



OBSERVER LOG

SEQ

6

| | |
|---|---------------------|
| Contractor: Wavefield Inseis | Line: CGGV0024P1006 |
| Vessel: Geowave Champion | Sequence: 006 |
| Clients: BPPT/PT Veritas DGC Mega Pratama | Direction: 135 ° |
| Job nr: 2058 | Date: 22-May-09 |
| Area: SW Sumatra, Indonesia | |

| | | |
|---|---------------------------|-------------------|
| Party Chief: Graham Fisher | Ch.Observer: Doug Macleod | Version Number: 1 |
| Observers: Rob Reason, Giovanni Mariano, Pat Birt, Jez Hibberd, Darran Pettit | | |

| Streamers: | Length (m) | Channel Sets | Channels | Trace# | Depth (m) |
|--------------------|------------|--|----------|-------------|--------------|
| Auxiliaries | n/a | Channel set 1 | 2 | 1 - 2 | |
| Streamer 1: | 6000 | Channel set 2 | 480 | 3 - 482 | 15 +/- 1.0 |
| Streamer 2: | 15000 | Channel set 3 | 1200 | 483 - 1683 | 22.5 +/- 1.0 |
| Streamer 3: | 6000 | Channel set 4 | 480 | 1684 - 2162 | 7.5 +/- 1.0 |
| String Separation | 50m | Trace numbers increase from from head to tail of the streamers | | | |
| Shotpoint Interval | 50m | | | | |
| Group Interval | 12.5m | Bird numbers increase from head to tail of the streamers | | | |

| Recording Parameters: | | | | | |
|-------------------------|-----------------------------|-----------------------|--------------------------------|--|--|
| Recording system: | Sercel Seal | Fluid Sections (ALS): | 17.4 V/Bar Nominal Sensitivity | | |
| Total number of traces: | 2160 | Solid Sections: | 19.7 V/Bar Nominal Sensitivity | | |
| Record Length: | 20 sec | Recording media: | IBM3592 / 512 tracks | | |
| Sample rate: | 2 msec | Tape Format: | SEGD 8058 rev.1 32bits IEEE. | | |
| Analog Lo-Cut: | 3.0 Hz @ 6 dB/octave | Tape Blocking: | Disabled | | |
| Start of record: | -50 ms (100ms prior to FTB) | Actual Block Size: | 615 | | |
| Digital Filter Delay: | none | Noise records: | 2 | | |

| Source Parameters: | | | | | | Source General Comments |
|--------------------|-----------|------------|------------|-------|----------|-------------------------|
| ARRAY | SUBARRAYS | SOL VOLUME | EOL VOLUME | DEPTH | PRESSURE | |
| 1 | 1 - 6 | 9600Cu.In | 9600Cu.In | 15 m | 2000 psi | |
| String Separation: | | 10m | | | | |

| Channel set 1 description (Auxiliary traces) | | | | | | | | | | | |
|--|--------|---------|-----|--|--|--|--|--|--|--|--|
| Channel | Aux | Channel | | | | | | | | | |
| 1 | QC FTB | 2 | FTB | | | | | | | | |

| Channel set 18 description (Auxiliary traces) | | | | | | | | | | | |
|---|---------------|---------|---------------|---------|---------------|---------|---------------|---------|---------------|---------|-----------------|
| Channel | Aux | Channel | Aux | Channel | Aux | Channel | Aux | Channel | Aux | Channel | Comments |
| 1 | S1 NF1 G1 & 2 | 9 | S2 NF3 G5 & 6 | 17 | S3 NF5 G 9 | 25 | S5 NF1 G1 & 2 | 33 | S6 NF3 G5 & 6 | | S = String |
| 2 | S1 NF2 G3 & 4 | 10 | S2 NF4 G7 & 8 | 18 | S3 NF6 G10 | 26 | S5 NF2 G3 & 4 | 34 | S6 NF4 G7 & 8 | | G = GUN |
| 3 | S1 NF3 G5 & 6 | 11 | S2 NF5 G 9 | 19 | S4 NF1 G1 & 2 | 27 | S5 NF3 G5 & 6 | 35 | S6 NF5 G 9 | | NF = Near Field |
| 4 | S1 NF4 G7 & 8 | 12 | S2 NF6 G10 | 20 | S4 NF2 G3 & 4 | 28 | S5 NF4 G7 & 8 | 36 | S6 NF6 G10 | | |
| 5 | S1 NF5 G 9 | 13 | S3 NF1 G1 & 2 | 21 | S4 NF3 G5 & 6 | 29 | S5 NF5 G 9 | | | | |
| 6 | S1 NF6 G10 | 14 | S3 NF2 G3 & 4 | 22 | S4 NF4 G7 & 8 | 30 | S5 NF6 G10 | | | | |
| 7 | S2 NF1 G1 & 2 | 15 | S3 NF3 G5 & 6 | 23 | S4 NF5 G 9 | 31 | S6 NF1 G1 & 2 | | | | |
| 8 | S2 NF2 G3 & 4 | 16 | S3 NF4 G7 & 8 | 24 | S4 NF6 G10 | 32 | S6 NF2 G3 & 4 | | | | |

| Line Statistics: | | | | | | | | | | |
|-----------------------------|--------------|--------------|-------------|-------------|-------------|-----------|---------------|------------|------------------|--|
| | UTC Time | Local Time | File | Shot | Tape Number | WSP (kts) | Sea State (m) | Wind (kts) | Barometric (hPa) | |
| First Shot Point | 01:48 | 08:48 | 1006 | 2360 | 8 | 4.0 | 0.5 | SE10 | 1014 | |
| First Good Shot Point (SOL) | 01:48 | 08:48 | 1006 | 2360 | 8 | 4.0 | 0.5 | SE10 | 1014 | |
| Last Good Shot Point (EOL) | 23:00 | 06:00 | 4346 | 5700 | 8 | 4.0 | 1.0 | SE13 | 1013 | |
| Last Shot Point | 23:00 | 06:00 | 4346 | 5700 | 8 | 4.0 | 1.0 | SE13 | 1013 | |
| Total | 21:12 | 21:12 | 3341 | 3341 | 1 | | | | | |

| Noise Records: | | | | | |
|----------------|------------|----------|------|------------|--|
| | File Start | File End | Tape | Amb. Noise | |
| SOL | 1004 | 1005 | 8 | 3.7 µB | |
| EOL | 4347 | 4351 | 8 | 3.1 µB | |

| Soft Start (UTC): | | |
|-------------------|--------|----------|
| Start | Finish | Comments |
| 01:18 | 01:38 | |

Line Comments:
 Birds 1,2 and 3 on streamer 2 intermittently shallow due to front end tension

LGSP 3063
 SP 3064-3081 gun 5 on string 3 auto-firing picking up string 3
 SP 3072 only string 3 firing d/t troubleshooting.
 SP 3076 string 3 disabled new vol: 7840cu.in
FGSP 3243 all guns strings firing back to vol:9600 cu.in
 Gun 3-1 bad gun timing 1.6 - 1.9ms. SP's 3263,
 Gun 3-4 bad gun timing 1.6 - 1.9ms. SP's 3265,

** Low sensitivity visible on streamer 2 for unknown reason for the following traces... 937-1009, 1045-1079, 1140-1212, 1249-1321**

| Bad Traces | | | | | | | |
|------------|--------------|--------------|-------------|-------------|--------------------------|------------------------------|--------------|
| Streamer | Spiky traces | Noisy traces | Weak traces | Dead Traces | Failing SEAL Sensor Test | Failing SEAL Instrument Test | To be Edited |
| Streamer 1 | | | | | 7,11,290 | | |
| Streamer 2 | | 988 | | | | | |
| Streamer 3 | | | | | 10 | | |

| Line Data | | | | | | | |
|-----------|-------|------|------|-------------|------|------|---------------|
| Tape | File | | | Shot points | | | Comments |
| | First | Last | Sum | First | Last | Sum | |
| 8 | 1004 | 1005 | 2 | - | - | | Noise records |
| 8 | 1006 | 4346 | 3341 | 2360 | 5700 | 3341 | SOL-EOL |
| 8 | 4347 | 4348 | 2 | | | | Noise records |

| Shots To Be Edited (Gun Timing Errors > 1.5 ms, Bad Gun Headers, Lost Shots) | | | | | | | |
|--|-------|------|-----|-------------|------|-----|--------------|
| Tape | File | | | Shot points | | | Comments |
| | First | Last | Sum | First | Last | Sum | |
| | 1455 | 1455 | 1 | 2809 | 2809 | 1 | Bad gun data |

