

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

Preplotted LineName: **VGNXS07-69**
 Contractors Line Name: **VGNXS07-69-055**

Direction: **20 °**
 Date Shot: **16 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)
14:51	82	979	1001	1001	1001	1001	14:51

Swell Noise Levels
 1.2% @ 25µB

EOL Time (UTC)	EOLTape#	Last File	EOL SP	EOL File	LCSP	LCSP / LFFSP File	LCSP Time (UTC)
15:40	82	1479	1478	1478	1478	1478	15:40

0.4% @ 25µB

	Wind Speed	Swell	Streamer Feather	Filtered Noise	Bottom Speed	Water Speed	Water Depth	Streamer Depth	Source Volume Stbd. Port
SOL	22 kts WSW	2 m	10.8° Starboard	5.8 µB	5.0 kts.	4 kts.	m	7 m	1970 / 1470 cu. in
EOL	kts	m	°	3.5 µB	kts.	kts.	m	7 m	1970 / 1320 cu. in

Recording Parameters

Recording System	Sercel Seal 408XL
Record Length	8500 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	25.00m

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

1001 | 1772 | Prime | VGNXS07

Channels as recorded

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

Line Comments

From SOL: Slightly low gun array air pressure at 1880 psi (spec allows 1755-2145psi).
SP 1159 - Gun 2-4 disabled (150cu.in). Total array vol = 3290cu.in
SOL - SP 1230: Numerous random single trace cable strikes d/t fish/debris (30-60µB)
Line aborted d/t air leak on gun array 2.

Bad Channels

Trace 83 reversed polarity.
Ch. 226 fails cut-off.

Line Status: NTBP

<i>GMT</i>	<i>Tape</i>	<i>Drive</i>	<i>File</i>	<i>SP</i>	<i>Event</i>	<i>Remarks</i>
13:47					SoftStart	
	82	1/2	979-980		BOT	Noise records
14:18			981-1000	981-1000	FSP	Nav run-in's
14:51			1001	1001	SOL	FCSP
			1107	1107	GUN	Gun 2-4 No Fire
			1108	1108	GUN	Gun 2-4 No Fire
			1109	1109	GUN	Gun 2-4 No Fire
			1110	1110	GUN	Gun 2-4 No Fire
			1111	1111	GUN	Gun 2-4 No Fire
			1112	1112	GUN	Gun 2-4 No Fire
			1113	1113	GUN	Gun 2-4 Delta error = 2.4 ms
			1131	1131	GUN	Gun 2-4 Delta error = 2.6 ms
			1150	1150	GUN	Gun 2-4 Delta error = 11.8 ms
			1152	1152	GUN	Gun 2-4 No Fire
			1153	1153	GUN	Gun 2-4 Delta error = 13.1 ms
			1158	1158	GUN	Gun 2-4 Delta error = 10.7 ms
			1159	1159	GUN	Gun 2-4 Disabled, New Array Volume 3290 cu.in
15:40			1478	1478	EOL	Line aborted d/t air leak
	82	1/2	1479		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		