SeaBird Exploration

M/V Aquila Explorer

OBSERVERS LOG

SEQ# 030

Line status: COMPLETE

Client:	DPI	**Prospect:**	Southern Flank 2D	**Line No:**	DPISF-053-P1030
Party Chief:	Alexander (Ben) Dyton	**Observers:**	12:00-00:00 YT GG; 00:00-12:00 IG OG	**Date:**	4-Mar-10

Recording Parameters

System:	Sercel Seal
Filter Delay	0mS
Sample rate:	2mS
Digital Lo cut filter:	Combined 4.3 Hz@12db/oct.
Digital High cut filter:	200Hz@370dB/Oct .8N MIN
No. Channels:	408 seismic (+ 36 Aux)
Record Length:	5.632 Second
System Start	Aux 1
Water break	Aux 2
Time break	Aux 3
Fire Out	Aux 4
String 1	Aux 6-12
String 2	Aux 20-26

Recording Details

Media	IBM 3592
Capacity	60 GB type Economy
Format	SEGD format (rev1)

Streamer

Manufacturer:	Sercel
Hydrophone type:	Sercel Flexible (SFH)
'phones / group:	8
'phone spacing:	Even
Group length:	12.95 m
Group interval:	12.50 m
Sensitivity:	19.73 V / Bar
Active length:	5100m
Depth:	8 m

Line statistics

	Time	File	SP
FSP	11:07	981	981
FGSP	11:09	1001	1001
FCSP	11:09	1001	1001
LFFSP	19:09	5057	5057
LGSP	19:25	5192	5193
LSP	19:25	5194	5195

Line comments

Heading	44.4°	
	SOL	EOL
Feather	-5.6°	9.4°
RMS Noise, µB	3.7	13.3
Source Vol	2360	2360
Pressure	2028	2017
Wind, kt	NE 10	NE 30
Swell, m	1.5	3
Swell Dir	N	NE
Tape	32	32

Source

Depth 6 m

Type:	Bolt 1900LLX
No. of guns:	22 (incl. 2 spares)
Total volume:	2360
Gun arrays:	1
Sub arrays:	2
Gun / sub array:	11 (incl. 1 spare)
Pressure:	2000 psi

Shot interval 18.75

Navigation

Manufacturer		C&C Tecnologies, USA	
System	C-Nav	RTCM	C-Nav
GPS	C-Nav	RGPS	Buoylink
Fathometer		Kongsberg EA600	
Gyro		TSS Meridian Surveyor	

Traces

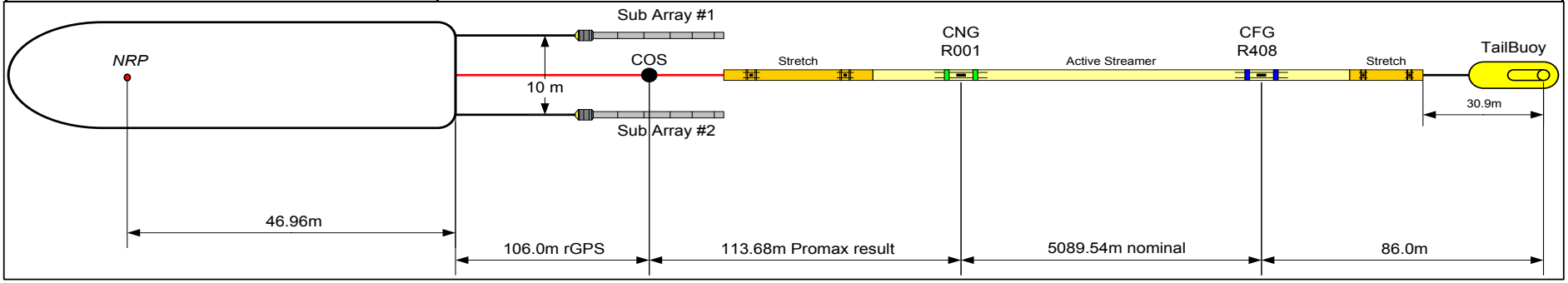
	Noisy	Weak	Dead	Comments
Aux. Ch's	8, 10, 11, 12			
Channel No.	393			

Delta errors 1.00 mS @ SP

Misfires @ SP 5059 lost shot

Autofires @ SP

Other Only true errors will be logged. Ignore any other errors from Gunlink



Client:	DPI	Prospect:	Southern Flank 2D	Line No:	DPISF-053-P1030
Line Details				Date:	04 Mar 10

Time	SP	File	Reel	Error	Comments	RMS Noise	W/Depth	Feather
UTC						µB	m	°
10:26					**Gun Arrays Soft Start.**			
11:01					**Soft Start Complete.**			
		979	**32**		**BOT**, Noise Test	3.8		
		980			Noise Test	3.7		
11:07	**981**	**981**			**FSP**			
11:09	**1001**	**1001**			**FGSP, FCSP, SOL**		**44.7**	**-5.6°**
	3981	3981			FA >10°			10.1°
	3994	3994			Random swell noise up to 3% traces, levels >25µB			
	4090	4090			Random swell noise up to 8% traces, levels >25µB			
	4239	4239			Random swell noise up to 15% traces, levels >25µB			
	4268	4268			FA >15°			15.1°
	4273	4273			FA max			15.2°
	4594	4594			FA<10°			9.8°
	4870	4870			From SP 4870 to 4897, Noise affecting Ch's 400-407 d/t tail buoy capsided			
	4979	4979			FA>10°			10.1°
	5041	5041			FA Max			10.6°
19:09	**5057**	**5057**			**LFFSP**		**448.8**	**10.3°**
	5060	5059			Lost SP, didn't receive signal from Nav. From this SP mismatch between SPs and files.			
	5107	5106			FA <10°			**9.9°**
	5179	5178			Random swell noise up to 25% traces, levels >25µB			
19:25	**5193**	**5192**			**LGSP**		**572.6**	**9.4°**
19:25	**5195**	**5194**			**LSP. EOL**			
		5195			Noise Test	13.3		
		5196	**32**		Noise Test, **EOT**	14.8		
				☑	Cross checked with Navigation			
					LINE COMPLETE			