

SEMI-SUBMERSIBLE FINAL SURFACE POSITIONING NOTICE

Ocean Patriot Final Surface Position at Elver-1

To: **Apache Energy Limited**
Level 3
256 St Georges Terrace
Perth WA 6000

From: **Neptune Geomatics**
Job No.: **8A324**
Signed:



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Surveyor

Date: **20 December 2008**

Attn.: **Apache Company Man**

Onboard Ocean Patriot

Copy: **Ocean Patriot OIM**

Onboard Ocean Patriot

A. DGPS Surface Position of the Ocean Patriot Drill Stem

The final surface position of the Ocean Patriot Drill Stem at the Elver-1 Location was computed from Veripos Standard Differential GPS data recorded between 1703 and 1803 on 20 December 2008. The GPS data were recorded at Ocean Patriot drilling draft immediately after spudding the well. The following results were computed:

Final Elver-1 Location Differential GPS Surface Position of the Ocean Patriot Drill Stem

Datum: Geocentric Datum of Australia 1994 (GDA94)

Latitude: 38° 43' 09.133" South

Longitude: 148° 30' 41.316" East

Projection: Map Grid of Australia (MGA) Zone 55 C.M. 147° East

Easting: 631 400.50m

Northing: 5 713 298.68m

The final Elver-1 location Differential GPS surface position of the Ocean Patriot drill stem is 1.60m on a bearing of 166.8° (True) from the intended Elver-1 location.

The final Rig Heading is 235.3° True.

Note: The following 7-parameter datum transformation was used to convert ITRF2000 coordinates to GDA94 coordinates (Epoch 2008.5):

Dx	=	+0.017 40m
Dy	=	-0.048 35m
Dz	=	-0.103 50m
Rx	=	+0.017 554"
Ry	=	+0.015 065"
Rz	=	+0.018 157"
Scale	=	+0.003 362 p.p.m.

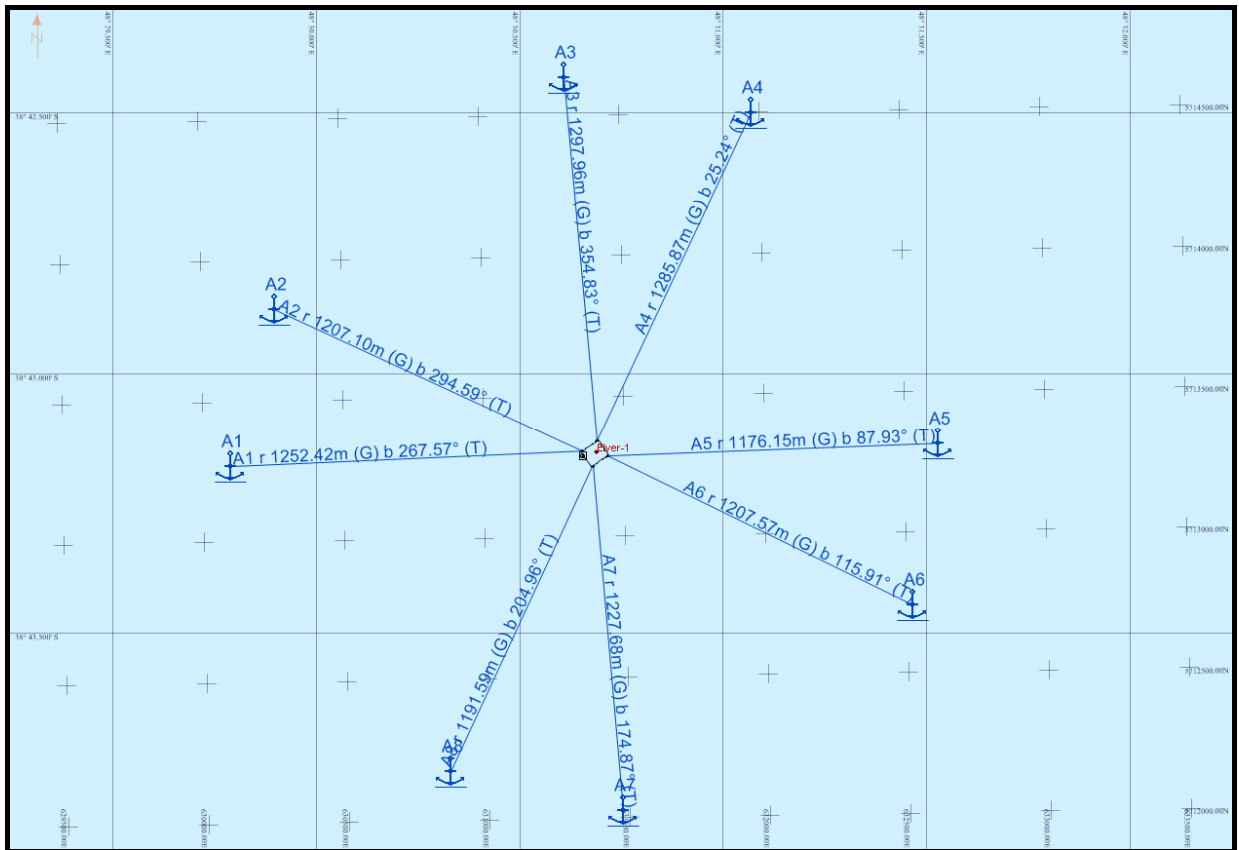
B. Ocean Patriot Anchor Positions

The final anchor positions corrected for catenary are as follows:

Datum: GDA94, Projection: MGA Zone 55, CM 147° East.

Anchor	Easting	Northing	Length(m)	Brg	Chain Out(m)	Depth(m)	Tension(t)
1	630095	5713271	1253	267.6	1411	495	191
2	630260	5713825	1208	294.6	1356	466	181
3	631306	5714635	1299	354.8	1411	420	213
4	631972	5714496	1286	025.2	1445	485	180
5	632618	5713309	1176	087.9	1383	540	160
6	632517	5712739	1207	115.9	1411	570	186
7	631477	5712025	1227	174.9	1421	590	218
8	630864	5712176	1191	205.0	1397	580	192

NB: Catenary calculations performed in WINCAT with most up to date chain out and tension values



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 Surveyor
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