



Woodside Offshore Petroleum Pty. Ltd.

A.C.N. 008 945 097
(Incorporated in Western Australia)

No. 1 Adelaide Terrace, Perth, W.A. 6000
Box D188, G.P.O., Perth, Western Australia 6001.
Telephone: 224 4111 Cables: Woodev Perth Telex: AA92326

TRANSMITTAL

No. 01 - 62.

Dept Infrastructure, Energy & Resources
P.O. Box 56
Rusby Park 7018
TASMANIA

DATE: 7th June 2001

ATTENTION: Mr Tony Brown

The enclosed documents, listed below, are forwarded for your attention. Would you please acknowledge their receipt by signing and returning the yellow copy attached.

ITEM No.	DESCRIPTION
1	IAOC Daily Drilling Reports #'s 11 -> 28 for Thylacine. <div data-bbox="981 1467 1348 1691" style="text-align: right;"> </div> <div data-bbox="702 1624 877 1848" style="text-align: center;"> </div>

FROM: K. Lindash

RECEIVED BY: [Signature]

DATE: 14 - 06 - 01

01/01/008

THYLACINE

35

Thylacine-Drilling Thylacine-1

Carol Bacon

From: Bruce.Armour@nre.vic.gov.au
Sent: Tuesday, 29 May 2001 12:59 PM
To: Gary.Jones@woodside.com.au
Cc: cbacon@mrt.tas.gov.au; Horacio.Haag@nre.vic.gov.au;
Frank.Barker@woodside.com.au
Subject: Re: Suspension of Thylacine-1

Gary;

Could you please arrange for a report on this incident to be submitted to the Department.

The report should include your assessment of the implications for future abandonment of the well.

Regards;

Bruce Armour

Gary.Jones@woodside.com.au on 05/28/2001 05:12:08 PM

To: bruce.armour@nre.vic.gov.au
cc: Frank.Barker@woodside.com.au (bcc: Bruce Armour/NRE)
Subject: Suspension of Thylacine-1

Bruce,

Following up to your late night conversation with Frank last night we confirm that as discussed we did leave the Permanent Guide Base (PGB) in place on Thylacine-1 after encountering difficulties during retrieval operations. In summary we believe we functioned the release mechanism though cement from the 13-3/8" casing job is the likely cause of sticking.

Ultimately the difference is that the top of the guide posts are 5.0 m above the seafloor which is 1.2m higher than the proposed highest point of the top of the corrosion cap.

A full schematic of the wellhead configuration as-built will be forwarded when it is complete.

Regards,
Gary Jones
WEL - MODU Drilling Team
x5278

Copy entered on Thylacine-1

CC1 C. BACON

03 6233 83388

R. MITCHELL

03 6224 2321

Thylacine 1 Drilling R. HODGE

03 9824 0755



DIAMOND

DIAMOND OFFSHORE GENERAL COMPANY
Ocean Bounty

To:	
RCC Australia	02 6230 6868
The Officer In Charge MRCC	
DOT Canberra	02 6274 6699
The Officer In Charge DOT	
AMSA Canberra	02 6279 5966
Manager - Marine Operations & Personnel	
DOGC Perth	08 9481 8103
Mr Jerry Owens - Area Manager	
Mr Tom O'Neill - Operations Manager	
Woodside Pty Ltd	
Frank Darker	08 9348 5255
VONRE.	
Manager - Petroleum Operations & Safety	03 94125152

From John Drysdale OIM - Ocean Bounty.

Date. 28/05/01

Ref. Rigmove From Thylacine 1 to Geographe I.

The drilling rig, Ocean Bounty, departed the Thylacine 1 location, latitude: 39° 14' 27.524" E longitude, 142° 54' 43.914" E.
to the
Geographe 1 location, latitude: 039° 06' 46.931" E. longitude: 142° 55' 38.550" E.

At 2000 hours on the 28. May 2001 we started our move to our new location. The move of 7 run should be completed within 8 hours of start and anchor operations will commence at the new location. The Modu is being towed by the Pacific Sentinel and the Pacific Conqueror. A final location fax will be sent when the Modu has completed anchoring operations on the Geographe J location.

Regards,


John Drysdale
OIM - Ocean Bounty

Copy entered on
Thylacine 1

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Monday, 28 May 2001 13:01
 To: Andy Whittle (E-mail); 'Benaris' (E-mail); Sheng2 (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
 Subject: FW: Thylacine-1 Weekend Reports



Thylacine-1 DDR22
250501.pdf



Thylacine-1 DDR23
260501.pdf



Thylacine-1 DDR24
270501.pdf

> -----Original Message-----

> From: Forster, Jo J. [mailto:Jo.Forster@woodside.com.au]
 > Sent: Monday, May 28, 2001 12:49 PM
 > To: BUSSELL, ROYD; CLIFF, DAVID; FALLOON, STEVE; HOBSON, STEVE; Jenny Bauer (E-mail); KELLY, JON; RAPAIC, MICHAEL; RIBUL, WERNER; Ric Jason (E-mail); SHUSTER, MARK
 > Subject: Thylacine-1 Weekend Reports

> Dear All,

> Please find attached Thylacine-1 DDR22, 23, 24.

> Kind Regards

> <<Thylacine-1 DDR22 250501.pdf>> <<Thylacine-1 DDR23 260501.pdf>>
 > <<Thylacine-1 DDR24 270501.pdf>>

> Jo Forster
 > Technical Assistant
 > Modu Team
 > Well Engineering
 > Tel: 9348 4726
 > Fax: 9348 5255
 > Email: jo.forster@woodside.com.au

MINERAL RESOURCES		
FILE REF: <i>Thylacine-1 Drilling</i>		
28 MAY 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
CAB		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

28/05/2001 10:40:44 AM

Report # : 22 Date : 25/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

Days on Well :	22	Depth (m) :	2710	Supervisor(s):	M.Jackson & C.Gregory
Days from Spud :	20.9	TVD (m) :	2710	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	26.6	Progress(m) :	0		
Progress Budget Days (P50):	23.7	Rig Heading(°):	251		
AFE Cost :	\$13,700,000				
Cumulative Cost :	\$12,943,619				

Ops 00:00 to 06:00 : POOH. Laid out liner running tools. Broke out top drive cementing head and laid out. Slipped and cut drilling line.

Ops Summary (24 hrs) : Ran and cemented 7 inch liner. Set liner top packer. Reverse circulated pipe clean. Tested liner top packer.

Start	Hours	Depth (m)	DT/ILT	Operations
P&A				
0:00	1.00	2710	0	Held JSA. Picked up 7" shoe track and tested same. Made up BBL reamer shoe to liner.
1:00	6.50	2710	0	Made up and ran 87 joints of 29lb/ft, L80 New vam liner. Made up liner hanger and top packer. Made up first stand of HWDP.
7:30	0.75	2710	0	Circulated liner volume +20% at 50 spm and 400psi.
8:15	2.50	2710	0	Continued to run 7" liner on 5" HWDP and 5" DP.
10:45	0.50	2710	0	Broke circulation at 9.625" casing shoe. Recorded weight and torque parameters.
11:15	3.25	2710	0	Continued to run in hole with 7" liner on 5" DP.
14:30	2.00	2710	0	Washed down last stand from 2673m to 2698m. Tagged fill at 2698m. Picked up cement head and washed and rotated to bottom at 2710m.
16:30	1.00	2710	0	Picked up liner to 2705m and circulated bottoms up while rotating liner. Maximum gas from bottoms up 0.55%.
17:30	0.50	2710	0	Dropped ball and set liner hanger. Released running tool. Sheared out setting ball.
18:00	0.50	2710	0	Circulated liner volume until circulating pressure stabilised.
18:30	1.50	2710	0	Tested cement lines to 4500psi. Pumped 50 bbls of dual spacer (1.3sg) with rig pumps. Mixed and pumped 87 bbl of silica flour cement slurry at 15.8ppg. Pumped 2.5bbls DW to clear cement lines.
20:00	1.00	2710	0	Dropped Dart. Displaced liner with 120bbls of Hi vis mud at 1.3sg followed by 94.5bbls of mud. Bumped plug and pressure tested liner to 4000psi.
21:00	1.50	2710	0	Picked up and set liner top packer with 70klbs down weight. No indication of shear pins shearing. Stung out and reverse circulated drillpipe/annulus volume.
22:30	1.50	2710	0	Laid out cement head. Closed pipe rams and tested liner top packer against liner shoe and pipe rams to 4000psi for 10 minutes.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

28/05/2001 10:46:48 AM

THYLACINE-1

Report # : 22	Date : 25/05/2001	Page : 2
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Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

Report Duration (in hours) 24



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

28/05/2001 10:40:46 AM

Report # : 22 Date : 25/05/2001

Page : 3

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

Casing - Mud and Survey Data		Riser
Last casing: 7" @ 2708.2mRT		Riser tension : 272,000 klbs
Liner:		Riser angle : 0.25
Last BOP: 13/05/2001		Hole position :
		Comments :
Mud type : Aquadrill	Mud density : 1.34	
Mud and/or Survey comments:		

Weather Information	
Wave (m): 1.2	Swell (m): 1.8 Wind (kn): 20 kts @ 30 degrees
Temp (°C): 15	Heave (m): 1 Pitch (°): 0.5 Roll (°): 0.4
Rig Heading(°): 251	
Weather comments: Fine	

Support Vessel Movements
P Conqueror: On Standby
P Sentinel: On Standby

OHSE Reports		
	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	3
Stop Cards :	2	184
Stop Tours :	0	16
Days since last LTI :		1333

Materials			
Barite (t or sx)	1477	Fuel (m3)	289.7
Gel (t or sx)	1572	HellFuel(ltrs)	6374
Brine (m3)	0	Drill Water (m3)	881
Cement (t or sx)	706	Pot Water (m3)	98
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board			
WEL	6	BHI Logging	2
DOGC	62	Anadril Schlumberger	0
Stdt Comex	6	Dril-Quip	1
Halliburton	1	Dowell	0
BHI Mud	2	Security DBS	0
Schlumberger	5	Origin Energy	0
Sperry Sun	0	Fugro	2
Petrotech	0	Weatherford	3
Total POB :		90	

Notes/Memo

No incidents or accidents reported in the last 24hrs. Held pre rig move meeting with captains of both vessels.
Top of liner at 1654.9m, landing collar @ 2658.8m, pip tag @ 1988.6m.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

28/05/2001 10:44:36 AM

THYLACINE-1

Report # : 23 Date : 26/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

Days on Well :	23	Depth (m) :	2710	Supervisor(s):	M.Jackson & C.Gregory
Days from Spud :	21.9	TVD (m) :	2710	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	26.6	Progress(m) :	0		
Progress Budget Days (P50):	24.9	Rig Heading(°):	251		
AFE Cost :	\$13,700,000				
Cumulative Cost :	\$13,427,267				

Ops 00:00 to 06:00 : Rig up to pull Bops. Wait on weather prior to pulling BOPs. Grease and service rig floor equipment. Weather conditions at 05:00hrs - Heave 2.5m / Pitch 1.4 / Roll 1.8 / Wind 35-40kts / Swell 3m / Wave 3m.

Ops Summary (24 hrs) : POOH with liner running string. Slipped and cut drilling line. RIH and set 7" EZSV. Set suspension plug #1. Spotted Hi-Vis pill. Set suspension plug #2. Recovered wear bushing. Tagged suspension plug #2 at 1245m. POOH.

Start	Hours	Depth (m)	DT/ILT	Operations
P&A				
0:00	2.25	2710	0	Continued to POOH with liner running string.
2:15	0.50	2710	0	Service broke and laid out liner running tool and liner top packer setting tool.
2:45	0.50	2710	0	Picked up cement head. Broke out pup joint, valve and single. Laid out same.
3:15	1.00	2710	0	Held JSA. Slipped and cut 175 ft of drilling line.
4:15	0.50	2710	0	Serviced top drive, travelling block and dollies.
4:45	6.50	2710	0	Held JSA. Made up 7 inch EZSV on 9 joints of 3.5" drill pipe stinger. Drifted and flushed through 3.5" drill pipe. Continued to RIH with EZSV on 5 inch drill pipe.
11:15	0.75	2710	0	Set EZSV at 1680m. Broke circulation with rig pumps. Closed upper annular and pressure tested EZSV to 1000psi with rig pump.
12:00	1.00	2710	0	Circulated 100 bbl of mud. Held JSA. Rigged up cement hose and tested to 1000 psi. Mixed and pumped suspension plug #1 from 1680m to 1610m.
13:00	1.50	2710	0	POOH to 1550m and reverse circulated 180bbl. Rigged down cement line.
14:30	1.00	2710	0	Spotted 60 bbl balanced hi vis pill from 1550m to 1300m. POOH to 1300m.
15:30	1.00	2710	0	Mixed and pumped suspension plug #2 from 1300 to 1250m.
16:30	1.50	2710	0	POOH to 1190m and reverse circulated 135bbl. Displaced with inhibited mud.
18:00	1.00	2710	0	Displaced riser and choke and kill lines to sea water.
19:00	2.50	2710	0	POOH to 1045m. Made up wear bushing running tool into string and RIH and retrieved wear bushing. POOH. Laid out same. Made up crossover sub to PGB retrieval tool and laid out.
21:30	0.50	2710	0	RIH and tagged suspension plug #2 with 10klbs down weight at 1245m.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

28/05/2001 10:44:36 AM

THYLACINE-1

Report # : 23 Date : 26/05/2001 Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

P&A

22:00 2.00 2710 0 POOH with 3.5" DP stinger and EZSV setting tool.

Report Duration (in hours) 24



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

28/05/2001 10:44:36 AM

Report # : 23 Date : 26/05/2001 Page : 3

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

Casing - Mud and Survey Data		Riser
Last casing: 7" @ 2708.2mRT		Riser tension : 272,000 klbs
Liner:		Riser angle : 0.25
Last BOP: 13/05/2001		Hole position :
		Comments :
Mud type : Aquadrill	Mud density : 1.34	
Mud and/or Displaced riser to sea water. Recovered mud for use in Geographe-1.		
Survey comments:		

Weather Information	
Wave (m): 3	Swell (m): 3.0 Wind (kn): 40 kts @ 40 degrees
Temp (°C): 15	Heave (m): 2 Pitch (°): 0.8 Roll (°): 1
Rig Heading(°): 251	
Weather comments: Squalls	

Support Vessel Movements
P Conqueror: On Standby
P Sentinel: On Standby

OHSE Reports		
	Daily	Cumul.
LTTs :	0	0
TRC's :	0	0
Incident Reports :	0	3
Stop Cards :	1	185
Stop Tours :	0	16
Days since last LTI :		1334

Materials			
Barite (t or sx)	1477	Fuel (m3)	281.4
Gel (t or sx)	1572	HeliFuel(ltrs)	6374
Brine (m3)	0	Drill Water (m3)	825
Cement (t or sx)	521	Pot Water (m3)	98
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board			
WEL	5	BHI Logging	2
DOGC	62	Anadril Schlumberger	0
Stolt Comex	6	Dril-Quip	1
Halliburton	1	Dowell	0
BHI Mud	2	Security DBS	0
Schlumberger	0	Origin Energy	0
Sperry Sun	0	Fugro	2
Petrotech	0	Weatherford	2
Total POB :			83

Notes/Memo

No incidents or accidents reported in the last 24hrs.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

28/05/2001 10:46:47 AM

Report # : 24 Date : 27/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

Days on Well :	24	Depth (m) :	2710	Supervisor(s):	M.Jackson & C.Gregory
Days from Spud :	22.9	TVD (m) :	2710	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	26.6	Progress(m) :	0		
Progress Budget Days (P50):	25.8	Rig Heading(°):	251		
AFE Cost :	\$13,700,000				
Cumulative Cost :	\$13,794,253				

Ops 00:00 to 06:00 : Attempted to pull PGB - unsuccessful. POOH. RIH with Corrosion cap. Set corrosion cap and POOH. Commenced pulling anchors.

Ops Summary (24 hrs) : Continued to POOH with EZSV running tool. Rigged up to pull BOPs. Waited on weather. Pulled BOPs.

Start	Hours	Depth (m)	DT/ILT	Operations
P&A				
0:00	0.25	2710	0	Continued to POOH with EZSV running tool. Laid out 3.5" drill pipe.
0:15	1.75	2710	0	Held JSA. Rigged up to pull BOP's.
2:00	10.00	2710	10 D08	Waited on weather to pull BOPs.
12:00	2.00	2710	0	Held JSA. Pulled diverter and laid out same. Made up landing joint. Collapsed slip joint and locked.
14:00	1.00	2710	1 D09	Troubleshoot unlatch function on both BOP pods.
15:00	3.00	2710	0	Unlatched stack. Removed ruckers and goosenecks. Laid out slip joint.
18:00	2.00	2710	0	Pulled riser.
20:00	1.00	2710	0	Landed BOPs on beams. Nipped down BOPs. Made up jet sub.
21:00	0.50	2710	0	Jetted BOPs on beams.
21:30	2.00	2710	0	Moved BOP and LMRP to set back. Laid out riser double.
23:30	0.50	2710	0	Rigged down riser handling equipment.
Report Duration (in hours)		24		

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Friday, 25 May 2001 16:38
 To: Andy Whittle (E-mail); 'Benaris' (E-mail); Sheng2 (E-mail); AGSO (E-mail); Bauer, Jenny; Bruce. Armour (E-mail); Carol Bacon (E-mail); Hedger, Linda; Horton, Phillip; Jrichard (E-mail); Kourosh. Mehin (E-mail); Lowry, David; Mussared, Mark; Pass, Greg; Shield, Chris; Simeone, Severino; Stork, Rolf; Taylor, Randall; Trethowan, Ernie; Tye, Stuart; Willink, Rob
 Subject: FW: Thylacine-1, Geological Report 24/05/01



Thylacine-1(draftDGR)
 8_240501_....

-----Original Message-----

From: Rapaic, Michael M. [mailto:Michael.Rapaic@woodside.com.au]
 Sent: Friday, May 25, 2001 4:37 PM
 To: RIC JASON (E-mail)
 Subject: FW: Thylacine-1, Geological Report 24/05/01

> -----Original Message-----

> From: Bilek, Milan M.
 > Sent: Friday, May 25, 2001 5:19 AM
 > To: Rapaic, Michael M.
 > Subject: Thylacine-1, Geological Report 24/05/01

>
 >
 > <<Thylacine-1(draftDGR18_240501_2710m_Rpt).doc>>

> Regards,
 >
 > Milan Bilek / Griff Weste
 > Wellsite Geologists (Thylacine-1)
 >
 >

MINERAL RESOURCES		
FILE REF: <i>Thylacine-1 Drilling</i>		
25 MAY 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
<i>SAB</i>		
RESUBMIT TO	DATE	



CONFIDENTIAL

Date:	24 May 2001	Last Casing:	9 5/8" @ 1849.9 mMDRT
Report Number:	18	LOT:	2.1 sg @ 1859 mMDRT
Report Period:	00:00-24:00 Hours	Mud Weight:	1.33 sg
Depth @ 24:00 Hours:	2710 mMDRT	ECD	N/A
Depth (mTVDRT)	2709.3 mMDRT	Mud Type:	KCl / PHPA / Glycol
Lag Depth:	2710 mMDRT	Mud Chlorides:	60000 mg/litre
Last Depth:	2710 mMDRT	Est. Pore Press:	1.20 sg
Progress:	0 m	Last Survey Depth:	2447.71 m MDRT
Water Depth:	101.4 m LAT	Deviation:	1.48° @ 41.38° azimuth
RT-Sea Level:	25 m	Bit Diameter:	8 1/2"

OPERATIONS SUMMARY

24 HOUR SUMMARY: Ran in and completed Run 5 VSP. Rigged up and ran Run 6 CST-GR. Shot 59 CST's, 1 misfire, recovered 52 (87%), lost 5 downhole, 2 empty. Rigged up and started to run 7" liner as per program.

NEXT 24 HOURS: Complete 7" liner run and cement in place and commence operations for Rig move .

CURRENT OPERATION @ 06:00 Hrs 25/05/2001: Running liner.

GEOLOGICAL SUMMARY

LITHOLOGY:

No drilling occurred during this period.

MUDLOGGING EQUIPMENT/PERSONNEL

All operational.

WIRESLINE

Suite 2,	Run 1	(PEX-DSI-GPIT)	.
	Run 2	MDT-GR-LEH-QT	.
	Run 3	MSCT-GR (25)	.
	Run 4	FMI-GR-LEH-QT	.
	Run 5	CSI (VSP/Checkshot survey; Rig source zero offset) -	
	Run 6	CST-GR (sidewall cores)	

Wireline runs completed.

WELLSITE GEOLOGISTS

M. Bilek / G. Weste

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Friday, 25 May 2001 15:15
 To: Andy Whittle (E-mail); 'Benaris' (E-mail); Sheng2 (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kouros. Mehin (E-mail)
 Subject: FW: Thylacine DDR21 240501



Dailyreport.pdf

> -----Original Message-----

> From: Forster, Jo J. [mailto:Jo.Forster@woodside.com.au]
 > Sent: Friday, May 25, 2001 11:48 AM
 > To: BUSSELL, ROYD; CLIFF, DAVID; FALLOON, STEVE; HOBSON, STEVE; Jenny Bauer (E-mail); KELLY, JON; RAPAIC, MICHAEL; RIBUL, WERNER; Ric Jason (E-mail); SHUSTER, MARK
 > Subject: Thylacine DDR21 240501

> Dear All

> Please find attached Thylacine-1 DDR21 for 24/05/01.
 > <<Dailyreport.pdf>>
 > Kind regards
 > Jo Forster
 > Technical Assistant
 > Modu Team
 > Well Engineering
 > Tel: 9348 4726
 > Fax: 9348 5255
 > Email: jo.forster@woodside.com.au

MINERAL RESOURCES		
FILE REF: Thylacine 1 Drilling		
25 MAY 2001		
DOC REF:		
OFFICER	FOR ACTION	FOR INFO
CAB		✓
RESUBMIT TO	DATE	



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

25/05/2001 9:42:18 AM

THYLACINE-1

Report # : 21 Date : 24/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

Days on Well :	21	Depth (m) :	2710	Supervisor(s):	M.Jackson & C.Gregory
Days from Spud :	19.9	TVD (m) :	2710	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	26.6	Progress(m) :	0		
Progress Budget Days (P50):	22.4	Rig Heading(°):	251		
AFE Cost :	\$13,700,000				
Cumulative Cost :	\$11,650,284				

Ops 00:00 to 06:00 : Ran 7" liner.

Ops Summary (24 hrs) : Continued to run logs VSP - CST's. Rigged down Schlumberger. Made up cement head on single and pup joint and laid out. Rigged up to run 7" liner.

Start	Hours	Depth (m)	DT/ILT	Operations
8 1/2"				
0:00	12.50	2710	0	Continued to run log #5 VSP.
12:30	9.75	2710	0	Ran log #6 sidewall cores. 60 shots attempted, 52 recovered, 5 lost , 2 empty and 1 misfire.
22:15	0.50	2710	0	Rigged down Schlumberger
P&A				
22:45	0.75	2710	0	Picked up cement head. Made up single below and pup joint and valve above and laid out assembly. Drifted all components to 2.625" .
23:30	0.50	2710	0	Held JSA and rigged up to run liner.
Report Duration (in hours)	24			



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

25/05/2001 9:42:19 AM

THYLACINE-1

Report # : 21 Date : 24/05/2001 Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

Casing - Mud and Survey Data		Riser
Last casing: 9-5/8" @ 1849.9mRT		Riser tension : 272,000 kbs
Liner:		Riser angle : 0.25
Last BOP: 13/05/2001		Hole position :
		Comments :
Mud type : Aquadrill	Mud density : 1.34	
Mud and/or Survey comments:		

Weather Information	
Wave (m): 1.5	Swell (m): 1.8 Wind (kn): 20 kts @ 270 degree
Temp (°C): 15	Heave (m): 2 Pitch (°): 0.5 Roll (°): 0.4
Rig Heading(°): 251	
Weather comments: Fine	

Support Vessel Movements
P Conqueror: On Standby
P Sentinel: en route to rig.

OHSE Reports		
	Daily	Cumul.
LTTs :	0	0
TRC's :	0	0
Incident Reports :	0	3
Stop Cards :	9	182
Stop Tours :	0	16
Days since last LTI :		1332

Materials			
Barite (t or sx)	2034	Fuel (m3)	304
Gel (t or sx)	1572	HeliFuel(ltrs)	6909
Brine (m3)	0	Drill Water (m3)	1014
Cement (t or sx)	706	Pot Water (m3)	92
Blend (t or sx)	597		
Base oil (m3)	0		

Personnel on Board			
WEL	5	BHI Logging	2
DOGC	62	Anadril Schlumberger	0
Stolt Comex	3	Dril-Quip	0
Halliburton	1	Dowell	0
BHI Mud	2	Security DBS	0
Schlumberger	8	Origin Energy	0
Sperry Sun	0	Fugro	0
Petrotech	0	Weatherford	4
Total POB :			87

Notes/Memo

No incidents or accidents reported in the last 24hrs.

01/01554

30A

DEPARTMENT of
INFRASTRUCTURE,
ENERGY and RESOURCES

Thylacine-1 Drilling

MINERAL RESOURCES TASMANIA

Enquiries: Carol Bacon
Phone: (03) 6233 8326
Our File: 1CAB059:DS Thylacine-1

24 May 2001

Mr Vince Santostefano
Team Leader, MODU Drilling Engineering
Woodside Energy Limited
1 Adelaide Terrace
PERTH WA 6000

Fax: 08 9348 5255

4.25.11
X3/9/2

Dear Mr Santostefano

CONSENT TO SUSPEND THYLACINE - 1 EXPLORATION WELL IN T/30P

I refer to your correspondence of 23 May 2001 regarding the above subject.

In accordance with Provisions of Clause 515 of the *Petroleum (Submerged Lands) Act, Schedule of Specific Requirements as to Offshore Petroleum Exploration and Production in Waters under Commonwealth Jurisdiction 1997*, I hereby approve your request to suspend the Thylacine-1 exploration well according to your proposed procedure.

A seabed survey of the well location must be carried out prior to the rig move from the drilling site and copies of logs and other test data shall be provided to the Department.

In addition, Origin Energy Resources Limited is directed to provide within one year, and at successive one year intervals from the date that the well is suspended, a report to the Department describing plans for re-entry to test, complete or to permanently abandon the well.

Yours sincerely



Dr A V (Tony) Brown
DIRECTOR OF MINES

cc Ms Jenny Bauer, Manager Offshore Exploration, Origin Energy Resources Limited,
GPO Box 148, BRISBANE QLD 4001 Fax: 07 3369 7840
Mr Bruce Armour, Petroleum Operations Inspector, Minerals and Petroleum
Regulation, Natural Resources and Environment, PO Box 500, EAST MELBOURNE
VIC 3002 Fax: 03 9412 5152

Copy entered on Thylacine-1



WOODSIDE PERTH



WOODSIDE
AUSTRALIAN ENERGY

01/01540

30

WOODSIDE ENERGY LTD
A.B.N. - 63 005 482 986
1 Adelaide Terrace, Perth, Western Australia, 6000

Thylacina-1 Drilling

URGENT

Page 1 of 4

TO: Department of Infrastructure, Energy and Resources
 ATTN: Carol Bacon
 FAX NO: 03 6233 833B
 FROM: Gary Jones
 DATE: 24/05/01
 SUBJECT Application to suspend Thylacine-1 in Permit T/30P
 Please direct all responses/queries to: Gary Jones
 TEL NO: 08 9348 5278
 FAX NO: 08 9348 5255

Carol,

Please find attached Application to suspend Thylacine-1 in Permit T/30P. The original has been sent in the post.

See Thylacina-1

Please contact me if you have any queries.

Kind Regards

Gary Jones

Gary Jones
MODU Drilling Engineer

MINERAL RESOURCES		
FILE REF: <i>Thylacina-1</i>		
24 MAY 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
RESUBMIT TO	DATE	

WOODSIDE PERTH



Our Reference: WDM:VS/01-103/gj

Please direct all responses/queries to:
Tel: 81-8-9348 4592
Fax: 81-8-9348 5255

STRICTLY CONFIDENTIAL

23 May 2001

Director of Mines
Department of Infrastructure, Energy and Resources
PO Box 56
Rosny Park 7018
Tasmania

Attention: Mr Tony Brown

Dear Sir

Application to Suspend Thylacine-1 in Permit T/30P

Please find attached the Thylacine-1 suspension program for your approval. After performing suspension operations the Ocean Bounty will subsequently be moved to permit Vic/P43 to drill the exploration well Geographe-1.

Woodside's contact for Thylacine-1 is Mr Frank Barker, Drilling Superintendent Well Engineering MODU Team. Frank may be contacted in Perth on telephone number (08) 9348 4592.

Yours faithfully
WOODSIDE ENERGY LTD

A handwritten signature in black ink, appearing to read 'Vince Santostefano'.

Vince Santostefano
Team Leader, MODU Drilling Engineering

cc: Origin Energy Ltd.
Victoria-DNRE

Attn: Jenny Bauer
Attn: Bruce Armour

WOODSIDE ENERGY LTD.

A.B.N. - 63 005 482 986

Registered Office: No. 1 Adelaide Terrace, Perth, Western Australia, 6000
Postal Address: Box D188 G.P.O. Perth, Western Australia, 6840
Telephone: (08) 9348 4592. Facsimile: (08) 9348 5255

WOODSIDE PERTH

Thylacine-1 Proposed Suspension ProgrammeWednesday, May 23, 2001
All depths MD RT.***Program commences at completion of running & cementing liner.***

1. Run in hole with 7" EZSV and set at ± 1680 m (30m below top of liner) with cementing string comprising three stands of 3½" drill pipe & 5" drill pipe to surface. Beware when entering liner top at ± 1650 mRT.
2. Un-sting from EZSV and pressure test EZSV to 1000psi.
3. **Cement Plug #1** Set 70m balanced cement plug of 1.9sg "G" cement from 1680 – 1610m. No tag required as plug is set on EZSV base.
4. POOH to 2 stands above top of cement (± 1650 m) & reverse circulate 2 x drill string volume.
5. Set inhibited Hi-Vis pill weighted at ± 1.3 sg from 1550 - 1300m.
6. POOH to 1300m.
7. **Cement Plug #2** Set 50m balanced cement plug of 1.9sg "G" cement from 1300 – 1250m.

Note: this plug is intended to be set below TOC in the annulus to provide a second permanent barrier. Annulus TOD should be confirmed with DSI (sonic) log and cement plug location adjusted as required.
8. POOH to 2 stands above top of cement (± 1190 m) & reverse circulate 2 x drill string volume.
9. Displace cased hole to inhibited mud and recover mud for use on next well.
10. WOC. Lay out drill pipe if required in preparation for rig tow. (Balance the need to lay out at this time against later during pulling secondary anchors)
11. RIH and tag TOC (± 10 kips) to confirm location of plug. If plug top is deeper than 1270m be prepared to spot another plug to ensure 30m plug height – not tag would be required in the event that a TOC is tagged for plug#2.
12. POOH again laying out drill pipe if required.
13. Unlatch BOP and recover riser & BOP.
14. Run in hole with PGB retrieval tool and retrieve PGB. Ensure the ROV has already disconnected the PGB/TGB chains off critical path.
15. Make up and run wellhead corrosion cap and install same. Spot approx 1 bbl of soluble oil to fill wellhead under corrosion cap. Commence pulling secondary anchors as soon as running string is released.
16. Pull out of hole with drill string, ROV to cut guidelines for retrieval off critical path.
17. Conduct a seabed survey with ROV (off critical path)
18. Pull remaining anchors in preparation for drill draft rig move.

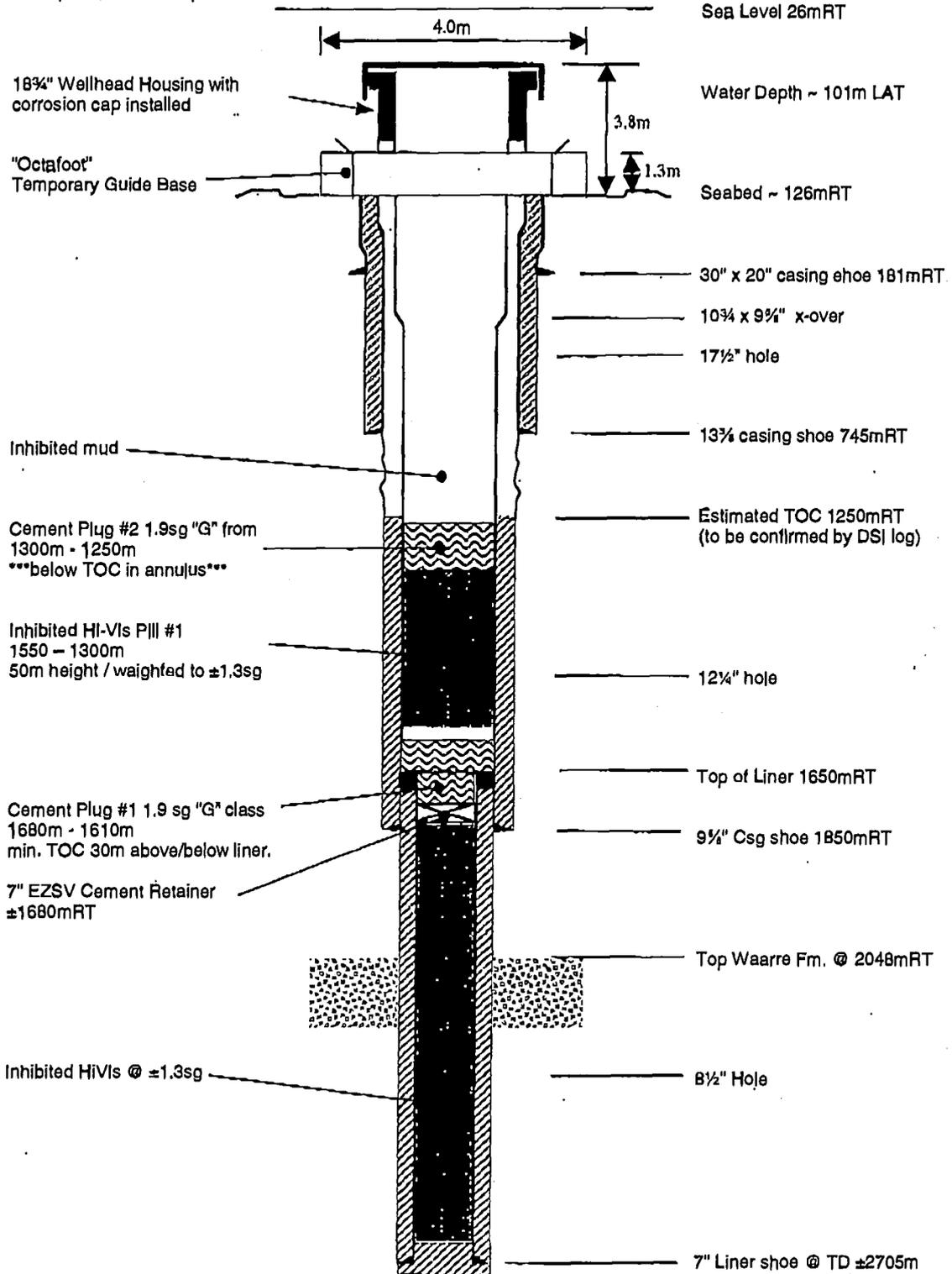
Note: Refer also to detailed procedures and precautions in the DOG Section 13.

Thylacine-1 Suspension Schematic

Well: Thylacine-1
Permit: T30/P

Prepared by: G. Jones
Approved by: F. Barker

All depths RT unless specified



Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Thursday, 24 May 2001 12:24
 To: Andy Whittle (E-mail); 'Benaris' (E-mail); Sheng2 (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
 Subject: FW:Daily Drilling report Thylacine 23/05/01



Thylacine
 230501Dailyreport.pdf... Subject: Daily Drilling report Thylacine 23/05/01

<<Thylacine 230501Dailyreport.pdf>>

Regards

Chris Gregory

MINERAL RESOURCES		
FILE REF: Thylacine		
24 MAY 2001		
OCC. REF:		
OFFICER	FOR ACTION	FOR INFO
CAB		✓
RESUBMIT TO	DATE	

Drilling



WOODSIDE ENERGY Ltd
Daily Drilling Report (ex Ocean Bounty)

THYLACINE-1

DRAFT

Report # : 20 Date : 23/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

Days on Well :	20	Depth (m) :	2710	Supervisor(s):	M.Jackson & C.Gregory
Days from Spud :	18.85	TVD (m) :	2710	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	26.6	Progress(m) :	0		
Progress Budget Days (P50):	21.11	Rig Heading(°):	251		
AFE Cost :	\$13,700,000				
Cumulative Cost :	\$11,171,081				

Ops 00:00 to 06:00 : Continued to run log #5 VSP

Ops Summary (24 hrs) : POOH from wiper trip. Rigged up and ran logs - MSCT - FMI - VSP.

Start	Hours	Depth (m)	D7/ILT	Operations
8 1/2"				
0:00	5.00	2710	0 d03	POOH from 2709m. Flow checked at shoe and BOPs.
5:00	0.75	2710	0	Rigged up Schlumberger.
5:45	3.75	2710	0	Made up and ran log #3 MSCT.
9:30	1.25	2710	1.25 D05	POOH to reset MSCT tool (reduce WOB).
10:45	4.50	2710	0	Continued to run log #3 MSCT.
15:15	1.50	2710	1.5 D06	Aborted log #3 MSCT, after tool failure (oil leak) whilst attempting to cut core #14. POOH and rigged down MSCT. 13 cores cut, 12 recovered.
16:45	5.25	2710	0.3 D07	Rigged up and ran log #4 FMI/SGT
22:00	2.00	2710	0	Rigged up and ran log #5 VSP.

Report Duration (in hours) 24



WOODSIDE ENERGY Ltd
Daily Drilling Report (ex Ocean Bounty)

THYLACINE-1

DRAFT

Report # : 20 Date : 23/05/2001 Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

<p align="center">Casing - Mud and Survey Data</p> <p>Last casing: 9-5/8" @ 1849.9mRT Liner: Last BOP: 13/05/2001</p> <p>Mud type : Aquadrill Mud density : 1.34</p> <p>Mud and/or Survey comments:</p>	<p align="center">Riser</p> <p>Riser tension : 272,000 klbs Riser angle : 0.25 Hole position : Comments :</p>
--	---

Weather Information

Wave (m): 1.5 Swell (m): 1.5 Wind (kn): 20 kts @ 270 degree
 Temp (°C): 16 Heave (m): 1.5 Pitch (°): 0.4 Roll (°): 0.4
 Rig Heading(°): 251
 Weather comments: Fine

Support Vessel Movements

P Conqueror: On Standby
 P Sentinel: Portland

OHSE Reports

	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	3
Stop Cards :	5	173
Stop Tours :	0	16
Days since last LTI :		1331

Materials

Barite (t or sx)	2034	Fuel (m3)	304
Gel (t or sx)	1572	HeliFuel(ltrs)	6909
Brine (m3)	0	Drill Water (m3)	1014
Cement (t or sx)	706	Pot Water (m3)	92
Blend (t or sx)	597		
Base oil (m3)	0		

Personnel on Board

WEL	7	BHI Logging	3
DOGC	62	Anadril Schlumberger	0
Stolt Comex	3	Dril-Quip	0
Halliburton	1	Dowell	0
BHI Mud	2	Security DBS	0
Schlumberger	8	Origin Energy	0
Sperry Sun	0	Fugro	0
Petrotech	2	Weatherford	4
Total POB :			92

Notes/Memo

No incidents or accidents reported in the last 24hrs. Held safety meeting for all crews.

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
Sent: Thursday, 24 May 2001 12:21
To: Andy Whittle (E-mail); 'Bbnaris' (E-mail); 'Bbeng2' (E-mail); AGSG (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
Subject: Thylacine-1 Daily Geological Report 23 May 2001



Thylacine-1(DGR17_2
 30501_2710m...

<<Thylacine-1(DGR17_230501_2710m_Rpt).doc>>

Ric Jason
 Origin Energy Resources Ltd
 07 3858 0690
 0419 804 105

MINERAL RESOURCES		
FILE REF: <i>Thylacine-1 Drilling</i>		
24 MAY 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
<i>CAB</i>		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	

**CONFIDENTIAL**

Date:	23 May 2001	Last Casing:	9 5/8" @ 1849.9 mMDRT
Report Number:	17	LOT:	2.1 sg @ 1859 mMDRT
Report Period:	00:00-24:00 Hours	Mud Weight:	1.33 sg
Depth @ 24:00 Hours:	2710 mMDRT	ECD	N/A
Depth (mTVDR)	2709.3 mMDRT	Mud Type:	KCl / PHPA / Glycol
Lag Depth:	2710 mMDRT	Mud Chlorides:	60000 mg/litre
Last Depth:	2710 mMDRT	Est. Pore Press:	1.20 sg
Progress:	0 m	Last Survey Depth:	2447.71 m MDRT
Water Depth:	101.4 m LAT	Deviation:	1.48° @ 41.38° azimuth
RT-Sea Level:	25 m	Bit Diameter:	8 1/2"

OPERATIONS SUMMARY

24 HOUR SUMMARY: *Circulated hole clean. Pulled out of hole. Rigged up and ran MSCT. Attempted to cut 2 cores (2306 and 2305 mMDRT) – surface indication of motor stalling suggested too much weight on bit. Pulled out and examined tool – ok. No cores were cut but spacer disks had dropped as they were meant to. Reloaded disks, reduced weight on bit, ran in hole and resumed MSCT program. Cut 13 cores, hydraulic seal failure on the 14th core, aborted run, recovered 12 cores (all sandstone). Rigged for Run 5 VSP, commenced running in hole.*

NEXT 24 HOURS: *Complete Run 5 VSP survey, complete Run 6 SWC.*

CURRENT OPERATION @ 06:00 Hrs 24/05/2001: *Recording VSP level 21 at 2080MDRT*

GEOLOGICAL SUMMARY**LITHOLOGY:**

No drilling occurred during this period.

MUDLOGGING EQUIPMENT/PERSONNEL

All operational.

WIRELINE

Suite 2,	Run 1	(PEX-DSI-GPIT)	completed.
	Run 2	MDT-GR-LEH-QT	completed.
	Run 3	MSCT-GR (25)	completed.
	Run 4	FMI-GR-LEH-QT	completed.
	Run 5	CSI (VSP/Checkshot survey; Rig source zero offset)	part completed
	Run 6	CST-GR (sidewall cores)	

WELLSITE GEOLOGISTS

M. Bilek / G. Weste

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Wednesday, 23 May 2001 11:30
 To: Andy Whittle (E-mail); 'Benaris' (E-mail); Sheng2 (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kouros. Mehin (E-mail)
 Subject: FW: Thylacine-1 DDR19 220501



Thylacine-1 DDR19
220501.pdf

> -----Original Message-----

> From: Forster, Jo J. [mailto:Jo.Forster@woodside.com.au]
 > Sent: Wednesday, May 23, 2001 11:24 AM
 > To: BUSSELL, ROYD; CLIFF, DAVID; FALLOON, STEVE; HOBSON, STEVE; Jenny Bauer (E-mail); KELLY, JON; RAPAIC, MICHAEL; RIBUL, WERNER; Ric Jason (E-mail); SHUSTER, MARK
 > Subject: Thylacine-1 DDR19 220501

> Dear All,

> Please find attached Thylacine-1 DDR19 220501.

> Kind Regards

> <<Thylacine-1 DDR19 220501.pdf>>

> Jo Forster
 > Technical Assistant
 > Modu Team
 > Well Engineering
 > Tel: 9348 4726
 > Fax: 9348 5255
 > Email: jo.forster@woodside.com.au

MINERAL RESOURCES		
FILE REF: <i>Thylacine-1 Drilling</i>		
23 MAY 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
<i>CAB</i>		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

23/05/2001 9:18:41 AM

THYLACINE-1

Report # : 19 Date : 22/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 04/05/01 0:00

Days on Well :	19	Depth (m) :	2710	Supervisor(s):	M.Jackson & C.Gregory
Days from Spud :	17.9	TVD (m) :	2710	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	26.6	Progress(m) :	0		
Progress Budget Days (P50):	21.1	Rig Heading(°):	251		
AFE Cost :	\$13,700,000				
Cumulative Cost :	\$10,692,778				

Ops 00:00 to 06:00 : POOH. Rigged up wireline to run MSCT.

Ops Summary (24 hrs) : Recovered stuck MDT tools. RIH for wiper trip. Washed and reamed to bottom from 2396m. Circulated bottoms up and flow checked.

Start	Hours	Depth (m)	OT/ILT	Operations
8 1/2"				
0:00	1.75	2710	1.75 d03	Continued to run in hole to shoe, stripping over wireline with overshot.
1:45	0.75	2710	0.75 d03	Closed upper annular and circulated bottoms up through choke and kill lines and across open choke manifold.
2:30	2.00	2710	2 d03	Continued to run in hole stripping over wireline with overshot to 2257m.
4:30	0.50	2710	0.5 d03	Broke circulation to flush overshot prior to catching fish.
5:00	1.00	2710	1 d03	Continued to run in hole and latched onto fish at 2318m. Confirmed catch.
6:00	1.50	2710	1.5 d03	Sheared weak point at cable head. Rigged up and pulled wireline from hole.
7:30	0.50	2710	0.5 d03	Rigged down shieve in derrick.
8:00	4.50	2710	4.5 d03	POOH with logging tools. Recovered MDT tools and released overshot.
12:30	1.00	2710	1 d03	Laid out MDT tools. Removed sample chambers. No apparent tool damage.
13:30	3.75	2710	3.75 DO3	Made up and RIH with 8.5" clean out assembly to shoe. Broke circulation.
17:15	0.50	2710	0.5 DO3	Serviced top drive and travelling block dollies.
17:45	1.50	2710	1.5 DO3	Continue to RIH with clean out assembly. Intermittent drag of 10 - 40klb present from 2145m to 2396m, increasing to 30 to 50 klb by 2396m.
19:15	0.75	2710	0.75 DO3	Washed and lightly reamed from 2396m to 2415m. Maximum gas 2.4%.
20:00	0.50	2710	0.5 DO3	Closed upper annular and completed bottoms up through choke and kill lines. Maximum gas downstream of poorboy degasser 2.4%.
20:30	0.25	2710	0.25 DO3	Continued to wash and ream from 2415 to 2512m. Maximum gas 20%.



Miodu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

23/05/2001 9:18:44 AM

THYLACINE-1

Report # : 19 Date : 22/05/2001

Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 04/05/01 0:00

8 1/2"

20:45 0.50 2710 0.5 DO3 Circulated at 2512m until gas level reduced from 20% to 1%.

21:15 1.25 2710 1.25 DO3 Continued to wash and ream from 2512m to 2710m, 3 m of fill on bottom.

22:30 1.25 2710 1.25 DO3 Circulated bottoms up. Conditioned mud and circulated until shakers clean. Maximum gas 2.98%. Gas down to 0.28% at end of circulation. No cavings seen.

23:45 0.25 2710 0.25 DO3 Flow checked well -static.

Report Duration (in hours) 24



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

23/05/2001 9:18:44 AM

Report # : 19 Date : 22/05/2001 Page : 3

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 04/05/01 0:00

Casing - Mud and Survey Data		Riser
Last casing:	9-5/8" @ 1849.9mRT	Riser tension : 272,000 klbs
Liner:		Riser angle : 0.25
Last BOP:	13/05/2001	Hole position :
		Comments :
Mud type :	Aquadrill	
Mud density :	1.33	
Mud and/or Survey comments:		

Weather Information	Support Vessel Movements
Wave (m): 1.5 Swell (m): 2.4 Wind (kn): 22 kts @ 150 degree	P Conqueror: On Standby
Temp (°C): 15 Heave (m): 2 Pitch (°): 0.5 Roll (°): 0.6	P Sentinel: Portland
Rig Heading(°): 251	
Weather comments: Fine	

OHSE Reports			Materials			
	Daily	Cumul.				
LTI's :	0	0	Barite (t or sx)	2034	Fuel (m3)	313.5
TRC's :	0	0	Gel (t or sx)	1572	HeliFuel(ltrs)	7062
Incident Reports :	0	3	Brine (m3)	0	Drill Water (m3)	720
Stop Cards :	9	168	Cement (t or sx)	706	Pot Water (m3)	60
Stop Tours :	0	16	Blend (t or sx)	597		
Days since last LTI :		1331	Base oil (m3)	0		

Personnel on Board			
WEL	8	BHI Logging	4
DOGC	61	Anadril Schlumberger	0
Stolt Comex	3	Dril-Quip	0
Halliburton	1	Dowell	0
BHI Mud	2	Security DBS	0
Schlumberger	8	Origin Energy	0
Sperry Sun	0	Fugro	0
Petrotech	2	Weatherford	4
Total POB :			93

Notes/Memo

No incidents or accidents reported in the last 24hrs.

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Wednesday, 23 May 2001 11:23
 To: Andy Whittle (E-mail); 'Benaris' (E-mail); Sheng2 (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
 Subject: Thylacine-1 geological report



Thylacine-1(DGR16_2
 20501_2710m...

Ric Jason
 Origin Energy Resources Ltd
 07 3858 0690
 0419 804 105
 <<Thylacine-1(DGR16_220501_2710m_Rpt).doc>>

MINERAL RESOURCES		
FILE REF: Thylacine-1 Drilling		
23 MAY 2001		
OOC REF:		
OFFICER	FOR ACTION	FOR INFO
CAB		✓
RESUBMIT TO	DATE	

**CONFIDENTIAL**

Date:	22 May 2001	Last Casing:	9 5/8" @ 1849.9 mMDRT
Report Number:	16	LOT:	2.1 sg @ 1859 mMDRT
Report Period:	00:00-24:00 Hours	Mud Weight:	1.33 sg
Depth @ 24:00 Hours:	2710 mMDRT	ECD	1.35
Depth (mTVDRT)	2709.3 mMDRT	Mud Type:	KCl / PHPA / Glycol
Lag Depth:	2710 mMDRT	Mud Chlorides:	60000 mg/litre
Last Depth:	2710 mMDRT	Est. Pore Press:	1.20 sg
Progress:	0 m	Last Survey Depth:	2447.71 m MDRT
Water Depth:	101.4 m LAT	Deviation:	1.48° @ 41.38° azimuth
RT-Sea Level:	25 m	Bit Diameter:	8 1/2"

OPERATIONS SUMMARY

24 HOUR SUMMARY: *Continued cut and thread operation. Engaged MDT tool into overshot, broke weak link and pulled out of drill pipe with wireline. Pulled out MDT fish with drill pipe and laid out MDT tools. Recovered samples whilst running in hole for clean out trip. Recovered 13 from a total of 14 pressure samples (water sample in transport certified 450ml cylinder closing valve failed to operate). Ran in hole to 2396 mMDRT washed and reamed to 2710 mMDRT (TD). Circulated out hole clean.*

NEXT 24 HOURS: *Complete wiper trip and continue with Suite 2 logs as per program.*

CURRENT OPERATION @ 06:00 Hrs 23/05/2001: *Rigging up MSCT-GR tool string.*

GEOLOGICAL SUMMARY**LITHOLOGY:**

No drilling occurred during this period.

MUDLOGGING EQUIPMENT/PERSONNEL

All operational

WIRELINE

Suite 2,	Run 1	(PEX-DSI-GPIT)	completed.
	Run 2	MDT-GR-LEH-QT	completed.
	Run 3	MSCT-GR (25)	currently undergoing
	Run 4	FMI-GR-LEH-QT	
	Run 5	CSI (VSP/Checkshot survey; Rig source zero offset)	
	Run 6	CST-GR (sidewall cores)	

GAS:

Several peaks were associated with the introduction of gas into the annulus during the MDT pumping routine. The maximum gas peak recorded was:

20% Total Gas. C1 / C2 / C3 / C4n / C4l / C5 ratio (96 / 3 / 1 / tr / tr / /tr). Trace CO₂.

WELLSITE GEOLOGISTS

M. Bilek / G. Weste

REG No. 01/01513

Thylacine-1 Drilling

Carol Bacon
From: Bruce.Armour@nre.vic.gov.au
Sent: Tuesday, 22 May 2001 9:20 AM
To: cbacon@mrt.tas.gov.au
Subject: Thylacine Suspension Approval

Carol;

I have been discussing plug and abandonment or suspension options and designs with Woodside for Thylacine/Geographe.

Woodside will now most likely decide that they wish to suspend Thylacine.

The following is a preliminary email request for approval.

The questions that they refer to were some concerns which I had that the well may stay "suspended" for a very long time. This would be if it was a marginal discovery or if the market took time to mature. Given the length of the gas column we now see I have no real problems with the Woodside proposal to suspend or with the mechanical design.

If there is any remaining concern we could add to the approval a condition that Origin/Woodside must provide within one year, and at successive one year intervals, a report describing plans for re-entry to test, complete or permanently abandon the well.

How do wish to handle this. Will I approve on your behalf, or will you correspond with them directly.

Regards;

Bruce Armour.

----- Forwarded by Bruce Armour/NRE on 05/21/2001 04:04 PM

Gary.Jones@woodside.com.au on 05/18/2001 05:14:57 PM

To: bruce.armour@nre.vic.gov.au
cc: (bee: Bruce Armour/NRE)
Subject: Thylacine Suspension Approval

Bruce,

Attached is the Thylacine Suspension program for you approval. Note that final logs will be obtained first prior to Woodside & Origin committing to a suspension of the well, though, I have sent this option as the current "most likely" scenario.

You will note in the suspension that the "surface plug" has been located adjacent to cement in the 12-1/4 x 9-5/8" annulus to ensure there are two permanent barriers to surface. This leaves the well in a state arguably as robust as any permanent P&A.

To answer your questions as raised in your previous note:

I have added dimensions of what the seabed assembly will comprise. Note that it is our intent to retrieve the Permanent Guide Base (PGB) and leave

only the Temporary Guide Base (TGB) and well head behind. This minimises the snag hazard on the seabed for local fishing and is less obtrusive than the Minerva wells currently suspended in the Otway basin in shallower water with their PGB's in place.

In terms of assurances that we will be back, Woodside is serious about developing an economic suspension in the Otway Basin. This is demonstrated through Woodside's Australian Gas Division permanently located in Melbourne that is actively seeking a market for Otway gas. In fact the marketing department are planning a rig visit for potential customers whilst we are on location at Geographe-1. In addition, in the last year Woodside has entered into a partnership in Victoria called Pulse Energy that has the specific purpose of marketing energy resources to Victoria and the Eastern States.

We are also actively planning an appraisal well for the Thylacine discovery, called Thylacine-2, in which it would be intended to production test the well. This well is may be drilled as early as mid July (directly after the Esso "Pilchard" well) though final commitment to drilling this is subject to evaluation of data from Thylacine-1 and Joint Venture approval.

Regarding the evaluation of Thylacine-1 without a well test please refer to the appended Woodside document I have extracted from a report by our Asset Team. Note also that by suspending the well rather than abandonment, the option to test at a later date remains open should wireline evaluation be inconclusive. At worst, for long term suspension of Thylacine-1, the well will be left in a state as robust as a P&A'd well with the wellhead posing the only probable hazard which is minimised by removal of the PGB.

<<Thylacine Well Test vs MDT.doc>>

<<Thylacine-1 P & A Prog Success Case.doc>>

Please don't hesitate to call me if you have any queries on the scope of works as programmed. If you have further queries on Woodside's future intentions for the Otway Basin the Woodside Asset team have offered to call you to discuss. Give me a call if you wish for me to arrange this.

Regards,
Gary Jones
Woodside - MODU Drilling Team
x5278



Mac Word 3.0 Mac Word 3.0

Thylacine/Geographe Drilling: MDT sampling/analysis vs Well Testing

The proposed data acquisition program for Thylacine-1 and Geographe-1 is based on a combination of low-shock fluid sampling (Schlumberger's MDT tool) and onsite fluid analysis (Petrotech's Smartlab mobile laboratory) in preference to conventional well testing. This is based on the expectation that through careful planning and execution, representative reservoir fluid samples can be taken which will yield all critical fluid information required to progress a potential gas discovery to the appraisal and/or development phase.

The following information explains the advantages of low-shock MDT fluid sampling which is the preferred option for reservoir fluid sampling in Woodside and outlines the planned onsite reservoir fluid analysis:

1) Conventional wireline formation sampling techniques involve opening the formation to piston chambers held at atmospheric pressure. The resulting drawdown can be very violent, causing extremely high flow rates at the probe, and can result in a variety of problems including:

- rapid pressure changes in the sampled formation fluids resulting in phase and compositional changes in the fluids, with the appearance of gas, condensate drop-out and/or precipitation of solids (e.g. asphaltenes); this could lead to the fluid sample being non-representative.
- mobilisation of matrix grains, which can cause seal failures and plugging in the flow line.

In contrast, low-shock sampling techniques involve minimal drawdown, with formation fluids actively pumped into sample chambers against pistons held at borehole pressure. These techniques result in more efficient fluid sampling, with fewer seal failures and reduced probe plugging. Low-shock techniques also facilitate the acquisition of PVT quality fluid samples, with single phase capture and no changes in fluid composition.

The quality of fluid samples acquired using low-shock techniques can be preserved by overpressuring the sample chambers before the tool is pulled to surface. Overpressuring compensates for the temperature-induced pressure drop, and potential fluid phase and compositional changes, as the samples are returned to surface.

2) In addition to this technique, onsite fluid analysis using a mobile offshore PVT laboratory (Smartlab) will allow for a rapid determination of the validity and quality of the sampled reservoir fluids. The validity of all acquired fluid samples will be assessed by comparison of the sample chamber opening pressures with the measured reservoir pressure. Fluid analysis of a number of selected samples will include determination of compositional data by means of gas chromatography, CGR and fluid density at reservoir conditions. The ability to validate and analyse reservoir fluid samples immediately following the sampling process will be essential in order to determine if these samples are representative of if additional samples need to be taken. These results will also provide early reservoir fluid data will be calibrated against results from onshore laboratory analysis to be carried out at a later stage.

Thylacine-1 Proposed Plug and Abandonment Programme

Thursday, May 17, 2001
All depths MD RT.

Program commences at completion of running & cementing liner.

1. Run in hole with 7" EZSV and set at ± 1780 m (30m below top of liner) with cementing string comprising two stands of 3½" drill pipe & 5" drill pipe to surface. Beware when entering liner top at ± 1750 mRT.
2. Un-sting from EZSV and pressure test EZSV to 1000psi.
3. **Cement Plug #1** Set 70m balanced cement plug of 1.9sg "G" cement from 1780 – 1710m. No tag required as plug is set on EZSV base.
4. POOH to 2 stands above top of cement (± 1650 m) & rotate and circulate 2 x drill string volume.
5. Set *inhibited* Hi-Vis pill weighted at 1.5sg from 1650 - 1300m.
6. POOH to 1300m.
7. **Cement Plug #2** Set 50m balanced cement plug of 1.9sg "G" cement from 1300 – 1250m.

Note: this plug is intended to be set below TOC in the annulus to provide a second permanent barrier. Annulus TOC should be confirmed with DSI (sonic) log and cement plug location adjusted as required.

8. POOH to 2 stands above top of cement (± 1190 m) & rotate and circulate 2 x drill string volume to ensure no cement around drill string.
9. Displace cased hole to *inhibited* mud.
10. WOC. Lay out drill pipe if required in preparation for rig tow. (Balance the need to lay out at this time against later during pulling secondary anchors)
11. RIH and tag TOC (± 10 kips) to confirm location of plug. If plug top is low be prepared to spot another plug if required.
12. POOH again laying out drill pipe if required.
13. Unlatch BOP and recover riser & BOP.
14. Run in hole with PGB retrieval tool and retrieve PGB. Ensure the ROV has already disconnected the PGB/TGB chains off critical path.
15. Make up and run wellhead corrosion cap and install same. Spot approx 1 bbl of soluble oil to fill wellhead under corrosion cap. Commence pulling secondary anchors as soon as running string is released.
16. Pull out of hole with drill string. ROV to cut guidelines for retrieval off critical path.
17. Conduct a seabed survey with ROV (off critical path)
18. Pull remaining anchors in preparation for drill draft rig move.

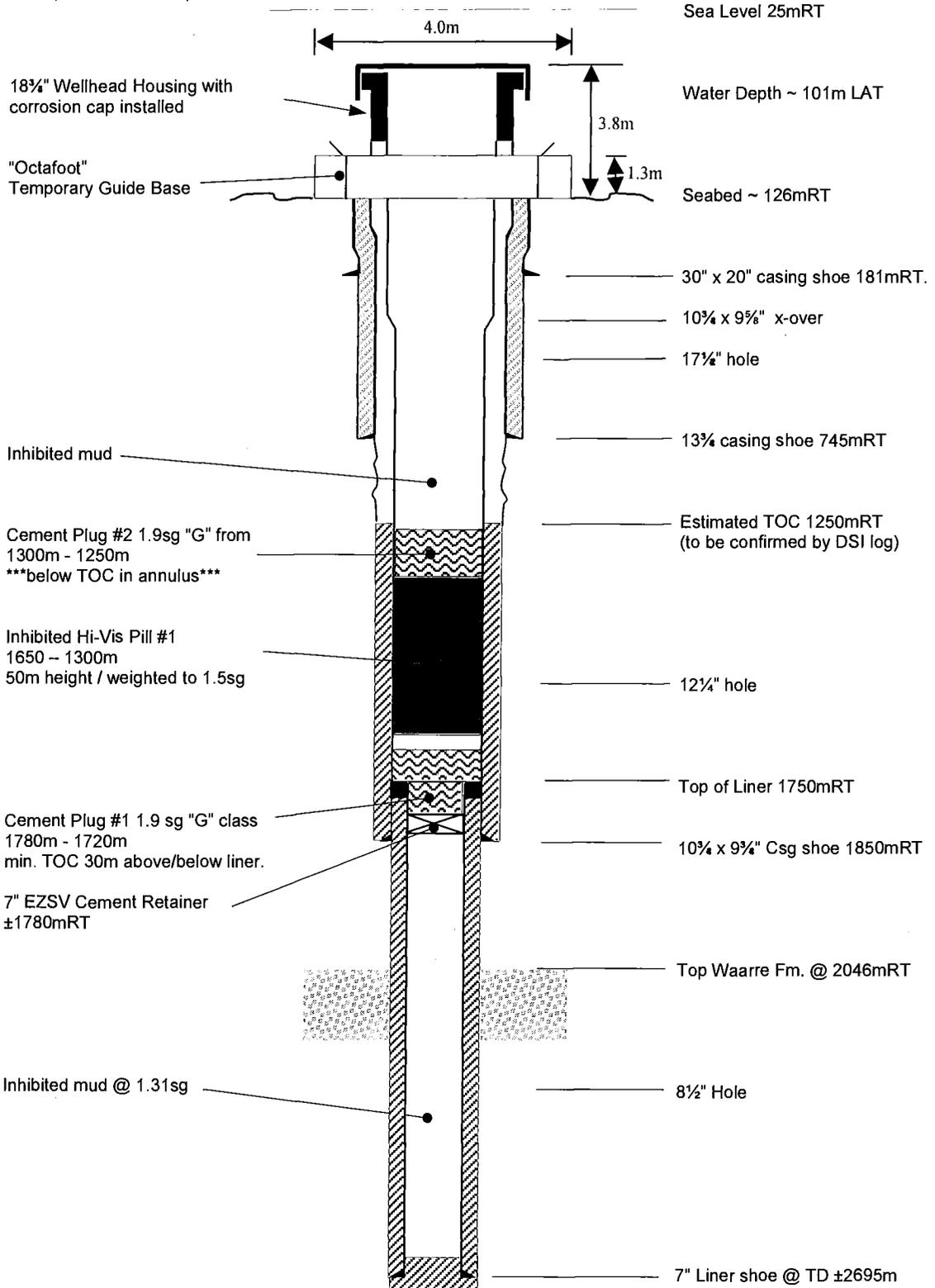
Note: Refer also to detailed procedures and precautions in the DOG Section 13.

Thylacine-1 Suspension Schematic

Well: Thylacine-1
Permit: T30/P

Prepared by: G. Jones
Approved by: F. Barker

All depths RT unless specified



24

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Tuesday, 22 May 2001 13:36
 To: Andy Whittle (E-mail); 'Benaris' (E-mail); Sheng2 (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
 Subject: FW: Thylacine-1 geological report



Thylacine-1(draftDGR1
 5_210501_...

-----Original Message-----

From: Bilek, Milan M. [mailto:Milan.Bilek@woodside.com.au]
 Sent: Tuesday, May 22, 2001 8:04 AM
 To: BARKER, FRANK; BRUINS, JEROEN; BUSSELL, ROYD; CLIFF, DAVID; KELLY, JON; OceanB_DrlgEngr; OceanB_WSM; RAPAIC, MICHAEL; RIBUL, WERNER; ric.jason@upstream.originenergy.com.au; SHUSTER, MARK
 Subject: Thylacine-1 geological report

<<Thylacine-1(draftDGR15_210501_2710m_Rpt).doc>>

Regards,

Milan Bilek / Griff Weste
 (Wellsite Geologists - Thylacine-1)
 Ocean Bounty

MINERAL RESOURCES		
FILE REF: <i>Thylacine 1 Drilling</i>		
23 MAY 2001		
DCC. REF:		
OFFICER	FOR ACTION	FOR INFO
<i>CAB</i>		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	

**CONFIDENTIAL**

Date:	21 May 2001	Last Casing:	9 5/8" @ 1849.9 mMDRT
Report Number:	15	LOT:	2.1 sg @ 1859 mMDRT
Report Period:	00:00-24:00 Hours	Mud Weight:	1.34 sg
Depth @ 24:00 Hours:	2710 mMDRT	ECD	N/A
Depth (mTVDRT)	2709.3 mMDRT	Mud Type:	KCl / PHPA / Glycol
Lag Depth:	2710 mMDRT	Mud Chlorides:	59000 mg/litre
Last Depth:	2710 mMDRT	Est. Pore Press:	1.20 sg
Progress:	0 m	Last Survey Depth:	2447.71 m MDRT
Water Depth:	101.4 m LAT	Deviation:	1.48° @ 41.38° azimuth
RT-Sea Level:	25 m	Bit Diameter:	8 1/2"

OPERATIONS SUMMARY

24 HOUR SUMMARY: *Continued running MDT pre-test and sampling program. Finished sampling at 2344.5 MDRT and attempted to pull out of hole. Cable differentially stuck – unable to pull free. Rigged up and commenced cut and thread operation.*

NEXT 24 HOURS: *Complete recovery of MDT tool, recover samples, run wiper trip, continue with Suite 2 logs as per program.*

CURRENT OPERATION @ 06:00 Hrs 20/05/2001: *Preparing to break wireline weak point (MDT tool string engaged with overshot).*

GEOLOGICAL SUMMARY**LITHOLOGY:**

No drilling occurred during this period.

MUDLOGGING EQUIPMENT/PERSONNEL

All operational

WIRELINE

Suite 2,	Run 1	(PEX-DSI-GPIT)	completed.
	Run 2	MDT-GR-LEH-QT	in progress.
	Run 3	MSCT-GR (25)	
	Run 4	FMI-GR-LEH-QT	
	Run 5	CSI (VSP/Checkshot survey; Rig source zero offset)	
	Run 6	CST-GR (sidewall cores)	

MUD DETAILS

BHT (by downhole sensor)	113.5 @ 2628 mMDRT (pre-test point)
Rmf	0.074 @ 20°C
Rm	0.094 @ 20°C
Rmc	0.455 @ 20°C
KCl	8.0% by weight
Chlorides	59000 mg/l
Barytes	6.1% by weight

WELLSITE GEOLOGISTS

M. Bilek / G. Weste

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Tuesday, 22 May 2001 12:02
 To: Andy Whittle (E-mail); 'Benaris' (E-mail); Sheng2 (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
 Subject: FW: Thylacine-1 DDR18 210501



Dailyreport.pdf

> -----Original Message-----

> From: Forster, Jo J. [mailto:Jo.Forster@woodside.com.au]
 > Sent: Tuesday, May 22, 2001 11:53 AM
 > To: BUSSELL, ROYD; CLIFF, DAVID; FALLOON, STEVE; HOBSON, STEVE; Jenny Bauer (E-mail); KELLY, JON; RAPAIC, MICHAEL; RIBUL, WERNER; Ric Jason (E-mail); SHUSTER, MARK
 > Subject: Thylacine-1 DDR18 210501

> Dear All,
 > Please find attached DDR18 for Thylacine-1 for 21/05/01
 > <<Dailyreport.pdf>>

> Kind Regards

> Jo Forster
 > Technical Assistant
 > Modu Team
 > Well Engineering

> Tel: 9348 4726
 > Fax: 9348 5255
 > Email: jo.forster@woodside.com.au

MINERAL RESOURCES		
FILE REF: <i>Thylacine-1 Drilling</i>		
22 MAY 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
<i>CAB</i>		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

22/05/2001 9:49:08 AM

THYLACINE-1

Report # : 18 Date : 21/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 04/05/01 0:00

Days on Well :	18	Depth (m) :	2710	Supervisor(s):	M.Jackson & C.Gregory
Days from Spud :	16.9	TVD (m) :	2710	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	26.6	Progress(m) :	2710		
Progress Budget Days (P50):	21.1	Rig Heading(°):	251		
AFE Cost :	\$13,700,000				
Cumulative Cost :	\$10,367,190				

Ops 00:00 to 06:00 : Continued to strip over wireline with 5" drill pipe. Circulated bottoms up at shoe, maximum gas 2%. Continued to strip in hole with overshot to top of tool at 2318m. Caught tool and confirmed tool latched in overshot.

Ops Summary (24 hrs) : Continued with log #2 MDT. Unable to free tool from final sample point at 2339m. Rigged up for cut and thread. Stripped in hole over wireline with overshot on 5" drillpipe.

Start	Hours	Depth (m)	DT/ILT	Operations
8 1/2"				
0:00	16.00	2710	2 d03	Continued to run log # 2 MDT. Unable to retrieve tool from final sample point at 2339m. Attempted to work free without success.
16:00	2.50	2710	2.5 d03	Held JSA. Rigged up to strip over wireline with overshot on 5" drill pipe. Simultaneously circulated riser volume through open choke line. Maximum gas recorded 0.05%.
18:30	5.50	2710	5.5 d03	Commenced running in hole with overshot, stripping over wireline to 1450m.
Report Duration (in hours)		24		



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

22/05/2001 9:49:09 AM

THYLACINE-1

Report # : 18 Date : 21/05/2001

Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 04/05/01 0:00

<p style="text-align: center;">Casing - Mud and Survey Data</p> <p>Last casing: 9-5/8" @ 1849.9mRT Liner: Last BOP: 13/05/2001</p> <p>Mud type : Aquadril Mud density : 1.34</p> <p>Mud and/or Survey comments:</p>	<p style="text-align: center;">Riser</p> <p>Riser tension : 272,000 klbs Riser angle : 0.25 Hole position : Comments :</p>
--	---

Weather Information

Wave (m): 1.5 Swell (m): 2.4 Wind (kn): 22 kts @ 265 degree
Temp (°C): 16 Heave (m): 2 Pitch (°): 0.7 Roll (°): 0.7
Rig Heading(°): 251
Weather comments: Fine

Support Vessel Movements

P Conqueror: On Standby
P Sentinel: en route to Portland

OHSE Reports

	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	3
Stop Cards :	5	159
Stop Tours :	0	16
Days since last LTI :		1330

Materials

Barite (t or sx)	2068	Fuel (m3)	320.7
Gel (t or sx)	1572	HeliFuel(ltrs)	7062
Brine (m3)	0	Drill Water (m3)	735
Cement (t or sx)	706	Pot Water (m3)	81
Blend (t or sx)	597		
Base oil (m3)	0		

Personnel on Board

WEL	8	BHI Logging	4
DOGC	61	Anadril Schlumberger	0
Stdt Comex	3	Dril-Quip	0
Halliburton	1	Dowell	0
BHI Mud	2	Security DBS	0
Schlumberger	8	Origin Energy	0
Sperry Sun	0	Fugro	0
Petrotech	2	Weatherford	4
Total POB :			93

Notes/Memo

No incidents or accidents reported in the last 24hrs.

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Monday, 21 May 2001 17:22
 To: Andy Whittle (E-mail); 'Benaris' (E-mail); Sheng2 (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
 Subject: FW: pm report from Thylacine-1



Thylacine-1(pmreport_210501_27...

> -----Original Message-----
 > From: Rapaic, Michael M. [mailto:Michael.Rapaic@woodside.com.au]
 > Sent: Monday, May 21, 2001 4:35 PM
 > To: JENNY BAUER (E-mail); MARK MUSSARED (E-mail); RIC JASON (E-mail);
 > STUART TYE (E-mail)
 > Cc: BARKER, FRANK; BUSSELL, ROYD; CLIFF, DAVID; JONES, GARY; KELLY, JON;
 > RIBUL, WERNER; SHUSTER, MARK
 > Subject: FW: pm report from Thylacine-1

> <<Thylacine-1(pmreport_210501_2710m_Rpt).doc>>

> Mike Rapaic
 > UNVE-SA Geological Services Team
 > Senior Operations Geologist
 > Ph. 08 9 348 4317
 > Fax: 08 9 348 4660
 > A/H. 08 9 364 8704
 > Mob. 041 793 4585
 > E-mail:michael.m.rapaic@woodside.com.au

MINERAL RESOURCES		
FILE REF: Thylacine-1 Drilling		
22 MAY 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
CAB		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	



AFTERNOON GEOLOGICAL REPORT
(for internal distribution only)

WELL: Thylacine-1
DATE: 21/05/01

Depth @ 15:00 hrs EST	2710 m MDRT
Progress since 06:00 hrs	Nil
Current operation	Preparing for cut and thread operation to retrieve MDT tool string.
Operations since 06:00 hrs	Took gas and water samples with MDT. Attempted to pull free after taking last water sample at 2344.5 mMDRT. Unable to pull free – cable differentially stuck.
Current Lithology	N/A
ROP min-max (av)	N/A
Forward Plan	Conduct cut and thread operation. Retrieve MDT tool string and continue with wireline program.

WELLSITE GEOLOGISTS
M. Bilek / G. Weste

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Monday, 21 May 2001 12:09
 To: 'Benaris' (E-mail); Andy Whittle (E-mail); Sheng Yu (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
 Subject: FW: Thylacine Weekend Reports



Thylacine-1 DDR15
180501.pdf



Thylacine-1 DDR16
190501.pdf



Thylacine-1 DDR17
200501.pdf

> -----Original Message-----

> From: Forster, Jo J. [mailto:Jo.Forster@woodside.com.au]
 > Sent: Monday, May 21, 2001 12:01 PM
 > To: BUSSELL, ROYD; CLIFF, DAVID; FALLOON, STEVE; HOBSON, STEVE; Jenny Bauer (E-mail); KELLY, JON; RAPAIC, MICHAEL; RIBUL, WERNER; Ric Jason (E-mail); SHUSTER, MARK
 > Subject: Thylacine Weekend Reports

> Dear All,

> Please find attached Thylacine Weekend Reports.

> Kind Regards

> <<Thylacine-1 DDR15 180501.pdf>> <<Thylacine-1 DDR16 190501.pdf>>
 > <<Thylacine-1 DDR17 200501.pdf>>

> Jo Forster
 > Technical Assistant
 > Modu Team
 > Well Engineering
 > Tel: 9348 4726
 > Fax: 9348 5255
 > Email: jo.forster@woodside.com.au

MINERAL RESOURCES		
FILE REF: Thylacine-1 Drilling		
21 MAY 2001		
DOC. REF:		
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CAB		✓
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Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

21/05/2001 9:49:40 AM

Report # : 15 Date : 18/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 04/05/01 0:00

Days on Well :	15	Depth (m) :	2710	Supervisor(s):	D.Bel & C.Gregory
Days from Spud :	13.9	TVD (m) :	2710	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	26.6	Progress(m) :	197		
Progress Budget Days (P50):	18.6	Rig Heading(°):	251		
AFE Cost :	\$13,700,000				
Cumulative Cost :	\$8,907,322				

Ops 00:00 to 06:00 : Continued to back ream out of hole from 2424m to 2165m. Pooh to 2048m. RIH for wiper trip to 2710m. Circulated bottoms up.

Ops Summary (24 hrs) : Dilled 8.5" hole from 2513m to TD at 2710m. Circulated bottoms up. Flow checked well. POOH, worked tight spots. Unable to work past 2555m. Back reamed out of hole from 2555m to 2424m

Start	Hours	Depth (m)	DT/ILT	Operations
8 1/2"				
0:00	19.50	2710	0	Continued to drill 8.5" hole from 2513m to 2710m -(section TD).
19:30	1.50	2710	0	Circulated hole clean prior to POOH. Flow checked well - static.
21:00	0.75	2710	0.75 DO4	POOH from 2710m to 2555m working tight spots and wiping clean. Unable to work through tight spot at 2555m.
21:45	2.25	2710	2.25 DO4	Washed and backreamed out of hole from 2555m to 2424m. Worked each stand until clean.
Report Duration (in hours)		24		



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

21/05/2001 9:49:41 AM

THYLACINE-1

Report # : 15 Date : 18/05/2001

Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 04/05/01 0:00

Casing - Mud and Survey Data		Riser
Last casing: 9-5/8" @ 1849.9mRT		Riser tension : 280,000 klbs
Liner:		Riser angle : 0.25
Last BOP: 13/05/2001		Hole position :
		Comments :
Mud type : Aquadrill	Mud density : 1.34	
Mud and/or Survey comments:	Added gluteraldehyde on final circulation to inhibit bacterial degradation of the mud system.	

Weather Information	
Wave (m): 2.4	Swell (m): 4.6 Wind (kn): 25 knots @160 deg
Temp (°C): 16	Heave (m) : 3 Pitch (°): 1.5 Roll (°): 1.8
Rig Heading(°): 251	
Weather comments:	Wind and seas abating

Support Vessel Movements
P Conqueror: En route to rig from Portland
P Sentinel: On standby

OHSE Reports		
	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	3
Stop Cards :	4	139
Stop Tours :	0	16
Days since last LTI :		1327

Materials			
Barite (t or sx)	2068	Fuel (m3)	348.1
Gel (t or sx)	1572	HeliFuel(ltrs)	7749
Brine (m3)	0	Drill Water (m3)	832
Cement (t or sx)	706	Pot Water (m3)	91
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board			
WEL	8	BHI Logging	6
DOGC	62	Anadril Schlumberger	2
Stolt Comex	3	Dril-Quip	0
Halliburton	1	Dowell	0
BHI Mud	2	Security DBS	0
Schlumberger	8	Origin Energy	0
Sperry Sun	0	Fugro	0
Petrotech	2		0
Total POB :			94

Notes/Memo

No incidents or accidents reported in the last 24hrs.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

21/05/2001 9:57:03 AM

THYLACINE-1

Report # : 16 Date : 19/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 04/05/01 0:00

Days on Well :	16	Depth (m) :	2710	Supervisor(s):	D.Bell & C.Gregory
Days from Spud :	14.9	TVD (m) :	2710	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	26.6	Progress(m) :	0		
Progress Budget Days (P50):	20.1	Rig Heading("):	251		
AFE Cost :	\$13,700,000				
Cumulative Cost :	\$9,454,390				

Ops 00:00 to 06:00 : Continued to lay out log #1. Made up and function tested log #2 MDT. RIH with Log #2 MDT at 01:45hrs.

Ops Summary (24 hrs) : Back reamed out of hole to 2173m. POOH to 1962m. RIH to 2710m for wiper trip. Circulated bottoms up. POOH. Laid out FEWD, 1 x DC and Roller reamer. Rigged up logs. Ran log #1 - PEX/GPIT/DSI/HRLA/HNGS/LEH.

Start	Hours	Depth (m)	D77 /LT	Operations
8 1/2"				
0:00	3.50	2710	3.5 DO4	Continued to wash and back ream out of hole from 2424m to 2173m.
3:30	0.50	2710	0	POOH from 2173m to 1962m. Hole condition good.
4:00	1.75	2710	0	RIH to 2710m and tagged bottom. No tight spots and minimal fill on bottom.
5:45	0.75	2710	0	Circulated bottoms up while working pipe.
6:30	2.00	2710	0	Flow checked well - static. POOH. SLM.
8:30	3.50	2710	0	Flow checked at shoe - static. Pumped slug and continued to pull out of hole.
12:00	0.75	2710	0	POOH with BHA
12:45	0.25	2710	0	Downloaded ANADRIL FEWD tool in rotary table.
13:00	1.00	2710	0	Laid out 1 x 6.5" DC, PBL sub, 8.5" Roller reamer, FEWD tools, bit sub and bit.
14:00	0.50	2710	0	Held JSA and rigged up Schlumberger wireline.
14:30	9.50	2710	0	Prepared and ran log #1 PEX/DSI/HRLA/GPIT/HNGS/LEH. Loggers depth 2711m.
Report Duration (in hours)		24		



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

21/05/2001 9:57:05 AM

Report # : 16 Date : 19/05/2001

Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 04/05/01 0:00

Casing - Mud and Survey Data		Riser
Last casing: 9-5/8" @ 1849.9mRT		Riser tension : 280,000 klbs
Liner:		Riser angle : 0.25
Last BOP: 13/05/2001		Hole position :
		Comments :
Mud type : Aquadrill	Mud density : 1.34	
Mud and/or Survey comments:		

Weather Information	
Wave (m): 1.5	Swell (m): 2.4 Wind (kn): 25 knots @240 deg
Temp (°C): 16	Heave (m): 2 Pitch (°): 0.8 Roll (°): 0.8
Rig Heading(°): 251	
Weather comments: Showers	

Support Vessel Movements
P Conqueror: On Standby
P Sentinel: At Portland

OHSE Reports		
	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	3
Stop Cards :	7	146
Stop Tours :	0	16
Days since last LTI :		1328

Materials			
Barite (t or sx)	2068	Fuel (m3)	337.2
Gel (t or sx)	1572	HeliFuel(ltrs)	7749
Brine (m3)	0	Drill Water (m3)	762
Cement (t or sx)	706	Pot Water (m3)	89
Blend (t or sx)	597		
Base oil (m3)	0		

Personnel on Board			
WEL	8	BHI Logging	6
DOGC	62	Anadril Schlumberger	2
Stolt Comex	3	Dril-Quip	0
Halliburton	1	Dowell	0
BHI Mud	2	Security DBS	0
Schlumberger	8	Origin Energy	0
Sperry Sun	0	Fugro	0
Petrotech	2		0
Total POB :			94

Notes/Memo

No incidents or accidents reported in the last 24hrs. Bit grade 3/4/WT/X/1/A/CT/TD.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

21/05/2001 9:58:56 AM

Report # : 17 Date : 20/05/2001

Page : 2

Well Permit : T/30P

Rig: Ocean Bounty

Water Depth (m): 101

Well Start:

04/05/01 0:00

Casing - Mud and Survey Data

Last casing: 9-5/8" @ 1849.9mRT
Liner:
Last BOP: 13/05/2001

Mud type : Aquadrill Mud density : 1.34

Mud and/or
Survey comments:

Riser

Riser tension : 272,000 klbs
Riser angle : 0.25
Hole position :
Comments :

Weather Information

Wave (m): 1.8 Swell (m): 2.4 Wind (kn): 30 kts @ 265 degree
Temp (°C): 17 Heave (m): 2 Pitch (°): 0.8 Roll (°): 0.8
Rig Heading(°): 251
Weather comments: Fine

Support Vessel Movements

P Conqueror: On Standby
P Sentinel: At rig

OHSE Reports

	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	3
Stop Cards :	8	154
Stop Tours :	0	16
Days since last LTI :		1329

Materials

Barite (t or sx)	2068	Fuel (m3)	329
Gel (t or sx)	1572	HeliFuel(ltrs)	7749
Brine (m3)	0	Drill Water (m3)	747
Cement (t or sx)	706	Pot Water (m3)	84
Blend (t or sx)	597		
Base oil (m3)	0		

Personnel on Board

WEL	8	BHI Logging	6
DOGC	62	Anadril Schlumberger	2
Stolt Comex	3	Dril-Quip	0
Halliburton	1	Dowell	0
BHI Mud	2	Security DBS	0
Schlumberger	8	Origin Energy	0
Sperry Sun	0	Fugro	0
Petrotech	2		0
Total POB :			94

Notes/Memo

No incidents or accidents reported in the last 24hrs.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

21/05/2001 9:58:56 AM

THYLACINE-1

Report # : 17 Date : 20/05/2001

Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 04/05/01 0:00

Days on Well :	17	Depth (m) :	2710	Supervisor(s):	D.Bell & C.Gregory
Days from Spud :	15.9	TVD (m) :	2710	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	26.6	Progress(m) :	0		
Progress Budget Days (P50):	21.1	Rig Heading(°):	251		
AFE Cost :	\$13,700,000				
Cumulative Cost :	\$9,982,861				

Ops 00:00 to 06:00 : Continued to run log #2 MDT.

Ops Summary (24 hrs) : Continued to lay out Log#1. Made up and ran log #2 MDT.

Start	Hours	Depth (m)	DT/ILT	Operations
8 1/2"				
0:00	0.50	2710	0	Continued to lay down log #1
0:30	23.50	2710	0	Run log # 2 MDT.
Report Duration (in hours)			24	



CONFIDENTIAL

Date:	20 May 2001	Last Casing:	9 5/8" @ 1849.9 mMDRT
Report Number:	14	LOT:	2.1 sg @ 1859 mMDRT
Report Period:	00:00-24:00 Hours	Mud Weight:	1.34 sg
Depth @ 24:00 Hours:	2710 mMDRT	ECD	N/A
Depth (mTVDRT)	2709.3 mMDRT	Mud Type:	KCl / PHPA / Glycol
Lag Depth:	2710 mMDRT	Mud Chlorides:	59000 mg/litre
Last Depth:	2710 mMDRT	Est. Pore Press:	1.20 sg
Progress:	0 m	Last Survey Depth:	2447.71 m MDRT
Water Depth:	101.4 m LAT	Deviation:	1.48° @ 41.38° azimuth
RT-Sea Level:	25 m	Bit Diameter:	8 1/2"

OPERATIONS SUMMARY

24 HOUR SUMMARY: Rigged up Run 2 MDT. Ran in hole and conducted 75 pretests (45 valid, 15 tight, 13 seal failures and 2 supercharged. Took 2 gas samples at 2053.8 mMDRT. Preliminary gas gradient calculated to be 0.247 psi per metre.

NEXT 24 HOURS: Complete Run 2 MDT (sampling) and continue with Suite 2 logs as per program.

CURRENT OPERATION @ 06:00 Hrs 20/05/2001: Pumping out prior to taking gas samples (2) at 2165.8

GEOLOGICAL SUMMARY

LITHOLOGY:

No drilling occurred during this period.

MUDLOGGING EQUIPMENT/PERSONNEL

All operational

WIRELINE

Suite 2,	Run 1	(PEX-DSI-GPIT)	completed.
	Run 2	MDT-GR-LEH-QT	in progress.
	Run 3	MSCT-GR (25)	
	Run 4	FMI-GR-LEH-QT	
	Run 5	CSI (VSP/Checkshot survey; Rig source zero offset)	
	Run 6	CST-GR (sidewall cores)	

MINERAL RESOURCES		
FILE REF: <i>Thylacine-1</i>		
21 MAY 2001 <i>Drilling</i>		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
<i>CAB</i>		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	

MUD DETAILS

BHT (by downhole sensor)	113.5 @ 2628 mMDRT (pre-test point)
Rmf	0.074 @ 20°C
Rm	0.094 @ 20°C
Rmc	0.455 @ 20°C
KCl	8.0% by weight
Chlorides	59000 mg/l
Barytes	6.1% by weight

WELLSITE GEOLOGISTS

M. Bilek / G. Weste



Woodside Offshore Petroleum Pty. Ltd.

A.C.N. 008 945 097
(Incorporated in Western Australia)

No. 1 Adelaide Terrace, Perth, W.A. 6000
Box D188, G.P.O., Perth, Western Australia 6001.
Telephone: 224 4111 Cables: Woodev Perth Telex: AA92326

19A

TRANSMITTAL

No. 01-59

DNRE
PO BOX 56
Rosny Park 7018
TASMANIA

DATE: 18th May 2001

ATTENTION: MR. Tony Brown

The enclosed documents, listed below, are forwarded for your attention. Would you please acknowledge their receipt by signing and returning the yellow copy attached.

ITEM No.	DESCRIPTION																														
1	<p>1 ADC DAILY DRILLING REPORTS #'s 1-10 for Thylosine-1.</p> <div data-bbox="502 1265 774 1769" data-label="Form"> <table border="1"> <tr><th colspan="3">MINERAL RESOURCES</th></tr> <tr><td>FILE REF:</td><td colspan="2">Thylosine-1-Drilling</td></tr> <tr><td colspan="3">28 MAY 2001</td></tr> <tr><td colspan="3">DOC. REF:</td></tr> <tr> <td>OFFICER</td> <td>FOR ACTION</td> <td>FOR INFO</td> </tr> <tr> <td colspan="3">K. L. ...</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr> <td>RESUBMIT TO</td> <td colspan="2">DATE</td> </tr> </table> </div> <p>received [Signature]</p>	MINERAL RESOURCES			FILE REF:	Thylosine-1-Drilling		28 MAY 2001			DOC. REF:			OFFICER	FOR ACTION	FOR INFO	K. L. ...												RESUBMIT TO	DATE	
MINERAL RESOURCES																															
FILE REF:	Thylosine-1-Drilling																														
28 MAY 2001																															
DOC. REF:																															
OFFICER	FOR ACTION	FOR INFO																													
K. L. ...																															
RESUBMIT TO	DATE																														

FROM: K. L. ...

RECEIVED BY:

DATE:

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Friday, 18 May 2001 11:54
 To: Andy Whittle (E-mail); 'Benaris' (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
 Subject: FW: Thylacine-1 DDR14 17/05/01



Dallyreport.pdf

> -----Original Message-----

> From: Forster, Jo J. [mailto:Jo.Forster@woodside.com.au]
 > Sent: Friday, May 18, 2001 11:51 AM
 > To: BUSSELL, ROYD; CLIFF, DAVID; FALLOON, STEVE; HOBSON, STEVE; Jenny Bauer (E-mail); KELLY, JON; RAPAIC, MICHAEL; RIBUL, WERNER; Ric Jason (E-mail); SHUSTER, MARK
 > Subject: Thylacine-1 DDR14 17/05/01

> Dear All,

> Please find attached Thylacine-1 DDR14 for 17/05/01.
 > <<Dailyreport.pdf>>
 > Kind Regards
 > Kathleen

> Jo Forster
 > Technical Assistant
 > Modu Team
 > Well Engineering
 > Tel: 9348 4726
 > Fax: 9348 5255
 > Email: jo.forster@woodside.com.au

MINERAL RESOURCES		
FILE REF: <i>Thylacine 1</i>		
18 MAY 2001		
DOC. REF:		
OFFICER*	FOR ACTION	FOR INFO
<i>CAB</i>		<i>✓</i>
RESUBMIT TO	DATE	



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

18/05/2001 9:46:51 AM

Report # : 14 Date : 17/05/2001 Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 04/05/01 0:00

Casing - Mud and Survey Data		Riser
Last casing:	9-5/8" @ 1849.9mRT	Riser tension : 280,000 klbs
Liner:		Riser angle : 0.25
Last BOP:	13/05/2001	Hole position :
		Comments :
Mud type :	Aquadrill	Mud density : 1.32
Mud and/or	2447.1 m / 1.48inc / 41.38 Azi Displacement 21.85mN, 4.05m E	
Survey comments:		

Weather Information	
Wave (m):	3.7 Swell (m): 6.1 Wind (kn): 40 knots @180 deg
Temp (°C):	15 Heave (m): 5 Pitch (°): 3 Roll (°): 3
Rig Heading(°):	251
Weather comments:	Wind and rough seas

Support Vessel Movements	
P Conqueror:	Portland
P Sentinel:	On standby

OHSE Reports		
	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	3
Stop Cards :	6	135
Stop Tours :	0	16
Days since last LTI :		1326

Materials			
Barite (t or sx)	2068	Fuel (m3)	364.9
Gel (t or sx)	1572	HeliFuel(ltrs)	8436
Brine (m3)	0	Drill Water (m3)	674
Cement (t or sx)	706	Pot Water (m3)	89
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board			
WEL	6	BHI Logging	6
DOGC	62	Anadril Schlumberger	3
Stolt Comex	3		0
Halliburton	1		0
BHI Mud	2	Security DBS	2
Schlumberger	6		0
	0		0
Petrotech	1		0
Total POB :		92	

Notes/Memo

No incidents or accidents reported in the last 24hrs.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

18/05/2001 9:46:50 AM

THYLACINE-1

Report # : 14 Date : 17/05/2001

Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 04/05/01 0:00

Days on Well :	14	Depth (m) :	2513	Supervisor(s):	D.Bell & C.Gregory
Days from Spud :	12.9	TVD (m) :	2201	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	26.6	Progress(m) :	312		
Progress Budget Days (P50):	15.3	Rig Heading(°):	251		
AFE Cost :	\$13,700,000				
Cumulative Cost :	\$8,506,251				

Ops 00:00 to 06:00 : Continued to drill 8.5" hole from 2513m to 2580m. Resumed drilling in stands due to reduced heave as seas abated.

Ops Summary (24 hrs) : Drilled 8.5" hole from 2201m to 2513m. Drilled in doubles from 12:00hrs due to excessive heave arising from high seas.

Start	Hours	Depth (m)	DT/ILT	Operations
8 1/2"				
0:00	24.00	2513	0	Drilled 8.5" hole from 2201m to 2513m. Maximum background gas 8%. No drag.
Report Duration (in hours)		24		

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
Sent: Thursday, 17 May 2001 10:59
To: Andy Whittle (E-mail); 'Benaris' (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
Subject: FW: Thylacine-1 DDR13 16/05/01



Dailyreport.pdf

> -----Original Message-----

> From: Forster, Jo J. [mailto:Jo.Forster@woodside.com.au]
> Sent: Thursday, May 17, 2001 10:59 AM
> To: BUSSELL, ROYD; CLIFF, DAVID; FALLOON, STEVE; HOBSON, STEVE; Jenny Bauer (E-mail); KELLY, JON; RAPAIC, MICHAEL; RIBUL, WERNER; Ric Jason (E-mail); SHUSTER, MARK
> Subject: Thylacine-1 DDR13 16/05/01

> Dear All

> Please find attached Thylacine-1 DDR12 for 16/05/01.
> <<Dailyreport.pdf>>

> Kind Regards
> Kathleen for Jo

> Jo Forster
> Technical Assistant
> Modu Team
> Well Engineering
> Tel: 9348 4726
> Fax: 9348 5255
> Email: jo.forster@woodside.com.au

MINERAL RESOURCES		
FILE REF: <i>Thylacine-1 Drilling</i>		
17 MAY 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
<i>CAS</i>		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

17/05/2001 8:54:12 AM

THYLACINE-1

Report # : 13 Date : 16/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 04/05/01 0:00

Days on Well :	13	Depth (m) :	2201	Supervisor(s):	D.Bell & C.Gregory
Days from Spud :	11.9	TVD (m) :	2201	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	26.6	Progress(m) :	15		
Progress Budget Days (P50):	15.3	Rig Heading(°):	251		
AFE Cost :	\$13,700,000				
Cumulative Cost :	\$8,116,555				

Ops 00:00 to 06:00 : Continued to drill 8.5" hole. Gas peaks as follows 5.1% at 2229m, 4.87% at 2240m and 7.62% at 2256m. Depth at 06:00hrs 2269m.

Ops Summary (24 hrs) : Continued to cut core from 2186 to 2201mRT. POOH and laid out core barrels. Made up 8.5" BHA and RIH to 2145mRT. Washed and reamed FEWD/MWD from 2145 to 2201mRT.

Start	Hours	Depth (m)	DT/ILT	Operations
8 1/2"				
1:15	1.50	2201	0	Circulated bottoms up at 300gpm.
2:45	6.50	2201	0	POOH with core barrel from 2201m. Flow checked at shoe. O.K. Pumped slug and continued to POOH.
9:15	5.75	2201	0	Broke out core barrels. Laid out core and laid down core barrel. 36m of core cut , 35.7m recovered (99.3%). Made up 8.5" BHA #7 with new Hughes HC408, bit #6.
15:00	5.00	2201	0	RIH to 9-5/8" casing shoe at 1849.9mRT.
20:00	0.50	2201	0	Serviced Top Drive.
20:30	0.50	2201	0	RIH from 1849.9 to 2145mRT.
21:00	3.00	2201	2 DO3	Made up top drive and reamed FEWD/MWD across reservoir section from 2145m to 2201m.
Report Duration (in hours)		22.75		



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

17/05/2001 8:54:12 AM

Report # : 13 Date : 16/05/2001

Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 04/05/01 0:00

Casing - Mud and Survey Data		Riser
Last casing: 9-5/8" @ 1849.9mRT		Riser tension : 280,000 klbs
Liner:		Riser angle : 0.25
Last BOP: 13/05/2001		Hole position :
		Comments :
Mud type : Aquadrill	Mud density : 1.31	
Mud and/or Survey comments:	Slight increase in mud weight due to increased solids content.	

Weather Information	Support Vessel Movements
Wave (m): 1.8 Swell (m): 2.4 Wind (kn): 50 knots @300 deg	P Conqueror: Portland
Temp (°C): 16 Heave (m): 2 Pitch (°): 2 Roll (°): 3	P Sentinel: On standby
Rig Heading(°): 251	2 Helicopter flights
Weather comments: Wind and rain.	PAX on: 14
	PAX off: 15

OHSE Reports		
	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	3
Stop Cards :	10	129
Stop Tours :	0	16
Days since last LTI :		1325

Materials			
Barite (t or sx)	2164	Fuel (m3)	381.6
Gel (t or sx)	1572	HeliFuel(ltrs)	8436
Brine (m3)	0	Drill Water (m3)	714
Cement (t or sx)	706	Pot Water (m3)	89
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board			
WEL	6	BHI Logging	6
DOGC	62	Anadril Schlumberger	3
Stolt Comex	3	Dril-Quip	0
Halliburton	1	Dowell	0
BHI Mud	2	Security DBS	2
Schlumberger	6	Origin Energy	0
Sperry Sun	0	Fugro	0
Petrotech	1		0
Total POB :		92	

Notes/Memo

No incidents or accidents reported in the last 24hrs. Budget Days & cost revised for change in scope of works.

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Wednesday, 16 May 2001 11:46
 To: 'Benaris' (E-mail); Andy Whittle (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
 Subject: FW: Thylacine-1 DDR 12 - 15/05/2001



Dollyreport.pdf

> -----Original Message-----

> From: Forster, Jo J. [mailto:Jo.Forster@woodside.com.au]
 > Sent: Wednesday, May 16, 2001 11:43 AM
 > To: BUSSELL, ROYD; CLIFF, DAVID; FALLOON, STEVE; HOBSON, STEVE; Jenny Bauer (E-mail); KELLY, JON; RAPAIC, MICHAEL; RIBUL, WERNER; Ric Jason (E-mail); SHUSTER, MARK
 > Subject: Thylacine-1 DDR 12 - 15/05/2001

> Dear All,

> Please find attached Thylacine-1 DDR12. 15/05/01
 > <<Dailyreport.pdf>>

> Kind Regards
 > Kathleen for Jo

> Jo Forster
 > Technical Assistant
 > Modu Team
 > Well Engineering
 > Tel: 9348 4726
 > Fax: 9348 5255
 > Email: jo.forster@woodside.com.au

MINERAL RESOURCES		
FILE REF: <i>Thylacine 1 Drilling</i>		
16 MAY 2001		
DOC REF:		
OFFICER	FOR ACTION	FOR INFO
<i>CAB</i>		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Tuesday, 15 May 2001 12:28
 To: AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosch. Mehin (E-mail)
 Subject: FW: Thylacine-1 DDR11 140501



Thylacine-1 DDR11
140501.pdf

> -----Original Message-----

> From: Forster, Jo J. [mailto:Jo.Forster@woodside.com.au]
 > Sent: Tuesday, May 15, 2001 12:05 PM
 > To: BUSSELL, ROYD; CLIFF, DAVID; FALLOON, STEVE; HOBSON, STEVE; Jenny Bauer (E-mail); KELLY, JON; RAPAIC, MICHAEL; RIBUL, WERNER; Ric Jason (E-mail); SHUSTER, MARK
 > Subject: Thylacine-1 DDR11 140501

> Dear All,
 > Please find attached Thylacine-1 DDR11 140501.

> Kind Regards

> <<Thylacine-1 DDR11 140501.pdf>>

> Jo Forster
 > Technical Assistant
 > Modu Team
 > Well Engineering
 > Tel: 9348 4726
 > Fax: 9348 5255
 > Email: jo.forster@woodside.com.au

MINERAL RESOURCES		
FILE REF: Thylacine-1 Drilling		
15 MAY 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
CAS		✓
RESUBMIT TO	DATE	



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

15/05/2001 10:01:56 AM

THYLACINE-1

Report # : 11 Date : 14/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Days on Well :	11	Depth (m) :	2050	Supervisor(s):	D.Bell & S.Trench
Days from Spud :	9.85	TVD (m) :	1855	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	19.8	Progress(m) :	195		
Progress Budget Days (P50):	13.2	Rig Heading(°):	251		
AFE Cost :	\$10,610,000				
Cumulative Cost :	\$7,204,791				

Ops 00:00 to 06:00 : Continued drilling 8-1/2" hole to 2155m.

Ops Summary (24 hrs) : Drilled shoetrack and 4m of new formation. Performed LOT to 2.12sg EMW. Drilled 8-1/2" hole from 1859m to 2050m..

Start	Hours	Depth (m)	DT/ILT	Operations
8 1/2"				
0:00	0.25	1855	0	Completed Top Drive service.
0:15	0.25	1855	0	RIH from 1759mRT with BHA #5. Broke circulation and tagged top of cement @ 1821mRT.
0:30	4.00	1855	0	Drilled 9-5/8" cement plugs, float collar, shoetrack cement and shoe.
4:30	0.75	1859	0	Drilled 4m of new formation from 1855 - 1859mRT.
5:15	1.50	1859	0 L05	Performed leak off test to 2.12sg EMW with 1.26sg drilling fluid in the hole.
6:45	17.25	2050	0	Drilled 8-1/2" hole from 1859 - 2050mRT @ 11m/hr.
Report Duration (in hours)		24		



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

15/05/2001 10:01:56 AM

THYLACINE-1

Report #: 11 Date: 14/05/2001

Page: 2

Well Permit: T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Casing - Mud and Survey Data		Riser
Last casing:	9-5/8" @ 1849.9mRT	Riser tension: 280,000 klbs
Liner:		Riser angle: 0.25
Last BOP:	13/05/2001	Hole position:
		Comments:
Mud type:	Aquadrill	Mud density: 1.26
Mud and/or Survey comments:	Sodium Thiocyanate tracer added to drilling fluid. Concentration approximately 400 mg/L	

Weather Information	Support Vessel Movements
Wave (m): 0.9 Swell (m): 1.1 Wind (kn): 25knots @ 070 deg	P Conqueror: Dep'd 2035hr for Portland
Temp (°C): 16 Heave (m): 1 Pitch (°): 0.3 Roll (°): 0.3	P Sentinel: Arr'd at rig 2030hr
Rig Heading(°): 251	1 Helicopter flight
Weather comments: Cool change expected.	PAX on: 8
	PAX off: 6

OHSE Reports			Materials			
	Daily	Cumul.				
LTI's:	0	0	Barite (t or sx)	2640	Fuel (m3)	256.1
TRC's:	0	0	Gel (t or sx)	1572	HeliFuel(ltrs)	9123
Incident Reports:	0	3	Brine (m3)	0	Drill Water (m3)	787
Stop Cards:	18	107	Cement (t or sx)	706	Pot Water (m3)	89
Stop Tours:	0	0	Blend (t or sx)	0		
Days since last LTI:		1323	Base oil (m3)	0		

Personnel on Board			
WEL	7	BHI Logging	6
DOGC	61	Anadril Schlumberger	3
Stolt Comex	3	Dril-Quip	0
Halliburton	1	Dowell	0
BHI Mud	2	Security DBS	2
Schlumberger	6	Origin Energy	1
Sperry Sun	0	Fugro	0
Petrotech	1		0
Total POB:		93	

Notes/Memo

No incidents or accidents in the last 24hrs.

Anadrill MWD/FEWD tools intermittently lost signal whilst drilling 8-1/2" hole.

- Total downtime = 81mins (16 occurrences of loss signal) to 0600hrs 15 May 2001.
- Occasional pressure loss of 100psi associated with loss of signal
- Exact cause unknown.

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Monday, 14 May 2001 12:42
 To: Andy Whittle (E-mail); 'Benaris' (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
 Subject: FW: Thylacine-1 Weekend Reports



Thylacine-1 DDR08
110501.pdf



Thylacine-1 DDR09
120501.pdf



Thylacine-1 DDR10
130501.pdf

> -----Original Message-----
 > From: Forster, Jo J. [mailto:Jo.Forster@woodside.com.au]
 > Sent: Monday, May 14, 2001 12:14 PM
 > To: BUSSELL, ROYD; CLIFF, DAVID; FALLOON, STEVE; HOBSON, STEVE; Jenny Bauer (E-mail); KELLY, JON; RAPAIC, MICHAEL; RIBUL, WERNER; Ric Jason (E-mail); SHUSTER, MARK
 > Subject: Thylacine-1 Weekend Reports

> Dear All,
 >
 > Please find attached Thylacine Weekend DDR's.
 >
 > Kind Regards
 >
 > <<Thylacine-1 DDR08 110501.pdf>> <<Thylacine-1 DDR09 120501.pdf>>
 > <<Thylacine-1 DDR10 130501.pdf>>

> Jo Forster
 > Technical Assistant
 > Modu Team
 > Well Engineering
 >
 > Tel: 9348 4726
 > Fax: 9348 5255
 > Email: jo.forster@woodside.com.au

MINERAL RESOURCES		
FILE REF: <i>Thylacine Drilling</i>		
14 MAY 2001		
DOC REF.		
OFFICER	FOR ACTION	FOR INFO
<i>CAB</i>		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

14/05/2001 10:09:24 AM

THYLACINE-1

Report # : 10 Date : 13/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Days on Well :	10	Depth (m) :	1855	Supervisor(s):	D.Bell & S.Trench
Days from Spud :	8.85	TVD (m) :	1855	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	19.8	Progress(m) :	0		
Progress Budget Days (P50):	12.4	Rig Heading(°):	251		
AFE Cost :	\$10,610,000				
Cumulative Cost :	\$6,780,727				

Ops 00:00 to 06:00 : Continued servicing top drive. Tagged TOC at 1821mRT. Drilled out cement shoe track and 4m of new formation. Commenced preparations for LOT at 9-5/8" shoe with 1.26sg drilling fluid.

Ops Summary (24 hrs) : Continued pressure testing BOP. Retrieved 10-3/4" x 9-5/8" casing hanger running tool. RIH and set 9-5/8" wear bushing. M/U and RIH with 8.5" BHA. Commenced servicing top drive.

Start	Hours	Depth (m)	DT/ILT	Operations
12 1/4"				
0:00	3.75	1855	0	Continued pressure testing BOP. Rams and valves tested to 250psi (1.7MPa) for 5mins, 4500psi (31MPa) for 10mins. OK. Annular preventors tested to 250psi (1.7MPa) for 5mins, 3500psi (24MPa) for 10mins. OK.
3:45	2.25	1855	0	Retrieved the 10-3/4" x 9-5/8" casing hanger running tool and cement head.
6:00	2.00	1855	0	Pressure tested upper and lower IBOPs, choke and kill manifold, TIW and Grey valves. 250psi (1.7MPa) for 5mins, 5000psi (34MPa) for 10mins. OK.
8 1/2"				
8:00	5.75	1855	4.75 LO4	Ran 9-5/8" wellhead wear bushing.
13:45	1.50	1855	0	Held JHA. Slipped and cut 46m of drilling line.
15:15	8.50	1855	0	Held JHA. P/U 8-1/2" BHA. Tested MWD. OK. RIH to 1759mRT. Simultaneously pressure tested casing below shear rams to 4500psi (31MPa) for 10mins. OK.
23:45	0.25	1855	0	Service top drive.
Report Duration (in hours)		24		



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

14/05/2001 10:09:24 AM

THYLACINE-1

Report # : 10 Date : 13/05/2001

Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Casing - Mud and Survey Data		Riser
Last casing:	9-5/8" @ 1849.9mRT	Riser tension : 280,000 klbs
Liner:		Riser angle : 0.25
Last BOP:	13/05/2001	Hole position :
		Comments :
Mud type :	Aquadrill	Mud density : 1.26
Mud and/or Survey comments:		

Weather Information	Support Vessel Movements
Wave (m): 0.9 Swell (m): 1.1 Wind (kn): 26knots @ 070 deg	P Conqueror: On standby
Temp (°C): 17 Heave (m): 1 Pitch (°): 0.3 Roll (°): 0.3	P Sentinel: Dep'd 0930hr for Portland
Rig Heading(°): 251	1 Helicopter flight
Weather comments: Fine.	PAX on: 4
	PAX off: 5

OHSE Reports		
	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	1	3
Stop Cards :	15	89
Stop Tours :	0	0
Days since last LTI :		1322

Materials			
Barite (t or sx)	2640	Fuel (m3)	269.3
Gel (t or sx)	1572	HeliFuel(ltrs)	9504
Brine (m3)	0	Drill Water (m3)	820
Cement (t or sx)	706	Pot Water (m3)	89
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board			
WEL	6	BHI Logging	6
DOGC	60	Anadril Schlumberger	3
Stolt Comex	3	Dril-Quip	1
Halliburton	1	Dowell	1
BHI Mud	2	Security DBS	2
Schlumberger	4	Origin Energy	1
Sperry Sun	0	Fugro	0
Petrotech	1		0
Total POB :		91	

Notes/Memo

- One incident reported in the last 24hrs.
1. No injuries incurred.
 2. A linkage pin in the National crane boom sheave assembly fell to the deck. Investigations into the incident highlighted the fact that the split pin normally securing the linkage pin had fallen out allowing the linkage pin to become free.
 3. The linkage pin hit the deck within 7m of two men working below.
 4. Immediate improvements to the system have been that the maintenance department have replaced the split pins in all four similar linkage pins and further investigated the use of such pins in other cranes on board.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

14/05/2001 10:04:05 AM

THYLACINE-1

Report # : 9 Date : 12/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Days on Well :	9	Depth (m) :	1855	Supervisor(s):	D.Bell & S.Trench
Days from Spud :	7.85	TVD (m) :	1855	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	19.8	Progress(m) :	0		
Progress Budget Days (P50):	11.2	Rig Heading(°):	251		
AFE Cost :	\$10,610,000				
Cumulative Cost :	\$6,243,282				

Ops 00:00 to 06:00 : Continued testing BOPs, choke and kill manifold. Retrieved casing hanger running tool. Ran 9-5/8" wear bushing. Commenced M/U 8.5" BHA.

Ops Summary (24 hrs) : POOH wiper trip, R/B BHA. RIH and retrieved 13-3/8" wear bushing. Held JHA for running 10-3/4" x 9-5/8" casing. P/U and tested shoe track. RIH with 10-3/4" x 9-5/8" casing. Circulated 1.5 casing volume. Cemented casing. Commenced testing BOPs.

Start	Hours	Depth (m)	D7/ILT	Operations
12 1/4"				
0:00	2.50	1855	0	Continued POOH from 980mRT. Flow checked well when bit inside shoe. Well static. Racked back BHA.
2:30	1.50	1855	0	Set up index line & retrieved 13-3/8" wear bushing.
4:00	1.00	1855	0	Held JHA and rigged up to run 9-5/8" casing.
5:00	1.25	1855	0	Ran & tested 2 joint shoe track. R/U and tested TAM packer fill and circulate tool.
6:15	7.00	1855	0	Ran 125 jts 9-5/8" casing @ 18 jt/hr.
13:15	0.50	1855	0	M/U X-over to 10-3/4" casing and swapped out to 10-3/4" casing running equipment.
13:45	1.50	1855	0	Ran 15 jts 10-3/4" casing @ 10 jt/hr.
15:15	1.75	1855	0	Ran 10-3/4" casing hanger and rigged down casing running equipment.
17:00	2.00	1855	0	Ran casing on landing string and washed down from 1835mRT to 1843mRT where string hung up. Worked casing through last 7m to 1849.85mRT (9-5/8" shoe depth). Circulated at 15bpm until shakers clean.
19:00	0.50	1855	0	Rigged up Halliburton unit to cement casing. Pumped 10bbl water and pressure tested surface lines to 4000psi.
19:30	2.50	1855	0	Cemented 10-3/4" x 9-5/8" casing.
22:00	1.00	1855	0	Displaced cement with rig pumps. Bumped top plug. Checked floats holding & pressure tested casing to 3500psi (24.1MPa). OK.
23:00	1.00	1855	0	Set seal assembly and lock down ring with 10-3/4" casing hanger running tool. Commenced pressure testing BOP's.
Report Duration (in hours)	24			



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

14/05/2001 10:04:05 AM

THYLACINE-1

Report # : 9 Date : 12/05/2001 Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

<p style="text-align:center">Casing - Mud and Survey Data</p> <p>Last casing: 9-5/8" @ 1849.9mRT Liner: Last BOP: 08/05/2001</p> <p>Mud type : Aquadrill Mud density : 1.24</p> <p>Mud and/or Survey comments:</p>	<p style="text-align:center">Riser</p> <p>Riser tension : 280,000 klbs Riser angle : 0.25 Hole position : Comments :</p>
--	---

Weather Information

Wave (m): 1.5 Swell (m): 2.4 Wind (kn): 16knots @ 160 deg
Temp (°C): 16 Heave (m): 1 Pitch (°): 0.3 Roll (°): 0.3
Rig Heading(°): 251
Weather comments: Moderate winds

Support Vessel Movements

P Conqueror: On standby
P Sentinel: Arrived at rig 2330hr
Southern Salvor: On route to Launceston

0 Helicopter flights

OHSE Reports

	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	2
Stop Cards :	4	74
Stop Tours :	0	0
Days since last LTI :		1321

Materials

Barite (t or sx)	2640	Fuel (m3)	278.9
Gel (t or sx)	1572	HeliFuel(ltrs)	9886
Brine (m3)	0	Drill Water (m3)	570
Cement (t or sx)	706	Pot Water (m3)	89
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board

WEL	6	BHI Logging	6
DOGC	60	Anadril Schlumberger	2
Stolt Comex	3	Dril-Quip	1
Halliburton	2	Dowell	1
BHI Mud	2	Weatherford	4
Schlumberger	4	Origin Energy	1
Sperry Sun	0	Fugro	0
Petrotech	0		0
Total POB :			92

Notes/Memo

No incidents or accidents reported in the last 24hrs.

Wiper trip
1. Maximum instantaneous overpull observed 30 klbs.
2. Three flow checks, all static.

Southern Salvor departed rig @ 2330hrs. Currently on route to Launceston.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

14/05/2001 9:58:58 AM

Report # : 8 Date : 11/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Days on Well :	8	Depth (m) :	1855	Supervisor(s):	D.Bell & S.Trench
Days from Spud :	6.85	TVD (m) :	1855	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	19.8	Progress(m) :	0		
Progress Budget Days (P50):	9.88	Rig Heading(°):	251		
AFE Cost :	\$10,610,000				
Cumulative Cost :	\$5,534,804				

Ops 00:00 to 06:00 : Finished POOH with 12-1/4" BHA. RIH and recovered wear bushing. Held JHA. R/U to run 9-5/8" casing. P/U & tested shoetrack. Commenced running 9-5/8" casing.

Ops Summary (24 hrs) : POOH with 12-1/4" BHA. Downloaded EMS. R/U to run wireline logs. Logged 12-1/4" hole from 1832 to 744mRT. R/D logging tools. MU 12-1/4" BHA #4 and RIH to perform wiper trip. Circulated bottoms up and increased M/W to 1.24sg. POOH to 980mRT.

Start	Hours	Depth (m)	DT/ILT	Operations
12-1/4"				
0:00	3.50	1855	0	Continued POOH with 12-1/4" drilling assembly and racked back BHA. Retrieved EMS.
3:30	0.50	1855	0	M/U 10-3/4" casing hanger running tool.
4:00	2.50	1855	0	Held JHA. Rigged up for wireline logging. M/U PEX-HRLA-DSI-HNGS-SP-LEH wireline logging tool.
6:30	5.00	1855	0	Wireline logged from 1834 - 744.0mRT. Repeat section from 1832m - 1703.0mRT.
11:30	2.00	1855	0	Broke down tools at surface, removed radioactive source and L/O wireline tools.
13:30	4.50	1855	0	Held JHA. M/U 12-1/4" BHA #4 and ran in hole for wiper trip.
18:00	0.25	1855	0	Precautionary washed and reamed from 1820 - 1855mRT.
18:15	3.75	1855	0	Pumped 50bbl hi-vis sweep and circulated bottoms up. Significant volume of cavings evident during bottoms up circulation. Circulated, conditioning mud and raising mud weight from 1.19 - 1.24sg. Worked pipe during process.
22:00	2.00	1855	0	Flow checked well. OK. Pulled out of hole from 1855mRT to 980mRT.
Report Duration (in hours)		24		



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

14/05/2001 9:58:59 AM

THYLACINE-1

Report # : 8 Date : 11/05/2001

Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Casing - Mud and Survey Data		Riser
Last casing: 13-3/8" @ 745.3mRT		Riser tension : 280,000 klbs
Liner:		Riser angle : 0.25
Last BOP: 08/05/2001		Hole position :
		Comments :
Mud type : Aquadrill	Mud density : 1.24	
Mud and/or Survey comments:	Max hole leviation 1.88deg	

Weather Information	Support Vessel Movements
Wave (m): 1.5 Swell (m): 2.4 Wind (kn): 20knots @ 160 deg	P Conqueror: Off loading to rig
Temp (°C): 16 Heave (m): 2 Pitch (°): 0.6 Roll (°): 0.6	P Sentinel: Launceston Dry Dock
Rig Heading(°): 251	Southern Salvor: On standby
Weather comments: Moderate winds, light showers	1 Helicopter flights
	Pax on: 4
	Pax off: 4

OHSE Reports	Daily		Cumul.
LTI's :	0	0	
TRC's :	0	0	
Incident Reports :	0	2	
Stop Cards :	9	70	
Stop Tours :	0	0	
Days since last LTI :			1320

Materials			
Barite (t or sx)	2759	Fuel (m3)	290.8
Gel (t or sx)	1572	HeliFuel(ltrs)	9886
Brine (m3)	0	Drill Water (m3)	290.8
Cement (t or sx)	1474	Pot Water (m3)	91
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board			
WEL	6	BHI Logging	6
DOGC	60	Anadril Schlumberger	2
Stolt Comex	3	Dril-Quip	1
Halliburton	2	Dowell	1
BHI Mud	2	Weatherford	4
Schlumberger	4	Origin Energy	1
Sperry Sun	0	Fugro	0
Petrotech	0		0
Total POB :			92

Notes/Memo

No incidents or accidents reported in the last 24hrs.

Wiper trip details.

1. Wireline logging tools held up at 1832mRT, slacked off 8m of wireline. Suspect 20m fill on bottom.
2. Conduct wiper trip and circulate bottoms up with 50bbl HI-VIS sweep.
3. Cavings noted on shakers. (Generally 0.5", occasional 1"-2" in size).
4. Increased drilling fluid weight from 1.18 to 1.24sg.
5. Volume of cuttings on shakers reduced shortly after 1 times bottoms up.
6. No excessive pick-up or slack-off weights observed while POOH.

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
Sent: Monday, 14 May 2001 11:44
To: Andy Whittle (E-mail); 'Benaris' (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
Subject: Daily drilling report for Thylacine-1, 13/05/01



Thylacine 1 DDR
 130501(St).pdf...

Please find attached the daily drilling report for Thylacine-1,
 13/05/01

<<Thylacine 1 DDR 130501(St).pdf>>

Regards
 Stuart.

MINERAL RESOURCES		
FILE REF: Thylacine-1 Drilling		
14 MAY 2001		
DOC REF:		
OFFICER	FOR ACTION	FOR INFO
CAB		✓
RESUBMIT TO	DATE	



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report (ex Ocean Bounty)

THYLACINE-1

Report # : 10 Date : 13/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

Days on Well :	10	Depth (m) :	1855	Supervisor(s):	D.Bell & S.Trench
Days from Spud :	8.85	TVD (m) :	1855	Rig M.I.C :	J. Drysdale
Total Budget Days (P50) :	19.77	Progress(m) :	0		
Progress Budget Days (P50):	12.44	Rig Heading(°):	251		
AFE Cost :	\$10,610,000				
Cumulative Cost :	\$6,780,727				

Ops 00:00 to 06:00 : Continue servicing top drive. Tagged TOC at 1821mRT. Drilled out cement shoe track and 4m of new formation. Commence preparations for LOT at 9-5/8" shoe with 1.26sg drilling fluid.

Ops Summary (24 hrs) : Continue pressure testing BOP. Retrieve 10-3/4" x 9-5/8" casing hanger running tool. RIH and set 9-5/8" wear bushing. M/U and RIH with 8.5" BHA. Commence servicing top drive.

Start	Hours	Depth (m)	D77 ILT	Operations
12 1/4"				
0:00	3.75	1855	0	Continued pressure testing BOP. Rams and valves tested to 250psi (1.7MPa) for 5mins, 4500psi (31MPa) for 10mins. OK. Annular preventors tested to 250psi (1.7MPa) for 5mins, 3500psi (24MPa) for 10mins. OK.
3:45	2.25	1855	0	Retrieved the 10-3/4" x 9-5/8" casing hanger running tool and cement head.
6:00	2.00	1855	0	Pressure tested upper and lower IBOPs, choke and kill manifold, TIW and Grey valves. 250psi (1.7MPa) for 5mins, 5000psi (34MPa) for 10mins. OK.
8 1/2"				
8:00	5.75	1855	0 LO4	Ran 9-5/8" wellhead wear bushing.
13:45	1.50	1855	0	Held JHA. Slipped and cut 46m of drilling line.
15:15	8.50	1855	0	Held JHA. P/U 8-1/2" BHA. Tested MWD. OK. RIH to 1759mRT. Simultaneously pressure tested casing below shear rams to 4500psi (31MPa) for 10mins. OK.
23:45	0.25	1855	0	Service top drive.
Report Duration (in hours)		24		



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report (ex Ocean Bounty)

THYLACINE-1

Report # : 10 Date : 13/05/2001 Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

Casing - Mud and Survey Data		Riser
Last casing: 9-5/8" @ 1849.85mRT		Riser tension : 280,000 klbs
Liner:		Riser angle : 0.25
Last BOP: 13/05/2001		Hole position :
		Comments :
Mud type : Aquadrill	Mud density : 1.26	
Mud and/or Survey comments:		

Weather Information	
Wave (m): 0.9	Swell (m): 1.1 Wind (kn): 26knots @ 070 deg
Temp (°C): 17	Heave (m): 1.1 Pitch (°): 0.3 Roll (°): 0.3
Rig Heading(°): 251	
Weather comments:	Fine.

Support Vessel Movements
P Conqueror: On standby
P Sentinel: Dep'd 0930hr for Portland
1 Helicopter flight
PAX on: 4
PAX off: 5

OHSE Reports		
	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	1	3
Stop Cards :	15	89
Stop Tours :	0	0
Days since last LTI :		1322

Materials			
Barite (t or sx)	2640	Fuel (m3)	269.3
Gel (t or sx)	1572	HeliFuel(ltrs)	9504
Brine (m3)	0	Drill Water (m3)	820
Cement (t or sx)	706	Pot Water (m3)	89
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board			
WEL	6	BHI Logging	6
DOGC	60	Anadril Schlumberger	3
Stolt Comex	3	Dril-Quip	1
Halliburton	1	Dowell	1
BHI Mud	2	Security DBS	2
Schlumberger	4	Origin Energy	1
Sperry Sun	0	Fugro	0
Petrotech	1		0
Total POB :			91

Notes/Memo

- One incident reported in the last 24hrs.
1. No injuries incurred.
 2. A linkage pin in the National crane boom sheave assembly fell to the deck. Investigations into the incident highlighted the fact that the split pin normally securing the linkage pin had fallen out allowing the linkage pin to become free.
 3. The linkage pin hit the deck within 7m of two men working below.
 4. Immediate improvements to the system have been that the maintenance department have replaced the split pins in all four similar linkage pins and further investigated the use of such pins in other cranes on board.

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
Sent: Monday, 14 May 2001 11:43
To: 'Benaris' (E-mail); Andy Whittle (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
Subject: Thylacine-1 Daily geological report 7



Thylacine-1(DGR07_1
 30501_1855m...

<<Thylacine-1(DGR07_130501_1855m_Rpt).doc>>

Ric Jason
 Origin Energy Resources Ltd
 07 3858 0690
 0419 804 105

MINERAL RESOURCES		
FILE REF: <i>Thylacine-1 Drilling</i>		
14 MAY 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
<i>CAB</i>		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	

**CONFIDENTIAL**

Date:	13 May 2001	Last Casing:	9 5/8" @ 1849.7 mMDRT
Report Number:	07	FIT:	N/A
Report Period:	00:00-24:00 Hours	Mud Weight:	1.25 sg
Depth @ 24:00 Hours:	1855 mMDRT	ECD	N/A
Depth (mTVDRT)	1855 mTVDRT	Mud Type:	KCl / PHPA / Glycol
Lag Depth:	1855 mMDRT	Mud Chlorides:	59000 mg/litre
Last Depth:	1855 mMDRT	Est. Pore Press:	1.1 sg
Progress:	0 m	Last Survey Depth:	1835 m MDRT
Water Depth:	101.4 m LAT	Deviation:	1.88° @ 11.25° azimuth
RT-Sea Level:	25 m	Bit Diameter:	8 1/2"

OPERATIONS SUMMARY

24 HOUR SUMMARY: *Continued pressure test, laid out casing running tool, ran in with wear bushing, made up 8 1/2" bottom hole assembly, ran in hole to 1759 m, serviced top drive.*

NEXT 24 HOURS: *Complete top drive service, run in hole, drill out shoe track plus 4 m of new formation and conduct Leak Off Test. Drill 8 1/2" section as per program.*

CURRENT OPERATION @ 06:00 Hrs 13/05/2001: *Conducting Leak Off Test at 1859 mMDRT (2.1 sg EMW).*

GEOLOGICAL SUMMARY

LITHOLOGY:

No drilling occurred during this period.

FORMATION PRESSURE ESTIMATION:

Note wireline resistivity and sonic logs indicate an overpressure trend from 1710 mMDRT.

SAMPLE QUALITY:

N/A

MUDLOGGING EQUIPMENT/PERSONNEL

Gas detectors recalibrated. Ditch gas line integrity tested with carbide – ok.



LWD

Sensor	Meters behind drill bit
Annular Pressure	3.14
Resistivity	3.75
GR	3.83
Survey	12.83

REMARKS:

Coring equipment on board and checked – ok.

WELLSITE GEOLOGISTS

M. Bilek / P. Gibson

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Friday, 11 May 2001 10:37
 To: Andy Whittle (E-mail); 'Benaris' (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
 Subject: FW: Verified dgr04 for thylacine



Thylacine-1(DGR04_1
 00501_1855m...

-----Original Message-----

From: Rapaic, Michael M. [mailto:Michael.Rapaic@woodside.com.au]
 Sent: Friday, May 11, 2001 10:26 AM
 To: RIC JASON (E-mail)
 Subject: Verified dgr04 for thylacine

<<Thylacine-1(DGR04_100501_1855m_Rpt).doc>>

Mike Rapaic
 UNVE-SA Geological Services Team
 Senior Operations Geologist
 Ph. 08 9 348 4317
 Fax: 08 9 348 4660
 A/H. 08 9 364 8704
 Mob. 041 793 4585
 E-mail:michael.m.rapaic@woodside.com.au

MINERAL RESOURCES		
FILE REF: <i>Thylacine-1 Drilling</i>		
11 MAY 2001		
DOC REF:		
OFFICER	FOR ACTION	FOR INFO
<i>CRB</i>		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	

CONFIDENTIAL

Date:	10 May 2001	Last Casing:	13 3/8" @ 745.3 mMDRT
Report Number:	04	FIT:	2.10 sg @ 755 mMDRT
Report Period:	00:00-24:00 Hours	Mud Weight:	1.19 sg
Depth @ 24:00 Hours:	1855.0 mMDRT	ECD	1.21 sg
Depth (mTVDRT)	1854.3 mTVDRT	Mud Type:	KCI / PHPH / Glycol
Lag Depth:	1855.0 mMDRT	Mud Chlorides:	112000 mg/litre
Last Depth:	1483 mMDRT	Est. Pore Press:	1.06 – 1.1
Progress:	372 m	Last Survey Depth:	732 m MDRT *
Water Depth:	101.4 m LAT	Deviation:	0.89° *
RT-Sea Level:	25 m	Bit Diameter:	12.25"

OPERATIONS SUMMARY

24 HOUR SUMMARY: *Drilled 12.25" section from 1483 to 1855 m MDRT, circulate bottoms-up, pull out of hole. * Note EMS survey data currently being processed.*

NEXT 24 HOURS: *Continue to pull out of hole. Make up casing hanger running tool, rig up Schlumberger, run suite 1 wireline logs, rig down Schlumberger, run casing.*

CURRENT OPERATION @ 06:00 Hrs 10/05/2001: Running suite 1, run 1 wireline logs (PEX-HRLA-DSI-HNGS-SP-LEH-QT)

GEOLOGICAL SUMMARY

LITHOLOGY:

INTERVAL: 1483 - 1550mMDRT
ROP(range): 8 - 90 m/hr
Av ROP: 40 m/hr

Claystone with minor Sandstone and rare Argillaceous Calcilutite interbeds.

Claystone (95-100%): dark brown grey-dark grey-brown black, soft, dispersive, dominantly siliceous, trace calcareous clay, trace siliceous silt, trace silt-very fine grained and nodular pyrite, trace glauconite, trace carbonaceous specks.

Sandstone (trace-5%): clear-white-yellow brown, loose, very fine to medium grained quartz, subrounded to subangular, moderately sorted, slightly spherical, trace glauconite, 25% inferred porosity, no fluorescence.

Argillaceous Calcilutite(trace): off white-very light grey, soft, sub-blocky, 25% siliceous clay, trace siliceous sand.

INTERVAL: 1550 – 1622 mMDRT
ROP(range): 12 - 90 m/hr
Av ROP: 39 m/hr

Claystone with minor Sandstone at the base.

Claystone, light to medium olive grey, minor dark grey, soft, sticky to dispersive, 8% siliceous silt, 2% very fine to fine grained quartz, trace nodular and disseminated pyrite, trace micromica, trace silty carbonaceous detritus.

Sandstone, colourless, yellow, red/brown, loose, predominantly fine to medium minor to rare very fine and coarse quartz grains, subangular, minor subrounded, moderately sorted, sub spherical, 25% inferred porosity, no fluorescence.

**CONFIDENTIAL**

INTERVAL: 1622 – 1710 mMDRT
ROP(range): 7 - 97 m/hr
Av ROP: 36 m/hr

Claystone with trace Sandstone.

Claystone (100%): light to medium olive grey, soft, sticky to dispersive, 5% siliceous silt, trace very fine to fine grained quartz, trace micromica, trace glauconite, trace silty carbonaceous detritus.

Sandstone (trace): colourless, clear to translucent, loose, predominantly very fine to fine common medium quartz grains, subangular to subrounded, moderately sorted, slightly spherical, 20% inferred porosity, no fluorescence.

INTERVAL: 1710 – 1855 mMDRT
ROP(range): 9 - 66 m/hr
Av ROP: 30 m/hr

Massive Claystone (100%): light to medium olive grey, rarely off white, soft, sticky to dispersive, 5% siliceous silt, trace very fine to fine grained quartz, trace micromica, trace glauconite, trace silty carbonaceous detritus, trace nodular pyrite, rarely grades to calcareous claystone (off white portions)

GAS SUMMARY:*Background Gas*

INTERVAL(mMDRT)	Total GAS (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	nC4 (%)	C5 (%)
1483 - 1550	0.01-0.03 (0.02)	0.0-0.02 (0.01)					
1550 -1622	0.02-0.08 (0.04)	0.01-0.05 (0.04)					
1622 -1710	0.03-0.15 (0.06)	0.01-0.2 (0.07)					
1710 – 1855	0.06-0.19 (0.11)	0.03-0.19 (0.1)					

Trip Gas

DEPTH (mMDRT)	Total GAS (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	nC4 (%)	C5 (%)
Nil							

Connection Gas

DEPTH (mMDRT)	Total GAS (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	nC4 (%)	C5 (%)
Nil							

Peaks

DEPTH (mMDRT)	Total GAS (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	nC4 (%)	C5 (%)
1696	0.15	0.17					

**CONFIDENTIAL****HYDROCARBON FLUORESCENCE:**

Nil

FORMATION PRESSURE ESTIMATION:

Slight overpressure

SAMPLE QUALITY:

Claystone samples are sticky to dispersive.
Samples caught at 10 m intervals.

MUDLOGGING EQUIPMENT/PERSONNEL

All equipment functioning normally.

REMARKS:

BHT (by downhole sensor)	74.4°C
Rmf	0.0776 @ 17.8°C
Rm	0.0910 @ 17.8°C
Rmc	0.1820 @ 17.8°C
KCl	6.5% by weight
Chlorides	59000 mg/l
Barytes	2.3% by weight

WELLSITE GEOLOGISTS

M. Bilek / P. Gibson

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Friday, 11 May 2001 10:36
 To: 'Benaris' (E-mail); Andy Whittle (E-mail); AGSO (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kourosh. Mehin (E-mail)
 Subject: FW: Thylacine-1 DDR07 100501



Thylacine-1 DDR07
100501.pdf

> -----Original Message-----
 > From: Forster, Jo J. [mailto:Jo.Forster@woodside.com.au]
 > Sent: Friday, May 11, 2001 10:10 AM
 > To: BUSSELL, ROYD; CLIFF, DAVID; FALLOON, STEVE; HOBSON, STEVE; Jenny Bauer (E-mail); KELLY, JON; RAPAIC, MICHAEL; RIBUL, WERNER; Ric Jason (E-mail); SHUSTER, MARK
 > Subject: Thylacine-1 DDR07 100501

> Dear All,
 >
 > Please find attached Thylacine-1 DDR07 100501.
 >
 > Kind Regards
 >
 > <<Thylacine-1 DDR07 100501.pdf>>
 >
 > Jo Forster
 > Technical Assistant
 > Modu Team
 > Well Engineering
 >
 > Tel: 9348 4726
 > Fax: 9348 5255
 > Email: jo.forster@woodside.com.au
 >
 >
 >

MINERAL RESOURCES		
FILE REF: <i>Thylacine-1 Drilling</i>		
11 MAY 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
<i>CRB</i>		<input checked="" type="checkbox"/>
		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

11/05/2001 8:07:18 AM

THYLACINE-1

Report # : 7 Date : 10/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Days on Well :	7	Depth (m) :	1855	Supervisor(s):	D.Bell & S.Trench
Days from Spud :	5.85	TVD (m) :	752	Rig M.I.C :	D. Deron & S. Andrews
Total Budget Days (P50) :	19.8	Progress(m) :	372		
Progress Budget Days (P50):	8.77	Rig Heading(°):	251		
AFE Cost :	\$10,610,000				
Cumulative Cost :	\$4,980,094				

Ops 00:00 to 06:00 : Pulled out of hole. Racked back BHA and broke off 12-1/4" bit. M/U casing hanger running tool. Rigged up to run wireline and commenced making up tools in rotary table.

Ops Summary (24 hrs) : Drilled 12 1/4" hole from 1483mRT to 1855mRT (12 1/4" section TD). Circulated hole clean, dropped EMS and pulled out of hole to 820mRT.

Start	Hours	Depth (m)	D77 ILT	Operations
12 1/4"				
0:00	8.50	1622	0 L03	Drilled 12 1/4" hole from 1483mRT to 1622mRT @ 25.3m/hr
8:30	11.25	1855	0	Drilled 12-1/4" hole from 1622mRT to 1855mRT @ 23.8 m/hr
19:45	1.00	1855	0	Circulated hole clean prior to pulling out of hole.
20:45	3.25	1855	0	Dropped EMS and pulled out of hole from 1855mRT to 820mRT.
Report Duration (in hours)		24		



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

11/05/2001 8:07:19 AM

Report # : 7 Date : 10/05/2001 Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

<p style="text-align:center">Casing - Mud and Survey Data</p> <p>Last casing: 13-3/8" @ 745.3mRT Liner: Last BOP: 08/05/2001</p> <p>Mud type : Aquadrill Mud density : 1.19</p> <p>Mud and/or Survey comments:</p>	<p style="text-align:center">Riser</p> <p>Riser tension : 280,000 klbs Riser angle : 0.25 Hole position : Comments : BOP's and riser in place.</p>
--	---

Weather Information

Wave (m): 2.1 Swell (m): 2.7 Wind (kn): 28knots @ 160 deg
Temp (°C): 17 Heave (m) : 2 Pitch (°): 0.8 Roll (°): 0.8

Rig Heading(°): 251

Weather comments: Moderate winds, light rain

Support Vessel Movements

P Conqueror: On route to Portland
P Sentinel: Launceston Dry Dock
Southern Salvor: On standby

1 Helicopter flights
Pax on: 4
Pax off: 1

OHSE Reports

	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	2
Stop Cards :	15	61
Stop Tours :	0	0
Days since last LTI :		1319

Materials

Barite (t or sx)	2827	Fuel (m3)	302
Gel (t or sx)	1572	HeliFuel(ltrs)	9886
Brine (m3)	0	Drill Water (m3)	270
Cement (t or sx)	1474	Pot Water (m3)	89
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board

WEL	6	BHI Logging	6
DOGC	60	Anadril Schlumberger	3
Stolt Comex	3	Dril-Quip	1
Halliburton	2	Dowell	1
BHI Mud	2	Weatherford	4
Schlumberger	4		
Total POB :			92

Notes/Memo

Total drilling fluid lost in 24hr period = 520 bbl
220bbl = solids control (0.5bbl / metre of cuttings)

Surface water based mud losses attributed to:

- Losses over Bell Nipple / Diverter housing - rig heave created piston like effect causing mud to spill over bell nipple housing and into drip pan area, through drains lines and into sea. Diverted drip pan lines to pollution tank and back into active system to capture losses.
- Losses over shakers - at high flowrates large volumes of cuttings were surging with the vessel motion over the shakers subsequently carrying large volumes of drilling fluid.

Downhole losses:

- Actual loss rate unknown. Flowcheck @ 1601mRT showed no static losses. Slowed pump rate to 850gpm to reduce ECD and pumped 6 bags each of Circhal Y, 60/16 & 1000 @ 1605mRT. Dynamic losses ceased after 0.5hr.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report (ex Ocean Bounty)

THYLACINE-1

Report # : 6 Date : 09/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

Days on Well :	6	Depth (m) :	1483	Supervisor(s):	D.Bell & S.Trench
Days from Spud :	4.85	TVD (m) :	752	Rig M.I.C :	Dave Deron
Total Budget Days (P50) :	19.77	Progress(m) :	706		
Progress Budget Days (P50):	7.85	Rig Heading(°):	251		
AFE Cost :	\$10,610,000				
Cumulative Cost :	\$4,496,854				

Ops 00:00 to 06:00 : Drilling 12 1/4" hole @ 1590mRT.

Ops Summary : Drilled 12 1/4" hole from 777mRT to 1483mRT.
(24 hrs)

Start	Hours	Depth (m)	OT/ILT	Operations
12 1/4"				
0:00	0.25	784	0	Drilled 12 1/4" hole from 777mRT to 784mRT @ 35m/hr.
0:15	5.00	1116	0	Drilled 12 1/4" hole from 784mRT to 1116mRT @ 89.7m/hr
5:15	2.50	1172	0	Drilled 12 1/4" hole from 1116mRT to 1172mRT @ 25.5m/hr
7:45	7.00	1250	0	Drilled 12 1/4" hole from 1172mRT to 1250mRT @ 15.3m/hr
14:45	6.50	1408	0	Drilled 12 1/4" hole from 1250mRT to 1408mRT @ 28.7m/hr
21:15	0.50	1426	0	Drilled 12 1/4" hole from 1408mRT to 1426mRT @ 36m/hr
21:45	2.25	1483	0	Drilled 12 1/4" hole from 1426mRT to 1483mRT @ 43.8m/hr.

Report Duration (in hours) 24

MINERAL RESOURCES		
FILE REF: Thylacine-1 Drilling		
10 MAY 2001		
DOC. REF.		
OFFICER	FOR ACTION	FOR INFO
CAB		✓
RESUBMIT TO	DATE	

THYLACINE-1

Report # : 6 Date : 09/05/2001

Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101.4 Well Start: 04/05/01 0:00

Casing - Mud and Survey Data		Riser
Last casing: 13-3/8" @ 745.32mRT		Riser tension : 35,000 lbs
Liner:		Riser angle : 0.25
Last BOP: 08/05/2001		Hole position :
		Comments : BOP's and riser in place.
Mud type : Aquadrill	Mud density : 1.18	
Mud and/or Survey comments:		

Weather Information	Support Vessel Movements
Wave (m): 1.8 Swell (m): 1.8 Wind (kn): 17knots @ 220 deg	P Conqueror: Standby
Temp (°C): 17 Heave (m) : 0.9 Pitch (°): 0.5 Roll (°): 0.8	P Sentinel: Launceston Dry Dock
Rig Heading(°): 251	Southern Salvor: On standby
Weather comments: Moderately winds, light cloud cover	1 Helicopter flights
	Pax on: 2
	Pax off: 2

OHSE Reports		
	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	2	2
Stop Cards :	15	46
Stop Tours :	0	0
Days since last LTI :		1318

Materials			
Barite (t or sx)	3507	Fuel (m3)	320.7
Gel (t or sx)	1572	HeliFuel(ltrs)	9886
Brine (m3)	0	Drill Water (m3)	437
Cement (t or sx)	1474	Pot Water (m3)	91
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board			
WEL	6	BHI Logging	6
DOGC	61	Baker Atlas	0
Sto t Comex	3	Dril-Quip	1
Halliburton	2	Dowell	1
BHI Mud	2	Weatherford	2
Schlumberger	4	Expro	0
Sperry Sun	0	Fugro	0
Anadril Schlumberger	1		0
Total POB :			89

Notes/Memo

No accidents were reported in the last 24hrs.

Two incidents were reported:

1. While making a connection with the raised backup system (RBS) the drillpipe slipped through the rotary table slips whilst the lower RBS jaw was engaged on the drillpipe tooljoint. The result was damage to RBS system. Drillpipe connections were subsequently performed without the RBS until the necessary repairs were made.
2. During routine transfer of drillwater from the Pacific Conqueror to the Ocean Bounty, 200m3 (total boat load of 500m3) of drillwater was inadvertently pumped overboard.

Operations:

Mud weight was increased from 1.10sg to 1.18sg prior to drilling the Paaratte formation.

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
Sent: Wednesday, 9 May 2001 11:31
To: AGSO (E-mail); Andy Whittle (E-mail); 'Benaris' (E-mail); Bruce. Armour (E-mail); Carol Bacon (E-mail); Jrichard (E-mail); Kouros. Mehin (E-mail)
Subject: FW: Thylacine-1 DDR05 080501



Thylacine-1 DDR05
080501.pdf

> -----Original Message-----

> From: Forster, Jo J. [mailto:Jo.Forster@woodside.com.au]
 > Sent: Wednesday, May 09, 2001 11:29 AM
 > To: BUSSELL, ROYD; CLIFF, DAVID; FALLOON, STEVE; HOBSON, STEVE; Jenny Bauer (E-mail); KELLY, JON; RAPAIC, MICHAEL; RIBUL, WERNER; Ric Jason (E-mail); SHUSTER, MARK
 > Subject: Thylacine-1 DDR05 080501

> Dear All,

> Please find attached Thylacine-1 DDR05 080501.

> Kind Regards

> <<Thylacine-1 DDR05 080501.pdf>>

> Jo Forster
 > Technical Assistant
 > Modu Team
 > Well Engineering
 > Tel: 9348 4726
 > Fax: 9348 5255
 > Email: jo.forster@woodside.com.au

MINERAL RESOURCES		
FILE REF: <i>Thylacine-1-Drilling</i>		
9 - MAY 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
<i>CAB</i>		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

09/05/2001 9:23:37 AM

Report # : 5 Date : 08/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Days on Well :	5	Depth (m) :	777	Supervisor(s):	D.Bell & S.Trench
Days from Spud :	3.85	TVD (m) :	752	Rig M.I.C :	Dave Deron
Total Budget Days (P50) :	19.8	Progress(m) :	25		
Progress Budget Days (P50):	6.4	Rig Heading(°):	251		
AFE Cost :	\$10,610,000				
Cumulative Cost :	\$4,022,982				

Ops 00:00 to 06:00 : Drilling 12 1/4" hole from 777mRT - 1135 mRT.

Ops Summary (24 hrs) : Ran riser and BOP's. Function and pressure tested same. R/D riser handling equipment and M/U 12 1/4" BHA. RIH and drilled cement plugs, 13-3/8" shoetrack and 3m of new formation. Performed an FIT to an EMW of 2.10sg and commenced drilling 12-1/4" hole

Start	Hours	Depth (m)	OT/ILT	Operations
17 1/2"				
0:00	2.00	752	0	Continued function testing BOP's on both pods. OK. Installed guidelines and ran BOP on double of riser. Pressure tested choke and kill lines to 250psi (1.7MPa) for 5 mins and 5000psi (34.5MPa) for 10 mins. OK.
2:00	3.50	752	0	Continued running riser and BOP's. Pressure tested choke and kill lines prior to installing slip joint.
5:30	2.00	752	0	P/U and ran slip joint and landing joint. Installed goosenecks and pressure tested to 250psi (1.7MPa) for 5mins and 5000psi (34.4Mpa) for 10mins. Repositioned rig over wellhead.
7:30	2.50	752	0	Fitted tensioner lines. Deballasted rig to 70ft (21m), landed BOP with 30 klbs (13.6 mt) down weight. ROV confirmed latch. Applied 50 klbs (22.7 mt) overpull. OK.
10:00	1.50	752	0	Removed slip joint locking bolts and stroked out slip joint. Installed divertor. Applied 30 klbs (13.6 mt) overpull to verify divertor lock down. OK.
11:30	0.50	752	0	Rigged down drill floor riser handling equipment. Pressure tested wellhead connector against shear ram to 5000psi (34.4MPa) for 1 hr. OK.
12 1/4"				
12:00	5.25	752	0	Hold JHA. P/U 12-1/4" BHA and RIH.
17:15	1.00	752	0	Function tested divertor system. OK. Tested LMRP connector to 3500psi for 10mins. OK.
18:15	0.50	752	0	Serviced top drive.
18:45	0.25	752	0	Continued to run in hole and tagged top of cement at 704mRT.
19:00	2.50	752	0	Drilled cement and shoetrack. Displaced to 1.10sg Aquadrill mud prior to reaching 13-3/8" casing shoe. Cleaned out rathole and worked pipe through casing shoe.
21:30	0.25	752	0	Drilled 3m of new hole to 755mRT.
21:45	0.25	752	0	Circulated and conditioned mud prior to Formation Integrity Test (FIT).



WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

09/05/2001 9:23:38 AM

Report # : 5 Date : 08/05/2001 Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

12 1/4"

22:00 1.25 752 0

Performed FIT to 2.10sg EMW with 1.10sg Aquadrill mud in the hole. Took Slow Circulating Rate pressures (SCR).

23:15 0.75 777 0

Drilled 12 1/4" hole from 755m - 777mRT. Average ROP = 41.7m/hr.

Report Duration (in hours) 24



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

09/05/2001 9:23:38 AM

THYLACINE-1

Report # : 5 Date : 08/05/2001 Page : 3

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Casing - Mud and Survey Data		Riser
Last casing: 13-3/8" @ 745.3mRT		Riser tension : 37,000 lbs
Liner:		Riser angle : 0.25
Last BOP: 08/05/2001		Hole position :
		Comments : BOP's and riser in place.
Mud type : Aquadrill	Mud density : 1.10	
Mud and/or Survey comments:	Displaced hole to 1.10sg Aquadrill (with Penetrex) mud.	

Weather Information	
Wave (m): 0.6	Swell (m): 1.8 Wind (kn): 25knots @ 70 deg
Temp (°C): 17	Heave (m): 0.3 Pitch (°): 0.2 Roll (°): 0.2
Rig Heading(°): 251	
Weather comments:	Moderately winds, light cloud cover

Support Vessel Movements	
P Conqueror: Portland supply base.	
P Sentinel: Launceston Dry Dock	
Southern Salvor: On standby	
1 Helicopter flights	
Pax on: 4	
Pax off: 4	

OHSE Reports		
	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	0
Stop Cards :	7	31
Stop Tours :	0	0
Days since last LTI :		1317

Materials			
Barite (t or sx)	3867	Fuel (m3)	227.2
Gel (t or sx)	1572	HeliFuel(Itrs)	9886
Brine (m3)	0	Drill Water (m3)	176
Cement (t or sx)	614	Pot Water (m3)	89
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board			
WEL	6	BHI Logging	6
DOGCI	61	Baker Atlas	0
Stolt Comex	3	Dril-Quip	1
Halliburton	2	Dowell	1
BHI Mud	2	Weatherford	2
Schlumberger	4	Expro	0
Sperry Sun	0	Fugro	0
Anadril Schlumberger	1		0
Total POB :		90	

Notes/Memo

No incidents or accidents reported in the last 24hrs

Halliburton cement unit experienced problems maintaining low pumping rates (approx 0.25bpm) and obtaining accurate volume calibration between the tank level indicator and the electronic readout on the unit.

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Wednesday, 9 May 2001 07:43
 To: AGSO (E-mail); Andy Whittle (E-mail); Bauer, Jenny; Benaris; Bruce. Armour (E-mail); Carol Bacon (E-mail); Hedger, Linda; Horton, Phillip; Jrichard (E-mail); Kouros. Mehin (E-mail); Lowry, David; Mussared, Mark; Naumann, Ross; Pass, Greg; Shield, Chris; Simeone, Severino; Stork, Rolf; Taylor, Randall; Trethowan, Ernie; Tye, Stuart; Willink, Rob
 Subject: FW: Final Coordinates for Thylacine-1 Well
 Importance: High



Thylacine-1 Final
 Coords.pdf

-----Original Message-----

From: Rapaic, Michael M. [mailto:Michael.Rapaic@woodside.com.au]
 Sent: Tuesday, May 08, 2001 5:36 PM
 To: RIC JASON (E-mail)
 Subject: FW: Final Coordinates for Thylacine-1 Well
 Importance: High

Ric,

- > Please find attached the Final Location Coordinates for the Thylacine-1
- > Well.
- >
- > Thanks
- >
- >

Mike Rapaic
 UNVE-SA Geological Services Team
 Senior Operations Geologist
 Ph. 08 9 348 4317
 Fax: 08 9 348 4660
 A/H. 08 9 364 8704
 Mob. 041 793 4585
 E-mail:michael.m.rapaic@woodside.com.au

> <<Thylacine-1 Final Coords.pdf>>

MINERAL RESOURCES		
FILE REF: <i>Thylacine-1 Drilling</i>		
9 - MAY 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
<i>CAB</i>		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	



MEMORANDUM

FROM: VT3
TO: V.Santostefano, F Barker, G Jones
R Bussell, M Shuster, S Falloon,
M Rapaic, D Cliff, S Willis,
R Sumpton, K Harrison, J Lang
Ocean Bounty Wellsite Manager
Ocean Bounty Wellsite Geologist

Our Reference: VT3:RWQ:205/RIG.T11 **Your Reference:**
Date: 07th May 2001
Subject: Thylacine -1 Final Coordinates

With reference to the above subject, I confirm the final coordinates of the drill stem of the drilling rig Ocean Bounty over the Thylacine - 1 well location is as follows:

Latitude : 39° 14' 27.592" South
Longitude : 142° 54' 44.169" East
Easting : 665 030.3 metres
Northing : 5 654 721.5 metres

The above coordinates are based on the Australian Geodetic Datum 1984 (AGD 84) and the Australian Map Grid (AMG) Zone 54, Central Meridian 141° East.

This position is 6.8 metres on a bearing of 110.8° (T) from the intended location.

Note: The coordinate relates to the drill stem location based on a surface positioning system. The seabed location may vary due to the effect of currents over the water depth. With no sub-sea positioning system in use the seabed location can only be estimated to be within +/- 3 metres of the drill stem location

R. W. Quarrill
Senior Surveyor
Geomatics Department

njh

Janet Richardson

Thylacine-1 Drilling 8

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
Sent: Tuesday, 8 May 2001 16:21
To: Andy Whittle (E-mail); Bauer, Jenny; Benaris; Carol Bacon (E-mail); Hedger, Linda; Horton, Phillip; Jrichard (E-mail); Kourosh. Mehin (E-mail); Lowry, David; Mussared, Mark; Naumann, Ross; Pass, Greg; Shield, Chris; Simeone, Severino; Stork, Rolf; Taylor, Randall; Trethowan, Ernie; Tye, Stuart; Willink, Rob
Subject: FW: Thylacine-1 pm report 1



Thylacine-1(pmreport_080501_75...

-----Original Message-----

From: Rapaic, Michael M. [mailto:Michael.Rapaic@woodside.com.au]
Sent: Tuesday, May 08, 2001 4:01 PM
To: Cliff, David D.; Bussell, Royd R.; RIC JASON (E-mail)
Cc: Shuster, Mark M.
Subject: FW: Thylacine-1 pm report 1

Gents,

Please find attached 16:00 hrs (EST) report for Thylacine - 1

Cheers

Mike Rapaic
UNVE-SA Geological Services Team
Senior Operations Geologist
Ph. 08 9 348 4317
Fax: 08 9 348 4660
A/H. 08 9 364 8704
Mob. 041 793 4585
E-mail:michael.m.rapaic@woodside.com.au

> -----Original Message-----

> **From:** Bilek, Milan M.
> **Sent:** Tuesday, May 08, 2001 1:50 PM
> **To:** Rapaic, Michael M.
> **Subject:** Thylacine-1 pm report 1
>
> One file attached.
>
> <<Thylacine-1(pmreport_080501_752m_Rpt).doc>>
>
> Regards,
>
> Milan Bilek / Peter Gibson
> (Wellsite Geologists - Thylacine-1)



AFTERNOON GEOLOGICAL REPORT
(for internal distribution only)

WELL: Thylacine-1
DATE: 08/05/01

Depth @ 15:00 hrs WST	752 m
Lag Depth	N/A
Progress since 0600 hrs	0 m
Current operation	Making up 12.25" BHA
Operations since 06:00 hrs	Finished landing BOP's. Pressure tested. Made up 12.25" bottom hole assembly (BHA).
Current Lithology/Frm	N/A
ROP min-max (av)	N/A
Forward Plan	Continue to make up BHA. Run in hole and drill out shoe track plus 3m of 12.25" section whilst displacing sea-water / gel to KCl-PHPA- Glycol based mud system. Conduct formation leak off test and drill 12.25" section as per program.

GAS: N/A

Interval	Total Gas %	C1%	C2%	C3%

COMMENTS:

WELLSITE GEOLOGISTS
M. Bilek / P. Gibson

Janet Richardson

7
Thylacine-1 Drilling

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
Sent: Tuesday, 8 May 2001 15:47
To: Andy Whittle (E-mail); Bauer, Jenny; Benaris; Carol Bacon (E-mail); Hedger, Linda; Horton, Phillip; Jrichard (E-mail); Kourosh. Mehin (E-mail); Lowry, David; Mussared, Mark; Naumann, Ross; Pass, Greg; Shield, Chris; Simeone, Severino; Stork, Rolf; Taylor, Randall; Trethowan, Ernie; Tye, Stuart; Willink, Rob
Subject: FW: Thylacine-1 Mudlog



Thylacine-1(mudlog_1-500_Spud-...

-----Original Message-----

From: Rapaic, Michael M. [mailto:Michael.Rapaic@woodside.com.au]
Sent: Tuesday, May 08, 2001 11:30 AM
To: RIC JASON (E-mail)
Subject: Thylacine-1 Mudlog

<Thylacine-1(mudlog_1-500_Spud-752m).pdf>>

Mike Rapaic
UNVE-SA Geological Services Team
Senior Operations Geologist
Ph. 08 9 348 4317
Fax: 08 9 348 4660
A/H. 08 9 364 8704
Mob. 041 793 4585
E-mail:michael.m.rapaic@woodside.com.au



FORMATION EVALUATION LOG

Thylacine-1

SCALE: 1:500.0



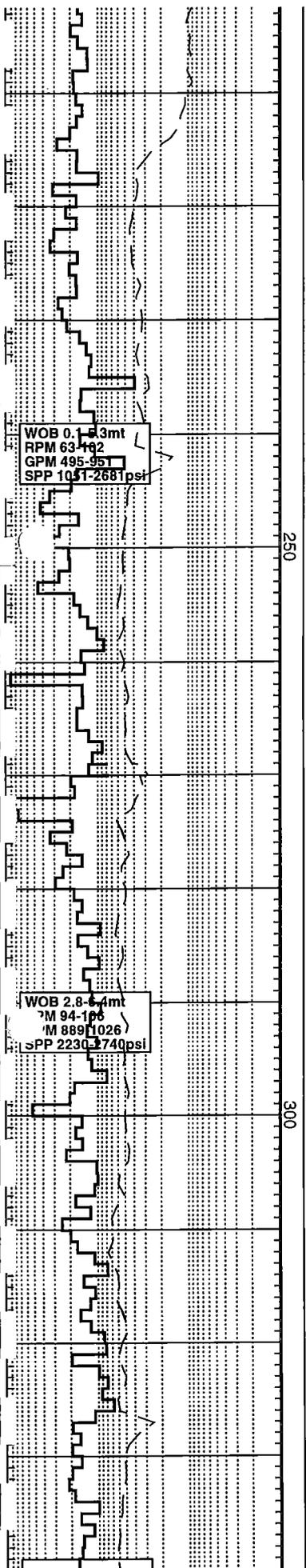
INTEQ

DRILLING PROGRESS	DEPTH (m)	OUTTINGS LITHOLOGY	INTERPRETED LITHOLOGY	CORE	CUT FLUORESCENCE	CALOMETRY	COMMENTS
<p>WOB (tonnes)</p> <p>ROP (m/hr)</p>	0 100 200				<p>Normal Pentane</p> <p>Iso Pentane</p> <p>Normal Butane</p> <p>Iso Butane</p> <p>Propane</p> <p>Ethane</p> <p>Methane (%)</p> <p>Total Gas (%)</p>	<p>Calcite</p> <p>255075</p> <p>Dolomite</p> <p>755025</p>	
							<p>Water Depth=101.5m RT-Seabed=126.4m</p>
							<p>Spud Thylacine-1 @ 03:30hrs on 05 May 2001.</p>
							<p>Drill w/ seawater & Hivis sweeps. Returns to seabed.</p>
							<p>Drill 36" hole to 182m. Set 30" csg shoe @ 181m. Drill ahead 17.5" hole</p>

RB1 Varex L111A 36"
6 x Open jets
55.6m/1.6hrs

WOB 0.2-3.0mt
RPM 19-77
GPM 156-1192
SPP 61-1453ps

NB2 Smith MGSSH 47.5"
3x14 1x16 jets
In 182m 570m/21.4hrs



WOB 0.1-0.3mt
 RPM 63-102
 GPM 495-951
 SPP 1051-2681psi

WOB 2.8-4.4mt
 RPM 94-106
 GPM 889-1026
 SPP 2230-2740psi

250

300

Drill w/ seawater & Hivis sweeps. Returns to seabed.

Drill w/ seawater & Hivis sweeps. Returns to seabed.

Drill w/ seawater & Hivis sweeps. Returns to seabed.

WOB 2.5-7.7mt
RPM 95-106
GPM 835-1015
SPP 1848-2139psi

350

WOB 3.0-17.5mt
RPM 90-111
GPM 591-921
SPP 1884-3030psi

400

06/05/01

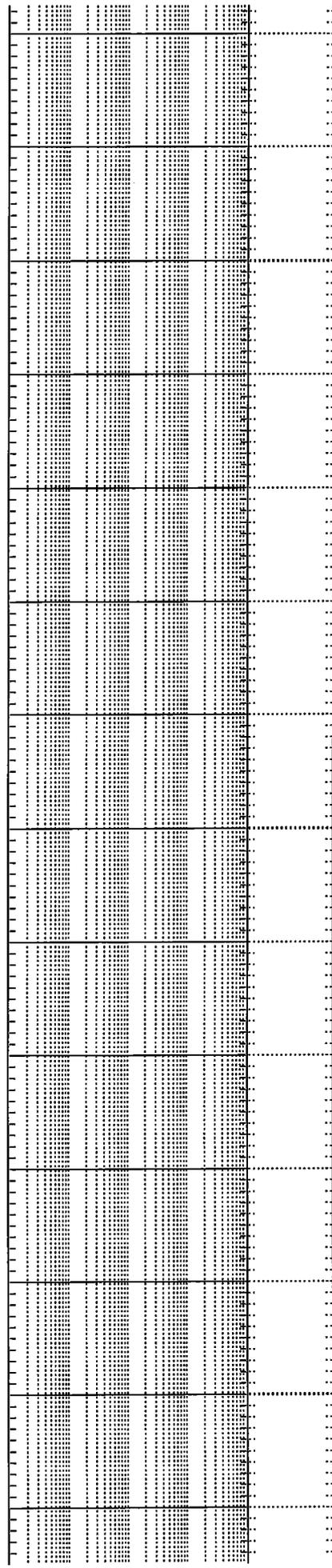
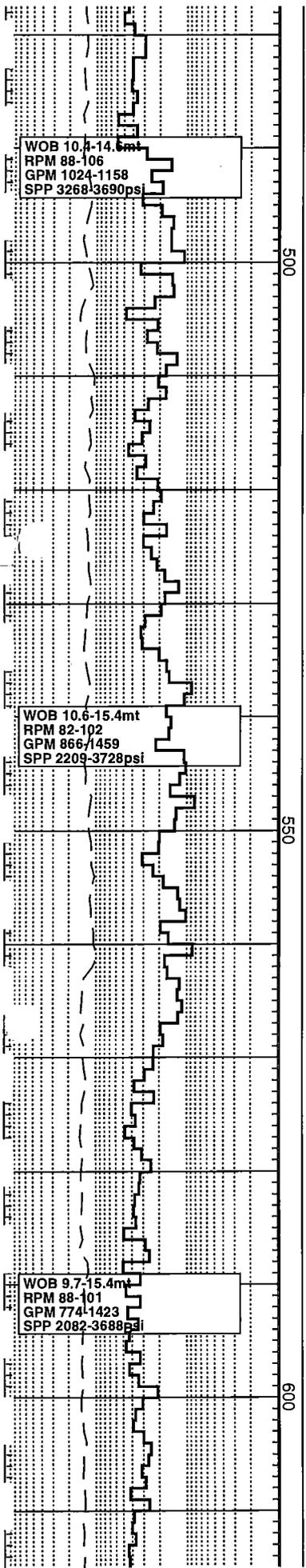
WOB 8.2-12.3mt
RPM 89-106
GPM 951-1159
SPP 2888-3697psi

450

Drill w/ seawater & Hivis sweeps. Returns to seabed.

Drill w/ seawater & Hivis sweeps. Returns to seabed.

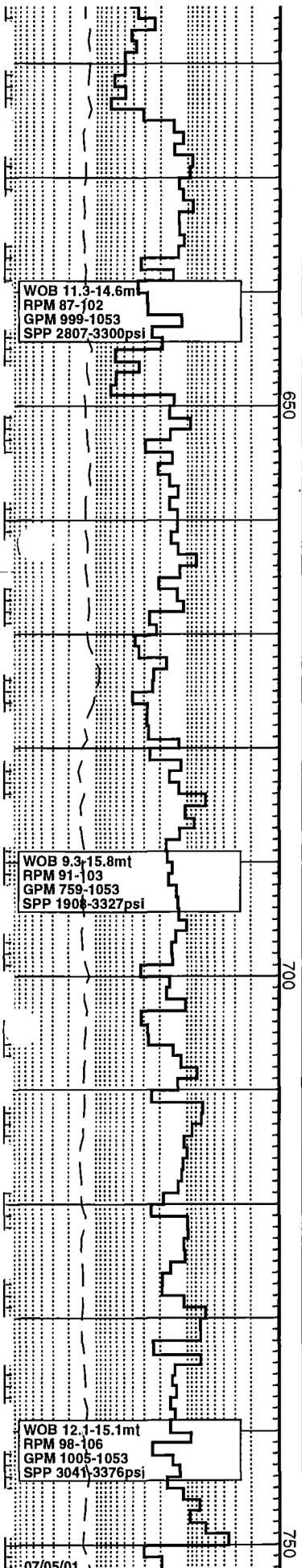
Drill w/ seawater & Hivis sweeps. Returns to seabed.



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Drill w/ seawater & Hivis sweeps. Returns to seabed.

Drill w/ seawater & Hivis sweeps. Returns to seabed.

Thylacine-1 Drilling

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
Sent: Tuesday, 8 May 2001 15:26
To: Andy Whittle (E-mail); Bauer, Jenny; Benaris; Carol Bacon (E-mail); Hedger, Linda; Horton, Phillip; Jrichard (E-mail); Kourosh. Mehin (E-mail); Lowry, David; Mussared, Mark; Naumann, Ross; Pass, Greg; Shield, Chris; Simeone, Severino; Stork, Rolf; Taylor, Randall; Trethowan, Ernie; Tye, Stuart; Willink, Rob
Subject: FW: Daily geological report (1) from Thylacine-1



Thylacine-1(draftDGR0
 1_070501_...

-----Original Message-----

From: Bilek, Milan M. [mailto:Milan.Bilek@woodside.com.au]
Sent: Tuesday, May 08, 2001 7:38 AM
To: BARKER, FRANK; BUSSELL, ROYD; CLIFF, DAVID; OceanB_DrlgEngr; OceanB_WSM; RAPAIC, MICHAEL; ric.jason@upstream.originenergy.com.au
Subject: Daily geological report (1) from Thylacine-1

Attached is one file:

Thylacine-1 daily geological report 1.

Regards,

Milan Bilek / Peter Gibson
 (Wellsite Geologists - Thylacine-1)

<<Thylacine-1(draftDGR01_070501_752m_Rpt).doc>>

**CONFIDENTIAL**

Date:	07 May 2001	Last Casing:	13 3/8" @ 745.3 mMDRT
Report Number:	01	LOT:	N/A
Report Period:	00:00-24:00 Hours	Mud Weight:	1.03
Depth @ 24:00 Hours:	752 mMDRT	ECD	N/A
Depth (mTVDRT)	752 mTVDRT	Mud Type:	Seawater - Gel
Lag Depth:	N/A	Mud Chlorides:	N/A
Last Depth:	752 mMDRT	Est. Pore Press:	Normal
Progress:	0 m	Last Survey Depth:	N/A
Water Depth:	101.4 m LAT	Deviation:	N/A
RT-Sea Level:	25 m	Bit Diameter:	N/A

OPERATIONS SUMMARY

24 HOUR SUMMARY: *Ran 13-3/8" casing to 745.3 mMDRT and cemented in place. Commence to run BOP's and marine riser.*

NEXT 24 HOURS: *Make up 12 1/4" BHA, run in hole, Drill out shoe track plus 3m of new formation. Conduct LOT (Leak Off Test). Drill 12 1/4" hole section as per program.*

CURRENT OPERATION @ 06:00 Hrs 08/05/2001: Landing BOP's

GEOLOGICAL SUMMARY

LITHOLOGY:

No drilling occurred during this period.

MUDLOGGING EQUIPMENT/PERSONNEL:

Total gas and chromatograph FID's calibrated. CO₂ detector plumbed in and calibrated. All sensors and equipment functioning normally.

REMARKS:

Completed mudlogging HSE checklist.

WELLSITE GEOLOGISTS

M. Bilek / P. Gibson

Thylacine-1 Drilling

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Tuesday, 8 May 2001 14:36
 To: Andy Whittle (E-mail); Bauer, Jenny; Benaris; Carol Bacon (E-mail); Hedger, Linda; Horton, Phillip; Jrichard (E-mail); Kourosch. Mehin (E-mail); Lowry, David; Mussared, Mark; Naumann, Ross; Pass, Greg; Shield, Chris; Simeone, Severino; Stork, Rolf; Taylor, Randall; Trethowan, Ernie; Tye, Stuart; Willink, Rob
 Subject: FW: Thylacine-1 DDR04 070501



Thylacine-1 DDR04
070501.pdf

> -----Original Message-----

> From: Forster, Jo J. [mailto:Jo.Forster@woodside.com.au]
 > Sent: Tuesday, May 08, 2001 1:42 PM
 > To: BUSSELL, ROYD; CLIFF, DAVID; FALLOON, STEVE; HOBSON, STEVE; Jenny Bauer (E-mail); KELLY, JON; RAPAIC, MICHAEL; RIBUL, WERNER; Ric Jason (E-mail); SHUSTER, MARK
 > Subject: Thylacine-1 DDR04 070501

> Dear All,
 >
 > Please find attached Thylacine-1 DDR04 070501.

> Kind Regards

> <<Thylacine-1 DDR04 070501.pdf>>

> Jo Forster
 > Technical Assistant
 > Modu Team
 > Well Engineering
 >
 > Tel: 9348 4726
 > Fax: 9348 5255
 > Email: jo.forster@woodside.com.au



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

08/05/2001 11:38:41 AM

THYLACINE-1

Report # : 4 Date : 07/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Days on Well :	4	Depth (m) :	752	Supervisor(s):	D.Bell & S.Trench
Days from Spud :	2.85	TVD (m) :	752	Rig M.I.C :	Dave Deron
Total Budget Days (P50) :	20	Progress(m) :	0		
Progress Budget Days (P50):	5.01	Rig Heading(°):	251		
AFE Cost :	\$10,610,000				
Cumulative Cost :	\$3,484,086				

Ops 00:00 to 06:00 : Continued running riser and BOP's.

Ops Summary (24 hrs) : Displaced 17.5" hole, dropped EMS and POOH. Ran 13-3/8" casing and 18-3/4" wellhead. Cemented and pressure tested casing to 3500psi (24.1MPa) for 10mins. Commenced running riser and Blowout Preventors (BOP's).

Start	Hours	Depth (m)	DT/ILT	Operations
17 1/2"				
0:00	0.50	752	0	Displaced 17.5" hole to gel/drispac and KCL inhibitive drilling fluid. Dropped EMS prior to pulling out of hole.
0:30	5.50	752	0	Pulled out of hole from 752mRT to 123mRT. Jetted 30" wellhead.
6:00	2.00	752	0	Racked back BHA and retrieved EMS. Maximum hole inclination 1.09 deg @ 385mRT.
8:00	0.50	752	0	Held JHA and rigged up to run 13-3/8" casing.
8:30	1.50	752	0	Picked up 13-3/8" shoe track, attached guide-ropes to guidelines and baker locked connections. Tested float collar and float shoe with seawater.
10:00	4.50	752	0 D02	Ran 13-3/8" casing @ 10.2jts/hour. Picked up 18-3/4" wellhead and running tool. Made up cement plugs and 18-3/4" wellhead assembly to running tool.
14:30	0.50	752	0	Rigged down casing handling equipment. Ran 18-3/4" wellhead housing with wear bushing on 5" drillpipe landing string.
15:00	1.00	752	0	Picked up and made up cement head, connected control lines and cementing hoses. Landed 13-3/8" casing and 18-3/4" wellhead housing. Applied 50 klbs (22.7 mt) overpull to confirm latch. OK. Circulated 294 bbl (4.67m3) seawater prior to cementing casing and established circulating pressures @ 8, 10, 15 bpm.
16:00	2.50	752	0	Cemented 13-3/8" casing with 350bbl (55.64m3) 1.50sg lead slurry and 110bbl (17.5m3) 1.90sg tail slurry. Bumped plug and pressure tested casing to 3500psi (24.1MPa) for 10mins. Tested OK. Bled off pressure, floats held OK.
18:30	2.50	752	0	Released running tool and pulled out of hole with landing string. Laid out cement head. Moved rig 50ft (15.2m) off wellhead location prior to handling BOP's.
21:00	1.00	752	0	Held JHA. Rigged up to run riser and BOP's.
22:00	1.00	752	0	Made up riser double and racked back in derrick.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

08/05/2001 11:38:41 AM

THYLACINE-1

Report # : 4 Date : 07/05/2001 Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

17 1/2" 1.00 752 0

Held JHA. Moved BOP and Lower Most Riser Package (LMRP) to moonpool beams.
Function tested BOP's. OK.

Report Duration (in hours) 24



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report
THYLACINE-1

08/05/2001 11:38:41 AM

Report # : 4 Date : 07/05/2001 Page : 3

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Casing - Mud and Survey Data		Riser
Last casing: 30" x 20" @ 181mRT		Riser tension :
Liner:		Riser angle :
Last BOP:		Hole position :
		Comments : Running riser and BOP's
Mud type : PHG	Mud density : 1.06	
Mud and/or Survey comments:	Max 1.09 deg @ 385m	

Weather Information	Support Vessel Movements
Wave (m): 0.6 Swell (m): 0.9 Wind (kn): 20knots @ 70 deg	P Conqueror: Portland supply base.
Temp (°C): 18 Heave (m) : 0 Pitch (°): 0.2 Roll (°): 0.2	P Sentinel: Launceston Dry Dock
Rig Heading(°): 251	Southern Salvor: On standby
Weather comments: Fine, light cloud cover	2 Helicopter flights
	Pax on: 15
	Pax off: 9

OHSE Reports		
	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	0
Stop Cards :	6	24
Stop Tours :	0	0
Days since last LTI :		1316

Materials			
Barite (t or sx)	4116	Fuel (m3)	237
Gel (t or sx)	1572	HeliFuel(ltrs)	9886
Brine (m3)	0	Drill Water (m3)	217
Cement (t or sx)	614	Pot Water (m3)	91
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board			
WEL	6	BHI Logging	6
DOGC	61	Baker Atlas	0
Stolt Comex	6	Dril-Quip	1
Halliburton	2	Dowell	1
BHI Mud	2	Weatherford	2
Schlumberger	0	Expro	0
Sperry Sun	0	Fugro	0
Anadril Schlumberger	2		0
Total POB :			89

Notes/Memo

No incidents of accidents reported in the last 24hrs

- Pacific Sentinel departed rig @ 0240hrs for Launceston dry dock.

Thylacine-1 Drilling

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Tuesday, 8 May 2001 11:39
 To: Andy Whittle (E-mail); Bauer, Jenny; Benaris; Carol Bacon (E-mail); Hedger, Linda; Horton, Phillip; Jrichard (E-mail); Kourosh. Mehin (E-mail); Lowry, David; Mussared, Mark; Naumann, Ross; Pass, Greg; Shield, Chris; Simeone, Severino; Stork, Rolf; Taylor, Randall; Trethowan, Ernie; Tye, Stuart; Willink, Rob
 Subject: FW: Thylacine-1 Afternoon report Mon 7/05/01

Expected to be drilling ahead from 7pm tonight.

Ric Jason
 Origin Energy Resources Ltd
 07 3858 0690
 0419 804 105

-----Original Message-----

From: Barker, Frank F. [mailto:Frank.Barker@woodside.com.au]
 Sent: Monday, May 07, 2001 6:51 PM
 To: AiropsWop; Colman, Jeremy J.; Grubisa, Annalisa A.; 'Jenny Bauer'; Hapaic, Michael M.; 'Ric Jason - ORIGIN'; Shuster, Mark M.; Tan, Heidi H.
 Cc: ??WCModu
 Subject: Thylacine-1 Afternoon report Mon 7/05/01

Currently cementing 13.3/8" casing.
 Regards
 Frank Barker

Thylacine-1 Drilling

Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
 Sent: Tuesday, 8 May 2001 12:44
 To: Andy Whittle (E-mail); Bauer, Jenny; Benaris; Carol Bacon (E-mail); Hedger, Linda; Horton, Phillip; Jrichard (E-mail); Kourosh. Mehin (E-mail); Lowry, David; Mussared, Mark; Naumann, Ross; Pass, Greg; Shield, Chris; Simeone, Severino; Stork, Rolf; Taylor, Randall; Trethowan, Ernie; Tye, Stuart; Willink, Rob
 Subject: Thylacine TD Curve to 7 May 2001



Thylacine-TD-curve.pdf

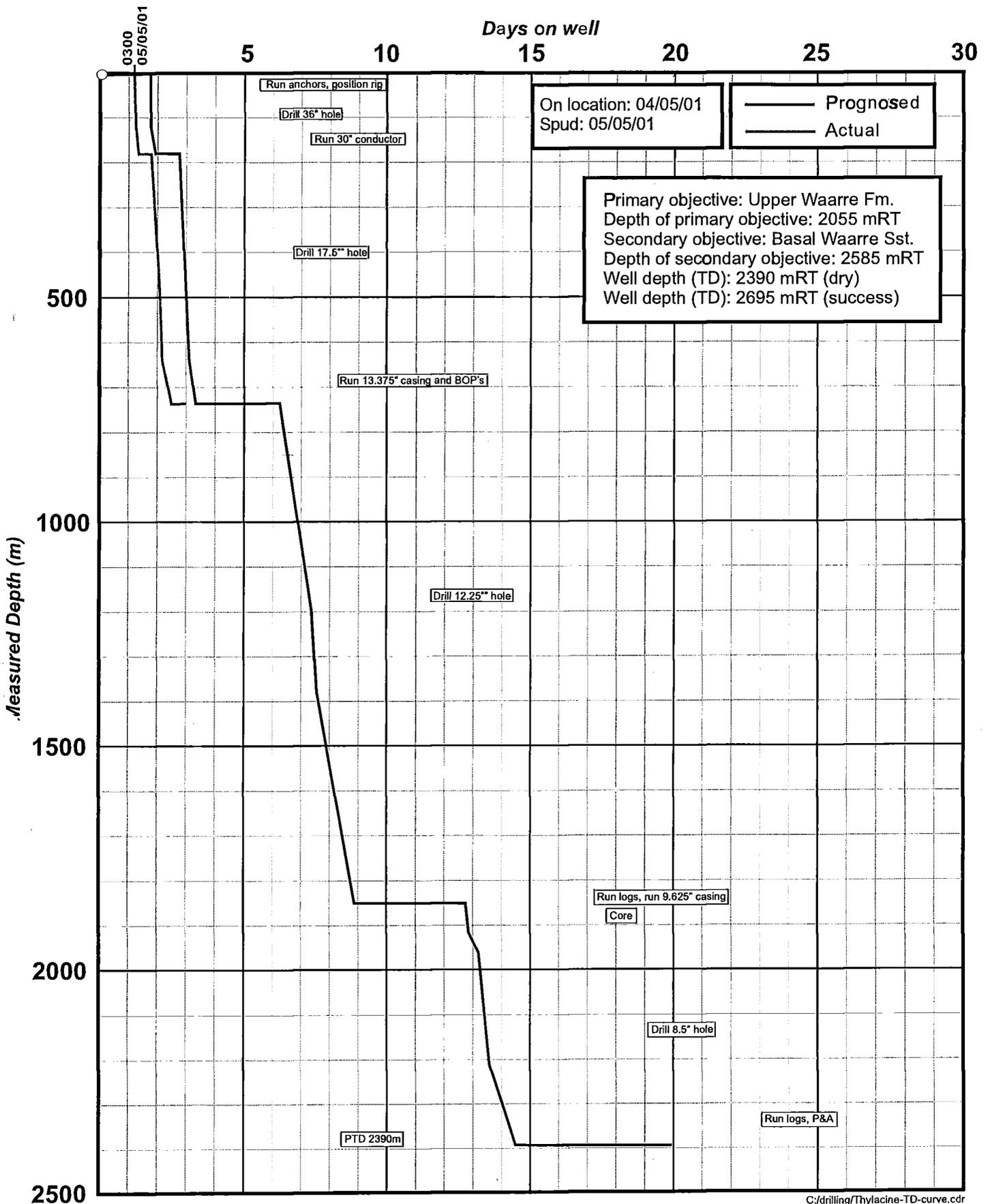
> -----Original Message-----

> From: Horton, Phillip
 > Sent: Tuesday, May 08, 2001 12:12 PM
 > To: Jason, Ric
 > Subject: Ta-DAAA!! Updated Thylacine TD Curve

> <<Thylacine-TD-curve.pdf>>

>
 > Phillip Horton - Junior Geologist
 > Origin Energy Resources Limited
 > South Tower, John Oxley Centre
 > 339 Coronation Drive, Milton QLD 4064
 > Telephone: (+61 7) 3858 0666 direct Fax: (+61 7) 3858 0248
 > mailto: phillip.horton@upstream.originenergy.com.au
 >

Thylacine-1 time vs. Depth curve



Janet Richardson

From: Jason, Ric [Ric.Jason@upstream.originenergy.com.au]
Sent: Tuesday, 8 May 2001 09:52
To: 'jrichard@mrt.tas.gov.au'
Subject: FW: Thylacine-1 Weekend DDR's



Thylacine-1 DDR01
040501.pdf



Thylacine-1 DDR02
050501.pdf



Thylacine-1 DDR03
060501.pdf

> -----Original Message-----
> From: Jason, Ric
> Sent: Tuesday, May 08, 2001 9:02 AM
> To: Andy Whittle (E-mail); Bauer, Jenny; Carol Bacon (E-mail); Hedger,
> Linda; Horton, Phillip; Kourosh. Mehin (E-mail); Mussared, Mark; Naumann,
> Ross; Shield, Chris; Simeone, Severino; Taylor, Randall; Trethowan, Ernie;
> Tye, Stuart; Willink, Rob
> Subject: FW: Thylacine-1 Weekend DDR's

> -----Original Message-----
> From: Forster, Jo J. [mailto:Jo.Forster@woodside.com.au]
> Sent: Monday, May 07, 2001 12:39 PM
> To: BUSSELL, ROYD; CLIFF, DAVID; FALLOON, STEVE; HOBSON, STEVE; Jenny
> Bauer (E-mail); KELLY, JON; RAPAIC, MICHAEL; RIBUL, WERNER; Ric Jason
> (E-mail); SHUSTER, MARK
> Subject: Thylacine-1 Weekend DDR's

> Dear All,
>
> Please find attached Thylacine-1 DDR's.
>
> Kind Regards
>
> <<Thylacine-1 DDR01 040501.pdf>> <<Thylacine-1 DDR02 050501.pdf>>
> <<Thylacine-1 DDR03 060501.pdf>>
>
> Jo Forster
> Technical Assistant
> Modu Team
> Well Engineering
>
> Tel: 9348 4726
> Fax: 9348 5255
> Email: jo.forster@woodside.com.au

MINERAL RESOURCES		
FILE REF: Thylacine-1 DRILLING		
8 - MAY 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
CAB		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	



Madu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

07/05/2001 10:16:51 AM

THYLACINE-1

Report # : 1 Date : 04/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Days on Well :	1	Depth (m) :	0	Supervisor(s):	M.Jackson & S.Trench
Days from Spud :	0	TVD (m) :	3535	Rig M.I.C :	Dave Deron
Total Budget Days (P50) :	20	Progress(m) :	0		
Progress Budget Days (P50):	1.27	Rig Heading(°):	251		
AFE Cost :	\$10,610,000				
Cumulative Cost :	\$1,889,923				

Ops 00:00 to 06:00 : Completed running anchor #5. Landed temporary guide base on seafloor and confirmed water depth. Drilled 36" hole to 182m. Commenced circulating prior to pulling out of hole.

Ops Summary (24 hrs) : Ran primary anchors, ballasted down to drilling draft and commenced running secondary anchors.

Start	Hours	Depth (m)	DT/ILT	Operations
Pre Ops				
0:00	10.00	0	2.25 D01	Ran primary anchors. Drill-floor operations suspended due to rig stability limitations.
10:00	3.50	0	0	Ballasted down to 56ft (17.1m).
13:30	10.50	0	0 D01	Commenced running secondary anchors, continued ballasting down rig to drilling draft and mixed drilling fluid required for 36" hole section.
Report Duration (in hours)		24		



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

07/05/2001 10:16:52 AM

THYLACINE-1

Report #: 1 Date: 04/05/2001 Page: 2

Well Permit: T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Casing - Mud and Survey Data		Riser
Last casing:		Riser tension :
Liner:		Riser angle :
Last BOP:		Hole position :
		Comments :
Mud type : PHG	Mud density : 1.06sg	
Mud and/or Survey comments:		

Weather Information	Support Vessel Movements
Wave (m): 0.3 Swell (m): 0.9 Wind (kn): 10knots @ 90degree	Pacific Conqueror: On standby. Departed for Portland @ 1710hrs
Temp (°C): 17 Heave (m): 0 Pitch (°): 0.3 Roll (°): 0.2	Pacific Sentinel: Running anchors
Rig Heading(°): 251	
Weather comments: Fine	

OHSE Reports		
	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	0
Stop Cards :	1	1
Stop Tours :	0	0
Days since last LTI :		1313

Materials			
Barite (t or sx)	870	Fuel (m3)	243
Gel (t or sx)	404	HeliFuel(ltrs)	10650
Brine (m3)	0	Drill Water (m3)	3
Cement (t or sx)	1156	Pot Water (m3)	84
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board			
WEL	6	BHI Logging	2
DOGC	62	Baker Atlas	0
Stolt Comex	6	DriI-Quip	1
Halliburton	1	Hughes Christensen	0
BHI Mud	3	Weatherford	0
Schlumberger	0	Expro	0
Sperry Sun	0	Fugro	2
Anadril Schlumberger	0		0
Total POB :			83

Notes/Memo

No incidents of accidents reported in the last 24hrs

HSE adviser boarded Pacific Sentinel & Conqueror to give safety and environmental inductions for Otway Basin drilling campaign.

Operations to 06:00:
TGB landed on seafloor. Water depth confirmed as 126.4mRT (tide corrected). TGB heading 245 degrees and level showing 0 degrees.
Penetration of TGB into seabed negligible.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

07/05/2001 10:26:51 AM

THYLACINE-1

Report # : 2 Date : 05/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Days on Well :	2	Depth (m) :	400	Supervisor(s):	M.Jackson & S.Trench
Days from Spud :	0.85	TVD (m) :	400	Rig M.I.C :	Dave Deron
Total Budget Days (P50) :	20	Progress(m) :	400		
Progress Budget Days (P50):	2.88	Rig Heading(°):	251		
AFE Cost :	\$10,610,000				
Cumulative Cost :	\$2,611,803				

Ops 00:00 to 06:00 : Drilling 17.5" hole @ 535mRT.

Ops Summary (24 hrs) : Completed running anchors. PU TGB with 36" BHA and landed TGB on seafloor. Drilled 36" hole to 182.1mRT. POOH and ran and cemented 30"x20" conductor and PGB. RIH with 17.5" BHA, tagged 20" shoe @ 181mRT and drilled 17.5" hole to 400 mRT.

Start	Hours	Depth (m)	D77 /LT	Operations
Pre Ops				
0:00	2.50	0	1.75 D01	Completed running secondary anchors.
2:30	0.75	0	0	Remotely Operated Vehicle (ROV) performed seabed survey. Ran Temporary Guide Base (TGB) on 36" Bottom Hole Assembly (BHA) #1 to seafloor. ROV confirmed TGB heading (245 deg) and inclination prior to landing on seabed. Landed TGB with 2klbs (905kg) down weight. Final TGB bullsseye reading @ 0deg.
Conductor				
3:15	0.25	126	0	Water depth confirmed as 101.4m. Unlatched 36" BHA from TGB.
3:30	2.25	182	0	Drilled 36" hole section from 126.4mRT (seabed) to 182.1mRT.
5:45	0.50	182	0	Circulated 100bbl (15.9m3) gel sweep @ 36" hole section total depth (TD). Displaced hole with 350bbl (55.6m3) gel. Dropped Totco survey.
6:15	1.75	182	0	Pulled out of hole (POOH) from 182.1mRT. Racked back BHA and retrieved Totco survey tool. Totco read 1 deg inclination at TD.
8:00	0.50	182	0	Rigged up (R/U) to run 30"x20" conductor.
8:30	2.00	182	0	Picked up (P/U) 30" x 20" shoe joint and tested with seawater. Floats held OK. P/U remaining 4 joints of conductor and ran through PGB, filling with seawater as run. Landed 30" wellhead housing on rotary table in preparation to pick up running tool and cement stinger.
10:30	0.50	182	0	P/U cement stinger, 30" running tool and make up (M/U) to 30" wellhead housing.
11:00	0.50	182	0	Lowered 30" x 20" conductor and landed 30" wellhead housing on PGB. Filled with seawater.
11:30	1.75	182	0	Lowered 30" x 20" conductor and PGB on drillpipe landing string. Rigged up cement lines and landed PGB on TGB. 30" wellhead housing @ 123.70mRT. Checked bullsseyes (1 deg stbd) and installed TGB/PGB retrieval chains with ROV.
13:15	1.75	182	0	Pumped 75bbl (11.9m3) seawater @ 450gpm (1.7m3/min). Pumped 10bbls (1.59m3) seawater c/w fluorescene dye from halliburton unit and pressure tested lines to 1000psi (6.9MPa). Tested OK. Mixed and pumped 216 bbls (34.3m3) of 1.91sg Class G cement slurry. Displaced with 16.34bbls (2.61m3) of seawater.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

07/05/2001 10:26:52 AM

THYLACINE-1

Report # : 2 Date : 05/05/2001 Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Conductor

15:00	0.75	182	0	Pulled out of hole and laid down (L/D) running tool.
15:45	3.00	182	0	L/D 36" BHA. M/U 17.5" BHA #2. Attached guideropes to BHA and RIH. Stabbed 17.5" BHA into 30" wellhead housing with ROV assistance.
17:12"				
18:45	0.75	182	0 L02	Serviced top drive
19:30	0.25	182	0	Continued RIH with 17.5" BHA. Tagged 20" shoe @ 181mRT.
19:45	0.75	182	0	Drilled out 20" shoe.
20:30	3.50	400	0	Drilled 17.5" hole riserless (with Gel/Guar gum sweeps) from 182mRT to 400mRT.

Report Duration (in hours) 24



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

07/05/2001 10:26:53 AM

THYLACINE-1

Report #: 2 Date : 05/05/2001 Page : 3

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

<p style="text-align: center;">Casing - Mud and Survey Data</p> <p>Last casing: 30" @ 181m Liner: Last BOP:</p> <p>Mud type : Guar Gum, PHG and S/ Mud density : 1.06</p> <p>Mud and/or Survey comments:</p>	<p style="text-align: center;">Riser</p> <p>Riser tension : Riser angle : Hole position : Comments : Riserless drilling</p>
--	--

Weather Information

Wave (m): 0.6 Swell (m): 0.6 Wind (kn): 18knots @ 215 degree
Temp (°C): 18 Heave (m): 0 Pitch (°): 0.2 Roll (°): 0.2
Rig Heading(°): 251
Weather comments: Fine, light winds

Support Vessel Movements

Pacific Conqueror:
Arrived at rig @ 1900hrs. On standby

Pacific Sentinel:
Departed rig to Portland supply base @ 1855hrs.

OHSE Reports

	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	0
Stop Cards :	6	7
Stop Tours :	0	0
Days since last LTI :		1314

Materials

Barite (t or sx)	870	Fuel (m3)	269
Gel (t or sx)	608	HeliFuel(ltrs)	10650
Brine (m3)	0	Drill Water (m3)	103
Cement (t or sx)	0	Pot Water (m3)	86
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board

WEL	4	BHI Logging	2
DOGC	61	Baker Atlas	0
Stolt Comex	6	Dril-Quip	1
Halliburton	2	Dowell	1
BHI Mud	2	Weatherford	2
Schlumberger	0	Expro	0
Sperry Sun	0	Fugro	1
Anadril Schlumberger	1		0
Total POB :			83

Notes/Memo

No incidents of accidents reported in the last 24hrs

Final Thylacine-1 drill stem position:
Lat 39o 14' 27.592"S Long 142o 54' 44.169"E
Easting 665 030.3m Northing 5 654 721.5m

Drill stem position is 6.8m at a bearing of 111.7o (grid) from the design location

Performed seabed survey. Seabed relatively flat with very little superficial sediment.

During drilling 36" Section: Good returns observed at seafloor.
During drilling 17.5" Section: Good returns observed at seabed to midnight depth.

Maximum liner rated pressure @ 120spm = 4670psi. Pressure safety valves (PSV's) set @ 4400psi.



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

07/05/2001 10:34:57 AM

THYLACINE-1

Report # : 3 Date : 06/05/2001 Page : 1

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Days on Well :	3	Depth (m) :	752	Supervisor(s):	M.Jackson & S.Trench
Days from Spud :	1.85	TVD (m) :	752	Rig M.I.C :	Dave Deron
Total Budget Days (P50) :	20	Progress(m) :	352		
Progress Budget Days (P50):	3.5	Rig Heading(°):	251		
AFE Cost :	\$10,610,000				
Cumulative Cost :	\$3,189,180				

Ops 00:00 to 06:00 : Displaced wellbore, dropped Electronic Multi Shot (EMS) survey tool and pulled out of hole to 80 mRT. Laying down 17.5" BHA.

Ops Summary (24 hrs) : Drilled 17.5" section from 400mRT to 752mRT (TD). Pumped sweep and commenced hole displacement prior to pulling out of hole to run 13-3/8" casing.

Start	Hours	Depth (m)	DT/ILT	Operations
17 1/2"				
0:00	2.50	480	0	Drilled 17.5" hole from 400 - 480 mRT.
2:30	10.00	640	0	Drilled 17.5" hole from 480 - 640mRT.
12:30	10.50	752	0	Drilled 17.5" hole from 640 - 752mRT (section TD).
23:00	0.50	752	0	Pumped 200 bbl (31.8m3) hi-viscosity sweep at TD and circulated out of hole with seawater.
23:30	0.50	752	0	Commenced pumping Gel/Drispac pill for hole displacement prior to pulling out of hole to run 13-3/8" casing.
Report Duration (in hours)				24



Modu Well
Engineering

WOODSIDE ENERGY Ltd
Daily Drilling Report

07/05/2001 10:34:58 AM

THYLACINE-1

Report # : 3 Date : 06/05/2001 Page : 2

Well Permit : T/30P Rig: Ocean Bounty Water Depth (m): 101 Well Start: 20/04/01 0:00

Casing - Mud and Survey Data	Riser
Last casing: 30" x 20" @ 181mRT	Riser tension :
Liner:	Riser angle :
Last BOP:	Hole position :
	Comments : Riserless drilling
Mud type : Guar Gum, PHG and S/ Mud density : 1.06	
Mud and/or Survey comments:	

Weather Information	Support Vessel Movements
Wave (m): 0.6 Swell (m): 0.6 Wind (kn): 17knots @ 215 degree	P Conqueror: Portland supply base.
Temp (°C): 19 Heave (m): 0 Pitch (°): 0.2 Roll (°): 0.2	P Sentinel: Arrived at rig @ 1645hrs.
Rig Heading(°): 251	Southern Salvor: On standby 1nm from rig
Weather comments: Fine, light cloud cover	Pax on: 0
	Pax off: 0

OHSE Reports		
	Daily	Cumul.
LTI's :	0	0
TRC's :	0	0
Incident Reports :	0	0
Stop Cards :	11	18
Stop Tours :	0	0
Days since last LTI :		1315

Materials			
Barite (t or sx)	4433	Fuel (m3)	247
Gel (t or sx)	1693	HeliFuel(ltrs)	10650
Brine (m3)	0	Drill Water (m3)	285
Cement (t or sx)	2302	Pot Water (m3)	91
Blend (t or sx)	0		
Base oil (m3)	0		

Personnel on Board			
WEL	4	BHI Logging	2
DOGC	61	Baker Atlas	0
Stolt Comex	6	Dril-Quip	1
Halliburton	2	Dowell	1
BHI Mud	2	Weatherford	2
Schlumberger	0	Expro	0
Sperry Sun	0	Fugro	1
Anadril Schlumberger	1		0
Total POB :		83	

Notes/Memo

No incidents of accidents reported in the last 24hrs.

Plan to load Conqueror in Portland on Tuesday 08/05/01.

Operations to 0600hrs:

Displaced wellbore to gel/drispac and weighted / inhibitive Potassium Chloride (KCl). Commenced pulling out of hole to 620mRT. Overpulls of between 30 - 55 klbs taken on first three stands out of hole. (pulled through tight spots with low pump rate and slow rotation). Ran back in hole for partial wiper trip to 752mRT without pumps or rotation. Took EMS survey and spotted another 150bbl weighted / inhibitive KCl pill across Gellibrand Marl. Pulled out of hole without overpulls.

Pacific Sentinel departed to Launceston for dry dock repairs.

Conducted man overboard drill with Southern Salvor.



facsimile

To	Dr Ong Peng Su	Benaris International	SC #06
	A Whittle		SC #76
	C Bacon	Mineral Resources Tasmania	03 6233 8338
	K Mehin	DNRE (Victoria)	03 9412 5156
	B Armour	DNRE (Victoria)	03 9412 5152

From	Ric Jason	Date	4 May 2001
------	-----------	------	------------

Copy		Pages	7
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Subject	T/30P - Thylacine 1 Daily Drilling Reports
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This Transmittal is confidential. If you have received this document in error, please contact Origin Energy immediately.

Please find attached the Daily Drilling Reports 1 - 3 for your information.

The rig was on location at Thylacine 1 at 03:00 hours on 4 May 2001.

Yours faithfully



Ric Jason
Staff Geoscientist

07 3858 0690 - ric.Jason@upstream.originenergy.com.au

MINERAL RESOURCES		
FILE REF:	Thylacine - Drilling	
7 - MAY 2001		
OOC REF: 010316		
OFFICER	FOR ACTION	FOR INFO
CAB		<input checked="" type="checkbox"/>
RESUBMIT TO	DATE	

**Northright to
Thylacine Tow**

**Woodside Energy Ltd
Daily Drilling Report
Wall Engineering MODU Team**



Report # : 3 Date : 03/05/01 Page : 1
Well Permit : Rig: Ocean Bounty Water Depth (m): Tow Start: 01/05/01
Days on Tow : 2.57 Depth (m) : 0000 Supervisor(s): M. Jackson & S. Trench
Days from Spud : 00.0 TVD (m) : 0000.0 Rig M.I.C : D. Deron
Budget Days : 00.0 Progress(m) : 0
Current Budget Days: 00.0 Rig Heading(°): 000
APE Cost : \$0,000,000
Cumulative Cost : \$0

Present Ops at 6:00 : Dropped anchor # 6 on run in to Thylacine location. Ran anchor # 2.
 Currently running anchor # 7.

Ops Summary (24 hrs): Continued to tow Ocean Bounty MODU from Eagle Bay's Northright-1 location to Thylacine-1. Average low speed over report period 5.12 knots. Picked up 36" and 17.5" BHA's, 5 stands HWDP, 22 stands of drillpipe and M/U 18-3/4" wellhead running tool to a stand of drillpipe (off critical path).

Start	Finish	Hours	Activity	Depth	OT	Operations
00:00	06:00	6.00	Mobilise Rig	-	-	Tow rig from Northright-1 to Thylacine-1 location. Position @ 0600hrs: Lat 38° 12.5' 00" S Long 148° 53.5' 00" E Rig Heading: 270° Distance travelled: 31.2 nm. Distance remaining: 92 nm. Average Speed: 3.1 knots
06:00	12:00	6.00	Mobilise Rig	-	-	Tow rig from Northright-1 to Thylacine-1 location. Position @ 1200hrs: Lat 38° 12.5' 00" S Long 144° 08.5' 00" E Rig Heading: 270° Distance travelled: 34.5 nm. Distance remaining: 57 nm. Average Speed: 5.76 knots
12:00	16:00	4.00	Mobilise Rig	-	-	Tow rig from Northright-1 to Thylacine-1 location. Position @ 1800hrs: Lat 39° 11' 00" S Long 143° 32' 00" E Rig Heading: 270° Distance travelled: 28 nm. Distance remaining: 28 nm. Average Speed: 4.67 knots
18:00	24:00	6.00	Mobilise Rig	-	-	Tow rig from Northright-1 to Thylacine-1 location. Slowed rig on run in to Thylacine location and commenced preparations to drop anchor # 6. End of passage (BOP) @ 2148hrs, 3hrs from Thylacine-1 location. 2245hrs - Pacific Sentinel passed starboard low wire to rig Tow speed reduced to 2 knots for run in to location. Total distance travelled to EOP 310nm Total steaming time to EOP 09.95hr

Report Duration (In hours) 24

Woodside Energy Ltd
Daily Drilling Report
Well Engineering MODU Team



Report # : 3

Date : 03/05/01 Page : 2

Well Permit :

Rig: Ocean Bounty Water Depth (m): 0.0

Tow Start:

01/05/01

Casing - Mud and Survey Data

**Lost casing:
 Next casing:**

Linen

Last BOP:

Mud type :

**Mud and/or
 Survey comments:**

Mud density :

Riser

Riser tension : 0

Riser angle : 0

Hole position : 0

Comments :

Weather Information

Waves (m): 0.6 Swell (m): 0.9 Wind (kts): 10 kts @ 00°

Temp (°C): 18 Heave (m) : 0.0 Pitch (°): 0.7

Roll (°): 0.6 Rig Heading(°): N/A

Weather comments: Fine.

Support Vessel Movements

**Pacific Conqueror:
 On tow bridle**

**Pacific Sentinel:
 Standing by to run anchors**

**Helicopter Operations: 1
 Pax on: 6 Pax off: 2**

Personnel on Board

WET	8	Anadrill	0
DOGC	60	Schlumberger	0
Stolt Comex	6	Dril-Qulp	1
Halliburton	1	Weatherford	0
BHI Mud	2	BHI mud logging	2
Fugro	2	Hughes Christ	1

Total POB : 84

OHSE Repons

	Daily	Cumul.
LTTs :	0	0
TRC's :	0	0
Incident Reports:	0	0
Stop Cards :	7	17
Stop Tours :	0	0
Days since last LTI :		1312

Materials

Brine (ex)	870	Fuel (m3)	254
Gel (ex)	643	HellFuel(ltrs)	11337
Brine (m3)	0	Drill Water (m3)	165
Cement (ex)	366	Pot Water (m3)	89
Blend (t)	0	Base oil (m3)	0

Notes/Memo

No accidents or incidents reported in the last 24hrs.

Campaign Action Register (including environmental items) developed for Thylacine-1 and Geographe-1.

**Northright to
 Thylacine Tow**

Woodside Energy Ltd
 Daily Drilling Report
 Well Engineering MODU Team



Report # : 2 **Date : 02/05/01** **Page : 1**
Well Permit : **Rig: Ocean Bounty** **Water Depth (m):** **Tow Start: 01/05/01**
Days on Tow : 1.57 **Depth (m) :** 0000 **Supervisor(s):** M. Jackson & S. Trench
Days from Spud : 00.0 **TVD (m) :** 0000.0 **Rig M.I.C :** D. Deron
Budget Days : 00.0 **Progress(m) :** 0
Current Budget Days: 00.0 **Rig Heading(°):** 000
AFE Cost : \$0,000,000
Cumulative Cost : \$0

Present Ops at 6:00 : Continued to tow Ocean Bounty towards Thylacine 1 location. Present location Lat 39° 12.5' 00"S, Long 144° 53.5' 00"E. Distance remaining to Thylacine-1 92 Nm.

Ops Summary (24 hrs): Continued to tow Ocean Bounty MODU from Eagle Bay's Northright-1 location to Thylacine-1. Average tow speed over report period 5.29 knots. Continued pre-spud preparations.

Start	Finish	Hours	Activity	Depth	OT	Operations
00:00	06:00	6.00	Mobilise Rig	-	-	Tow rig from Northright-1 to Thylacine-1 location. Position @ 0600hrs: Lat 39° 54' 00" S Long 147° 34.8' 00" E Rig Heading: 251° Distance travelled: 33.5 Nm. Distance remaining: 218.5 Nm. Average Speed: 6.58 knots
06:00	12:00	6.00	Mobilise Rig	-	-	Tow rig from Northright-1 to Thylacine-1 location. Position @ 1200hrs: Lat 39° 04' 00" S Long 146° 57' 00" E Rig Heading: 251° Distance travelled: 28.5 Nm. Distance remaining: 190 Nm. Average Speed: 4.75 knots
12:00	18:00	6.00	Mobilise Rig	-	-	Tow rig from Northright-1 to Thylacine-1 location. Position @ 1800hrs: Lat 39° 11.7' 00" S Long 146° 15' 00" E Rig Heading: 268° Distance travelled: 33 Nm. Distance remaining: 158 Nm. Average Speed: 5.50 knots
18:00	24:00	6.00	Mobilise Rig	-	-	Tow rig from Northright-1 to Thylacine-1 location. Position @ 2400hrs: Lat 39° 12' 00" S Long 145° 33.5' 05" E Rig Heading: 268° Distance travelled: 32 Nm. Distance remaining: 124 Nm. Average Speed: 5.33 knots

Report Duration (In hours) 24

Woodside Energy Ltd
 Daily Drilling Report
 Well Engineering MODU Team



Report # : 2 **Date : 02/05/01** **Page : 2**
 Well Permit : Rig: Ocean Bounty Water Depth (m): 0.0 Tow Start: 01/05/01

Casing - Mud and Survey Data

Last casing:
 Next casing:

Liner:

Last BOP:

Mud type :

Mud and/or

Survey comments:

Mud density :

Riser

Riser tension : 0

Riser angle : 0

Hole position : 0

Comments :

Weather Information

Wsva (m): 0.6 Swell (m): 1.8 Wind (kn): 18 Ms @ 135°

Temp (°C): 18 Heave (m): 0.0 Pitch (°): 0.6

Roll (°): 0.0 Rig Heading(°): N/A

Weather comments: Fine with light cloud cover.

Support Vessel Movements

Pacific Conqueror:
 On tow bridle

Pacific Sentinel:
 Towing on starboard wire

Helicopter Operations: 1
 Pax on: 5 Pax off: 4

Personnel on Board

W&L	7	Anadrill	0
DOGC	59	Schlumberger	0
Stolt Comex	6	Dril-Quip	1
Halliburton	1	Weatherford	0
BHI Mud	2	BHI mud logging	2
Fugro	2		

Total POB : 80

Materials

Barite (sx)	870	Fuel (m3)	260
Gel (sx)	843	HeliFuel(ltrs)	11337
erine (m3)	0	Drill Water (m3)	183
Cement (sx)	366	Pot Water (m3)	85
Blend (t)	0	Base oil (m3)	0

OHSE Reports

	Daily	Cumul.
LTI's :	0	0
TRC'a :	0	0
Incident Reports:	0	0
Stop Cards :	4	11
Stop Tours :	0	0
Days since last LTI :		1311

Notes/Memo

No accidents or incidents reponad in the last 24hrs.
 Completed rig pre-spud, safety and environmental inductions.
 Performed PMS work. Serviced top drive.
 Performed rig abandonment drill and held weekly safety meeting.

**Northright to
Thylacine Tow**

**Woodside Energy Ltd
Daily Drilling Report
Well Engineering MODU Team**



Report # : 1 Date : 01/05/01 Page : 1
Well Permit : Rig: Ocean Bounty Water Depth (m): Tow Start: 01/05/01
Days on Well : 00.0 Depth (m) : 0000 Superviaor(s): M. Jackson & S. Trench
Days from Spud : 00.0 TVD (m) : 000.0 Rig M.I.C : D. Daron
Budget Days : 00.0 Progress(m) : 0
Current Budget Days: 00.0 Rig Heading(°): 000
AFE Cost : \$0,000,000
Cumulative Cost : \$0

Present Ops at 6:00 : Continued to tow Ocean Bounty towards Thylacine 1 location. Present location @ Lat 38° 54' 00" S, Long 147° 34.8' 00" E. Average tow speed over report period 4.99 knots. Distance remaining to Thylacine-1 218.5 Nm.

Ops Summary (24 hrs): End of Eagle Bay well @ 10:15am 1st May 2001. Towed Ocean Bounty MODU from Eagle Bay's Northright-1 location to Thylacine-1. Commenced preparations to spud 36" hole section.

Start	Finish	Hours	Activity	Depth	DT	Operations
10.15	12:00	1.75	Mobilise Rig	-	-	Tow rig from Northright-1 to Thylacine-1 location. Position @ 1200hrs: Lat 38° 00' 00" S Long 149° 03' 00" E Rig Heading: 220° Distance travelled: 6.5 Nm. Distance remaining: 310 Nm. Average Speed: 3.71 knots
12:00	18:00	6	Mobilise Rig	-	-	Tow rig from Nonhright-1 to Thylacine-1 location. Position @ 1800hrs: Lat 38° 23' 00" S Long 149° 39.5' 00" E Rig Heading: 225° Distance travelled: 30 Nm. Distance remaining: 280 Nm. Average Speed: 5.0 knots
18:00	24:00	6	Mobilise Rig	-	-	Tow rig from Northright-1 to Thylacine-1 location. Position @ 0000hrs: Lat 38° 42.7' 00" S Long 143° 12' 00" E Rig Heading: 251° Distance travelled: 29.5 Nm. Distance remaining: 252 Nm. Average Speed: 4.75 knots

Report Duration (In hours) 13.75

