

LOCATION #1 - 9/16/11, 7:04:41 - 11:53:16

Event Report: Monitor Log

| Start Time | End Time | Status |
|---------------------|---------------------|--|
| Sep 16 /11 07:04:41 | ----- | SERIAL NUMBER: BE17095 |
| Sep 16 /11 07:04:49 | Sep 16 /11 07:04:54 | Start Monitoring Trigger Level: Geo: 0.00500 in/s |
| Sep 16 /11 07:04:54 | | Event recorded. Trigger Level Vert: 0.00500 in/s - MMC INDUCED EVENT (INTENTIONAL) |
| Sep 16 /11 10:25:01 | Sep 16 /11 10:25:06 | Start Monitoring Trigger Level: Geo: 0.00500 in/s |
| Sep 16 /11 10:25:06 | Sep 16 /11 11:53:16 | Event recorded. Trigger Level Tran: 0.00500 in/s |
| | | No events recorded. (Keyboard Exit) Geo: 0.00500 in/s |

HYDRAULIC FRACTURING
8135-10128

PXP Vic 1 330
Location #1
9/16/11, 7:04:41 - 11:53:16

Event Report: Event List - p:\petroleum\plains exploration & production (pxp)\vic 1 330 monitoring\data1.16

| Type | Serial No. | Date/Time | No. Chan | Trigger | Tran Peak (in/s) | Vert Peak (in/s) | Long Peak (in/s) | Mic Peak (dB) | PVS1 (in/s) | Description |
|------|------------|---------------------|----------|---------|------------------|------------------|------------------|---------------|-------------|-------------------------------------|
| LOG | BE17095 | Sep 16 /11 07:04:41 | *** | *** | *** | *** | *** | *** | *** | Start Monitoring |
| W | BE17095 | Sep 16 /11 07:04:49 | 3 | Vert | 0.101 | 0.0250 | 0.0375 | *** | 0.108 | PXP-MMC INDUCED EVENT (INTENTIONAL) |
| W | BE17095 | Sep 16 /11 10:25:01 | 3 | Tran | 0.00500 | 0.00312 | 0.00250 | *** | 0.00508 | PXP |
| LOG | BE17095 | Sep 16 /11 11:53:16 | *** | *** | *** | *** | *** | *** | *** | Keyboard Stop |

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 HYDRAULIC FRACTURING
 8:35-10:28

Date/Time Vert at 07:04:49 September 16, 2011
 Trigger Source Geo: 0.00500 in/s
 Range Geo: 1.25 in/s
 Record Time 5.0 sec at 1024 sps

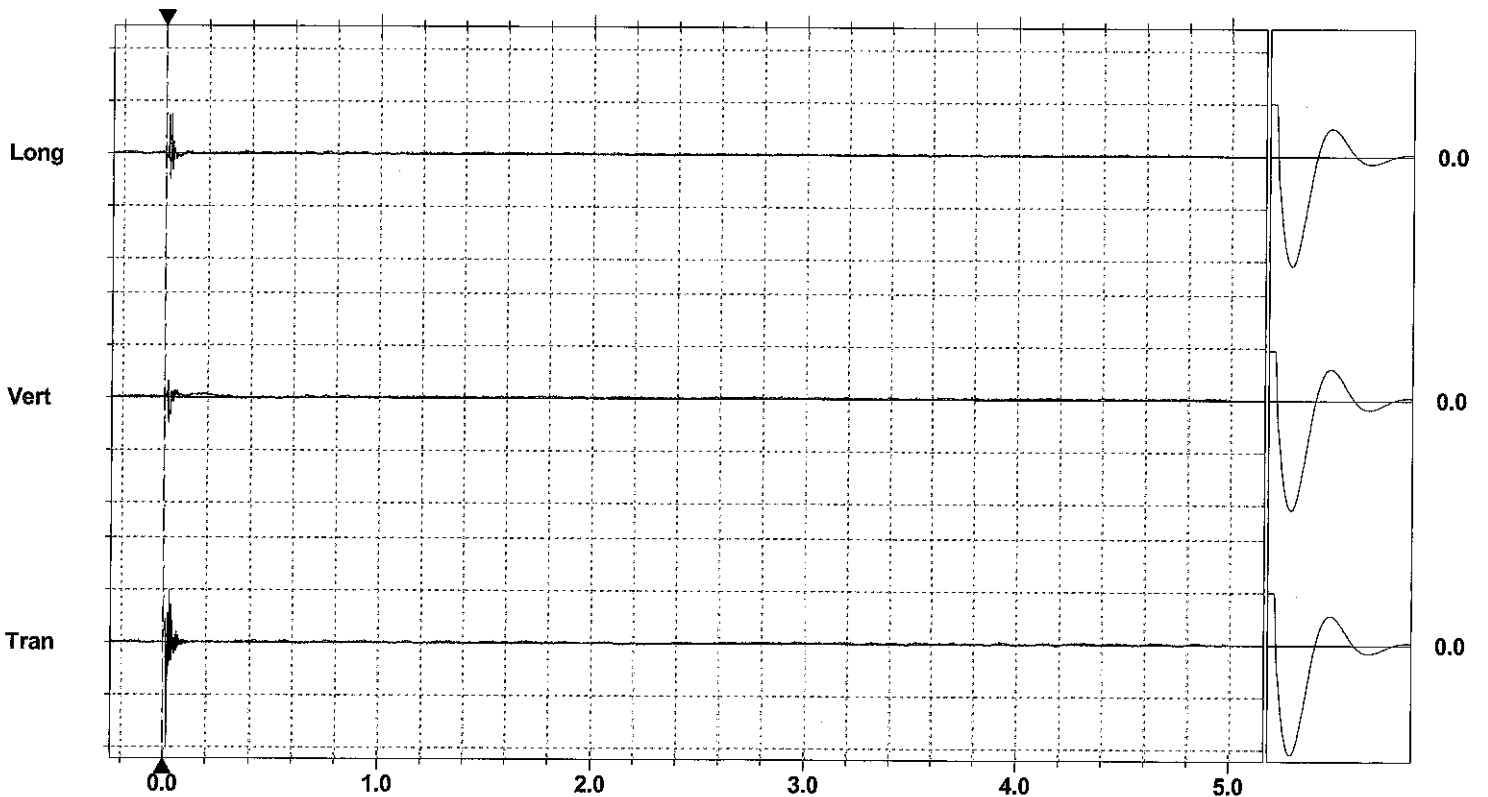
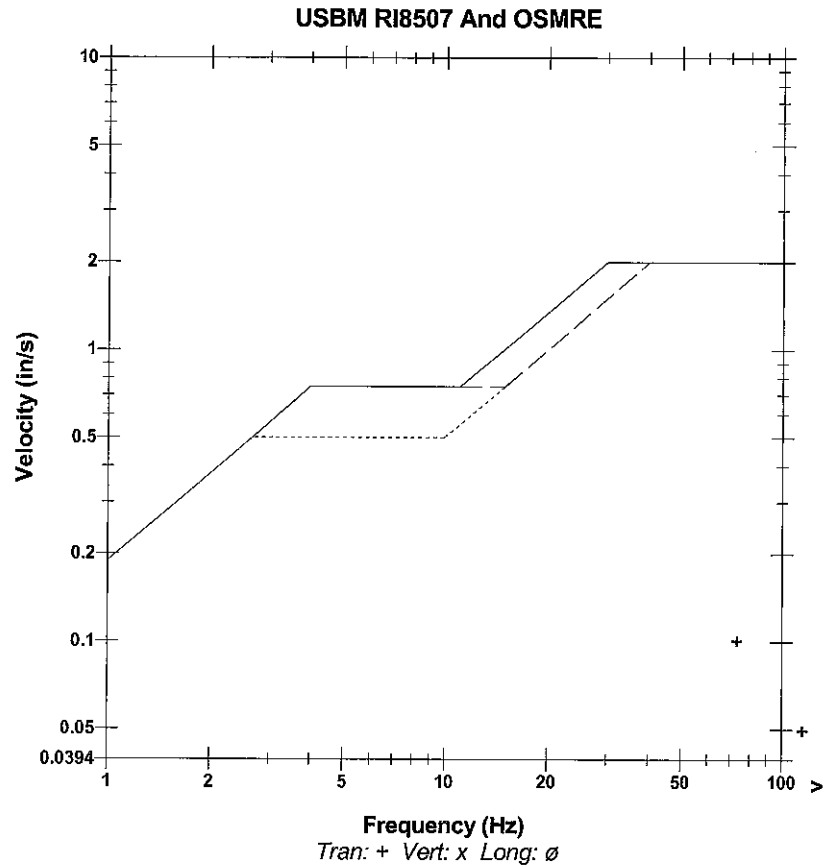
Serial Number BE17095 V 10.06-8.17 MiniMate Plus
 Battery Level 6.4 Volts
 Unit Calibration May 13, 2011 by InstanTel
 File Name S095DXRI.C10

Notes

Client: PXP
 Project: VIC 1 330
 Location: Inglewood Field - Los Angeles, CA
 User: MMC, Inc. - Mark Burgus

Extended Notes:

| | Tran | Vert | Long | |
|---------------------|---------|---------|---------|------|
| PPV | 0.101 | 0.0250 | 0.0375 | in/s |
| ZC Freq | 73 | 39 | >100 | Hz |
| Time (Rel. to Trig) | 0.018 | 0.021 | 0.027 | sec |
| Peak Acceleration | 0.116 | 0.0497 | 0.0729 | g |
| Peak Displacement | 0.00019 | 0.00017 | 0.00005 | in |
| Sensor Check | Passed | Passed | Passed | |
| Frequency | 7.4 | 7.5 | 7.5 | Hz |
| Overswing Ratio | 3.7 | 3.5 | 3.9 | |



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.0500 in/s/div
 Trigger = \blacktriangleright \dashleftarrow

Sensor Check

Date/Time *Tran at 10:25:01 September 16, 2011*
 Trigger Source *Geo: 0.00500 in/s*
 Range *Geo: 1.25 in/s*
 Record Time *5.0 sec at 1024 sps*

Serial Number *BE17095 V 10.06-8.17 MiniMate Plus*
 Battery Level *6.3 Volts*
 Unit Calibration *May 13, 2011 by Instantel*
 File Name *S095DXRR.LP0*

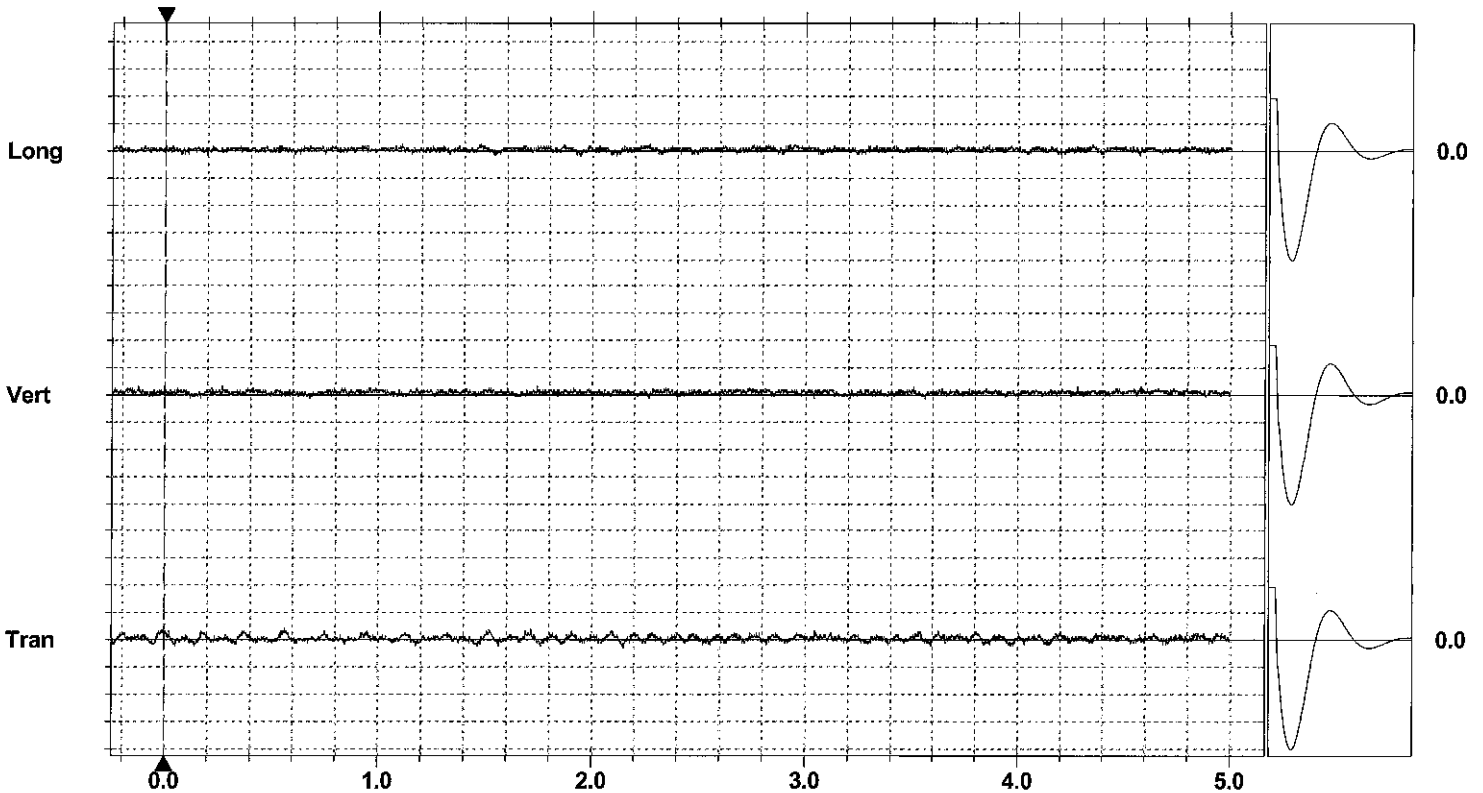
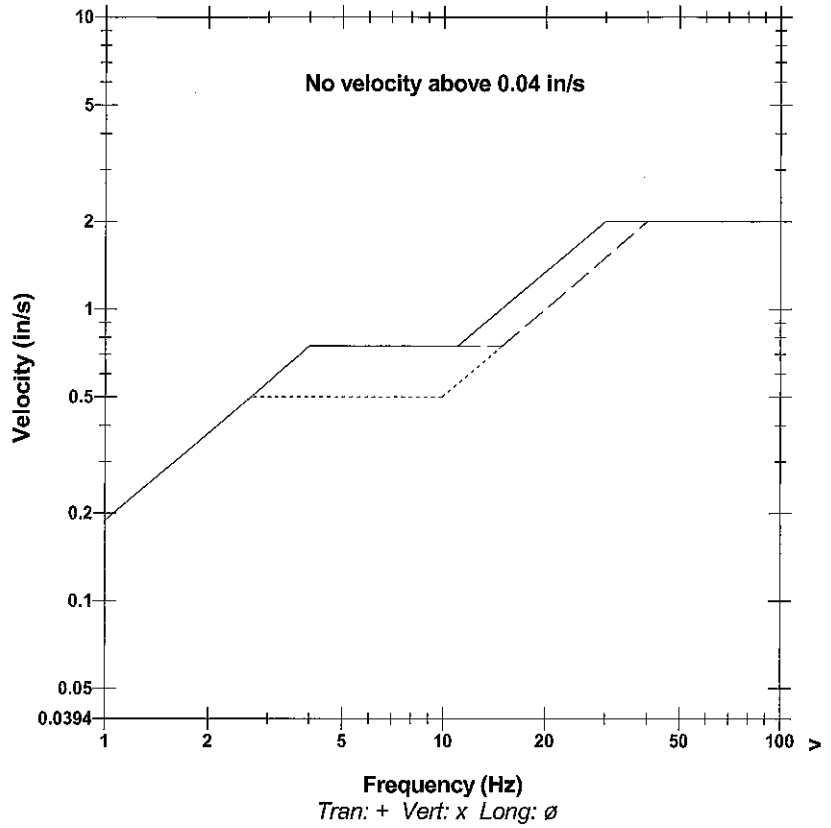
Notes

Client: *PXP*
 Project: *VIC 1 330*
 Location: *Inglewood Field - Los Angeles, CA*
 User: *MMC, Inc. - Mark Burgus*

Extended Notes:

| | Tran | Vert | Long | |
|---------------------|---------|---------|---------|------|
| PPV | 0.00500 | 0.00312 | 0.00250 | in/s |
| ZC Freq | 11 | 27 | 43 | Hz |
| Time (Rel. to Trig) | 0.000 | -0.121 | 1.108 | sec |
| Peak Acceleration | 0.00497 | 0.00663 | 0.00497 | g |
| Peak Displacement | 0.00006 | 0.00004 | 0.00002 | in |
| Sensor Check | Passed | Passed | Passed | |
| Frequency | 7.4 | 7.5 | 7.5 | Hz |
| Overswing Ratio | 3.7 | 3.5 | 3.9 | |

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.01000 in/s/div
 Trigger = ▶ ◀

Sensor Check