



Santos

(Original on file)
(Sealed survey)

Jarver-1 09/00811

CAB
CC

Santos Ltd

End-of-well report

Jarver-1

1/9/08





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TOTAL MARINE TECHNOLOGY.PTY. LTD.

A.B.N. 70 086 117 660

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66 Miguel Road, Bibra Lake WA 6163
Telephone: (08) 9411 6500
Facsimile: (08) 9411 6522
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Paul Nardone
Santos Ltd
Level 28, Forrest Centre
221 St Georges Terrace
PERTH WA 6000

4/9/08

Dear Sir,

RE: End of Well Report for Jarver-1

We are pleased to hand-over our close-out report for your drilling programme of Jarver-1.

~~This file contains our weekly reports, dive logs and accompanying media containing well highlights and seabed survey.~~

In addition, we have included a handover sheet and a client appraisal form, which we would appreciate if you could complete and return it.

We would like to thank Santos Ltd for including us in their drilling team during this campaign and we look forward to assisting you in the future.

Kind regards,

pp. Denise.

Paul Colley
Operations Manager
Total Marine Technology Pty Ltd



Occupational
Health
and Safety



Quality
System
Endorsed
Company



Certified
Environmental
Management

	Quality Management System	
	TMT-QMS-001	Rev: 2.1
		Reviewed Date: 08/05/2008

9.1 Customer Comment Form

TMT's objective is to be the best ROV Operator in the Asia Pacific Region. To achieve this we require customer feedback to ensure our services are meeting customer expectations. This form is to be issued upon completion of each contract.

Customer Rep: _____ Company: _____
 Location: _____ Rig/Vessel: _____

<u>Offshore Support</u>	Needs improvement	Satisfactory	Good	Very Good	Excellent
Overall equipment presentation?	<input type="checkbox"/>				
Overall equipment suitability?	<input type="checkbox"/>				
HSEQ performance?	<input type="checkbox"/>				
Responsiveness of crew to customer issues?	<input type="checkbox"/>				
Crew attitude and professionalism?	<input type="checkbox"/>				
Quality of site paperwork and videos?	<input type="checkbox"/>				

Comments: _____

<u>Onshore Support</u>	Needs improvement	Satisfactory	Good	Very Good	Excellent
Job Preparation?	<input type="checkbox"/>				
Crew Change Notifications?	<input type="checkbox"/>				
Spare parts?	<input type="checkbox"/>				
Responsiveness of Management to customer issues?	<input type="checkbox"/>				

Comments: _____

Overall level of service satisfaction: _____

Name: _____ Signature: _____
 Date: _____



TOTAL MARINE TECHNOLOGY

A.B.N. 70 086 117 660

1 Ambitious Link, Bibra Lake, Western Australia 6163

PO Box 3054, Success, Western Australia 6964

Telephone: (08) 9411 6500

Facsimile: (08) 9411 6522

International: + 61 8 9411 6500

Email: reception@tmtrov.com.au

Well Reference: Jarver-1

Date: 4/9/08

Please find the enclosed:

1 x "Well Highlights – Disc 1 of 1" DVD for Jarver-1

1 x "Seabed Surveys – Disc 1 of 1" DVD for Jarver-1

Received By: _____
Print Name

Signature

Please sign and return one copy to Denise DANKS at Total Marine Technology at the above address or fax number.

Thank you.



WEEKLY REPORT

CLIENT: <p style="text-align: center;">SANTOS</p>	WELL LOCATION: <p style="text-align: center;">JARVER - 1</p>	CONTRACT NO:	
MODU/ESSEL: <p style="text-align: center;">OCEAN PATRIOT</p>	ROV SYSTEM: <p style="text-align: center;">Nomad 6</p>	WEEK ENDING: <p style="text-align: center;">17/06/2008</p>	PAGE <p style="text-align: center;">1 OF 1</p>
FIRST ANCHOR DOWN: Date: 13/05/08 Time: 19:45		LAST ANCHOR UP: Date: 15/06/08 Time: 20:30	
T.G.B. / P.G.B Chain Interface		Link 1 2 3 4 (Circle if done) Date: / /	

DATE:	SYSTEM ACTIVITY LOG	DIVE LOG SUMMARY	DAILY DIVE
11/06/08	Dive 1490 , Maintenance	1490 Cont.	13:15
12/06/08	Planned Maintenance, End of Well Admin		
13/06/08	Planned Maintenance, End of Well Admin		
14/06/08	Planned Maintenance		
15/06/08	Planned Maintenance, on Tow		
16/06/08	On Tow, maintenance & housekeeping		
17/06/08	On Tow, maintenance & housekeeping		
DIVE-OPERATIONS-TOTAL			13:15

ROV CREW NAME	POSITION	TRAVEL	DATE ON	DATE OFF	D on B	SIGN
Bob Cawthorn	SPV	22/05/08	23/05/08	11/06/08	20	
Ken Gabriel	SPV	10/06/08	11/06/08		7	
David Berrell	PT	03/06/08	04/06/08		14	
Steve Gunnis	PT	03/06/08	04/06/08		14	
Paul Kirkwood	N/SPV	05/06/08	06/06/08		12	
Stewart Todd	PT	05/06/08	06/06/08		12	
Jon Reid	PT		06/06/08		12	

OTHER EQUIPMENT ON HIRE	DAYS
PH Probe	7
Temperature Gauge	7
Guidewire Cutter	7
Mega Digger	7

CONSUMABLES	

SUPERVISOR SIGNATURE: 	CLIENT SIGNATURE: 	OPERATIONS SIGNATURE:
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WEEKLY REPORT

CLIENT: <p style="text-align: center;">SANTOS</p>	WELL LOCATION: <p style="text-align: center;">JARVER - 1</p>	CONTRACT NO:	
MODU/VESSEL: <p style="text-align: center;">OCEAN PATRIOT</p>	ROV SYSTEM: <p style="text-align: center;">Nomad 6</p>	WEEK ENDING: <p style="text-align: center;">10/06/2008</p>	PAGE <p style="text-align: center;">1 OF 1</p>
FIRST ANCHOR DOWN: Date: 13/05/08 #5 @19:45 Hrs		LAST ANCHOR UP: Date: Time:	
T.G.B. / P.G.B Chain Interface		Link 1 2 3 4 (Circle if done) Date: / /	

DATE:	SYSTEM ACTIVITY LOG	DIVE LOG SUMMARY	DAILY DIVE HOURS
04/06/08	Check bullseyes. Serpent program. Crew change	1483	2:00
05/06/08	Check bullseyes. Serpent program. Maintenance	1484	1:45
06/06/08	Check bullseyes. Upman crew onboard. Maintenance	1485	2:15
07/06/08	Check bullseyes. Maintenance. Housekeeping	1486	2:00
08/06/08	Check bullseyes. Maintenance. Standby at BOP to unlatch	1487,1488	11:00
09/06/08	Check bullseyes. Unlatch BOP. Megger Digger	1488,1489	22:00
10/06/08	Megger digger, Cut Casing, recover TGB & PGB. Seabed Survey	1489,1490	21:15
	DIVE-OPERATIONS-TOTAL		62:15

ROV CREW NAME	POSITION	TRAVEL	DATE ON	DATE OFF	D on B	SIGN
Bob Cawthorn	SPV	22/05/08	23/05/08		19	<i>Bob Cawthorn</i>
Peter Gilbert	PT	05/06/08	06/05/08	04/06/08	30	<i>Peter Gilbert</i>
Jon Reid	PT	09/05/08	10/05/08	04/06/08	25	<i>Jon Reid</i>
David Berrell	PT	03/06/08	04/06/08		7	<i>David Berrell</i>
Steve Gunnis	PT	03/06/08	04/06/08		7	<i>Steve Gunnis</i>
Paul Kirkwood	N/SPV	05/06/08	06/06/08		5	<i>Paul Kirkwood</i>
Stewart Todd	PT	05/06/08	06/06/08		5	<i>Stewart Todd</i>
Jon Reid	PT		06/06/08		5	<i>Jon Reid</i>
Ken Gabriel	SPV	10/06/08			0	

OTHER EQUIPMENT ON HIRE	DAYS
PH Probe	7
Temperature Gauge	7
Guidewire Cutter	7
Mega Digger	7

CONSUMABLES	
1 roll x Denzo Tape	2 roll x 3M Amalgamating Tape
1 pkt x Cable Ties (200mm)	2 roll x Silver PVC Ducting Tape
10 Lt x Hydraulic Oil	2 pr x Leather Gloves
5 Lt x Electrical Oil	6 pr x Cotton Polka Dot Gloves
0.25 x Bag of Rags	

SUPERVISOR SIGNATURE: <i>Bob Cawthorn</i>	CLIENT SIGNATURE: <i>[Signature]</i>	OPERATIONS SIGNATURE:
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WEEKLY REPORT

CLIENT: SANTOS	WELL LOCATION: JARVER - 1	CONTRACT NO:	
MODU/VESSEL: OCEAN PATRIOT	ROV SYSTEM: Nomad 6	WEEK ENDING: 03/06/2008	PAGE 1 OF 1
FIRST ANCHOR DOWN: Date: 13/05/08 #5 @ 19:45 Hrs		LAST ANCHOR UP: Date: Time:	
T.G.B. / P.G.B Chain Interface Link 1 2 3 4 (Circle if done) Date: / /			

DATE:	SYSTEM ACTIVITY LOG	DIVE LOG SUMMARY	DAILY DIVE HOURS
01/06/08	Check bullseyes. Serpent program. Maintenance	1478	9:00
02/06/08	Check bullseyes. Serpent program. Assist with rig stores	1479 -1480	6:45
03/06/08	Check bullseyes. Serpent program. Maintenance	1481-1482	5:45
DIVE OPERATIONS-TOTAL			21:30

ROV CREW NAME	POSITION	TRAVEL	DATE ON	DATE OFF	D on B	SIGN
Bob Cawthorn	SPV	22/05/08	23/05/08		12	<i>R Cawthorn</i>
Peter Gilbert	PT	05/06/08	06/05/08		29	<i>P Gilbert</i>
Jon Reid	PT	09/05/08	10/05/08		25	<i>J Reid</i>
David Berrell	PT	03/06/08			0	
Steve Gunnis	PT	03/06/08			0	

OTHER EQUIPMENT ON HIRE	DAYS
PH probe	3
Temperature gauge	3
Guide wire cutter	3
Mega dredger	3

CONSUMABLES	
1 pkt small cable ties	
2 litres elect oil	
3 litres hyd oil	

SUPERVISOR SIGNATURE: <i>R Cawthorn</i>	CLIENT SIGNATURE: <i>[Signature]</i>	OPERATIONS SIGNATURE:
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WEEKLY REPORT

CLIENT: SANTOS	WELL LOCATION: JARVER - 1	CONTRACT NO:	
MODU/VESSEL: OCEAN PATRIOT	ROV SYSTEM: Nomad 6	WEEK ENDING: 31/05/2008	PAGE 1 OF 1
FIRST ANCHOR DOWN: Date: 13/05/08 #5 @19:45 Hrs		LAST ANCHOR UP: Date: Time:	
T.G.B. / P.G.B Chain Interface		Link 1 2 3 4 (Circle if done)	Date: / /

DATE:	SYSTEM ACTIVITY LOG	DIVE LOG SUMMARY	DAILY DIVE HOURS
28/05/08	Check bullseyes and move rig. Planned Maintenance.	1474	02:30
29/05/08	Check bullseyes and take seabed sample. PMS	1475	01:45
30/05/08	Check bullseyes and take seabed sample. PMS	1476	01:45
31/05/08	Check bullseyes and SERPENT program. PMS	1477	03:45
DIVE OPERATIONS TOTAL			09:45

ROV CREW NAME	POSITION	TRAVEL	DATE ON	DATE OFF	D on B	SIGN
Bob Cawthorn	SPV	22/05/08	23/05/08		9	<i>Bob Cawthorn</i>
Peter Gilbert	PT	05/06/08	06/05/08		26	<i>Peter Gilbert</i>
Jon Reid	PT	09/05/08	10/05/08		22	<i>Jon Reid</i>

OTHER EQUIPMENT ON HIRE	DAYS
PH probe	4
Temperature gauge	4
Guide wire cutter	4
Mega dredger	4

CONSUMABLES	
1 x box latex gloves.	

SUPERVISOR SIGNATURE: <i>R Cawthorn</i>	CLIENT SIGNATURE: <i>[Signature]</i>	OPERATIONS SIGNATURE:
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WEEKLY REPORT

CLIENT: SANTOS		WELL LOCATION: JARVER - 1		CONTRACT NO:	
MODU/VESSEL: OCEAN PATRIOT		ROV SYSTEM: Nomad 6	WEEK ENDING: 27/05/2008		PAGE 1 OF 1
FIRST ANCHOR DOWN: Date: 13/05/08 #5 @19:45 Hrs			LAST ANCHOR UP: Date: Time:		
T.G.B. / P.G.B Chain Interface		Link 1 2 3 4 (Circle if done)		Date: / /	

DATE:	SYSTEM ACTIVITY LOG	DIVE LOG SUMMARY	DAILY DIVE HOURS
21/05/08	RIH 20" Casing. Maintenance and housekeeping. WOW.	1468	24:00
22/05/08	RIH and cement 20" Casing	1468 - 1469	22:50
23/05/08	Mega dredger, fit VX Gasket & Debris Cap. Stby for landing BOP	1469 - 1471	20:45
24/05/08	Land and latch BOP. Bullseye checks.	1471	24:00
25/05/08	BOP tests. Bullseye checks. Help run rig camera.	1471	12:00
26/05/08	Check bullseyes. Maintenance and housekeeping	1472	01:30
27/05/08	Check and monitor bullseyes while moving rig	1473	04:15
DIVE OPERATIONS TOTAL			109:20

ROV CREW NAME	POSITION	TRAVEL	DATE ON	DATE OFF	D on B	SIGN
Bob Cawthorn	SPV	22/05/08	23/05/08		5	<i>R. Cawthorn</i>
Andrew Karszniewicz	SPV	14/05/08	15/05/08	23/05/08	9	
Shaik Rooney	SPV	24/04/08	26/04/08	26/05/08	32	
Paul Kirkwood	PT	24/04/08	26/04/08	26/05/08	32	
David Berrell	PT	30/04/08	01/05/06	26/05/08	26	
Peter Gilbert	PT	05/06/08	06/05/08		22	<i>P. Gilbert</i>
Jon Reid	PT	09/05/08	10/05/08		18	

OTHER EQUIPMENT ON HIRE	DAYS
PH probe	7
Temperature gauge	7
Guide wire cutter	7
Mega dredger	7

CONSUMABLES		
1 x Ferrite core U25 13mm	4 x Ferrite core U16 8mm	4 x 12V globes for pilot console
4 x DVD-R		

SUPERVISOR SIGNATURE: <i>R. Cawthorn</i>	CLIENT SIGNATURE: <i>PP DV</i>	OPERATIONS SIGNATURE:
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WEEKLY REPORT

CLIENT: <p style="text-align: center;">SANTOS</p>	WELL LOCATION: <p style="text-align: center;">JARVER - 1</p>	CONTRACT NO:	
MODU/ESSEL: <p style="text-align: center;">OCEAN PATRIOT</p>	ROV SYSTEM: <p style="text-align: center;">Nomad 6</p>	WEEK ENDING: <p style="text-align: center;">20/05/2008</p>	PAGE <p style="text-align: center;">1 OF 1</p>
FIRST ANCHOR DOWN: Date: 13/05/08 #5 @ 19:45 Hrs		LAST ANCHOR UP: Date: Time:	
T.G.B. / P.G.B Chain Interface Link 1 2 3 4 (Circle if done) Date: / /			

DATE:	SYSTEM ACTIVITY LOG	DIVE LOG SUMMARY	DAILY DIVE HOURS
13/05/08	Spud-in preparations, PM's Tooling checks		
14/05/08	Spud-in preparations, PM's Tooling checks, Dive – Seabed survey	1464	5:30
15/05/08	PM's Tooling checks, Dive – Temperature check; Seabed 8.1 ° C	1465 -1466	03:54
16/05/08	Running TGB. Cut GW#4. Spud well. WOW. Housekeeping.	1466 -1467	23:46
17/05/08	Running 30" casing. Landing PGB. Cementing & WOW. Maintenance.	1467 - 1468	22:30
18/05/08	Drilling 26" section. WOW. Housekeeping & maintenance.	1468	24:00
19/05/08	Drilling 26" section. WOW. Housekeeping & maintenance. TD.	1468	24:00
20/05/08	Cleaning PGB. WOW. Housekeeping & maintenance	1468	
	As of 1600hrs 13/05/08 ANZON hand over to SANTOS		
DIVE OPERATIONS TOTAL			

ROV CREW NAME	POSITION	TRAVEL	DATE ON	DATE OFF	D on B	SIGN
Dirk van de Velde	SPV	21/04/08	22/04/08	15/05/08	24	
Andrew Karszniewicz	SPV	14/05/08	15/05/08		6	
Shaik Rooney	SPV	24/04/08	26/04/08		26	
Paul Kirkwood	PT	24/04/08	26/04/08		26	
David Berrel	PT	30/04/08	01/05/06		20	
Peter Gilbert	PT	05/06/08	06/05/08		15	
Jonathon Reid	PT	09/05/08	10/05/08		11	

OTHER EQUIPMENT ON HIRE	DAYS
PH probe	7
Temperature gauge	7
Guide wire cutter	7
Mega digger	7

CONSUMABLES		
1 roll x Denso tape	0.25 x Bag of Rags	1 roll x 3M Scotch23 Tape
2 roll x Silver PVC Ducting Tape	2 x BNC Bullet Connectors	4 l x Hydraulic Oil
10 pr x Leather gloves	4 x BNC Connectors	5 l x Electrical Oil

SUPERVISOR SIGNATURE: 	CLIENT SIGNATURE: 	OPERATIONS SIGNATURE:
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ROV DIVE LOG

CLIENT: SANTOS	WELL / LOCATION: Jarver - 1	MODU / VESSEL: OCEAN PATRIOT	DATE: 10-11/06/08	PAGE 2 of 2
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VEHICLE: Nomad 6	VISIBILITY: 1M-10M	SEA STATE: Moderate	CURRENT: 1 knot
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DIVE NO: 1490	TASK: Recover PGB, TGB, Seabed Survey.
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TIME	DESCRIPTION
11/06/08	Dive 1490 Continued
05:45	ROV @ standby on Guidepost 3, waiting on CCA
05:51	ROV ascending to CCA, view of CCA @ 538m
06:00	RCV assisting to Stab CCA into Wellhead
06:12	CCA In Wellhead
06:19	All guideropes cut
06:25	CCA fully RIH
06:28	Assembly turning, Casing cutting started
06:55	View of TGB chains under tension, PGB has come up
06:57	CCA ceased rotating
07:00	Informed by Drillfloor, 'taking overpull'
07:01	View of Guidebase lifted clear of seabed
07:06	View of all TGB chains attached to PGB
07:16	View of Casing Cutter 'spear' below TGB
07:23	ROV @ standby on seabed, 40m AFT of 'Open Hole'
09:58	ROV @ 'Open Hole'
11:59	Commence seabed survey visual. Range minimum 50m in each cardinal point Hdg 045°, View clean seabed, various shell life, nil debris or anomalies seen. Hdg 135°, View clean seabed, various shell life, nil debris or anomalies seen. Hdg 315°, View clean seabed, various shell life, nil debris or anomalies seen. Hdg 225°, View clean seabed, various shell life, nil debris or anomalies seen. Seabed devoid of debris. Seabed Marine life evident, such as star fish and sea anemone.
12:39	Start recovery of ROV
13:15	ROV On Deck
	Duration of Dive: 23 hrs 45 min
	ROV SUPERVISOR SIGNATURE:
	CLIENT SIGNATURE:



ROV DIVE LOG

CLIENT: SANTOS	WELL / LOCATION: Jarver - 1	MODU / VESSEL: OCEAN PATRIOT	DATE: 10-11/06/08	PAGE 1 of 2
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VEHICLE: Nomad 6	VISIBILITY: 1M-10M	SEA STATE: Moderate	CURRENT: 1 knot
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DIVE NO: 1490	TASK: Recover PGB, TGB, Seabed Survey.
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TIME	DESCRIPTION
10/06/08	Dive 1490
13:30	ROV Off Deck
13:58	ROV @ standby on seabed, waiting on Guidewire tensioning
15:04	Guidewire 1 tensioning up
15:05	Guidewire 1 clear of Guidebase: midstroke on compensator
15:07	Guidewire 4 tensioning up
15:09	Guidewire 4 clear of Guidebase: midstroke on compensator
15:10	Guidewire 3 tensioning up
15:11	Guidewire 3 clear of Guidebase: midstroke on compensator
15:12	Guidewire 2 tensioning up
15:13	Guidewire 2 clear of Guidebase: midstroke on compensator
15:25	ROV @ standby on seabed, waiting on Casing Cutting Assembly (CCA)
18:15	ROV commences seabed sonar surveys
19:25	ROV concludes seabed sonar surveys
20:00	ROV ascending to CCA, view of CCA @ 470m outside of Guidewires
20:06	View of CCA outside of Guidewires, four guideropes attached
20:31	View of CCA @ Wellhead
20:35	ROV assisting to Stab CCA into Wellhead
20:36	CCA in Wellhead
20:40	All guideropes cut
20:47	CCA fully RIH
20:49	Assembly turning, Casing cutting started
21:44	View of Wellhead rotating
21:45	View of Wellhead and 20" Casing pulled out of PGB
21:47	Wellhead and 20" Casing pushed down into PGB
21:48	Assembly turning
21:50	Wellhead and 20" Casing pulled out of PGB, rotation stopped
21:52	Wellhead and 20" Casing POOH
21:53	Informed by Drillfloor CCA & 20" Casing ascending to surface
21:53	ROV @ standby on seabed, 40m AFT of PGB, waiting on new CCA
11/06/08	
00:15	ROV @ standby on Guidepost 3, waiting on CCA
	ROV SUPERVISOR SIGNATURE:
	CLIENT SIGNATURE:

TOTAL MARINE TECHNOLOGY

66 Miguel Road, BIBRA LAKE, WA
Tel: 08 94116500 Fax: 08 94116522
E - mail: mail@total.com.au

Seabed Surveys JARVER - 1

DVD - R (Only).....1

SANTOS Client Rep


(Chris Roots)

Date Received 14 - June - 08

ROV SEABED SURVEY



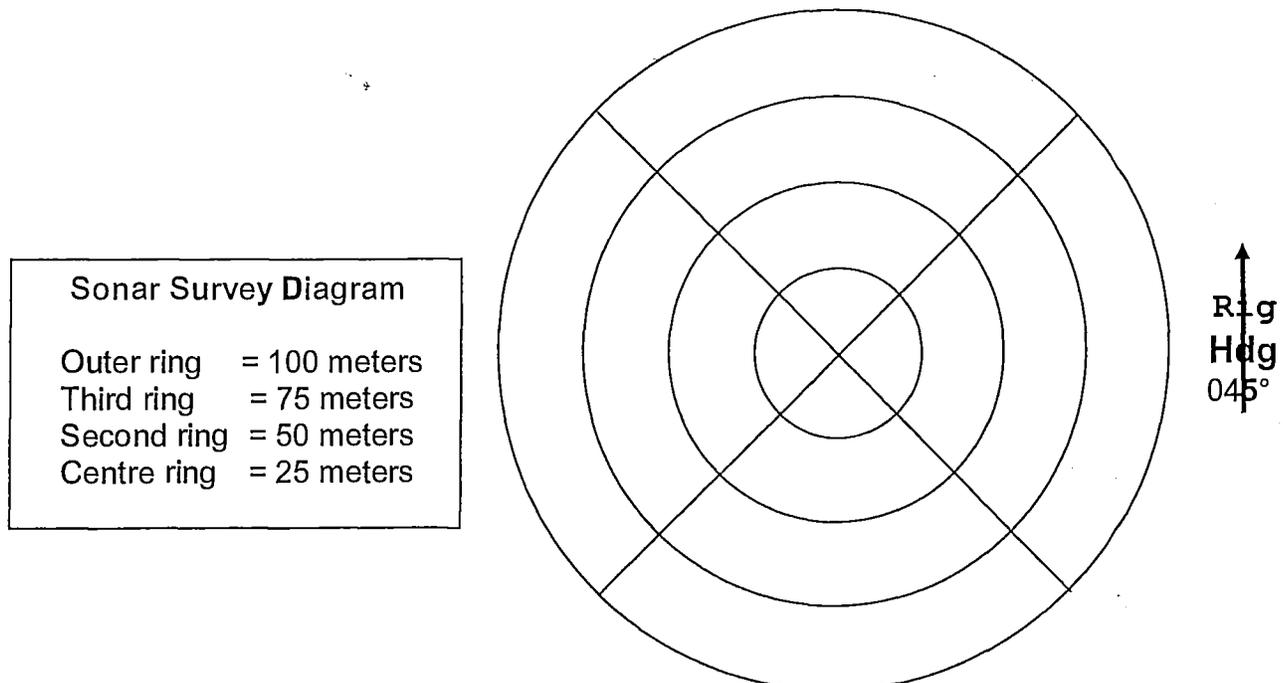
Client: SANTOS	Well / Location: Jarver - 1	Permit No.:
Vehicle: Nomad 6	Sonar: Imagenex 881A	Date: 10 & 11/06/08

All headings are taken using the well position on seabed as a starting datum.
 Visual survey is taken in 90° arc segments. Excursions are a minimum of 50 meters.

Pre Spud Survey

10/06/08; 18:20hrs-Commence Seabed sonar survey..
Hdg 045 ° Sector sweeps 180°, range 20mt, 50mt,100mts no hard targets seen
Hdg 135 ° Sector sweeps 180°, range 20mt, 50mt,100mts no hard targets seen
Hdg 225 ° Sector sweeps 180°, range 20mt, 50mt,100mts no hard targets seen
Hdg 315 ° Sector sweeps 180°, range 20mt, 50mt,100mts no hard targets seen
11/06/08; 11:59hrs-Commence seabed survey visual scan to approx 50mts minimum radius
Headings 045 °, 135 °, 225 °, 315 °. No anomalies or debris seen.
Seabed flat firm sandy bottom with thin layer of silt.
Marine life some starfishes, sea cucumbers, numerous fish/crab holes.
View linear drag marks on seabed from possible previous fishing trawlers?
12:39hrs:- End of survey

Brief sketch of any features observed during the sonar scan.



Sonar survey is done in 90° arc segments.

ROV SEABED SURVEY

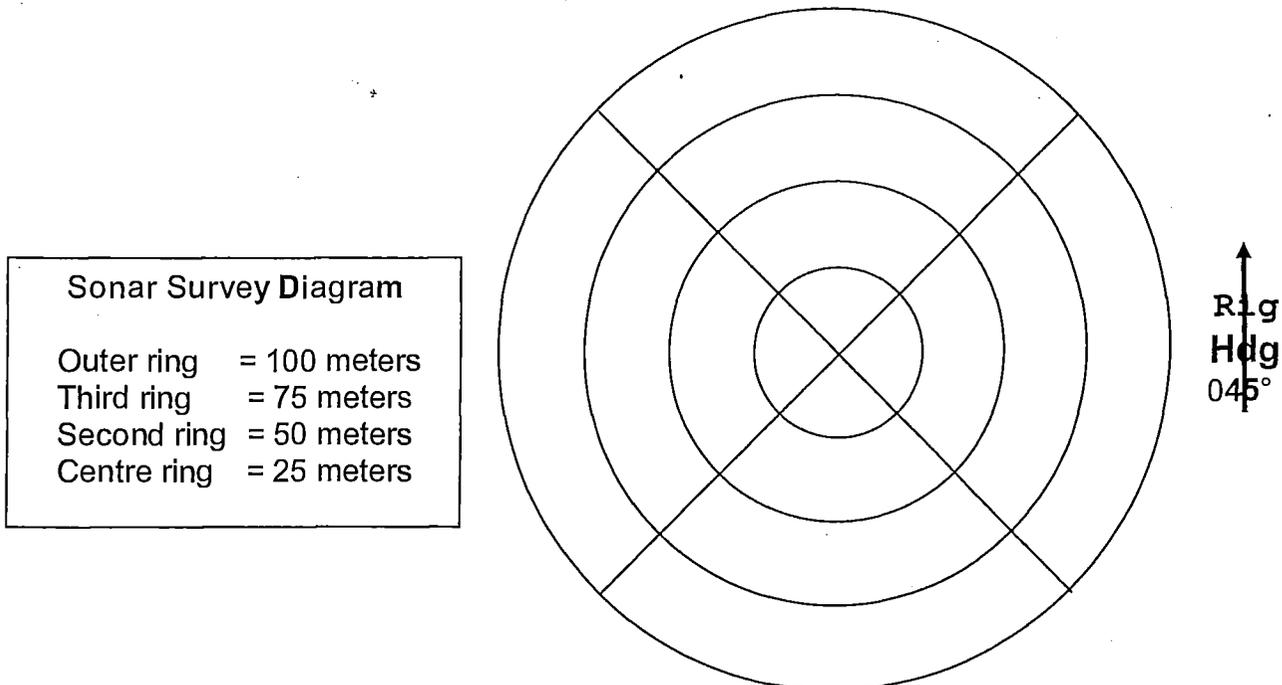


Client: SANTOS	Well / Location: Jarver - 1	Permit No.:
Vehicle: Nomad 6	Sonar: Imagenex 881A	Date: 14/05/08

All headings are taken using the well position on seabed as a starting datum.
 Visual survey is taken in 90° arc segments. Excursions are a minimum of 50 meters.
Pre Spud Survey

08:29hrs-Commence Seabed sonar survey..
Hdg 045 ° Sector sweeps 180°, range 20mt, 50mt,100mts no hard targets seen
Hdg 135 ° Sector sweeps 180°, range 20mt, 50mt,100mts no hard targets seen
Hdg 225 ° Sector sweeps 180°, range 20mt, 50mt,100mts no hard targets seen
Hdg 315 ° Sector sweeps 180°, range 20mt, 50mt,100mts no hard targets seen
08:41hrs-Commence seabed survey visual scan to approx 50mts minimum radius
Headings 045 °, 135 °, 225 °, 315 °. No anomalies or debris seen.
Seabed flat firm sandy bottom with thin layer of silt.
Marine life some starfishes, sea cucumbers, numerous fish/crab holes.
View linear drag marks on seabed from possible previous fishing trawlers?
ROV sit on seabed, do a penetration test. ROV manipulator pushed in to approx
50-75mm.
09:06hrs:- End of survey

Brief sketch of any features observed during the sonar scan.



Sonar survey is done in 90° arc segments.



DVD CHAPTER LOG
JARVER-1

CLIENT: SANTOS	WELL/LOCATION: JARVER - 1	MODU/VESSEL: OCEAN PATRIOT	DATE: May/June 2008	PAGE 1 OF 1
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Chapter	DIVE LOG No	DESCRIPTION
1	1464	Pre-Spud Seabed Survey
2	1465	Sea bed water temp 8.1° C
3	1467	ROV cuts Guidewire 4
4	1467	Land out TGB
5	1467	Post landing TGB Bullseye 2° STBD/AFT @ 180°
6	1467	Pull TGB primary release lanyard
7	1467	View of TGB dogs released
8	1467	Inspect TD mark on drill string
9	1467	POOH 36" BHA
10	1467	TGB bullseye 1.25° STBD @ 125°
11	1467	PGB bullseye pre landing 0.75° STBD/FWD @ 050°
12	1467	ROV stabs 30" Casing
13	1467	Land PGB
14	1467	PGB post landing AFT Bullseye 0.25° STBD @ 135°
15	1467	PGB post landing STBD Bullseye 0.25° STBD/FWD @ 060°
16	1467	TGB post landing 2.25° STBD/FWD @ 060°
17	1467	PGB AFT Bullseye post cement job 0.5° STBD @ 135°
18	1467	PGB-STBD-Bullseye post cement job 0.25° STBD @ 135°
19	1467	Release running tool
20	1468	Stab 26inch BHA and cut guide ropes
21	1467	POOH cement stinger
22	1467	Post cement job PGB STBD Bullseye 0.5° STBD/FWD @ 090°
23	1467	Post cement job PGB AFT Bullseye 0.5° STBD @ 130°
24	1468	Stab 20inch casing
25	1468	Land Casing and well head
26	1468	Running tool release and POOH stinger
27	1469	Mega Dig guidebase
28	1470	Deploy VX ring
29	1470	Install trash cap
30	1471	Flex Joint pre landing 0.25° STBD @ 135°
31	1471	LMRP pre landing 0.5° FWD @ 045°
32	1471	BOP pre landing 0.75° STBD/FWD @ 090°
33	1471	Land BOP
34	1471	BOP latch indicator move to latch
35	1471	Flex Joint post landing bullseye 0°
36	1471	LMRP post landing bullseye 0°
37	1471	Post landing BOP 0.25° STBD/FWD @ 090°
38	1488	Unlatch and Raise BOP
39	1488	Remove VX Ring
40	1489	View of cleaned TGB
41	1490	Stab Casing Cutter
42	1490	Cut & Remove 20" casing
43	1490	Stab 30" Casing Cutter
44	1490	Cut & Remove 30", PGB & TGB
45	1490	View of TGB clear of Seabed
46	1490	P & A Seabed Survey

SUPERVISOR SIGNATURE: _____

CLIENT'S SIGNATURE: _____