

Vessel: M/V Pacific Titan  
 Client: Nexus Energy  
 Project #: 6318  
 Area: VIC P/49, SE Australia

Preplotted LineName: **VGNXS07-40**  
 Contractors Line Name: **VGNXS07-40-35**

Direction: **200 °**  
 Date Shot: **12 July 2007**

Party Chief: Haydn Brook Chief Obs: Tyrone Hackett Observers: John Gracey, Slawomir Korybalski, Ingvild Bostad

SOL Time (UTC)	SOLTape#	First File	SOL SP	SOL File	FCSP	FCSP File	FCSP Time (UTC)
05:10	35	979	1001	1001	1001	1001	05:10

Swell Noise Levels  
 1.5% @ 25 µB

EOL Time (UTC)	EOLTape#	Last File	EOL SP	EOL File	LCSP	LCSP / LFFSP File	LCSP Time (UTC)
06:42	35	1701	1700	1700	1700	1700	06:42

1.0% @ 25 µB

	Wind Speed	Swell	Streamer Feather	Filtered Noise	Bottom Speed	Water Speed	Water Depth	Streamer Depth	Source Volume Stbd. Port
<b>SOL</b>	20 kts SW	3.0 m	6.3° Port	5.7 µB	5.0 kts.	5.0 kts.	503 m	7 m	1970 / 1470 cu. in
<b>EOL</b>	20 kts SW	3.0 m	2.3° Port	7.8 µB	4.7 kts.	5.0 kts.	2200 m	7 m	1970 / 1470 cu. in

### Recording Parameters

Recording System	Sercel Seal 408XL
Record Length	6500 ms
Sample Rate	2 ms
Start Of Data	50 ms before FTB
Low Cut Filter	3 Hz / 6dB
Hi Cut Filter	200 Hz @ 370 dB / Octave
Tape Format	Demux. SEG D rev 1, 8058
Tape Brand	Imation BlackWatch 3590 10Gb
Polarity	First Break is Negative
Shot Point Interval	18.75m

### Source Parameters

Array Volume	3440 cubic inches
Operating Pressure	2000 psi +/- 10%
Array Configuration	2 Strings
Array Numbering	Stbd to Port / 1 to 2
Array Separation	7m
Source Depth	6 m +/- 1m
Center Source to Nav Mast	173m
Comment	

### Auxiliary Channels

Aux1	System St	Aux4:	Aux7:
Aux2	FTB	Aux5: WB S1	Aux8:
Aux3	450 ms de	Aux6:	Aux9:

### Auxiliary Hydrophone Channels

Stbd Outer	Array 1	Port Inner	Array 3
Aux13:	Fwd	Aux19:	Fwd
Aux14:	Mid	Aux20:	Mid
Aux15:	Aft	Aux21:	Aft
Stbd Inner	Array 2	Port Outer	Array 4
Aux16:	NA	Aux22:	NA
Aux17:	NA	Aux23:	NA
Aux18:	NA	Aux24:	NA

### Streamer Parameters

Number of Streamers	1
Streamer Length	6000m
Number Channels	480
Group Interval	12.5 m
Operating Depth	7 m +/- 1m
Crossline offset	NA
Offset CSCNG (inline)	78m (Centre of source to centre of near group)

### Sequence breakdown

Start End Status Comment

### Channels as recorded

AuxChannels: A1-A24	
Streamer1: 1-480	Streamer4:
Streamer2:	Streamer5:
Streamer3:	Streamer6:

**Line Comments**

SOL Swell Noise visible affecting < 3% of traces => 25µB  
SOL - EOL Random, frequent, single trace cable strikes evident at 30-60µB level possible fish strikes.  
SP 1278 Swell Noise increasing affecting < 7% of traces => 25µB

**Bad Channels**

Trace 83 reversed polarity  
Ch 226 fails cut-off

***Line Status: Complete***

<i>GMT</i>	<i>Tape</i>	<i>Drive</i>	<i>File</i>	<i>SP</i>	<i>Event</i>	<i>Remarks</i>
04:39					SoftStart	
	35	1/2	979-980		BOT	Noise records
05:07			981-1000	981-1000	FSP	Nav run in's
05:10			1001	1001	SOL	FCSP
			1060	1060	GUN	Depth error string 2 cluster 3, 7.1m
			1071	1071	GUN	Depth error string 1 clusters 5 and 6, 4.9m
			1140	1140	GUN	Depth error string 1 clusters 5 and 6, 4.9m
			1215	1215	GUN	Depth error string 1 clusters 5 and 6, 4.9m
06:42			1700	1700	EOL	LCSP
	35	1/2	1701		EOT	Noise file

**Abbreviations Used**

SOL = Start of Line	BOT = Beginning of Tape	FGSP = First Good Shotpoint	FFFSP = First Full Fold Shotpoint	NDR = No Data Recorded
EOL = End of Line	EOT = End of Tape	LGSP = Last Good Shotpoint	LFFSP = Last Full Fold Shotpoint	FCSP = First Chargeable Shotpoint
FA = Feather Angle	SI = Seismic Interference	FOLSP = First Overlap SP	LOLSP = Last Overlap Shotpoint	LCSP = Last Chargeable
NTBP = Not To Be Processed	ITB = Internal Time Break	FTB = Field Time Break		