



Borehole Seismic Survey
Field Report

VSP check shot

Prepared by

Baker Atlas

for

Apache Energy Limited

Madfish-1

Australia

Survey report

Survey date	12 December 2008
Job reference	
Type of service	VSP check shot
Country	Australia
Oilfield	
Well location east	632,558,000 E
Well location north	5,720,196.000 S
Rig name	Ocean Patriot
Rig heading	230 degrees
Datum description	AHD
Seismic datum elevation	21.5 m above AHD
Well reference level	RT
Reference level elevation	0.0 m above AHD
Water velocity	1500.0 m/s
Total Depth	4720 m
Well deviation	27.5 Deg
Casing details	762mm @ 460.6m , 340mm @ 1546.3m
Liner details	N/A
Wireline contractor	Baker Atlas
Observer	Dhyaanesh/Raymond Leong
Client representative	Greg Fawns / Justin Eastwood
Tool system	ANALOG
Controller type	DAQ
Sample interval	1000 us
Tool system zeroed at	Top Receiver
Gamma tool	GRT3
Gamma tool depth offset	30.8 m
Sinker weight	NA
Cable adapters	NA
Additional equipment	NA

Receiver report

Tool 1

Type	ESR
Sensor pack	GIMBAL
Serial number	001
Depth offset from zero	0.00 m
Arm	Extended

Tool 2

Type	ESR
Sensor pack	GIMBAL
Serial number	002
Depth offset from zero	-30.00 m
Arm	Extended

Sensor polarity as supplied by Avalon Sciences.

Channel report

Channel allocation			Sensor description	Scaling applied
1	Tool 1	VZ	SMC1850-VRT-10Hz	1.000
2	Tool 1	HX	SMC1850-HOR-10Hz	1.000
3	Tool 1	HY	SMC1850-HOR-10Hz	1.000
4	Tool 2	VZ	SMC1850-VRT-10Hz	1.000
5	Tool 2	HX	SMC1850-HOR-10Hz	1.000
6	Tool 2	HY	SMC1850-HOR-10Hz	1.000
7	Reference	Hydrophone		1.000
8	Auxiliary	Time break		1.000

Source 1 report

MARINE

Observer	Raymond Leong
Source	2 x 250 Cu In G-Gun
SCX (Easting)	-8.7 m
SCY (Northing)	-49.2 m
Source control system	Hot-shot
External delay	0.0 ms
Air supply	2 x 11CFM Bauer Compressors/Bottle
Airgun pressure	1900 psi
Fire control	RELAY A
Source reference channel	7
Record data length	6000 samples
QC data length	5000 samples
Source reference elevation (SRE)	at AHD
Source depth below SRE	5.0 m
Monitor	MP8D below source
Monitor distance from source	4.0 m
Water depth	392.6 m