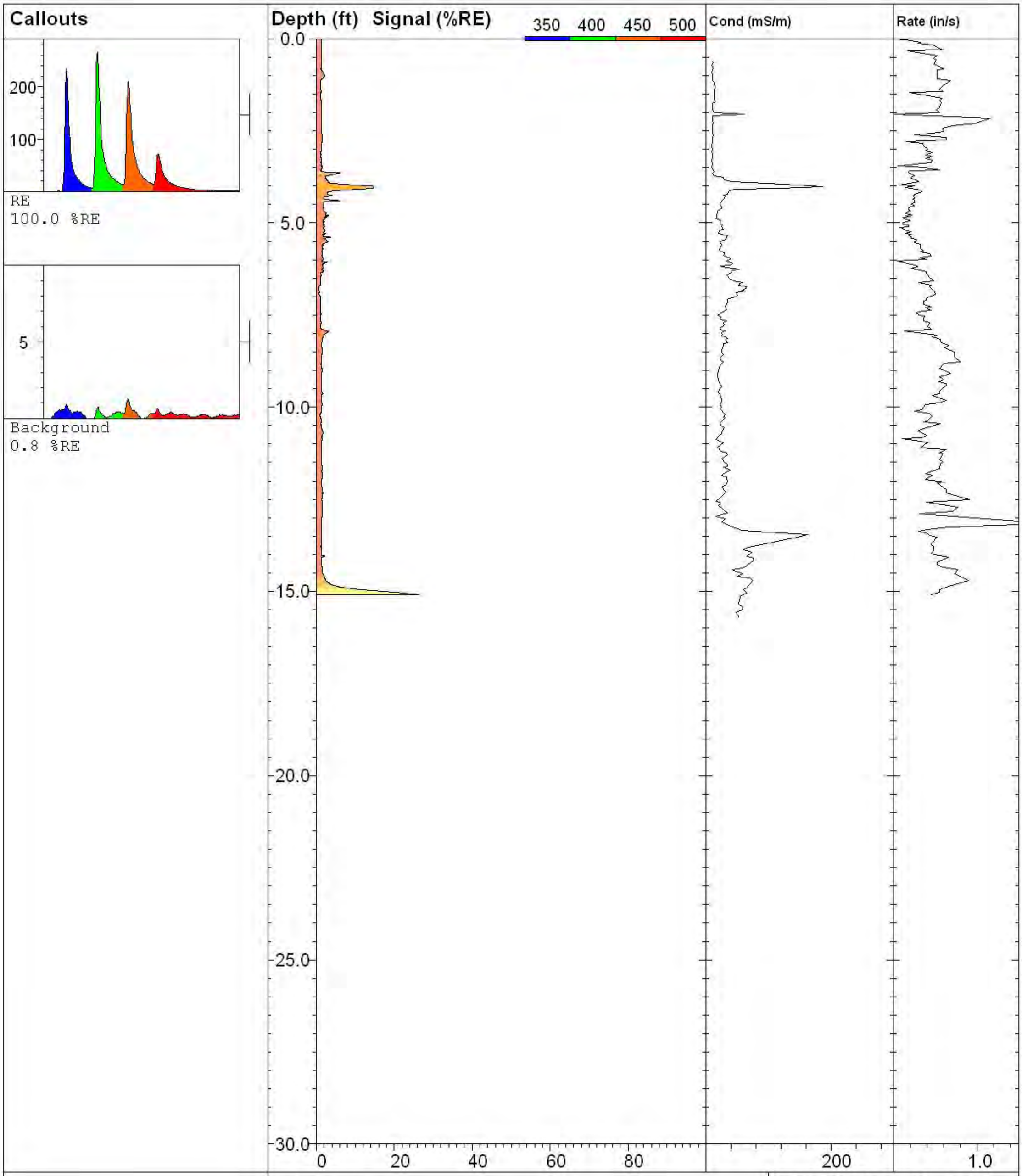
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.05 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **87.0 % @ 8.75 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-26 09:14 CST**



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LIF-259

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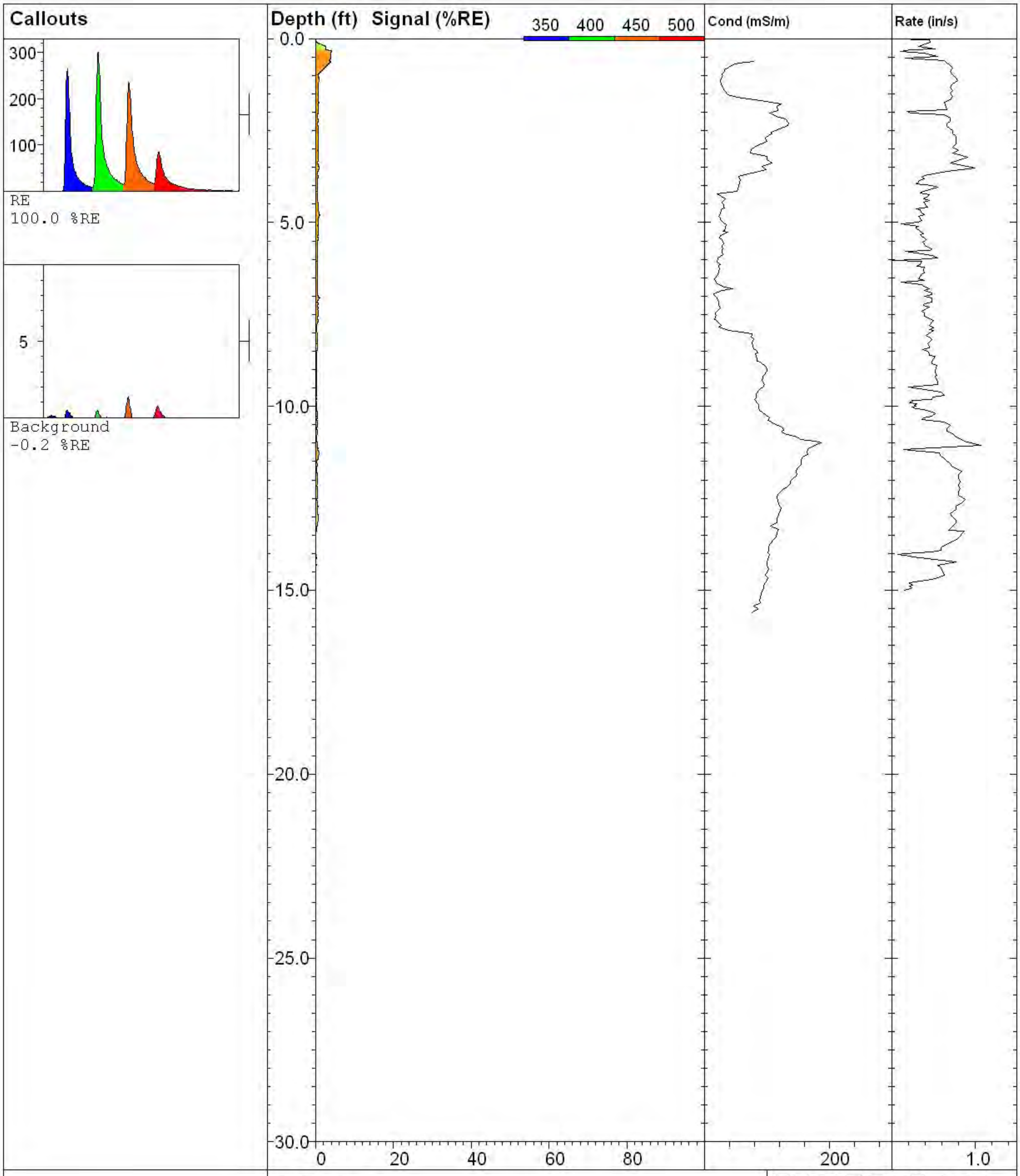
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.09 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **29.3 % @ 15.09 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-26 10:54 CST**



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LIF-260

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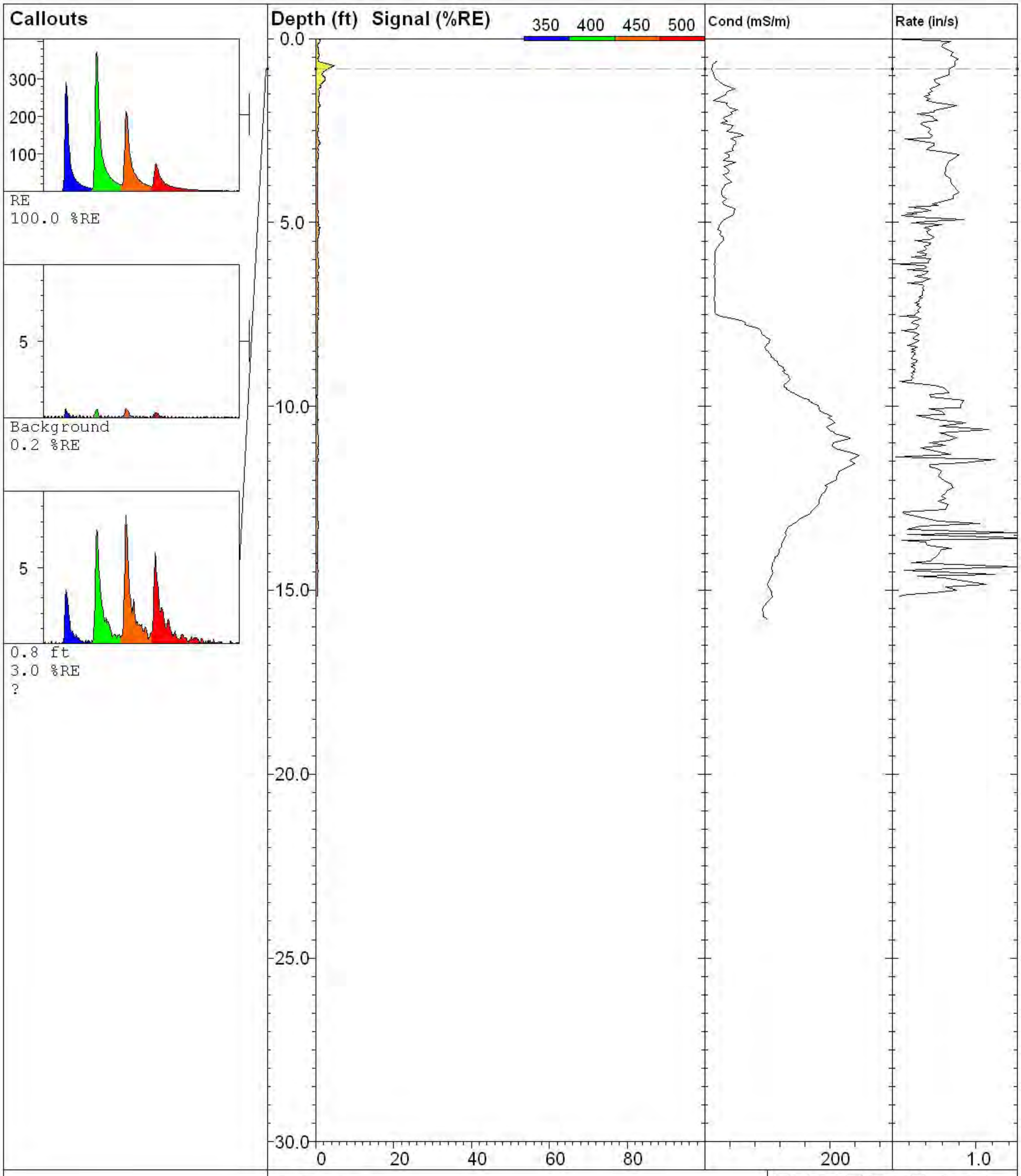
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **4.1 % @ 0.35 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-26 13:47 CST**



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LIF-261

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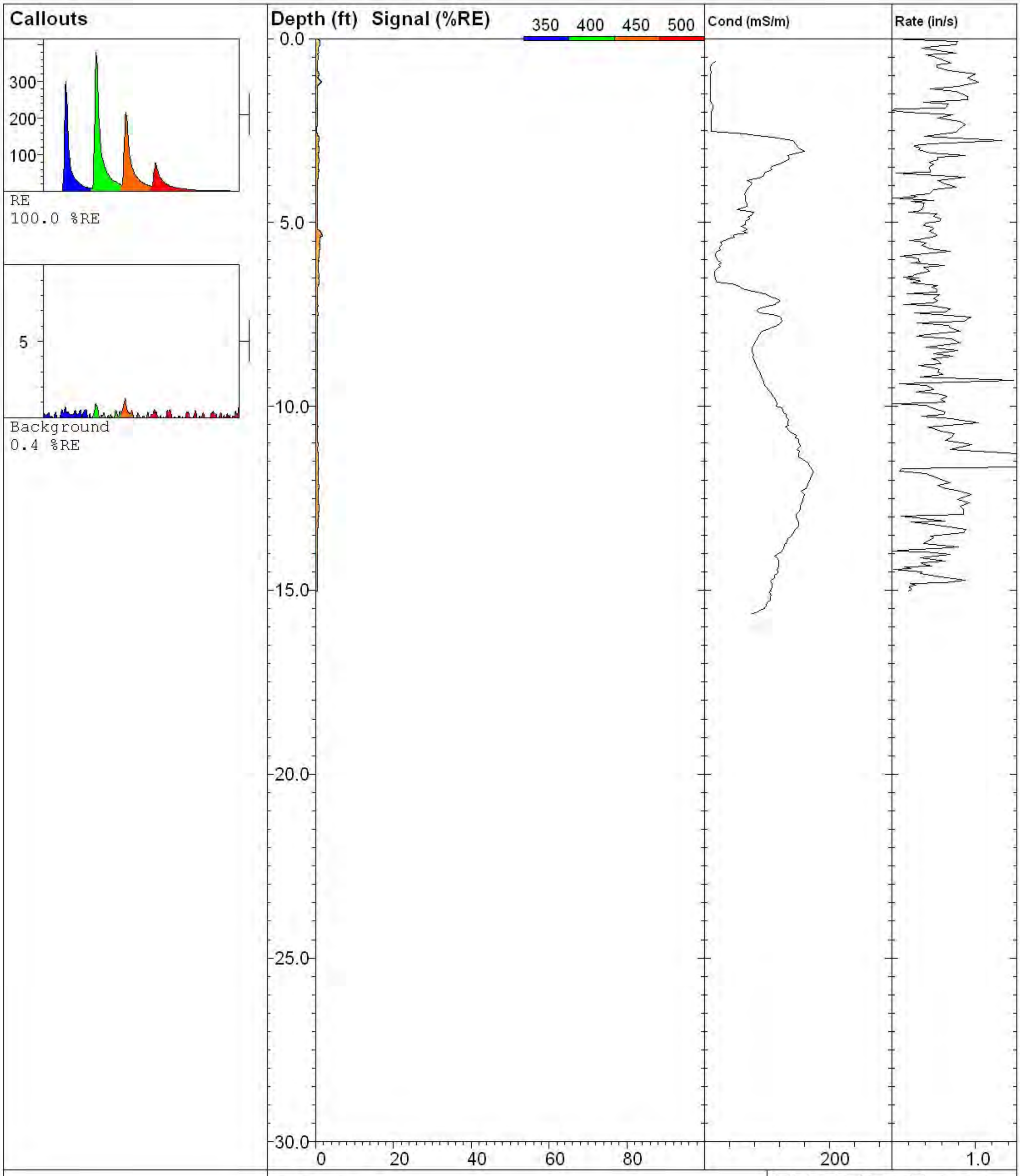
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.17 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **4.7 % @ 0.74 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-27 09:50 CST**



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LIF-263

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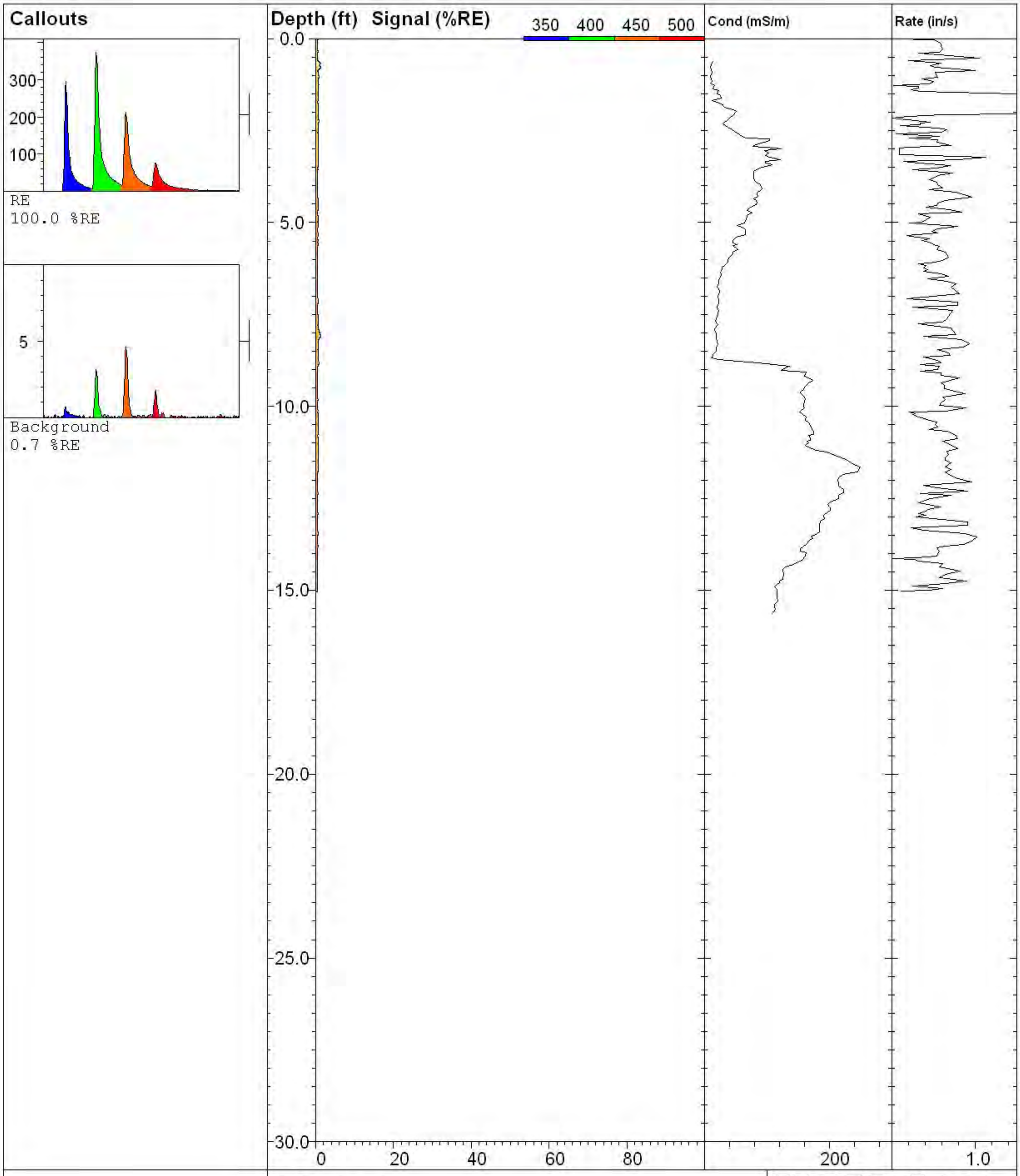
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.03 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.8 % @ 5.35 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-26 13:33 CST**



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LIF-264

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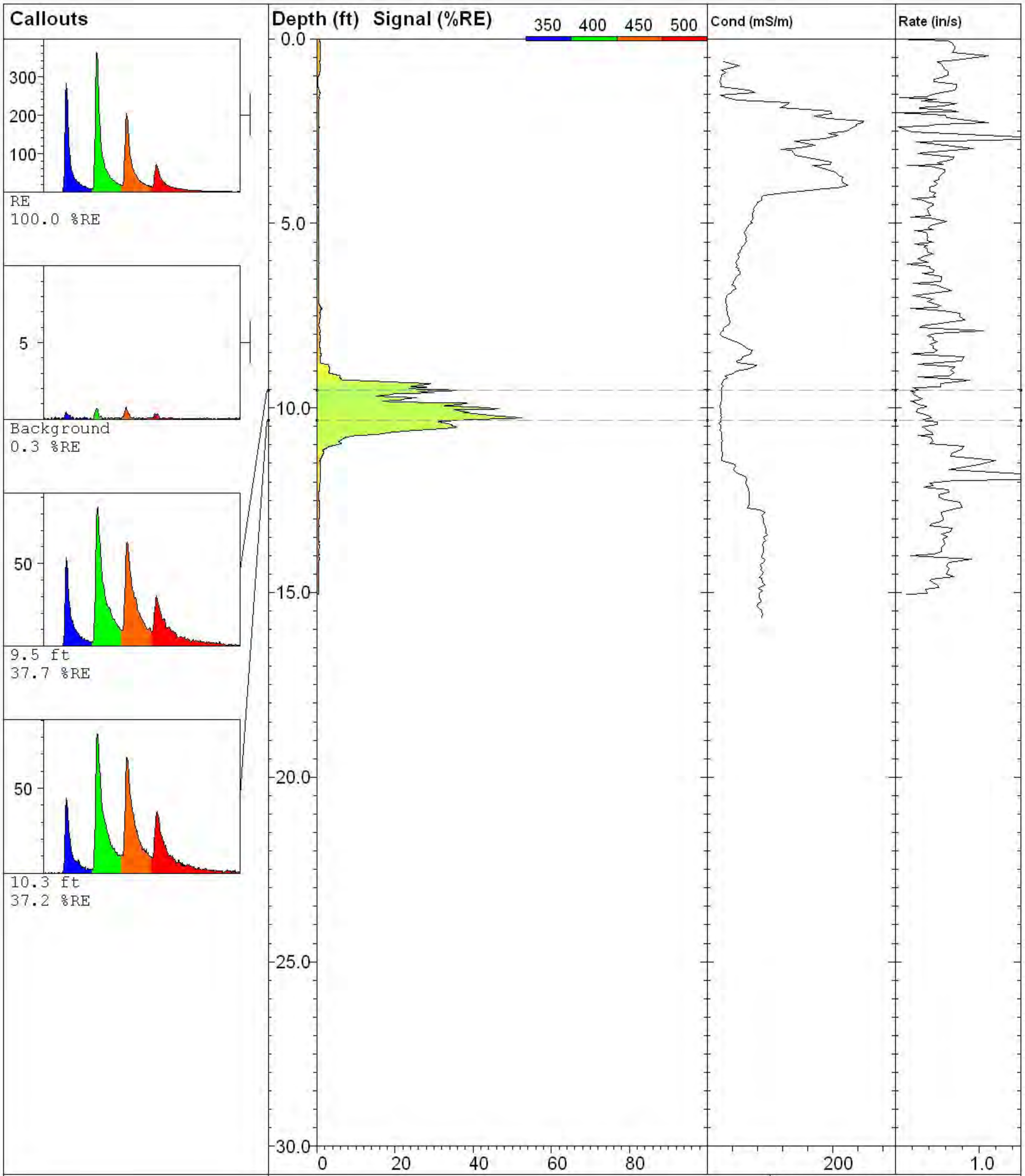
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.04 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **1.3 % @ 0.79 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-26 14:09 CST**



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LIF-265

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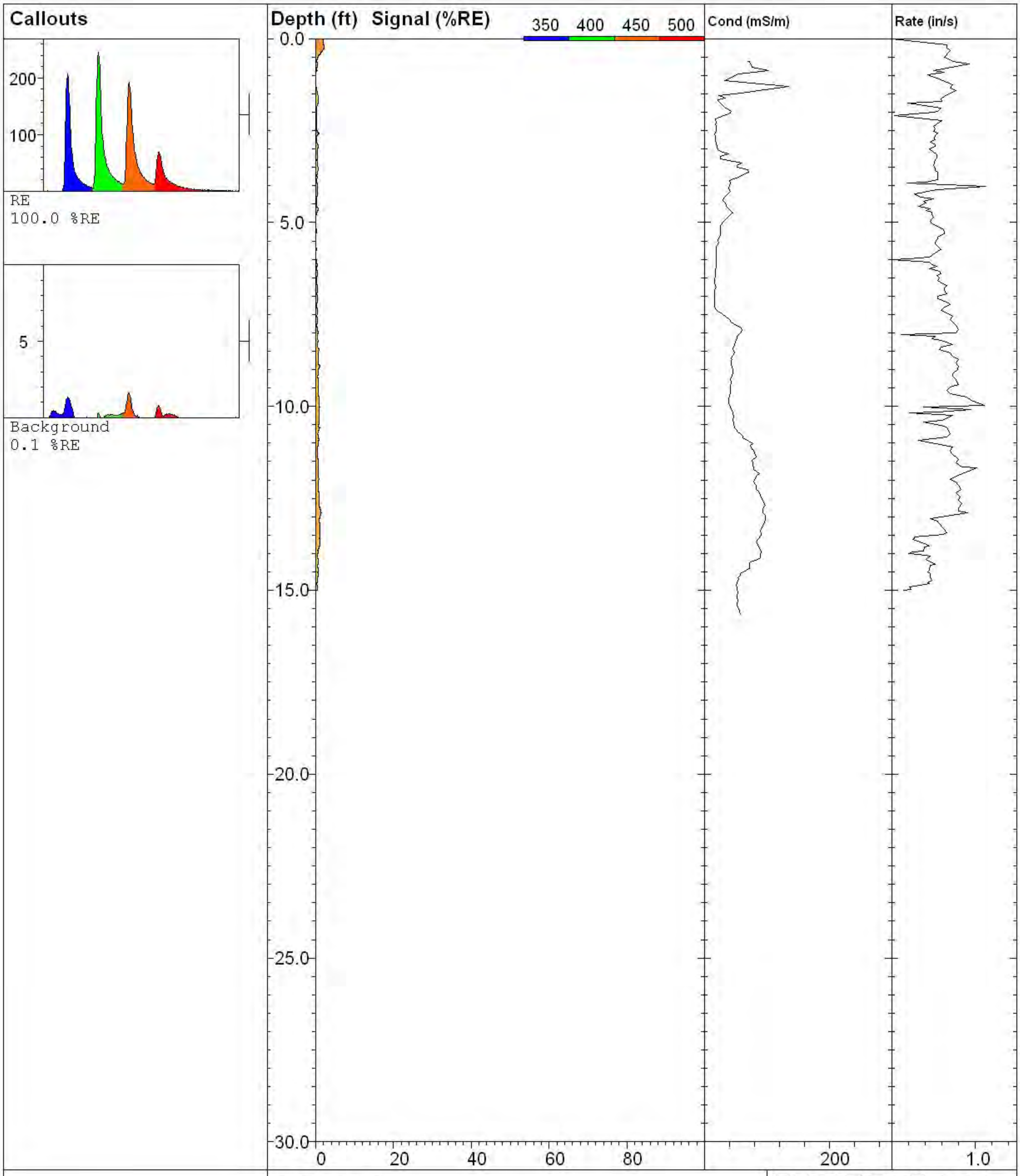
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.06 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **52.7 % @ 10.27 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-26 14:38 CST**



LIF-266		**UVOST By Dakota** www.DakotaTechnologies.com
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **2.2 % @ 0.00 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/UVOST1003**	*Date & Time:* **2010-01-28 15:09 CST**

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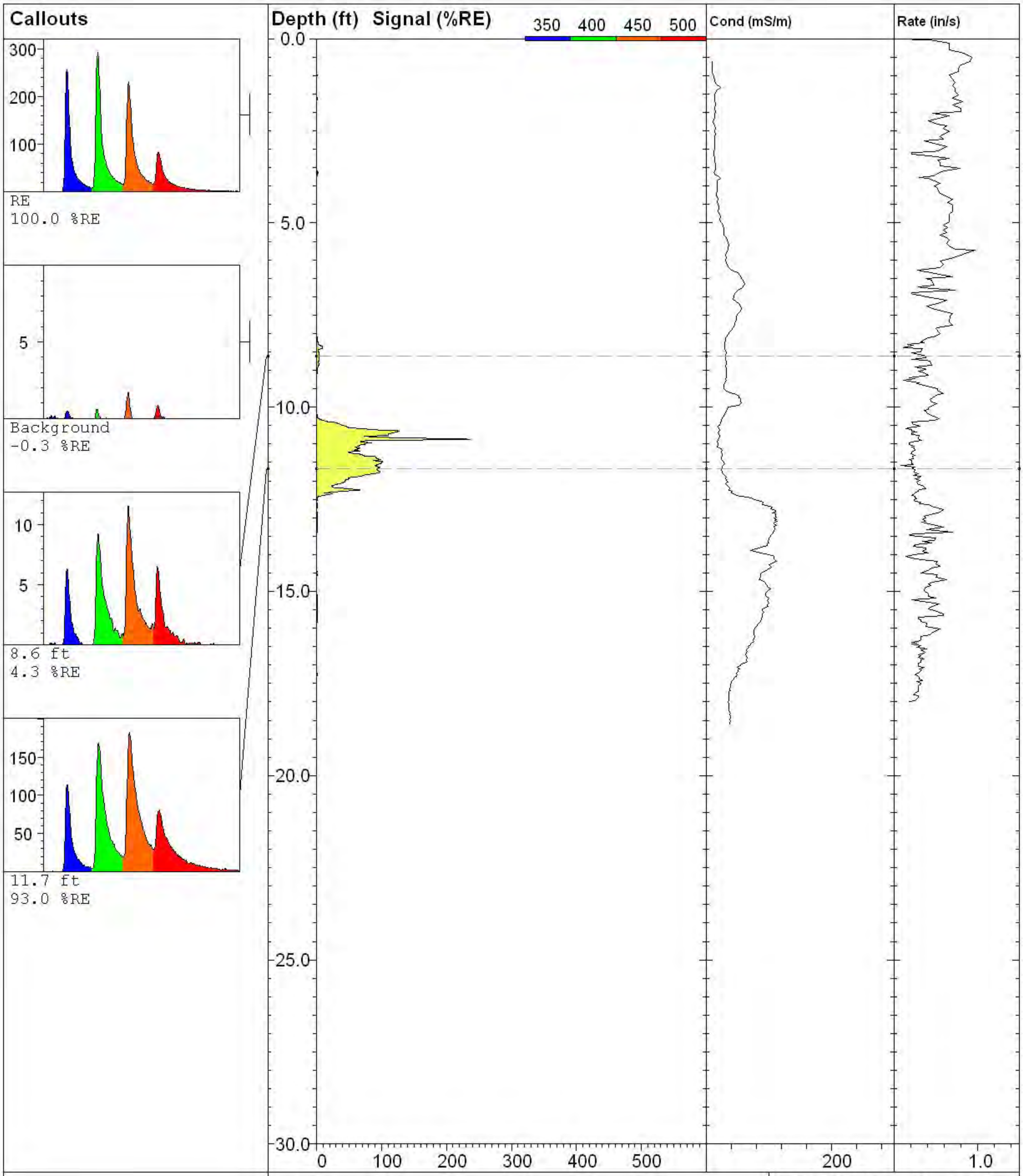

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LIF-267

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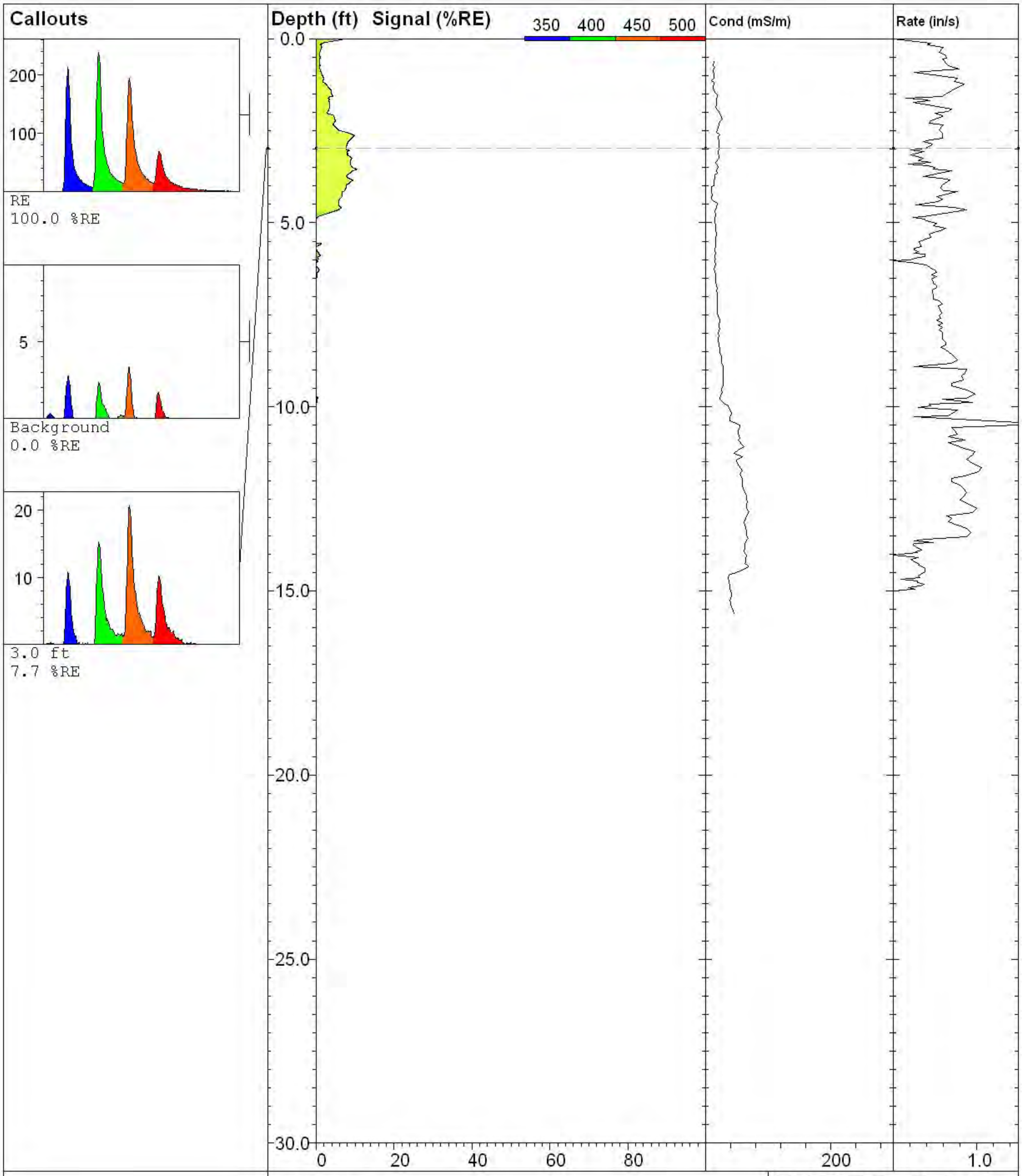
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **18.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **242.5 % @ 10.87 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-26 14:32 CST**



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LIF-268

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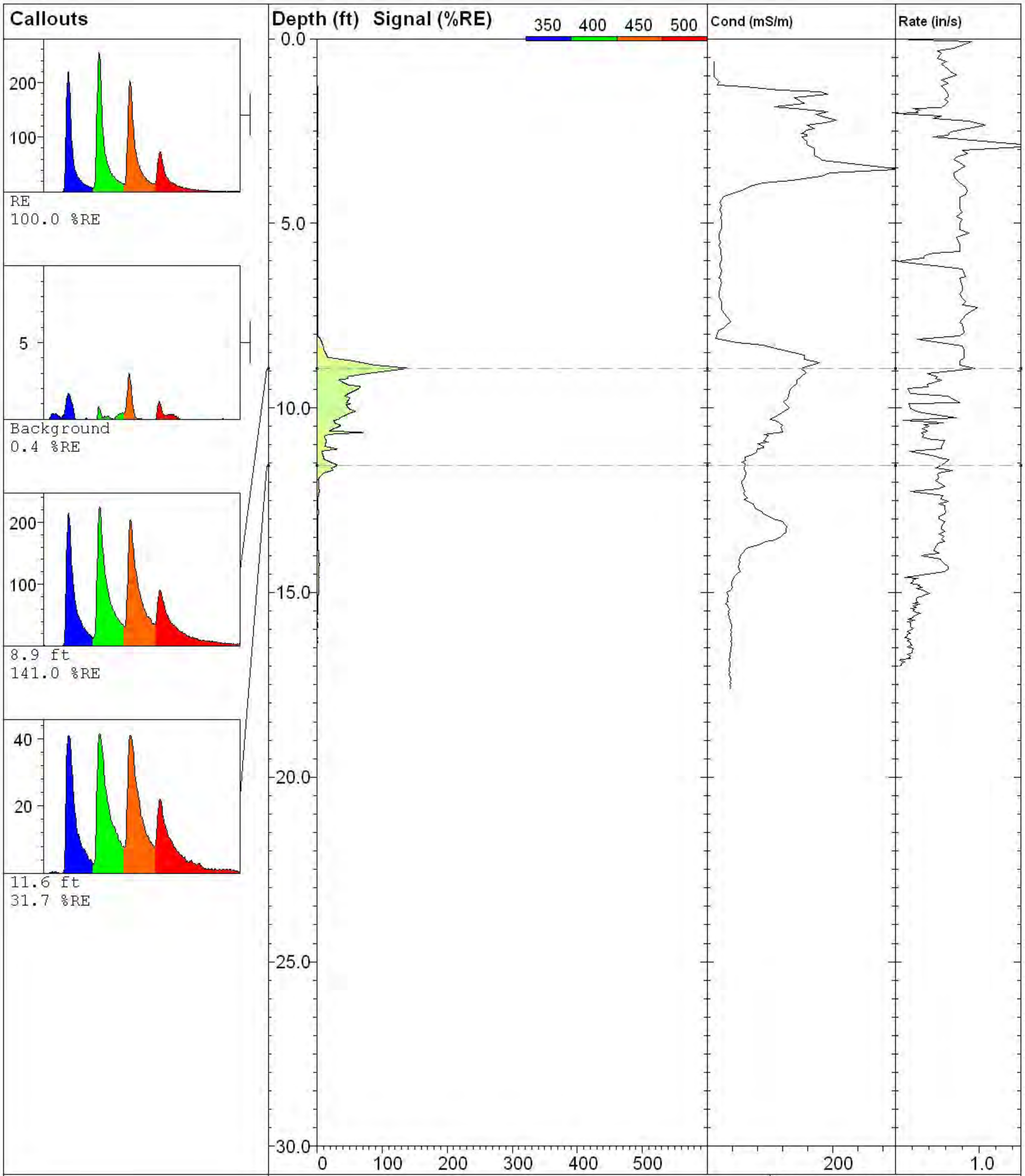
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **10.5 % @ 3.55 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/UVOST1003**	*Date & Time:* **2010-01-28 16:49 CST**



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LIF-269

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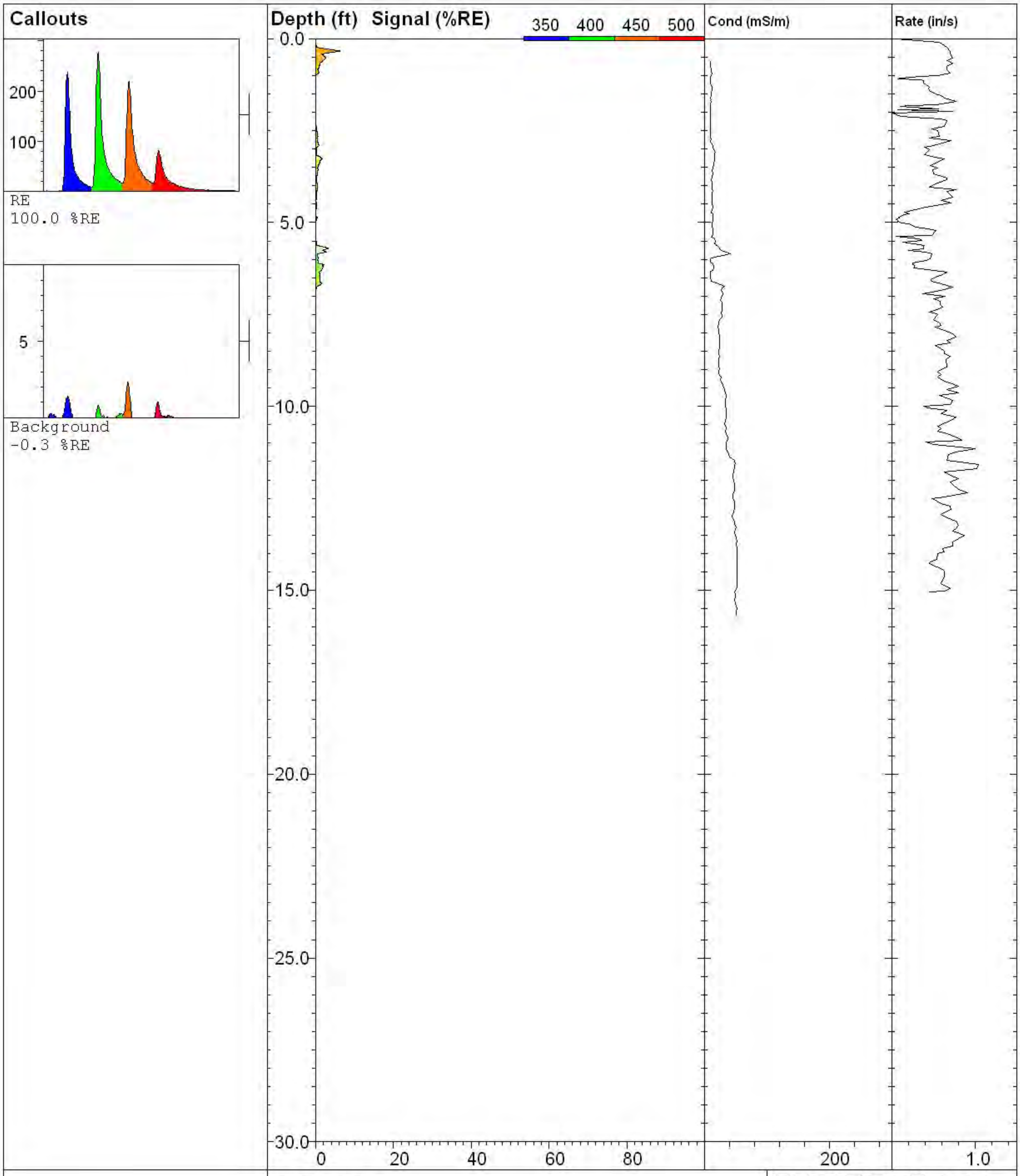
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **17.00 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **141.0 % @ 8.93 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-28 15:40 CST**



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LIF-270

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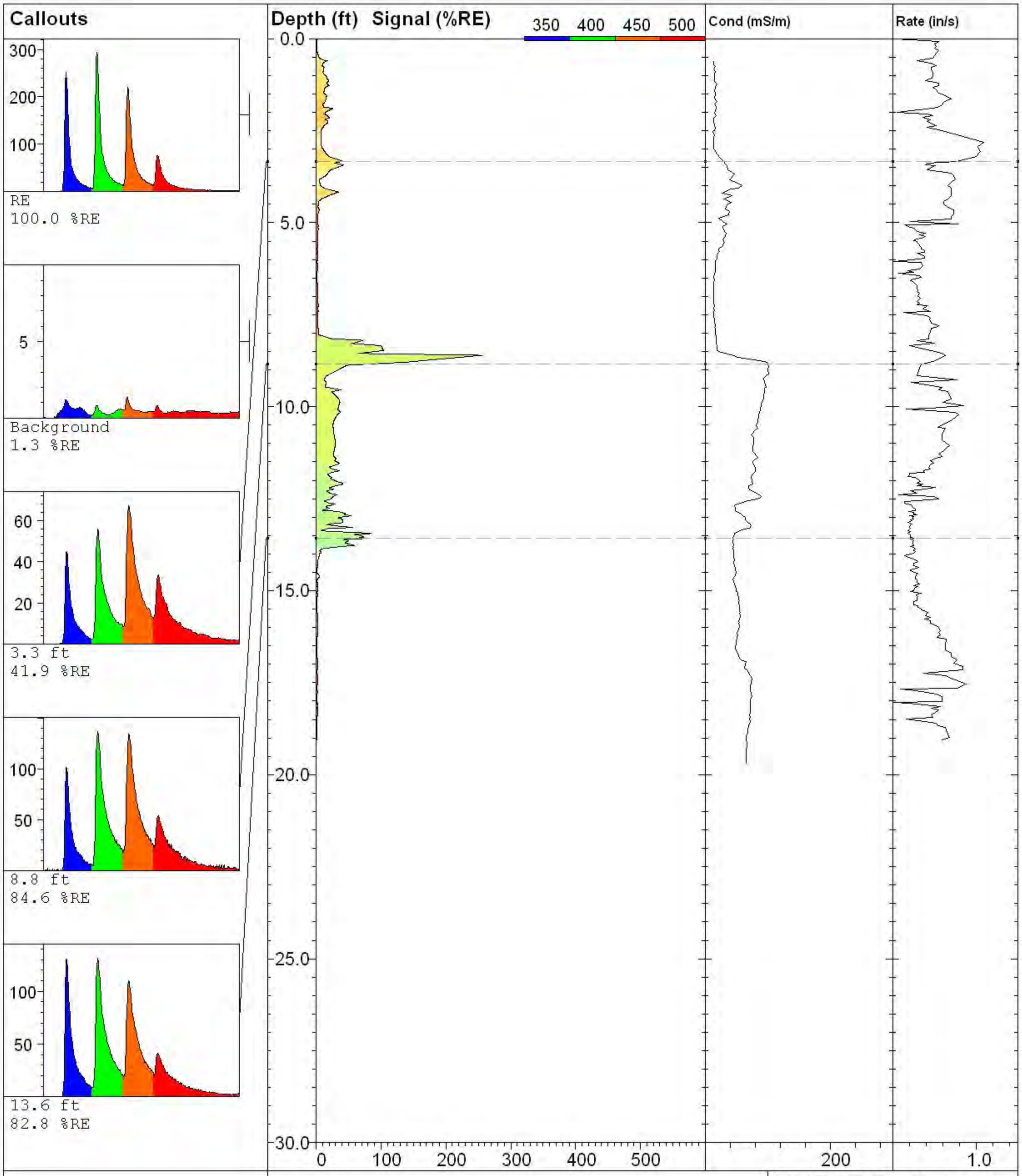
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.05 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **6.2 % @ 0.34 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/UVOST1003**	*Date & Time:* **2010-01-28 16:09 CST**



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LIF-271

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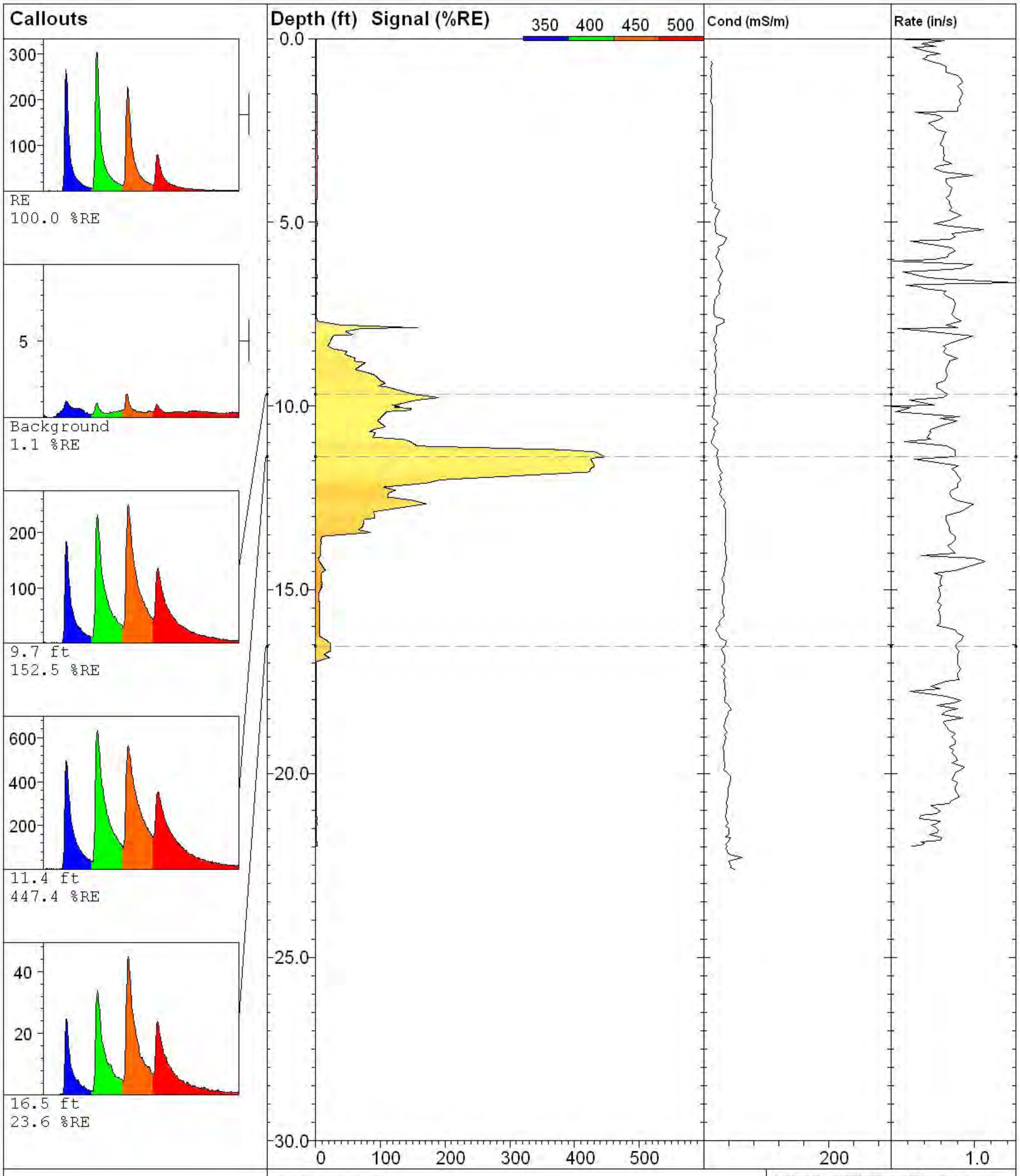
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **19.05 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **256.0 % @ 8.60 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-23 14:02 CST**



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LIF-272

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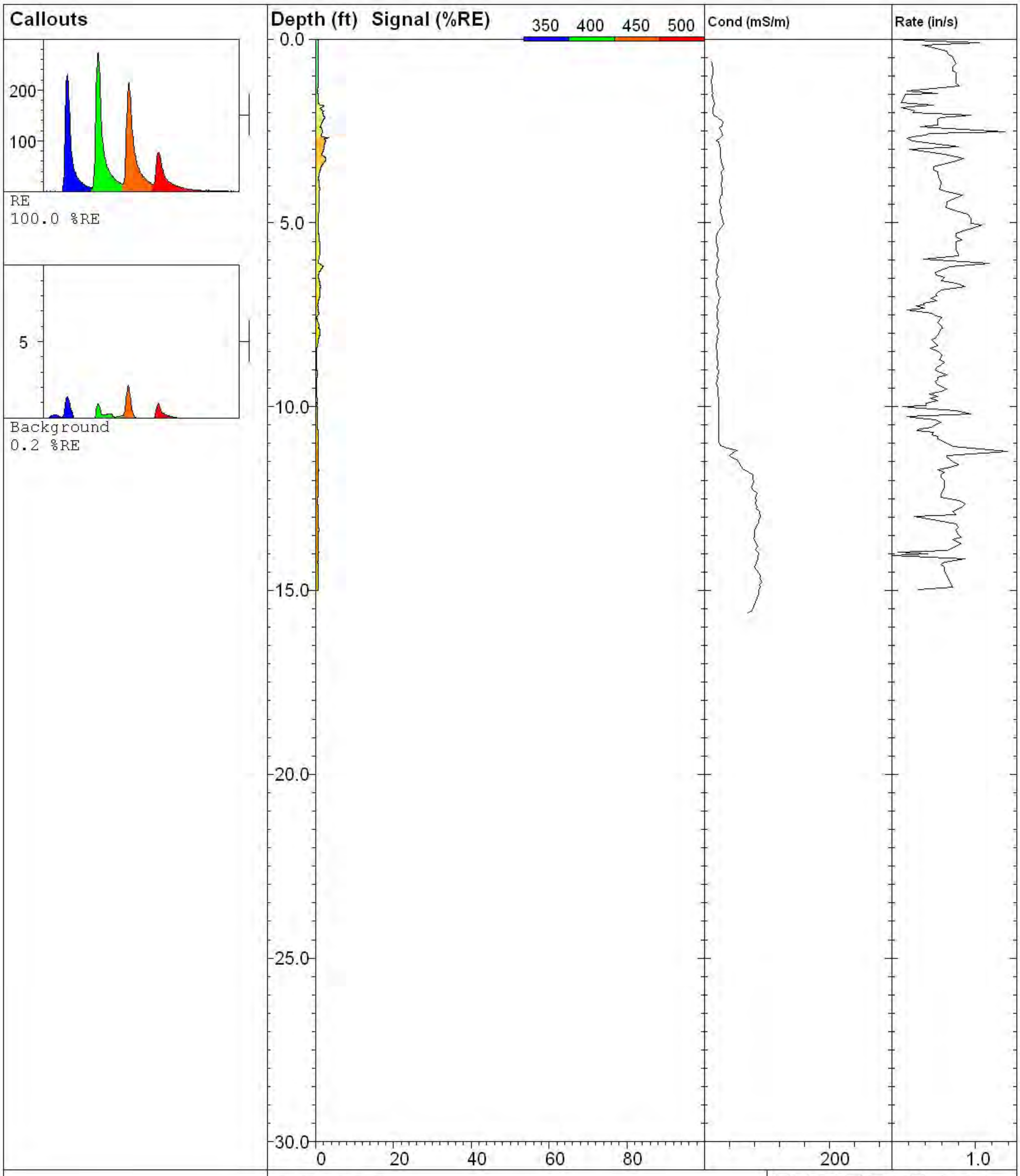
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **21.99 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **447.4 % @ 11.39 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-22 15:37 CST**



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LIF-277

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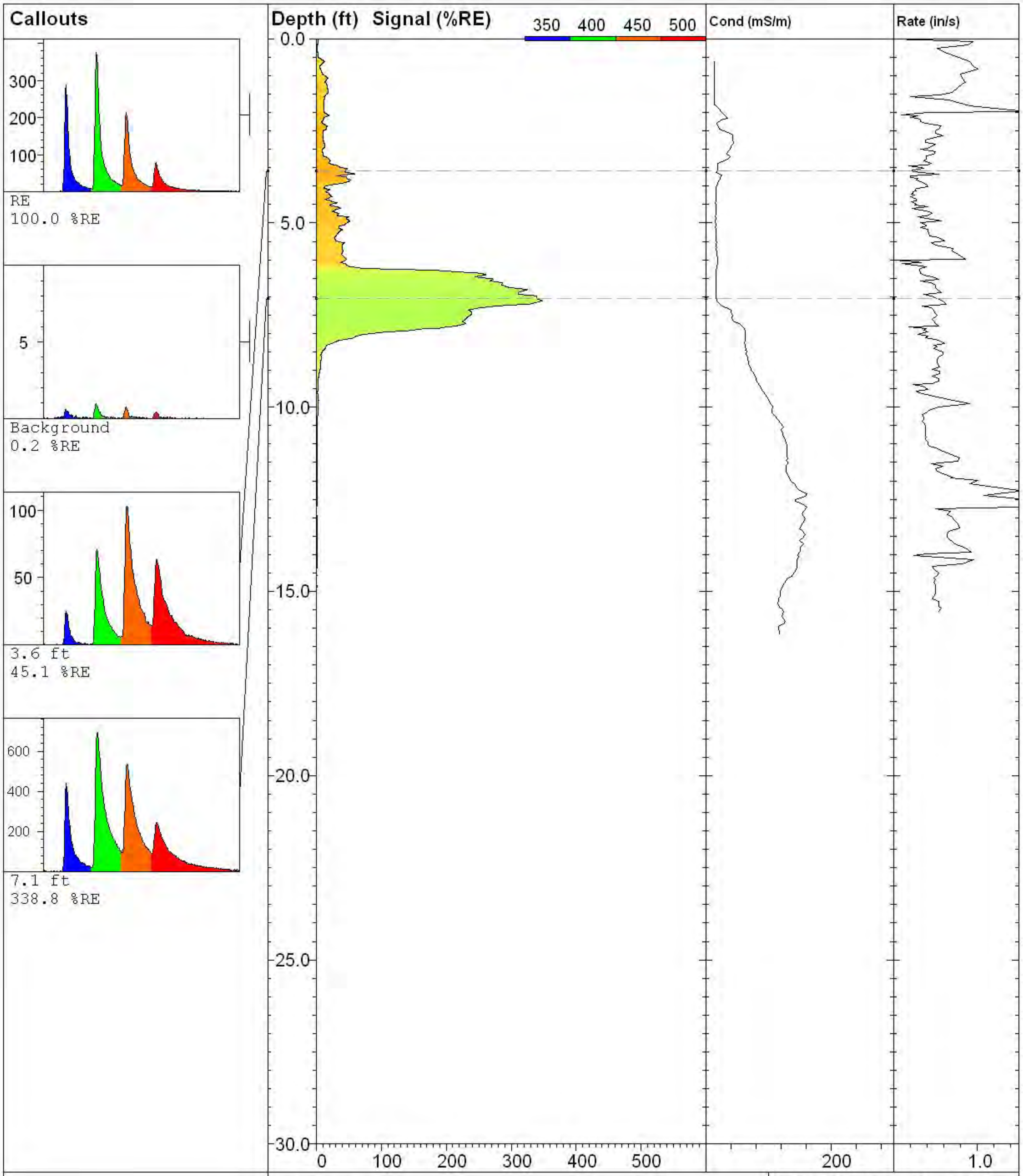
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **14.99 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **3.6 % @ 2.68 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-28 10:23 CST**



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LIF-278

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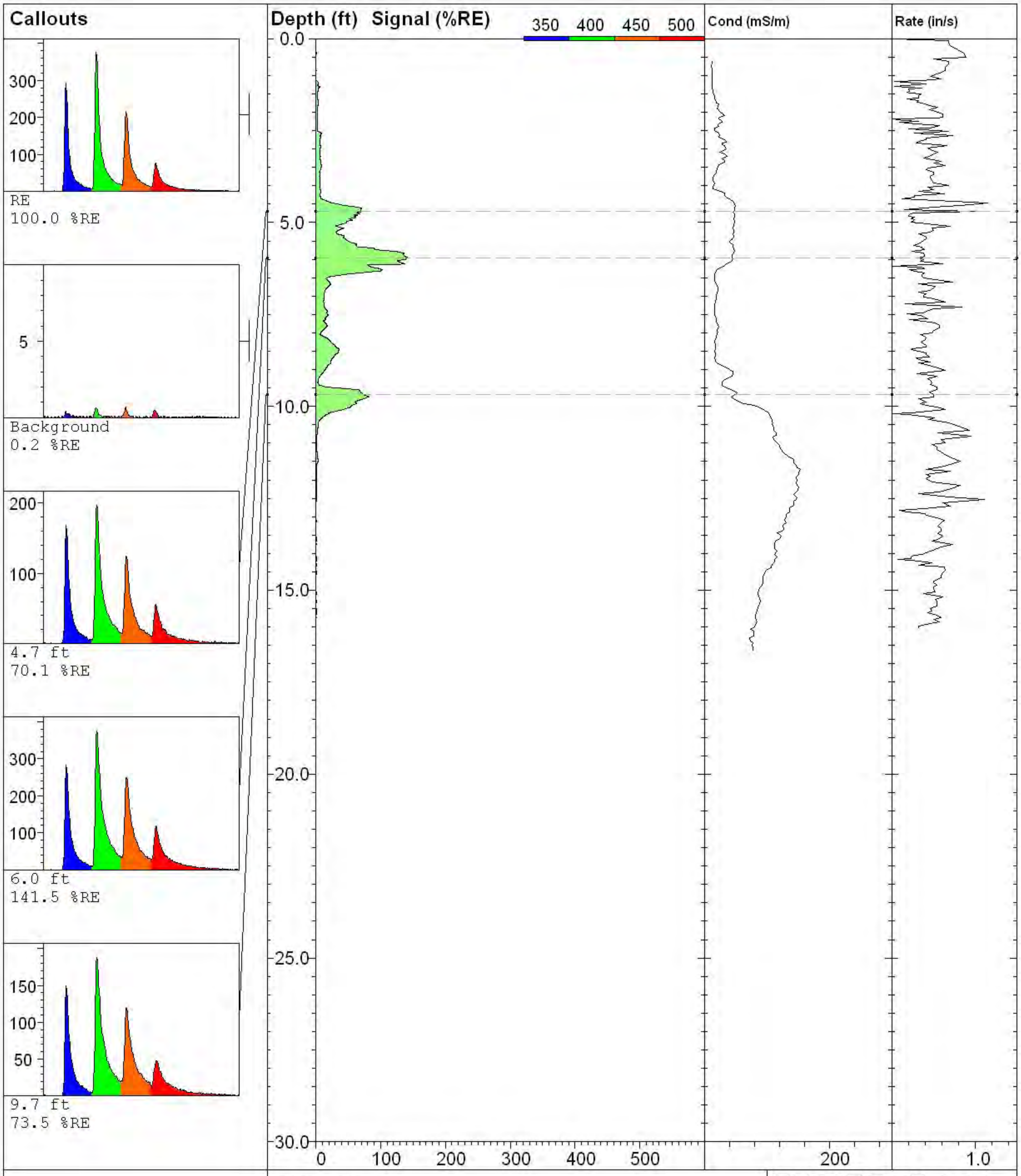
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.53 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **348.8 % @ 7.12 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-28 15:04 CST**



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LIF-280

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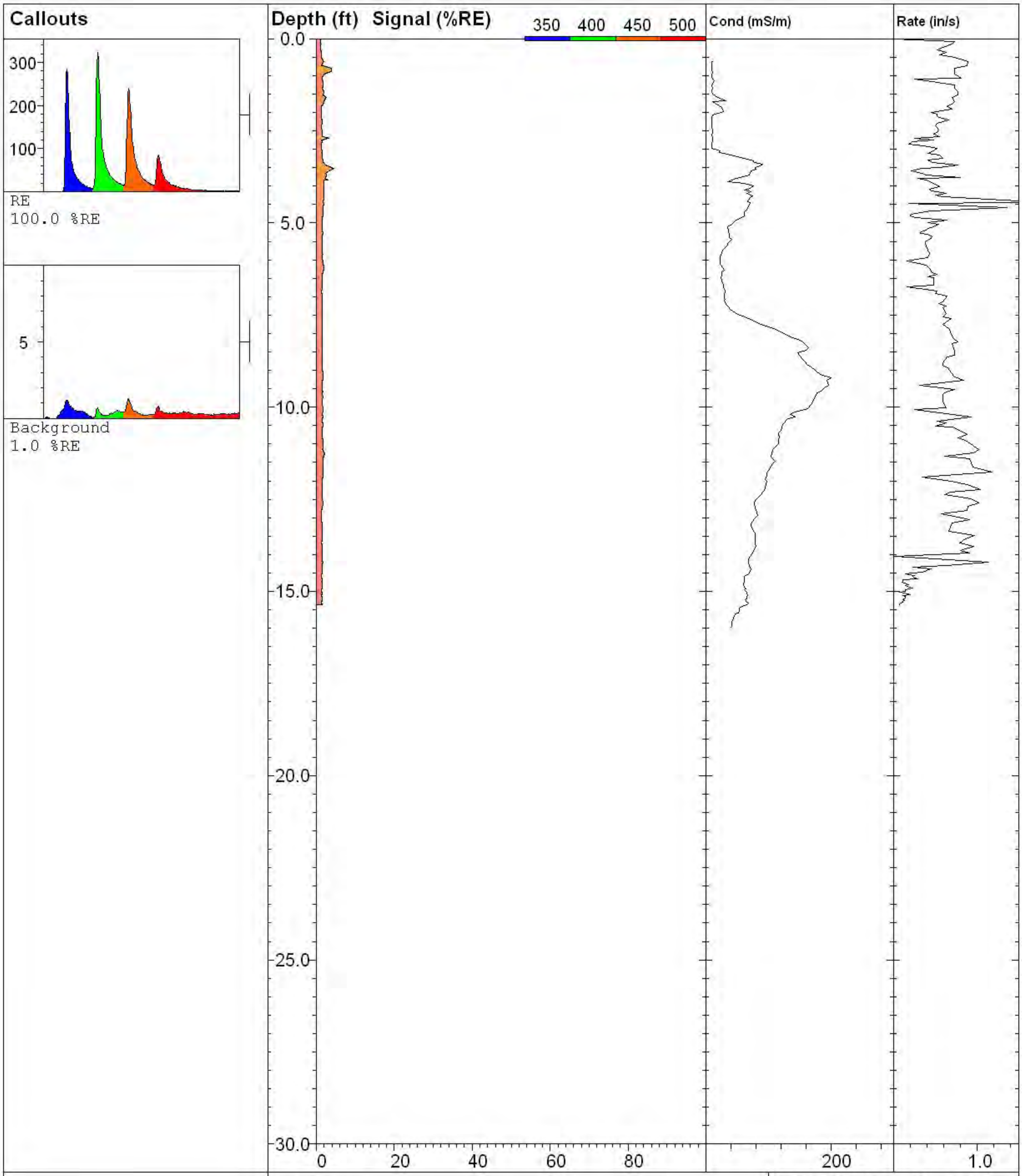
Site: **MLC- Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **16.03 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **141.5 % @ 5.95 ft**
Job: **008-MNDS-10UVa**	*Operator/Unit:* **MJ/AK/UVOST1013**	*Date & Time:* **2010-01-27 10:19 CST**



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LIF-282

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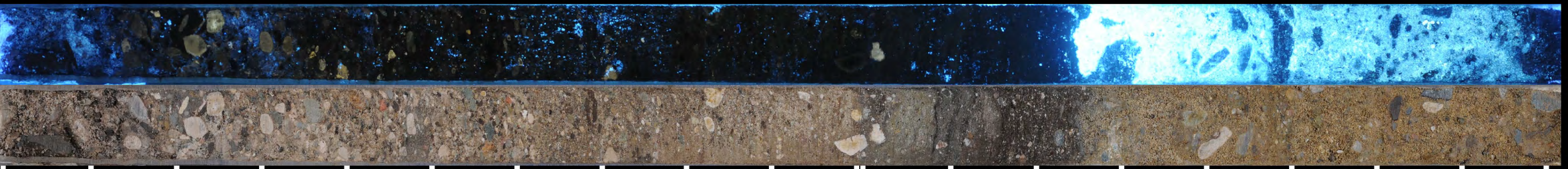
Site: **MLC-Willow Run Property**	*Latitude / Datum:* **Unavailable / NA**	*Final depth:* **15.37 ft**
Client: **ARCADIS**	*Longitude / Fix:* **Unavailable / NA**	*Max signal:* **4.5 % @ 3.53 ft**
Job: **008-MNDS-10UV**	*Operator/Unit:* **DT/SA/UVOST1003**	*Date & Time:* **2010-01-21 10:27 CST**

Appendix G

Soil Core Photography

PTS Laboratories
PTS File No.: 41888



3.0 4.0 4.0 5.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: ARC-011

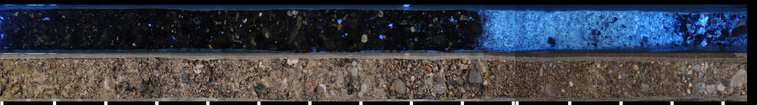
Project No.: 017358-T01-01

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: ARC-011

Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888



6.0 7.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: ARC-025
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

7.0 8.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: ARC-025
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

8.0 9.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: ARC-025
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

9.0 10.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: ARC-025
Project No.: 017358-T01-01

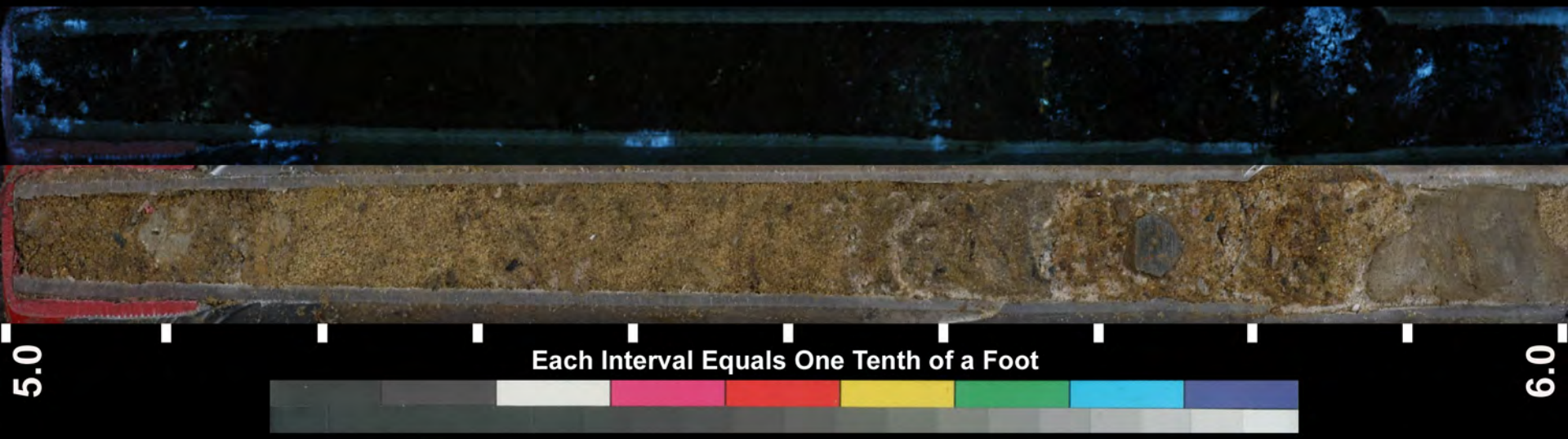
PTS Laboratories
PTS File No.: 41888

10.0 11.0

Each Interval Equals One Tenth of a Foot

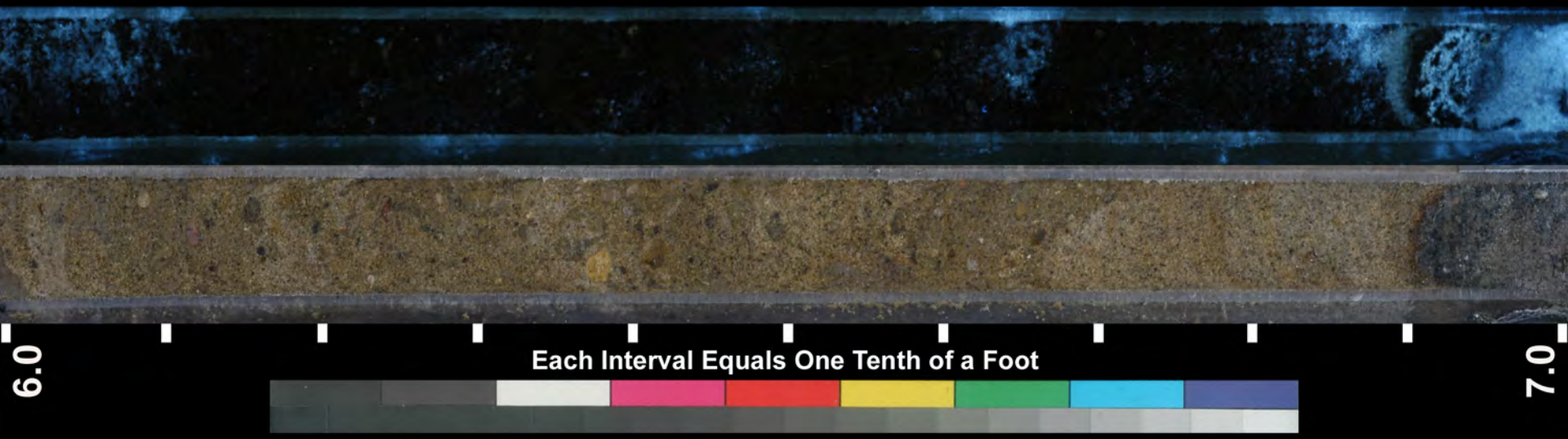
Project: Willow Run Boring ID: ARC-025
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 40772



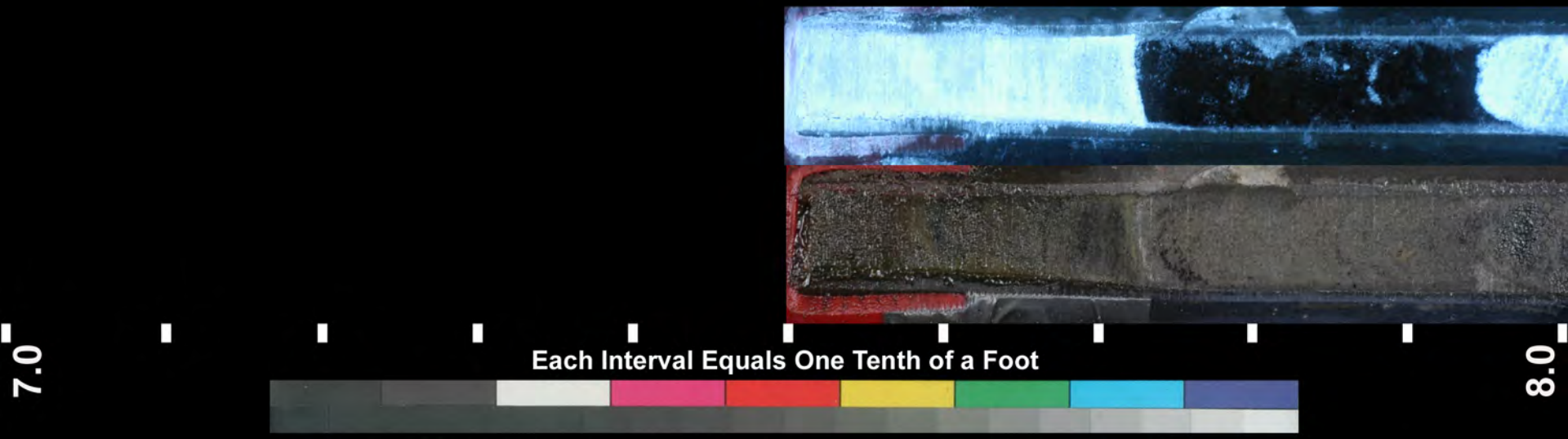
Project: MLC-Willow Run Boring ID: ARC-128 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: ARC-128 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: ARC-128 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

7.0

Each Interval Equals One Tenth of a Foot

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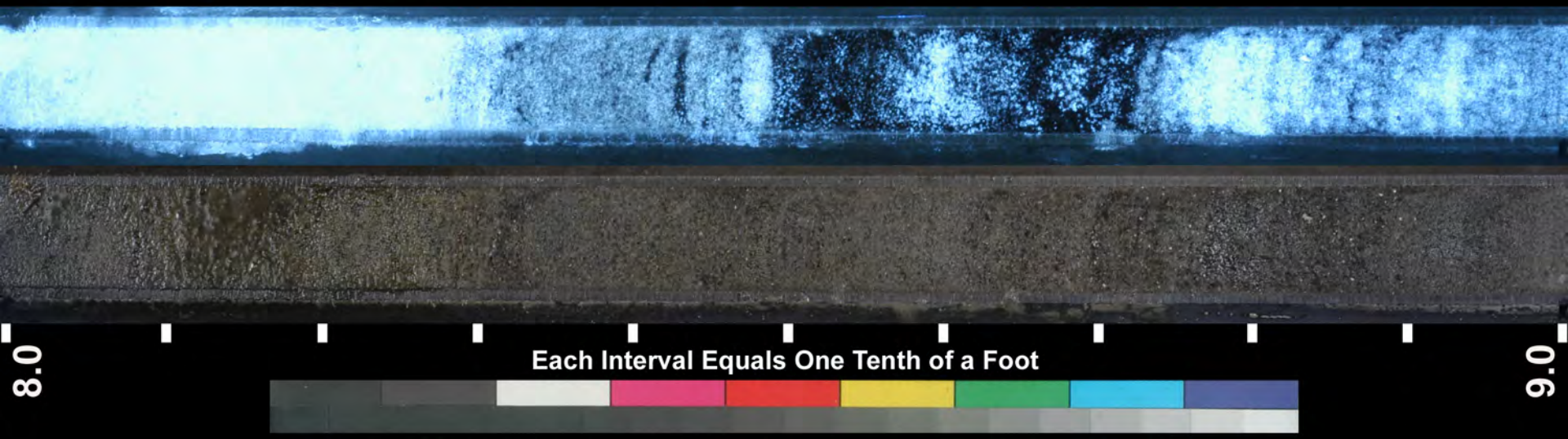
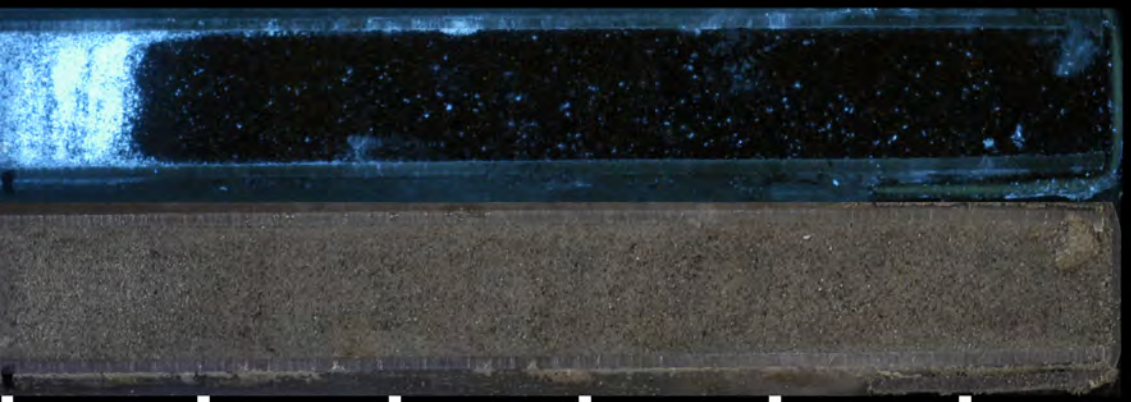
Project: MLC-Willow Run Boring ID: ARC-128 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: ARC-128 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



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Each Interval Equals One Tenth of a Foot

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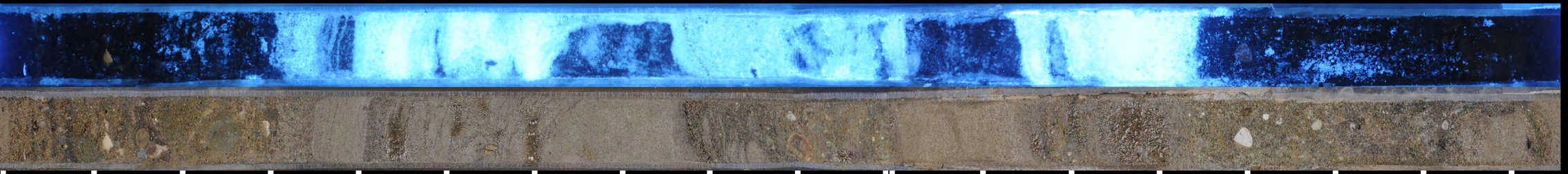
Project: MLC-Willow Run Boring ID: ARC-128 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 41888



7.0 8.0 8.0 9.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: ARC-193

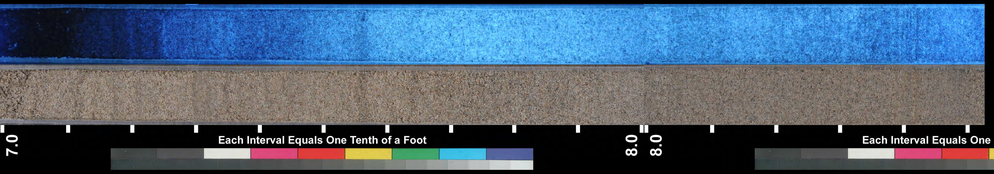
Project No.: 017358-T01-01

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: ARC-193

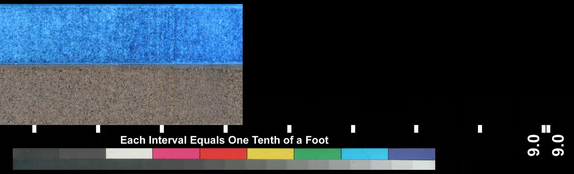
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888



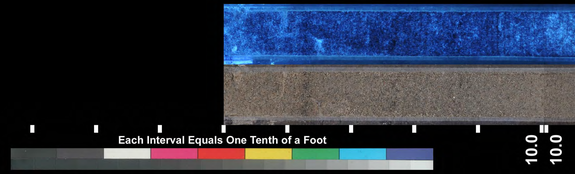
Project: Willow Run Boring ID: ARC-244
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888



Project: Willow Run Boring ID: ARC-244
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888



Project: Willow Run Boring ID: ARC-244
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

Project: Willow Run Boring ID: ARC-244
Project No.: 017358-T01-01

PTS Laboratories
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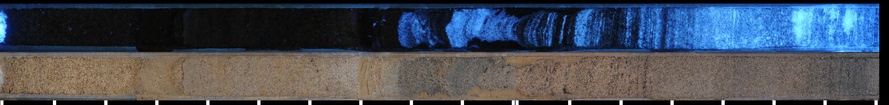


7.0 8.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: ARC-258
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

8.0 9.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: ARC-258
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

9.0 10.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: ARC-258
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

10.0 11.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: ARC-258
Project No.: 017358-T01-01

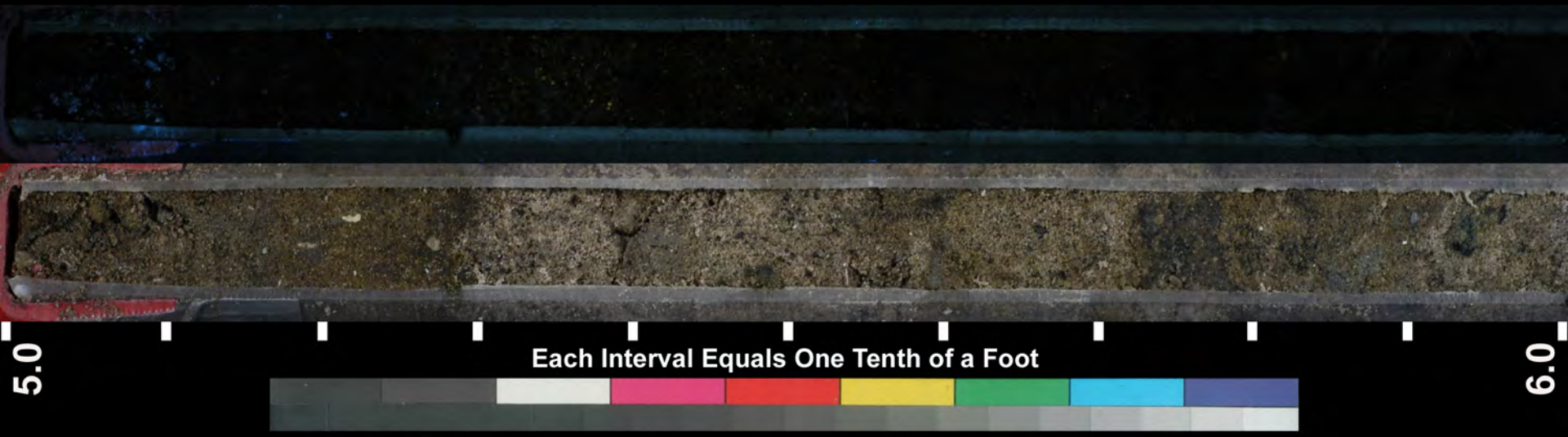
PTS Laboratories
PTS File No.: 41888

11.0 12.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: ARC-258
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: ARC-65 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

6.0 7.0

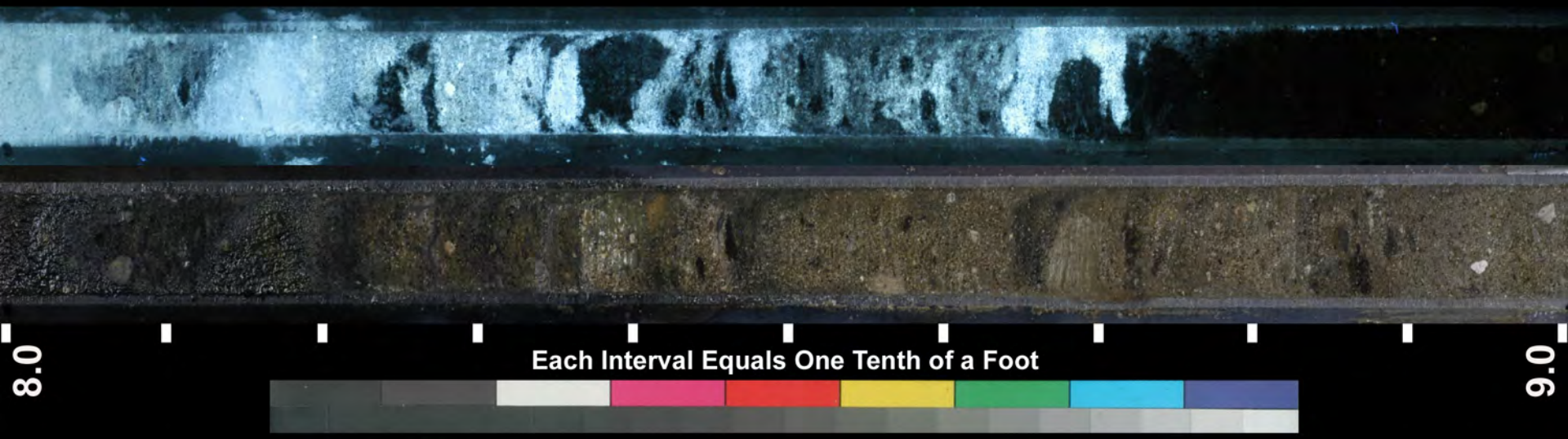
Each Interval Equals One Tenth of a Foot

Project: MLC-Willow Run Boring ID: ARC-65 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

Project: MLC-Willow Run Boring ID: ARC-65 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: ARC-65 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

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Each Interval Equals One Tenth of a Foot

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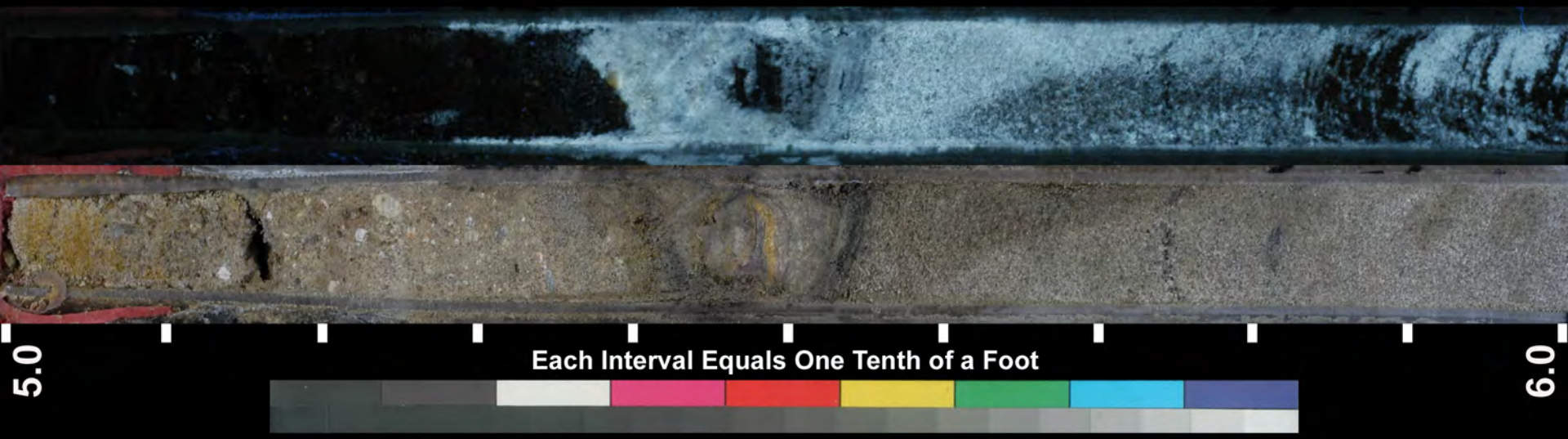
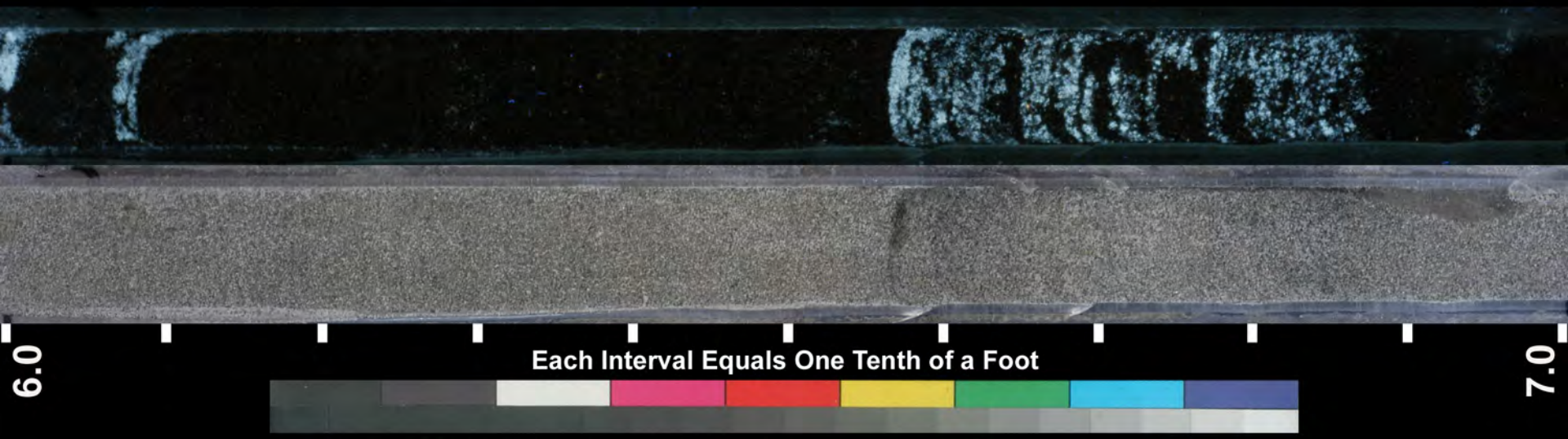
Project: MLC-Willow Run Boring ID: ARC-65 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



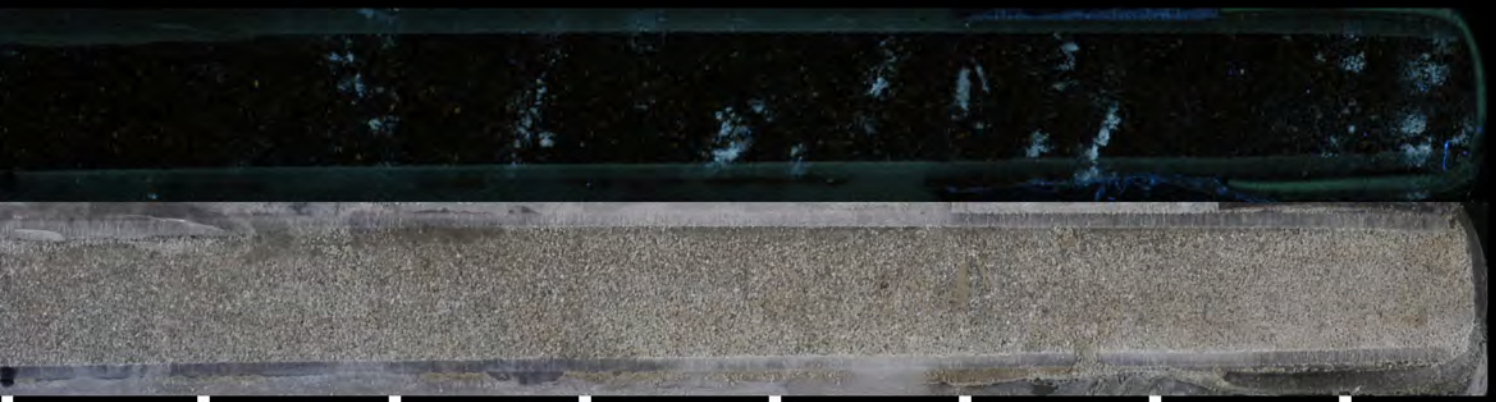
Project: MLC-Willow Run Boring ID: LIF-009 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-009 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



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Each Interval Equals One Tenth of a Foot

Project: MLC-Willow Run Boring ID: LIF-009 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

Project: MLC-Willow Run Boring ID: LIF-021 (2'-7')
Project No.: 17358-T01

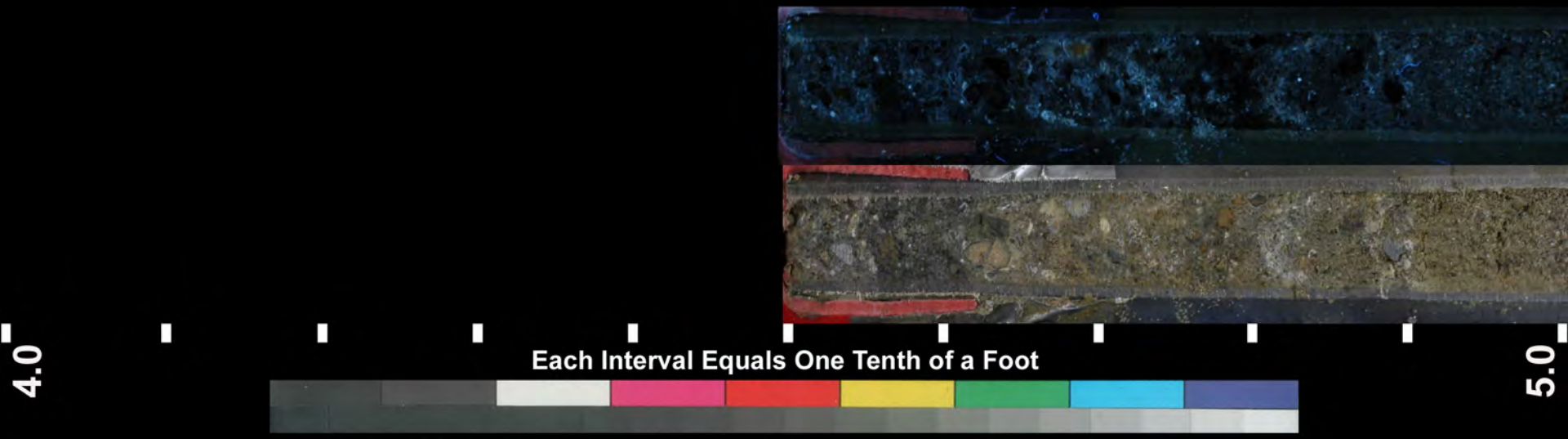
PTS Laboratories
PTS File No.: 40772

3.0 4.0

Each Interval Equals One Tenth of a Foot

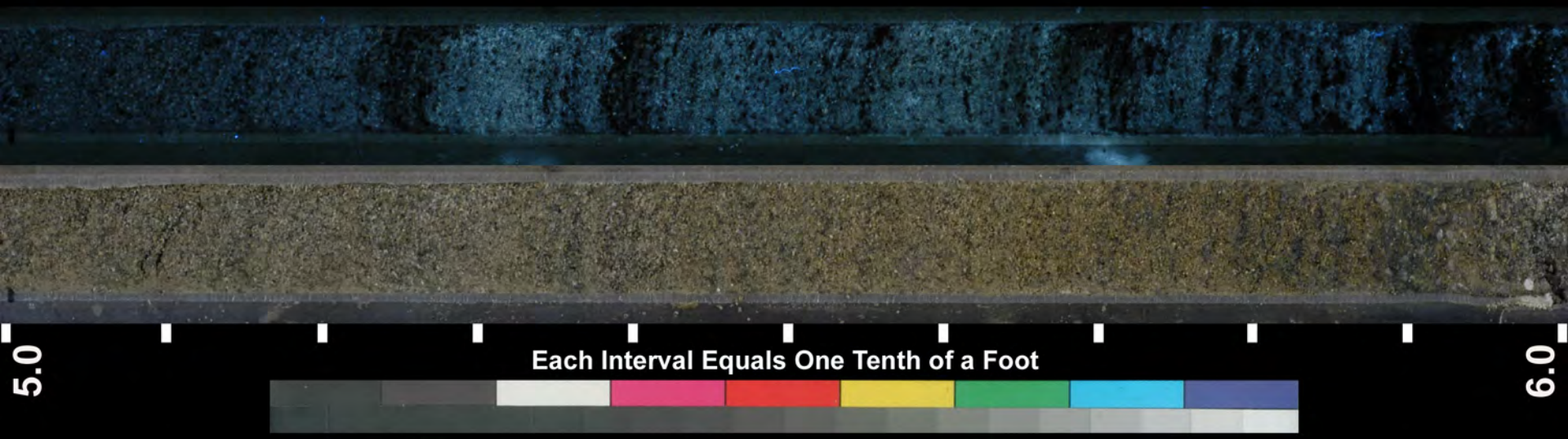
Project: MLC-Willow Run Boring ID: LIF-021 (2'-7')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



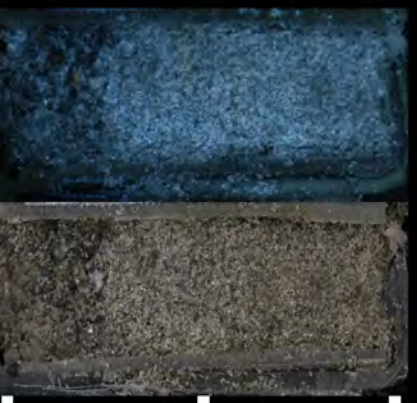
Project: MLC-Willow Run Boring ID: LIF-021 (2'-7')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-021 (2'-7')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



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Each Interval Equals One Tenth of a Foot

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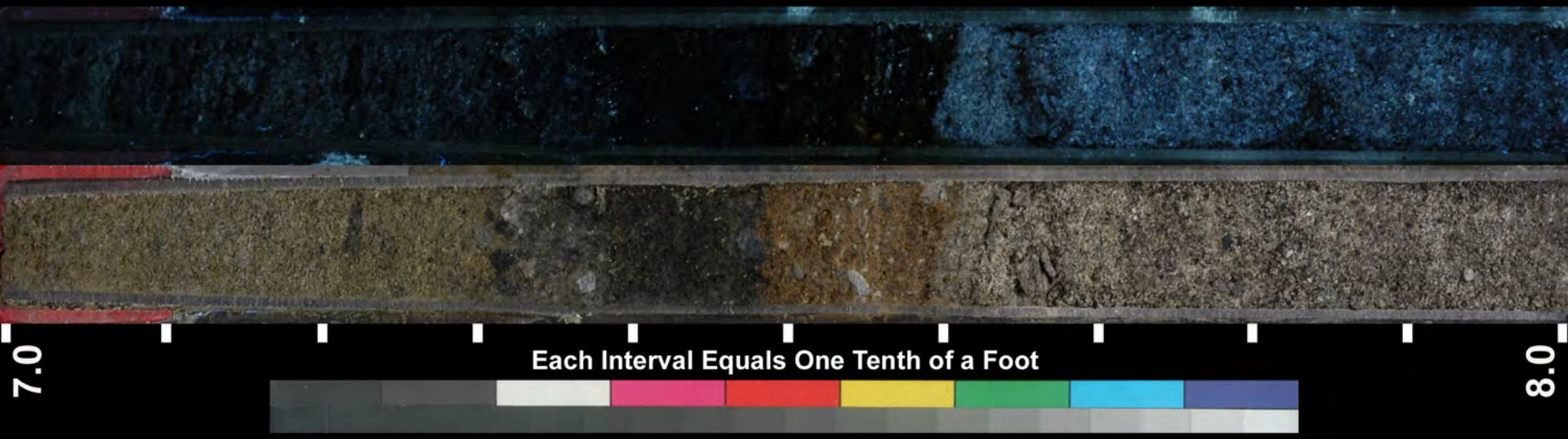
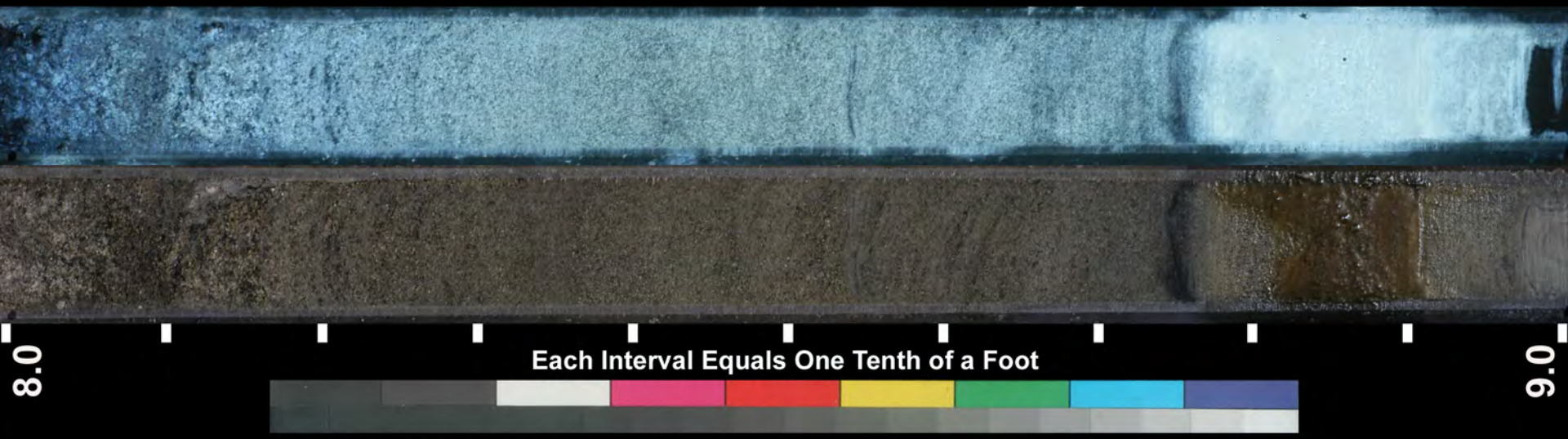
Project: MLC-Willow Run Boring ID: LIF-021 (2'-7')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



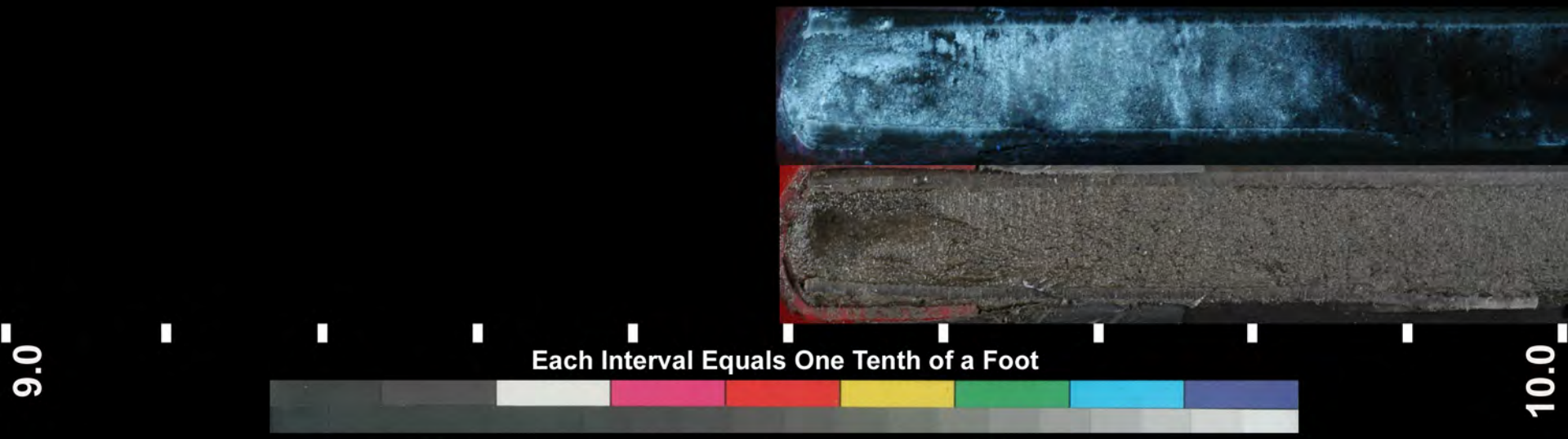
Project: MLC-Willow Run Boring ID: LIF-021 (7'-12')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-021 (7'-12')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-021 (7'-12')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

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Each Interval Equals One Tenth of a Foot

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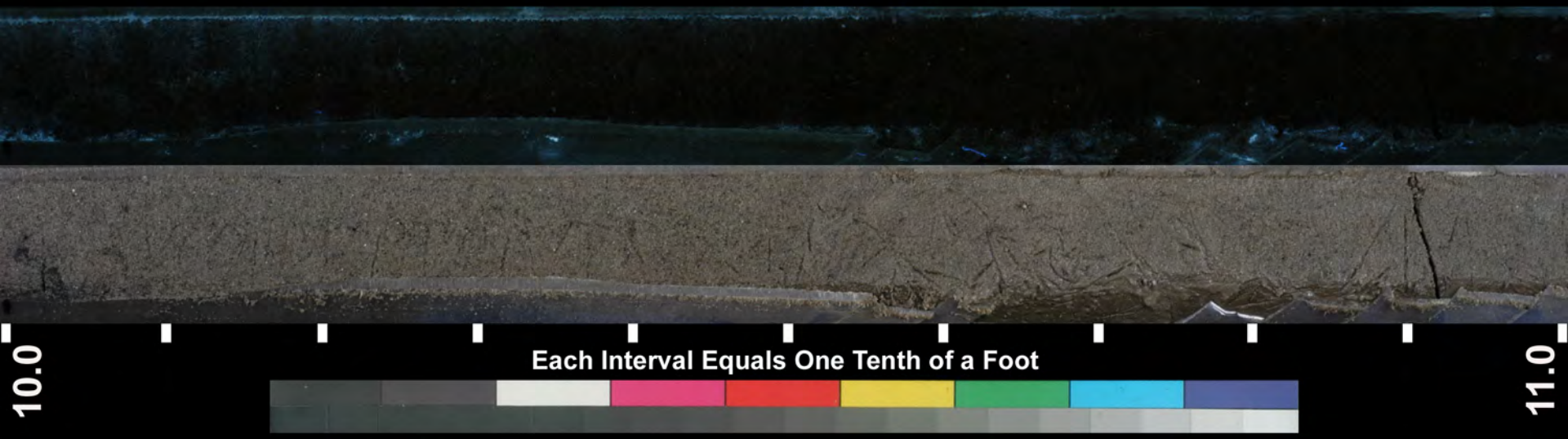
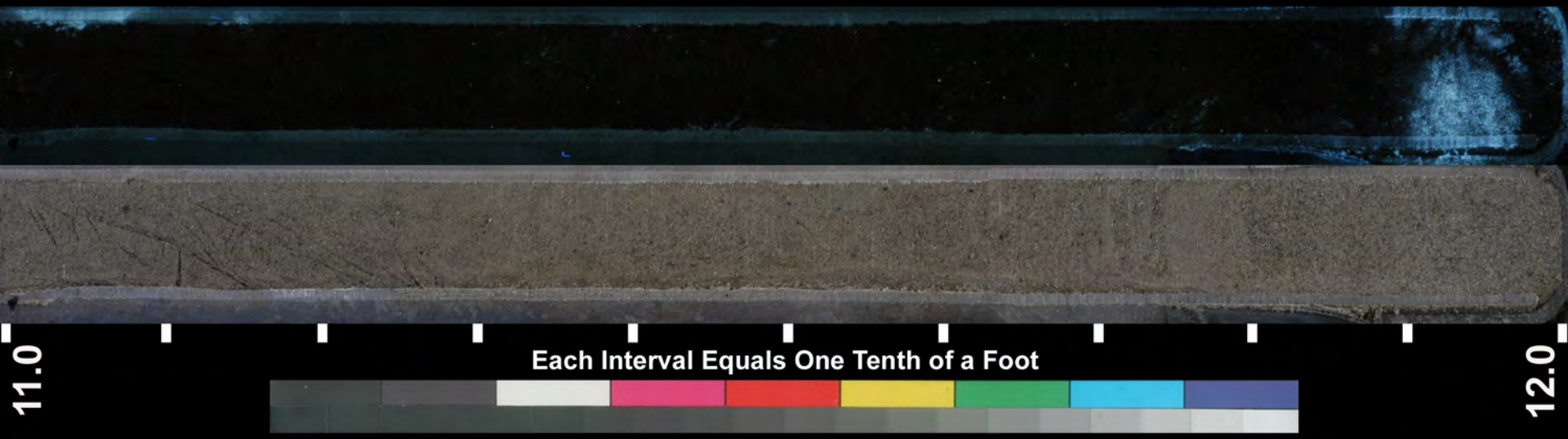
Project: MLC-Willow Run Boring ID: LIF-021 (2'-7')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



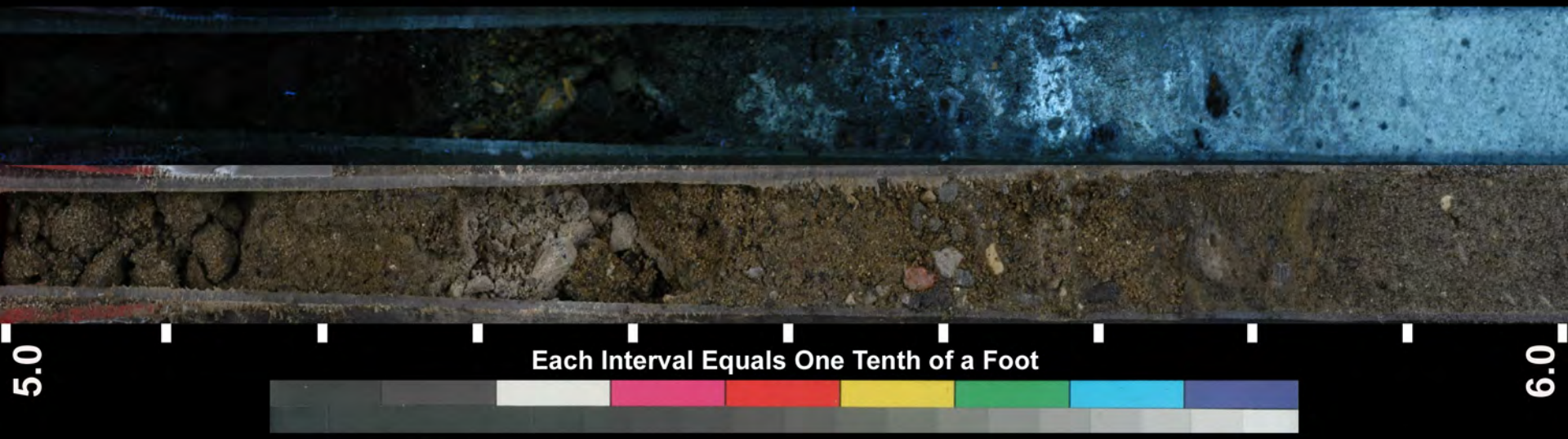
Project: MLC-Willow Run Boring ID: LIF-021 (2'-7')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



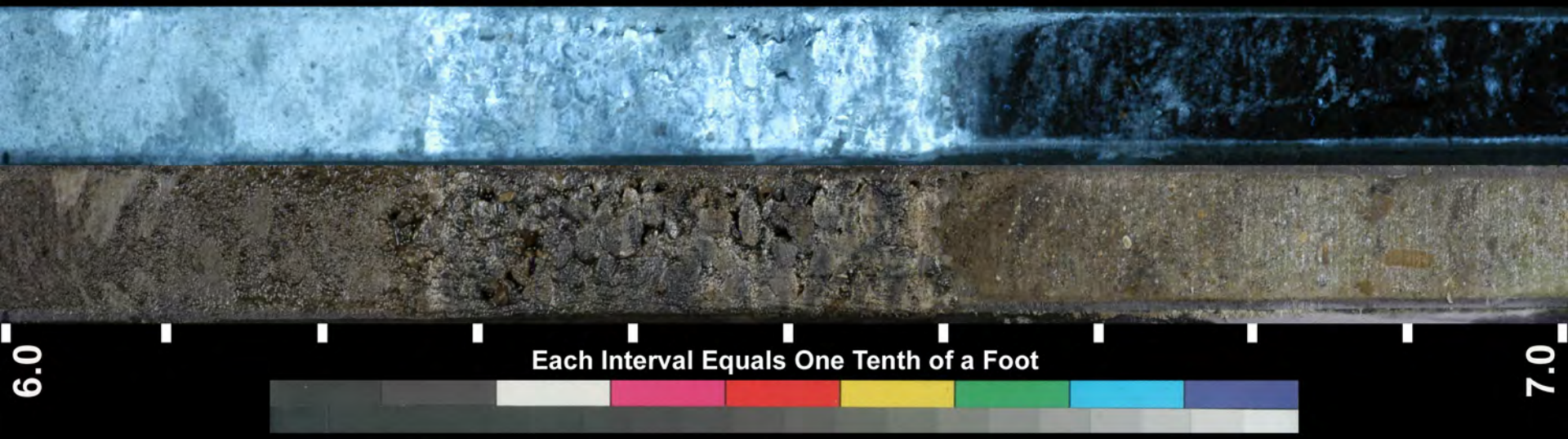
Project: MLC-Willow Run Boring ID: LIF-021 (7'-12')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



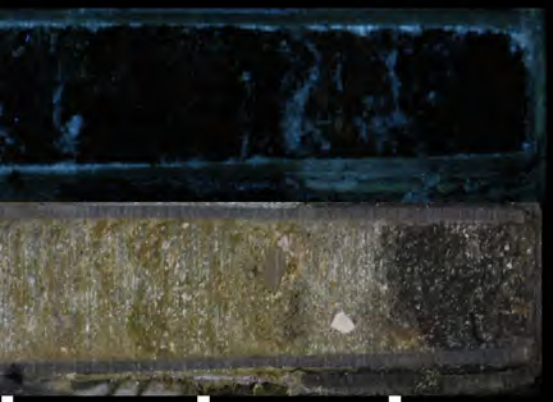
Project: MLC-Willow Run Boring ID: LIF-025 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-025 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



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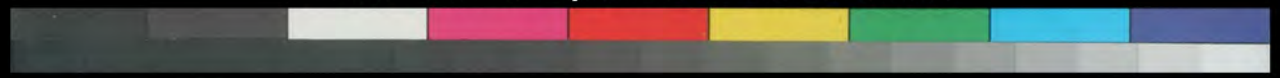
Each Interval Equals One Tenth of a Foot



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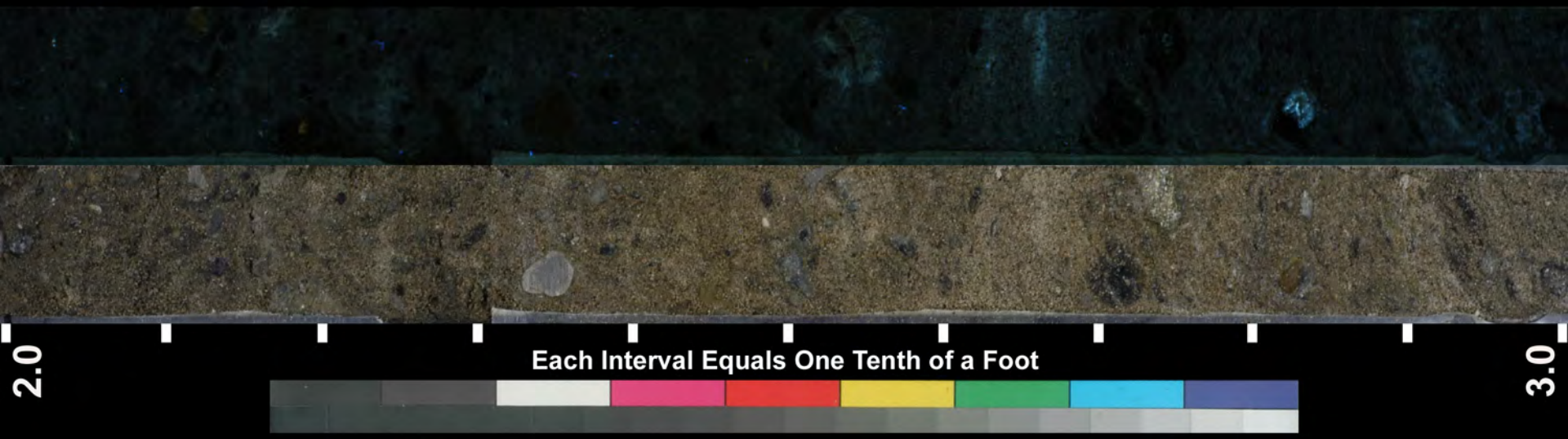
Project: MLC-Willow Run Boring ID: LIF-025 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

Project: MLC-Willow Run Boring ID: LIF-029 (1'-5')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-029 (1'-5')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

Project: MLC-Willow Run Boring ID: LIF-029 (1'-5')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

Project: MLC-Willow Run Boring ID: LIF-029 (5'-10')
Project No.: 17358-T01

PTS Laboratories
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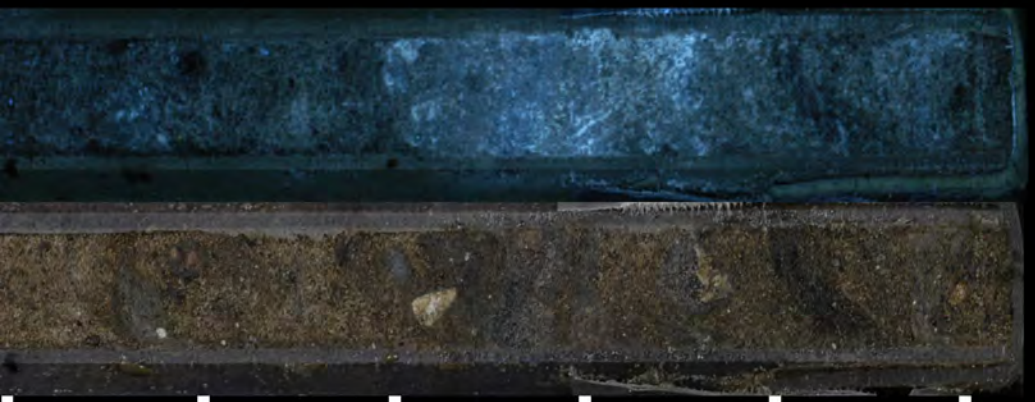

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Each Interval Equals One Tenth of a Foot

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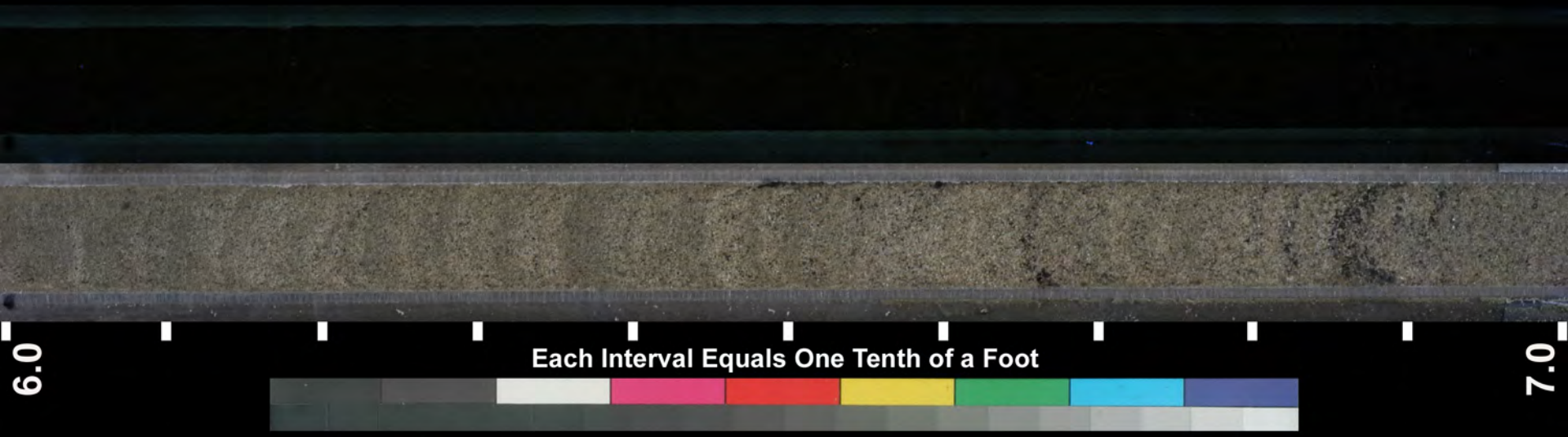
Project: MLC-Willow Run Boring ID: LIF-029 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

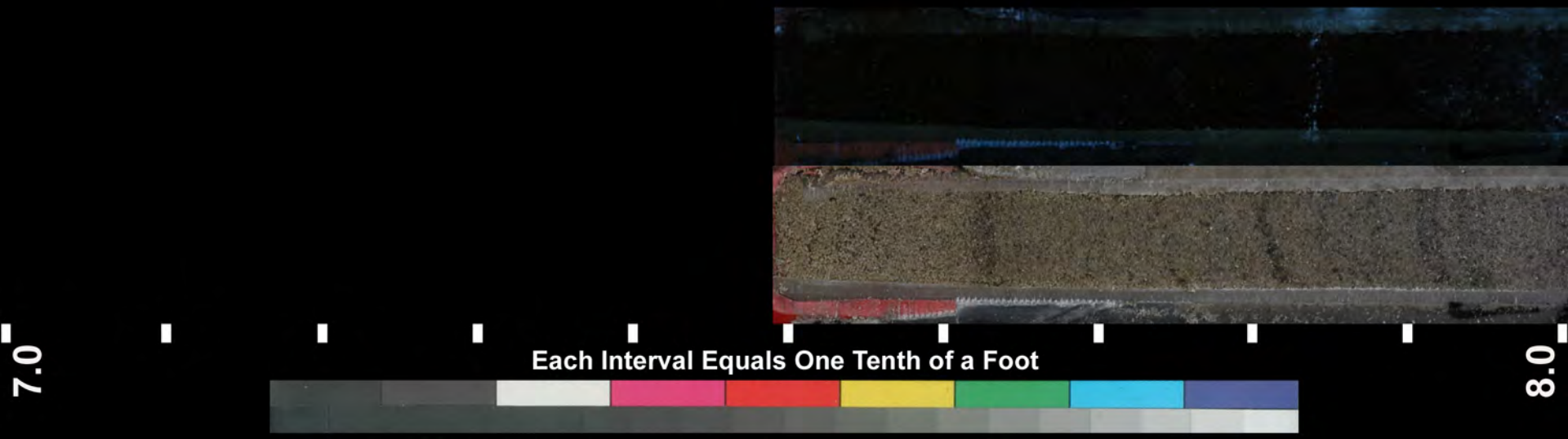
Project: MLC-Willow Run Boring ID: LIF-034 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



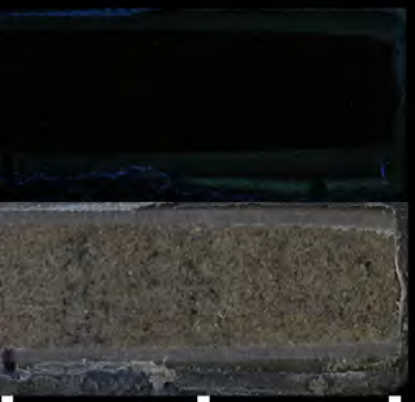
Project: MLC-Willow Run Boring ID: LIF-034 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-034 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



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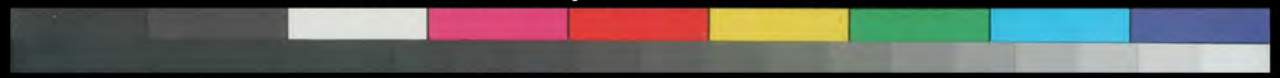
Each Interval Equals One Tenth of a Foot



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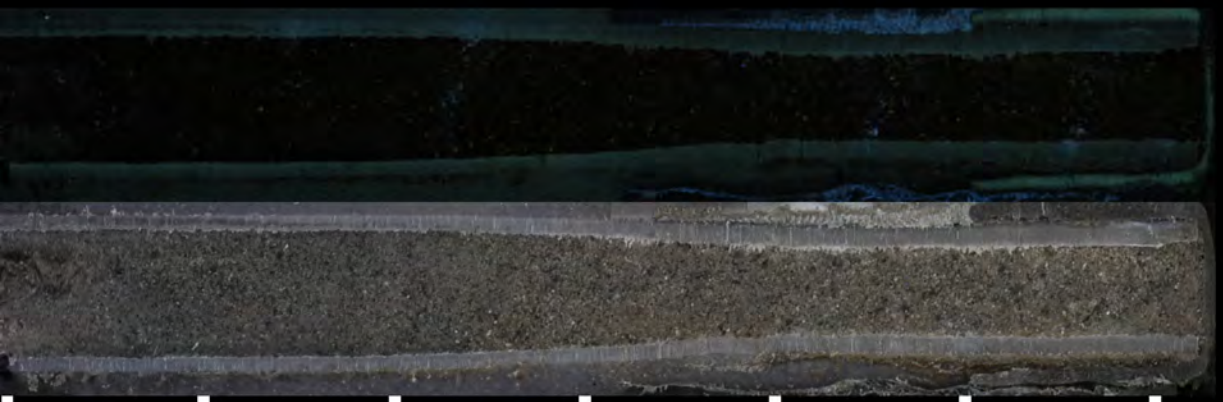
Project: MLC-Willow Run Boring ID: LIF-034 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

Project: MLC-Willow Run Boring ID: LIF-034 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



9.0

Each Interval Equals One Tenth of a Foot

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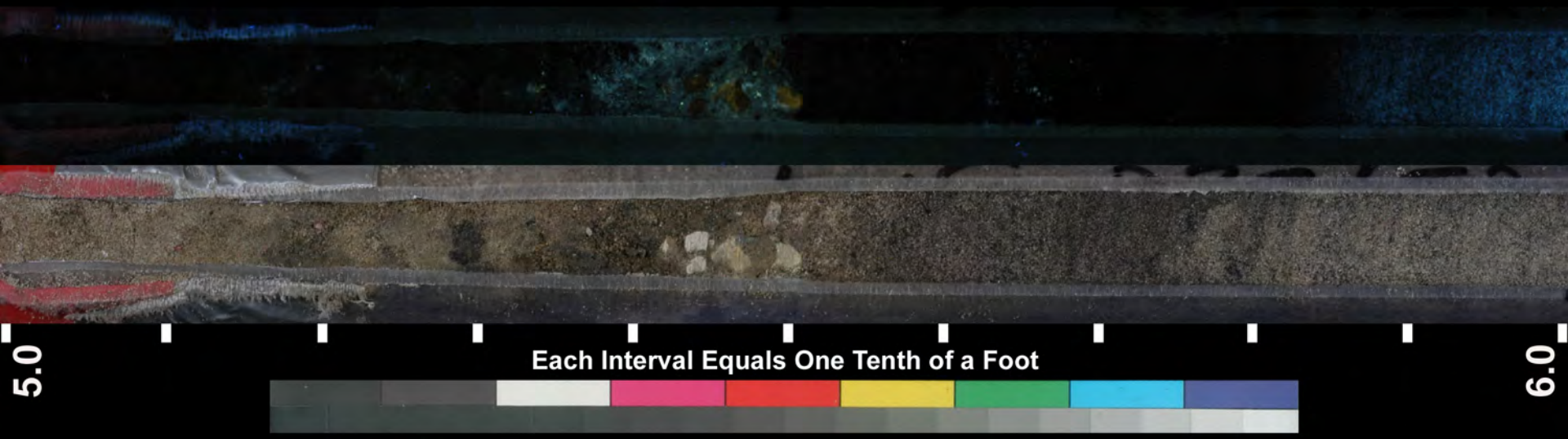
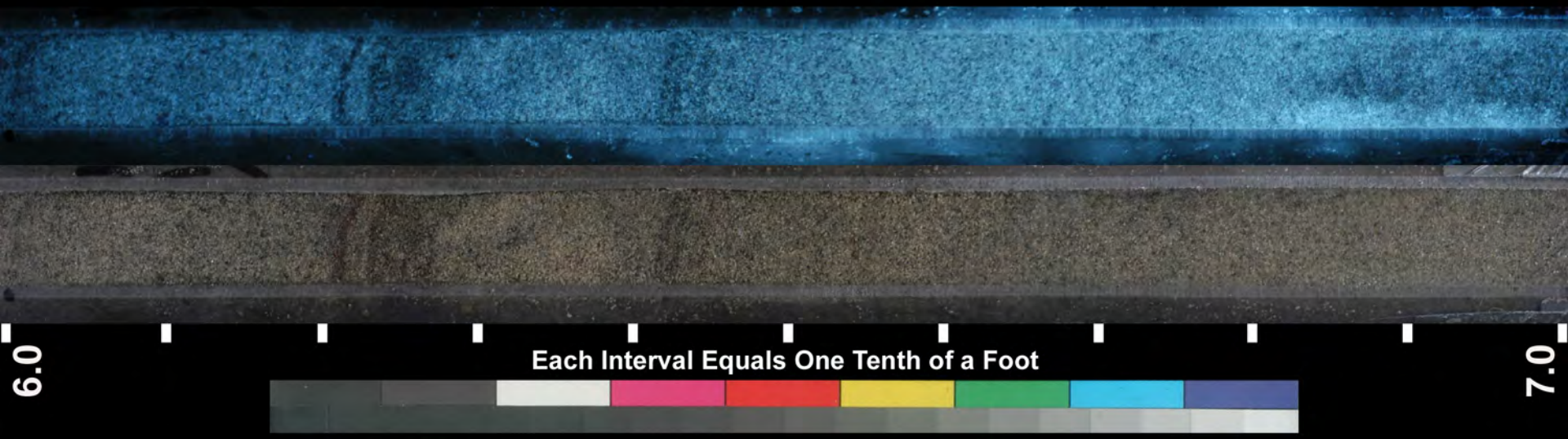
Project: MLC-Willow Run Boring ID: LIF-034 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



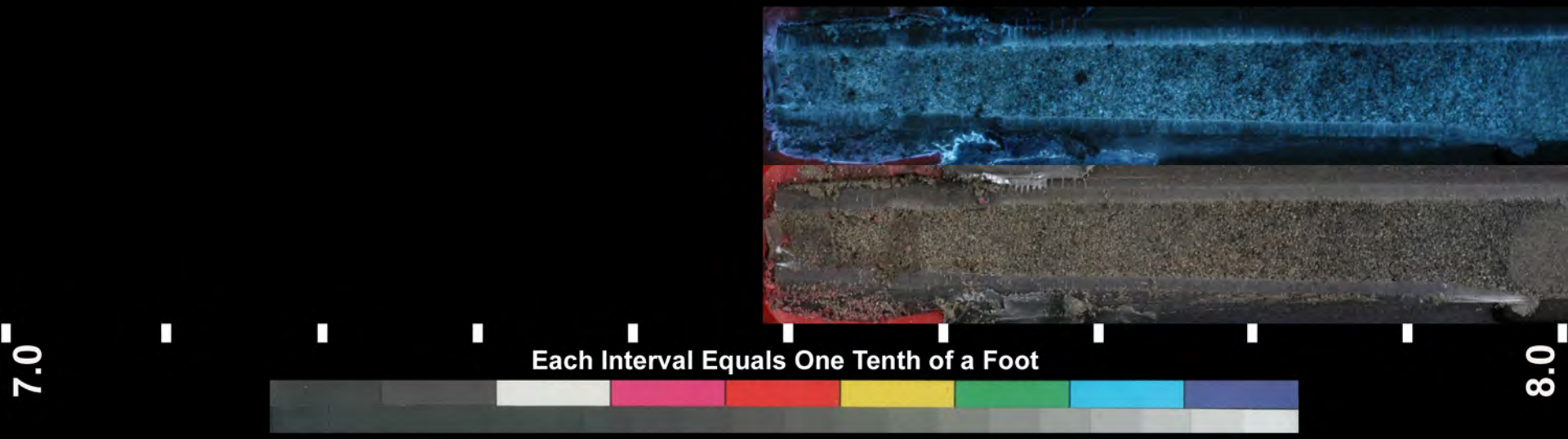
Project: MLC-Willow Run Boring ID: LIF-037 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-037 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-037 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

7.0

Each Interval Equals One Tenth of a Foot

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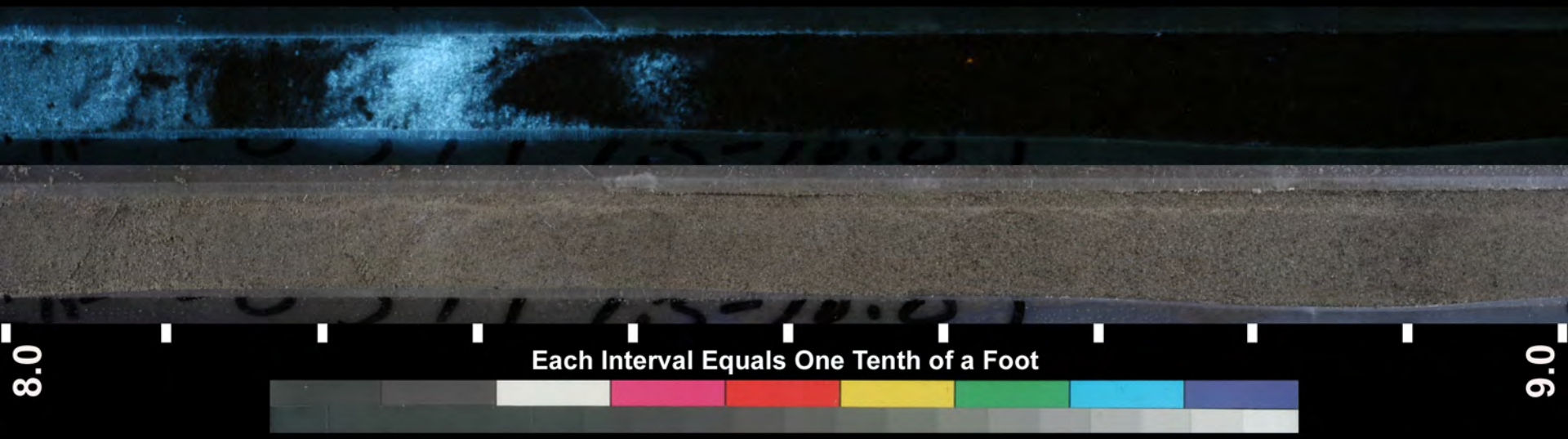
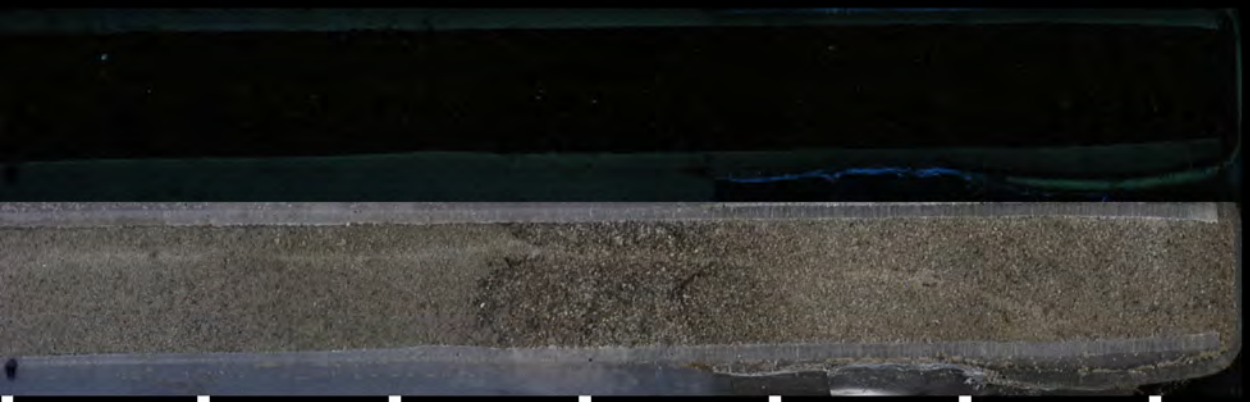
Project: MLC-Willow Run Boring ID: LIF-037 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-037 (5'-10')
Project No.: 17358-T01

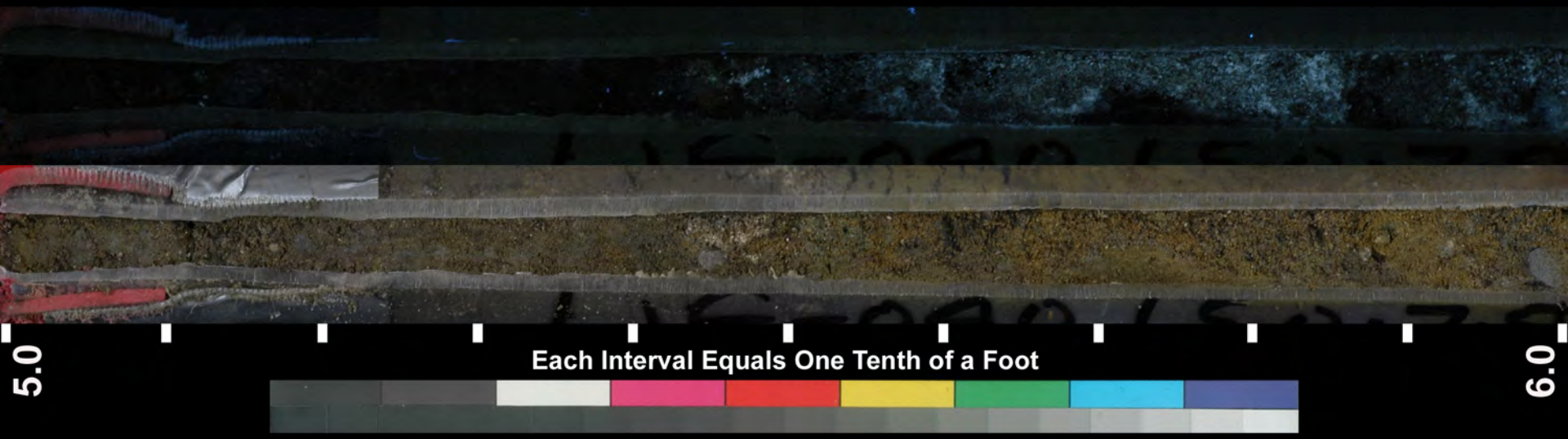
PTS Laboratories
PTS File No.: 40772



9.0 Each Interval Equals One Tenth of a Foot 10.0

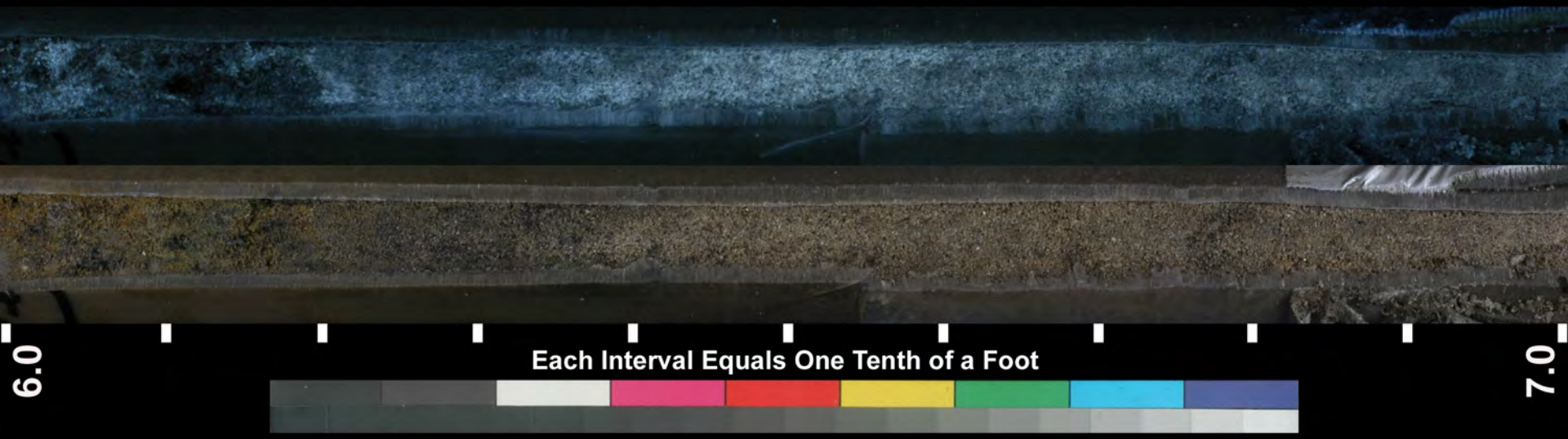
Project: MLC-Willow Run Boring ID: LIF-037 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



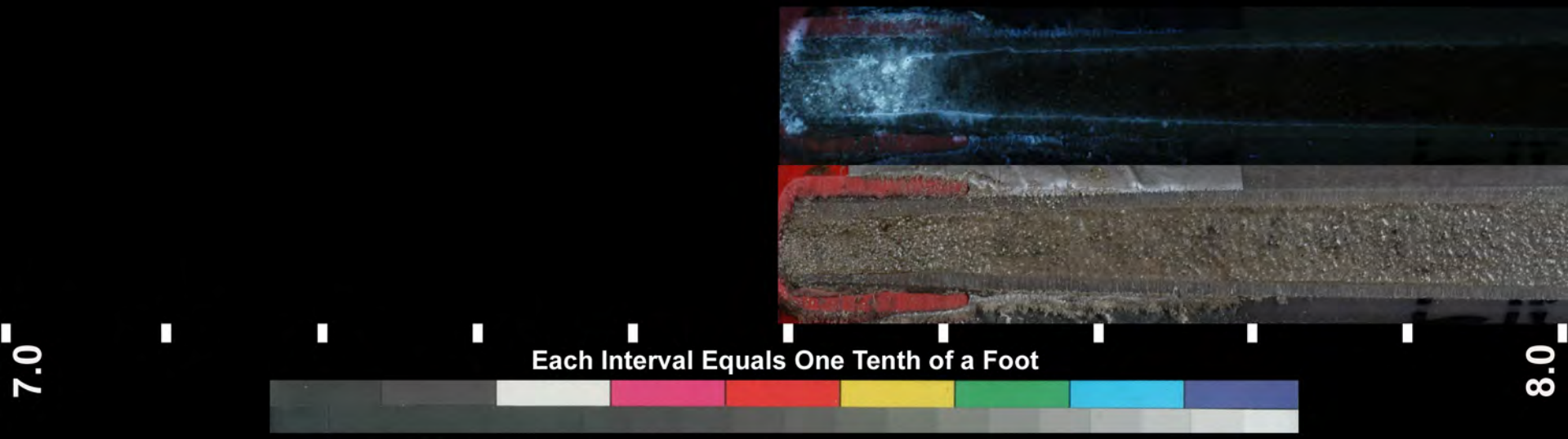
Project: MLC-Willow Run Boring ID: LIF-040 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-040 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-040 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

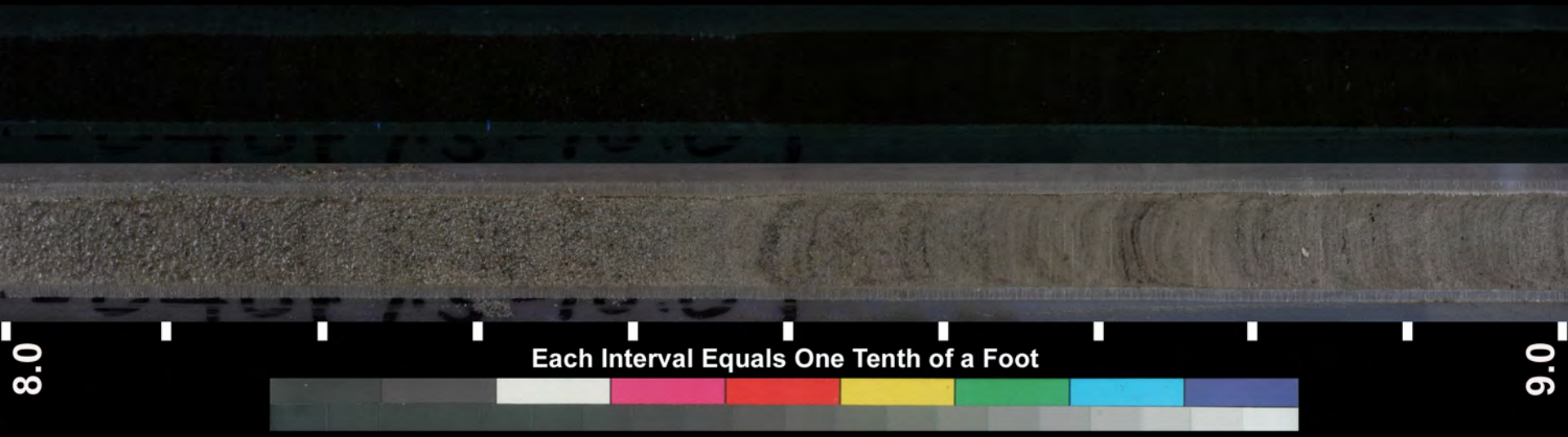
7.0

Each Interval Equals One Tenth of a Foot

8.0

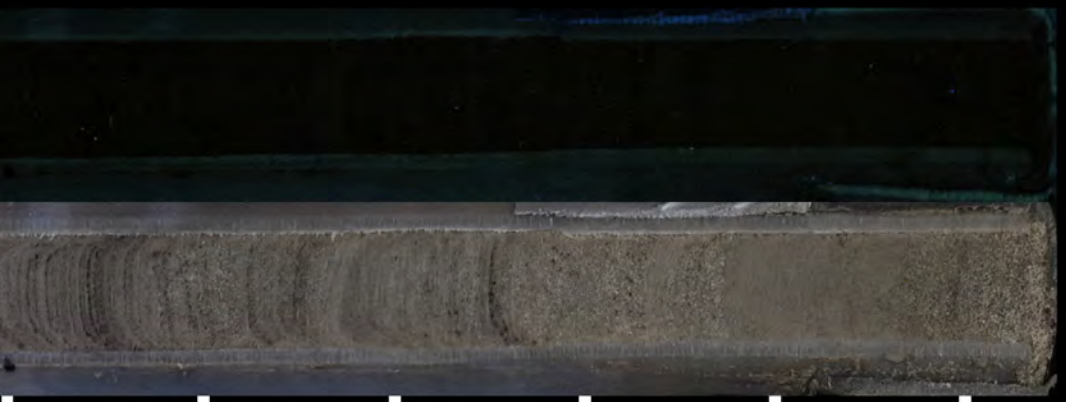
Project: MLC-Willow Run Boring ID: LIF-040 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-040 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



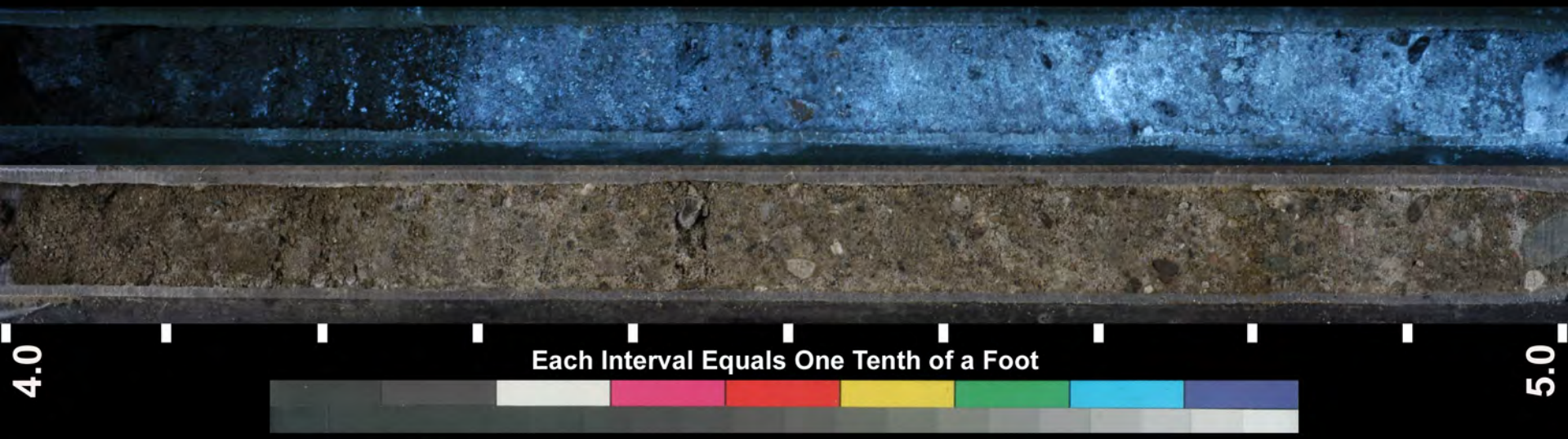
9.0

Each Interval Equals One Tenth of a Foot

10.0

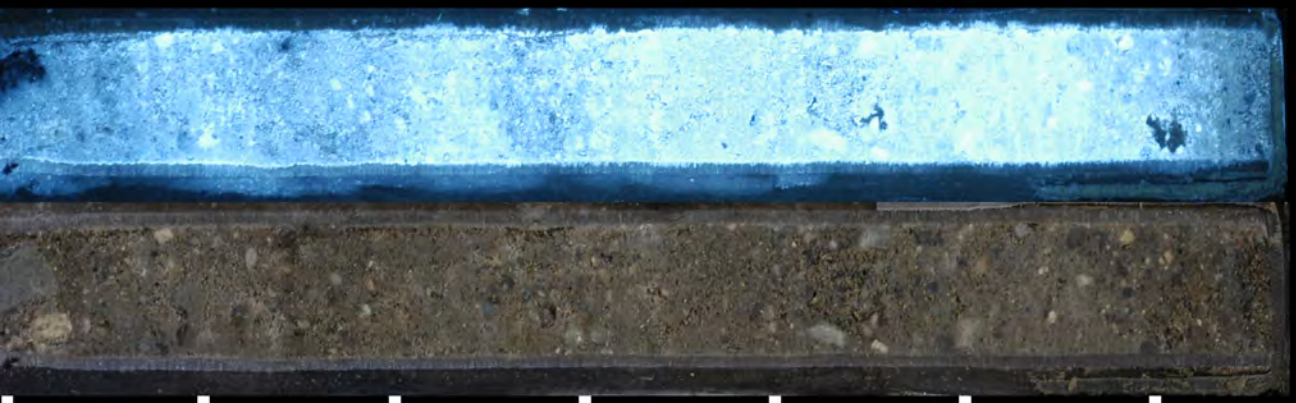
Project: MLC-Willow Run Boring ID: LIF-040 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-055 (4'-9')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

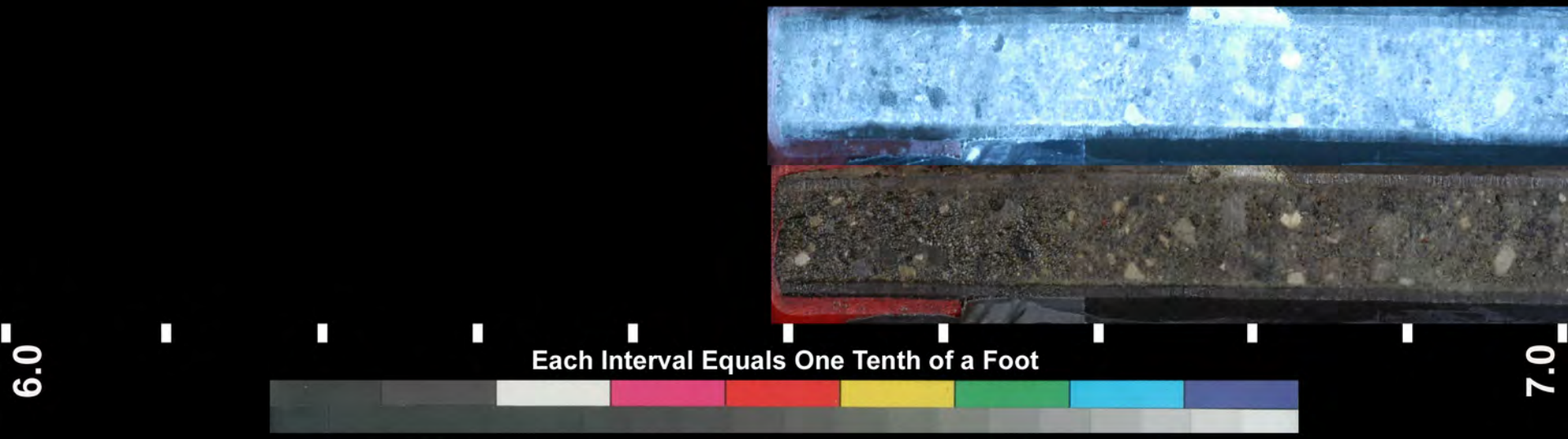


5.0 6.0

Each Interval Equals One Tenth of a Foot

Project: MLC-Willow Run Boring ID: LIF-055 (4'-9')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-055 (4'-9')
Project No.: 17358-T01

PTS Laboratories
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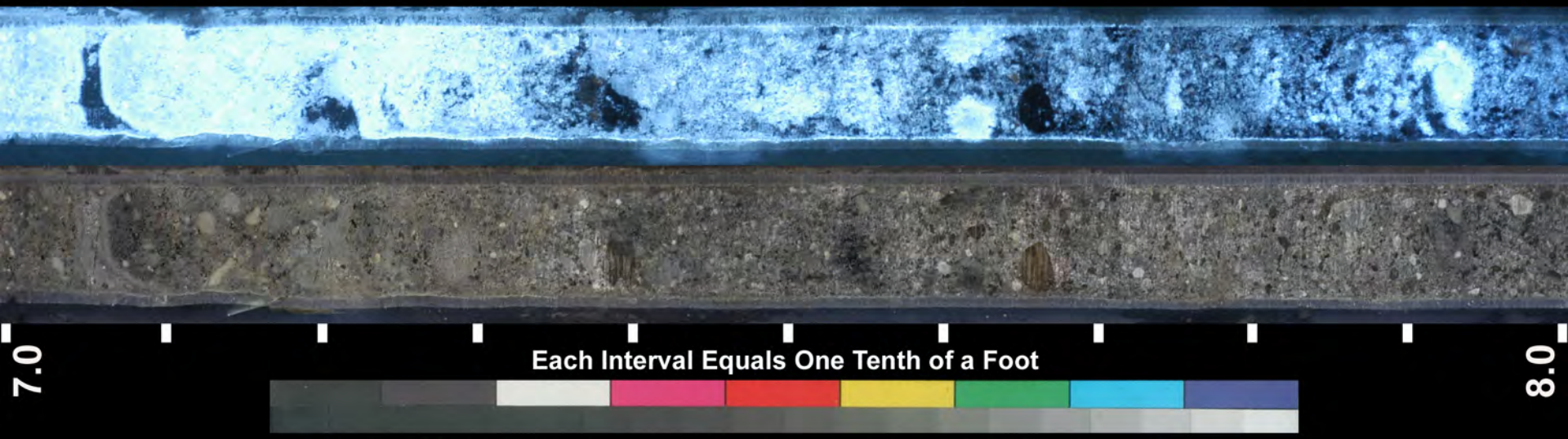
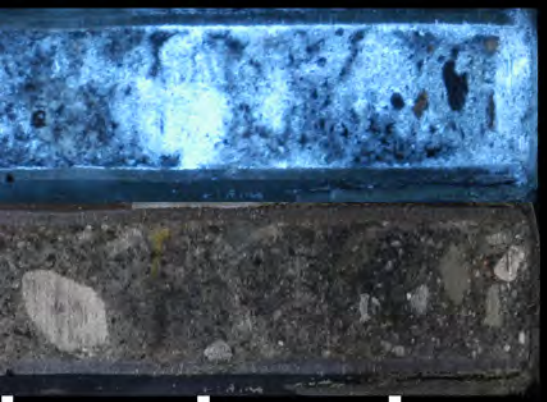


Project: MLC-Willow Run Boring ID: LIF-055 (4'-9')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



8.0

Each Interval Equals One Tenth of a Foot

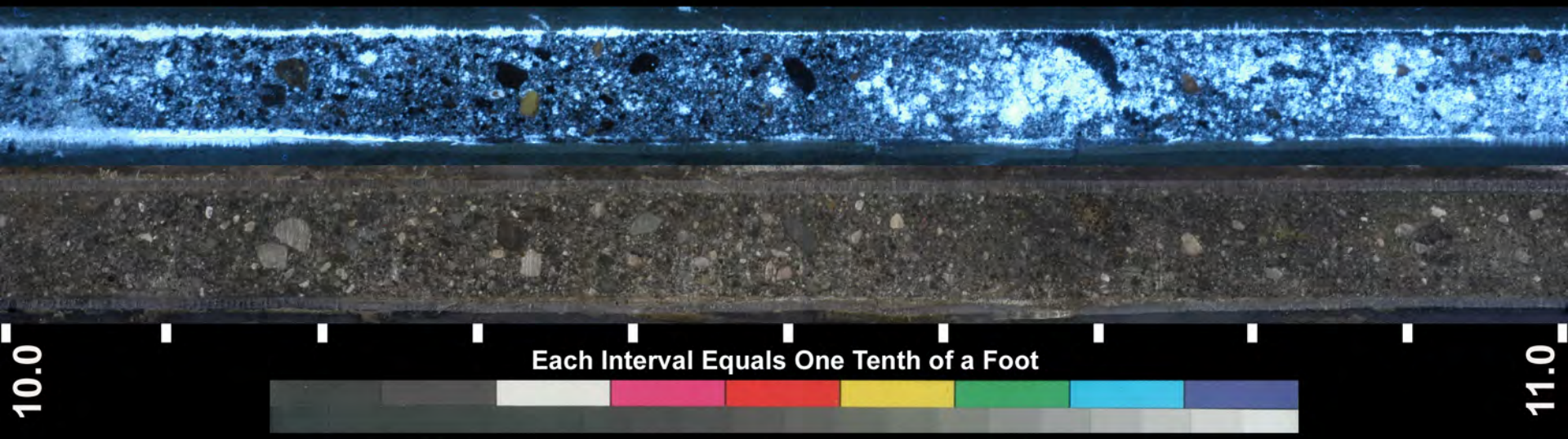
9.0

Project: MLC-Willow Run Boring ID: LIF-055 (4'-9')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

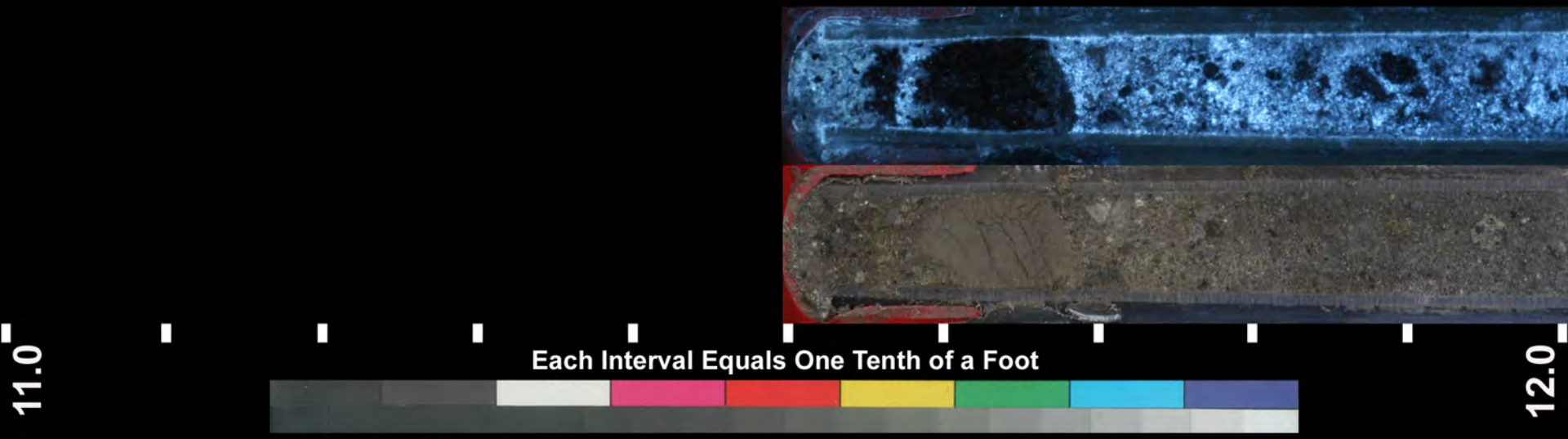
Project: MLC-Willow Run Boring ID: LIF-055 (9'-14')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



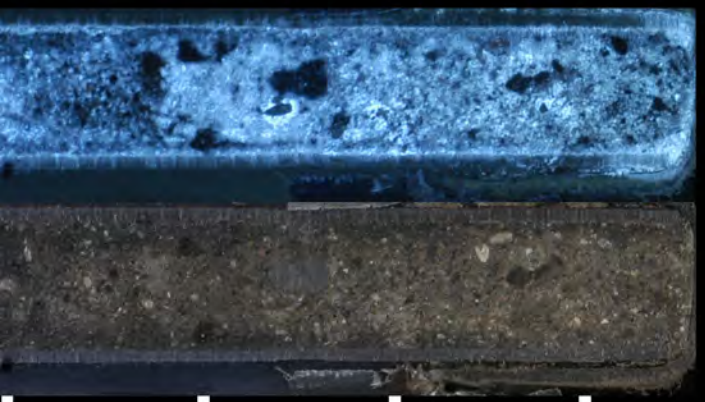
Project: MLC-Willow Run Boring ID: LIF-055 (9'-14')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-055 (9'-14')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



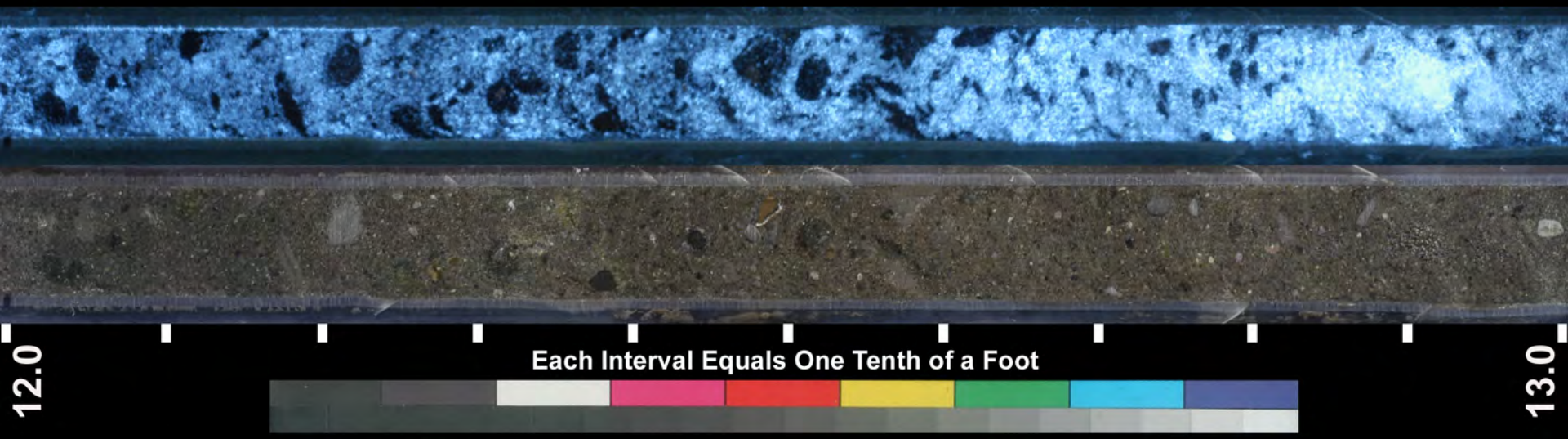
11.0

Each Interval Equals One Tenth of a Foot

12.0

Project: MLC-Willow Run Boring ID: LIF-055 (9'-14')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-055 (9'-14')
Project No.: 17358-T01

PTS Laboratories
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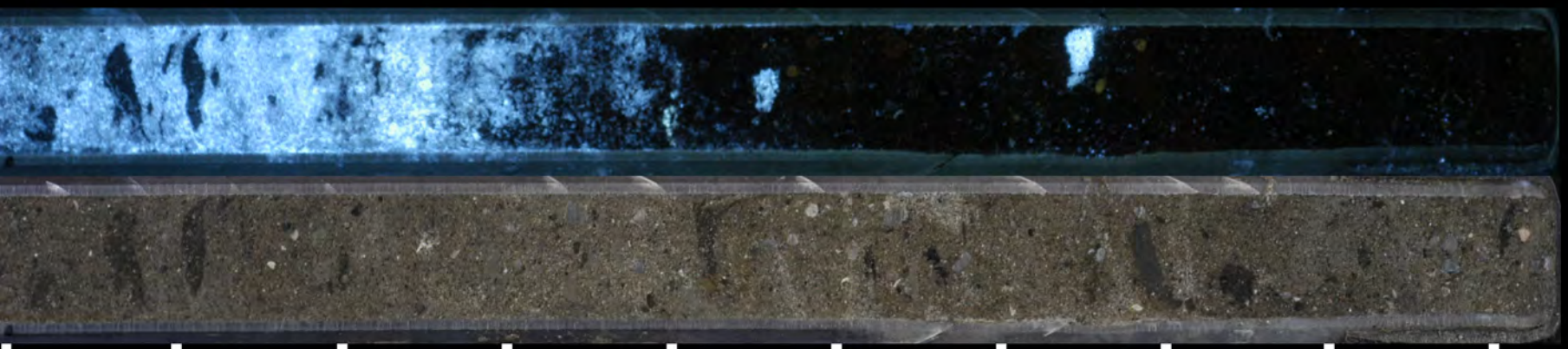


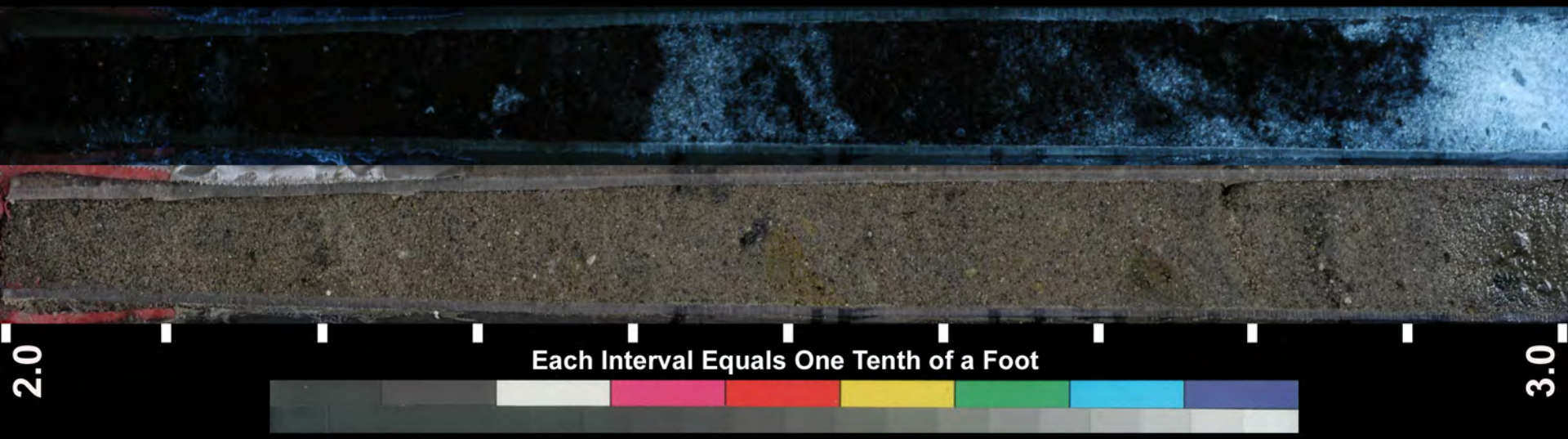
13.0

Each Interval Equals One Tenth of a Foot

14.0

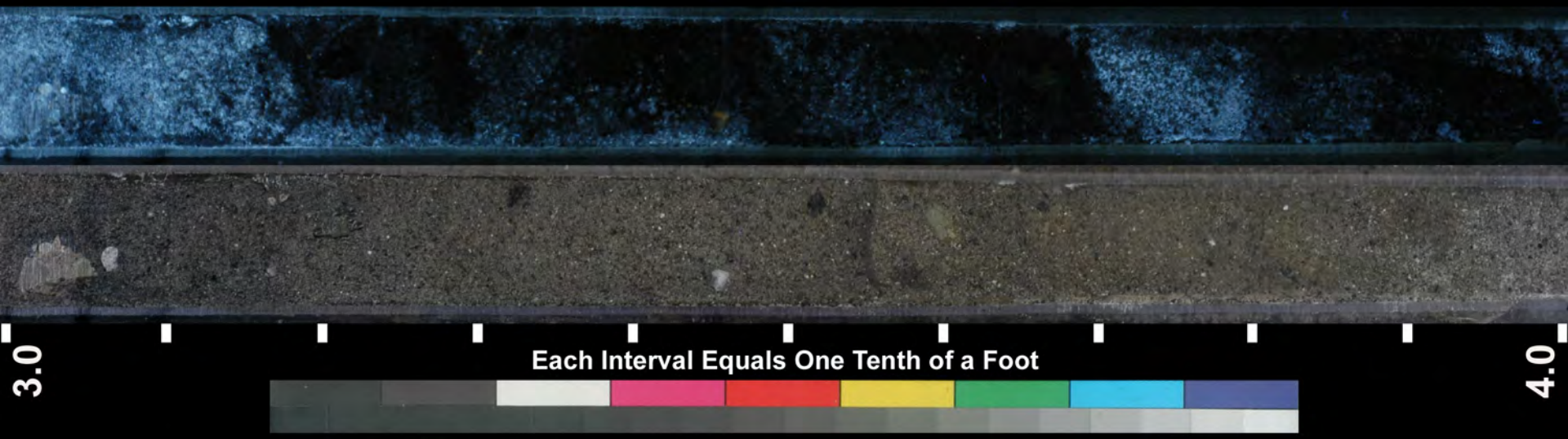
Project: MLC-Willow Run Boring ID: LIF-055 (9'-14')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-058 (2'-7')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-058 (2'-7')
Project No.: 17358-T01

PTS Laboratories
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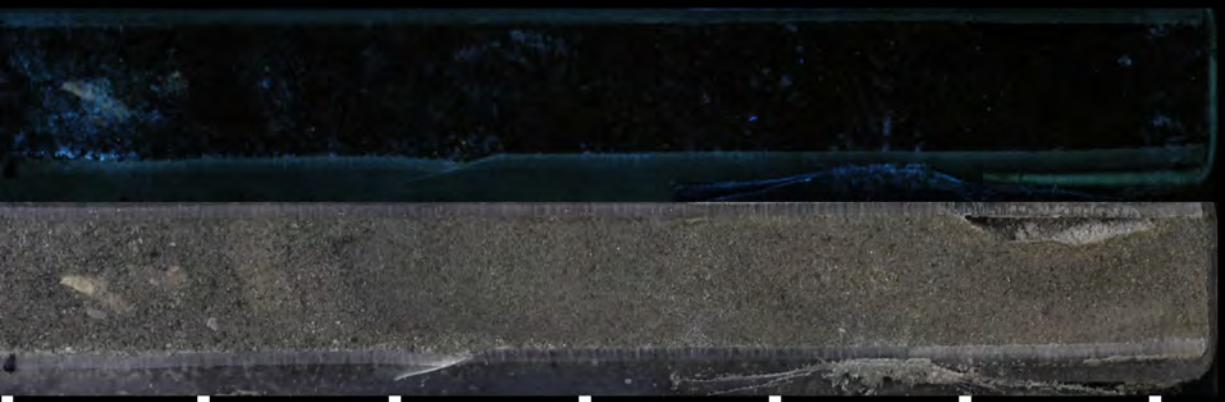


4.0 5.0

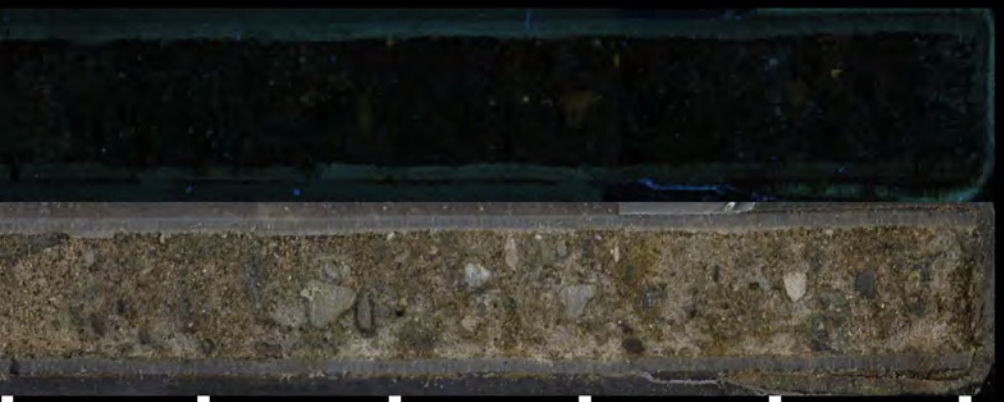
Each Interval Equals One Tenth of a Foot

Project: MLC-Willow Run Boring ID: LIF-058 (2'-7')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

Project: MLC-Willow Run Boring ID: LIF-060 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



6.0 7.0

Each Interval Equals One Tenth of a Foot

Project: MLC-Willow Run Boring ID: LIF-060 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

Project: MLC-Willow Run Boring ID: LIF-060 (5'-10')
Project No.: 17358-T01

PTS Laboratories
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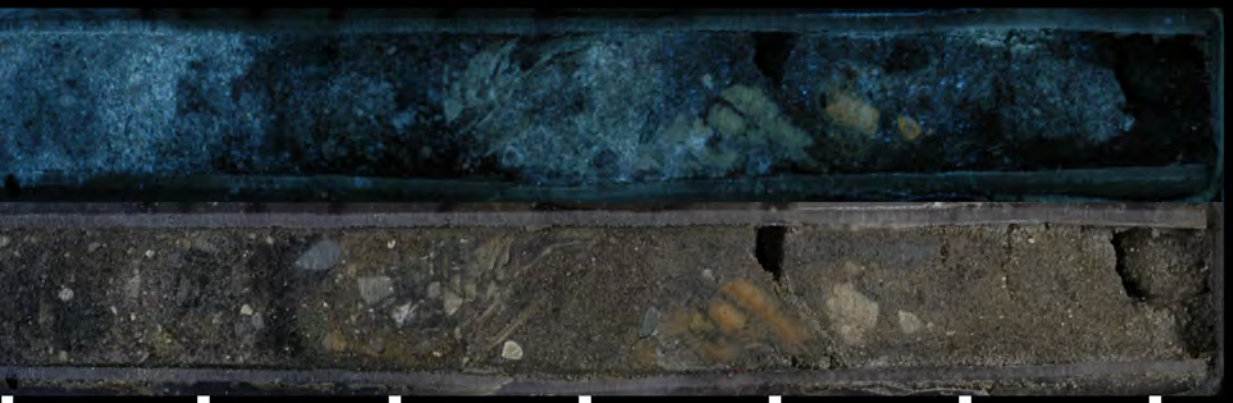


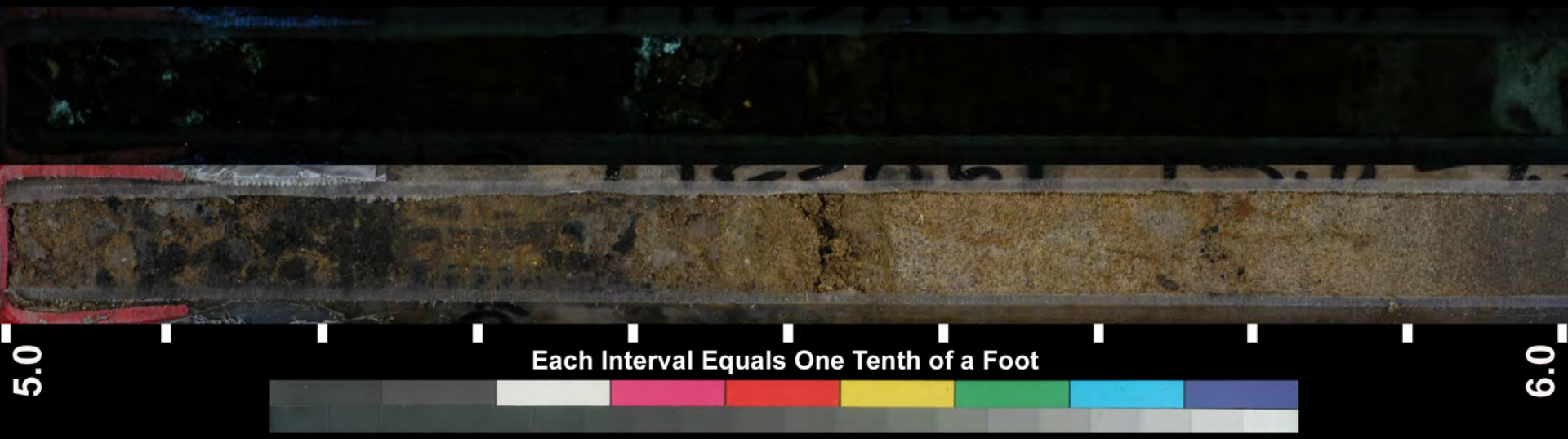
8.0

Each Interval Equals One Tenth of a Foot

9.0

Project: MLC-Willow Run Boring ID: LIF-060 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

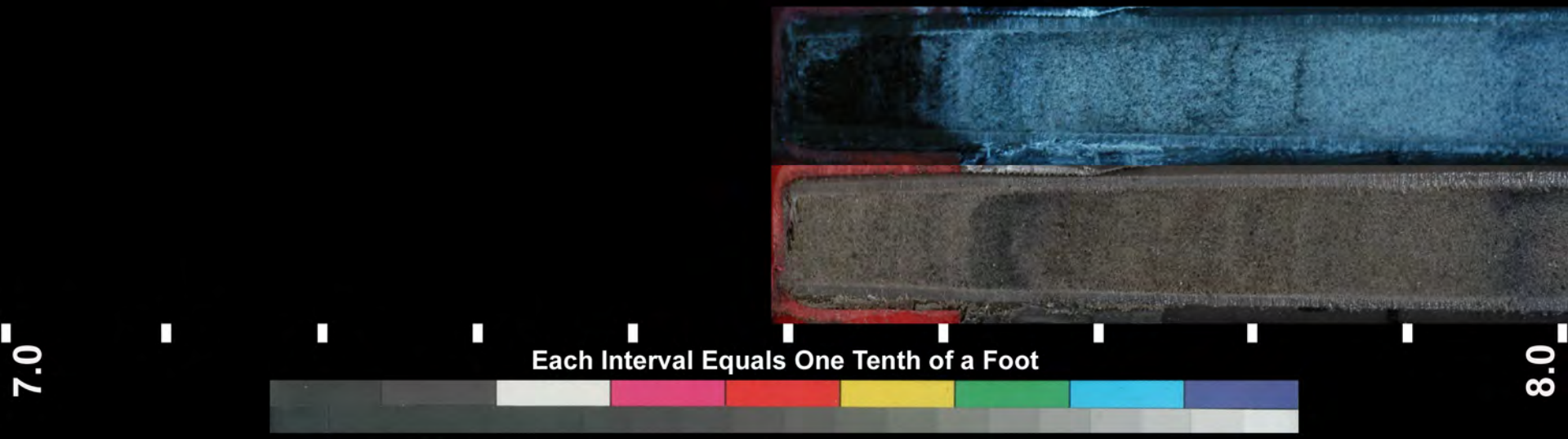


Project: MLC-Willow Run Boring ID: LIF-061 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

Project: MLC-Willow Run Boring ID: LIF-061 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



Project: MLC-Willow Run Boring ID: LIF-061 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

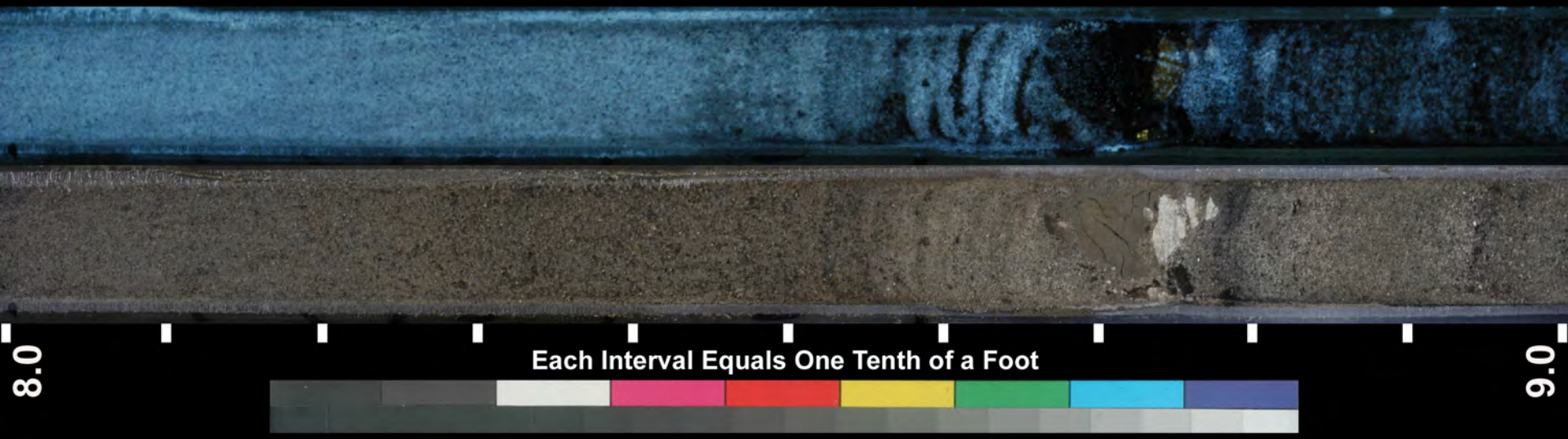
7.0

Each Interval Equals One Tenth of a Foot

8.0

Project: MLC-Willow Run Boring ID: LIF-061 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772



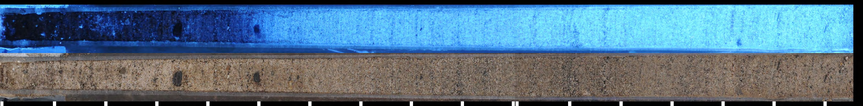
Project: MLC-Willow Run Boring ID: LIF-061 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 40772

9.0 Each Interval Equals One Tenth of a Foot 10.0

Project: MLC-Willow Run Boring ID: LIF-061 (5'-10')
Project No.: 17358-T01

PTS Laboratories
PTS File No.: 41888



6.0 Each Interval Equals One Tenth of a Foot 7.0

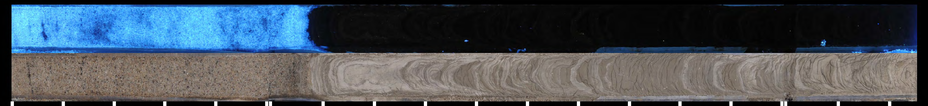
Project: Willow Run Boring ID: LIF-103
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

7.0 Each Interval Equals One Tenth of a Foot 8.0

Project: Willow Run Boring ID: LIF-103
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888



8.0 Each Interval Equals One Tenth of a Foot 9.0

Project: Willow Run Boring ID: LIF-103
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

9.0 Each Interval Equals One Tenth of a Foot 10.0

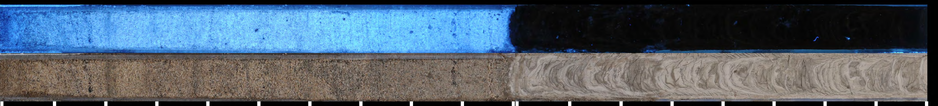
Project: Willow Run Boring ID: LIF-103
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

10.0 Each Interval Equals One Tenth of a Foot 11.0

Project: Willow Run Boring ID: LIF-103
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888



7.0 8.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-105
Project No.: 017358-T01-01

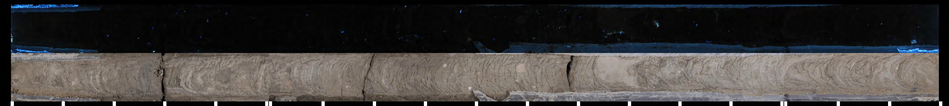
PTS Laboratories
PTS File No.: 41888

8.0 9.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-105
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888



9.0 10.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-105
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

10.0 11.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-105
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

11.0 12.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-105
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

7.0 8.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-113
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

8.0 9.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-113
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

9.0 10.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-113
Project No.: 017358-T01-01

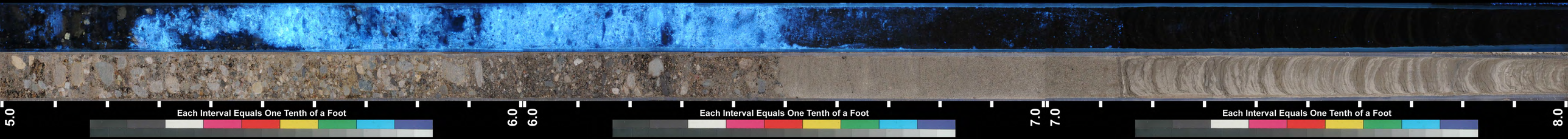
PTS Laboratories
PTS File No.: 41888

10.0 11.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-113
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888



Project: Willow Run Boring ID: LIF-124

Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

Project: Willow Run Boring ID: LIF-124

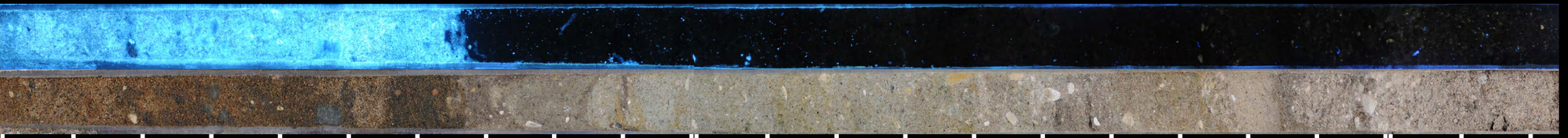
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

Project: Willow Run Boring ID: LIF-124

Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888



2.0 Each Interval Equals One Tenth of a Foot 3.0

Project: Willow Run Boring ID: LIF-153

Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

3.0 Each Interval Equals One Tenth of a Foot 4.0

Project: Willow Run Boring ID: LIF-153

Project No.: 017358-T01-01

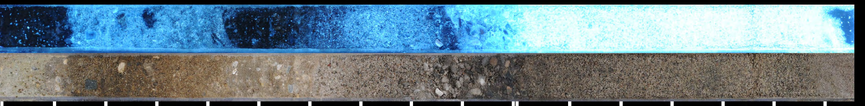
PTS Laboratories
PTS File No.: 41888

4.0 Each Interval Equals One Tenth of a Foot 5.0

Project: Willow Run Boring ID: LIF-153

Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888



7.0 8.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-153
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

8.0 9.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-153
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

9.0 10.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-153
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

10.0 11.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-153
Project No.: 017358-T01-01

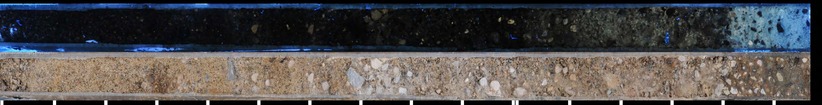
PTS Laboratories
PTS File No.: 41888

11.0 12.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-153
Project No.: 017358-T01-01

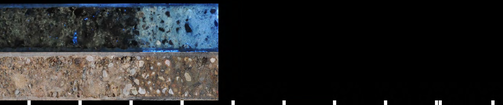
PTS Laboratories
PTS File No.: 41888



6.0 Each Interval Equals One Tenth of a Foot 7.0

Project: Willow Run Boring ID: LIF-159
Project No.: 017358-T01-01

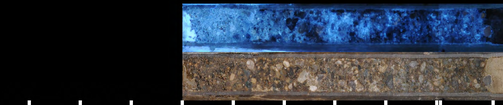
PTS Laboratories
PTS File No.: 41888



7.0 Each Interval Equals One Tenth of a Foot 8.0

Project: Willow Run Boring ID: LIF-159
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888



8.0 Each Interval Equals One Tenth of a Foot 9.0

Project: Willow Run Boring ID: LIF-159
Project No.: 017358-T01-01

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9.0 Each Interval Equals One Tenth of a Foot 10.0

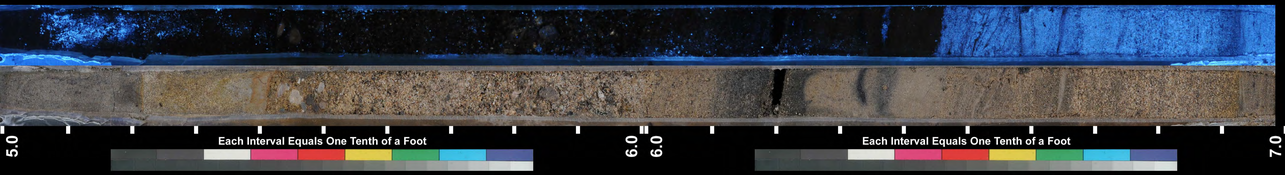
Project: Willow Run Boring ID: LIF-159
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

10.0 Each Interval Equals One Tenth of a Foot 11.0

Project: Willow Run Boring ID: LIF-159
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

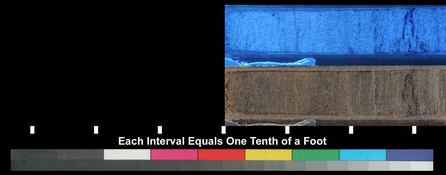


Project: Willow Run Boring ID: LIF-173
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

Project: Willow Run Boring ID: LIF-173
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

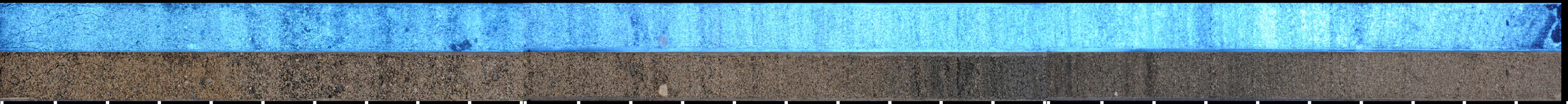


Project: Willow Run Boring ID: LIF-173
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

Project: Willow Run Boring ID: LIF-173
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888



Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-182

Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-182

Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-182

Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

Project: Willow Run Boring ID: LIF-206
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

Project: Willow Run Boring ID: LIF-206
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

Project: Willow Run Boring ID: LIF-206
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

Project: Willow Run Boring ID: LIF-206
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

Project: Willow Run Boring ID: LIF-206
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

6.0 7.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-206
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

7.0 8.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-206
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

8.0 9.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-206
Project No.: 017358-T01-01

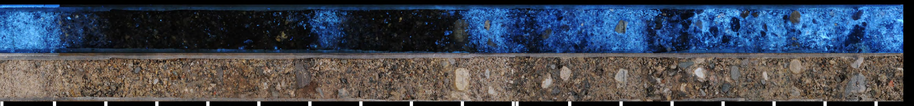
PTS Laboratories
PTS File No.: 41888

9.0 10.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-206
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888



6.0 7.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-209
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

7.0 8.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-209
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

8.0 9.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-209
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PTS Laboratories
PTS File No.: 41888

9.0 10.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-209
Project No.: 017358-T01-01

PTS Laboratories
PTS File No.: 41888

10.0 11.0

Each Interval Equals One Tenth of a Foot

Project: Willow Run Boring ID: LIF-209
Project No.: 017358-T01-01

Appendix H

Laboratory Test Results

PTS File No: 40772
Client: Conestoga-Rovers & Associates

PHYSICAL PROPERTIES DATA - PORE FLUID SATURATIONS

PROJECT NAME: MLC-Willow Run
PROJECT NO: 17358-T01

		METHODS:	API RP 40 / ASTM D2216	API RP 40		API RP 40		API RP 40	
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	MOISTURE CONTENT, % weight	DENSITY BULK, g/cc	DENSITY GRAIN, g/cc	POROSITY, %Vb (2) TOTAL	POROSITY, %Vb (2) AIR FILLED	PORE FLUID SATURATIONS, % Pv (3) WATER	PORE FLUID SATURATIONS, % Pv (3) NAPL
LIF-040 (5'-10')	6.7	V	14.7	1.63	2.66	38.5	13.6	47.3	17.3
LIF-037 (5'-10')	7.9	V	16.3	1.67	2.67	37.4	9.5	64.5	10.1
LIF-058 (2'-7')	2.9	V	17.0	1.55	2.65	41.5	14.7	57.9	6.7
LIF-009 (5'-10')	6.65	V	19.6	1.62	2.67	39.4	7.3	74.9	6.5
LIF-061 (5'-10')	8.3	V	14.0	1.65	2.66	37.9	11.7	10.6	58.6
LIF-025 (5'-10')	5.9	V	19.9	1.52	2.68	43.3	9.7	21.5	56.1
LIF-021 (7'-12')	8.3	V	14.5	1.57	2.68	41.3	17.1	33.0	25.7
LIF-055 (9'-14')	10.7	V	16.0	1.67	2.69	37.9	10.8	63.8	7.8
ARC-128 (5'-10')	8.8	V	16.7	1.64	2.66	38.4	10.4	61.4	11.6
ARC-65 (5'-10')	8.6	V	15.2	1.70	2.68	36.5	10.1	61.8	10.6

(1) Sample Orientation: H = horizontal; V = vertical
(2) Total Porosity = all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids
(3) Water = 0.9996 g/cc, Hydrocarbon = 0.8600 g/cc
Vb = Bulk Volume, cc; Pv = Pore Volume, cc; ND = Not Detected

PTS File No: 41888
Client: Conestoga-Rovers & Associates

PHYSICAL PROPERTIES DATA - PORE FLUID SATURATIONS

PROJECT NAME: Willow Run
PROJECT NO: 017358-T01-01

		METHODS:	API RP 40 / ASTM D2216	API RP 40		API RP 40		API RP 40	
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	MOISTURE CONTENT, % weight	DENSITY BULK, g/cc	DENSITY GRAIN, g/cc	POROSITY, %Vb (2) TOTAL	POROSITY, %Vb (2) AIR FILLED	PORE FLUID SATURATIONS, % Pv (3) WATER	PORE FLUID SATURATIONS, % Pv (3) NAPL
LIF-153	2.6	H	12.5	1.75	2.65	34.1	10.6	35.0	34.0
LIF-206	7.55	H	4.6	2.00	2.66	24.6	14.8	27.8	11.9

(1) Sample Orientation: H = horizontal; V = vertical
(2) Total Porosity = all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids
(3) Water = 0.9996 g/cc, Hydrocarbon = 0.8600 g/cc
Vb = Bulk Volume, cc; Pv = Pore Volume, cc; ND = Not Detected

PTS File No: 40772
Client: Conestoga-Rovers & Associates

REPORT REVISED 20110630

PTS Laboratories

ENDPOINT SATURATION WATER DRIVE TEST: INITIAL AND RESIDUAL SATURATIONS

PROJECT NAME: MLC-Willow Run
PROJECT NO: 17358-T01

		METHODS:	API RP 40		API RP 40	ASTM D425M, DEAN-STARK			
						PORE FLUID SATURATIONS, % Pv			
		SAMPLE	DENSITY		TOTAL	Initial Fluid Saturations		After Waterflood Test	
SAMPLE ID.	DEPTH, ft.	ORIENTATION (1)	BULK, g/cc	GRAIN, g/cc	POROSITY, %Vb	WATER (Swi) SATURATION	NAPL (Soi) SATURATION	WATER (Srw) SATURATION	NAPL (Sor) SATURATION
LIF-040 (5'-10')	6.5	V	1.70	2.68	36.7	32.2	33.7	53.5	33.7
	NOTE:	**No visible LNAPL produced; 13.4 pore volumes of water injected. Produced water clear with faint hydrocarbon odor.**							
LIF-037 (5'-10')	6.7	V	1.61	2.70	40.3	48.9	13.6	54.1	13.6
	NOTE:	**No visible LNAPL produced; 10.9 pore volumes of water injected. Produced water clear with faint hydrocarbon odor.**							
LIF-034 (5'-10')	8.15	V	1.65	2.70	38.9	73.1	10.8	80.5	10.8
	NOTE:	**No visible LNAPL produced; 11.8 pore volumes of water injected. Produced water clear with faint hydrocarbon odor.**							
LIF-058 (2'-7')	3.1	V	1.60	2.68	40.1	65.5	12.8	65.5	12.8
	NOTE:	**No visible LNAPL produced; 10.8 pore volumes of water injected. Produced water cloudy with faint hydrocarbon odor. Sample compressed slightly from confining pressure.**							
LIF-009 (5'-10')	5.6	V	1.67	2.66	37.2	48.3	48.6	57.0	37.6
	NOTE:	**Cloudy light brown LNAPL produced; 99.2 pore volumes of water injected. Produced water clear with faint hydrocarbon odor.**							
LIF-029 (5'-8')	6.3	V	1.61	2.63	38.9	38.7	25.0	66.4	25.0
	NOTE:	**No visible LNAPL produced; 15.7 pore volumes of water injected. Produced water clear with faint hydrocarbon odor.**							
LIF-060 (5'-10')	8.0	V	1.83	2.63	30.3	80.0	11.7	82.4	11.7
	NOTE:	**No visible LNAPL produced; 13.9 pore volumes of water injected. Produced water yellow tint with moderate hydrocarbon odor.**							

Water drives conducted at 25 psi confining pressure and 70°F. Laboratory fresh water (tap) used as injection fluid.
N/A = Not Analyzed. Vb = Bulk Volume, Pv = Pore Volume. (1) H = horizontal, V = vertical
Soi = Initial NAPL Saturation as received prior to water flooding, Swi = Initial Water Saturation as received prior to waterflooding
Sor = Residual NAPL Saturation after waterflooding, Srw = Residual Water Saturation after waterflooding
Water =0.9996 g/cc, NAPL = 0.8600 g/cc.

PTS File No: 40772
Client: Conestoga-Rovers & Associates

REPORT REVISED 20110630

PTS Laboratories

ENDPOINT SATURATION WATER DRIVE TEST: INITIAL AND RESIDUAL SATURATIONS

PROJECT NAME: MLC-Willow Run
PROJECT NO: 17358-T01

		METHODS:	API RP 40		API RP 40	ASTM D425M, DEAN-STARK			
						PORE FLUID SATURATIONS, % Pv			
		SAMPLE	DENSITY		TOTAL	Initial Fluid Saturations		After Waterflood Test	
SAMPLE ID.	DEPTH, ft.	ORIENTATION (1)	BULK, g/cc	GRAIN, g/cc	POROSITY, %Vb	WATER (Swi) SATURATION	NAPL (Soi) SATURATION	WATER (Srw) SATURATION	NAPL (Sor) SATURATION
LIF-061 (5'-10')	8.1	V	1.56	2.64	41.1	56.3	42.0	56.3	12.6
	NOTE:	**Light brown LNAPL produced; 47.0 pore volumes of water injected. Produced water clear with faint hydrocarbon odor. Sample compressed slightly from confining pressure.**							
LIF-025 (5'-10')	6.4	V	1.72	2.71	36.5	11.6	16.1	21.1	16.1
	NOTE:	**No visible LNAPL produced; 12.5 pore volumes of water injected. Produced water clear with faint hydrocarbon odor.**							
LIF-021 (7'-12')	9.15	V	1.64	2.66	38.2	49.3	31.0	58.3	31.0
	NOTE:	**No visible LNAPL produced; 11.8 pore volumes of water injected. Produced water clear with no hydrocarbon odor.**							
LIF-055 (4'-9')	7.2	V	1.89	2.70	30.0	78.1	15.3	78.1	15.3
	NOTE:	**No visible LNAPL produced; 0.8 pore volumes of water injected. Produced water clear with no hydrocarbon odor. Testing discontinued due to low permeability. Sample compressed slightly from confining pressure.**							
ARC-128 (5'-10')	8.2	V	1.67	2.65	37.1	52.9	24.2	53.9	24.2
	NOTE:	**No visible LNAPL produced; 13.1 pore volumes of water injected. Produced water clear with faint hydrocarbon odor.**							
ARC-65 (5'-10')	8.0	V	1.75	2.66	34.2	32.3	48.0	58.8	46.9
	NOTE:	**Dark brown LNAPL produced; 20.2 pore volumes of water injected. Produced water cloudy with no hydrocarbon odor.**							

Water drives conducted at 25 psi confining pressure and 70°F. Laboratory fresh water (tap) used as injection fluid.
N/A = Not Analyzed. Vb = Bulk Volume, Pv = Pore Volume. (1) H = horizontal, V = vertical
Soi = Initial NAPL Saturation as received prior to water flooding, Swi = Initial Water Saturation as received prior to waterflooding
Sor = Residual NAPL Saturation after waterflooding, Srw = Residual Water Saturation after waterflooding
Water =0.9996 g/cc, NAPL = 0.8600 g/cc.

PTS File No: 41888
Client: Conestoga-Rovers & Associates

PTS Laboratories

ENDPOINT SATURATION WATER DRIVE TEST: INITIAL AND RESIDUAL SATURATIONS

PROJECT NAME: Willow Run
PROJECT NO: 017358-T01-01

		METHODS:	API RP 40		API RP 40	API RP 40, DEAN-STARK			
						PORE FLUID SATURATIONS, % Pv			
		SAMPLE	DENSITY		TOTAL	Initial Fluid Saturations		After Waterflood Test	
SAMPLE ID.	DEPTH, ft.	ORIENTATION (1)	BULK, g/cc	GRAIN, g/cc	POROSITY, %Vb	WATER (Swi) SATURATION	NAPL (Soi) SATURATION	WATER (Srw) SATURATION	NAPL (Sor) SATURATION
LIF-159	8.6	V	1.79	2.70	33.5	46.3	30.4	56.1	30.4
	NOTE:	**No visible NAPL produced; 13.7 pore volumes of water injected. Produced water clear with no hydrocarbon odor.**							
LIF-103	7.6	V	1.62	2.66	39.3	46.0	22.5	64.6	22.5
	NOTE:	**No visible NAPL produced; 12.3 pore volumes of water injected. Produced water clear with no hydrocarbon odor.**							
LIF-105	7.8	V	1.68	2.67	37.0	47.8	32.6	58.3	32.6
	NOTE:	**No visible NAPL produced; 14.5 pore volumes of water injected. Produced water clear with faint hydrocarbon odor.**							
LIF-124	6.1	V	1.94	2.69	27.9	49.5	15.8	62.5	15.8
	NOTE:	**No visible NAPL produced; 15.6 pore volumes of water injected. Produced water clear with no hydrocarbon odor.**							
LIF-153	8.35	V	1.68	2.68	37.5	36.6	54.2	58.6	35.6
	NOTE:	**Brown NAPL produced; 17.5 pore volumes of water injected. Produced water clear with faint hydrocarbon odor.**							
LIF-113	7.95	V	1.64	2.68	38.6	47.7	42.8	60.4	26.5
	NOTE:	**Brown NAPL produced, emulsion formed; 16.2 pore volumes of water injected. Produced water clear with faint hydrocarbon odor.**							
ARC-244	7.4	V	1.64	2.69	39.0	35.4	9.0	62.8	9.0
	NOTE:	**No visible NAPL produced; 11.9 pore volumes of water injected. Produced water clear with no hydrocarbon odor.**							
LIF-182	7.4	V	1.62	2.68	39.7	56.7	13.4	71.8	13.4
	NOTE:	**No visible NAPL produced; 12.6 pore volumes of water injected. Produced water clear with no hydrocarbon odor.**							

Water drives conducted at 25 psi confining pressure and 70°F. Laboratory fresh water (tap) used as injection fluid.
N/A = Not Analyzed. Vb = Bulk Volume, Pv = Pore Volume. (1) H = horizontal, V = vertical
Soi = Initial NAPL Saturation as received prior to water flooding, Swi = Initial Water Saturation as received prior to waterflooding
Sor = Residual NAPL Saturation after waterflooding, Srw = Residual Water Saturation after waterflooding
Water =0.9996 g/cc, NAPL = 0.8600 g/cc.

PTS File No: 41888
Client: Conestoga-Rovers & Associates

PTS Laboratories

ENDPOINT SATURATION WATER DRIVE TEST: INITIAL AND RESIDUAL SATURATIONS

PROJECT NAME: Willow Run
PROJECT NO: 017358-T01-01

		METHODS:	API RP 40		API RP 40	API RP 40, DEAN-STARK			
						PORE FLUID SATURATIONS, % Pv			
		SAMPLE	DENSITY		TOTAL	Initial Fluid Saturations		After Waterflood Test	
SAMPLE ID.	DEPTH, ft.	ORIENTATION (1)	BULK, g/cc	GRAIN, g/cc	POROSITY, %Vb	WATER (Swi) SATURATION	NAPL (Soi) SATURATION	WATER (Srw) SATURATION	NAPL (Sor) SATURATION
LIF-173	7.6	V	1.45	2.69	46.3	40.9	53.7	46.8	26.4
	NOTE:	**Brown NAPL produced; 12.9 pore volumes of water injected. Produced water clear with no hydrocarbon odor.**							
ARC-258	8.6	V	1.51	2.68	43.8	49.2	13.7	61.7	13.7
	NOTE:	**No visible NAPL produced; 9.8 pore volumes of water injected. Produced water clear with no hydrocarbon odor.**							
ARC-193	8.3	V	1.62	2.68	39.7	56.3	21.0	64.0	21.0
	NOTE:	**No visible NAPL produced; 11.2 pore volumes of water injected. Produced water clear with faint hydrocarbon odor.**							
LIF-209	7.6	V	1.83	2.74	33.1	11.1	4.3	46.9	4.3
	NOTE:	**No visible NAPL produced; 14.2 pore volumes of water injected. Produced water clear with no hydrocarbon odor.**							
LIF-206	9.35	V	1.77	2.66	33.5	40.8	23.0	51.2	23.0
	NOTE:	**No visible NAPL produced; 12.4 pore volumes of water injected. Produced water clear with no hydrocarbon odor.**							
ARC-025	7.0	V	1.75	2.70	35.4	31.9	38.9	45.5	30.9
	NOTE:	**Brown NAPL produced; 17.7 pore volumes of water injected. Produced water clear with no hydrocarbon odor.**							
ARC-011	4.35	V	1.69	2.70	37.4	47.1	12.5	57.0	12.5
	NOTE:	**No visible NAPL produced; 12.0 pore volumes of water injected. Produced water clear with no hydrocarbon odor.**							

Water drives conducted at 25 psi confining pressure and 70°F. Laboratory fresh water (tap) used as injection fluid.
N/A = Not Analyzed. Vb = Bulk Volume, Pv = Pore Volume. (1) H = horizontal, V = vertical
Soi = Initial NAPL Saturation as received prior to water flooding, Swi = Initial Water Saturation as received prior to waterflooding
Sor = Residual NAPL Saturation after waterflooding, Srw = Residual Water Saturation after waterflooding
Water =0.9996 g/cc, NAPL = 0.8600 g/cc.