

#3 721'

#4 1042' 1100-58'

#5 1159 1200-49

#6 1219

300	1:25
287	1:28
275	1:32½
249	3:03
235	3:06
218	3:07½
192	3:08
188	3:09
165	3:10½
160	3:11½
147	3:13
104	3:14
59	3:15
21	3:16½
10	3:17½

long 1 = falling edge
 long 2 = both
 long 3 = falling edge

~~Total 60 Kgs, 600 lbs~~
~~Drilling water 100 lbs~~

10-26-2011

3rd file

Seismic @ 300 Level Hms

check effects of 6:ma samples using

100
 edge
 ↓

5 1 shot 100' 300 level;
 set up
 geophones

6 100' 5 shots at entrance
 1 high vent
 1 low vent
 2 horiz

0310

7 100' shot toward wall 5 stacks, toward east

8 100' towards west

9 100' parallel to drift toward setup

10 100' away from setup

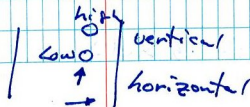
11 450' vertical

11 no good (150')

12 125' ^{five} ~~one~~ shots vertical

130 150' 5 shots vertical

14 150' 5 shots vertical (repeat)



file #	all at 100 msec interval	
15	200'	one shot vertical
16	200'	five shots
17	250'	1 shot
18	250	5 shots
19	300	1 shot
20	300	5 shots

3 & 250
file all of 250 msec & the interval

① 300 1 shot

2 300 5 shots

~~3 250 1 shot No good~~

4 250 1

5 250 5 shots

6	200	1 shot
7	200	5 shots
8	150	1 shot
9	150	5 shots
10	100	1 shot
11	100	5 shots

Sample interval 125 msec
3 & 125
file

1	100	1 shot
2	200	5 shots
3	150	1 shot
4	150	5 shots
5	200	1 shot
6	200	5 shots
7	250	1 shot
8	250	5 shots

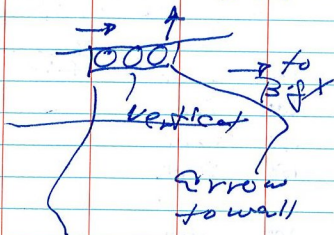
all at 125 μ sec

9	300	1 shot
10	300	5 shots
11	50	1 shot
12	50	5 shots

10-28-2011

on 4850/eve1

Set geophones on first
bracket at [200-25] ft.



Hooked in to channel 3

File 108K @ 175 R
1:35:02 start acquisition.

Record	Time	Receiver
Start at 2		at 175 ft to west of wing tip
2	1:37:33	38 1:55:00 8
6	1:37:55	42 1:55:18 188
7	1:39:31	43 1:56:30 9
11	1:39:56	47 1:56:49 107
12	1:41:31	48 1:57:30 10
16	1:41:57	52 1:57:50 100
17	1:43:31	53 2:01:00 11
22	1:43:56	57 2:01:18 147
23	1:45:00	58 2:03:00 12
27	1:45:28	62 2:03:22 107
28	1:52	63, 64 No good
32	1:52 23	65 2:05:00 59
33	1:54:00	69 2:05:30 13
37	1:54:18	70 2:06:30 21
		71 2:06:45 14
		75 2:08:15 15
		77 2:08:47

Record	Locn	Time	Location	Receive Station
79-83	300	3:02:00	file 1082	150 ft
73	287	3:00:30		west of
67	275	2:59		triangle
61	249	2:57:30		tip
56	235	2:56:30		
51	218	2:55		
47	192	00 2:53:30		
41	188	2:52:30		
36	165	2:50:30		
29	160	2:49:30		
24	147	2:48:00		
19	104	2:46:30		
13	59	2:44:00		
1	21	2:42:30		
1	10	2:41:30		

		Receive at
108m		75 ft.
300	3:30:00	d.L.I
287	3:31:00	miss
275	3:32:00	the
249	3:33:00	transfer
235	3:34:00	
218	3:35:00	
192	3:37:30	} close together
188	3:38:30	
165	3:40	
160	3:40:30	must be repeat
147	3:40:45	-NO
104		
59		
21		
10		
147	3:44:30	
104	3:45:30	
59	3:46:40	
21	3:48-	
10	3:49-	

Nov 18, 2011
4850 level

125 ft. 125R

Set up Seismograph
Station location 125 ft

Geophones location

50 R

@ 56

Station	Time	100 R	50 R
start			start
200	10:11:30		11:09:00
287	10:13:30		8:00 27:30
275	10:15:00		7:00 28:30
249	10:16:00	Trunk.	6:00 29:30
235	10:17:00		11:05:00 30:30
218	18:00		3:30 31:30
192	19:00		02:00 32:30
188	20:00		11:01 33:30
165	21:00		59:30 34:30
160	22:00		59 35:30
147	23:00		58:00 36:30
104	24:00		56:30 38:00
93	25:00		55:30 39:00
79	26:00		54:30 40:00
59	27:00		53:30 41:00
32	28:00		52:30 42:00
21	29:00		51:30 43:00
10	30:00		10:50:30 11:44:00
			start at 00
			10

on file 125R
Record 1 horizontal struck
away from gates

Record 2 horizontal toward
gates

3 down

4 up.

25R

~~11:09:00~~

~~1:08:00~~

125:30

12:50:30

12:44:00

12:48:00

12:46:00

12:45

12:44:00

12:43:00

12:41:00

12:39:00

12:37:30

12:36:30

12:35

12:34:00

12:26:00

12:25:00

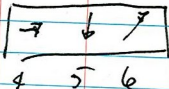
Repeat of
287 1:10:45

~~12:41:00~~
~~12:40:00~~
~~12:39:00~~
~~12:38:00~~
~~12:37:00~~
~~12:36:00~~
~~12:35:00~~
~~12:34:00~~
~~12:33:00~~
~~12:32:00~~
~~12:31:00~~
~~12:30:00~~
~~12:29:00~~
~~12:28:00~~
~~12:27:00~~
~~12:26:00~~
~~12:25:00~~

125 ft. 125R
not used
used in
station

File 12R (cat 12.5')	12R	37R	62R
start	Time	Time	Start Time
300	1:46:00	2:45 ⁰⁰	3:02 ⁰⁰
287	1:47 ⁰⁰	44 ⁰⁰	03 ⁰⁰
275	48 ⁰⁰	43 ⁰⁰	04 ⁰⁰
249	49 ⁰⁰	42 ⁰⁰	05 ⁰⁰
235	50 ⁰⁰	41 ⁰⁰	06 ⁰⁰
218	51 ⁰⁰	39 ³⁰	07 ⁰⁰
192	52:30	38 ⁰⁰	08 ⁰⁰
188	54 ⁰⁰	37 ⁰⁰	09 ⁰⁰
162	55 ³⁰	36 ⁰⁰	3:10:00
160	56 ³⁰	35 ⁰⁰	11:00
147	57 ³⁰	34 ⁰⁰	12:00
104	59 ⁰⁰	33 ⁰⁰	13 ⁰⁰
Δ 93	2:00 ⁰⁰	32 ⁰⁰	14 ⁰⁰
Δ 79	01:00	31 ⁰⁰	15 ⁰⁰
59	02 ⁰⁰	2:30:00	16 ⁰⁰
Δ 32	03 ⁰⁰	29 ⁰⁰	17 ⁰⁰
21	04 ⁰⁰	28 ⁰⁰	18 ⁰⁰
10	2:05 ⁰⁰	2:17 ⁰⁰	3:19 ⁰⁰

Start



on 12R 188 might have
 protruded in
 the middle (?)
 maybe also on 218 (?)

12-2-2011

87+112

see
Locations87+
112
Aspecia75+
162
~~162~~
~~162~~200-
MB
(motor
barn)

300	11:28	1:02-	1:49
287	11:29	1:01-	50:30
275	30:30	59-	52 ⁰⁰
249	32-	57:30	53:30
235	33:30	56-	55-
218	35:30	54-	57:30
192	40-	51:30	2:00:00
188	41-	40:30	01:00
165	42-	44-	2:30
160	43-	48:30	2:03:30
147	44:30	47-	5:30
104	46:00	45:30	7:30
93	47-	44-	9-
79	48-	43-	10-
59	49-	42-	11-
32	52:30	41-	12-
21	59-	39:30	13:30
10	55-	12:38:30	2:15:00

12:38:30

2:23.30
5:30
yedo

MB 10, 11, 12

200 4, 5, 6

using channels

~~200~~
112 4, 5, 6

0	0	0
4	5	6

87

0	0	0
10	11	12

Did geophone test on 112

100X

Checked --

Correct.

unhooked

6

75 3, 4, 5

162 on the
first
channels
10, 11, 12

FELE = file to test
leading edge vs.
falling edge trigger.

4/00 inspection 12-21-11
in prep for DARR Video
Switchback
120 contacts
Survey inside of contact.
distance from switch to
infrastructure.

15 sep 20 amp circuit

rrh files used Falling Edge
trigger

Reconstructing Bad record/good record history
of 75-162 on 1-1-12. (Missing
notes for this bad/good record. looks ok though

Bad Records

1	32	54	98
11	92	63	99
12	50	66	100
18	51	76	101
19	53	82	112

--

Start at 10 receiver location

2-6 10	10		
9-13 15	21		
16-21 25	32	57-58, 60-61	165
22-27	59	63-66	188
29-33	79	67-71	192
34-37	93	73-77	218
39-43	104	79-83	235
44-45, 48	147	84-88	249
52-54	160	89-93	275
		98-102	287
		103-107	300

Reconstructing 200-mb
as from previous page

Bad records

1	36	65
23	55	91
34	64	

Records

2-6	287
7-11	275
12-17	249
18-22	235
24-28	218
29-33	192
35-39	188
40-44	165
45-49	160
50-54	147
56-60	104
61-63	93
66-70	79
71-75	59
76-80	32
81-85	21
86-90	10
92-96	300

Notes:

** All records
between Sept 2011
and January 2012
were set up for a
trigger on the
Falling Edge. This
yielded a
0.001702 sec
delay in the
start of
recording based
on a survey
using railroad
truck steel.

3.12

Parameters	100 msec
hit 2000	
Locut 4	trigger Auto
Samples 2000	Sensitivity 2
	Falling Edge

3.12.5

2-18-2012 → RCT are tests for
delay and steel
velocity.
RCT1 Railroad calibration
100 msec sample
interval test (I)
Rising edge
from 300 → 25 from source

The 300 slot was repeated (also
perhaps #5?).

Falling edge on same file starting
at 25' and going to 300

"Both" trigger at 300 → 25'
Took extra 300' shot before
setting "Both" on trigger.

high freq. geophone on
channel 3
and
low on channel 4

RCTZ

500 unsec sample trim
50 ms range
400 hicut

Starting @ 25 → 300'

Then changed to falling
edge
300 → 25'

Then "Both" 25 → 300

RCTZ -

at 75'

~~3 progressively harder~~

3 progressively harder
followed by Jones Soft.
width of track
2 5/8"

Removing data files from Bison
3-11-12

bctI Sample interval 250
Sample length 2000
800
12

Mode Auto
Both

bfj
SI 500
Sample length 2000

File	Sample interval	Sample length	Hi Cut	Lo Cut	Trigger
bfj	500	2000	500	10	Auto falling edge off
bfb	1000	1000	0	8	Falling edge manual
bfc	500	2000	500	10	Both
bfd	500	2000	500	10	Auto Both
bfe	500	2000	500	10	Auto Both
125r	100	200	2000	4	Auto Falling edge
100r	100	200	2000	4	Auto Falling edge
108K	100	200	1500	4	Auto Falling edge
108d	100	200	1500	4	Auto Falling edge
108m	100	200	1500	4	Auto Falling edge
50r	100	200	2000	4	Auto Falling edge
25r	100	200	2000	4	Auto Falling edge
12r	100	200	2000	4	Auto Falling edge
37r	100	200	2000	4	Auto Falling edge

File Name	Samp Interval	Sample Length	Hi-Cut	Lo-Cut	Trigger
62r	100	200	2000	4	Auto
75-162	100	200	2000	4	Falling E. Auto
200-mb	100	200	2000	4	Falling E. Auto
87-112	100	200	2000	4	Falling E. Auto
Katz	100	50	2000	4	Falling E. Auto Falling E.

3-23-12

Returned 10 boxes of Core to AMS.
Hole C Box 49 - 58.

Picked up

C-62 533.1-542.2	C-68 587-596
C-66 569-578	C-31 267-273
C-38 316-325	C-45 379-388
C-37 307-316	C-44 370-379
C-65 560-569	C-43 361-370
C-63 542-551	C-46 388-397
C-67 578-587	C-47 397-406
35 300-307	C-41 343-352
34 291-300	C-40 334-343
33 283-291	C-42 352-361
64 551-560	C-48 406-415
69 596-589	
32 273-283	