MV Geophysical

CEMENT TOP LOG
HIGH RESOLUTION
TEMPERATURE
GAMMA RAY

Company Rowe Drilling Company
Well MW-2
Field Vero Beach
County Indian River
State . Florida
Country

Company	Rowe Drilling Company
Well	MW-2
Field	Vero Beach
County	Indian River
State	. Florida
Country	

Location: API # :

INEOS BIO Facility
925 74th Avenue SW, Vero Beach, FL 32968
CH2M HILL, Inc.
SEC TWP RGE

Other Services: NONE

		Elevation
Permanent Datum	G.L.	
Log Measured From	G.L.	
Drilling Measured From	G.L.	

Elevation
K.B.
D.F.
G.L.

Date	25-APR-2012	26-APR-2012	1-MAY-2012
Run Number	FOUR-A	FOUR-B	FOUR-E
Depth Driller	1395'	19:00 4/26/2012	19:00 5/1/2012
Depth Logger	1387'	126 degF	126 degF
Bottom Logged Interval	1387' CMT PLG	1166'	705'
Top Log Interval	SURFACE		
Open Hole Size	23"	27-APR-2012	
Type Fluid	H2O	FOUR-C	
Density / Viscosity	NA/NA	20:00 4/27/2012	
Max. Recorded Temp.	114 degF	123 degF	
Estimated Cement Top	1355'	1029'	
Time Well Ready	21:00 4/25/2012		
Time Logger on Bottom	21:30 4/25/2012	30-APR-2012	
Equipment Number	MVGS-1	FOUR-D	
Location	Ft. Myers	20:00 4/30/2012	
Recorded By	S.Miller/C.Miller	120 degF	
Witnessed By	B.Schmidt (RDC)	845'	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	29"	140'	507'				
TWO	23"	502'	1395'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	30"	0.375" WT	SURFACE	140'
Prot. String	24"	0.375" WT	SURFACE	502'
Production String	16"	0.500" WT	SURFACE	1390'
Liner				
Invoice No.	2012075-078	5x/pdf/las	RFTDRM12.db	* FIELD PRINT *

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

CEMENNT TOP LOG

STAGE	TOP	TAG
1	1355'	1384'
2	1166'	1196'
3	1029'	1031'
4	845'	830'
5	705'	xxx'

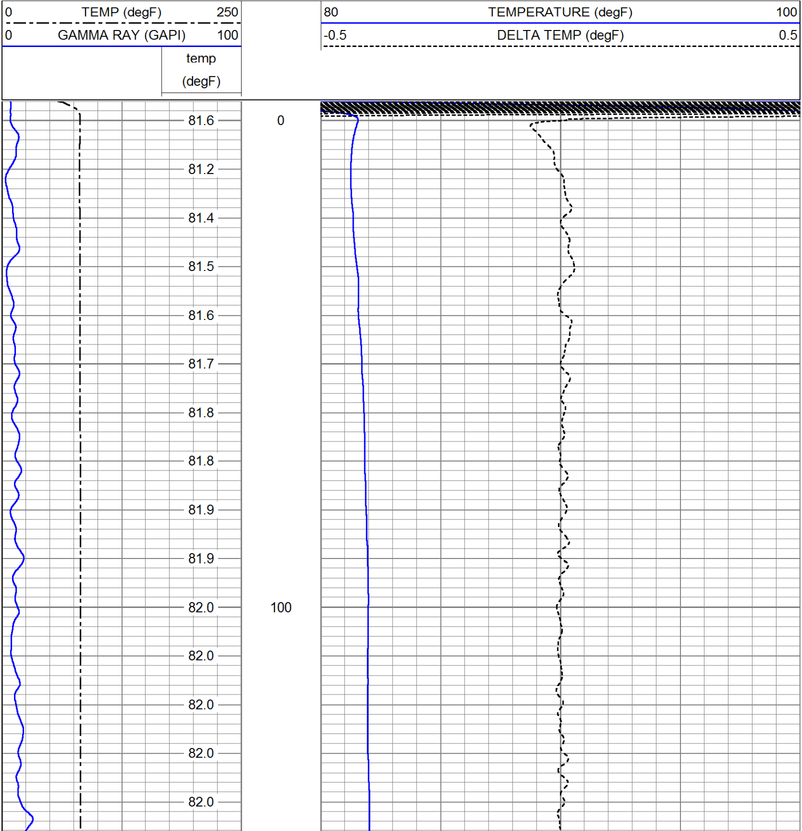
TEMPERATURE CALIBRATION REPORT (Performed: 19-APR-11 09:15)

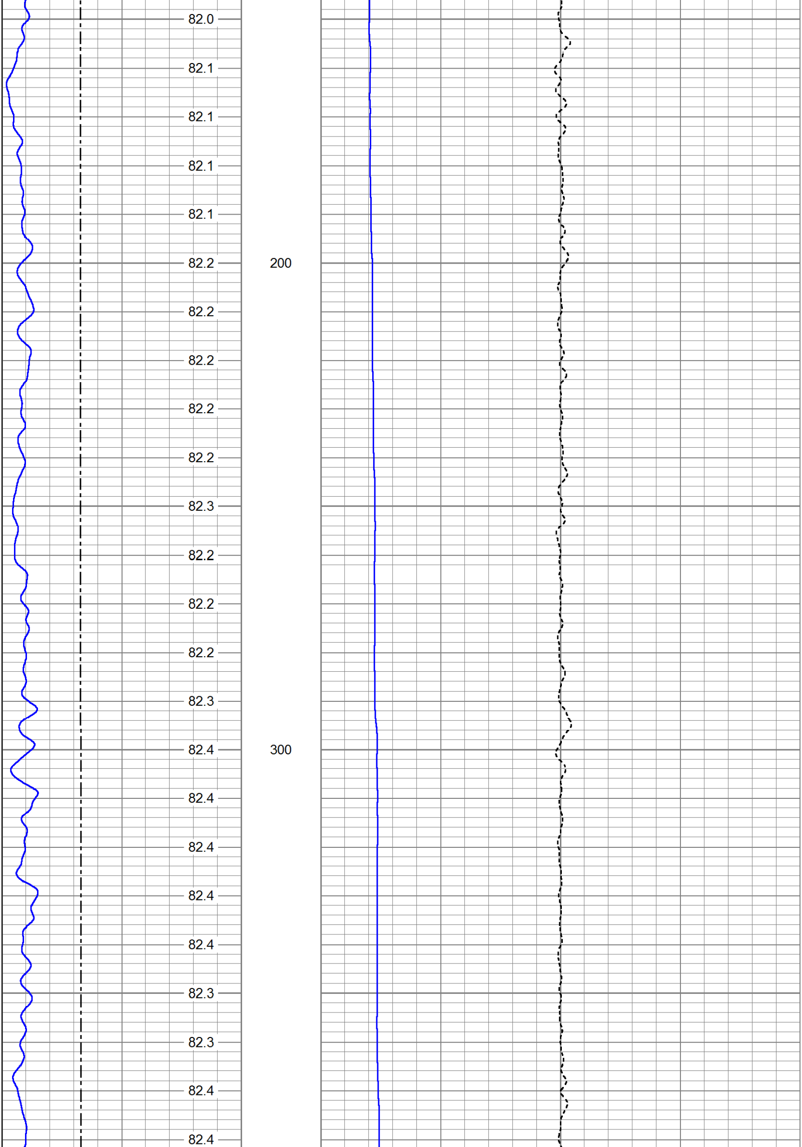
DEG-F	CPS
38.5	147.851
148.8	2690.21

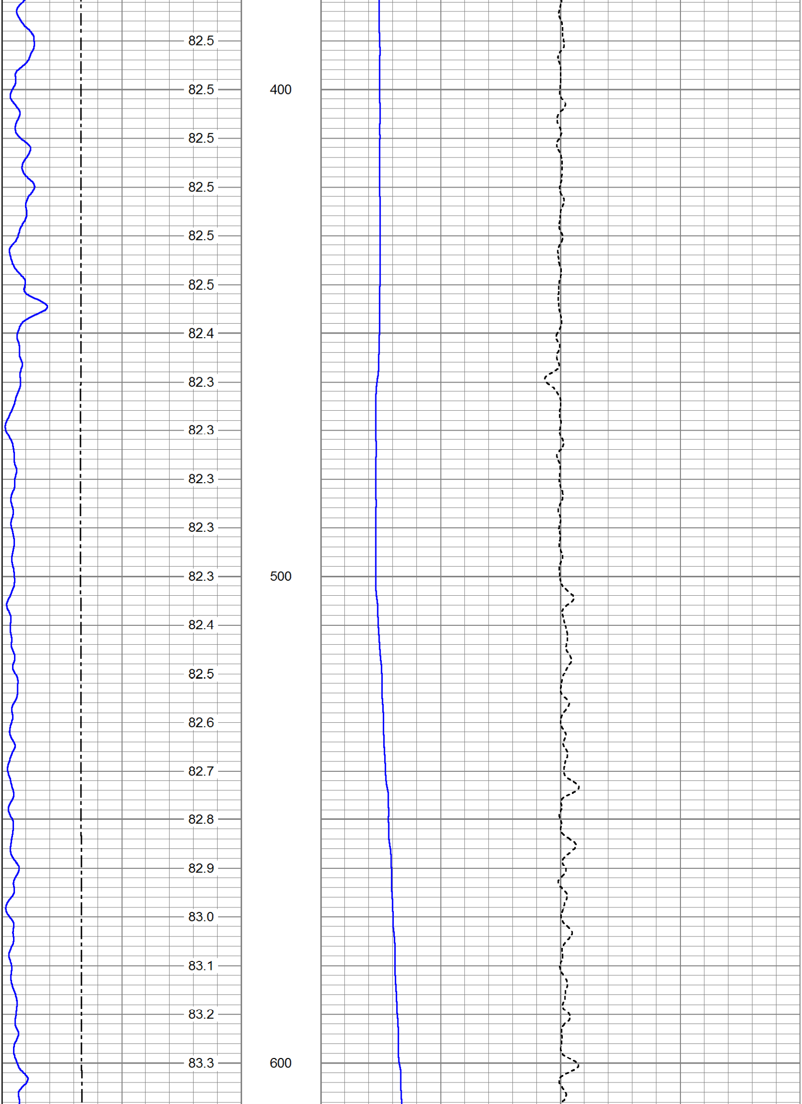
MV
Geophysical

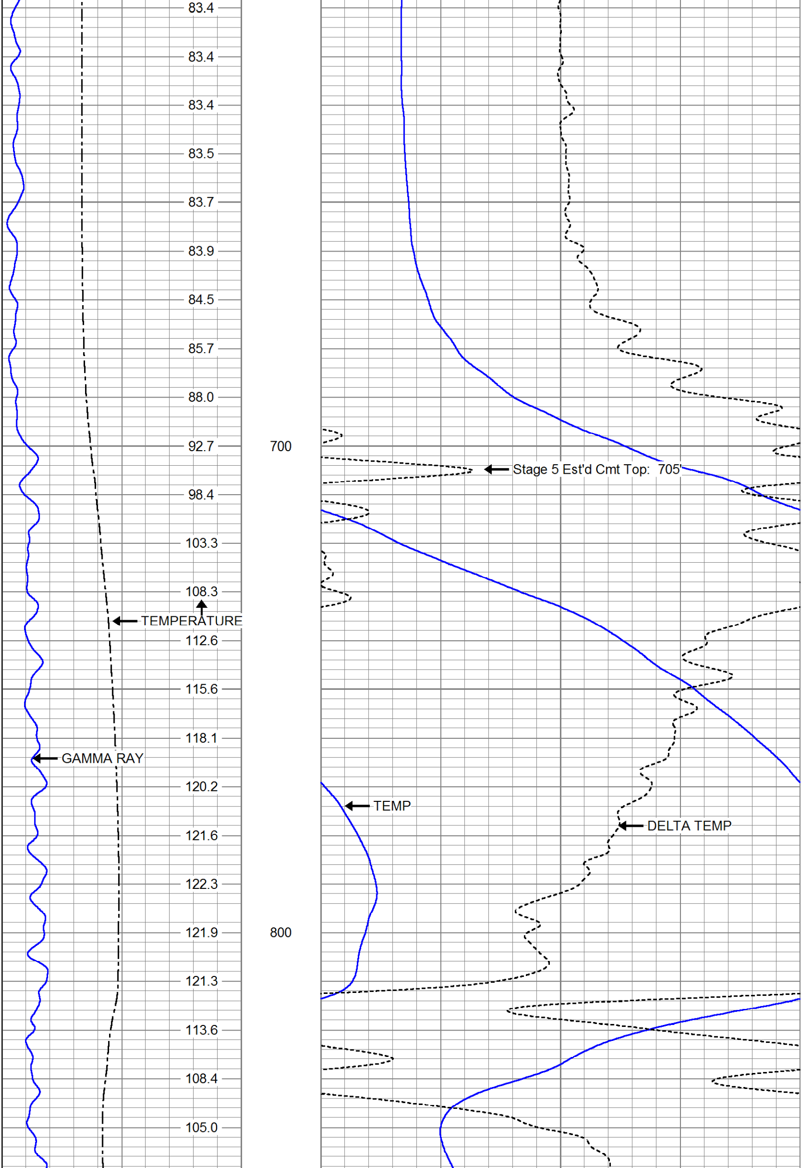
Stage 5 Est'd Cmt Top: 705'

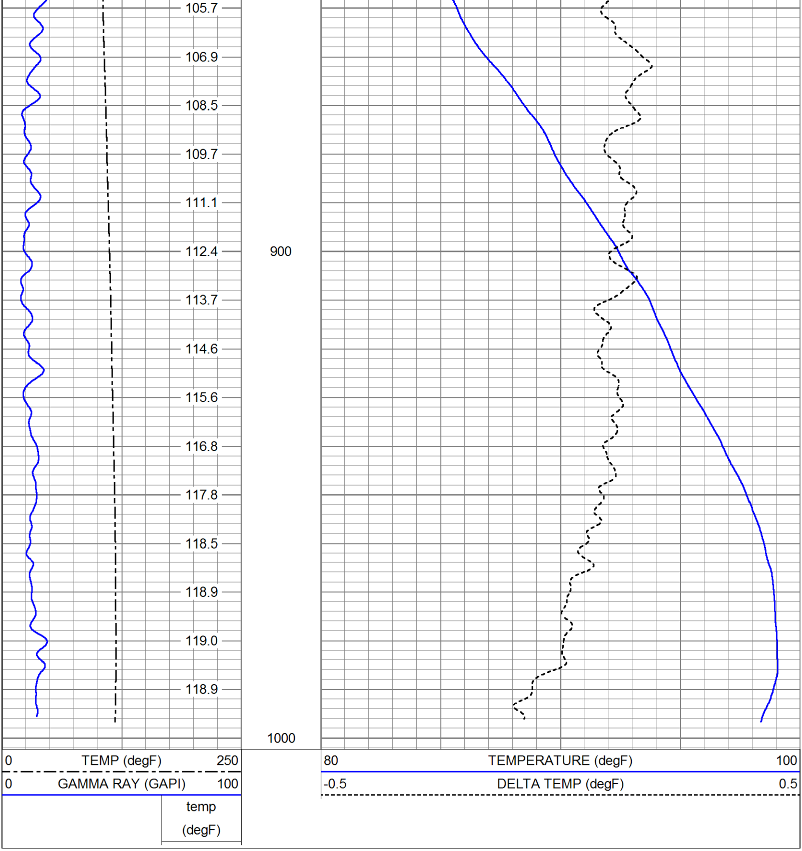
Database File:	rvbamec1.db
Dataset Pathname:	run3/pass5
Presentation Format:	ctlcc-1
Dataset Creation:	Tue May 01 19:11:27 2012 by Log VER_5.3
Charted by:	Depth in Feet scaled 1:240











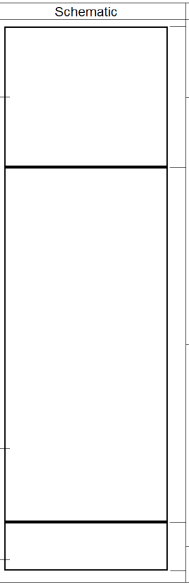
Calibration Report

Database File: rvbamec1.db
Dataset Pathname: run3/pass1
Dataset Creation: Wed Apr 25 21:27:57 2012 by Log VER_5.3

Gamma Ray Calibration Report

Serial Number: MV01B
Tool Model: RTSB
Performed: Thu Feb 09 09:59:30 2012

Calibrator Value:	120	GAPI
Background Reading:	23.256	cps
Calibrator Reading:	156.149	cps
Sensitivity:	1.90298	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	4.46		CCL-MVGS 1.9 (MV01)	1.33	1.90	8.00
GR#2	1.15		GR #2 -RTSB (MV01B)	3.33	1.90	10.00
TEMP	0.10		TEMP-RTS (MV01)	0.46	1.90	2.00

Dataset:	rvbamec1.db: field/well/run3/pass1
Total Length:	5.12 ft
Total Weight:	20.00 lb
O.D.	1.90 in

X-Y CALIPER GAMMA RAY LOG

MV Geophysical

Company	Rowe Drilling Company
Well	MW-2
Field	Vero Beach
County	Indian River
State	Florida
Country	

Location: API # :

INEOS BIO Facility
925 74th Avenue SW, Vero Beach, FL 32968
CH2M HILL, Inc.

SEC TWP RGE

Permanent Datum	G.L.	Elevation
Log Measured From	G.L.	
Drilling Measured From	G.L.	

Company	Rowe Drilling Company	
Well	MW-2	
Field	Vero Beach	
County	Indian River	
State	Florida	Country

Date	20-APR-2012	
Run Number	THREE	
Depth Driller	1395'	
Depth Logger	1395'	
Bottom Logged Interval	1395'	
Top Log Interval	SURFACE	
Open Hole Size	23"	
Type Fluid	H2O	
Density / Viscosity	NA/NA	
Max. Recorded Temp.	NA	
Estimated Cement Top	SURFACE	
Time Well Ready	ROA 4/20/2012	
Time Logger on Bottom	21:00 4/20/2012	
Equipment Number	MVGS-1	
Location	Ft. Myers	
Recorded By	S.Miller/C.Miller	
Witnessed By	Manny (RDC)	Al (RDC)

Borehole Record				Tubing Record		
Run Number	Bit	From	To	Size	Weight	From
ONE	29"	140'	507'			

Casing Record	Size	Wgt/Ft	Top
Surface String	30"	0.375" WT	SURFACE
Prot. String			
Production String			
Liner			
Invoice No.	2012073	5x/pdf/las	RFTDRM12.db

*

FIELD PRINT *

Bottom
140'

To

K.B.
D.F.
G.L.

Elevation

Other Services
NONE

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Comments

MAXIMUM Caliper Arm Extensions: 51"

FUTURE CASING SIZE: 16"