

LOG BOOK 3

ABS LOGS



Rite in the Rain[®]

ALL-WEATHER

FIELD

Nº 353-MX

5/30/14

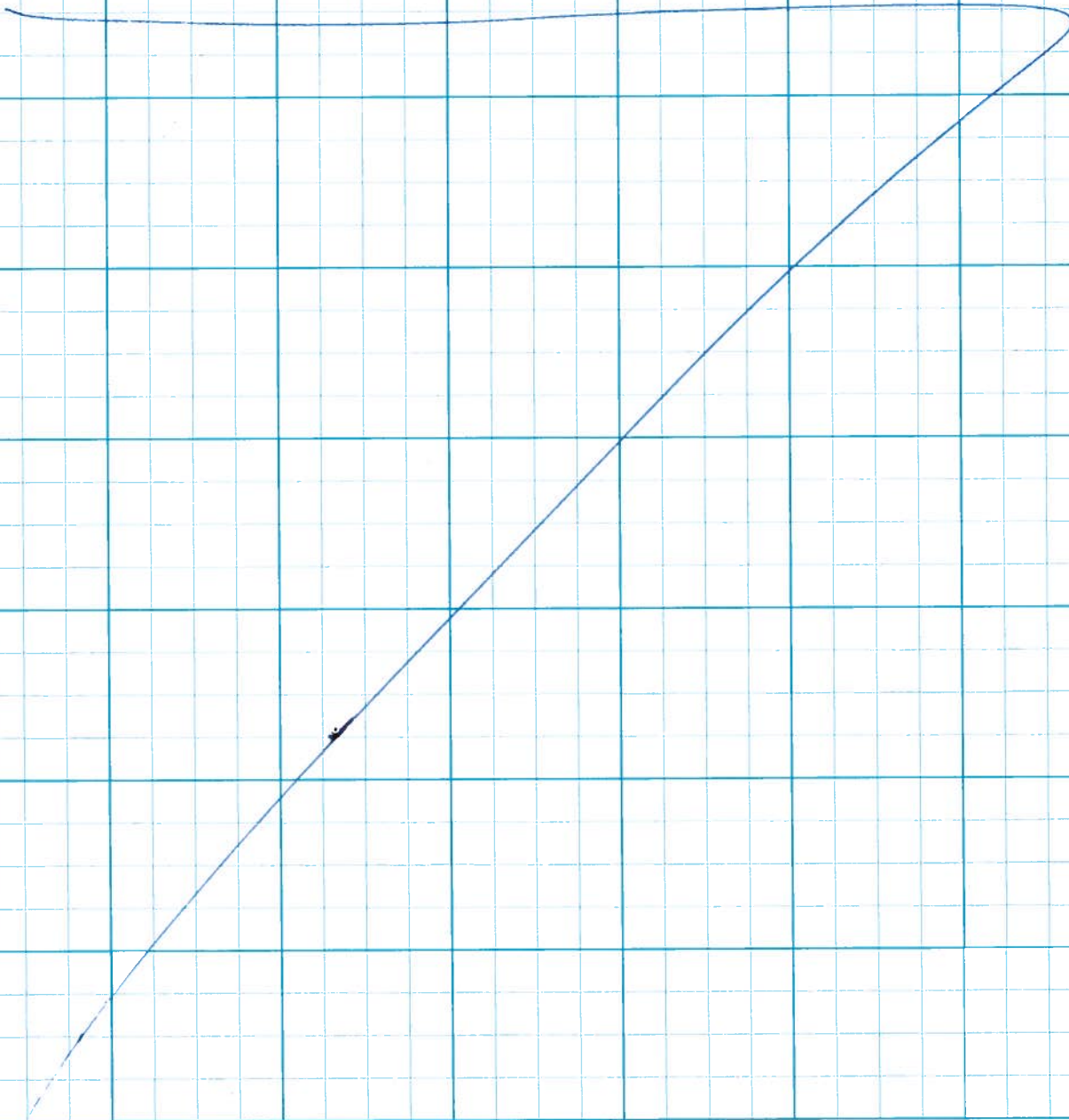
TEAM 1 EB, RF, KV, MS

ABS RESTING DURING SURFACE SOIL SAMPLING

LIGHT BASED
MID 70°s

0640 - TETRA TECH CALIBRATED AN AIR PUMP AT A FLOW RATE OF 4.0 LPM AND BEGAN A 4-HOUR SAMPLE TO MONITOR SURFACE SOIL SAMPLING AS AN ACTIVITY BASED SAMPLE. THE AIR SAMPLING PUMP WAS PLACED ON ED SURBRUGG.

1142 - TETRA TECH RETRIEVED AIR SAMPLE BL-ABS-00001.



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5/31/14

Sun w/ light breezes
70° to 90°

Team 1 ES, RE, KV

Team 2 LP, JH, SM, SH

ABS Testing during Soil Sampling

0620 Tetra Tech calibrated two Air pumps at 4.0 LPM in preparation for ABS sampling testing by each team.

0655 Each team began samples. Team 1 ^{ABS} ~~Soil~~ ^{LP} Sample was placed on Kyle Virva. Team 2 ABS Sample was placed on Jeremy Holst. ABS included all soil sampling activities.

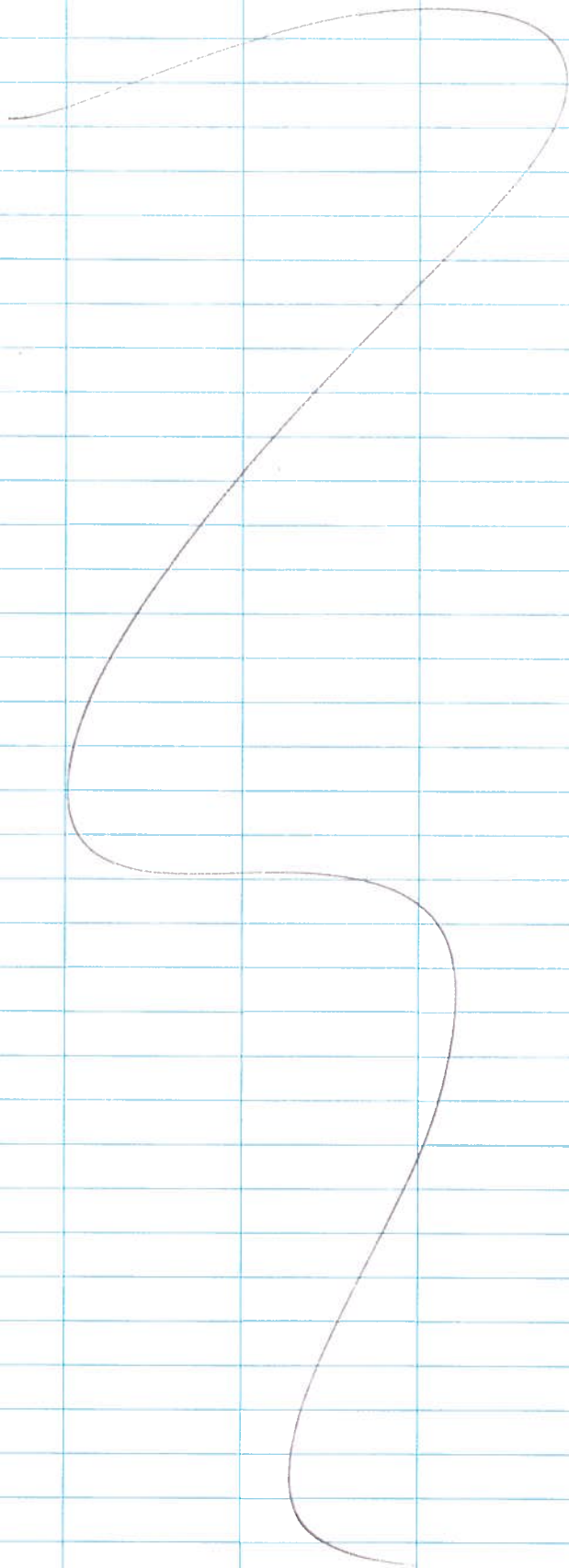
1055 Air samples calibrated check (4.0 LPM) and stopped.

Team 1 sample BC-ABS-0004

Team 2 sample BC-ABS-0005

~~BC-ABS-0006~~ FIELD BLANK BC-ABS-0006

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6/2/14

Sun with light breezes
Temps 70's to 90's

Team 2: SH, SM, JH - conducting surface soil sampling

ABS DURING SURFACE SOIL SAMPLING

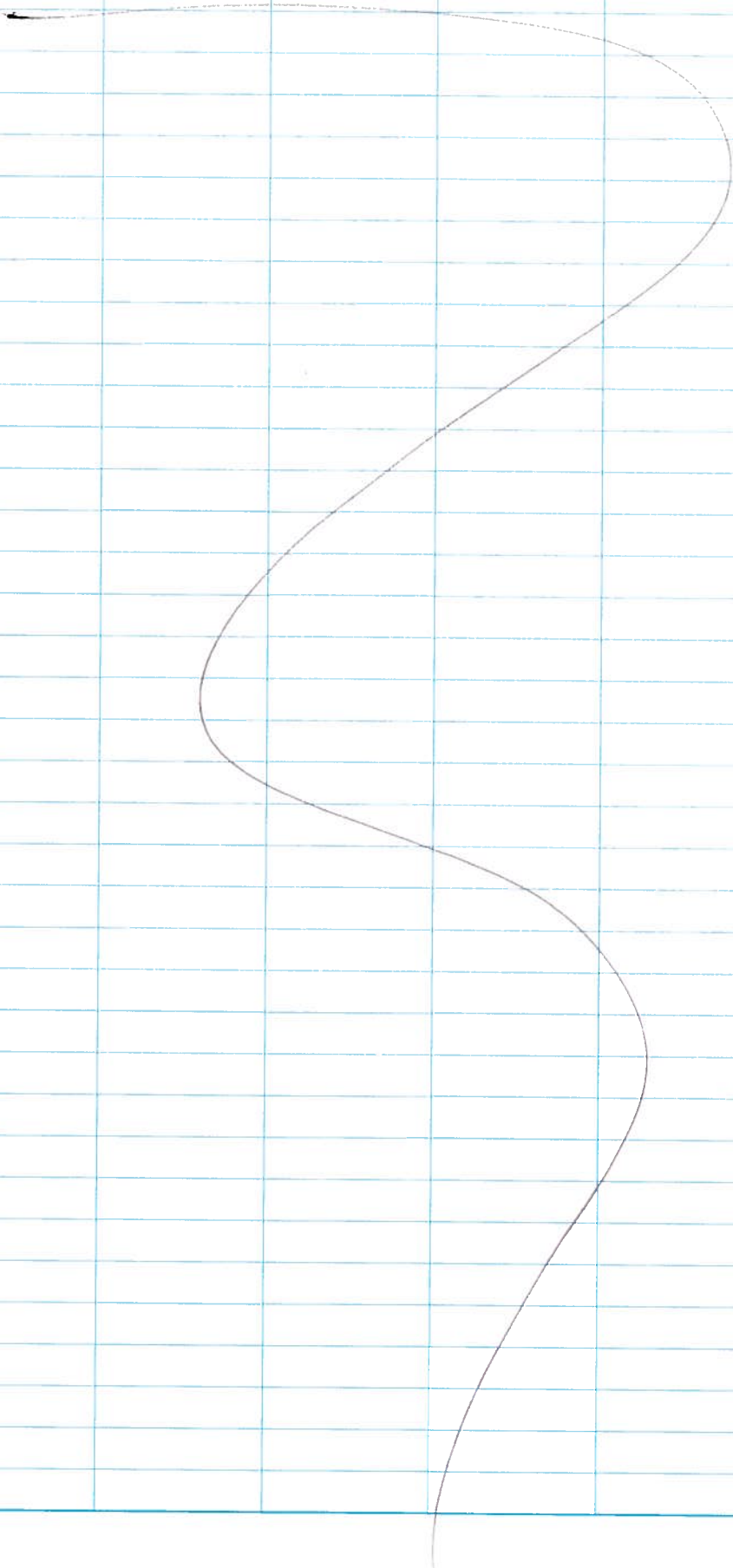
0620 - Tetra Tech CALIBRATED AIR PUMP 827189 AT 4.0 LPM

0650 - Sample started and placed on Ryan^{UP} Jeremy Holst
ABS included ALL surface soil sampling activities.1050 - ABS SAMPLE RETRIEVED FROM ^{UP} stepped by field team.1315 - ABS SAMPLE RETRIEVED FROM TEAM 2. Calibration
check after pump turned on; 3.7 LPM.

- ABS SAMPLE - BC-ABS-00007

FIELD BLANK BC-ABS-00008

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6/3/14

ACTIVITIES PLANNED for today include surface soil sampling, sub-surface sampling, hollow-stem auger -

ABS sampling will be completed during sub-surface sampling on sampler and in backhoe.

0610 Tetra Tech calibrated 3 air pumps at 4.0 LPM

0735 - Tetra Tech placed sample BC-ABS-00009 on
BACKHOE OPERATOR BILL ALLEN

0744 - Tetra Tech placed sample BC-ABS-00010 on
TEST PIT SAMPLER Ed Surbrugg

1035 - Temporarily stopped sample BC-ABS-00009

1044 - Temporarily stopped sample BC-ABS-00010

1200 ~~1300~~¹²⁵⁵ - Started sample BC-ABS-00009

1300 - Stopped sample BC-ABS-00009

- A total of 240 minutes for ABS sample
BC-ABS-00009

1300 - Started sample BC-ABS-00010

1400 - Stopped sample BC-ABS-00010

- A total of 240 minutes for ABS sample
BC-ABS-00010

6/4/14

Activities Planned for today Surface Soil Sampling and Hollow Stem Auger.

- Surface Soil Team - SM, JH, SH

- Hollow Stem Auger Team - SB, LP, J[Ⓢ] RJ, RF & Drillers

BC-ABS-00012 set up on JH @ 0701
Stop @ 1101 (240 liters)

BC-ABS-00013 set up on ELS @ 0725 (Drill operator)

BC-ABS-00014 set up on RF @ 0730 (SPT sampler)

~ Air pumps calibrated @ 4.0 LPM prior to start ~

BC-ABS-00013 & 00014 stopped @ 10:15 for safety break -

BC-ABS-00013 restart 11:25 Calibration Check 3.8 LPM

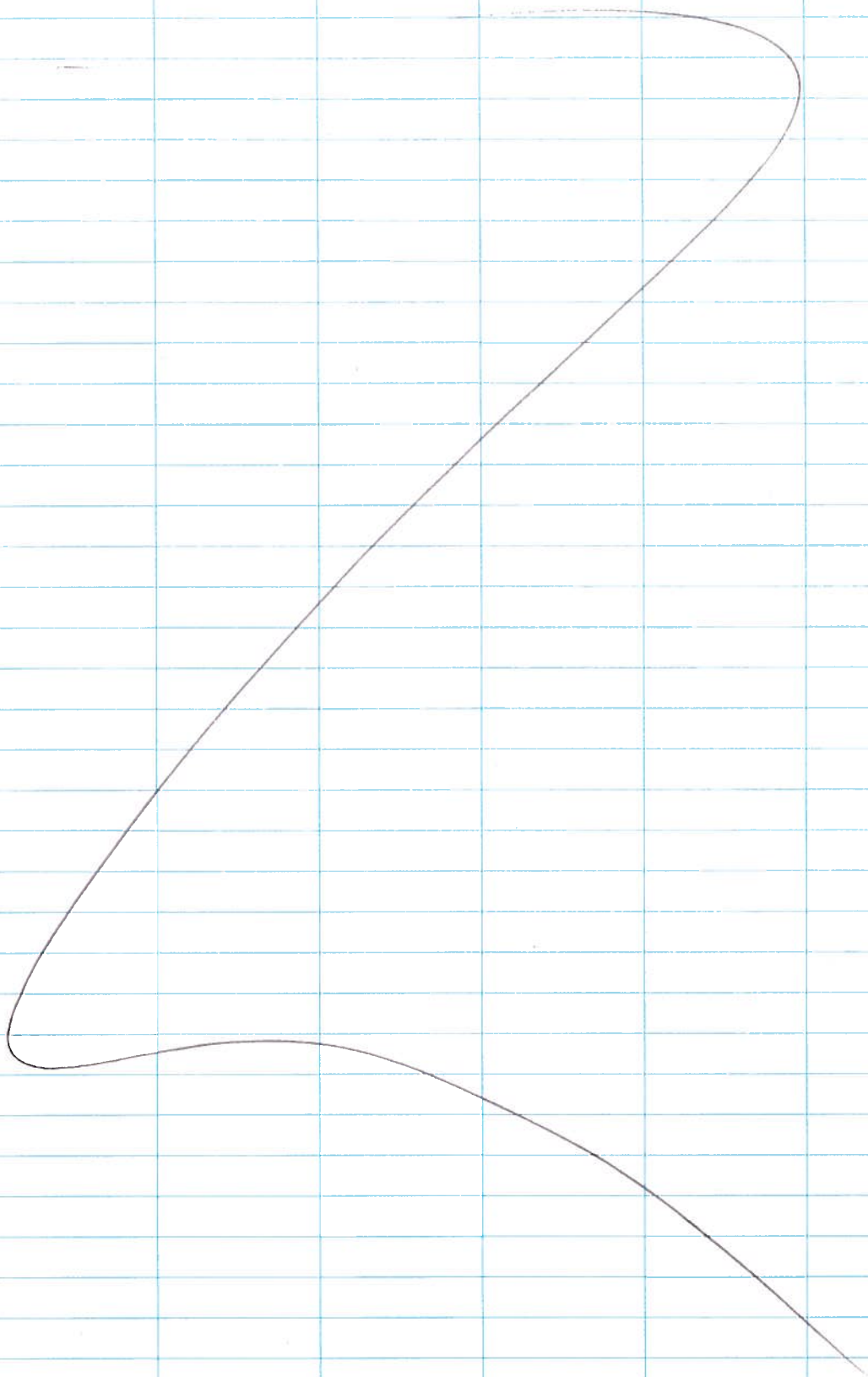
BC-ABS-00014 restart 11:27 Calibration Check 3.8 LPM

11:30 - Work commenced @ HS-4 New Driller Helper

1237 - Retrieved sample from ELS - 244 mins

1245 - Retrieved sample from RF - 240 mins

FIELD BLANK COLLECTED - BC-ABS-00015



6/5/14

ABS Activity Today HSA & Driving.

Driving ABS PUMP Calibrated @ 10 LPM
 HSA ABS pumps Calibrated @ 4.0 LPM

HSA-ABS-00018 ^{UP}	BC-ABS-00018	HS-05 & 06 Driver
HSA-ABS-00019 ^{UP}	BC-ABS-00019	HS-05 & 06 Sampler
FB	BC-ABS-00021	

BC-ABS-00016 Driving Scenario 1 Start 0740 End 0840

BC-ABS-00017 Driving Scenario 2 Start 0900 End 1000

BC-ABS-00020 Microvac composite dust from vehicle 2.5 minutes TOTAL

6-6-14

ABS Activities

BC-ABS-00022 Microwave Composite Dust

BC-ABS-00023 Driving Scenario 3

BC-ABS-00024 Driving Scenario 4

BC-ABS-00025 Driving Scenario 5

BC-ABS-00026 Field Blank

BC-ABS-00027 Lot Blank

BC-ABS-00028 Test Pit Backhoe Operator

BC-ABS-00029 Test Pit Sampler

BC-ABS-00030 Field Blank

6/9/14

Rock Coring Monitoring Team: MS, LP, SH, RJ

ABS Activities Core drilling: Drill Operator + sampler Receptor
START AT RC-1

RC-ABS-00031 Drill operator TLT

Flow - 4.0 LPM Avg

Start - 0657

END - 1057

Volume - 960 liters

RC-ABS-00032 - Sampler - RJ

Flow - 3.9 Avg (4.0 + 3.0)

Start - 0658

End - 1058

Volume - 936 liters

RC-ABS-00033 - Field Blank

AF. End of day. RC-1 Drilled to 0 - 34.5'