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DAILY DRILLING REPORT

SUNBIRD-1



TEIKOKU OIL (BONAPARTE GULF) CO. LTD.
DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Log move	15.5	15.5			Bit Run		Bit Run		Depth:		
Drilling			Mud type		Descr.	Length	Desc.	Length	#1	SPR	#2
P/U-L/D BHA			Mud wt. SG							<-20>	
Drilling			Funnel Vis							<-30>	
Leaming			PV/YP							<-40>	
Src. & cond.			Gels								
Trips			API W/L								
Survey			Cake (mm)								
Electric logging			Sulfite (mg/l)								
Casing			Pf/Mf								
Cement			KCl %								
N/U test BOP			Cl (ppm)								
Rig main/repair			K (ppm)								
Coring			Tot. hardness mg/l								
Weather			pH								
DST			Solids %								
P & A			Water %								
Fishing			Sand %								
Other			MBT(ppb)								
Total	15.5	15.5	PHPA (ppb)								

BIT RECORD												Dull Bit Condition			
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L

	W O B		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
Run	Drag (tonnes)			Torque (amps)			Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btn		HHP	Impact Force	HSI	%P _{ht}	P _{ht}	DC x OH	DP x OH	

ROP Test:		DRILLS				GEOLOGY			
Function:	25/07/94	F/Abn	MOB	Pit	Trip	Lithology	T/Gas	C/Gas	BG/Gas
Rig Inspect:	7/08/94	7/08/94	18/07/94	2/08/94	10/08/94		-	-	-

Last LTA:	27/03/94	Last incident:	16/06/94
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VORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	On rig tow bridge.		
LADY PENELOPE	Standby with rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	820	200	0	1020	VDL:1603 tonnes
Bentonite (sacks)	670	500	1577	2747	
Cement (sacks)	1300	0	1956	3256	
Hot water (tonne)	131	102	200	433	
Drill water (tonne)	193	380	333	906	
Fuel (litres)	89,000	180,000	179,800	448800	
Helifuel (litres)				0	
Fuel last 24 hrs (litres)	2000	9000	5300	16300	Daily fuel cost: \$9,714.80

DAILY MUD COST:	NIL	CUM MUD COST:	
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PERSONEL ON RIG:			
& B	47	T O C	3
SERVICE	4	OTHER	4
TOTAL	58		

HELICOPTER FLIGHTS TO RIG :	PAX ON:	PAX OFF:
Freight:		

DIM:-	J. LaFleur	GEOLOGIST:-	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
g move	10.0	25.5			Bit Run		Bit Run		Depth:		
cking	1.5	1.5	Mud type		Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA	0.5	0.5	Mud wt. SG							<-20->	
Drilling			Funnel Vis							<-30->	
aming			PV/YP							<-40->	
rc. & cond.			Gels								
rips			API W/L								
Survey			Cake (mm)								
ectric logging			Sulfite (mg/l)								
using			Pf/Mf								
ment			KCl %								
N/U test BOP			Cl (ppm)								
ig main/repair			K (ppm)								
ring			Tot. hardness mg/l								
ather			pH								
DST			Solids %								
P & A			Water %			TOTAL	0.00	TOTAL	0.00		
shing			Sand %			JAR		JAR			
ther			MBT(ppb)			SER No.		SER No			
Total	24.0	39.5	PHPA (ppb)			HOURS		HOURS			

BIT RECORD												Dull Bit Condition							
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L	B	G	O	R

W O B		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
Run	Drag (tonnes)		Torque (amps)		Hydraulics				AV m/min				
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{max}	P _{max}	DC x OH	DP x OH	

OP Test:	25/07/94	DRILLS				GEOLOGY				
ection:	25/07/94	F/Abn	MOB	Pit	Trip	Lithology	T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	7/08/94	7/08/94	18/07/94	2/08/94	10/08/94		-	-	-	-

ast LTA:	27/03/94	Last incident:	16/06/94
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ORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	Standby at rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	820	200	0	1020	VDL:1603 tonnes
Bentonite (sacks)	670	500	1577	2747	
ment (sacks)	1300	0	1956	3256	
it water (tonne)	109	102	194	405	
ill water (tonne)	62	380	333	775	
Fuel (litres)	81,000	175,000	176,500	432500	
el fuel (litres)				0	
el last 24 hrs (litres)	8000	5000	3300	16300	Daily fuel cost: \$9,714.80

DAILY MUD COST:	NIL	CUM MUD COST:	
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PERSONEL ON RIG:									
& B	45	T O C	3	SERVICE	12	OTHER	1	TOTAL	61

HELICOPTER FLIGHTS TO RIG :	2	PAX ON:	19	PAX OFF:	16				
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Freight:									
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IM:-	J. LaFleur	GEOLOGIST:-		DRLG ENG:-	G.Rowlands	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5			Bit Run	1	Bit Run		Depth:		
Jacking		1.5	Mud type	Pre-hyd gel	Descr.	Length	Desc.	Length	#1	SPR	#2
P/U-L/D BHA	4.0	4.5	Mud wt. S/G	1.03	26" Bit	0.62				<-20->	
Drilling	8.5	8.5	Funnel Vis	120	36" H/O	2.14				<-30->	
Reaming	0.5	0.5	PV/YP		Float-sub	0.92				<-40->	
Circ. & cond.	1.0	1.0	Gels		5 x 9 1/2" dcs	45.14					
Trips	4.5	4.5	API W/L		X/O	1.28					
Survey	0.5	0.5	Cake (mm)		1 x 8" dc	9.35					
Electric logging			Sulfite (mg/l)		X/O	0.85					
Casing	1.0	1.0	Pf/Mf		1 std HWD	28.38					
Cement			KCl %								
N/U test BOP			Cl (ppm)								
Rig main/repair			K (ppm)								
Coring			Tot. hardness mg/l								
Weather			pH								
DST			Solids %								
P & A			Water %								
Fishing			Sand %								
Other	4.0	16.0	MBT(ppb)								
Total	24.0	63.5	PHPA (ppb)								

BIT RECORD												Dull Bit Condition	
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O D L B G O R
1	26"	VAREL	L111	111	454275	68	109	41	8.5	4.82	3 x 24		
	36"	Grant	H/opener			68	107.5	39.5	8.5	4.65	4 x 20		

WOB(tonnes)		RPM		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
1	3	5	70	90	4921	1300	4482	650	6 1/2	6 1/2	100	100	
Run		Drag (tonnes)		Torque (amps)		Hydraulics				AV m/min			
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	% P _{bit}	P _{bit}	DC x OH	DP x OH	

3OP Test:		DRILLS				GEOLOGY			
Function:		F/Abn	MOB	Pit	Trip	Lithology	T/Gas	C/Gas	BG/Gas
Rig Inspect:	7/08/94	16/08/94	18/7/94				-	-	-

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	En-route Darwin	13:30hrs	Aug 17, 1994
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1080	0	0	1080	VDL:1733 tonne
Bentonite (sacks)	670	0	1577	2247	
Cement (sacks)	1300	0	1956	3256	
Hot water (tonne)	147	20	190	357	
Drill water (tonne)	205	100	333	638	
Fuel (litres)	160,000	86,500	175,200	421,700	
Helifuel (litres)				0	
Fuel last 24 hrs (litres)	9000	500	1300	10800	Daily fuel cost: \$6,437

DAILY MUD COST:	\$12,043	CUM MUD COST:	\$12,043
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PERSONEL ON RIG:			
A & B	43	T O C	2
SERVICE	11	OTHER	
TOTAL	56		

HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	1	PAX OFF:	6
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Freight:	
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DIR:-	J. LaFleur	GEOLOGIST:-		DRLG ENG:-	G.Rowlands	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5			Bit Run	2	Bit Run		Depth:		
acking		1.5	Mud type	Pre-hyd gel	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA	2.0	6.5	Mud wt. SG	1.03	26" Bit	0.62				<-20->	
Drilling		8.5	Funnel Vis	120	36" H/O	2.14				<-30->	
Teaming	1.0	1.5	PV/YP		36" H/O	2.75				<-40->	
Circ. & cond.	1.5	2.5	Gels		Bit -sub	0.92					
Trips	1.5	6.0	API W/L		5 x 9 1/2" dc	45.14					
Survey		0.5	Cake (mm)		X/O	1.28					
Electric logging			Sulfite (mg/l)		1 x 8" dc	9.35					
Casing	12.5	13.5	Pf/Mf		X/O	0.85					
Cement	3.0	3.0	KCl %		1 x HWDP	28.38					
N/U test BOP	1.5	1.5	Cl (ppm)								
Rig main/repair			K (ppm)								
Coring			Tot. hardness mg/l								
Weather			pH								
DST			Solids %								
P & A			Water %								
Fishing			Sand %								
Other	1.0	17.0	MBT(ppb)								
			PHPA (ppb)								
Total	24.0	87.5									

BIT RECORD												Dull Bit Condition							
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L	B	G	O	R
1	26"	VAREL	L111	1 1 1	454275	67	108	41	8.5	4.82	3x24,1x16	3	3	NO	A	3	I	NO	TD
	36"	Grant	H/opener			67	106.5	39.5	8.5	4.65	4 x 20								
1RR	26"	VAREL	L111	1 1 1	454275	Ream					3x24,1x16	3	3	NO	A	3	I	NO	TD

Run #	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks
	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
1	3	5	70	90	4921	1300	4482	650	6 1/2	6 1/2	100	100	
2	0	3	0	40	4921	1300	3448	500	6 1/2	6 1/2	100	100	
Run	Drag (tonnes)		Torque (amps)		Hydraulics								AV m/min
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{bit}	P _{bit}	DC x OH	DP x OH	
2				150									

BOP Test:		DRILLS				GEOLOGY					
Function:		F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	7/08/94	16/08/94	17/08/94					-	-	-	-

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1080	0	0	1080	VDL:1742 tonne
Bentonite (sacks)	1470	0	330	1800	
Cement (sacks)	550	0	1956	2506	
Pot water (tonne)	133	20	186	339	
Drill water (tonne)	322	100	30	452	
Fuel (litres)	150,000	86,500	174,100	410600	
Helifuel (litres)				0	
Fuel last 24 hrs (litres)	10,000	0	1,100	11,100	Daily fuel cost: \$6,616

DAILY MUD COST:	\$9,365	CUM MUD COST:	\$21,408
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PERSONEL ON RIG:				
R & B	43	T O C	2	SERVICE 11
OTHER		TOTAL	56	

HELICOPTER FLIGHTS TO RIG :	0	PAX ON:	0	PAX OFF:	0
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Freight:	
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OIM:-	J. LaFleur	GEOLOGIST:-		DRLG ENG:-	G.Rowlands	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5			Bit Run	3	Bit Run		Depth:		
acking		1.5	Mud type	Pro-hyd gel	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA	3.0	9.5	Mud wt. SG	1.03	26" Bit	0.62				<-20->	
Drilling	3.0	11.5	Funnel Vis	120	Bit sub	0.92				<-30->	
teaming		1.5	PV/YP		9 1/2" pony dc	3.08				<-40->	
irc. & cond.		2.5	Gels		26" Stab	2.30					
Trips	3.5	9.5	API W/L		9 1/2" dc	9.14					
Survey		0.5	Cake (mm)		26" Stab	1.71					
Electric logging			Sulfite (mg/l)		3X 9 1/2" dc	26.78					
asing		13.5	Pf/Mf		X/O	1.28					
Cement	0.5	3.5	KCl %		5 x 8 1/4" dc	47.15					
N/U test BOP	14.0	15.5	Cl (ppm)		Jars	9.45					
Rig main/repair			K (ppm)		X/O	0.85					
oring			Tot. hardness mg/l		HWDP	18.38					
Weather			pH								
DST			Solids %								
& A			Water %								
ishing			Sand %								
Other		17.0	MBT(ppb)								
Total	24.0	111.5	PHPA (ppb)								
					TOTAL	121.66	TOTAL	0.00			
					JAR	Hou.Eng	JAR				
					SER No.	DAH1273	SER No				
					HOURS	3.5	HOURS				

BIT RECORD												Dull Bit Condition			
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L
2	26"	VAREL	L111	111	454274	108m	Inc	14	3	4.67	3x20,1x16	B	G	O	R

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
3	0	5	-	50	3407	900	7240	1050	6 1/2	6 1/2	90	90	

Run	Drag (tonnes)		Torque (amps)		Hydraulics				AV m/min		Remarks	
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{max}	P _{max}	DC x OH	DP x OH
3				150					49	516	12	-

BOP Test:		DRILLS				GEOLOGY					
Function:		F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	7/08/94	16/08/94	17/08/94			Claystone/siltstone		Nil	Nil	Nil	Nil

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1080	0	0	1080	VDL:1653 tonne
Bentonite (sacks)	1360	0	330	1690	
Cement (sacks)	550	0	1956	2506	
Hot water (tonne)	113	20	182	315	
Drill water (tonne)	241	100	30	371	
Fuel (litres)	136,000	227,500	173,500	537000	
Helifuel (litres)				0	
Fuel last 24 hrs (litres)	14000	9000	600	23600	Daily fuel cost: \$14,066

DAILY MUD COST:	\$2,896	CUM MUD COST:	\$24,304
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PERSONEL ON RIG:				
R & B	46	T O C	3	SERVICE
				8
				OTHER
				1
				TOTAL
				58

HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	12	PAX OFF:	10
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Freight:	
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DIM:-	W.Parsell	GEOLOGIST:-	M.Adamson	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5			Bit Run	3	Bit Run		Depth:		
Drilling		1.5	Mud type	Hi-vis	Descr.	Length	Desc.	Length	#1	SPR	#2
U/L/D BHA	0.5	10.0	Mud wt. SG	1.03	26" Bit	0.62				<-20->	
Drilling	18.5	30.0	Funnel Vis	120	Bit sub	0.92				<-30->	
Seaming		1.5	PV/YP		91/2" pony dc	3.08				<-40->	
irc. & cond.	3.5	6.0	Gels		26" Stab	2.30					
rips	1.5	11.0	API W/L		9 1/2" dc	9.14					
Survey		0.5	Cake (mm)		26" Stab	1.71					
Electric logging			Sulfite (mg/l)		3X 9 1/2" dc	26.78					
asing		13.5	Pf/Mf		X/O	1.28					
ement		3.5	KCl %		5 x 8 1/4" dc	47.15					
N/U test BOP		15.5	Cl (ppm)		Jars	9.79					
Rig main/repair			K (ppm)		8 1/4" dc	9.45					
oring			Tot. hardness mg/l		X/O	0.85					
/eather			pH		15x HWDP	141.82					
DST			Solids %								
P & A			Water %		TOTAL	254.89	TOTAL	0.00			
ishing			Sand %		JAR	Hou.Eng	JAR				
ther		17.0	MBT(ppb)		SER No.	DAH1273	SER No.				
Total	24.0	135.5	PHPA (ppb)		HOURS	22.0	HOURS				

BIT RECORD

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	Dull Bit Condition			
2	26"	VAREL	L111	111	454274	108m	330m	222	21.5	10.33	3x20,1x16	I	O	D	L B G O R
												2	2	NO	- 2 1 NO TD

WOB(tonnes)		RPM		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
3	5	15	60	90	3407	900	9308	1350	6 1/2	6 1/2	90	90	
Run	Drag (tonnes)			Torque (amps)		Hydraulics				AV m/min			
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{HL}	P _{HL}	DC x OH	DP x OH	
3				450	250	271.5		0.51	37	516	12	-	

ROP Test:	DRILLS				GEOLOGY					
Function:	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	7/08/94	16/08/94	17/08/94	19/08/94	Siltstone		0.10%	Nil	0.02%	0.10%

Last LTA:	27/03/94	Last incident:	16/06/94
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VORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	En- route to rig	12:00hrs	August 20th.1994.
LADY PENELOPE	Standby at rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1080	1145	0	2225	VDL:1717 tonne
Bentonite (sacks)	950	545	330	1825	
Cement (sacks)	2400	1874	0	4274	
ot water (tonne)	96	235	32	363	
Drill water (tonne)	213	350	0	563	
Fuel (litres)	129,000	227,300	173,000	529300	
Helifuel (litres)				0	
uel last 24 hrs (litres)	7000	200	500	7700	Daily fuel cost: \$4,589

DAILY MUD COST:	\$10,909	CUM MUD COST:	\$35,213
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PERSONEL ON RIG:					
& B	46	T O C	3	SERVICE	8
				OTHER	1
				TOTAL	58

HELICOPTER FLIGHTS TO RIG:	PAX ON:	PAX OFF:
Freight:		

JIM:-	W.Parsell	GEOLOGIST:-	M.Adamson	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	330m	Report Number:	7
Permit No:	EP-32	Last Csg:	20"	Report Date:	20/08/94
Log Name:	Ron Tappmeyer	Shoe Depth:	273.3m	Days on Location:	6
		FLOT:		Days Since Spud:	5
				Progress Last 24hrs:	0m

RIG POSITION:	Latitude: 14deg 34mins.24.204sec.S (AGD 66/67)			Longitude: 129deg.25mins.17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23m (13mLAT)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	20/08/94
0:00	1:30	1.50	POOH. Pulled diverter bag. Laid out 26" bit. SLM - no correction.		
1:30	3:30	2.00	Rigged up to run 20" casing. Made up MLS hanger and running tool and laid down.		
3:30	8:30	5.00	Ran 20" casing. Encountered tight hole at 263m.		
8:30	12:00	3.50	Made up circulating head. Circulated with full returns and worked pipe down to 273.3m. Pipe stuck. Attempted to work pipe free. Maximum overpull 100 tonne.		
12:00	13:00	1.00	Set slips & dogcollar. Cut csg. Laid out and rigged down csg equipment.		
13:00	14:30	1.50	Rigged up and ran cement stinger		
14:30	15:00	0.50	Rigged up surface lines, tested stinger - seal leaking.		
15:00	16:00	1.00	POH with stinger. Inspected /checked seal okay.		
16:00	17:00	1.00	Ran stinger on HWIP drillpipe		
17:00	19:00	2.00	Rigged up surface lines & filled annulus. Stinger still leaked. POH with stinger		
19:00	21:30	2.50	Welded 20" circulating swedge on to casing and allowed to cool.		
21:30	22:30	1.00	Tested surf. lines to 1000 psi. Cemented casing with 626 sks class G at 1.5 sg followed with 275 sks tail at 1.9 sg.		
22:30	0:00	1.50	Displaced cement with 50 bbl Hi Vis mud and 258 bbl seawater. Checked for backflow -Ok. Full returns		
TOTAL		24.00			

Operations Summary 0000-0600 hrs:			Date: 21/08/94		
0:00	6:00	6.00	Waited on cement. Prepared to lift Diverter		

Program next 24 hrs:	Install wellhead and re-install diverter. Lay out 36" BHA. Make up 26" BHA. Drill 17 1/2" hole.
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SURVEYS											
Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type
327m	2 deg.										Totco

FE No.	KFD	Daily Cost:	\$223,612	Drilling Superintendent:	Approved:	F.D.Barker
		Cumulative Cost:	\$1,111,418			

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
g move		25.5			Bit Run		Bit Run		Depth:		
cking		1.5	Mud type	Hi-vis	Descr.	Length	Desc.	Length	#1	S P R	#2
r/U-L/D BHA		10.0	Mud wt. SG	1.03						<-20->	
Drilling		30.0	Funnel Vis	120						<-30->	
aming		1.5	PV/YP							<-40->	
rc. & cond.		6.0	Gels								
ips	1.5	12.5	API W/L								
Survey		0.5	Cake (mm)								
Electric logging			Sulfite (mg/l)								
using	11.5	25.0	P/Mf								
ament	11.0	14.5	KCl %								
N/U test BOP		15.5	Cl (ppm)								
Rig main/repair			K (ppm)								
oring			Tot. hardness mg/l								
weather			pH								
DST			Solids %								
P & A			Water %								
shing			Sand %								
ther		17.0	MBT(ppb)								
Total	24.0	159.5	PHPA (ppb)								

BIT RECORD												Dull Bit Condition							
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L	B	G	O	R

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
									6 1/2	6 1/2	90	90		
Run	Drag (tonnes)			Torque (amps)			Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm		IHP	Impact Force	HSI	%P _{bit}	P _{bit}	DC x OH	DP x OH	
													-	

OP Test:	DRILLS				GEOLOGY					
ection:	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	7/08/94	16/08/94	17/08/94	19/08/94						

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	Standby at rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
arite (sacks)	1080	1145	0	2225	VDL:1717 tonne
Bentonite (sacks)	830	545	0	1375	
ment (sacks)	1435	1874	0	3309	
t water (tonne)	76	230	28	334	
ill water (tonne)	111	350	0	461	
Fuel (litres)	125,000	218,800	172,400	516200	
Helifuel (litres)				0	
el last 24 hrs (litres)	4000	8500	600	13100	Daily fuel cost: \$7,808

DAILY MUD COST:	\$3,712	CUM MUD COST:	\$38,925
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PERSONEL ON RIG:					
& B	46	T O C	3	SERVICE	8
				OTHER	1
				TOTAL	58

HELICOPTER FLIGHTS TO RIG :	PAX ON:	PAX OFF:
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Freight:

IM:-	W.Parsell	GEOLOGIST:-	M.Adamson	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Log move		25.5	Mud type Mud wt. SG Funnel Vis PV/YP Gels API W/L Cake (mm) Sulfite (mg/l) P/Mf KCl % Cl (ppm) K (ppm) Tot. hardness mg/l pH Solids % Water % Sand % MBT(ppb) PHPA (ppb)		Bit Run		Bit Run		Depth:		
Back		1.5		Gel/polymer	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		10.0		1.03						<-20->	
Drilling		30.0		50						<-30->	
Leaming		1.5		10/25						<-40->	
irc. & cond.		6.0		4/17							
Trips	2.0	14.5		10.0							
Survey		0.5		1.0							
lectric logging											
asing		25.0		0.15/0.5							
Cement	6.0	20.5		-							
N/U test BOP	16.0	31.5		11000							
ig main/repair				-							
oring				420							
weather				9.0							
DST				2.0							
n & A				98.0	TOTAL	0.00	TOTAL	0.00			
ishing				-	JAR		JAR				
ther				12.0	SER No.		SER No.				
Total	24.0	183.5		-	HOURS		HOURS				

BIT RECORD												Dull Bit Condition			
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L
3	17 1/2"	HTC	MAX-05	4 1 5	U97BK	330m									

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
									6 1/2	6 1/2			

Run		Drag (tonnes)		Torque (amps)		Hydraulics				AV m/min		
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{max}	P _{max}	DC x OH	DP x OH

ROP Test:	DRILLS				GEOLOGY					
Function:	F/Abn	MOB	Plt	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	21/08/94	21/08/94	17/08/94		19/08/94					

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1080	1145	0	2225	VDL:1793 tonne
Bentonite (sacks)	1235	0	330	1565	
ement (sacks)	1435	1874	0	3309	
ot water (tonne)	59	224	24	307	
Drill water (tonne)	307	175	0	482	
Fuel (litres)	196,000	213,300	93,800	503100	
eliefuel (litres)				0	
uel last 24 hrs (litres)	7000	5500	600	13100	Daily fuel cost: \$7,808

DAILY MUD COST:	\$5,854	CUM MUD COST:	\$44,779
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PERSONEL ON RIG:			
A & B	46	T O C	3
SERVICE	12	OTHER	1
TOTAL	61		

HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	3	PAX OFF:	nil
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Freight:	
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JIM:-	W.Parsell	GEOLOGIST:-	M.Adamson	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	H.Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
g move		25.5		14:20	23:00	Bit Run		Bit Run		Depth:		
cking		1.5	Mud type	Gel/polymer		Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA	4.0	14.0	Mud wt. SG	1.05	1.08	17 1/2" Bit	0.42				<-20->	
Drilling	15.0	45.0	Funnel Vis	47	57	Bit sub	0.92				<-30->	
aming	1.0	2.5	PV/YP	16/15	17/23	9 1/2" NMDC	9.19				<-40->	
irc. & cond.	1.0	7.0	Gels	3/8	9/25	1 x 9 1/2" dc	9.14					
Trips	1.5	16.0	API W/L	8.8	8.2	17 1/2" Stab	2.19					
Survey	0.5	1.0	Cake (mm)	1.0	1.0	1 x 9 1/2" dc	9.15					
ectric logging			Sulfite (mg/l)	40.0	60.0	17 1/2" Stab	2.15					
asing		25.0	Pf/Mf	0.25/0.5	0.22/0.45	3 x 9 1/2" dc	26.85					
cement (drill out)	1.0	21.5	KCl %	-		X/O	1.28					
N/U test BOP		31.5	Cl (ppm)	15000	12000	9 x 8" dc	84.80					
ig main/repair			K (ppm)	-		Jars	9.79					
oring			Tot. hardness mg/l	520	480	2 x 8" dc	18.82					
/eather			pH	10.5	10.0	X/O	0.85					
DST			Solids %	3.0	4.8	15 x HWDP	141.82					
D & A			Water %	97.0	95.2	TOTAL	317.37	TOTAL	0.00			
ishing			Sand %	0.50	0.60	JAR	Hou.Eng	JAR				
ther		17.0	MBT(ppb)	10.0	17.5	SER No.	DAH1273	SER No				
Total	24.0	207.5	PHPA (ppb)	-		HOURS	37.0	HOURS				

BIT RECORD

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	Dull Bit Condition	
3	17 1/2"	HTC	MAX-05	4 1 5	U97BK	330m	538	208	15	13.90	3x20,1x16	I O D L B G O R	

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
4	5	10	60	100	3368	890	12066	1750	6 1/2	6 1/2	90	90	

Run	Drag (tonnes)			Torque (amps)			Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm		HHP	Impact Force	HSI	%P _{in}	P _{in}	DC x OH	DP x OH	
4	2	1		300	150		296.9		1.24	33	570	31	-	

OP Test:		DRILLS				GEOLOGY				
unction:		F/Abn	MOB	Pit	Trip	Lithology	T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	21/08/94	21/08/94	17/08/94	22/08/94	22/08/94	Sandstone	-	-	0.02%	0.09%

Last LTA:	27/03/94	Last incident:	16/06/94
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VORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	En-route Darwin	3:00	23rd August,1994

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Jarite (sacks)	1080	1145	0	2225	VDL: 1846 tonne
Bentonite (sacks)	970	0	330	1300	
Cement (sacks)	2104	937	0	3041	
ot water (tonne)	178	85	22	285	
Drill water (tonne)	196	105	0	301	
Fuel (litres)	188,000	211,300	99,300 *	498600	* Corrected inventory
Helifuel (litres)				0	
uel last 24 hrs (litres)	8000	2000	200	10200	Daily fuel cost: \$6,079

DAILY MUD COST:	\$19,519	CUM MUD COST:	\$64,298
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PERSONEL ON RIG:					
S & B	44	T O C	3	SERVICE	11
				OTHER	0
				TOTAL	58

HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	11	PAX OFF:	14
Freight:					

JIM:-	W.Parsell	GEOLOGIST:-	M.Adamson	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
rig move		25.5		10:30	23:00	Bit Run		Bit Run		Depth:		
acking		1.5	Mud type	Gel/polymer		Descr.	Length	Desc.	Length	#1	S P R	#2
r/U-L/D BHA		14.0	Mud wt. SG	1.10	1.09	17 1/2" Bit	0.42				<-20->	
Drilling	21.5	66.5	Funnel Vis	49	51	Bit sub	0.92				<-30->	
reaming		2.5	PV/YP	16/20	14/20	9 1/2" NMDC	9.19				<-40->	
irc. & cond.	0.5	7.5	Gels	7/27	9/33	1 x 9 1/2" dc	9.14					
rips	1.0	17.0	API W/L	7.0	7.8	17 1/2' Stab	2.19					
Survey	0.5	1.5	Cake (mm)	1.0	1.0	1 x 9 1/2" dc	9.15					
Electric logging			Sulfite (mg/l)	60.0	60.0	17 1/2" Stab	2.15					
asing		25.0	Pf/Mf	0.14/0.35	0.12/0.4	3 x 9 1/2" dc	26.85					
ement (drill out)		21.5	KCl %	-		X/O	1.28					
N/U test BOP		31.5	Cl (ppm)	11000	10500	9 x 8" dc	84.80					
Big main/repair	0.5	0.5	K (ppm)	-		Jars	9.79					
oring			Tot. hardness mg/l	520	500	2 x 8" dc	18.82					
Weather			pH	9.2	9.0	X/O	0.85					
DST			Solids %	6.0	5.5	15 x HWDP	141.82					
P & A			Water %	94.0	94.5	TOTAL	317.37	TOTAL	0.00			
ishing			Sand %	0.75	0.20	JAR	Hou.Eng	JAR				
ther		17.0	MBT(ppb)	14.0	16.0	SER No.	DAH1273	SER No				
Total	24.0	231.5	PHPA (ppb)	-		HOURS	58.5	HOURS				

BIT RECORD

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	Dull Bit Condition									
3	17 1/2"	HTC	MAX-05	4 1 5	U97BK	330m	769	439	36.5	12.03	3x20,1x16	In hole									

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Mfn	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
4	5	20	60	100	3407	900	12756	1850	6 1/2	6 1/2	90	90	

Run		Drag (tonnes)		Torque (amps)		Hydraulics					AV m/min	
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{max}	P _{max}	DC x OH	DP x OH
4	3	1		450	75	305.2	1130	1.24	31	586	31	24

ROP Test:		DRILLS				GEOLOGY					
unction:		F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	21/08/94	21/08/94	17/08/94	22/08/94	22/08/94	Sandstone/siltstone/claystone		0.03%	-	0.04%	0.10%

Last LTA:	27/03/94	Last incident:	16/06/94
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VORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	Darwin		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
arite (sacks)	1080	1145	0	2225	VDL:1813 tonne
Bentonite (sacks)	820	0	330	1150	
ement (sacks)	2104	937	0	3041	
ot water (tonne)	161	80	22	263	
Drill water (tonne)	87	105	0	192	
Fuel (litres)	176,000	210,800	93,000	479800	
Helifuel (litres)				0	
uel last 24 hrs (litres)	12000	500	6300	18800	Daily fuel cost: \$11,205

DAILY MUD COST:	\$6,765	CUM MUD COST:	\$71,063
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PERSONEL ON RIG:			
& B	44	T O C	3
SERVICE	11	OTHER	0
TOTAL	58		

HELICOPTER FLIGHTS TO RIG :	0	PAX ON:	0	PAX OFF:	0
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Freight:	
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JIM:-	W.Parsell	GEOLOGIST:-	M.Adamson	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		10:30	23:00	Bit Run		Bit Run		Depth:		
Backho		1.5	Mud type	Gel/polymer		Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		14.0	Mud wt. SG	1.09	1.09	17 1/2" Bit	0.42				<-20->	
Drilling	21.5	88.0	Funnel Vis	60	66	Bit sub	0.92				<-30->	
Leaming		2.5	PV/YP	14/23	14/24	9 1/2" NMDC	9.19				<-40->	
irc. & cond.	0.5	8.0	Gels	14/27	12/24	1 x 9 1/2" dc	9.14					
rips	1.0	18.0	API W/L	7.2	6.8	17 1/2" Stab	2.19					
Survey	0.5	2.0	Cake (mm)	1.0	1.0	1 x 9 1/2" dc	9.15					
Electric logging			Sulfite (mg/l)	80.0	80.0	17 1/2" Stab	2.15					
asing		25.0	Pf/Mf	0.1/0.45	0.1/0.45	3 x 9 1/2" dc	26.85					
Cement		21.5	KCl %	-		X/O	1.28					
N/U test BOP		31.5	Cl (ppm)	11500	12000	9 x 8" dc	84.80					
Rig main/repair	0.5	1.0	K (ppm)	-		Jars	9.79					
oring			Tot. hardness mg/l	600	540	2 x 8" dc	18.82					
Weather			pH	8.7	8.7	X/O	0.85					
DST			Solids %	5.5	5.5	15 x HWDP	141.82					
D & A			Water %	94.5	94.5	TOTAL	317.37	TOTAL	0.00			
ishing			Sand %	0.40	0.30	JAR	Hou.Eng	JAR				
ther		17.0	MBT(ppb)	17.0	16.0	SER No.	DAH1273	SER No				
Total	24.0	255.5	PHPA (ppb)	-		HOURS	80.0	HOURS				

BIT RECORD

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
3	17 1/2"	HTC	MAX-05	415	U97BK	330m	944	614	58	10.59	3x20,1x16	In hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
4	5	20	60	100	3747	990	15514	2250	6 1/2	6 1/2	100	100		

Run	Drag (tonnes)			Torque (amps)			Hydraulics				AV m/min			
No	Up	Down	Rot	Max	Off Btm		HHP	Impact Force	HSI	%P _{bit}	P _{bit}	DC x OH		DP x OH
4	3	2		550	125		414.8	1402	1.72	31	717	34	26	

ROP Test:		DRILLS				GEOLOGY					
Function:		F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	21/08/94	21/08/94	17/08/94	24/08/94	24/08/94	Sandstone/siltstone/claystone		0.08%	nil	0.04%	0.12%

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	En-route to rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1080	1145	1113	3338	VDL:1851 tonne
Bentonite (sacks)	720	0	995	1715	
Cement (sacks)	2104	937	0	3041	
Hot water (tonne)	144	74	234	452	
Drill water (tonne)	162	0	350	512	
Fuel (litres)	160,000	207,400	191,400	558800	
Helifuel (litres)				0	
Fuel last 24 hrs (litres)	16000	3400	0	19400	Daily fuel cost: \$11,562

DAILY MUD COST:	\$6,611	CUM MUD COST:	\$77,674
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PERSONEL ON RIG:			
W & B	46	T O C	3
SERVICE	12	OTHER	0
TOTAL	61		

HELICOPTER FLIGHTS TO RIG:	1	PAX ON:	7	PAX OFF:	4
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Freight:	
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JIM:-	W.Parsell	GEOLOGIST:-	M.Adamson	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	H.Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	1017m	Report Number:	12
Permit No:	EP-32	Last Csg:	20"	Report Date:	25/08/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	273.3m	Days on Location:	11
		FLOT:		Days Since Spud:	10
				Progress Last 24hrs:	73m

RIG POSITION:	Latitude: 14deg 34mins.24.204sec.S (AGD 66/67)			Longitude: 129deg.25mins.17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23m (13mLAT)	Rig Heading:	007.3 deg.
Vater Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	25/08/94
0:00	9:30	9.50	Drilled 17 1/2" hole from 944m to 986m.		
9:30	10:00	0.50	Serviced top drive.		
10:00	13:00	3.00	Drilled 17 1/2" hole from 986m to 1010m.		
13:00	14:30	1.50	Pumped hi-vis pill and circulated hole clean.		
14:30	15:30	1.00	POOH to 521m. Max overpull 27 tonne.		
15:30	16:30	1.00	Hole tight. Back-reamed and pumped out of hole to 330m.		
16:30	17:00	0.50	Pumped 50 bbl hi-vis pill to clean 26" rat hole.		
17:00	19:00	2.00	POOH. Top stabiliser in gauge, bottom 1/16" under-gauge.		
19:00	20:30	1.50	Made up new bit and RIH.		
20:30	22:00	1.50	Picked up 36 joints drill pipe and RIH to 996m (14m fill).		
22:00	0:00	2.00	Washed to bottom and drilled 17 1/2" hole from 1010m to 1017m.		
TOTAL		24.00			

Operations Summary 0000-0600 hrs:

Date: 26/08/94

0:00	6:00	6.00	Drilled 17 1/2" hole from 1017m to 1044m

Program next 24 hrs: Drill 17 1/2" hole.

SURVEYS

Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type

AFE No.	Daily Cost:	\$174,402	Drilling Superintendent:	Approved:	F.D.Barker
	Cumulative Cost:	\$1,866,960			

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
ig move		25.5		10:30	23:00	Bit Run	4	Bit Run	Depth:		
cking		1.5	Mud type			Gel/polymer	Descr.	Length	Desc.	Length	
P/U-L/D BHA	1.0	15.0	Mud wt. SG	1.10	1.10	17 1/2" Bit		0.45			
Drilling	14.5	102.5	Funnel Vis	63	66	Bit sub		0.92			
aming		2.5	PV/YP	13/26	13/28	9 1/2" NMDC		9.19			
rc. & cond.	2.0	10.0	Gels	15/29	18/26	1 x 9 1/2" dc		9.14			
rips	6.0	24.0	API W/L	7.0	6.8	17 1/2" Stab		2.19			
Survey		2.0	Cake (mm)	1.0	1.0	1 x 9 1/2" dc		9.15			
ectric logging			Sulfite (mg/l)	60.0	60.0	17 1/2" Stab		2.15			
using		25.0	Pf/Mf	0.1/0.48	0.1/0.5	3 x 9 1/2" dc		26.85			
ment		21.5	KCl %	-	-	X/O		1.28			
N/U test BOP		31.5	Cl (ppm)	12000	12000	9 x 8" dc		84.80			
ig main/repair	0.5	1.5	K (ppm)	-	-	Jars		9.79			
ring			Tot. hardness mg/l	640	600	2 x 8" dc		18.82			
ather			pH	8.6	8.5	X/O		0.85			
DST			Solids %	6.0	6.0	15 x HWDP		141.82			
P & A			Water %	94.0	94.0	TOTAL		317.40	TOTAL	0.00	
shing			Sand %	0.10	0.10	JAR	Hou.Eng	JAR			
ther		17.0	MBT(ppb)	19.0	20.0	SER No.	DAH1273	SER No.			
Total	24.0	279.5	PHPA (ppb)	-	-	HOURS	94.5	HOURS			

BIT RECORD												Dull Bit Condition			
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L
3	17 1/2"	HTC	MAX-05	4 1 5	U97BK	330m	1010	680	70.5	9.65	3x20,1x16	3	3	ER	A
4	17 1/2"	SMITH	M02SOD	4 1 5	KX9161	1010	1017	7	2	3.50	3x20,1x16	3	3	ER	A

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
4	5	20	60	100	3747	990	16376	2375	6 1/2	6 1/2	100	100	
Run		Drag (tonnes)		Torque (amps)		Hydraulics				AV m/min			
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	% P _{sk}	P _{sk}	DC x OH	DP x OH	
4	3	2		500	125	414.8	1402	1.72	30	723	34	26	

OP Test:	DRILLS					GEOLOGY				
ection:	F/Abn	MOB	Pit	Trip		Lithology	T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	21/08/94	21/08/94	17/08/94	25/08/94	25/08/94	Sandstone/siltstone/claystone	0.10%	nil	0.04%	0.15%

ast LTA:	27/03/94	Last incident:	16/06/94
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ORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	En-route to Darwin	7:00	26/8/94
LADY PENELOPE	Standby at rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
arite (sacks)	1080	1145	1113	3338	VDL:1931 tonne
Bentonite (sacks)	720	0	995	1715	
ment (sacks)	2104	937	0	3041	
t water (tonne)	122	70	229	421	
ill water (tonne)	306	0	150	456	
Fuel (litres)	145,000	201,100	185,600	531700	
uelifuel (litres)				0	
el last 24 hrs (litres)	15000	6300	5800	27100	Daily fuel cost: \$16,152

DAILY MUD COST:	\$3,751	CUM MUD COST:	\$81,425
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PERSONEL ON RIG:			
& B	45	T O C	3
SERVICE	12	OTHER	0
TOTAL	60		

HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	11	PAX OFF:	12
Freight:					

IM:-	W.Parsell	GEOLOGIST:-	M.Adamson	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	H.Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		13:00	23:00	Bit Run	5	Bit Run		Depth:		
Drilling		1.5	Mud type	Gel/poly	Gel/Poly	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		15.0	Mud wt. SG	1.10	1.12	17 1/2" Bit	0.45				<-20->	
Drilling	23.5	126.0	Funnel Vis	64	66	Bit sub	0.92				<-30->	
Teaming		2.5	PV/YP	13/26	13/28	9 1/2" NMDC	9.19				<-40->	
Circ. & cond.		10.0	Gels	16/28	22/28	1 x 9 1/2" dc	9.14					
Rips		24.0	API W/L	6.8	7.6	17 1/2" Stab	2.19					
Survey		2.0	Cake (mm)	1.0	1.0	1 x 9 1/2" dc	9.15					
Electric logging			Sulfite (mg/l)	60.0	60.0	17 1/2" Stab	2.15					
Casing		25.0	Pf/Mf	0.1/0.5	0.1/0.5	3 x 9 1/2" dc	26.85					
Cement		21.5	KCl %	-	-	X/O	1.28					
N/U test BOP		31.5	Cl (ppm)	12000	15000	9 x 8" dc	84.80					
Rig main/repair	0.5	2.0	K (ppm)	-	-	Jars	9.79					
Logging			Tot. hardness mg/l	640	800	2 x 8" dc	18.82					
Weather			pH	8.6	8.5	X/O	0.85					
DST			Solids %	6.0	6.5	15 x HWDP	141.82					
P & A			Water %	94.0	93.5	TOTAL	317.40	TOTAL	0.00			
Fishing			Sand %	0.10	0.05	JAR	Hou.Eng	JAR				
Other		17.0	MBT(ppb)	20.0	20.0	SER No.	DAH1273	SER No				
Total	24.0	303.5	PHPA (ppb)	-	-	HOURS	118.0	HOURS				

BIT RECORD												Dull Bit Condition	
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R	
4	17 1/2"	SMITH	M02SOD	4 1 5	KX9161	1010	1133	123	25.5	4.82	20,20,20,16	In hole	

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
5	5	20	80	100	3746	990	16720	2425	6 1/2	6 1/2	99	99	
Run		Drag (tonnes)		Torque (amps)		Hydraulics				AV m/min			
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{wh}	P _{wh}	DC x OH	DP x OH	
5	101	96	98	550	125	414.8	1462	1.72	27	723	34	26	

ROP Test:		DRILLS				GEOLOGY				
Function:		F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas
Rig Inspect:	21/08/94	21/08/94	17/08/94	26/08/94	25/08/94	Sandstone/siltstone/claystone		0.10%	nil	0.09%

Last LTA:	27/03/94	Last incident:	16/06/94
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VORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1080	1145	1113	3338	VDL:1860 tonne
Bentonite (sacks)	630	0	995	1625	
Cement (sacks)	2104	937	0	3041	
Hot water (tonne)	105	70	225	400	
Drill water (tonne)	228	0	150	378	
Fuel (litres)	134,000	200,100	185,100	519200	
Helifuel (litres)				0	
Fuel last 24 hrs (litres)	11000	1000	500	12500	Daily fuel cost: \$7,450

DAILY MUD COST:	\$2,683	CUM MUD COST:	\$84,108
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PERSONEL ON RIG:			
& B	44	T O C	4
SERVICE	13	OTHER	0
TOTAL	61		

HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	6	PAX OFF:	5
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Freight:	
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JIM:-	W.Parsell	GEOLOGIST:-	M.Adamson	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		11:00	22:30	Bit Run	5	Bit Run	6	Depth:		
Lifting		1.5	Mud type	Gel/poly	Gel/Poly	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		15.0	Mud wt. SG	1.11	1.10	17 1/2" Bit	0.45	17 1/2" Bit	0.45		<-20->	
Drilling	20.5	146.5	Funnel Vis	62	60	Bit sub	0.92	Bit sub	0.92		<-30->	
Reaming		2.5	PV/YP	13/25	11/26	9 1/2" NMDC	9.19	9 1/2" NMDC	9.19		<-40->	
Circ. & cond.	2.0	12.0	Gels	18/28	18/28	1 x 9 1/2" dc	9.14	1 x 9 1/2" dc	9.14			
Frips	0.5	24.5	API W/L	7.2	7.8	17 1/2" Stab	2.19	17 1/2" Stab	2.19			
Survey	0.5	2.5	Cake (mm)	1.0	1.0	1 x 9 1/2" dc	9.15	1 x 9 1/2" dc	9.15			
Electric logging			Sulfite (mg/l)	60.0	60.0	17 1/2" Stab	2.15	17 1/2" Stab	2.15			
Casing		25.0	PI/Mf	0.1/0.5	0.1/0.5	3 x 9 1/2" dc	26.85	3 x 9 1/2" dc	26.85			
Cement		21.5	KCl %	-	-	X/O	1.28	X/O	1.28			
N/U test BOP		31.5	Cl (ppm)	15000	16000	9 x 8" dc	84.80	9 x 8" dc	84.80			
Rig main/repair	0.5	2.5	K (ppm)	-	-	Jars	9.79	Jars	9.79			
Coring			Tot. hardness mg/l	800	760	2 x 8" dc	18.82	2 x 8" dc	18.82			
Weather			pH	8.5	8.5	X/O	0.85	X/O	0.85			
DST			Solids %	6.5	6.0	15 x HWDP	141.82	15 x HWDP	141.82			
P & A			Water %	93.5	94.0	TOTAL	317.40	TOTAL	317.40			
Fishing			Sand %	0.05	0.05	JAR	Hou.Eng	JAR				
Other		17.0	MBT(ppb)	20.0	25.0	SER No.	DAH1273	SER No				
Total	24.0	327.5	PHPA (ppb)	-	-	HOURS	138.5	HOURS				

BIT RECORD

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	Dull Bit Condition									
4	17 1/2"	SMITH	M02SOD	415	KX9161	1010	1195	185	46	4.02	20,20,20,16	I 1	O 1	D 1	L 1	B 1	G 1	O 1	R 1		
5	17 1/2"	SMITH	MISC-ER	435	NI38880	1195					20,20,20,16										

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
5	5	20	80	100	3746	990	16720	2425	6 1/2	6 1/2	99	99	

Run	Drag (tonnes)		Torque (amps)			Hydraulics				AV m/min				
No	Up	Down	Rot	Max		Off Btm	HHP	Impact Force	HSI	%P _{max}	P _{max}		DC x OH	DP x OH
5	103	97	100	400		110	414.8	1443	1.72	27	665		34	26

BOP Test:		DRILLS				GEOLOGY			
Function:		F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas
Rig Inspect:	21/08/94	21/08/94	17/08/94	27/08/94	25/08/94	Sandstone/siltstone/claystone		0.10%	nil

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1080	1145	1113	3338	VDL:1802 tonne
Bentonite (sacks)	630	0	995	1625	
Cement (sacks)	2104	937	0	3041	
Hot water (tonne)	93	70	221	384	
Drill water (tonne)	202	0	150	352	
Fuel (litres)	118,000	199,300	184,800	502100	
Helifuel (litres)				0	
Fuel last 24 hrs (litres)	16000	800	300	17100	Daily fuel cost: \$10,192

DAILY MUD COST:	\$4,523	CUM MUD COST:	\$88,631
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PERSONEL ON RIG:									
R & B	44	T O C	4	SERVICE	13	OTHER	0	TOTAL	61
HELICOPTER FLIGHTS TO RIG : 0 PAX ON: 0 PAX OFF: 0									
Freight:									
DIM:-	W.Parsell	GEOLOGIST:-	M.Adamson	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink		

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Log move		25.5		13:30	22:00	Bit Run	5	Bit Run	6	Depth:		
Drilling		1.5	Mud type	Gel/poly	Gel/Poly	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		15.0	Mud wt. SG	1.10	1.10	17 1/2" Bit	0.45	17 1/2" Bit	0.42		<-20->	
Drilling	15.0	161.5	Funnel Vis	60	62	Bit sub	0.92	Bit sub	0.92		<-30->	
Seaming	1.5	4.0	PV/YP	11/26	10/28	9 1/2" NMDC	9.19	9 1/2" NMDC	9.19		<-40->	
irc. & cond.		12.0	Gels	18/28	18/28	1 x 9 1/2" dc	9.14	1 x 9 1/2" dc	9.14			
rips	7.0	31.5	API W/L	7.4	7.0	17 1/2" Stab	2.19	17 1/2" Stab	2.19			
Survey		2.5	Cake (mm)	1.0	1.0	1 x 9 1/2" dc	9.15	1 x 9 1/2" dc	9.15			
Electric logging			Sulfite (mg/l)	60.0	60.0	17 1/2" Stab	2.15	17 1/2" Stab	2.15			
asing		25.0	Pf/Mf	0.1/0.5	0.1/0.5	3 x 9 1/2" dc	26.85	3 x 9 1/2" dc	26.85			
ement		21.5	KCl %	-	-	X/O	1.28	X/O	1.28			
N/U test BOP		31.5	Cl (ppm)	16000	16000	9 x 8" dc	84.80	9 x 8" dc	84.80			
Big main/repair	0.5	3.0	K (ppm)	-	-	Jars	9.79	Jars	9.79			
oring			Tot. hardness mg/l	800	800	2 x 8" dc	18.82	2 x 8" dc	18.82			
Weather			pH	8.5	8.5	X/O	0.85	X/O	0.85			
DST			Solids %	6.0	6.0	15 x HWDP	141.82	15 x HWDP	141.82			
P & A			Water %	94.0	94.0	TOTAL	317.40	TOTAL	317.37			
ishing			Sand %	0.05	0.25	JAR	Hou.Eng	JAR	Hou.Eng			
ther		17.0	MBT(ppb)	25.0	20.0	SER No.	DAH1273	SER No	DAH1273			
Total	24.0	351.5	PHPA (ppb)	-	-	HOURS	138.5	HOURS	153.5			

BIT RECORD												Dull Bit Condition			
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L
4	17 1/2"	SMITH	M02SOD	4 1 5	KX9161	1010	1195	185	46	4.02	20,20,20,16	1	1	SS	A
5	17 1/2"	SMITH	MISC-ER	435	NB8880	1195	1298	103	15	6.87	20,20,20,16	In hole			

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
6	5	20	80	125	3394	896	15148	2197	6 1/2	6 1/2	92	92	
Run		Drag (tonnes)		Torque (amps)		Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{wh}	P _{wh}	DC x OH	DP x OH	
6	104	98	101	500	125	274	1069	1.14	24.2	531	31	24	

ROP Test:	DRILLS					GEOLOGY				
Function:	F/Abn	MOB	Pit	Trip		Lithology		T/Gas	C/Gas	BG/Gas
Rig Inspect:	28/08/94	28/08/94	17/08/94	28/08/94	28/08/94	Sandstone		0.10%	nil	0.15%

Last LTA:	27/03/94	Last incident:	16/06/94
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VORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1080	1145	1113	3338	VDL:1780 tonne
Bentonite (sacks)	560	0	995	1555	
Cement (sacks)	2104	937	0	3041	
Hot water (tonne)	71	70	217	358	
Drill water (tonne)	112	0	150	262	
Fuel (litres)	107,000	198,300	184,400	489700	
Helifuel (litres)				0	
Fuel last 24 hrs (litres)	11000	1000	400	12400	Daily fuel cost: \$7,390

DAILY MUD COST:	\$7,935	CUM MUD COST:	\$96,567
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PERSONEL ON RIG:			
& B	44	T O C	4

SERVICE	13	OTHER	0	TOTAL	61
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HELICOPTER FLIGHTS TO RIG:	0	PAX ON:	0	PAX OFF:	0
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JIM:-	W.Parsell	GEOLOGIST:-	M.Adamson	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		11:00	23:00	Bit Run	6	Bit Run		Depth:		
Back		1.5	Mud type	Gel/poly	Gel/Poly	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		15.0	Mud wt. S(	1.10	1.10	17 1/2" Bit	0.42				<-20->	
Drilling	23.5	185.0	Funnel Vis	60	62	Bit sub	0.92				<-30->	
Teaming		4.0	PV/YP	10/27	11/25	9 1/2" NMDC	9.19				<-40->	
Circ. & cond.		12.0	Gels	18/27	18/26	1 x 9 1/2" dc	9.14					
Trips		31.5	API W/L	7.6	7.2	17 1/2" Stab	2.19					
Survey		2.5	Cake (mm)	1.0	1.0	1 x 9 1/2" dc	9.15					
Electric logging			Sulfite (mg/l)	60.0	60.0	17 1/2" Stab	2.15					
Casing		25.0	Pf/Mf	0.1/0.5	0.1/0.5	3 x 9 1/2" dc	26.85					
Cement		21.5	KCl %	-	-	X/O	1.28					
N/U test BOP		31.5	Cl (ppm)	16000	16000	9 x 8" dc	84.80					
Rig main/repair	0.5	3.5	K (ppm)	-	-	Jars	9.79					
Coring			Tot. hardness mg/l	800	800	2 x 8" dc	18.82					
Weather			pH	8.5	8.5	X/O	0.85					
DST			Solids %	6.0	6.0	15 x HWDP	141.82					
P & A			Water %	94.0	94.0	TOTAL	317.37	TOTAL	0.00			
Fishing			Sand %	0.10	0.05	JAR	Hou.Eng	JAR				
Other		17.0	MBT(ppb)	20.0	20.0	SER No.	DAH1273	SER No				
Total	24.0	375.5	PHPA (ppb)	-		HOURS	177.0	HOURS				

BIT RECORD											Dull Bit Condition	
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
5	17 1/2"	SMITH	MISC-ER	435	NB8880	1195	1336	141	38.5	3.66	20,20,20,16	In Hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
6	20	22	80	110	3394	896	15445	2240	6 1/2	6 1/2	92	92			
Run	Drag (tonnes)			Torque (amps)			Hydraulics						AV m/min		
No	Up	Down	Rot	Max	Off Btm		HHP	Impact Force	HSI	%P _{bit}	P _{bit}	DC x OH	DP x OH		
6	107	102	104	300	150		274	1069	1.14	24.2	531	31	24		

IOP Test:		DRILLS				GEOLOGY					
Function:		F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	29/08/94	28/08/94	17/08/94	29/08/94	28/08/94	Claystone		0.10%	nil	0.07%	0.23%
Last LTA:	27/03/94				Last incident:		16/06/94				

WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1080	1145	1113	3338	VDL:1923 tonne
Bentonite (sacks)	560	0	995	1555	
Cement (sacks)	2104	937	0	3041	
Pot water (tonne)	167	44	73	284	
Drill water (tonne)	231	0	0	231	
Fuel (litres)	164,000	197,600	110,900	472,500	
Helifuel (litres)				0	
Fuel last 24 hrs (litres)	15000	700	1500	17200	Daily fuel cost: \$10,251

DAILY MUD COST:	\$6,019	CUM MUD COST:	\$102,586
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PERSONEL ON RIG:									
R & B	44	TOC	4	SERVICE	13	OTHER	0	TOTAL	61
HELICOPTER FLIGHTS TO RIG :		1	PAX ON:		12	PAX OFF:		12	
Freight: 1 box to TOC Darwin (Geology)									
OIM:-		W.Parsell		GEOLOGIST:-		M.Adamson		DRLG ENG:- V. Tilley	
								DRLG SUPV:- H. Flink	

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly			Slow Pump Rates		
Rig move		25.5		12:00	22:00	Bit Run	6	Bit Run	Depth:		
Jacking		1.5	Mud type	Gel/poly	Gel/Poly	Descr.	Length	Desc.	#1	S P R	#2
P/U-L/D BHA		15.0	Mud wt. SG	1.10	1.10	17 1/2" Bit	0.42			<-20->	
Drilling	11.5	196.5	Funnel Vis	58	60	Bit sub	0.92			<-30->	
Reaming	2.5	6.5	PV/YP	10/24	10/25	9 1/2" NMDC	9.19			<-40->	
Circ. & cond.	5.0	17.0	Gels	16/25	17/26	1 x 9 1/2" dc	9.14				
Trips	5.0	36.5	API W/L	7.4	7.0	17 1/2" Stab	2.19				
Survey		2.5	Cake (mm)	1.0	1.0	1 x 9 1/2" dc	9.15				
Electric logging			Sulfite (mg/l)	50.0	50.0	17 1/2" Stab	2.15				
Casing		25.0	Pf/Mf	0.05/0.4	0.1/0.5	3 x 9 1/2" dc	26.85				
Cement		21.5	KCl %	-	-	X/O	1.28				
N/U test BOP		31.5	Cl (ppm)	16000	16000	9 x 8" dc	84.80				
Rig main/repair		3.5	K (ppm)	-	-	Jars	9.79				
Coring			Tot. hardness mg/l	800	800	2 x 8" dc	18.82				
Weather			pH	8.5	8.5	X/O	0.85				
DST			Solids %	6.0	6.0	15 x HWDP	141.82				
P & A			Water %	94.0	94.0	TOTAL	317.37	TOTAL	0.00		
Fishing			Sand %	0.05	0.05	JAR	Hou Eng	JAR	MWD		
Other		17.0	MBT(ppb)	20.0	20.0	SER No.	DAH1273	SER No	SER No		
Total	24.0	399.5	PHPA (ppb)	-	-	HOURS	191.0	HOURS	HOURS		

BIT RECORD												Dull Bit Condition							
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L	B	G	O	R
5	17 1/2"	SMITH	MISC-ER	435	NB8880	1195	1354	159	50	3.18	20,20,20,16	2	2	CT	O	F(3)	1	NO	LOG

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
6	20	22	80	110	3394	896	15445	2240	6 1/2	6 1/2	92	92		
Run	Drag (tonnes)		Torque (amps)			Hydraulics						AV m/min		
No	Up	Down	Rot	Max		Off Btm	HHP	Impact Force	HSI	%P _{sk}	P _{sk}	DC x OH	DP x OH	
6	108	102	105	200		110	274	1069	1.14	24.2	531	31	24	

BOP Test:		DRILLS				GEOLOGY				
Function:		F/Abn	MOB	Pit	Trip	Lithology	T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	29/08/94	28/08/94	28/08/94	30/08/94	28/08/94	Claystone	0.13%	nil	0.09%	0.23%

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1080	1145	1113	3338	VDL:1861 tonne
Bentonite (sacks)	480	0	995	1475	
Cement (sacks)	2104	937	0	3041	
Pot water (tonne)	155	70	69	294	
Drill water (tonne)	170	0	0	170	
Fuel (litres)	150,000	197,600	109,700	457300	
Helifuel (litres)				0	
Fuel last 24 hrs (litres)	14000	0	1200	15200	Daily fuel cost: \$9,059.20

DAILY MUD COST:	\$12,200.90	CUM MUD COST:	\$114,786.72
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PERSONEL ON RIG:									
R & B	44	TOC	4	SERVICE	13	OTHER	0	TOTAL	61

HELICOPTER FLIGHTS TO RIG :	PAX ON:	PAX OFF:
Freight:		

OIM:-	W.Parsell	GEOLOGIST:-	M.Adamson	DRILG ENG:-	V. Tilley	DRILG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
ig move		25.5		22:00	Bit Run	7	Bit Run		Depth:		
icking		1.5	Mud type		Gel/Poly	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		15.0	Mud wt. SG		1.10	17 1/2" Bit	0.42			<-20->	
Drilling		196.5	Funnel Vis		54	Bit sub	0.92			<-30->	
reaming	7.0	13.5	PV/YP		9/19	17 1/2" Stab	2.19			<-40->	
irc. & cond.		17.0	Gels		15/25	1 x 9 1/2" dc	9.14				
rips	8.0	44.5	API W/L		7.2	17 1/2" Stab	2.15				
Survey		2.5	Cake (mm)		1.0	2 x 9 1/2" dc	18.37				
Electric logging	9.0	9.0	Sulfite (mg/l)		40.0	17 1/2" Stab	2.17				
asing		25.0	PF/Mf		0.1/0.5	2 x 9 1/2" dc	17.63				
ement		21.5	KCl %		-	X/O	1.28				
N/U test BOP		31.5	Cl (ppm)		16000	9 x 8" dc	84.80				
Big main/repair		3.5	K (ppm)		-	Jars	9.79				
oring			Tot. hardness mg/l		800	2 x 8" dc	18.82				
weather			pH		8.5	X/O	0.85				
DST			Solids %		6.0	15 x HWDP	141.82				
P & A			Water %		94.0	TOTAL	310.35	TOTAL			
ishing			Sand %		0.05	JAR	Hou.Eng	JAR			
ther		17.0	MBT(ppb)		20.0	SER No.	DAH1273	SER No			
Total	24.0	423.5	PHPA (ppb)		-	HOURS	198.0	HOURS			

BIT RECORD

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	Dull Bit Condition			
RR	17 1/2"	HTC	ATM-05	415	U86BM	1354	Reaming				20,20,20,16	I	O	D	L
												B	G	O	R

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
7	0	5	80	100	3504	926	15445	2240	6 1/2	6 1/2	95	95	

Run	Drag (tonnes)		Torque (amps)			Hydraulics				AV m/min				
No	Up	Down	Rot	Max		Off Btm	HHP	Impact Force	HSI	%P _{bit}	P _{bit}		DC x OH	DP x OH
7	107	101	104	500		150	274	1069	1.14	24.2	531		31	24

ROP Test:		DRILLS				GEOLOGY				
Function:		F/Abn	MOB	Pit	Trip	Lithology	T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	29/08/94	28/08/94	28/08/94	30/08/94	31/08/94	Claystone	0.13%	nil	0.00%	0.23%

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1080	1145	1113	3338	VDL:1820 tonne
Bentonite (sacks)	720	0	995	1715	
Cement (sacks)	2104	937	0	3041	
Hot water (tonne)	139	237	65	441	
Drill water (tonne)	159	492	0	651	
Fuel (litres)	141,000	196,600	108,500	446100	
Helifuel (litres)				0	
Fuel last 24 hrs (litres)	9000	1000	1200	11200	Daily fuel cost: \$6,675

DAILY MUD COST:	(\$5,722)	CUM MUD COST:	\$109,065
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PERSONEL ON RIG:									
R & B	44	T O C	4	SERVICE	12	OTHER	0	TOTAL	60
HELICOPTER FLIGHTS TO RIG :		1	PAX ON:		4	PAX OFF:		5	
Freight:									

COIM:-	W.Parsell	GEOLOGIST:-	M.Adamson	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5			Bit Run		Bit Run		Depth:		
Backlog		1.5	Mud type		Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		15.0	Mud wt. SG							<-20->	
Drilling		196.5	Funnel Vis	Mix						<-30->	
Reaming		13.5	PV/YP	new						<-40->	
Circ. & cond.	2.0	19.0	Gels	mud							
Trips	4.5	49.0	API W/L								
Survey		2.5	Cake (mm)								
Electric logging		9.0	Sulfite (mg/l)								
Casing	10.0	35.0	Pf/Mf								
Cement	4.0	25.5	KCl %								
N/U test BOP		31.5	Cl (ppm)								
Rig main/repair		3.5	K (ppm)								
Coring			Tot. hardness mg/l								
Weather			pH								
DST			Solids %								
Sp & A			Water %								
Fishing			Sand %								
Other			MBT(ppb)								
WOC	3.5	20.5	PHPA (pph)								
Total	24.0	447.5									

BIT RECORD												Dull Bit Condition	
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R	
RR	17 1/2"	HTC	ATM-05	415	U86BM	1354	Reaming				20,20,20,16	2 2 WT A E 1 - TD	

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
									6 1/2	6 1/2				
Run	Drag (tonnes)			Torque (amps)			Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm		HHP	Impact Force	HSI	%P _{bit}	P _{bit}	DC x OH	DP x OH	

BOP Test:		DRILLS				GEOLOGY					
Function:		F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	29/08/94	28/08/94	28/08/94	30/08/94	1/09/94						

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1060	1145	1113	3318	VDL:1615 tonne
Bentonite (sacks)	720	0	995	1715	
Cement (sacks)	1204	937	0	2141	
Pot water (tonne)	118	226	61	405	
Drill water (tonne)	107	492	0	599	
Fuel (litres)	132,000	185,300	107,800	425100	
Helifuel (litres)				0	
Fuel last 24 hrs (litres)	9000	11300	700	21000	Daily fuel cost: \$12,516

DAILY MUD COST:	\$410	CUM MUD COST:	\$109,475
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PERSONEL ON RIG:					
R & B	45	T O C	4	SERVICE	12
				OTHER	0
				TOTAL	61

HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	11	PAX OFF:	10
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Freight:	
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OIM:-	W.Parsell	GEOLOGIST:-	M.Adamson	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
g move		25.5		PIT		Bit Run	8	Bit Run		Depth:	
cking		1.5	Mud type	klc/phpa		Descr.	Length	Desc.	Length	#1	S P R
P/U-L/D BHA	1.5	16.5	Mud wt. SCt	1.04		Bit	0.30				<-20->
Drilling		196.5	Funnel Vis	75		Junk Sub	0.60				<-30->
aming		13.5	PV/YP	17/28		NB Stab	1.84				<-40->
rc. & cond.		19.0	Gels	4/5		Pony DC	3.15				
Trips	1.5	50.5	API W/L	6.4		12 1/4" Stab	1.63				
Survey		2.5	Cake (mm)	1.0		NMDC	9.46				
ectric logging		9.0	Sulfite (mg/l)			8 1/4" DC	9.44				
ising		35.0	Pf/Mf	0.5/1.1		12 1/4" Stab	1.50				
Cement		25.5	KCl %	3.0		15x8 1/4" DC	141.57				
N/U test BOP	21.0	52.5	Cl (ppm)	46000		Jars	9.79				
g main/repair		3.5	K (ppm)	15710		2x 8 1/4" DC	18.82				
oring			Tot. hardness mg/l	600		X/O	0.85				
Weather			pH	10.0		15xHWDP	141.82				
DST			Solids %	3.0							
& A			Water %	97.0		TOTAL	340.77	TOTAL	0.00		
shing			Sand %	0.00		JAR	Hou.Eng	JAR			
Other WOC		20.5	MBT(ppb)	0.0		SER No.	DAH1273	SER No			
Total	24.0	471.5	PHPA (ppb)	0.8		HOURS	198.0	HOURS			

BIT RECORD												Dull Bit Condition							
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L	B	G	O	R
6	12 1/4"	REED	HP13G	137	JD 3143	1354					16,16,16								

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
									6 1/2	6 1/2				
Run	Drag (tonnes)			Torque (amps)			Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm		HHP	Impact Force	HSI	%P _{DE}	P _{DE}	DC x OH	DP x OH	

OP Test:	2/09/94	DRILLS				GEOLOGY					
Function:	2/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
lg Inspect:	29/08/94	28/08/94	28/08/94	30/08/94	1/09/94						
ast LTA:	27/03/94				Last incident:		16/06/94				

WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	En route to Darwin	10:30	

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1060	1145	1113	3318	VDL:1830 tonne
montonite (sacks)	720	0	995	1715	
ment (sacks)	1200	937	0	2137	
Pot water (tonne)	169	163	58	390	
Drill water (tonne)	278	296	0	574	
iel (litres)	127,000	182,300	107,000	416300	
lifuel (litres)				0	
Fuel last 24 hrs (litres)	5000	3000	800	8800	Daily fuel cost: \$5,245

AILY MUD COST:	\$16,850	CUM MUD COST:	\$126,325
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PERSONEL ON RIG:									
R & B	45	T O C	4	SERVICE	7	OTHER	0	TOTAL	56
ELICOPTER FLIGHTS TO RIG :		1	PAX ON:		4	PAX OFF:		9	
eight: 3 boxes geological samples to Geotech, Perth									
OIM:-	W.Parsell	GEOLOGIST:- S.Falloon			DRLG ENG:- V. Tilley		DRLG SUPV:- S.Nowe		

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		20:00	Bit Run	8	Bit Run	9	Depth:		
Drilling		1.5	Mud type	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA	2.0	18.5	Mud wt. SG	1.04	Bit	0.30	Bit (PDC)	0.43	145	<-20->	145
Drilling	7.5	204.0	Funnel Vis	52	Junk Sub	0.60	NB Stab	1.84	225	<-30->	200
Leaming	6.0	19.5	PV/YP	17/24	NB Stab	1.84	Pony DC	3.15		<-40->	
Circ. & cond.	3.0	22.0	Gels	2/4	Pony DC	3.15	12 1/4" Stab	1.63			
Trips	5.0	55.5	API W/L	5.6	12 1/4" Stab	1.63	NMDC	9.46			
Survey		2.5	Cake (mm)	1.0	NMDC	9.46	8 1/4" DC	9.44			
Electric logging		9.0	Sulfite (mg/l)		8 1/4" DC	9.44	12 1/4" Stab	1.50			
Casing		35.0	Pf/Mf	0.7/1.7	12 1/4" Stab	1.50	15x8 1/4" DC	141.57			
Cement		25.5	KCl %	3.0	15x8 1/4" DC	141.57	Jars	9.79			
I/U test BOP		52.5	Cl (ppm)	47000	Jars	9.79	2x 8 1/4" DC	18.82			
Rig main/repair		3.5	K (ppm)	15710	2x 8 1/4" DC	18.82	X/O	0.85			
Coring			Tot. hardness mg/l	640	X/O	0.85	15xHWDP	141.82			
Weather			pH	9.5	15xHWDP	141.82					
OST			Solids %	3.0							
' & A			Water %	97.0	TOTAL	340.77	TOTAL	340.30			
9:36			Sand %	0.10	JAR	Hou.Eng	JAR				
Other LOT	0.5	21.0	MBT(ppb)	0.0	SER No.	DAH1273	SER No				
Total	24.0	495.5	PHPA (pph)	0.5	HOURS	211.5	HOURS				

BIT RECORD											Dull Bit Condition	
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth out	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
6	12 1/4"	REED	HP13G	137	JD 3143	1354	1376	22	7.5	2.93	16,16,16	1 3 WT A E 1 ER BHA
7	12 1/4"	DBS	TD13M	M615	7940209	1376					6 x 13	In hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
8	5	14	100	120	2582	682	10343	1500	6 1/2"	6 1/2"	70	70		
9	3	7	70	90	3027	800	9998	1450	6 1/2"	6 1/2"	81	79		
Run	Drag (tonnes)			Torque (amps)			Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm		HHP	Impact Force	HSI	%P _{max}	P _{max}	DC x OH	DP x OH	
8	104	100	100	200	120		438	1164	3.72	51.3	1096	63	41	
9	104	100	100	400	120									

BOP Test:	2/09/94	DRILLS				GEOLOGY					
Function:	2/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	29/08/94	28/08/94	28/08/94	3/09/94	3/09/94	Claystone/Sandstone(30%)		-	-	0.06%	0.10%

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	Darwin		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
larite (sacks)	1060	1145	1113	3318	VDL:1705 tonne
Bentonite (sacks)	720	0	995	1715	
Cement (sacks)	1200	937	0	2137	
ot water (tonne)	147	157	213	517	
Drill water (tonne)	216	296	296	808	
Fuel (litres)	119,000	181,800	87,000	387800	
Helifuel (litres)				0	
Fuel last 24 hrs (litres)	8000	500	20000	28500	Daily fuel cost: \$16,986

DAILY MUD COST:	\$3,858	CUM MUD COST:	\$130,184
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PERSONEL ON RIG:																			
A & B		45		T O C		4		SERVICE		7		OTHER		0		TOTAL		56	

HELICOPTER FLIGHTS TO RIG:	0	PAX ON:	0	PAX OFF:	0
Freight:					

DIM:-	W.Parsell	GEOLOGIST:-	S.Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	S.Nowe
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		11:00	21:00	Bit Run	9	Bit Run		Depth:	1445m	
Drilling		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		18.5	Mud wt. SG	1.05	1.05	Bit (PDC)	0.43			110	<-20->	110
Drilling	18.5	222.5	Funnel Vis	47	45	NB Stab	1.84			160	<-30->	150
Cementing	1.0	20.5	PV/YP	16/22	16/21	Pony DC	3.15			225	<-40->	210
Circ. & cond.		22.0	Gels	2/4	2/4	12 1/4" Stab	1.63					
Trips	3.0	58.5	API W/L	6.8	6.4	NMDC	9.46					
Survey		2.5	Cake (mm)	1.0	1.0	8 1/4" DC	9.44					
Electric logging		9.0	Sulfite (mg/l)			12 1/4" Stab	1.50					
Casing		35.0	P/Mf	0.5/1.5	0.5/1.7	15x8 1/4" DC	141.57					
Cement		25.5	KCl %	3.0	3.0	Jars	9.79					
I/U test BOP		52.5	Cl (ppm)	47000	41000	2x 8 1/4" DC	18.82					
Rig main/repair	1.5	5.0	K (ppm)	15710	15710	X/O	0.85					
Coring			Tot. hardness mg/l	760	760	15xHWDP	141.82					
Weather			pH	9.5	9.5							
OST			Solids %	3.0	3.0							
' & A			Water %	97.0	97.0	TOTAL	340.30	TOTAL	0.00			
Fishing			Sand %	0.10	0.20	JAR	Hou.Eng	JAR				
Other		21.0	MBT(ppb)	0.0	0.0	SER No.	DAH1273	SER No				
Total	24.0	519.5	PHPA (ppb)	0.5	0.5	HOURS	230.0	HOURS				

BIT RECORD												Dull Bit Condition	
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R	In hole
7	12 1/4	DBS	TD13M	M615	7940209	1376	1467	91	18.5	4.92	6 x 13		

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
9	5	10	80	120	2951	780	10343	1500	6 1/2"	6 1/2"	80	80	

Run		Drag (tonnes)		Torque (anips)		Hydraulics				AV m/min			
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{bit}	P _{bit}	DC x OH	DP x OH	
9	112	90	102	500	125	438	1178	3.72	56	840	63	41	

BOP Test:	2/09/94	DRILLS				GEOLOGY						
Function:	2/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas		C/Gas	BG/Gas	MGU
Rig Inspect:	29/08/94	4/09/94	28/08/94	3/09/94	4/09/94	Claystone		0.25%		-	0.21%	0.37%

Last LTA:	27/03/94	Last Incident:	16/06/94
WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	Darwin		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	940	1145	1113	3198	Inventory correction
Bentonite (sacks)	720	0	995	1715	
Cement (sacks)	1200	937	0	2137	
Hot water (tonne)	136	150	213	499	
Drill water (tonne)	169	296	296	761	
Fuel (litres)	107,000	181,300	96,600	384900	Penelope inventory correction
Helifuel (litres)				0	VDL (tonnes): 1653
Fuel last 24 hrs (litres)	12000	500	400	12900	Daily fuel cost: \$7,688

DAILY MUD COST:		\$5,663		CUM MUD COST:		\$135,847													
PERSONEL ON RIG:																			
R & B		45		T O C		4		SERVICE		7		OTHER		0		TOTAL		56	
HELICOPTER FLIGHTS TO RIG :		0		PAX ON:		0		PAX OFF:		0									
Freight:																			
OIM:-		W.Parsell		GEOLOGIST:-		S.Faloon		DRLG ENG:-		V. Tilley		DRLG SUPV:-		S.Nowe					

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		11:00	20:00	Bit Run	9	Bit Run		Depth:	1574m	
Jacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		18.5	Mud wt. SG	1.05	1.05	Bit (PDC)	0.43			40	<-20->	50
Drilling	19.5	242.0	Funnel Vis	45	45	NB Stab	1.84			100	<-30->	80
Leaming		20.5	PV/YP	16/22	16/21	Pony DC	3.15			160	<-40->	170
Circ. & cond.	0.5	22.5	Gels	2/4	2/4	12 1/4" Stab	1.63					
Trips	1.0	59.5	API W/L	6.8	6.4	NMDC	9.46					
Survey	1.0	3.5	Cake (mm)	1.0	1.0	8 1/4" DC	9.44					
Electric logging		9.0	Sulfite (mg/l)			12 1/4" Stab	1.50					
Casing		35.0	Pf/Mf	0.5/1.6	0.4/1.5	15x8 1/4" DC	141.57					
Cement		25.5	KCl %	2.5	2.0	Jars	9.79					
W/U test BOP		52.5	Cl (ppm)	40000	40000	2x 8 1/4" DC	18.82					
Rig main/repair	2.0	7.0	K (ppm)	13090	10470	X/O	0.85					
Coring			Tot. hardness mg/l	600	560	15x11WDP	141.82					
Weather			pH	9.5	9.3							
OST			Solids %	3.0	3.0							
P & A			Water %	97.0	97.0	TOTAL	340.30	TOTAL	0.00			
Fishing			Sand %	0.20	0.20	JAR	Hou.Eng	JAR				
Other		21.0	MBT(ppb)	0.5	1.0	SER No.	DAH1273	SER No				
Total	24.0	543.5	PHPA (pph)	0.3	0.5	HOURS	249.5	HOURS				

BIT RECORD											Dull Bit Condition	
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
7	12 1/4	DBS	TD13M	M615	7940209	1376	1562	186	38	4.89	6 x 13	In hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
9	10	15	80	110	2951	780	9998	1450	6 1/2"	6 1/2"	80	80		
Run	Drag (tonnes)			Torque (amps)			Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm		HHP	Impact Force	HSI	%P _{sk}	P _{sk}	DC x OH	DP x OH	
9	111	103	108	500	150		438	1178	3.72	54	784	63	41	

BOP Test:	2/09/94	DRILL				GEOLOGY						
Function:	2/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BC/Gas	MGU	
Rig Inspect:	5/09/94	4/09/94	28/08/94	5/09/94	5/09/94	Claystone / Sand		0.00%	0.00%	0.19%	0.43%	

Last LTA:		27/03/94		Last Incident:		16/06/94	
WORKBOATS		LOCATION		ETA		COMMENTS	
ADY ELIZABETH		Standby at rig					
ADY PENELOPE		Darwin					

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	940	1145	1113	3198	
Bentonite (sacks)	720	0	995	1715	
Cement (sacks)	1200	937	0	2137	
Pot water (tonne)	167	95	229	491	
Drill water (tonne)	317	98	350	765	
Fuel (litres)	166,000	107,000	95,000	368,000	
Helifuel (litres)				0	VDL (tonnes): 1968
Fuel last 24 hrs (litres)	12000	3300	1600	16900	Daily fuel cost: \$10,072

DAILY MUD COST:	\$5,034	CUM MUD COST:	\$140,881
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PERSONEL ON RIG:									
R & B	46	TOC	3	SERVICE	8	OTHER	0	TOTAL	57
HELICOPTER FLIGHTS TO RIG :		1	PAX ON:	13	PAX OFF:	12			

Freight:											
OIM:-	W.Parsell	GEOLOGIST:-	S.Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	S.Nowe				

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		11:00	22:00	Bit Run	9	Bit Run		Depth:	1630m	
Drilling		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
Drilling		18.5	Mud wt. SG	1.07	1.08	Bit (PDC)	0.43			200	<-40->	275
Drilling	23.0	265.0	Funnel Vis	44	41	NB Stab	1.84			375	<-50->	330
Drilling		20.5	PV/YP	15/18	14/15	Pony DC	3.15			475	<-60->	425
Drilling		22.5	Gels	1/2	1/2	12 1/4" Stab	1.63					
Drilling		59.5	API W/L	5.6	5.4	NMDC	9.46					
Drilling		3.5	Cake (mm)	1.0	1.0	8 1/4" DC	9.44					
Drilling		9.0	Sulfite (mg/l)			12 1/4" Stab	1.50					
Drilling		35.0	Pf/Mf	0.25/1.3	0.25/1.3	15x8 1/4" DC	141.57					
Drilling		25.5	KCl %	2.5	3.0	Jars	9.79					
Drilling		52.5	Cl (ppm)	42000	37000	2x 8 1/4" DC	18.82					
Drilling		7.0	K (ppm)	13090	15710	X/O	0.85					
Drilling			Tot. hardness mg/l	560	400	15xHWDP	141.82					
Drilling			pH	9.0	9.0							
Drilling			Solids %	4.5	5.0							
Drilling			Water %	95.5	95.0	TOTAL	340.30	TOTAL	0.00			
Drilling			Sand %	0.20	0.10	JAR	Hou.Eng	JAR		MWD		
Drilling			MBT(ppb)	2.0	2.0	SER No.	DAH1273	SER No.		SER No.		
Drilling			PHPA (ppb)	0.5	0.5	HOURS	272.5	HOURS		HOURS		
Total	24.0	567.5										

BIT RECORD

Dull Bit Condition

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
7	12 1/4	DBS	TD13M	M615	7940209	1376	1641	265	61	4.34	6 x 13	In hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
9	8	15	80	130	2859	755	11060	1604	6 1/2"	6 1/2"	77	78		
Run	Drag (tonnes)			Torque (amps)			Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm		HHP	Impact Force	HSI	%P _{tot}	P _{tot}	DC x OH	DP x OH	
9	108	105	108	500	250		345	1097	2.93	49	782	63	41	

BOP Test:	2/09/94	DRILLS				GEOLOGY					
Function:	2/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	5/09/94	4/09/94	28/08/94	6/09/94	5/09/94	Claystone		0.00%	0.00%	0.25%	0.40%

Last LTA:	27/03/94	Last Incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	En route to rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	910	1145	1113	3168	
Bentonite (sacks)	720	0	995	1715	
Cement (sacks)	1200	937	0	2137	
Hot water (tonne)	150	80	233	463	
Drill water (tonne)	214	98	403	715	
Fuel (litres)	153,000	106,500	196,000	455,500	
Helifuel (litres)				0	VDL (tonnes): \$1,926
Fuel last 24 hrs (litres)	13000	500	0	13500	Daily fuel cost: \$8,046

DAILY MUD COST:	\$5,448	CUM MUD COST:	\$146,329
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PERSONEL ON RIG:					
U & B	46	T O C	3	SERVICE	8
				OTHER	0
				TOTAL	57

HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	13	PAX OFF:	12
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Freight:	
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JOIM:-	W.Parsell	GEOLOGIST:-	S.Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	S.Nowe
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		8:00	21:00	Bit Run	9	Bit Run	10	Depth:	1678m	
Drilling		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	SPR	#2
P/U-L/D BHA		18.5	Mud wt. SG	1.08	1.08	Bit (PDC)	0.43	11 3/4" O/S	2.06	260	<-40->	320
Drilling	17.0	282.0	Funnel Vis	42	43	NB Stab	1.84	NMDC	9.46	375	<-50->	360
Leaming		20.5	PV/YP	14/17	15/18	Pony DC	3.15	10x8" DC	94.45	450	<-60->	425
Circ. & cond.	0.5	23.0	Gels	1/3	2/4	12 1/4" Stab	1.63	Jars	9.79			
Trips	3.0	62.5	API W/L	5.6	5.4	NMDC	9.46	3x8" DC	28.35			
Survey		3.5	Cake (mm)	1.0	1.0	8 1/4" DC	9.44	X/O	0.85			
Electric logging		9.0	Sulfite (mg/l)			12 1/4" Stab	1.50	15xHWD	141.82			
Casing		35.0	Pf/Mf	0.3/1.4	0.3/1.2	15x8 1/4" DC	141.57					
Cement		25.5	KCl %	3.0	3.0	Jars	9.79					
N/U test BOP		52.5	Cl (ppm)	36000	35000	2x 8 1/4" DC	18.82					
Rig main/repair	0.5	7.5	K (ppm)	15710	15710	X/O	0.85					
Drilling			Tot. hardness mg/l	480	440	15xHWD	141.82					
Weather			pH	9.0	9.0							
OST			Solids %	5.5	5.5							
' & A			Water %	94.5	94.5	TOTAL	340.30	TOTAL	286.78			
Fishing	3.0	3.0	Sand %	0.10	0.10	JAR	Hou.Eng	JAR	Hou.Eng			
Other		22.0	MBT(ppb)	2.5	3.0	SER No.	DAH1273	SER No	DAH1684			
Total	24.0	591.5	PHPA (pph)	0.5	0.5	HOURS	289.5	HOURS	-			

BIT RECORD

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	Dull Bit Condition	
7	12 1/4	DBS	TD13M	M615	7940209	1376	1698	322	78	4.13	6 x 13	I O D L B G O R	3 4 R O T X 1 W/BT PP

Run #	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks
	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
9	8	20	80	140	2582	682	10687	1550	6 1/2"	6 1/2"	70	70	
10	-	-	-	-	946	250	1517	220	6 1/2"	6 1/2"	50	0	
Run	Drag (tonnes)		Torque (amps)		Hydraulics								AV m/min
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{ht}	P _{ht}	DC x OH	DP x OH	
9	112	107	109	500	250	254	895	2.15	41	638	62	41	

BOP Test:	2/09/94	DRILLS					GEOLOGY						
Function:	2/09/94	F/Abn	MOB	Pit	Trip		Lithology		T/Gas	C/Gas	BG/Gas	MGU	
Rig Inspect:	5/09/94	4/09/94	28/08/94	7/09/94	7/09/94		Claystone		0.00%	0.00%	0.22%	0.37%	
Last LTA:	27/03/94					Last incident:	16/06/94						

WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Stand by at rig		
LADY PENELOPE	Stand by at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	880	1145	1113	3138	
entonite (sacks)	720	0	995	1715	
ement (sacks)	1200	937	0	2137	
Pot water (tonne)	133	70	229	432	
Drill water (tonne)	269	98	281	648	
uel (litres)	139,000	106,000	187,000	432000	
elifuel (litres)	6400			6400	
Fuel last 24 hrs (litres)	14000	500	9000	23500	Daily fuel cost: \$14,006

DAILY MUD COST:	\$9,726	CUM MUD COST:	\$156,055	VARIABLE DECK LOAD(T):	1942
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PERSONEL ON RIG:									
R & B	46	T O C	3	SERVICE	8	OTHER	0	TOTAL	57
ELICOPTER FLIGHTS TO RIG :	0	PAX ON:	0	PAX OFF:	0				
Height:									
COIM:-	W.Parsell	GEOLOGIST:-	S.Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	S.Nowe		

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		14:00	22:00	Bit Run	10	Bit Run		Depth:	1714m	
acking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA	2.5	21.0	Mud wt. SG	1.10	1.10	Bit 12 1/4"	0.35			330	<-40->	325
Drilling	14.0	296.0	Funnel Vis	43	45	NB stab	1.84			450	<-50->	470
Leaming		20.5	PV/YP	13/16	14/18	NMDC	9.46			575	<-60->	540
irc. & cond.		23.0	Gels	2/5	2/6	12 1/4" Stab	1.70					
Trips	1.5	64.0	API W/L	4.8	5.4	2x8 1/4" DC	18.90					
Survey		3.5	Cake (mm)	1.0	1.0	12 1/4" Stab	1.50					
Electric logging		9.0	Sulfite (mg/l)			15x8 1/4" DC	141.57					
Casing		35.0	Pf/Mf	0.3/1.3	0.25/1.2	Jars	9.79					
Cement		25.5	KCl %	3.0	3.0	2x8 1/4" DC	18.82					
N/U test BOP		52.5	Cl (ppm)	31000	30000	X/Over	0.85					
Rig main/repair	0.5	8.0	K (ppm)	15710	15710	15xHWD	141.82					
Coring			Tot. hardness mg/l	280	240							
Weather			pH	9.0	9.0							
OST			Solids %	7.0	7.0							
' & A			Water %	93.0	93.0	TOTAL	346.60	TOTAL	0.00			
Fishing	5.5	8.5	Sand %	0.10	0.10	JAR	Hou.Eng	JAR				
Other		22.0	MBT(ppb)	3.0	3.0	SER No.	DAH1684	SER No				
Total	24.0	615.5	PHPA (pph)	0.5	0.5	HOURS	14.0	HOURS				

BIT RECORD											Dull Bit Condition	
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
8	12 1/4	REED	EHP51HLK	5 1 7	BM 6124	1698	1770	72	14	5.14	3 x 15	In hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
10	15	20	90	100	2582	682	16065	2330	6 1/2"	6 1/2"	70	70		
Run #	Drag (tonnes)			Torque (amps)			Hydraulics					AV m/mln		
No	Up	Down	Rot	Max	Off Btm		HHP	Impact Force	HSI	%P _{hit}	P _{hit}	DC x OH	DP x OH	
10	115	112	115	400	250		599	1394	5.08	64	1493	62	41	

BOP Test:	2/09/94	DRILLS					GEOLOGY				
Function:	2/09/94	F/Abn	MOB	Pit	Trip		Lithology	T/Gas	C/Gas	BG/Gas	MGU
lg Inspect:	5/09/94	4/09/94	28/08/94	8/09/94	8/09/94		Claystone	0.00%	0.00%	0.22%	0.56%

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
ADY ELIZABETH	En route to Darwin	08:00	
ADY PENELOPE	Stand by at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	800	1145	1113	3058	
entonite (sacks)	720	0	995	1715	
ement (sacks)	2000	0	0	2000	
Pot water (tonne)	119	65	225	409	
Drill water (tonne)	213	98	281	592	
uel (litres)	131,000	105,000	186,300	422300	
elifuel (litres)	6400			6400	
Fuel last 24 hrs (litres)	8000	1000	700	9700	Daily fuel cost: \$5,781

DAILY MUD COST:	\$12,221	CUM MUD COST:	\$168,277	VARIABLE DECK LOAD(T):	1942
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PERSONEL ON RIG:									
R & B	45	T O C	3	SERVICE	8	OTHER	0	TOTAL	56
ELICOPTER FLIGHTS TO RIG :	1	PAX ON:	10	PAX OFF:	11				
reight:									

OIM:-	W.Parsell	GEOLOGIST:-	S.Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	S.Nowe
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		11:00	23:00	Bit Run	10	Bit Run	11	Depth:		
acking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	SPR	#2
P/U-L/D BHA		21.0	Mud wt. SG	1.10	1.12	Bit 12 1/4"	0.35	Bit 12 1/4"		375	<-40->	340
Drilling	15.0	311.0	Funnel Vis	44	46	NB stab	1.84	NMDC		475	<-50->	450
Learning		20.5	PV/YP	14/15	16/15	NMDC	9.46	12 1/4" Stab		580	<-60->	575
irc. & cond.		23.0	Gels	2/5	3/4	12 1/4" Stab	1.70	2x8 1/4" DC				
Trips	3.5	67.5	API W/L	5.2	5.2	2x8 1/4" DC	18.90	12 1/4" Stab				
Survey		3.5	Cake (mm)	1.0	1.0	12 1/4" Stab	1.50	15x8 1/4" DC				
Electric logging		9.0	Sulfite (mg/l)			15x8 1/4" DC	141.57	Jars				
Casing		35.0	Pf/Mf	0.3/1.2	0.22/1.35	Jars	9.79	2x8 1/4" DC				
Cement		25.5	KCl %	3.0	2.9	2x8 1/4" DC	18.82	X/Over				
N/U test BOP	5.0	57.5	Cl (ppm)	30000	27500	X/Over	0.85	15xHWD				
Rig main/repair	0.5	8.5	K (ppm)	15710	15180	15xHWD	141.82					
Coring			Tot. hardness mg/l	240	160							
Weather			pH	9.0	8.9							
OST			Solids %	7.5	8.0							
P & A			Water %	92.5	92.0	TOTAL	346.60	TOTAL	0.00			
Fishing		8.5	Sand %	0.20	0.25	JAR	Hou.Eng	JAR				
Other		22.0	MBT(ppb)	3.0	4.0	SER No.	DAH1684	SER No				
Total	24.0	639.5	PHPA (pph)	0.5	0.5	HOURS	29.0	HOURS	-			

BIT RECORD

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	Dull Bit Condition
8	12 1/4	REED	EHP51HLK	5 1 7	BM 6124	1698	1846	148	29	5.10	3 x 15	I O D L B G O R
9	12 1/4	REED	EHP51HL	5 1 7	CB 4115	1846					3 x 15	3 4 BT H1 E 3 WT WO

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
10	15	23	90	100	2533	669	16410	2380	6 1/2"	6 1/2"	70	70	

Run #	Drag (tonnes)			Torque (amps)			Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{max}	P _{max}	DC ± OH	DP ± OH		
10	115	113		400	250	566	1336	4.80	52	1440	62	40		

BOP Test:	9/09/94	DRILLS					GEOLOGY					
Function:	9/09/94	F/Abn	MOB	Pit	Trip		Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	5/09/94	4/09/94	28/08/94	9/09/94	9/09/94		Claystone/sandstone		0.00%	0.00%	0.24%	0.47%

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Stand by at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	800	1145	1113	3058	
Bentonite (sacks)	720	0	995	1715	
Cement (sacks)	2000	0	0	2000	
Pot water (tonne)	104	65	221	390	
Drill water (tonne)	161	98	281	540	
Fuel (litres)	120,000	105,000	185,500	410,500	
Helifuel (litres)	6400			6400	
Fuel last 24 hrs (litres)	11000	0	800	11800	Daily fuel cost: \$7,033

DAILY MUD COST:	\$8,199	CUM MUD COST:	\$176,476	VARIABLE DECK LOAD(T):	1760
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PERSONEL ON RIG:					
R & B	45	TOC	3	SERVICE	8
				OTHER	0
				TOTAL	56
HELICOPTER FLIGHTS TO RIG:	1	PAX ON:	2	PAX OFF:	2
Freight:	Over- shot bowl, Reed nozzles. (3 TOC pax day visit)				
DRM:-	W.Parsell	GEOLOGIST:-	S.Falloon	DRLG ENG:-	G.Rowlands
				DRLG SUPV:-	S.Nowe

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	1944	Report Number:	28
Permit No:	EP-32	Last Csg:	13 3/8"	Report Date:	10/09/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	1349m	Days on Location:	27
Contractor:	Reading & Bates	FLOT:	1.6 (SG)	Days Since Spud:	26
				Progress Last 24hrs:	98m

RIG POSITION:	Latitude: 14deg 34mins.24.204sec.S (AGD 66/67)			Longitude: 129deg.25mins.17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23m (13mLAT)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	10/09/94
0:00	0:30	0.50	Ran wear bushing.		
0:30	3:00	2.50	Made up Bha		
3:00	4:30	1.50	RIH to shoe.		
4:30	5:00	0.50	Serviced top drive and broke circulation.		
5:00	5:30	0.50	RIH to 1771m.		
5:30	6:30	1.00	Precautionary reamed from 1771m to 1846m - 1m fill.		
6:30	9:30	3.00	Drilled 12 1/4" hole from 1846m to 1859m.		
9:30	10:30	1.00	Reamed tight hole from 1849m to 1859m.		
10:30	0:00	13.50	Drilled 12 1/4" hole from 1859m to 1944m. Flow checked drilling breaks at 1868m and 1882m.		
			Pressure tested choke manifold and inside bops to 5000 psi. Tested kelly hose to 3500 psi.		
TOTAL		24.00			

Operations Summary 0000-0600 hrs: Date: 11/09/94

0:00	6:00	6.00	Drilled 12 1/4" hole from 1944m to 1973m.

Program next 24 hrs:

Drill 12 1/4" hole

SURVEYS

Depth	Inc	Az	Depth	Inc	Az	Survey Type

FE No.	SBD	Daily Cost:	\$127,466	Drilling Superintendent:	Approved:	F.D.Barker
		Cumulative Cost:	\$4,239,614			

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		10:15	23:00	Bit Run	11	Bit Run		Depth:	1888m	
Back		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA	2.5	23.5	Mud wt. SG	1.12	1.12	Bit 12 1/4"	0.35			330	<-40->	350
Drilling	16.5	327.5	Funnel Vis	46	46	Bit Sub	0.91			475	<-50->	430
Leaming	2.0	22.5	PV/YP	18/19	18/22	NMDC	9.46			590	<-60->	570
Circ. & cond.		23.0	Gels	4/5	4/8	12 1/4" Stab	1.97					
Trips	2.0	69.5	API W/L	5.4	5.2	2x8 1/4" DC	18.90					
Survey		3.5	Cake (mm)	1.0	1.0	12 1/4" Stab	1.50					
Electric logging		9.0	Sulfite (mg/l)	40.0	40.0	15x8 1/4" DC	141.57					
Casing		35.0	Pf/Mf	0.28/1.4	0.25/1.35	Jars	9.79					
Cement		25.5	KCl %	3.3	3.1	2x8 1/4" DC	18.82					
N/U test BOP	0.5	58.0	Cl (ppm)	25000	24000	X/Over	1.16					
Rig main/repair	0.5	9.0	K (ppm)	17280	16230	15xHWDP	141.34					
Coring			Tot. hardness mg/l	140	140							
Weather			pH	9.0	8.9							
OST			Solids %	8.0	8.0							
' & A			Water %	92.0	92.0		345.77	TOTAL				
Fishing		8.5	Sand %	0.25	0.20	JAR	Hou.Eng	JAR		MWD		
Other		22.0	MBT(ppb)	4.5	5.0	SER No.	DAH1684	SER No		SER No		
Total	24.0	663.5	PHPA (pph)	0.5	0.5	HOURS	45.5	HOURS	-	HOURS		

BIT RECORD

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	Dull Bit Condition	
9	12 1/4	REED	EHP51HL	5 1 7	CB4115	1846	1944	98	16.5	5.90	3 x 15	I O D L B G O R	In hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
11	20	23	90	100	2499	660	16755	2430	6 1/2"	6 1/2"	70	70		
Run #	Drag (tonnes)			Torque (amps)			Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm		HHP	Impact Force	HSI	%P _{max}	P _{max}	DC x OH	DP x OH	
11	118	114		400	250		536	1316	4.55	50	1393	62	40	

BOP Test:	9/09/94	DRILLS				GEOLOGY					
Function:	9/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	5/09/94	4/09/94	28/08/94	10/09/94	9/09/94	Claystone/sandstone		0.00%	0.00%	0.27%	0.54%
Last LTA:	27/03/94					Last Incident:		16/06/94			

WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Stand by at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	800	1145	1113	3058	
Bentonite (sacks)	720	0	995	1715	
Cement (sacks)	2000	0	0	2000	
Pot water (tonne)	83	65	217	365	
Drill water (tonne)	68	98	281	447	
Fuel (litres)	107,000	105,000	185,000	397000	
Diesel fuel (litres)	6400			6400	
Fuel last 24 hrs (litres)	13000	0	500	13500	Daily fuel cost: \$8,046

DAILY MUD COST:	\$11,846	CUM MUD COST:	\$188,322	VARIABLE DECK LOAD(T):	1645
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PERSONEL ON RIG:												
R & B	45	TOC	3	SERVICE	8	OTHER	0	TOTAL	56			
HELICOPTER FLIGHTS TO RIG :				PAX ON:		PAX OFF:						
Height:												
OIM:-	W.Parsell		GEOLOGIST:-		S.Falloon		DRLG ENG:-		G.Rowlands		DRLG SUPV:-	S.Nowe

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
rig move		25.5		11:00	23:00	Bit Run	11	Bit Run		Depth:	2005m	
drilling		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
1/2 U-L/D BHA		23.5	Mud wt. SG	1.13	1.12	Bit 12 1/4"	0.35			385	<-40->	365
Drilling	21.5	349.0	Funnel Vis	45	46	Bit Sub	0.91			490	<-50->	470
reaming		22.5	PV/YP	19/20	18/21	NMDC	9.46			620	<-60->	610
circ. & cond.		23.0	Gels	4/7	4/6	12 1/4" Stab	1.97					
rips	1.5	71.0	API W/L	5.0	5.0	2x8 1/4" DC	18.90					
Survey		3.5	Cake (mm)	1.0	1.0	12 1/4" Stab	1.50					
electric logging		9.0	Sulfite (mg/l)	40.0	40.0	15x8 1/4" DC	141.57					
asing		35.0	Pf/Mf	0.28/1.45	0.28/1.45	Jars	9.79					
Cement		25.5	KCl %	3.1	3.4	2x8 1/4" DC	18.82					
N/U test BOP		58.0	Cl (ppm)	22000	21000	X/Over	1.16					
ig main/repair	0.5	9.5	K (ppm)	16230	17800	15xHWDP	141.34					
oring			Tot. hardness mg/l	140	120							
Weather			pH	9.1	9.1							
DST			Solids %	8.2	7.5							
& A			Water %	91.8	92.5		345.77	TOTAL				
ishing		8.5	Sand %	0.20	0.20	JAR	Hou.Eng	JAR				
Other	0.5	22.5	MBT(pph)	5.0	4.0	SER No.	DAH1684	SER No				
Total	24.0	687.5	PHPA (ppb)	0.5	0.5	HOURS	67.0	HOURS	-			

BIT RECORD

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	Dull Bit Condition	
9	12 1/4	REED	EHP51HL	5 1 7	CI4115	1846	2052	206	38	5.42	3 x 15	I O D L B G O R	
10	12 1/4"	REED	EHP51HDLK	5 1 7	BW5116	2052					3 x 15	4 6 BT H E 3 ER PP	

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
11	20	23	90	100	2271	600	13445	1950	6 1/2"	6 1/2"	60	60	
Run #		Drag (tonnes)		Torque (amps)		Hydraulics				AV m/min			
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{bit}	P _{bit}	DC x OH	DP x OH	
11	122	118		420	250	406	1084	3.44	49	1158	55	36	

BOP Test:	9/09/94	DRILLS				GEOLOGY					
Function:	9/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
ig Inspect:	5/09/94	11/09/94	28/08/94	11/09/94	9/09/94	Claystone/sandstone		0.00%	0.00%	0.33%	5.70%
Last LTA: 27/03/94						Last incident: 16/06/94					

WORKBOATS	LOCATION	ETA	COMMENTS
ADY ELIZABETH	Darwin		
ADY PENELOPE	Stand by at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	800	1145	1113	3058	
Montonite (sacks)	720	0	995	1715	
ement (sacks)	2000	0	0	2000	
Pot water (tonne)	178	65	107	350	
ill water (tonne)	144	98	30	272	
iel (litres)	156,000	96,200	121,000	373200	
Helifuel (litres)	1077			1077	Helifuel usage = 1376 litres
Fuel last 24 hrs (litres)	13000	8800	2000	23800	Daily fuel cost: \$14,185

AILY MUD COST: \$7,566 CUM MUD COST: \$195,888 VARIABLE DECK LOAD(T): 1883

PERSONEL ON RIG:											
R & B	45	TOC	3	SERVICE	8	OTHER	0	TOTAL	56		
ELICOPTER FLIGHTS TO RIG :		1	PAX ON:		0	PAX OFF:		0			
...eight: 2 x 12 1/4" bits ; 2 x 12 1/4" Stabs ; logging tools											
CIM:-		W.Parsell		GEOLOGIST:-		S.Falloon		DRLG ENG:-		G.Rowlands	
								DRLG SUPV:-		S.Nowe	

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	2083m	Report Number:	30
Permit No:	EP-32	Last Csg:	13 3/8"	Report Date:	12/09/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	1349m	Days on Location:	29
Contractor:	Reading & Bates	FLOT:	1.6 (SG)	Days Since Spud:	28
				Progress Last 24hrs:	31m

RIG POSITION:	Latitude: 14deg 34mins.24.204sec.S (AGD 66/67)			Longitude: 129deg.25mins.17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23m (13mLAT)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date: 12/09/94
0:00	3:30	3.50	POH. Found crack in top stabiliser 3" (75mm) from box end. Bottom stab 3/16" undergauge. Moved stab to 90'.	
3:30	8:30	5.00	Made up BHA. Picked up new stabiliser at 30'. Cleaned and inspected all DC cons. Replaced 5 DCs with damaged shoulders.	
8:30	10:30	2.00	Ran in hole to 2052m.	
10:30	18:00	7.50	Drilled 12 1/4" hole from 2052m to 2083m. Lost 100psi pump pressure off bottom rotating, 150psi on bottom rotating.	
18:00	22:00	4.00	POH checking for wash-out.	
22:00	0:00	2.00	Broke off bit, checked float -OK. RIH checking all DC connections.	
TOTAL		24.00		

Operations Summary 0000-0600 hrs:

Date: 13/09/94

0:00	1:00	1.00	Made up BHA. Changed out jars (jar 1684 leaking)
1:00	3:30	2.50	RIH.No fill. Checked static losses -15 bph.
3:30	4:30	1.00	Drilled 2083m to 2086m, checked drilling break.
4:30	5:00	0.50	Observed well, losses at 77 bbls/hr.
5:00	6:00	1.00	Drilled to 2092m - dynamic losses approx 75-80 bbls/hr

Program next 24 hrs:

Drill 12 1/4" hole

SURVEYS

Depth	Inc	Az	Depth	Inc	Az	Depth	Inc	Az	Survey Type
FE No.		SBD	Daily Cost:		\$126,830	Drilling Superintendent:		Approved: F.D.Barker	
			Cumulative Cost:		\$4,497,669				

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		12:00	23:00	Bit Run	12	Bit Run		Depth:	2005m	
Lacking		1.5	Mud type	klc/pha	klc/pha	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA	7.0	30.5	Mud wt. SG	1.13	1.13	Bit 12 1/4"	0.35			385	<-40->	365
Drilling	7.5	356.5	Funnel Vis	45	43	Bit Sub	0.91			490	<-50->	470
Reaming		22.5	PV/YP	18/19	18/17	NMDC	9.46			620	<-60->	610
Circ. & cond.		23.0	Gels	4/6	4/5	12 1/4" Stab	1.99					
Frips	9.5	80.5	API W/L	5.1	5.2	2x8 1/4" DC	18.90					
Survey		3.5	Cake (mm)	1.0	1.0	12 1/4" Stab	1.97					
Electric logging		9.0	Sulfite (mg/l)	40.0	30.0	15x8 1/4" DC	140.95					
Casing		35.0	Pf/Mf	.26/1.34	.28/1.45	Jars	9.79					
Cement		25.5	KCl %	3.3	3.5	2x8 1/4" DC	18.82					
N/U test BOP		58.0	Cl (ppm)	21500	21500	X/Over	1.16					
Rig main/repair		9.5	K (ppm)	17280	18330	15xHWD	141.34					
Coring			Tot. hardness mg/l	120	100							
Weather			pH	9.0	9.1							
DST			Solids %	8.0	8.0							
P & A			Water %	92.0	92.0		345.64	TOTAL				
Fishing		8.5	Sand %	0.20	0.20	JAR	Hou.Eng	JAR				
Other		22.5	MBT(ppb)	4.0	4.0	SER No.	DAH1684	SER No				
Total	24.0	711.5	PHPA (ppb)	0.5	0.5	HOURS	74.5	HOURS	-			

BIT RECORD

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	Dull Bit Condition			
10	12 1/4	REED	EHP51HDLK	5 1 7	BW5116	2052	2083	31	7.5	4.13	3 x 15				

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
12	10	18	90	100	2290	605	13445	1950	6 1/2"	6 1/2"	60	60	
Drag (tonnes)		Torque (amps)		Hydraulics		AV m/min							
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{HL}	P _{HL}	DC x OH	DP x OH	
12	118	114		350	150	410	1093	3.48	49	1168	55	36	

BOP Test:	9/09/94	DRILLS				GEOLOGY					
Function:	9/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	11/09/94	11/09/94	28/08/94	12/09/94	12/09/94	Claystone/sandstone		2.90%	0.00%	0.18%	0.33%

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
ADY ELIZABETH	Darwin		
ADY PENELOPE	Stand by at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Marite (sacks)	800	1145	1113	3058	
entonite (sacks)	720	0	995	1715	
Cement (sacks)	2000	0	0	2000	
Pot water (tonne)	163	65	93	321	
Drill water (tonne)	99	98	30	227	
Fuel (litres)	145,000	95,200	121,000	361200	
Helifuel (litres)	1077			1077	
Fuel last 24 hrs (litres)	11000	1000	0	12000	Daily fuel cost: \$7,152

AILY MUD COST:	\$2,383	CUM MUD COST:	\$198,271	VARIABLE DECK LOAD(T):	1883
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PERSONEL ON RIG:					
W & B	45	TOC	3	SERVICE	12
				OTHER	0
				TOTAL	60
HELICOPTER FLIGHTS TO RIG :	2	PAX ON:	17	PAX OFF:	13

Freight:							
IM:-	W.Parsell	GEOLOGIST:-	S.Falloon	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	S.Nowe

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		11:00	23:00	Bit Run	13	Bit Run		Depth:	2151m	
Lacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA	1.0	31.5	Mud wt. SG	1.11	1.12	Bit 12 1/4"	0.35			410	<-40->	375
Drilling	18.5	375.0	Funnel Vis	50	45	Bit Sub	0.91			510	<-50->	500
Reaming		22.5	PV/YP	20/21	18/20	NMDC	9.46			675	<-60->	630
Circ. & cond.	2.0	25.0	Gels	4/6	4/5	12 1/4" Stab	1.99					
Trips	2.5	83.0	API W/L	5.0	4.8	2x8 1/4" DC	18.90					
Survey		3.5	Cake (mm)	1.0	1.0	12 1/4" Stab	1.97					
Electric logging		9.0	Sulfite (mg/l)	30.0	60.0	15x8 1/4" DC	140.95					
Casing		35.0	Pf/Mf	0.5/1.6	0.22/1.15	Jars	9.79					
Cement		25.5	KCl %	3.5	3.4	2x8 1/4" DC	18.82					
N/U test BOP		58.0	Cl (ppm)	21000	19000	X/Over	1.16					
Rig main/repair		9.5	K (ppm)	18300	17800	15xHWDP	141.34					
Coring			Tot. hardness mg/l	100	160							
Weather			pH	9.6	9.2							
DST			Solids %	7.0	7.0							
Y & A			Water %	93.0	93.0		345.64	TOTAL				
Shifting		8.5	Sand %	0.30	0.50	JAR	Hou.Eng	JAR				
Other		22.5	MBT(ppb)	3.5	4.0	SER No.	DAH1273	SER No				
Total	24.0	735.5	PHPA (ppb)	0.5	0.5	HOURS	308.0	HOURS	-			

BIT RECORD

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	Dull Bit Condition	
10RR	12 1/4	REED	EHP51HDLK	5 1 7	BW5116	2083	Inc	75	18.5	4.05	3 x 15	I O D L B G O R	

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
13	10	18	90	100	1969	520	9308	1350	6 1/2"	6 1/2"	50	50	
Drag (tonnes)		Torque (amps)		Hydraulics				AV m/min					
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{sh}	P _{sh}	DC x OH	DP x OH	
13	126	122		350	150	235	753	1.99	47	805	46	30	

JOP Test:	9/09/94	DRILLS				GEOLOGY					
Function:	9/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	11/09/94	11/09/94	28/08/94	13/09/94	12/09/94	Predominantly sandstone		0.20%	0.00%	0.19%	0.33%
Last LTA: 27/03/94						Last incident: 16/06/94					

WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Stand by at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	800	1145	1113	3058	
Bentonite (sacks)	610	0	995	1605	
Cement (sacks)	2000	0	0	2000	
Pot water (tonne)	163	65	93	321	
Drill water (tonne)	97	98	30	225	
Fuel (litres)	138,000	94,600	119,700	352,300	
Oil fuel (litres)	1077			1077	
Fuel last 24 hrs (litres)	7000	600	1300	8900	Daily fuel cost: \$5,304

AILY MUD COST:	\$17,196	CUM MUD COST:	\$215,467	VARIABLE DECK LOAD(T):	1716
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PERSONEL ON RIG:									
R & B	45	T O C	3	SERVICE	13	OTHER	0	TOTAL	61
ELICOPTER FLIGHTS TO RIG :		1	PAX ON:	1	PAX OFF:	0			
Weight: 2 rock bits, 1 stabiliser.									

MOIM:-	W.Parsell	GEOLOGIST:-	S.Falloon	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	S.Nowe
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		8:00	23:00	Bit Run	13	Bit Run	14	Depth:	2171m	
Backpacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		31.5	Mud wt. SG	1.12	1.12	Bit 12 1/4"	0.35	Bit 12 1/4"	0.32	250	<-40->	230
Drilling	9.5	384.5	Funnel Vis	47	43	Bit Sub	0.91	Bit Sub	0.91	400	<-50->	350
Seaming	0.5	23.0	PV/YP	19/21	18/18	NMDC	9.46	1x8 1/4" dc	9.44	525	<-60->	500
Circ. & cond.	3.0	28.0	Gels	5/7	4/5	12 1/4" Stab	1.99	12 1/4" Stab	1.91			
Trips	10.0	93.0	API W/L	5.6	5.6	2x8 1/4" DC	18.90	2x8 1/4" DC	18.92			
Survey		3.5	Cake (mm)	1.0	1.0	12 1/4" Stab	1.97	12 1/4" Stab	1.97			
Electric logging		9.0	Sulfite (mg/l)	120.0	80.0	15x8 1/4" DC	140.95	14x8 1/4" DC	131.49			
Casing		35.0	P/Mf	18/1.28	22/1.1	Jars	9.79	Jars	9.79			
Cement		25.5	KCl %	3.4	3.2	2x8 1/4" DC	18.82	2x8 1/4" DC	18.82			
I/U test BOP		58.0	Cl (ppm)	23000	23000	X/Over	1.16	X/Over	1.16			
Rig main/repair	0.5	10.0	K (ppm)	17800	16760	15xHWDP	141.34	15xHWDP	141.34			
Coring			Tot. hardness mg/l	600	660							
Weather			pH	8.8	8.6							
OST			Solids %	7.0	7.3							
W & A			Water %	93.0	92.7		345.64	TOTAL	336.07			
Fishing		8.5	Sand %	0.60	0.75	JAR	Hou.Eng	JAR	Hou.Eng			
Other	0.5	23.0	MBT(ppb)	4.0	4.0	SER No.	DAH1273	SER No	DAH1273			
Total	24.0	759.5	PHPA (ppb)	0.5	0.5	HOURS	313.0	HOURS	317.0			

BIT RECORD												Dull Bit Condition			
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L
10RR	12 1/4	REED	EHP51HDLK	5 1 7	BW5116	2083	2167	84	23.5	4.50	3 x 15	3	4	B	T
11	12 1/4"	SMITH	F20D	5 1 7	LC3014	2167	2176	9	4.5	2.00	3 X 14	1	1	-	E

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
13	10	18	90	100	1969	520	9308	1350	6 1/2"	6 1/2"	50	50	
14	5	18	90	90	1900	502	11032	1600	6 1/2"	6 1/2"	50	50	
Run #	Drag (tonnes)			Torque (amps)		Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{max}	P _{max}	DC x OH	DP x OH	
13	126	122		350	150	235	753	1.99	47	805	46	30	
14	126	122		300	200	311	869	2.64	54	1065	46	30	

BOP Test:	9/09/94	DRILLS				GEOLOGY					
Function:	9/09/94	F/Abn	MOB	Pit	Trip	Lithology				T/Gas	C/Gas
Log Inspect:	11/09/94	11/09/94	28/08/94	14/09/94	14/09/94	Predominantly sandstone				BG/Gas	MGU

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
ADY ELIZABETH	Standby at rig		
ADY PENELOPE	Stand by at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
arite (sacks)	800	1145	1113	3058	
entonite (sacks)	580	0	995	1575	
Cement (sacks)	2000	0	0	2000	
Pot water (tonne)	127	230	19	376	
rill water (tonne)	158	629	0	787	
uel (litres)	127,000	180,300	119,000	426300	
Helifuel (litres)	1077			1077	
uel last 24 hrs (litres)	11000	14500	700	26200	Daily fuel cost: \$15,615

DAILY MUD COST:	\$10,035	CUM MUD COST:	\$225,502	VAR DECK LOAD(T):	1764
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PERSONEL ON RIG:					
& B	45	T O C	3	SERVICE	13
				OTHER	0
				TOTAL	61

HELICOPTER FLIGHTS TO RIG :	-	PAX ON	-	PAX OFF:	-
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Freight:	
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IM:-	W.Parsell	GEOLOGIST:-	S.Falloon	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	S.Nowe
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	2199m	Report Number:	33
Permit No:	EP-32	Last Csg:	13 3/8"	Report Date:	15/09/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	1349m	Days on Location:	32
Contractor:	Reading & Bates	FLOT:	1.6 (SG)	Days Since Spud:	31
				Progress Last 24hrs:	23m

RIG POSITION:	Latitude: 14deg 34mins.24.204sec.S (AGD 66/67)			Longitude: 129deg.25mins.17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23m (13mLAT)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	15/09/94
0:00	0:30	0.50	Dropped survey tool.		
0:30	4:30	4.00	POH. Found cracked and washed joint in HWDP (fifth joint above BHA). Laid down 2 jts HWDP and jars. Inspected bit.		
4:30	8:00	3.50	RIH. Cleaned and inspected DC and HWDP connections. Picked up new jars.		
8:00	9:00	1.00	POOH. Layed out all HWDP.		
9:00	10:00	1.00	Checked rig torque make up systems. Ezy -Torque gauge reading 250 psi(=3000lbs line) pull low.		
10:00	12:00	2.00	Picked up and ran 12 joints HWDP (new). Cleaned and inspected all connections.		
12:00	13:00	1.00	RIH to shoe. Broke circulation.		
13:00	13:30	0.50	Serviced top drive.		
13:30	15:00	1.50	RIH to 2176m.		
15:00	23:30	8.50	Drilled 12 1/4" hole from 2176m to 2199m.		
23:30	0:00	0.50	Drilling break at 2199m. Flow checked - OK. Monitored static losses -80 bph.		
TOTAL		24.00			

Operations Summary 0000-0600 hrs:

Date: 16/09/94

0:00	2:00	2.00	Drilled with losses at 60-80 bph to 2204m-increased to 200 bph. Changed over to seawater-losses around 90 bph.
			Drilled ahead to 2210 m.
2:00	3:00	1.00	Worked pipe at 2210m - high torque/tight.
3:00	6:00	3.00	Drilled 12 1/4" hole to 2219m. Losses between 60 - 160 bph. Pumped hi-vis pill each single.

Program next 24 hrs: Drill ahead.

SURVEYS

Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type
											Totco

A/E No.	Daily Cost:	\$123,366	Drilling Superintendent:	Approved:	F.D.Barker
	Cumulative Cost:	\$4,943,524			

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		11:00	23:00	Bit Run	15	Bit Run		Depth:		
acking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		31.5	Mud wt. SG	1.12	1.12	Bit 12 1/4"	0.32				<-40->	
Drilling	8.5	393.0	Funnel Vis	42	45	Bit Sub	0.91				<-50->	
Leaming		23.0	PV/YP	18/17	17/20	1x8 1/4" dc	9.44				<-60->	
Circ. & cond.	0.5	28.5	Gels	5/7	5/8	12 1/4" Stab	1.91					
Trips	13.0	106.0	API W/L	5.6	5.3	2x8 1/4" DC	18.92					
urvey	0.5	4.0	Cake (mm)	1.0	1.0	12 1/4" Stab	1.97					
lectric logging		9.0	Sulfite (mg/l)	60.0	100.0	14x8 1/4" DC	131.49					
Casing		35.0	PF/Mf	0.15/1.1	0.2/1.3	Jars	9.70					
Cement		25.5	KCl %	3.2	3.0	2x8 1/4" DC	18.82					
I/U test BOP		58.0	Cl (ppm)	23000	22500	X/Over	1.16					
ig main/repair	1.5	11.5	K (ppm)	16760	15710	12xHWDP	112.46					
Coring			Tot. hardness mg/l	660	480							
Weather			pH	8.5	8.9							
OST			Solids %	7.4	7.2							
r & A			Water %	92.6	92.8		307.10	TOTAL				
Fishing		8.5	Sand %	0.75	0.75	JAR	Dailey	JAR				
ther		23.0	MBT(pph)	4.0	6.0	SER No.	1585-1004	SER No				
Total	24.0	783.5	PHPA (ppb)	0.5	0.5	HOURS	8.5	HOURS				

BIT RECORD

Dull Bit Condition

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
11RR	12 1/4	SMITH	F20D	5 1 7	LC3014	2167	2199	32	13	2.46	3 x 14	In hole

WOB(tonnes)			R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
15	5	15		115	1892	500	12066	1750	6 1/2"	6 1/2"	50	50	

Drag (tonnes)			Torque (amps)		Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{st}	P _{st}	DC x OH	DP x OH
15	126	122		300	200	310	856	2.63	55	1060	46	30

ROP Test:	9/09/94	DRILLS				GEOLOGY			
unction:	9/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas
ig Inspect:	11/09/94	11/09/94	28/08/94	15/09/94	15/09/94	Sandstone/siltstone		3.20%	0.00%
								0.22%	0.29%

Last LTA:	27/03/94	Last incident:	16/06/94
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VORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	En-route Darwin	8:00	16 Sept.1994

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
arite (sacks)	800	1145	1113	3058	
Bentonite (sacks)	580	0	995	1575	
Cement (sacks)	2000	0	0	2000	
ot water (tonne)	172	163	18	353	
rill water (tonne)	273	439	0	712	
Fuel (litres)	162,000	176,800	118,800	457600	
Helifuel (litres)	1077			1077	
uel last 24 hrs (litres)	11000	3500	200	14700	Daily fuel cost: \$8,761

DAILY MUD COST:	\$4,668	CUM MUD COST:	\$230,169	VARIABLE DECK LOAD(T):	1950
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PERSONEL ON RIG:					
& B	44	T O C	5	SERVICE	9
				OTHER	0
				TOTAL	58

HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	12	PAX OFF:	15
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Freight:

IM:-	J.Lafleur	GEOLOGIST:-	S.Falloon	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	S.Nowe
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.
DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5	Mud type Mud wt. SG Funnel Vis PV/YP Gels API W/L Ckcc (mm) Sulfite (mg/l) P/Mf KCl % Cl (ppm) K (ppm) Tot. hardness mg/l pH Solids % Water % Sand % MBT(ppb) PHPA (ppb)	Pit	Pit	Bit Run	15	Bit Run		Depth:		
Back		1.5		Hi-Vis	S/w- mud	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		31.5		1.03	1.07	Bit 12 1/4"	0.32	12 1/4" Bit			<-40->	
Drilling	6.0	399.0		120	32	Bit Sub	0.91	8 " PDM			<-50->	
reaming	1.0	24.0				1x8 1/4" dc	9.44	1 x 8 1/4" dc			<-60->	
irc. & cond.		28.5				12 1/4" Stab	1.91	12 1/4" Stab				
Trips	3.5	109.5				2x8 1/4" dc	18.92	1x 8 1/4"dc				
Survey		4.0				12 1/4" Stab	1.97	12 1/4" Stab				
Electric logging		9.0				14x 8 1/4" dc	131.49	3 x 8 1/4" dc				
Casing		35.0				Jars	9.70	12 1/4" Stab				
Cement		25.5				2x 8 1/4" dc	18.82	6 x 8 1/4"dc				
W/U test BOP	6.0	64.0				X/Over	1.16	Jars				
Rig main/repair		11.5				12 x HWDP	112.46	1 x 8 1/4" dc				
Coring								X/Over				
Weather								12 x HWDP				
OST												
& A												
Fishing		8.5				JAR	Dailey	JAR				
Other	7.5	30.5				SER No.	1585-1004	SER No				
Total	24.0	807.5				HOURS	14.5	HOURS				

BIT RECORD												Dull Bit Condition			
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L B G O R
11RR	12 1/4	SMITH	F20D	5 1 7	LC3014	2167	2220	53	19	2.79	3 x 14	3	7	BT	H123 E 2 BT PP
12	12 1/4"	HTC	ATM33D	5 4 7	K59BW	2220					1x14,2x16				

		WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks
Run #		Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
15		5	18	115	120	2271	600	14755	2140	6 1/2"	6 1/2"	60	60	
Run #		Drag (tonnes)		Torque (amps)		Hydraulics					AV m/min			
No		Up	Down	Rot	Max	Off Btn	HHP	Impact Force	HSI	%P _{bit}	P _{bit}	DC x OH	DP x OH	
15		127	119		550	200	310	856	2.63	55	1060	46	30	

BOP Test:	16/9/94	DRILLS				GEOLOGY					
Function:	16/9/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	11/9/94	11/09/94	28/8/94	16/09/94	16/9/94	Sandstone/siltstone		0.00%	0.00%	0.22%	0.29%

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	En-route rig	2:00	17 Sept.1994

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
arite (sacks)	800	1145	1113	3058	
Bentonite (sacks)	580	0	995	1575	
ement (sacks)	2000	0	0	2000	
ot water (tonne)	154	157	87	398	
Drill water (tonne)	182	439	190	811	
Fuel (litres)	155,000	129,600	151,300	435900	LE transferred 46000 litres fuel to rig 15/9/94
eliefuel (litres)	990			990	
uel last 24 hrs (litres)	7000	1100	9200	17300	Daily fuel cost: \$10,311

DAILY MUD COST:	\$9,832	CUM MUD COST:	\$239,552	VARIABLE DECK LOAD(T):	1917
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PERSONEL ON RIG:											
A & B	44	T O C	5	SERVICE	8	OTHER	0	TOTAL	57		

HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	3	PAX OFF:	4		
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Freight:

JIM:-	J.Lafleur	GEOLOGIST:-	M.Adamson.	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	S.Nowe
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.
DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		Pit	22:00	Bit Run	16	Bit Run		Depth:	
acking		1.5	Mud type	Hi-Vis		Descr.	Length	Desc.	Length	#1	SPR
P/U-L/D BHA	3.5	35.0	Mud wt. SG	1.03	1.07	12 1/4" Bit	0.29				<-40->
Drilling	13.5	412.5	Funnel Vis	100	36	8 " PDM	8.43				<-50->
Learning	0.5	24.5	PV/YP		7/12	1 x 8 1/4" dc	9.44				<-60->
irc. & cond.		28.5	Gels		3/7	12 1/4" Stab	2.07				
Trips	3.5	113.0	API W/L		10.5	1x 8 1/4"dc	9.47				
Survey		4.0	Cake (mm)		1.0	12 1/4" Stab	1.98				
Electric logging		9.0	Sulfite (mg/l)		100.0	3 x 8 1/4" dc	28.05				
asing		35.0	Pf/Mf		0.1/0.94	12 1/4" Stab	1.69				
Cement		25.5	KCl %		1.3	6 x 8 1/4"dc	56.27				
N/U test BOP		64.0	Cl (ppm)		21500	Jars	9.70				
Rig main/repair	1.5	13.0	K (ppm)		6810	1 x 8 1/4" dc	9.37				
oring			Tot. hardness mg/l		1040	X/Over	0.89				
Weather			pH		8.4	12x HWDP	112.46				
ST			Solids %		4.7						
& A			Water %		95.3		250.11	TOTAL			
ishing		8.5	Sand %		0.10	JAR	Dailey	JAR			
Other	1.5	32.0	MBT(ppb)		8.0	SER No.	1585-1004	SER No			
Total	24.0	831.5	PHPA (ppb)		0.2	HOURS	28.0	HOURS			

BIT RECORD												Dull Bit Condition	
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R	
12	12 1/4"	HTC	ATM33D	5 3 7	K59BW	2220	2249	29	13.5	2.15	1x14,2x16	In Hole	

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
16	5	15	110	130	2271	600	14134	2050	6 1/2"	6 1/2"	60	60	
96 RPM at motor with 600 GPM													
Drag (tonnes)		Torque (amps)		Hydraulics									
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{max}	P _{max}	DC x OH	DP x OH	
16	120	117		200	170	353	666	3.00	53	1006	55	36	

BOP Test:	16/9/94	DRILLS					GEOLOGY				
Function:	16/9/94	F/Abn	MOB	Pit	Trip		Lithology		T/Gas	C/Gas	BC/Gas
Rig Inspect:	11/9/94	11/09/94	28/8/94	17/09/94	17/9/94		Limestone/siltstone		2.43%	0.00%	0.22%
Last LTA:	27/03/94					Last incident:	16/06/94				

WORKBOATS	LOCATION	ETA	COMMENTS
ADY ELIZABETH	En-route Darwin	18:00hrs	18 Sept. 1994
ADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	800	1145	1113	3058	
Montonite (sacks)	350	0	995	1345	
ment (sacks)	2000	0	0	2000	
Pot water (tonne)	138	50	203	391	
Drill water (tonne)	213	100	381	694	
oil (litres)	141,000	127,400	147,500	415,900	
fuel (litres)	990		0	4790	
Fuel last 24 hrs (litres)	14000	2200	3800	20000	Daily fuel cost: \$11,920

AILY MUD COST:	\$6,559	CUM MUD COST:	\$246,111	VARIABLE DECK LOAD(T):	1930
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PERSONEL ON RIG:									
R & B	44	TOC	5	SERVICE	9	OTHER	0	TOTAL	58
ELICOPTER FLIGHTS TO RIG : 1 PAX ON: 1 PAX OFF: 0									
eight: 3 x rock bits									
OIM:-	J.Lafleur	GEOLOGIST:-	M.Adamson.	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	S.Nowc		

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		11:00	23:00	Bit Run	16	Bit Run		Depth:		
Back		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		35.0	Mud wt. SG	1.07	1.07	12 1/4" Bit	0.29				<-40->	
Drilling	24.0	436.5	Funnel Vis	46	48	8 " PDM	8.43				<-50->	
Leaming		24.5	PV/YP	15/22	16/24	1 x 8 1/4" dc	9.44				<-60->	
Circ. & cond.		28.5	Gels	6/21	6/17	12 1/4" Stab	2.07					
Trips		113.0	API W/L	7.0	6.5	1x 8 1/4"dc	9.47					
Survey		4.0	Cake (mm)	1.0	1.0	12 1/4" Stab	1.98					
Electric logging		9.0	Sulfite (mg/l)	100.0	100.0	3 x 8 1/4" dc	28.05					
Casing		35.0	Pf/Mf	0.2/1.28	0.3/1.4	12 1/4" Stab	1.69					
Cement		25.5	KCl %	3.0	2.9	6 x 8 1/4"dc	56.27					
N/U test BOP		64.0	Cl (ppm)	26500	24000	Jars	9.70					
Rig main/repair		13.0	K (ppm)	15710	15180	1 x 8 1/4" dc	9.37					
Coring			Tot. hardness mg/l	560	360	X/Over	0.89					
Weather			pH	8.5	9.2	12x HWDP	112.46					
OST			Solids %	4.5	4.5							
' & A			Water %	95.5	95.5		250.11	TOTAL				
Drilling		8.5	Sand %	0.10	0.10	JAR	Dailey	JAR				
Other		32.0	MBT(ppb)	8.5	9.2	SER No.	1585-1004	SER No				
Total	24.0	855.5	PHPA (ppb)			HOURS	52.0	HOURS				

BIT RECORD

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	Dull Bit Condition	
12	12 1/4"	HTC	ATM33D	5 3 7	K59BW	2220	2318	98	37.5	2.61	1x14,2x16	In hole	

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
16	15	20	125	135	2271	600	14134	2210	6 1/2"	6 1/2"	60	60		
	96 RPM at motor with 600 GPM													
Run #	Drag (tonnes)			Torque (amps)			Hydraulics				AV m/min			
No	Up	Down	Rot	Max	Off Btm		HHP	Impact Force	HSI	%P _{hit}	P _{hit}	DC x OH		DP x OH
16	120	116		400	200		353	723	3.00	48	1006	55		36

BOP Test:	16/9/94	DRILLS					GEOLOGY					
Function:	16/9/94	F/Abn	MOB	Pit	Trip		Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	11/9/94	18/09/94	28/8/94	18/09/94	17/09/94		Limestone		-	0.00%	0.22%	0.40%

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
ADY ELIZABETH	Darwin		
ADY PENELOPE	Standby at rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
arite (sacks)	800	1145	1113	3058	
entonite (sacks)	350	0	995	1345	
Cement (sacks)	2000	0	0	2000	
ot water (tonne)	120	25	199	344	
rill water (tonne)	206	86	381	673	
Fuel (litres)	129,000	117,300	146,500	392,800	
Helifuel (litres)	990		0	990	
uel last 24 hrs (litres)	12000	10100	1000	23100	Daily fuel cost: \$13,768

DAILY MUD COST:	\$12,479	CUM MUD COST:	\$258,590	VARIABLE DECK LOAD(T):	1863
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PERSONEL ON RIG:					
& B	44	TOC	4	SERVICE	8
				OTHER	0
				TOTAL	56

ELICOPTER FLIGHTS TO RIG :	1	PAX ON:	0	PAX OFF:	2
Freight: 1 x 12 1/4" bit and stab, 9 5/8" ECP					

IM:-	J.Lafleur	GEOLOGIST:-	M.Adamson.	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	S.Nowe
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Lig move		25.5		11:00	23:00	Bit Run	16	Bit Run		Depth:	2393m	
acking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		35.0	Mud wt. SG	1.07	1.07	12 1/4" Bit	0.29			300	<-40->	290
Drilling	23.5	460.0	Funnel Vis	47	44	8" PDM	8.43			375	<-50->	400
Learning		24.5	PV/YP	17/21	15/21	1 x 8 1/4" dc	9.44			500	<-60->	500
irc. & cond.		28.5	Gels	5/12	5/15	12 1/4" Stab	2.07					
Trips		113.0	API W/L	6.6	6.5	1x 8 1/4"dc	9.47					
Survey		4.0	Cake (mm)	1.0	1.0	12 1/4" Stab	1.98					
Electric logging		9.0	Sulfite (mg/l)	100.0	100.0	3 x 8 1/4" dc	28.05					
asing		35.0	Pf/Mf	0.25/1.35	0.22/1.24	12 1/4" Stab	1.69					
Cement		25.5	KCl %	3.0	2.8	6 x 8 1/4"dc	56.27					
N/U test BOP		64.0	Cl (ppm)	24000	23000	Jars	9.70					
Lig main/repair	0.5	13.5	K (ppm)	15710	14660	1 x 8 1/4" dc	9.37					
oring			Tot. hardness mg/l	280	300	X/Over	0.89					
Weather			pH	8.8	8.6	12x HWDP	112.46					
OST			Solids %	4.5	4.5							
' & A			Water %	95.5	95.5		250.11	TOTAL				
rishing		8.5	Sand %	0.15	tr	JAR	Dailey	PDM	Sperry Sun	PDM		
Other		32.0	MBT(ppb)	9.0	10.0	SER No.	1585-1004	SER No	800-048	SER No		
Total	24.0	879.5	PHPA (ppb)	0.3	0.3	HOURS	75.5	HOURS	61.0	HOURS		

BIT RECORD

Dull Bit Condition

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
12	12 1/4"	HTC	ATM33D	5 3 7	K59BW	2220	2401	181	61	2.96	1x14,2x16	In hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
16	18	20	105	150	2271	600	14134	2210	6 1/2"	6 1/2"	60	60		
			96 rpm at motor with 600 gpm											
Run #	Drag (tonnes)			Torque (amps)			Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm		HHP	Impact Force	HSI	%P _{bit}	P _{bit}	DC x OH	DP x OH	
16	123	118		500	200		353	748	3.00	47	1006	55	36	

ROP Test:	16/09/94	DRILLS					GEOLOGY				
unction:	16/09/94	F/Abn	MOB	Pit	Trip		Lithology	T/Gas	C/Gas	BG/Gas	MGU
rig Inspect:	11/09/94	18/09/94	28/8/94	19/09/94	17/9/94		Limestone	-	0.00%	0.10%	0.40%

Last LTA:	27/03/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Standby at rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
arite (sacks)	800	1145	1113	3058	
Bentonite (sacks)	250	0	995	1245	
ement (sacks)	2000	0	0	2000	
ot water (tonne)	174	50	125	349	
Drill water (tonne)	280	100	185	565	
Fuel (litres)	156,000	117,300	106,500	379,800	
eliefuel (litres)	990		0	990	
uel last 24 hrs (litres)	11000	0	2000	13000	Daily fuel cost: \$7,748

DAILY MUD COST:	\$7,049	CUM MUD COST:	\$265,638	VARIABLE DECK LOAD(T):	2044
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PERSONEL ON RIG:					
K & B	44	T O C	4	SERVICE	8
				OTHER	0
				TOTAL	56

ELICOPTER FLIGHTS TO RIG :	1	PAX ON:	12	PAX OFF:	12
eight:					

OIM:-	J.Lafleur	GEOLOGIST:-	M.Adamson.	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	S.Nowe
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Lig move		25.5		11:00	23:00	Bit Run	16	Bit Run		Depth:	2393m	
acking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		35.0	Mud wt. SG	1.07	1.07	12 1/4" Bit	0.29			300	<-40->	290
Drilling	23.0	483.0	Funnel Vis	48	45	8" PDM	8.43			375	<-50->	400
teaming		24.5	PV/YP	18/22	17/21	1 x 8 1/4" dc	9.44			500	<-60->	500
irc. & cond.		28.5	Gels	5/16	5/17	12 1/4" Stab	2.07					
Trips		113.0	API W/L	6.6	6.5	1 x 8 1/4" dc	9.47					
urvey		4.0	Cake (mm)	1.0	1.0	12 1/4" Stab	1.98					
lectric logging		9.0	Sulfite (mg/l)	100.0	100.0	3 x 8 1/4" dc	28.05					
Casing		35.0	Pf/Mf	0.22/1.1	0.2/1.08	12 1/4" Stab	1.69					
Cement		25.5	KCl %	3.2	3.0	6 x 8 1/4" dc	56.27					
U test BOP		64.0	Cl (ppm)	22000	21000	Jars	9.70					
Lig main/repair	1.0	14.5	K (ppm)	16760	15710	1 x 8 1/4" dc	9.37					
Coring			Tot. hardness mg/l	200	160	X/Over	0.89					
Weather			pH	9.0	8.8	12x HWDP	112.46					
OST			Solids %	4.7	4.7							
' & A			Water %	95.3	95.3		250.11	TOTAL				
Fishing		8.5	Sand %	tr	tr	JAR	Dailey	PDM	Sperry Sun	PDM		
Other		32.0	MBT(ppb)	9.0	10.0	SER No.	1585-1004	SER No	800-048	SER No		
Total	24.0	903.5	PHPA (ppb)	0.3	0.3	HOURS	98.5	HOURS	84.0	HOURS		

BIT RECORD

Dull Bit Condition

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
12	12 1/4"	HTC	ATM33D	5 3 7	K59BW	2220	2475	255	84	3.04	1x14,2x16	In hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
16	16	20	135	150	2271	600	15513	2250	6 1/2"	6 1/2"	60	60		
Run #	Drag (tonnes)			Torque (amps)			Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm		HHP	Impact Force	HSI	%P _{bk}	P _{bk}	DC x OH	DP x OH	
16	127	120		500	210		353	762	3.00	46	1007	55	36	

IOP Test:	16/09/94	DRILLS					GEOLOGY				
unction:	16/09/94	F/Abn	MOB	Pit	Trip		Lithology	T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	11/09/94	18/09/94	28/8/94	20/09/94	17/09/94		Limestone	-	0.00%	0.12%	0.16%

Last LTA:	20/09/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	800	1145	1113	3058	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	2000	0	0	2000	
Hot water (tonne)	156	50	121	327	
Drill water (tonne)	243	100	185	528	
Fuel (litres)	143,000	116,300	105,000	364,300	
Helifuel (litres)	990		0	990	
Fuel last 24 hrs (litres)	13000	1000	1500	15500	Daily fuel cost: \$9,238

DAILY MUD COST:	\$529	CUM MUD COST:	\$266,167	VARIABLE DECK LOAD(T):	1938
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PERSONEL ON RIG:					
R & B	43	T O C	4	SERVICE	13
				OTHER	0
				TOTAL	60

HELICOPTER FLIGHTS TO RIG :	2	PAX ON:	5	PAX OFF:	1
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Freight:

MEDIVAC: P.Thomas (Floorman) - badly cut finger.

DIM:- J.Lafleur GEOLOGIST:- M.Adamson. DRLG ENG:- G.Rowlands DRLG SUPV:- S.Nowe

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
ig move		25.5		11:00	23:00	Bit Run	17	Bit Run		Depth:	2393m	
icking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		35.0	Mud wt. SG	1.08	1.07	12 1/4"Bit	0.30			300	<-40->	290
Drilling	14.0	497.0	Funnel Vis	46	45	8 " PDM	8.43			375	<-50->	400
earming	0.5	25.0	PV/YP	18/22	17/20	1 x 8 1/4" dc	9.44			500	<-60->	500
Circ. & cond.		28.5	Gels	6/20	5/20	12 1/4" Stab	2.07					
Trips	8.5	121.5	API W/L	6.7	6.8	1x 8 1/4"dc	9.47					
urvey	0.5	4.5	Cake (mm)	1.0	1.0	12 1/4" Stab	1.98					
lectric logging		9.0	Sulfite (mg/l)	100.0	80.0	3 x 8 1/4" dc	28.05					
Casing		35.0	Pf/Mf	.25/1.05	.22/1.02	12 1/4" Stab	1.69					
Cement		25.5	KCl %	3.1	3.1	6 x 8 1/4"dc	56.27					
I/U test BOP		64.0	Cl (ppm)	20000	20000	Jars	9.70					
rig main/repair	0.5	15.0	K (ppm)	16230	16230	1 x 8 1/4" dc	9.37					
Coring			Tot. hardness mg/l	100	100	X/Over	0.89					
Weather			pH	8.8	8.7	12x HWDP	112.46					
IST			Solids %	5.0	4.7							
P & A			Water %	95.0	95.3		250.12	TOTAL				
Fishing		8.5	Sand %	tr	tr	JAR	Dailey	PDM	Sperry Sun	PDM		
ther		32.0	MBT(ppb)	11.0	11.0	SER No.	1585-1004	SER No	800-048	SER No		
Total	24.0	927.5	PHPA (ppb)	0.3	0.3	HOURS	112.5	HOURS	108.0	HOURS		

BIT RECORD												Dull Bit Condition			
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth Out	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L
12	12 1/4"	HTC	ATM33D	5 3 7	K59BW	2220	2500	280	93.5	3.00	1x14,2x16	4	5	BT	H23
13	12 1/4"	SMTH	MF27D	5 2 7	NC0029	2500	2508	8	4.5	1.80	2x14,1x16	F	1	WT	PR

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
17	18	20	120	145	2271	600	15513	2400	6 1/2"	6 1/2"	60	60	
Run #		Drag (tonnes)		Torque (amps)		Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{hm}	P _{hm}	DC x OH	DP x OH	
17	128	123		250	210	425	1087	3.60	51	1212	55	36	

ROP Test:	16/09/94	DRILLS				GEOLOGY						
Function:	16/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU	
Rig Inspect:	19/09/94	18/09/94	28/08/94	21/09/94	21/09/94	Limestone		-	0.00%	0.19%	0.33%	

Last LTA:	20/09/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Standby at rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	800	1145	1113	3058	Fuel consumption on LP incorrectly stated
Bentonite (sacks)	250	0	995	1245	by LP on Report 38 - should have been 500 litres
Cement (sacks)	2000	0	0	2000	corrected on this report.
Pot water (tonne)	137	50	117	304	
Drill water (tonne)	198	100	185	483	
Fuel (litres)	133,000	127,400	105,500	365,900	
eliefuel (litres)	990		0	990	
Fuel last 24 hrs (litres)	10000	0	0	10000	Daily fuel cost: \$5,960

DAILY MUD COST:	\$4,157	CUM MUD COST:	\$270,323	VARIABLE DECK LOAD(T):	1887
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PERSONEL ON RIG:					
R & B	43	T O C	4	SERVIC	13
				OTHER	0
				TOTAL	60

HELICOPTER FLIGHTS TO RIG :	-	PAX ON:	-	PAX OFF:	-
Freight:					

OIM:-	J.Lafleur	GEOLOGIST:-	M.Adamson.	DRILL ENG:-	G.Rowlands	DRILL SUPV:-	S.Nowe
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.
DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		11:00	23:00	Bit Run	17	Bit Run		Depth:	2517m	
Jacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		35.0	Mud wt. SG	1.08	1.07	12 1/4"Bit	0.30			275	<-30->	275
Drilling	22.5	519.5	Funnel Vis	50	45	8 " PDM	8.43			425	<-40->	425
Reaming		25.0	PV/YP	20/23	18/23	1 x 8 1/4" dc	9.44			500	<-50->	500
Circ. & cond.	1.5	30.0	Gels	5/17	5/20	12 1/4" Stab	2.07					
Trips		121.5	API W/L	6.8	6.4	1x 8 1/4"dc	9.47					
Survey		4.5	Cake (mm)	1.0	1.0	12 1/4" Stab	1.98					
Electric logging		9.0	Sulfite (mg/l)	100.0	100.0	3 x 8 1/4" dc	28.05					
Casing		35.0	Pf/Mf	0.32/1.13	0.35/1.15	12 1/4" Stab	1.69					
Cement		25.5	KCl %	3.0	3.2	6 x 8 1/4"dc	56.27					
N/U test BOP		64.0	Cl (ppm)	20500	20000	Jars	9.70					
Rig main/repair		15.0	K (ppm)	15710	16760	1 x 8 1/4" dc	9.37					
Coring			Tot. hardness mg/l	80	60	X/Over	0.89					
Weather			pH	9.3	9.3	12x HWDP	112.46					
DST			Solids %	5.0	4.7							
P & A			Water %	95.0	95.3		250.12	TOTAL				
Fishing		8.5	Sand %	tr	tr	JAR	Dailey	PDM	Sperry Sun	PDM		
Other		32.0	MBT(ppb)	11.0	11.0	SER No.	1585-1004	SER No	800-048	SER No		
Total	24.0	951.5	PHPA (ppb)	0.3	0.3	HOURS	135.0	HOURS	130.5	HOURS		

BIT RECORD										Dull Bit Condition		
Bit #	Size	Make	Type	LADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
13	12 1/4"	SMITH	MF27D	5 2 7	NC0029	2500	2560	60	27	2.22	2x14,1x16	In hole

Run #	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks
	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
17	20	22	120	140	2271	600	15513	2400	6 1/2"	6 1/2"	60	60	

Run #	Drag (tonnes)			Torque (amps)		Hydraulics					AV m/min	
	No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{ht}	P _{ht}	DC x OH
17	129	123			220	210	425	1089	3.60	50	1212	55

BOP Test:	16/09/94	DRILLS				GEOLOGY						
Function:	16/09/94	F/Abn	MOB	Pit	Trip	Lithology			T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	19/09/94	18/09/94	28/08/94	22/09/94	21/09/94	Calc. Siltstone/Claystone			-	0.00%	0.49%	4.44%

Last LTA:	20/09/94	Last incident:	16/06/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	800	1145	1113	3058	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	2000	0	0	2000	
Pot water (tonne)	117	50	117	284	
Drill water (tonne)	154	100	185	439	
Fuel (litres)	121,000	115,600	105,000	341,600	
Helifuel (litres)	990		0	990	
Fuel last 24 hrs (litres)	12000	700	500	13200	Daily fuel cost: \$7,867

DAILY MUD COST:	\$3,677	CUM MUD COST:	\$274,000	VARIABLE DECK LOAD(T):	1784
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PERSONEL ON RIG:					
R & B	47	T O C	4	SERVICE	13
				OTHER	0
				TOTAL	64

HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	14	PAX OFF:	10
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Freight:	
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OIM:-	J.Lafleur	GEOLOGIST:-	M.Adamson.	DRLG ENG:-	G.Rowlands	DRLG SUPV:-	S.Nowe
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DAILY DRILLING REPORT

RIG POSITION:	Latitude: 14deg 34mins.24.204sec.S (AGD 66/67)			Longitude: 129deg.25mins.17.253secsE		
Rotary to Seabed:	67m	Air Gap to MSL:	7.23m (13mLAT	Rig Heading:	007.3 deg.	
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m			

Operations Summary 0000-0600 hrs:			Date: 24/09/94
0:00	3:30	3.50	Completed running l.og #2 (LDL, CNL, NGS, EPT, AMS)
3:30	6:00	2.50	Prepared & ran l.og #3 (SHDT, GR, AMS)

SURVEYS

Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type
AFE No.	SBD	Daily Cost:		\$294,812		Drilling Superintendent:		Approved:		F.D.Barker	
		Cumulative Cost:		\$6,228.083							

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		9:30	22:00	Bit Run	17	Bit Run		Depth:		
Jacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		35.0	Mud wt. SG	1.08	1.08	12 1/4" Bit	0.30				<-30->	
Drilling		519.5	Funnel Vis	45	45	8 " PDM	8.43				<-40->	
Reaming		25.0	PV/YP	18/23	19/22	1 x 8 1/4" dc	9.44				<-50->	
Circ. & cond.	3.0	33.0	Gels	5/18	4/15	12 1/4" Stab	2.07					
Trips	10.5	132.0	API W/L	6.2	6.0	1x 8 1/4"dc	9.47					
Survey		4.5	Cake (mm)	1.0	1.0	12 1/4" Stab	1.98					
Electric logging	10.5	19.5	Sulfite (mg/l)	80.0	80.0	3 x 8 1/4" dc	28.05					
Casing		35.0	Pf/Mf	0.35/1.3	0.3/1.2	12 1/4" Stab	1.69					
Cement		25.5	KCl %	3.2	3.0	6 x 8 1/4"dc	56.27					
N/U test BOP		64.0	Cl (ppm)	21000	21000	Jars	9.70					
Rig main/repair		15.0	K (ppm)	16760	15710	1 x 8 1/4" dc	9.37					
Coring			Tot. hardness mg/l	60	60	X/Over	0.89					
Weather			pH	9.1	9.0	12x HWDP	112.46					
DST			Solids %	5.2	5.0							
P & A			Water %	94.8	95.0	TOTAL	250.12	TOTAL	0.00			
Fishing		8.5	Sand %	tr	tr	JAR	Daily	PDM	Sperry Sun	PDM		
Other		32.0	MBT(ppb)	10.5	10.0	SER No.	1585-1004	SER No	800-048	SER No		
Total	24.0	975.5	PHPA (ppb)	0.3	0.2	HOURS	135.0	HOURS	130.5	HOURS		

BIT RECORD												Dull Bit Condition			
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth out	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L B G O R
13	12 1/4	SMITH	MF27D	5 2 7	NC0029	2500	2560	60	27	2.22	14, 14, 16	2	2	WT	A E 0 No TD

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
17	20	22	120	140	2271	600	16548	2400	6 1/2"	6 1/2"	60	60	
Drag (tonnes)		Torque (amps)		Hydraulics		AV m/min							
No	Up	Down	Rot	Max	Off Btm	HHP	Impact Force	HSI	%P _{max}	P _{max}	DC x OH	DP x OH	
17	128	125	127	220	210	425	1089	3.61	51	1212	55	36	

BOP Test:	16/09/94	DRILLS				GEOLOGY				
Function:	16/09/94	F/Abn	MOB	Pit	Trip	Lithology	T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	19/09/94	18/09/94	28/08/94	22/09/94	23/09/94		2.85%	-	-	-

Last LTA:	20/09/94	Last incident:	23/09/94
WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	800	1145	1113	3058	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	2000	0	0	2000	
Pot water (tonne)	100	237	109	446	
Drill water (tonne)	145	629	185	959	
Fuel (litres)	113,000	215,000	104,500	432,500	
Helifuel (litres)	687	0	0	687	
Fuel last 24 hrs (litres)	8000	12400	500	20900	Daily fuel cost: \$12,456

DAILY MUD COST:	\$61	CUM MUD COST:	\$274,061	VARIABLE DECK LOAD(T):	1746
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PERSONEL ON RIG:					
R & B	45	TOC	4	SERVICE	17
OTHER	0	TOTAL	66		
HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	14	PAX OFF:	12
Freight: Despatched - 4 boxes to Geoservices & 1 Anspak to TOC					
OIM:-	J.La Fleur	GEOLOGIST:-	M.Adamson.	DRLG ENG:-	V. Tilley
		DRLG SUPV:-	H. Flink		

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		21:00	Bit Run	19	Bit Run		Depth:		
Jacking		1.5	Mud type	kc/pha	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		35.0	Mud wt. SG	1.08	12 1/4" Bit	0.30				<-30->	
Drilling		519.5	Funnel Vis	45	Bit sub	0.91				<-40->	
Reaming		25.0	PV/YP	18/20	2 x 8" DC	18.91				<-50->	
Circ. & cond.	2.0	35.0	Gels	5/18	12 1/4" Stab	2.07					
Trips	6.5	138.5	API W/L	5.6	1x 8 1/4" DC	9.25					
Survey		4.5	Cake (mm)	1.0	12 1/4" Stab	1.98					
Electric logging	14.5	34.0	Sulfite (mg/l)	80.0	3 x 8 1/4" DC	28.24					
Casing		35.0	Pf/Mf	0.2/1.2	12 1/4" Stab	1.69					
Cement		25.5	KCl %	3.3	6 x 8 1/4" DC	46.83					
N/U test BOP		64.0	Cl (ppm)	23000	Jars	9.70					
Rig main/repair	1.0	16.0	K (ppm)	17280	1 x 8 1/4" DC	9.37					
Coring			Tot. hardness mg/l	60	X/Over	0.89					
Weather			pH	8.9	12x HWDP	112.46					
DST			Solids %	5.0							
P & A			Water %	95.0	TOTAL	242.60	TOTAL	0.00			
Fishing		8.5	Sand %	tr	JAR	Dailey	PDM				
Other		32.0	MBT(ppb)	10.0	SER No.	1585-1004	SER No				
Total	24.0	999.5	PHPA (ppb)	0.3	HOURS	135.0	HOURS				

BIT RECORD											Dull Bit Condition			
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth out	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R		
RR(13)	12 1/4	SMITH	MF27D	5 2 7	NC0029	2560	2560	0	0		14, 14, 16	2 2 WT A E 0 No TD		

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
19	-	-	-	-	2271	600	15245	2211	6 1/2"	6 1/2"	60	60			
Run #	Drag (tonnes)			Torque (amps)		Hydraulics							AV m/min		
No	Up	Down	Rot	Max	Off Btm	TFA	HHP	Impact Force	HSI	%P _{ht}	P _{ht}	DC x OH	DP x OH		
19	126	126	126	-	175	0.497	423	1084	3.59	55	1208	55	36		

BOP Test:	16/09/94	DRILLS				GEOLOGY					
Function:	16/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	19/09/94	18/09/94	28/08/94	22/09/94	24/09/94			2.62%	-	-	-

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1760	1145	100	3005	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	2000	0	0	2000	
Pot water (tonne)	97	219	52	368	
Drill water (tonne)	282	629	0	911	
Fuel (litres)	131,000	208,000	78,000	417,000	
Helifuel (litres)	687	1000	0	1687	
Fuel last 24 hrs (litres)	7000	7000	1500	15500	Daily fuel cost: \$9,238

DAILY MUD COST:	\$61	CUM MUD COST:	\$274,122	VARIABLE DECK LOAD(T):	1940
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PERSONEL ON RIG:					
R & B	45	T O C	4	SERVICE	17
				OTHER	0
				TOTAL	66

HELICOPTER FLIGHTS TO RIG :	-	PAX ON:	-	PAX OFF:	-
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Freight:	
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OIM:-	J.La Fleur	GEOLOGIST:-	M.Adamson.	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		22:00		Bit Run		Bit Run		Depth:	
Jacking		1.5	Mud type	kcl/phpa		Descr.	Length	Desc.	Length	#1	S P R
P/U-L/D BHA		35.0	Mud wt. SG	1.08							<-30->
Drilling		519.5	Funnel Vis	45							<-40->
Reaming		25.0	PV/YP	18/20							<-50->
Circ. & cond.		35.0	Gels	5/15							
Trips	2.5	141.0	API W/L	5.6							
Survey		4.5	Cake (mm)	1.0							
Electric logging	21.5	55.5	Sulfite (mg/l)	80.0							
Casing		35.0	Pf/Mf	0.2/1.2							
Cement		25.5	KCl %	3.3							
N/U test BOP		64.0	Cl (ppm)	22000							
Rig main/repair		16.0	K (ppm)	17280							
Coring			Tot. hardness mg/l	60							
Weather			pH	8.9							
DST			Solids %	5.0							
P & A			Water %	95.0		---	---	TOTAL	0.00		
Fishing		8.5	Sand %	tr		JAR		PDM		PDM	
Other		32.0	MBT(ppb)	10.0		SER No.		SER No		SER No	
Total	24.0	1023.5	PHPA (ppb)	0.3		HOURS		HOURS		HOURS	

BIT RECORD												Dull Bit Condition							
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth out	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L	B	G	O	R

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
									6 1/2"	6 1/2"			
Run #	Drag (tonnes)			Torque (amps)		Hydraulics					AV m/min		
No	Up	Down	Rot	Max	Off Btm	TFA	HHP	Impact Force	HSI	%P _{ht}	P _{ht}	DC x OH	DP x OH

BOP Test:	16/09/94	DRILLS				GEOLOGY				
Function:	16/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas
Rig Inspect:	19/09/94	26/09/94	28/08/94	22/09/94	26/09/94			-	-	-

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1760	1145	100	3005	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	2000	0	0	2000	
Pot water (tonne)	80	213	48	341	
Drill water (tonne)	270	629	0	899	
Fuel (litres)	126,000	207,500	77,500	411,000	
Helifuel (litres)	687	1000	0	1687	
Fuel last 24 hrs (litres)	5000	500	500	6000	Daily fuel cost: \$3,576

DAILY MUD COST:	Nil	CUM MUD COST:	\$274,122	VARIABLE DECK LOAD(T):	1862
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PERSONEL ON RIG:										
R & B	45	TOC	4	SERVICE	17	OTHER	0	TOTAL	66	
HELICOPTER FLIGHTS TO RIG :		-	PAX ON:		-	PAX OFF:		-		
Freight:										
OIM:-	J.La Fleur	GEOLOGIST:-		M.Adamson.	DRLG ENG:-		V. Tilley	DRLG SUPV:-		H. Flink

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		22:00	Bit Run	21	Bit Run	20	Depth:		
Jacking		1.5	Mud type	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		35.0	Mud wt. SG	1.08	Bit 12 1/4"	0.30	Bit 12 1/4"	0.30		<-30->	
Drilling		519.5	Funnel Vis	45	NB Stab	1.83	NB Stab	1.83		<-40->	
Reaming	0.5	25.5	PV/YP	18/20	8 1/4" DC	9.44	8 1/4" DC	9.44		<-50->	
Circ. & cond.	3.0	38.0	Gels	5/15	Stab	2.07	Stab	2.07			
Trips	11.0	152.0	API W/L	5.6	2x 8 1/4 DC	18.72	2x 8 1/4 DC	18.72	Bit Run	20	
Survey		4.5	Cake (mm)	1.0	Stab	1.98	Stab	1.98	X/O	1.28	
Electric logging	9.5	65.0	Sulfite (mg/l)	80.0	3x8 1/4" DC	28.24	3x8 1/4" DC	28.24	Scraper	1.57	
Casing		35.0	Pf/Mf	0.2/1.2	Stab	1.69	Stab	1.69	Bit sub	0.91	
Cement		25.5	KCl %	3.3	5x8 1/4" DC	46.83	5x8 1/4" DC	46.83	X/O	0.79	
N/U test BOP		64.0	Cl (ppm)	22000	Jars	9.70	Jars	9.70			
Rig main/repair		16.0	K (ppm)	17280	8 1/4" DC	9.37	8 1/4" DC	9.37			
Coring			Tot. hardness mg/l	60	X/O	0.89	X/O	0.89			
Weather			pH	8.9	12 HWDP	112.46	12 HWDP	112.46			
DST			Solids %	5.0			X/O pin/pin	0.78			
P & A			Water %	95.0	TOTAL	243.52	TOTAL	---	TOTAL	248.85	
Fishing		8.5	Sand %	tr	JAR	Daily	PDM		PDM		
Other		32.0	MBT(ppb)	10.0	SER No.	1585-1004	SER No		SER No		
Total	24.0	1047.5	PHPA (ppb)	0.3	HOURS	135.0	HOURS		HOURS		

BIT RECORD										Dull Bit Condition		
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
RR(13)	12 1/4	SMITH	MF27D	5 2 7	NC0029	2560	2560	0			14, 14, 16	2 2 WT A E 0 No TD

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
21	1	2	80	100	2460	650	14480	2100	6 1/2"	6 1/2"	65	65		
Run #	Drag (tonnes)			Torque (amps)		Hydraulics						AV m/min		
No	Up	Down	Rot	Max	Off Btm	TFA	HHP	Impact Force	HSI	%P _{skt}	P _{skt}	DC x OH	DP x OH	
21	126	126	126	600	200	0.497	538	1272	4.56	68	1418	55	36	

BOP Test:	16/09/94	DRILLS				GEOLOGY					
Function:	16/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	26/09/94	26/09/94	28/08/94	22/09/94	26/09/94			5.76%	-	-	-

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1630	1145	0	2775	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	2000	0	0	2000	
Pot water (tonne)	175	103	44	322	
Drill water (tonne)	309	588	0	897	
Fuel (litres)	118,000	206,000	76,800	400,800	
Helifuel (litres)	687	1000	0	1687	
Fuel last 24 hrs (litres)	8000	1500	700	10200	Daily fuel cost: \$6,079

DAILY MUD COST:	\$2,119	CUM MUD COST:	\$276,241	VARIABLE DECK LOAD(T):	2006
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PERSONEL ON RIG:											
R & B	43	T O C	3	SERVICE	17	OTHER	0	TOTAL	63		
HELICOPTER FLIGHTS TO RIG :		1	PAX ON:		10	PAX OFF:		13			
Freight:											
OIM:-	J. La Fleur	GEOLOGIST:-		M. Adamson.	DRLG ENG:-		V. Tilley	DRLG SUPV:-		H. Flink	

DAILY DRILLING REPORT

AFE No.	Daily Cost:	\$368,750	Drilling Superintendent:	Approved:	F.D.Barker
	Cumulative Cost:	\$7,172,105			

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
ig move		25.5		10:00	Bit Run		Bit Run		Depth:		
acking		1.5	Mud type	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		35.0	Mud wt. SG	1.08						<30>	
Drilling		519.5	Funnel Vis	45						<40>	
Learning		25.5	PV/YP	18/20						<50>	
Circ. & cond.		38.0	Gels	5/15							
Trips	3.0	155.0	API W/L	6.0							
urvey		4.5	Cake (mm)	1.0							
lectric logging		65.0	Sulfite (mg/l)	80.0							
Casing	14.5	49.5	Pf/Mf	0.2/1.2							
Cement	6.5	32.0	KCl %	3.3							
I/U test BOP		64.0	Cl (ppm)	23000							
ig main/repair		16.0	K (ppm)	172800							
Coring			Tot. hardness mg/l	60							
Veather			pH	8.7							
OST			Solids %	5.0							
P & A			Water %	95.0	—>>	—>>	TOTAL	0.00			
Fishing		8.5	Sand %	tr	JAR		PDM		PDM		
ther		32.0	MBT(ppb)	10.0	SER No.		SER No		SER No		
Total	24.0	1071.5	PHPA (ppb)	0.3	HOURS		HOURS		HOURS		

BIT RECORD											Dull Bit Condition	
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
Run #	Drag (tonnes)			Torque (amps)		Hydraulics						AV m/min		
No	Up	Down	Rot	Max	Off Btn	TFA	HHP	Impact Force	HSI	%P _{hit}	P _{hit}	DC x OH	DP x OH	

BOP Test:	16/09/94	DRILLS				GEOLOGY					
unction:	16/09/94	F/Abn	MOB	Pit	Trip	Lithology				T/Gas	C/Gas
lig Inspect:	26/09/94	26/09/94	28/08/94	22/09/94	26/09/94					2.52%	-

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	Standby at rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
barite (sacks)	1630	1145	0	2775	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
ot water (tonne)	155	97	40	292	
Drill water (tonne)	270	588	0	858	
Fuel (litres)	109,000	205,500	76,300	390,800	
Helifuel (litres)	687	1000	0	1687	
uel last 24 hrs (litres)	9000	500	500	10000	Daily fuel cost: \$5,960

DAILY MUD COST:	NIL	CUM MUD COST:	\$276,241	VARIABLE DECK LOAD(T):	1749
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PERSONEL ON RIG:					
l & B	43	TO C	3	SERVICE	17
				OTHER	0
				TOTAL	63

HELICOPTER FLIGHTS TO RIG :	0	PAX ON:	0	PAX OFF:	0
Freight:					

JIM:-	J.La Fleur	GEOLOGIST:-	M.Adamson.	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	2560m	Report Number:	46
Permit No:	EP-32	Last Csg:	9 5/8"	Report Date:	28/09/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	2543m	Days on Location:	45
Contractor:	Reading & Bates	FLOT:		Days Since Spud:	44
				Progress Last 24hrs:	0m

RIG POSITION:	Latitude: 14deg 34mins.24.204sec.S (AGD 66/67)			Longitude: 129deg.25mins.17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23m (13mLAT)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	28/09/94
0:00	0:30	0.50	Displaced cement with 500 bbls S/W. Bumped plug and closed DV collar with 1200 psi. Pressured up to 1800 psi/5min		
			Bled off - checked for back flow - OK		
0:30	8:30	8.00	Waited on cement. Prepared BOP for nipple down		
8:30	10:30	2.00	Lifted BOP. Set 9 5/8" slips with 85t casing tension. Rough cut casing & laid out same. Rigged down casing running tools.		
10:30	11:30	1.00	Final cut 9 5/8" casing		
11:30	13:30	2.00	Nippled up C-Section. Energised pack off & pressure tested ring gasket / seal assembly to 3300 psi		
13:30	16:00	2.50	Nippled up 13 5/8" 10,000 psi BOP		
16:00	18:30	2.50	Laid out 12 1/4" BHA from derrick		
18:30	22:00	3.50	Pressure tested 13 5/8" BOP (Upper/Lower/Shear rams & outlet valves to 300/5000 psi - Annular to 300/3500 psi		
22:00	22:30	0.50	Installed wear bushing		
22:30	0:00	1.50	Rigged up & pressure tested surface equipment. Leak in lower kelly cock & wash pipe packing - Changed out washpipe packing.		
TOTAL		24.00			

Operations Summary 0000-0600 hrs:

Date: 29/09/94

0:00	4:30	4.50	Attempted to remove lower kelly cock -neg. Removed pipe handler and lower kelly cock. Installed spacer sub
			Tested choke manifold to 300/5000 psi. Tested stand pipe manifold to 300/5000 psi
4:30	6:00	1.50	Continued pressure testing surface equipment. Leak on wash pipe packing - changed out same.

Program next 24 hrs: Complete BOP test - RIH - Drill out 9 5/8" shoe track - Perfom LOT - Drill +/- 20m - Trip for BHA - Drill 8 1/2" hole

SURVEYS

Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type
AFE No.			Daily Cost:		\$142,122		Drilling Superintendent:		Approved:		F.D.Barker
			Cumulative Cost:		\$7,314,227						

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		22:00	Bit Run		Bit Run		Depth:		
Jacking		1.5	Mud type	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA	2.5	37.5	Mud wt. SG	1.08						<-30->	
Drilling		519.5	Funnel Vis	60						<-40->	
Reaming		25.5	PV/YP	22/26						<-50->	
Circ. & cond.		38.0	Gels	5/14							
Trips		155.0	API W/L	5.4							
Survey		4.5	Cake (mm)	1.0							
Electric logging		65.0	Sulfite (mg/l)	60.0							
Casing		49.5	Pf/Mf	0.05/0.4							
Cement	0.5	32.5	KCl %	5.0							
N/U test BOP	13.0	77.0	Cl (ppm)	35000							
Rig main/repair		16.0	K (ppm)	26180							
Coring			Tot. hardness mg/l	600							
Weather			pH	8.5							
DST			Solids %	5.0							
P & A			Water %	95.0	---	-->	---	-->	TOTAL	0.00	
Fishing		8.5	Sand %	tr	JAR		PDM		PDM		
Other WOC	8.0	40.0	MBT(ppb)	7.5	SER No.		SER No		SER No		
Total	24.0	1095.5	PHPA (ppb)	2.0	HOURS		HOURS		HOURS		

BIT RECORD											Dull Bit Condition	
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth out	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
Run #	Drag (tonnes)			Torque (amps)		Hydraulics						AV m/min		
No	Up	Down	Rot	Max	Off Btm	TFA	HHP	Impact Force	HSI	%P _{max}	P _{max}	DC x OH	DP x OH	

BOP Test:	28/09/94	DRILLS				GEOLOGY						
Function:	16/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU	
Rig Inspect:	26/09/94	26/09/94	28/08/94	22/09/94	26/09/94				-	-	-	

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	En route to Darwin	15:00	1994/9/29

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1630	1145	0	2775	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	136	91	35	262	
Drill water (tonne)	186	588	0	774	
Fuel (litres)	105,000	204,500	75,300	384,800	
Helifuel (litres)	687	1000	0	1687	
Fuel last 24 hrs (litres)	4000	1000	1000	6000	Daily fuel cost: \$3,576

DAILY MUD COST:	\$11,052	CUM MUD COST:	\$287,293	VARIABLE DECK LOAD(T):	1706
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PERSONEL ON RIG:									
R & B	43	TO C	3	SERVICE	8	OTHER	0	TOTAL	54
HELICOPTER FLIGHTS TO RIG :		1	PAX ON:	1	PAX OFF:	10			
Freight:									
OIM:-	J.La Fleur	GEOLOGIST:-	M.Adamson.	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink		

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	2560m	Report Number:	47
Permit No:	EP-32	Last Csg:	9 5/8"	Report Date:	29/09/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	2543.5m	Days on Location:	46
Contractor:	Reading & Bates	FLOT:	1.32 SG	Days Since Spud:	45
				Progress Last 24hrs:	0m

RIG POSITION:	Latitude: 14deg 34mins.24.204sec.S (AGD 66/67)			Longitude: 129deg.25mins.17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23m (13mLAT)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	29/09/94
0:00	4:30	4.50	Attempted unsuccessfully to remove lower kelly cock. Removed pipe handler and lower kelly cock. Installed spacer sub.		
			Tested choke manifold to 300/5000 psi. Tested stand pipe manifold to 300/5000 psi		
4:30	6:30	2.00	Continued pressure testing surface equipment. Leak on wash pipe packing - changed out same.		
6:30	11:00	4.50	Made up 8 1/2" drilling assembly BHA #22		
11:00	13:30	2.50	RIII BIIA on 5" drill pipe to 2115m (Picked up 30 joints DP)		
13:30	14:30	1.00	Broke circulation. Pressure tested casing to 3000 psi		
14:30	15:30	1.00	Slipped & cut drill line		
15:30	17:00	1.50	Tagged top of cement at 2116.5m. Drilled out DV collar to 2130m		
17:00	19:00	2.00	RIH to top of cement at 2517m (Drilled cement from 2517m to 2519m)		
19:00	19:30	0.50	Pressure tested casing to 4800 psi/5min		
19:30	20:30	1.00	Drilled out float collar & cement to 2540m		
20:30	21:30	1.00	Displaced hole to KCI/PHPA mud		
21:30	22:30	1.00	Drilled out shoe and cement & cleaned rathole to 2560m		
22:30	23:30	1.00	Circulated bottoms up. (Total gas 6.25%)		
23:30	0:00	0.50	Rigged up surface lines & pressure tested to 3000 psi		
TOTAL		24.00			

Operations Summary 0000-0600 hrs:

Date: 30/09/94

0:00	1:00	1.00	Performed leak off test. Leak off at 940 psi - EMG 1.32 SG (11 ppg)
1:00	1:30	0.50	Surged bottom of hole for junk
1:30	6:00	4.50	Flow checked. Pulled out of hole.

Program next 24 hrs:

SURVEYS

Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type
AFE No.			Daily Cost:		\$128,379		Drilling Superintendent:		Approved:		
			Cumulative Cost:		\$7,442,606				F.D.Barker		

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		22:00	Bit Run	22	Bit Run		Depth:		
Jacking		1.5	Mud type	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA	4.5	42.0	Mud wt. SG	1.06	Bit	0.25				<-30->	
Drilling		519.5	Funnel Vis	50	Junk Sub	1.10				<-40->	
Reaming	3.5	29.0	PV/YP	21/33	Bit sub	0.93				<-50->	
Circ. & cond.	2.0	40.0	Gels	5/8	18x6 1/2" DC	170.82					
Trips	4.5	159.5	API W/L	7.2	X/O	0.62					
Survey		4.5	Cake (mm)	1.0	Flex Jt	3.41					
Electric logging		65.0	Sulfite (mg/l)	40.0	Jars	7.13					
Casing		49.5	Pf/Mf	0.3/1.4	12 HWDP	112.46					
Cement		32.5	KCl %	4.0							
N/U test BOP	1.5	78.5	Cl (ppm)	37000							
Rig main/repair	7.5	23.5	K (ppm)	20940							
Coring			Tot. hardness mg/l	400							
Weather			pH	8.8							
DST			Solids %	4.0							
P & A			Water %	96.0	TOTAL	296.72	TOTAL	---			
Fishing		8.5	Sand %	0.20	JAR	EQ	PDM		PDM		
Other LOT	0.5	40.5	MBT(ppb)	5.0	SER No.	911346	SER No		SER No		
Total	24.0	1119.5	PHPA (ppb)	2.0	HOURS	4.5	HOURS		HOURS		

BIT RECORD												Dull Bit Condition							
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth Out	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L	B	G	O	R
14	8 1/2	REED	IIP13G	1,3,7	BJ2064	2517	2560	43	3.5	12.29	13,13,13								

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
22	2	7	60	60	1514	400	11722	1700	6 1/2	6 1/2		80	

Run #		Drag (tonnes)		Torque (amps)		Hydraulics						AV m/min	
No	Up	Down	Rot	Max	Off Btm	TFA	HHP	Impact Force	HSI	%P _{hit}	P _{hit}	DC x OH	DP x OH
22	118	118	118	300	180	0.389	201	605	3.54	51	862	100	63

BOP Test:	28/09/94	DRILLS				GEOLOGY				
Function:	16/09/94	F/Abn	MOB	Pit	Trip	Lithology	T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	26/09/94	26/09/94	28/08/94	22/09/94	29/09/94			-	-	-

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	Darwin		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1630	1145	0	2775	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	126	85	35	246	
Drill water (tonne)	169	588	0	757	
Fuel (litres)	95,000	204,000	75,300	374,300	
Helifuel (litres)	687	1000	0	1687	
Fuel last 24 hrs (litres)	10000	500	0	10500	Daily fuel cost: \$6,258

DAILY MUD COST:	\$7,161	CUM MUD COST:	\$294,453	VARIABLE DECK LOAD(T):	1633
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PERSONEL ON RIG:											
R & B	43	T O C	3	SERVICE	8	OTHER	0	TOTAL	54		
HELICOPTER FLIGHTS TO RIG :		1	PAX ON:	8	PAX OFF:	8					
Freight:											
OIM:-	J.La Fleur	GEOLOGIST:-	M.Adamson.	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink				

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		17:00	22:00	Bit Run	22	Bit Run	23	Depth:	2574m	
Jacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		42.0	Mud wt. SG	1.08	1.09	Bit	0.25	Bit	0.25	450	<-20->	450
Drilling	7.0	526.5	Funnel Vis	58	62	Junk Sub	1.10	Motor	7.19	510	<-30->	500
Reaming		29.0	PV/YP	24/42	23/43	Bit sub	0.93	XO PxP	0.77	675	<-40->	675
Circ. & cond.	4.0	44.0	Gels	5/9	5/9	18x6 1/2" DC	170.82	X/O	0.62			
Trips	12.0	171.5	API W/L	7.0	5.4	X/O	0.62	F/Sub	0.93			
Survey		4.5	Cake (mm)	0.5	1.0	Flex Jt	3.41	1x6 1/2" DC	9.49			
Electric logging		65.0	Glycol %	3.0	3.0	Jars	7.13	Stab 8 1/2"	1.66			
Casing		49.5	Pf/Mf	.03/1.3	0.1/1.1	12 HWDP	112.46	1x6 1/2" DC	9.58			
Cement		32.5	KCl %	4.9	6.0			Stab 8 7/16"	1.23			
N/U test BOP		78.5	Cl (ppm)	39000	45000			16x6 1/2" DC	151.75			
Rig main/repair		23.5	K (ppm)	25660	31420			X/O	0.62			
Coring			Tot. hardness mg/l	400	320			Flex Jt	3.41			
Weather			pH	9.5	9.0			Jars	7.13			
DST			Solids %	4.5	5.5			12 HWDP	112.46			
P & A			Water %	92.5	91.5	TOTAL	296.72	TOTAL	307.09			
Fishing		8.5	Sand %	0.20	0.10	JAR	EQ	PDM	Sperry	Motor Speed (rpm/gpm)		
Other LOT	1.0	41.5	MBT(ppb)	5.0	5.0	SER No.	911346	SER No	1853/82	0.29		
Total	24.0	1143.5	PHPA (ppb)	1.8	1.8	HOURS	11.5	HOURS	7.0			

BIT RECORD										Dull Bit Condition			
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth Out	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R	
14	8 1/2	REED	HP13G	1,3,7	BJ2064	2517	2560	43	3.5	12.29	13,13,13	2 1 No A E I No BHA	
15	8 1/2	HTC	ATM22G	5,1,7	K36BL	2560	2582	22	7	3.14	13,13,13	In hole	

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	I. P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
22	2	7	60	60	1514	400	11722	1700	6 1/2	6 1/2		80	S/W drill cement		
23	14	16	30	50	1514	400	13859	2010	6 1/2	6 1/2		80	KCl/PHPA/Glycol		
			Motor speed =116rpm (@ 400gpm)												
Run #	Drag (tonnes)			Torque (amps)		Hydraulics							AV m/min		
	Up	Down	Rot	Max	Off Btm	TFA	HHP	Impact Force	HSI	%P _{ht}	P _{ht}	DC x OH	DP x OH		
22	118	118	118	300	180	0.389	205	616	3.61	52	877	100	63		
23	122	118	120	200	200	0.389	206	621	3.63	44	885	100	63		

BOP Test:	28/09/94	DRILLS				GEOLOGY					
Function:	16/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	26/09/94	26/09/94	30/09/94	30/09/94	30/09/94	Claystone/siltstone 50/50		0.30%	0.38%	0.20%	0.35%

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	En route to Rig	9:00	

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1630	1145	1090	3865	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	105	79	237	421	
Drill water (tonne)	316	380	381	1077	
Fuel (litres)	222,000	66,000	216,800	504,800	
Helifuel (litres)	687	1000		1687	
Fuel last 24 hrs (litres)	10000	1800	8500	20300	Daily fuel cost: \$12,099

DAILY MUD COST:	\$51,043	CUM MUD COST:	\$345,497	VARIABLE DECK LOAD(T):	1747
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PERSONEL ON RIG:															
R & B	43	T O C	3	SERVICE	8	OTHER	0	TOTAL	54						
HELICOPTER FLIGHTS TO RIG :		2	PAX ON:		1	PAX OFF:		1							
Freight: Gas detector equipment for Geoservices															
OIM:-		J.La Fleur		GEOLOGIST:-		S. Falloon		DRLG ENG:-		V. Tilley		DRLG SUPV:-		IL. Flink	

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	2639m	Report Number:	49
Permit No:	EP-32	Last Csg:	9 5/8"	Report Date:	1/10/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	2543.5m	Start Date:	14/08/94
Contractor:	Reading & Bates	FLOT:	1.32 SG	Days on Location:	48
		M. Last 24hrs:	57m	Days Since Spud:	47

RIG POSITION:	Latitude: 14deg 34mins 24.204sec.S (AGD 66/67)			Longitude: 129deg.25mins.17.253secsE		
Rotary to Seabed:	67m	Air Gap to MSL:	7.23m (13m IAT)	Rig Heading:	007.3 deg.	
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m			

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	1/10/94
0:00	15:00	15.00	Drilled 8 1/2" hole from 2582m to 2624m. (Flow checked at 2586m, 2598m, 2603m - Max gas (0.38%)at 2586m)		
15:00	15:30	0.50	Flow checked - Maximum gas at 60% from 2622m		
15:30	17:30	2.00	Weighted up mud from 1.11 sg to 1.15 sg		
17:30	0:00	6.50	Drilled 8 1/2" hole from 2624m to 2639m		
TOTAL		24.00			

Operations Summary 0000-0600 hrs:				Date:	2/10/94
0:00	6:00	6.00	Drilled 8 1/2" hole from 2639m to 2650m		

Program next 24 hrs: Drill 8 1/2" hole

SURVEYS

[illegible]

AFE No.	Daily Cost:	\$142,413	Drilling Superintendent:	Approved:	F.D.Barker
	Cumulative Cost:	\$7,782,294			

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		14:00	22:00	Bit Run	22	Bit Run		Depth:	2624	
Drilling		1.5	Mud type	KCl / phpa / glycol		Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		42.0	Mud wt. SC	1.11	1.15	Bit	0.25			325	<-20->	350
Drilling	21.5	548.0	Funnel Vis	60	60	Motor	7.19			520	<-30->	500
Casing		29.0	PV/YP	26/40	27/43	X/O PxP	0.77			710	<-40->	735
irc. & cond.	2.5	46.5	Gels	5.0	5/8	X/O	0.62					
Trips		171.5	API W/L	5.0	5.4	F/Sub	0.93					
Survey		4.5	Cake (mm)	0.5	0.5	1x6 1/2" DC	9.49					
Electric logging		65.0	Glycol %	3.0	3.0	Stab 8 1/2"	1.66					
Casing		49.5	PT/Mf	0.1/1.2	0.1/1.1	1x6 1/2" DC	9.58					
Cement		32.5	KCl %	8.0	7.5	Stab 8 7/16"	1.23					
/U test BOP		78.5	Cl (ppm)	55000	63000	16x6 1/2" DC	151.75					
Rig main/repair		23.5	K (ppm)	41890	39270	X/O	0.62					
Coring			Tot. hardness mg/l	320	320	Flex Jt	3.41					
Weather			pH	9.0	9.0	Jars	7.13					
ST			Solids %	6.5	9.0	12 HWDP	112.46					
& A			Water %	90.5	88.0	TOTAL	307.09	TOTAL	----			
Fishing		8.5	Sand %	0.10	0.10	JAR	EQ	PDM	Sperry	Motor Speed (rpm/gpm)		
Other LOT		41.5	MBT(ppb)	5.0	5.0	SER No.	911346	SER No	1853/82	0.29		
Total	24.0	1167.5	PHPA (ppb)	2.0	2.0	HOURS	33.0	HOURS	28.5			

BIT RECORD

Dull Bit Condition

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R										
15	8 1/2	HTC	ATM22G	5,1,7	K36BL	2560	2639	79	28.5	2.77	13,13,13	In Hole										

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
23	14	16	30	50	1514	400	14480	2100	6 1/2	6 1/2		80			
			Motor speed = 116rpm												
Run #	Drag (tonnes)			Torque (amps)			Hydraulics						AV m/min		
	Up	Down	Rot	Max	Off Btm	TFA	HHP	Impact Force	HSI	%P _{ht}	P _{ht}	DC x OH	DP x OH		
23	121	117	121	220	200	0.389	210	656	3.71	43	902	100	63		

ROP Test:	28/09/94	DRILLS				GEOLOGY						
unction:	16/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU	
ig Inspect:	26/09/94	26/09/94	30/09/94	1/10/94	30/09/94	Claystone/siltstone 80/20		N/A	0.83%	0.25%	60.00%	

Last LTA:	20/09/94	Last Incident:	23/09/94
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VORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Standby at rig		
LADY PENELOPE	Standby at rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
arite (sacks)	1460	1145	1090	3695	Penelope fuel used since Darwin
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
ot water (tonne)	162	53	163	378	
Drill water (tonne)	307	380	381	1068	
Fuel (litres)	336,000	65,500	83,000	484,500	
elifuel (litres)	687	1000	0	1687	
uel last 24 hrs (litres)	9000	500	10800	20300	Daily fuel cost: \$12,099

DAILY MUD COST:	\$9,852	CUM MUD COST:	\$355,349	VARIABLE DECK LOAD(T):	1893
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PERSONEL ON RIG:													
A & B	43	T O C	3	SERVICE	8	OTHER	0	TOTAL	54				

HELICOPTER FLIGHTS TO RIG :	0	PAX ON:	0	PAX OFF:	0								
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Freight:													
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DM:-	J. La Fleur	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5	Mud type Mud wt. SG Funnel Vis PV/YP Gels API W/L Ckcc (mm) Glycol % PF/MF KCl % Cl (ppm) K (ppm) Tot. hardness mg/l pH Solids % Water % Sand % MBT(ppb) PHPA (ppb)	13:00	22:00	Bit Run	23	Bit Run	24	Depth:	2659m	
Jacking		1.5		kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		42.0		1.15	1.15	Bit	0.25	Bit	0.25	460	<-20->	450
Drilling	19.0	567.0		64	66	Motor	7.19	Float sub	0.93	550	<-30->	550
Reaming		29.0		26/46	26/46	X/O PxP	0.77	1x6 1/2" DC	9.46	750	<-40->	740
Circ. & cond.		46.5		5/10	5/10	X/O	0.62	R/Reamer	1.80			
Trips	4.5	176.0		5.2	5.2	F/Sub	0.93	2x6 1/2" DC	19.00			
Survey	0.5	5.0		0.5	0.5	1x6 1/2" DC	9.49	Stab	1.23			
Electric logging		65.0		3.0	3.0	Stab 8 1/2"	1.66	18x6 1/2"DC	170.70			
Casing		49.5		0.1/1.2	0.1/1.0	1x6 1/2" DC	9.58	X/O	0.62			
Cement		32.5		7.3	7.5	Stab 8 7/16"	1.23	Flex Jt	3.41			
N/U test BOP		78.5		62000	62000	16x6 1/2" DC	151.75	Jars	7.13			
Rig main/repair		23.5		38220	39270	X/O	0.62	12 HWDP	112.46			
Coring				400	400	Flex Jt	3.41					
Weather				9.0	9.0	Jars	7.13					
DST				9.0	9.0	12 HWDP	112.46					
P & A				88.0	88.0	TOTAL	307.09	TOTAL	326.99			
Fishing		8.5		0.10	0.10	JAR	EQ	PDM	Sperry			
Other LOT		41.5		5.0	5.0	SER No.	911346	SER No	1853/82			
Total	24.0	1191.5		2.1	2.0	HOURS	52.0	HOURS	47.5			

BIT RECORD												Dull Bit Condition			
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L
15	8 1/2	HTC	ATM22G	5,1,7	K36BL	2560	2661	101	47.5	2.13	13,13,13	8	8	BC	A
16	8 1/2	REED	EHP53ALK	5,3,7	DM6484	2661					13,13,13				

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
23	14	16	146	166	1514	400	14411	2090	6 1/2	6 1/2		80	
			30 rotary	50 rotary									
Run #	Drag (tonnes)		Torque (amps)		Hydraulics						AV m/min		
	Up	Down	Rot	Max	Off Btm	TFA	HHP	Impact Force	HSI	%P _{sk}	P _{sk}	DC x OH	DP x OH
23	121	118	121	220	200	0.389	218	656	3.84	45	934	100	63

BOP Test:	28/09/94	DRILLS				GEOLOGY					
Function:	16/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	26/09/94	2/10/94	30/09/94	2/10/94	2/10/94	Claystone/siltstone 20/80		N/A	0.18%	0.10%	0.35%

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	En route to Darwin	6:00	
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1460	1145	1090	3695	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	144	53	158	355	
Drill water (tonne)	298	380	381	1059	
Fuel (litres)	324,000	64,500	82,500	471,000	
Helifuel (litres)	687	1000	0	1687	
Fuel last 24 hrs (litres)	12000	1000	500	13500	Daily fuel cost: \$8,046

DAILY MUD COST:	\$11,827	CUM MUD COST:	\$367,176	VARIABLE DECK LOAD(T):	1856
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PERSONEL ON RIG:					
R & B	43	TOC	3	SERVICE	8
OTHER	0	TOTAL	54		
HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	0	PAX OFF:	0
Freight: Lower IBOP					
OIM:-	J.La Fleur	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley
				DRLG SUPV:-	H. Flink

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	2687m	Report Number:	51
Permit No:	EP-32	Last Csg:	9 5/8"	Report Date:	3/10/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	2543.5m	Start Date:	14/08/94
Contractor:	Reading & Bates	FLOT:	1.32 SG	Days on Location:	50
		M. Last 24hrs:	26	Days Since Spud:	49

RIG POSITION:	Latitude: 14deg 34mins 24.204sec.S (AGD 66/67)			Longitude: 129deg 25mins 17.253secsE	
Rotary to Seabed:	66.2m	Air Gap to MSL:	13.1m	Rig Heading:	007.3 deg.
Water Depth MSL:	36m	Rotary Table to MSL:	30.2m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	3/10/94
0:00	1:00	1.00	Continued POH - made up bit & racked back PDM		
1:00	4:00	3.00	Installed lower IBOP (Removed pipe handler to break out spacer sub)		
4:00	4:30	0.50	Laid out 1 damaged 6 1/2" DC. Flushed and laid out mud motor		
4:30	7:30	3.00	Made up 8 1/2" BHA #24		
7:30	9:00	1.50	RIH assembly on 5" DP to 1481m		
9:00	9:30	0.50	Pressure tested lower IBOP to 300/3000 psi/5min		
9:30	11:00	1.50	Continued RIH to 2643m		
11:00	11:30	0.50	Broke circulation and washed from 2643m to bottom at 2661m. No fill or Drag. Washed and worked string to clear junk		
11:30	0:00	12.50	Drilled 8 1/2" hole from 2661m to 2687m.		
TOTAL		24.00			

Operations Summary 0000-0600 hrs:

Date: 4/10/94

0:00	6:00	6.00	Drilled 8 1/2" hole from 2687m to 2700m

Program next 24 hrs:

Drill 8 1/2" hole

SURVEYS

Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type

AFE No.	SBD	Daily Cost:	\$137,767	Drilling Superintendent:	Approved:	F.D.Barker
		Cumulative Cost:	\$8,056,808			

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		12:00	22:00	Bit Run	24	Bit Run		Depth:	2680m	
Jacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA	3.0	45.0	Mud wt. SG	1.17	1.15	Bit	0.26			350	<-20->	325
Drilling	12.5	579.5	Funnel Vis	69	58	Float sub	0.93			500	<-30->	510
Reaming		29.0	PV/YP	31/57	29/44	1x6 1/2" DC	9.49			700	<-40->	700
Circ. & cond.		46.5	Gels	8/14	5/8	R/Reamer	1.46					
Trips	5.0	181.0	API W/L	4.0	4.8	2x6 1/2" DC	19.04					
Survey		5.0	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	Pf/Mf	0.3/1.1	0.1/0.8	X/O	0.62					
Cement		32.5	KCl %	7.3	8.0	Flex Jt	3.41					
N/U test BOP		78.5	Cl (ppm)	62000	63000	Jars	7.13					
Rig main/repair	3.5	27.0	K (ppm)	38220	41890	12 HWDP	112.46					
Coring		0.0	Tot. hardness mg/l	400	360							
Weather			pH	9.0	8.5							
DST			Solids %	10.0	10.0							
P & A			Water %	87.0	87.0	TOTAL	317.74	TOTAL				
Fishing		8.5	Sand %	tr	0.10	JAR	EQ	PDM				
Other LOT		41.5	MBT(ppb)	7.5	5.0	SER No.	911346	SER No				
Total	24.0	1215.5	PHPA (ppb)	2.2	2.1	HOURS	64.5	HOURS				

BIT RECORD

Dull Bit Condition

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
16	8 1/2	REED	EHP53ALK	5,3,7	DM6484	2661	2687	26	12.5	2.08	13,13,13	In Hole

Run #	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks
	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
24	16	20	30	50	1514	400	12756	1850	6 1/2	6 1/2		80	

Run #	Drag (tonnes)			Torque (amps)		Hydraulics						AV m/min		
	Up	Down	Rot	Max	Off lbtm	TFA	HHP	Impact Force	HSI	%P _{max}	P _{max}	DC x OH	DP x OH	
24	122	118	121	210	170	0.389	221	656	3.89	51	946	100	63	

BOP Test:	28/09/94	DRILLS					GEOLOGY					
Function:	16/09/94	F/Abn	MOB	Pit	Trip		Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	26/09/94	2/10/94	30/09/94	3/10/94	3/10/94		Claystone/siltstone(80/20)		2.60%	0.19%	0.06%	2.60%

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Standby at rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1230	1145	1090	3465	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	127	53	153	333	
Drill water (tonne)	288	380	381	1049	
Fuel (litres)	315,000	58,000	81,700	454,700	
Helifuel (litres)	687	1000	0	1687	
Fuel last 24 hrs (litres)	9000	6500	800	16300	Daily fuel cost: \$9,715

DAILY MUD COST:	\$3,871	CUM MUD COST:	\$371,047	VARIABLE DECK LOAD(T):	1827
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PERSONEL ON RIG:									
R & B	44	TOC	3	SERVICE	7	OTHER	0	TOTAL	54
HELICOPTER FLIGHTS TO RIG :		1	PAX ON:		11	PAX OFF:		11	
Freight: Out - Mail bag for R&B									
In - Various TOC									
OIM:-	J.La Fleur	GEOLOGIST:- S. Falloon		DRLG ENG:- V. Tilley		DRLG SUPV:-		H. Flink	

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		12:45	22:00	Bit Run	24	Bit Run		Depth:	2728m	
Jacking		1.5	Mud type	klc/pha	klc/pha	Descr.	Length	Descr.	Length	#1	S P R	#2
P/U-L/D BHA		45.0	Mud wt. SG	1.16	1.16	Bit	0.26			425	<-20->	400
Drilling	23.5	603.0	Funnel Vis	58	60	Float sub	0.93			525	<-30->	525
Reaming		29.0	PV/YP	30/43	31/47	1x6 1/2" DC	9.49			700	<-40->	710
Circ. & cond.		46.5	Gels	7/11	6/14	R/Reamer	1.46					
Trips		181.0	API W/L	3.9	4.0	2x6 1/2" DC	19.04					
Survay		5.0	Calc (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	Pf/Mf	0.05/1	0.05/0.8	X/O	0.62					
Cement		32.5	KCl %	8.0	8.0	Flex Jt	3.41					
N/U test BOP		78.5	Cl (ppm)	60000	63000	Jars	7.13					
Rig main/repair	0.5	27.5	K (ppm)	41890	41890	12 HWDP	112.46					
Coring		0.0	Tot. hardness mg/l	420	400							
Weather			pH	9.0	8.6							
DST			Solids %	10.0	10.0							
P & A			Water %	87.0	87.0	TOTAL	317.74	TOTAL				
Fishing		8.5	Sand %	tr	0.10	JAR	EQ	PDM		PDM		
Other LOT		41.5	MBT(ppb)	5.0	5.0	SER No.	911346	SER No		SER No		
Total	24.0	1239.5	PHPA (pph)	2.3	2.5	HOURS	88.0	HOURS		HOURS		

BIT RECORD										Dull Bit Condition		
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
16	8 1/2	REED	EHP53ALK	5,3,7	DM6484	2661	2737	76	36	2.11	13,13,13	In Hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
24	18	20	40	50	1514	400	13445	1950	6 1/2	6 1/2	80			

Run #	Drag (tonnes)		Torque (amps)		Hydraulics						AV m/min			
	Up	Down	Rot	Max	Off Btm	TFA	HHP	Impact Force	HSI	%P _{sk}	P _{sk}	DC x OH	DP x OH	
24	122	118	122	200	170	0.389	220	661	3.87	48	942	100	63	

BOP Test:	28/09/94	DRILLS				GEOLOGY					
Function:	16/09/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	26/09/94	2/10/94	30/09/94	4/10/94	3/10/94	Claystone/siltstone(40/60)		0.62%	0.19%	0.10%	0.37%

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1230	1145	1090	3465	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	110	53	148	311	
Drill water (tonne)	238	380	381	999	
Fuel (litres)	306,000	57,000	81,300	444,300	
Helifuel (litres)	687	1000	0	1687	
Fuel last 24 hrs (litres)	9000	7500	1200	17700	Daily fuel cost: \$10,549

DAILY MUD COST:	\$6,836	CUM MUD COST:	\$377,883	VARIABLE DECK LOAD(T):	1735
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PERSONEL ON RIG:									
R & B	44	TOC	3	SERVICE	7	OTHER	0	TOTAL	54
HELICOPTER FLIGHTS TO RIG :		1	PAX ON:	6	PAX OFF:	6			
Freight: Out - Grapples for TOC									
OIM:-	J.La Fleur	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink		

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		13:00	22:00	Bit Run	24	Bit Run	25	Depth:	2758m @ 1.16 sg	
Jacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Descr.	Length	#1	S P R	#2
P/U-L/D BHA		45.0	Mud wt. SG	1.17	1.18	Bit	0.26	Bit	0.26	400	<-20->	400
Drilling	14.0	617.0	Funnel Vis	63	66	Float sub	0.93	Float sub	0.93	525	<-30->	525
Reaming		29.0	PV/YP	30/46	30/46	1x6 1/2" DC	9.49	1x6 1/2" DC	9.49	725	<-40->	720
Circ. & cond.	1.0	47.5	Gels	8/13	8/13	R/Reamer	1.46	R/Reamer	1.46			
Trips	6.5	187.5	API W/L	4.0	4.0	2x6 1/2" DC	19.04	2x6 1/2" DC	19.04			
Survey	0.5	5.5	Cake (mm)	0.5	0.5	Stab	1.66	Stab	1.66			
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28	17x6 1/2"DC	161.28			
Casing		49.5	Pf/Mf	0.2/0.9	0.2/0.9	X/O	0.62	X/O	0.62			
Cement		32.5	KCl %	8.0	8.0	Flex Jt	3.41	Flex Jt	3.41			
N/U test BOP	2.0	80.5	Cl (ppm)	62000	62000	Jars	7.13	Jars	7.13			
Rig main/repair		27.5	K (ppm)	41890	41890	12 HWDP	112.46	12 HWDP	112.46			
Coring		0.0	Tot. hardness mg/l	400	400							
Weather			pH	9.0	9.0							
DST			Solids %	11.0	11.0							
P & A			Water %	86.0	86.0	TOTAL	317.74	TOTAL	317.74			
Fishing		8.5	Sand %	0.10	0.10	JAR	EQ	PDM				
Other LOT		41.5	MBT(ppb)	4.0	4.0	SER No.	911346	SER No				
Total	24.0	1263.5	PHPA (ppb)	2.2	2.2	HOURS	102.0	HOURS				

BIT RECORD										Dull Bit Condition		
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
16	8 1/2	REED	EHP53ALK	5,3,7	DM6484	2661	2761	100	50	2.00	13,13,13	2 2 ER A E 1 No HR
17	8 1/2	REED	EHP53ALK	5,3,7	DM6024	2761						

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
24	18	21	40	50	1514	400	13790	2000	6 1/2	6 1/2	80				
Run #	Drag (tonnes)		Torque (amps)		Hydraulics								AV m/min		
	Up	Down	Rot	Max	Off Btm	TFA	HHP	Impact Force	HSI	%P _{max}	P _{max}	DC x OH	DP x OH		
24	123	119	122	220	160	0.389	221	673	3.89	47	946	100	63		

BOP Test:	6/10/94	DRILL				GEOLOGY						
Function:	6/10/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU	
Rig Inspect:	26/09/94	2/10/94	30/09/94	5/10/94	5/10/94	Claystone/siltstone (50/50)		-	0.90%	0.12%	0.37%	

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1120	1145	1090	3355	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	87	53	143	283	
Drill water (tonne)	224	380	381	985	
Fuel (litres)	294,000	206,500	80,800	581,300	RT fuel on Rpt #52 should have been 306,000
Helifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	12000	500	500	13000	Daily fuel cost: \$7,748

DAILY MUD COST:	\$2,169	CUM MUD COST:-	\$380,052	VARIABLE DECK LOAD(T):	1653
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PERSONEL ON RIG:									
R & B	44	T O C	3	SERVICE	7	OTHER	0	TOTAL	54
HELICOPTER FLIGHTS TO RIG :		None	PAX ON:		PAX OFF:				
Freight:									
OIM:-	J.La Fleur	GEOLOGIST:-		S. Falloon	DRLG ENG:-		V. Tilley	DRLG SUPV:-	H. Flink

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		14:30	22:00	Bit Run	25	Bit Run		Depth:	2767m @ 1.18 sg	
Jacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	SPR	#2
P/U-L/D BHA		45.0	Mud wt. SG	1.18	1.18	Bit	0.26			350	<-20->	400
Drilling	15.0	632.0	Funnel Vis	52	60	Float sub	0.93			510	<-30->	525
Reaming		29.0	PV/YP	28/41	30/43	1x6 1/2" DC	9.49			700	<-40->	750
Circ. & cond.		47.5	Gels	6/14	6/9	R/Reamer	1.46					
Trips	4.5	192.0	API W/L	4.0	4.0	2x6 1/2" DC	19.04					
Survey		5.5	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	Pf/Mf	0.2/0.8	0.2/0.9	X/O	0.62					
Cement		32.5	KCl %	8.0	8.0	Flex Jt	3.41					
N/U test BOP	4.5	85.0	Cl (ppm)	62000	62000	Jars	7.13					
Rig main/repair		27.5	K (ppm)	41890	41890	12 HWDP	112.46					
Coring		0.0	Tot. hardness mg/l	400	400							
Weather			pH	9.0	8.7							
DST			Solids %	11.0	11.0							
P & A			Water %	86.0	86.0	TOTAL	317.74	TOTAL				
Fishing		8.5	Sand %	tr	0.20	JAR	EQ	PDM				
Other LOT		41.5	MBT(ppb)	4.0	4.0	SER No.	911346	SER No				
Total	24.0	1287.5	PHPA (ppb)	1.9	2.4	HOURS	117.0	HOURS				

BIT RECORD											Dull Bit Condition	
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
17	8 1/2	REED	EHP53AL	5,3,7	DM6024	2761	2791	30	15	2.00	13,13,13	In Hole

WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
25	18	21	40	50	1514	400	13101	1900	6 1/2	6 1/2	80		
Drag (tonnes)		Torque (amps)		Hydraulics				AV m/min					
Run #	Up	Down	Rot	Max	Off Btm	TFA	HHP	Impact Force	HSI	%P _{sk}	P _{sk}	DC x OH	DP x OH
25	125	122	124	300	180	0.389	224	673	3.94	50	958	100	63

BOP Test:	6/10/94	DRILLS				GEOLOGY				
Function:	6/10/94	F/Abn	MOB	Pit	Trip	Lithology	T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	5/10/94	2/10/94	30/09/94	6/10/94	6/10/94	Claystone/siltstone (Sndst 10-60%)	2.30%	0.33%	0.12%	0.37%

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1120	1145	1090	3355	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	73	53	138	264	
Drill water (tonne)	215	380	381	976	
Fuel (litres)	283,000	206,500	80,000	569,500	
Helifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	11000	0	800	11800	Daily fuel cost: \$7,033

DAILY MUD COST:	\$2,445	CUM MUD COST:-	\$382,498	VARIABLE DECK LOAD(T):	1652
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PERSONEL ON RIG:									
R & B	44	TOC	3	SERVICE	7	OTHER	0	TOTAL	54
HELICOPTER FLIGHTS TO RIG :		1	PAX ON:		11	PAX OFF:		11	
Freight:									
OIM:-	J. La Fleur		GEOLOGIST:- S. Falloon		DRLG ENG:- V. Tilley		DRLG SUPV:-		H. Flink

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		15:00	0:00	Bit Run	25	Bit Run		Depth:	2797 @ 1.18sg	
Jacking		1.5	Mud type	klc/phpa	klc/phpa	Descr.	Length	Desc.	Length	#1	SPR	#2
P/U-L/D BHA		45.0	Mud wt. SG	1.18	1.18	Bit	0.26			350	<-20->	350
Drilling	23.5	655.5	Funnel Vis	60	61	Float sub	0.93			520	<-30->	520
Reaming		29.0	PV/YP	31/44	32/49	1x6 1/2" DC	9.49			710	<-40->	710
Circ. & cond.		47.5	Gels	6/10	8/14	R/Reamer	1.46					
Trips		192.0	API W/L	4.1	3.6	2x6 1/2" DC	19.04					
Survey		5.5	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	Pf/Mf	0.2/0.9	0.1/0.8	X/O	0.62					
Cement		32.5	KCl %	8.0	8.0	Flex It	3.41					
N/U test BOP		85.0	Cl (ppm)	63000	58000	Jars	7.13					
Rig main/repair	0.5	28.0	K (ppm)	41890	41890	12 HWDP	112.46					
Coring		0.0	Tot. hardness mg/l	400	440							
Weather			pH	9.0	8.5							
DST			Solids %	11.5	11.5							
P & A			Water %	85.5	85.5	TOTAL	317.74	TOTAL				
Fishing		8.5	Sand %	0.20	0.15	JAR	EQ	PDM				
Other LOT		41.5	MBT(ppb)	7.5	6.0	SER No.	911346	SER No				
Total	24.0	1311.5	PHPA (ppb)	2.0	2.2	HOURS	140.5	HOURS				

BIT RECORD										Dull Bit Condition		
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
17	8 1/2	REED	EHP53AL	5,3,7	DM6024	2761	2831	70	38.5	1.82	13,13,13	In Hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
25	18	21	50	55	1514	400	13790	2000	6 1/2	6 1/2	80				
	Drag (tonnes)			Torque (amps)			Hydraulics							AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Impact Force	HSI	%P _{max}	P _{max}	6 1/2	5	
25	125	122	124	180	210	300	0.389	224	673	3.94	48	958	100	63	

BOP Test:	6/10/94	DRILLS				GEOLOGY					
Function:	6/10/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	5/10/94	2/10/94	30/09/94	7/10/94	6/10/94	Claystone/siltstone (80/20)		Nil	0.35%	0.12%	0.18%

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	En route to Rig	9:00	
LADY PENELOPE	Rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	930	1145	1090	3165	L/E approximate fuel usage
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	56	229	138	423	
Drill water (tonne)	202	577	381	1160	
Fuel (litres)	270,000	205,500	79,500	555,000	
Helifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	13000	1000	500	14500	Daily fuel cost: \$8,642

DAILY MUD COST:	\$13,355	CUM MUD COST:-	\$395,853	VARIABLE DECK LOAD(T):	1614
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PERSONEL ON RIG:										
R & B	44	TOC	3	SVCE	7	OTHER	0	TOTAL	54	
HELICOPTER FLIGHTS TO RIG :		1	PAX ON:		3	PAX OFF:		3		
Freight: 3 boxes Geo samples										
OIM:-	J. La Fleur	GEOLOGIST:-		S. Falloon	DRLG ENG:-		V. Tilley	DRLG SUPV:-		H. Flink

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		10:00	0:00	Bit Run	25	Bit Run		Depth:	2873 @ 1.19sg	
Lacking		1.5	Mud type	klc/phpa	klc/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
3/4 U-L/D BHA		45.0	Mud wt. SG	1.19	1.19	Bit	0.26			350	<-20->	375
Drilling	24.0	679.5	Funnel Vis	68	60	Float sub	0.93			575	<-30->	575
Reaming		29.0	PV/YP	38/46	33/46	1x6 1/2" DC	9.49			770	<-40->	775
Circ. & cond.		47.5	Gels	6/13	6/12	R/Reamer	1.46					
Trips		192.0	API W/L	4.0	3.8	2x6 1/2" DC	19.04					
Survey		5.5	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	Pf/Mf	0.2/0.8	0.05/0.85	X/O	0.62					
Cement		32.5	KCl %	7.2	8.2	Flex Jt	3.41					
NU test BOP		85.0	Cl (ppm)	57000	56000	Jars	7.13					
Rig main/repair		28.0	K (ppm)	37700	42940	12 HWDP	112.46					
Coring		0.0	Tot. hardness mg/l	420	520							
Weather			pH	9.0	8.2							
DST			Solids %	11.0	11.0							
W & A			Water %	86.0	86.0	TOTAL	317.74	TOTAL				
Fishing		8.5	Sand %	0.25	0.15	JAR	EQ	PDM				
Other LOT		41.5	MBT(ppb)	5.0	6.0	SER No.	911346	SER No				
Total	24.0	1335.5	PIIPA (ppb)	2.0	2.2	HOURS	164.5	HOURS				

BIT RECORD											Dull Bit Condition	
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
17	8 1/2	REED	EHP53AL	5,3,7	DM6024	2761	2877	116	62.5	1.86	13,13,13	In Hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
25	18	21	50	55	1514	400	13928	2020	6 1/2	6 1/2	80				
	Drag (tonnes)			Torque (amps)			Hydraulics							AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Impact Force	HSI	%P _{sk}	P _{sk}	6 1/2	5	
25	125	122	124	175	220	280	0.389	225	676	3.97	48	967	100	63	

BOP Test:	6/10/94	DRILLS				GEOLOGY					
Function:	6/10/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	5/10/94	2/10/94	30/9/94	8/10/94	6/10/94	Claystone (100%)		Nil	0.35%	0.06%	0.45%

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	Rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1640	1145	380	3165	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	124	223	35	382	
Drill water (tonne)	176	577	368	1121	
Fuel (litres)	263,000	185,500	79,000	527,500	
Helifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	7000	20000	500	27500	Daily fuel cost: \$16,390

DAILY MUD COST:	\$8,808	CUM MUD COST:-	\$404,661	VARIABLE DECK LOAD(T):	1665
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PERSONEL ON RIG:					
R & B	44	T O C	3	SVCE	7
				OTHER	0
				TOTAL	54

HELICOPTER FLIGHTS TO RIG :	PAX ON:	PAX OFF:
Freight:		

OIM:-	J.La Fleur	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		10:00	22:30	Bit Run	25/26	Bit Run		Depth:	2898m @ 1.19sg	
Jacking		1.5	Mud type	klc/phpa	klc/phpa	Descr.	Length	Desc.	Length	#1	SPR	#2
P/U-L/D BHA		45.0	Mud wt. SG	1.19	1.19	Bit	0.26			350	<-20->	350
Drilling	12.0	691.5	Funnel Vis	62	59	Float sub	0.93			575	<-30->	550
Reaming	0.5	29.5	PV/YP	32/45	32/44	1x6 1/2" DC	9.49			710	<-40->	730
Circ. & cond.	1.0	48.5	Gels	5/12	6/12	R/Reamer	1.46					
Trips	10.0	202.0	API W/L	4.0	3.5	2x6 1/2" DC	19.04					
Survey		5.5	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	P/Mf	0.1/0.8	0.1/0.8	X/O	0.62					
Cement		32.5	KCl %	7.2	8.2	Flex Jt	3.41					
N/U test BOP		85.0	Cl (ppm)	56000	54000	Jars	7.13					
Rig main/repair	0.5	28.5	K (ppm)	37700	42940	12 HWDP	112.46					
Coring		0.0	Tot. hardness mg/l	400	460							
Weather			pH	9.0	8.5							
DST			Solids %	10.5	11.0							
P & A			Water %	86.5	86.0	TOTAL	317.74	TOTAL				
Fishing		8.5	Sand %	0.20	0.15	JAR	EQ	PDM				
Other LOT		41.5	MBT(ppb)	5.0	6.0	SER No.	911346	SER No				
Total	24.0	1359.5	PHPA (ppb)	2.0	2.0	HOURS	176.5	HOURS				

BIT RECORD										Dull Bit Condition			
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth Out	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R	
17	8 1/2	REED	EHP53AL	5,3,7	10M6024	2761	2896	135	71	1.90	13,13,13	4 4 WT A F In BT/ER TQ	
18	8 1/2	REED	EHP53AL	5,3,7	10M6026	2896	2903	7	3.5	2.00	13,13,13	In hole	

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
25	18	21	50	55	1514	400	13928	2020	6 1/2	6 1/2	80			
26	18	21	50	55	1514	400	13652	1980	6 1/2	6 1/2		80		
	Drag (tonnes)			Torque (amps)			Hydraulics						AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Imp Force	HSI	%P _{max}	P _{max}	6 1/2	5
25	125	122	124	175	220	280	0.389	225	676	3.97	48	967	100	63
26	126	124	126	190	220	250	0.389	225	676	3.96	49	964	100	63

BOP Test:	6/10/94	DRILL S				GEOLOGY							
Function:	6/10/94	F/Abn	MOB	Pit	Trip	Lithology				T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	5/10/94	9/10/94	30/09/94	9/10/94	9/10/94	Claystone/Sandstone/Siltstone(80/20/10)				4.32%	0.21%	0.10%	0.21%

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	En route to Darwin		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1640	1145	380	3165	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	110	217	33	360	
Drill water (tonne)	170	577	368	1115	
Fuel (litres)	253,000	185,000	78,700	516,700	
Helifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	10000	500	300	10800	Daily fuel cost: \$6,437

DAILY MUD COST:	Nil	CUM MUD COST:-	\$404,661	VARIABLE DECK LOAD(T):	1746
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PERSONEL ON RIG:																
R & B	44	T O C		3	SVCE		7	OTHER		0	TOTAL		54			
HELICOPTER FLIGHTS TO RIG :				PAX ON:			PAX OFF:									
Freight:																
OIM:-		J. La Fleur			GEOLOGIST:-		S. Falloon		DRLG ENG:-		V. Tilley		DRLG SUPV:-		H. Flink	

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	2946m	Report Number:	58
Permit No:	EP-32	Last Csg:	9 5/8"	Report Date:	10/10/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	2543.5m	Start Date:	14/08/94
Contractor:	Reading & Bates	FLOT:	1.32 SG	Days on Location:	57
		M. Last 24hrs:	43m	Days Since Spud:	56

RIG POSITION:	Latitude: 14deg 34mins 24.204sec.S (AGD 66/67)			Longitude: 129deg 25mins 17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23 13m(lat)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	10/10/94
0:00	0:00	24.00	Drilled 8 1/2" hole from 2903m to 2946m		
			(A small amount of blocky cavings being returned over shale shakers)		
			(Losses at approximately 10 bbl/hr while circulating - Hole is static without circulation)		
TOTAL		24.00			

Operations Summary 0000-0600 hrs:				Date:	11/10/94
0:00	6:00	6.00	Drill 8 1/2" hole from 2946m to 2955m		

Program next 24 hrs:	Drill 8 1/2" hole
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SURVEYS

Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type
AFE No.			Daily Cost:		\$126,044		Drilling Superintendent:		Approved:		
					\$8,948,701				F.D.Barker		

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		12:00	23:00	Bit Run	26	Bit Run		Depth:	2921m @ 1.20 sg	
Jacking		1.5	Mud type	klc/phpa	klc/phpa	Descr.	Length	Desc.	Length	#1	SPR	#2
P/U-L/D BHA		45.0	Mud wt. SG	1.20	1.19	Bit	0.26			420	<-20->	420
Drilling	24.0	715.5	Funnel Vis	62	58	Float sub	0.93			590	<-30->	570
Reaming		29.5	PV/YP	34/45	32/41	1x6 1/2" DC	9.49			760	<-40->	770
Circ. & cond.		48.5	Gels	5/8	6/9	R/Reamer	1.46					
Trips		202.0	API W/L	3.3	3.4	2x6 1/2" DC	19.04					
Survey		5.5	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	Pf/Mf	0.1/0.8	0.05/75	X/O	0.62					
Cement		32.5	KCl %	7.8	8.0	Flex Jt	3.41					
N/U test BOP		85.0	Cl (ppm)	68000	54000	Jars	7.13					
Rig main/repair		28.5	K (ppm)	40840	41890	12 HWDP	112.46					
Coring		0.0	Tot. hardness mg/l	400	440							
Weather			pH	8.5	8.2							
DST			Solids %	11.5	10.5							
P & A			Water %	85.5	86.5	TOTAL	317.74	TOTAL				
Fishing		8.5	Sand %	0.10	0.10	JAR	EQ	PDM				
Other LOT		41.5	MBC(ppb)	5.0	5.0	SER No.	911346	SER No				
Total	24.0	1383.5	PHPA (ppb)	2.0	2.0	HOURS	200.5	HOURS				

BIT RECORD

Dull Bit Condition

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
18	8 1/2	REED	EHP53AL	5,3,7	DM6026	2896	2946	50	27.5	1.82	13,13,13	In Hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
26	18	21	45	60	1514	400	13928	2020	6 1/2	6 1/2	80				
	Drag (tonnes)			Torque (amps)			Hydraulics							AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Imp Force	HSI	%P _{sk}	P _{sk}	6 1/2	5	
26	130	125	128	180	230	320	0.389	227	676	4.01	48	975	100	63	

BOP Test:	6/10/94	DRILLS				GEOLOGY				
Function:	6/10/94	F/Abn	MOB	Pit	Trip	Lithology	T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	10/10/94	9/10/94	30/09/94	10/10/94	9/10/94	Claystone/Sandstone/Siltstone	N/A	0.22%	0.04%	0.20%

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	Darwin		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1610	1145	380	3135	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	90	211	33	334	
Drill water (tonne)	138	577	368	1083	
Fuel (litres)	244,000	184,500	78,700	507,200	
Helifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	9000	500	0	9500	Daily fuel cost: \$5,662

DAILY MUD COST:	\$11,177	CUM MUD COST:-	\$415,838	VARIABLE DECK LOAD(T):	1686
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PERSONEL ON RIG:									
R & B	44	T O C	3	SERVICE	7	OTHER	0	TOTAL	54
HELICOPTER FLIGHTS TO RIG :		1	PAX ON:		12	PAX OFF:		12	
Freight:									

OIM:-	J.La Fleur	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink
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DAILY DRILLING REPORT

Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type
AFE No.		SBD	Daily Cost:		\$138,301		Drilling Superintendent:		Approved: F.D.Barker		
					\$9,087,002						

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		11:00	0:00	Bit Run	26	Bit Run		Depth:	2957 @ 1.19 sg	
acking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	SPR	#2
U-L/D BHA		45.0	Mud wt. SG	1.19	1.19	Bit	0.26			430	<-20->	425
Drilling	21.5	737.0	Funnel Vis	62	64	Float sub	0.93			540	<-30->	580
Reaming		29.5	PV/YP	34/44	36/48	1x6 1/2" DC	9.49			725	<-40->	760
Circ. & cond.	1.5	50.0	Gels	5/9	6/10	R/Reamer	1.46					
Trips	1.0	203.0	API W/L	4.0	3.8	2x6 1/2" DC	19.04					
Survey		5.5	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	Pf/Mf	0.1/0.7	0.05/75	X/O	0.62					
Cement		32.5	KCl %	7.8	7.8	Flex Jt	3.41					
N/U test BOP		85.0	Cl (ppm)	55000	53000	Jars	7.13					
Rig main/repair		28.5	K (ppm)	40840	40840	12 HWDP	112.46					
Coring		0.0	Tot. hardness mg/l	440	520							
Weather			pH	8.5	8.0							
DST			Solids %	10.5	11.0							
P & A			Water %	86.5	86.0	TOTAL	317.74	TOTAL				
Fishing		8.5	Sand %	0.25	0.20	JAR	EQ	PDM				
Other LOT		41.5	MBC(ppb)	5.0	5.0	SER No.	911346	SER No				
Total	24.0	1407.5	PIPA (ppb)	1.9	1.9	HOURS	222.0	HOURS				

BIT RECORD											Dull Bit Condition	
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth Out	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
18	8 1/2	REED	EHP53AL	5,3,7	DM6026	2896	2988	92	53	1.74	13,13,13	In Hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
26	18	21	50	60	1135	300	9998	1450	6 1/2	6 1/2	60				
	Drag (tonnes)				Torque (amps)			Hydraulics						AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Imp Force	HSI	%P _{max}	P _{max}	6 1/2	5	
26	130	125	128	190	250	320	0.389	95	382	1.68	37	544	75	47	

BOP Test:	6/10/94	DRILLS				GEOLOGY					
Function:	6/10/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	10/10/94	9/10/94	11/10/94	11/09/94	9/10/94	Claystone/Siltstone/Sandstone (70/20/10)		0.33%	0.17%	0.04%	0.08%

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	Darwin		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1610	1145	380	3135	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	161	127	33	321	
Drill water (tonne)	211	447	368	1026	
Fuel (litres)	348,500	70,000	78,700	497,200	
Helifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	9000	1000	0	10000	Daily fuel cost: \$5,960

DAILY MUD COST:	\$25,689	CUM MUD COST:-	\$441,526	VARIABLE DECK LOAD(T):	1919
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PERSONEL ON RIG:									
R & B	44	T O C	3	SVCE	7	OTHER	0	TOTAL	54
HELICOPTER FLIGHTS TO RIG :			PAX ON:		PAX OFF:				
Freight:									
OIM:-	J.La Fleur	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink		

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	3003m	Report Number:	60
Permit No:	EP-32	Last Csg:	9 5/8"	Report Date:	12/10/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	2543.5m	Start Date:	14/08/94
Contractor:	Reading & Bates	FLOT:	1.32 SG	Days on Location:	59
		M. Last 24hrs:	22m	Days Since Spud:	58

RIG POSITION:	Latitude: 14deg 34mins 24.204sec.S (AGD 66/67)			Longitude: 129deg 25mins 17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23 13m(lat)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	12/10/94
0:00	4:00	4.00	Drilled 8 1/2" hole from 2981m to 2988m. Torque increased.		
4:00	5:00	1.00	Circulated bottoms up		
5:00	5:30	0.50	Dropped survey & allowed to fall - Flow checked (Static) & pumped slug		
5:30	10:30	5.00	POH - Flow checked at shoe & BHA.		
10:30	15:30	5.00	Made up bit #19, changed out roller reamer and RIH to casing shoe		
15:30	16:00	0.50	Serviced TDS		
16:00	16:30	0.50	Continued RIH to 2959m		
16:30	17:00	0.50	Broke circulation & precautionary reamed to bottom at 2988m - No fill, No drag		
17:00	21:30	4.50	Drilled 8 1/2" hole from 2988m to 3000m - Mud losses to hole increased from 1 bbl/hr to 20 bbls/hr at 2999m		
21:30	22:00	0.50	Spotted 5 bbls LCM on bottom		
22:00	22:30	0.50	Flow checked - Static - Pulled back to 2980m & circulated while soaking LCM: Losses reduced to nil - RIH		
22:30	0:00	1.50	Drilled 8 1/2" hole from 3000m to 3003m (-No losses down hole)		
TOTAL		24.00			

Operations Summary 0000-0600 hrs:			Date:	13/10/94
0:00	6:00	6.00	Drilled 8 1/2" hole from 3003m to 3016m	
			(Average losses 2 bbls/hr - Sporadically higher - Added 10 sx WO-30 to active system at 3003m and at 3015m)	

Program next 24 hrs:	Drill 8 1/2" hole
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SURVEYS

Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type
2988	5.5deg										Totco Inclination

AFE No.	SBD	Daily Cost:	\$133,609	Drilling Superintendent:	Approved:	F.D.Barker
			\$9,220,611			

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		11:00	0:00	Bit Run	27	Bit Run		Depth:	2996m @ 1.19	
Tacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
WU-L/D BHA		45.0	Mud wt. SG	1.19	1.19	Bit	0.25			350	<-20->	350
Drilling	10.0	747.0	Funnel Vis	63	61	Float sub	0.93			500	<-30->	525
Reaming	0.5	30.0	PV/YP	35/46	35/44	1x6 1/2" DC	9.49			740	<-40->	760
Circ. & cond.	2.0	52.0	Gels	6/8	6/8	R/Reamer	1.58					
Trips	10.5	213.5	API W/L	3.5	3.3	2x6 1/2" DC	19.04					
Survey	0.5	6.0	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	Pf/Mf	0.1/0.7	0/7	X/O	0.62					
Cement		32.5	KCl %	7.5	7.2	Flex Jt	3.41					
N/U test BOP		85.0	Cl (ppm)	54000	53000	Jars	7.13					
Rig main/repair	0.5	29.0	K (ppm)	39270	37700	12 HWDP	112.46					
Coring		0.0	Tot. hardness mg/l	440	520							
Weather			pH	8.5	7.8							
DST			Solids %	10.5	10.5							
W & A			Water %	86.5	86.5	TOTAL	317.85	TOTAL				
Fishing		8.5	Sand %	0.20	0.20	JAR	EQ	PDM				
Other LOT		41.5	MBC(ppb)	5.0	5.0	SER No.	911346	SER No				
Total	24.0	1431.5	PHPA (ppb)	2.0	2.0	HOURS	232.5	HOURS				

BIT RECORD											Dull Bit Condition		
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D	I. B G O R
18	8 1/2	REED	EHP53AL	5,3,7	DM6026	2896	2988	92	53	1.74	13,13,13	4 4	FC A E 3 BT TQ
19	8 1/2	SMITH	F30D	5,3,7	LC4410	2988	3003	15	6	2.50	13,13,13	In hole	

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
27	18	21	50	60	1135	300	9791	1420	6 1/2	6 1/2	60				
	Drag (tonnes)			Torque (amps)			Hydraulics							AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Imp Force	HSI	%P _{ht}	P _{ht}	6 1/2	5	
27	132	125	130	200	230	250	0.389	95	382	1.68	38	544	75	47	

BOP Test:	6/10/94	DRILLIS				GEOLOGY							
Function:	6/10/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU		
Rig Inspect:	10/10/94	9/10/94	11/10/94	12/10/94	12/10/94	Claystone		0.64%	0.20%	0.12%	0.15%		

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	Darwin		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1400	1145	380	2925	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Hot water (tonne)	139	121	33	293	
Drill water (tonne)	187	447	368	1002	
Fuel (litres)	340,000	69,500	73,500	483,000	
Helifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	8500	500	5200	14200	Daily fuel cost: \$8,463

DAILY MUD COST:	\$3,814	CUM MUD COST:-	\$445,340	VARIABLE DECK LOAD(T):	1846
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PERSONEL ON RIG:					
R & B	44	T O C	3	SVCE	7
				OTHER	0
				TOTAL	54

HELICOPTER FLIGHTS TO RIG :	PAX ON:	PAX OFF:
Freight:		

OIM:-	J.La Fleur	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		12:00	23:00	Bit Run	27	Bit Run		Depth:	3045m @ 1.19 sg	
Lacking		1.5	Mud type	klc/phpa	klc/phpa	Descr.	Length	Desc.	Length	#1	SPR	#2
WU-L/D BHA		45.0	Mud wt. SG	1.19	1.19	Bit	0.25			360	<-20->	350
Drilling	24.0	771.0	Funnel Vis	69	65	Float sub	0.93			525	<-30->	510
Reaming		30.0	PV/YP	49/45	36/46	1x6 1/2" DC	9.49			710	<-40->	725
Circ. & cond.		52.0	Gels	5/8	6/9	R/Reamer	1.58					
Frips		213.5	API W/L	3.3	3.2	2x6 1/2" DC	19.04					
Survey		6.0	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	Pf/Mf	.05/.6	0/.7	X/O	0.62					
Cement		32.5	KCl %	7.8	8.0	Flex It	3.41					
N/U test BOP		85.0	Cl (ppm)	52000	51000	Jars	7.13					
Rig main/repair		29.0	K (ppm)	40840	41890	12 HWDP	112.46					
Coring		0.0	Tot. hardness mg/l	640	720							
Weather			pH	8.3	7.7							
DST			Solids %	11.5	11.0							
P & A			Water %	85.5	86.0	TOTAL	317.85	TOTAL				
Fishing		8.5	Sand %	0.20	0.10	JAR	EQ	PDM				
Other LOT		41.5	MBC(ppb)	5.0	5.0	SER No.	911346	SER No				
Total	24.0	1455.5	PIIPA (ppb)	2.0	2.0	HOURS	256.5	HOURS				

BIT RECORD

Dull Bit Condition

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
19	8 1/2	SMITH	F3OD	5,3,7	LC4410	2988	3060	72	30	2.40	13,13,13	In hole

Run #	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks
	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
27	18	21	50	60	1135	300	9791	1420	6 1/2	6 1/2	60		
					1041	275	8619	1250	6 1/2	6 1/2	55		
Run #	Drag (tonnes)		Torque (amps)		Hydraulics		AV-DC		AV-DP				
	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Imp Force	HSI	%P _{wt}	P _{wt}	
27	133	124	130	200	250	300	0.389	95	382	1.68	38	544	75
							0.389	73	321	1.29	37	457	68

JOP Test:	6/10/94	DRILLS				GEOLOGY						
Function:	6/10/94	F/Abn	MOB	Pit	Trip	Lithology			T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	10/10/94	9/10/94	11/10/94	13/10/94	13/10/94	Claystone			N/A	0.18%	0.07%	0.18%

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	En route to rig	8:00	

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1400	1145	380	2925	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Hot water (tonne)	121	115	237	473	
Drill water (tonne)	168	447	381	996	
Fuel (litres)	326,000	69,000	273,100	668,100	
Helifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	14000	500	400	14900	Daily fuel cost: \$8,880

DAILY MUD COST:	\$3,073	CUM MUD COST:-	\$448,413	VARIABLE DECK LOAD(T):	1805
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PERSONEL ON RIG:									
R & B	43	T O C	3	SVCE	7	OTHER	0	TOTAL	53
HELICOPTER FLIGHTS TO RIG :		1	PAX ON:		6	PAX OFF:		7	
Freight: 1 x rock bit									
Assorted bit nozzles									
DIM:-		J.La Fleur		GEOLOGIST:-		S. Falloon		DRLG ENG:-	
						V. Tilley		DRLG SUPV:-	
								H. Flink	

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		12:00	23:00	Bit Run	27	Bit Run		Depth:	3103m @ 1.19 sg	
Jacking		1.5	Mud type	klc/pha	klc/pha	Descr.	Length	Desc.	Length	#1	SPR	#2
P/U-L/D BHA		45.0	Mud wt. SG	1.19	1.19	Bit	0.25			390	<-20->	375
Drilling	23.5	794.5	Funnel Vis	60	63	Float sub	0.93			550	<-30->	550
Reaming		30.0	PV/YP	35/40	35/46	1x6 1/2" DC	9.49			760	<-40->	750
Circ. & cond.		52.0	Gels	5/7	6/9	R/Reamer	1.58					
Trips		213.5	API W/L	3.3	3.6	2x6 1/2" DC	19.04					
Survey		6.0	Calc (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	Pf/Mf	0.05/8	0/0.8	X/O	0.62					
Cement		32.5	KCl %	7.0	8.0	Flex Jt	3.41					
N/U test BOP		85.0	Cl (ppm)	53000	50000	Jars	7.13					
Rig main/repair	0.5	29.5	K (ppm)	36650	41890	12 HWDP	112.46					
Coring		0.0	Tot. hardness mg/l	660	720							
Weather			pH	8.5	7.5							
DST			Solids %	11.0	11.0							
P & A			Water %	86.0	86.0	TOTAL	317.85	TOTAL				
Fishing		8.5	Sand %	0.20	0.10	JAR	EQ	PDM				
Other LOT		41.5	MBC(ppb)	5.0	5.0	SER No.	911346	SER No				
Total	24.0	1479.5	PHPA (ppb)	1.8	1.8	HOURS	280.0	HOURS				

BIT RECORD

Bit #	Size	Make	Type	LADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	Dull Bit Condition	
19	8 1/2	SMITH	F3OD	5,3,7	LC4410	2988	3113	125	53.5	2.34	13,13,13	In hole	

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
27	18	21	50	60	1041	275	8274	1200	6 1/2	6 1/2	55				
	Drag (tonnes)				Torque (amps)			Hydraulics						AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Imp Force	HSI	%P _{sk}	P _{sk}	6 1/2	5	
27	134	124	132	210	230	250	0.389	73	321	1.29	38	457	68	43	

BOP Test:	6/10/94	DRILLS					GEOLOGY						
Function:	6/10/94	F/Abn	MOB	Pit	Trip		Lithology		T/Gas	C/Gas	BG/Gas	MGU	
Rig Inspect:	10/10/94	9/10/94	11/10/94	14/10/94	13/10/94		Claystone		N/A	0.15%	0.05%	0.18%	

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	Rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1750	775	380	2905	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Hot water (tonne)	158	4.3	229	391.3	
Drill water (tonne)	267	267	381	915	
Fuel (litres)	318,000	68,000	265,000	651,000	
Helifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	8000	1000	8100	17100	Daily fuel cost: \$10,192

DAILY MUD COST:	\$26,781	CUM MUD COST:-	\$475,195	VARIABLE DECK LOAD(T):	1936
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PERSONEL ON RIG:									
R & B	42	T O C	3	SVCE	7	OTHER	0	TOTAL	52

HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	2	PAX OFF:	3
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Freight:	
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OIM:-	W.Parsell	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		12:00	23:00	Bit Run	27	Bit Run		Depth:	3161m @ 1.19 sg	
Drilling		1.5	Mud type	kol/phpa	kol/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
U-L/D BHA		45.0	Mud wt. SG	1.19	1.19	Bit	0.25			375	<-20->	380
Drilling	23.5	818.0	Funnel Vis	66	63	Float sub	0.93			500	<-30->	550
Reaming		30.0	PV/YP	38/49	35/45	1x6 1/2" DC	9.49			725	<-40->	730
rc. & cond.		52.0	Gels	6/9	6/9	R/Reamer	1.58					
ips		213.5	API W/L	3.0	3.3	2x6 1/2" DC	19.04					
Survey		6.0	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
using		49.5	Pf/Mf	0.05/.6	0.05/.75	X/O	0.62					
ment		32.5	KCl %	7.0	7.6	Flcx Jt	3.41					
N/U test BOP		85.0	Cl (ppm)	53000	48000	Jars	7.13					
g main/repair	0.5	30.0	K (ppm)	36650	39790	12 HWDP	112.46					
oring		0.0	Tot. hardness mg/l	680	680							
weather			pH	8.0	8.3							
DST			Solids %	10.5	10.5							
& A			Water %	86.5	86.5	TOTAL	317.85	TOTAL				
shing		8.5	Sand %	0.10	tr	JAR	EQ	PDM				
Other LOT		41.5	MBC(ppb)	4.0	5.5	SER No.	911346	SER No				
Total	24.0	1503.5	PHPA (ppb)	2.0	2.0	HOURS	303.5	HOURS				

BIT RECORD

Dull Bit Condition

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth Out	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
19	8 1/2	SMITH	F3OD	5,3,7	LC4410	2988	3162	174	77	2.26	13,13,13	In hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
27	18	21	50	60	1041	275	8619	1250	6 1/2	6 1/2	55				
	Drag (tonnes)		Torque (amps)			Hydraulics								AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Imp Force	HSI	%P _{BM}	P _{BM}	6 1/2	5	
27	135	128	134	210	230	250	0.389	73	321	1.29	37	457	68	43	

BOP Test:	6/10/94	DRILLS					GEOLOGY				
Function:	6/10/94	F/Abn	MOB	Pit	Trip		Lithology	T/Gas	C/Gas	BG/Gas	MGU
g Inspect:	10/10/94	9/10/94	11/10/94	15/10/94	13/10/94		Claystone	N/A	0.18%	0.05%	0.10%

Last LTA:	20/09/94	Last incident:	23/09/94
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ORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	En route to Darwin	8:00	
LADY PENELOPE	Rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
rite (sacks)	2120	0	380	2500	
Bentonite (sacks)	250	0	995	1245	
ment (sacks)	1000	0	0	1000	
t water (tonne)	139	40	225	404	
ill water (tonne)	250	267	381	898	
Fuel (litres)	306,000	67,500	264,600	638,100	
lifuel (litres)	1687	0	0	1687	
el last 24 hrs (litres)	12000	500	400	12900	Daily fuel cost: \$7,688

DAILY MUD COST:	\$3,572	CUM MUD COST:-	\$478,767	VARIABLE DECK LOAD(T):	1886
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PERSONEL ON RIG:																		
A & B		42	T O C		3	SVCE		7	OTHER		0	TOTAL		52				
HELICOPTER FLIGHTS TO RIG :					PAX ON:				PAX OFF:									
eight:																		
CIM:-		W.Parsell			GEOLOGIST:-			S. Falloon			DRLG ENG:-		V. Tilley		DRLG SUPV:-		H. Flink	

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	3167m	Report Number:	64
Permit No:	EP-32	Last Csg:	9 5/8"	Report Date:	16/10/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	2543.5m	Start Date:	14/08/94
Contractor:	Reading & Bates	FLOT:	1.32 SG	Days on Location:	63
		M. Last 24hrs:	5m	Days Since Spud:	62

RIG POSITION:	Latitude: 14deg 34mins 24.204sec.S (AGD 66/67)			Longitude: 129deg 25mins 17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23 13m(lat)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	16/10/94
0:00	1:30	1.50	Drilled 8 1/2" hole from 3162m to 3164m (ROP reduced to 1.5-1.8 m/hr)		
1:30	3:00	1.50	Pumped 5 bbls LCM pill & circulated bottoms up		
3:00	3:30	0.50	Dropped survey & allowed to gravitate - Flow checked & pumped slug		
3:30	8:30	5.00	POH - Back reamed tight hole from 3012m to 2983m - Max overpull 45t		
8:30	9:00	0.50	Pulled wear bushing		
9:00			Tested BOP - Wellhead valves/Top of csg to 300/1500 psi, TPR, LPR, Shear ram, Choke/Kill valves to 330/5000 psi/5 min		
	12:00	3.00	- Annular preventer to 300/3500 psi/5 min, Choke manifold/Standpipe manifold to 300/5000 psi		
12:00	12:30	0.50	Set wear bushing		
12:30	13:00	0.50	Tesed BOP - Upper/Lower IBOP, Gray valve to 300/5000psi		
13:00	13:30	0.50	Responded to abandon ship alarm - Secured well & prepared to muster - False alarm		
13:30	15:30	2.00	Continued test BOP - Upper/Lower IBOP, Gray valve to 300/5000psi - Accumulator & remote panel tested		
15:30	20:30	5.00	Made up bit #20 changed out jars and RIH to 9 5/8" casing shoe. Broke circulation at 1280m and at 2543m		
20:30	21:30	1.00	Slipped & cut drilling line		
21:30	22:00	0.50	Serviced TDS		
22:00	22:30	0.50	Continued RIH to 2132m		
22:30	23:00	0.50	Precautionary washed from 2132m to 3164m - No drag & no tight hole		
23:00	0:00	1.00	Broke in bit & drilled 8 1/2" hole from 3164m to 3167m. (1 jet nozzle plugged)		
REF!					
TOTAL		24.00			

Operations Summary: 0000-0600 hrs				Date:	17/10/94
0:00	6:00	6.00	Drilled 8 1/2" hole from 3167m to 3183m		

Program next 24 hrs: Drill 8 1/2" hole

SURVEYS

Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type
3164m	3deg										Totco Inclination

FE No.	SBD	Daily Cost:	\$123,574	Drilling Superintendent:	Approved:	F.D.Barker
		CummulativeCost:	\$9,736,047			

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		12:00	23:00	Bit Run	28	Bit Run		Depth:	3172m @ 1.2 sg	
Jacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
7U-L/D BHA		45.0	Mud wt. SG	1.19	1.19	Bit	0.25			475	<-20->	425
Drilling	2.5	820.5	Funnel Vis	68	70	Float sub	0.93			740	<-30->	760
Reaming	0.5	30.5	PV/YP	36/46	35/46	1x6 1/2" DC	9.49			1000	<-40->	950
Circ. & cond.	1.5	53.5	Gels	6/9	6/9	R/Reamer	1.58					
Rips	10.5	224.0	API W/L	3.3	3.2	2x6 1/2" DC	19.04					
Survey	0.5	6.5	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Washing		49.5	PE/Mf	.05/6	.05/8	X/O	0.62					
ement		32.5	KCl %	7.0	7.4	Flex Jt	3.41					
N/U test BOP	6.5	91.5	Cl (ppm)	52000	50000	Jars	7.02					
Rig main/repair	1.5	31.5	K (ppm)	36650	38750	12 HWDP	112.46					
oring		0.0	Tot. hardness mg/l	680	680							
Weather			pH	8.7	8.4							
DST			Solids %	10.5	10.5							
& A			Water %	86.5	86.5	TOTAL	317.74	TOTAL				
ishing		8.5	Sand %	0.10	0.10	JAR	EQ	JAR	EQ	PDM		
Other F&A	0.5	42.0	MBC(ppb)	4.0	5.0	SER No.	911346	SER No	931391	SER No		
Total	24.0	1527.5	PHPA (pph)	2.0	2.0	HOURS	305.0	HOURS	1.0	HOURS		

BIT RECORD												Dull Bit Condition			
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L
19	8 1/2	SMITH	F3OD	5,3,7	LC4410	2988	3164	176	78.5	2.24	13,13,13	4	4	FC	A
20	8 1/2	SMITH	F3OD	5,3,7	KX8464	3164	3167	3	1	3.00	13,13,13			In hole	

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
28	5	21	50	60	1097	290	12066	1750	6 1/2	6 1/2	58		1 nozzle plugged		
	Drag (tonnes)				Torque (amps)			Hydraulics						AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Impact Force	HSI	%P _{max}	P _{max}	6 1/2	5	
28	137	130	135	220	230	230	0.259	193	535	3.41	65	1143	72	46	

BOP Test:	16/10/94	DRILLS				GEOLOGY				
unction:	16/10/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas
ig Inspect:	10/10/94	16/10/94	11/10/94	15/10/94	16/10/94	Claystone/Siltstone (90/10)		1.45%	0.14%	0.04%

Last LTA:	20/09/94	Last incident:	23/09/94
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VORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	2120	0	380	2500	
entonite (sacks)	250	0	995	1245	
ement (sacks)	1000	0	0	1000	
Pot water (tonne)	121	40	221	382	
Drill water (tonne)	247	267	381	895	
uel (litres)	300,000	67,500	264,200	631,700	
elifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	6000	0	400	6400	Daily fuel cost: \$3,814

DAILY MUD COST:	Nil	CUM MUD COST:-	\$478,767	VARIABLE DECK LOAD(T):	1873
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PERSONEL ON RIG:					
R & B	42	T O C	3	SERVICE	7
				OTHER	0
				TOTAL	52

HELICOPTER FLIGHTS TO RIG :	PAX ON:	PAX OFF:
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Freight:

DIM:-	W.Parsell	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	3235m	Report Number:	65
Permit No:	EP-32	Last Csg:	9 5/8"	Report Date:	17/10/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	2543.5m	Start Date:	14/08/94
Contractor:	Reading & Bates	FLOT:	1.32 SG	Days on Location:	64
		M. Last 24hrs:	68m	Days Since Spud:	63

RIG POSITION:	Latitude: 14deg 34mins 24.204sec.S (AGD 66/67)			Longitude: 129deg 25mins 17.253secsE	
Stary to Seabed:	67m	Air Gap to MSL:	7.23 13m(lat)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	17/10/94
0:00	0:00	24.00	Drilled 8 1/2" hole from 3167m to 3235m		
			Estimated average down hole losses for past 24 hrs is 1.5 bbls/hr		
TOTAL		24.00			

Operations Summary: 0000-0600 hrs				Date:	18/10/94
0:00	6:00	6.00	Drilled 8 1/2" hole from 3235m to 3248m		

Program next 24 hrs:	Drill 8 1/2" hole
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SURVEYS

Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type
AFE No.		SBD	Daily Cost:		\$119,881		Drilling Superintendent:		Approved:		F.D.Barker
			Cumulative Cost:		\$9,855,928						

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
				10:00	23:00	Bit Run	28	Bit Run		Depth:	3219 @ 1.19 sg	
Rig move		25.5										
Jacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
U-L/D BHA		45.0	Mud wt. SG	1.19	1.195	Bit	0.25			475	<-20->	480
Drilling	24.0	844.5	Funnel Vis	64	65	Float sub	0.93			740	<-30->	750
Reaming		30.5	PV/YP	36/44	37/51	1x6 1/2" DC	9.49			1000	<-40->	1075
Circ. & cond.		53.5	Gels	5/9	6/8	R/Reamer	1.58					
Rips		224.0	API W/L	3.5	3.0	2x6 1/2" DC	19.04					
Survey		6.5	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Masing		49.5	Pf/Mf	0.05/0.5	0/0.7	X/O	0.62					
ement		32.5	KCl %	5.8	7.6	Flex Jt	3.41					
N/U test BOP		91.5	Cl (ppm)	49000	49000	Jars	7.02					
Rig main/repair		31.5	K (ppm)	30370	39790	12 HWDP	112.46					
oring		0.0	Tot. hardness mg/l	920	860							
Weather			pH	8.5	8.0							
DST			Solids %	10.5	10.5							
& A			Water %	86.5	86.5	TOTAL	317.74	TOTAL				
ishing		8.5	Sand %	0.10	0.10	JAR	EQ	JAR				
Other		42.0	MBC(ppb)	4.0	5.0	SER No.	931391	SER No				
Total	24.0	1551.5	PHPA (pph)	2.0	2.0	HOURS	25.0	HOURS				

BIT RECORD

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	Dull Bit Condition									
20	8 1/2	SMITH	F30DL	5,3,7	KX8464	3164	3235	71	25	2.84	13,13,13	In Hole									

Run #	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks
	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
28	18	21	50	60	1097	290	12342	1790	6 1/2	6 1/2	58		1 nozzle plugged

Run #	Drag (tonnes)			Torque (amps)			Hydraulics					AV-DC	AV-DP
	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Imp Force	HSI	%P _{ME}	P _{ME}	
28	138	129	136	240	260	270	0.259	193	537	3.41	64	1143	72 5

BOP Test:	16/10/94	DRILLS				GEOLOGY				
unction:	16/10/94	F/Abn	MOB	Pit	Trip	Lithology	T/Gas	C/Gas	BG/Gas	MGU
ig Inspect:	16/10/94	16/10/94	11/10/94	17/10/94	16/10/94	Claystone/Siltstone (90/20)	1.45%	0.55%	0.13%	0.29%

Last LTA:	20/09/94	Last incident:	23/09/94
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VORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	2120	0	380	2500	
Bentonite (sacks)	250	0	995	1245	
ement (sacks)	1000	0	0	1000	
ot water (tonne)	98	40	217	355	
Drill water (tonne)	235	267	381	883	
uel (litres)	289,000	67,500	263,600	620,100	
eliefuel (litres)	1687	0	0	1687	
uel last 24 hrs (litres)	11000	0	600	11600	Daily fuel cost: \$6,914

DAILY MUD COST:	\$3,857	CUM MUD COST:-	\$482,624	VARIABLE DECK LOAD(T):	1832
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PERSONEL ON RIG:									
R & B	42	T O C	3	SERVICE	6	OTHER	0	TOTAL	51

HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	10	PAX OFF:	11
Height:					

OIM:-	W.Parsell	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		11:00	0:00	Bit Run	28	Bit Run		Depth:	3248m @ 1.19 sg	
Jacking		1.5	Mud type	klc/pha	klc/pha	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		45.0	Mud wt. SG	1.20	1.25	Bit	0.25			450	<-20->	450
Drilling	16.0	860.5	Funnel Vis	69	67	Float sub	0.93			720	<-30->	700
Reaming		30.5	PV/YP	40/54	43/53	1x6 1/2" DC	9.49			1005	<-40->	975
Circ. & cond.	7.5	61.0	Gels	6/8	6/8	R/Reamer	1.58					
Trips		224.0	API W/L	2.8	3.0	2x6 1/2" DC	19.04					
Survey		6.5	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		65.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	Pf/Mf	0/0.6	0/0.7	X/O	0.62					
Ccmcnt		32.5	KCl %	7.6	7.6	Flcx Jt	3.41					
N/U test BOP		91.5	Cl (ppm)	49000	49000	Jars	7.02					
Rig main/repair	0.5	32.0	K (ppm)	39790	39790	12 HWDP	112.46					
Coring		0.0	Tot. hardness mg/l	880	880							
Weather			pH	7.8	8.0							
DST			Solids %	11.0	13.0							
P & A			Water %	86.0	84.0	TOTAL	317.74	TOTAL				
Fishing		8.5	Sand %	tr	0.25	JAR	EQ	JAR				
Other		42.0	MBC(ppb)	5.0	5.0	SER No.	931391	SER No.				
Total	24.0	1575.5	PHPA (ppb)	2.0	2.0	HOURS	41.0	HOURS				

BIT RECORD										Dull Bit Condition		
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
20	8 1/2	SMITH	F30DL	5,3,7	KX8464	3164	3270	106	41	2.59	13,13,13	In Hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	I. P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
28	18	21	50	55	1097	290	12342	1790	6 1/2	6 1/2	58		1 nozzle plugged	
					946	250	10942	1587	6 1/2	6 1/2		50		
	Drag (tonnes)			Torque (amps)			Hydraulics						AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Imp Force	HSI	%P _{max}	P _{max}	6 1/2	5
28	138	132	135	205	275	275	0.259	194	562	3.42	64	1148	72	46
													62	40

BOP Test:	16/10/94	DRILLS				GEOLOGY					
Function:	16/10/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	16/10/94	16/10/94	11/10/94	18/10/94	16/10/94	Claystone		N/A	0.37%	0.16%	28.90%

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Darwin		
LADY PENELOPE	Rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1820	0	380	2200	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	65	40	213	318	
Drill water (tonne)	217	267	381	865	
Fuel (litres)	279,000	58,000	263,000	600,000	
Helifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	10000	9500	600	20100	Daily fuel cost: \$11,980

DAILY MUD COST:	\$12,912	CUM MUD COST:-	\$495,536	VARIABLE DECK LOAD(T):	1749
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PERSONEL ON RIG:					
R & B	43	T O C	3	SERVICE	12
				OTHER	0
				TOTAL	58
HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	7	PAX OFF:	0
Freight:					
OIM:-	W.Parsell	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley
				DRLG SUPV:-	H. Flink

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	3270m	Report Number:	67
Permit No:	EP-32	Last Csg:	9 5/8"	Report Date:	19/10/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	2543.5m	Start Date:	14/08/94
Contractor:	Reading & Bates	FLOT:	1.32 SG	Days on Location:	66
		M. Last 24hrs:	0m	Days Since Spud:	65

RIG POSITION:	Latitude: 14deg 34mins 24.204sec.S (AGD 66/67)			Longitude: 129deg 25mins 17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23 13m(lat)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	19/10/94
0:00	1:00	1.00	Circulated. Spotted 10 bbls LCM on bottom		
1:00	2:00	1.00	POH to 3180m. Flow checked & circulated 15 mins - RIH to 3270m		
2:00	4:00	2.00	Circulated bottoms up - B/G gas at 0.4%, max gas at B/Up 0.7% (Circulating losses at 4 bbls/hr - Static losses Nil		
4:00	4:30	0.50	POH to 3000m		
4:30	5:00	0.50	Flow checked & spotted 25 bbls LCM at 3000m		
5:00	6:00	1.00	Continued POH to 9 5/8" casing shoe at 2543m - flow check, static		
6:00	7:00	1.00	RIH to 3270m		
7:00	10:00	3.00	Circulated hole clean / gas free (Max gas 2.28%)		
10:00	16:30	6.50	POH		
16:30	17:00	0.50	Rigged up Schlumberger		
17:00	23:30	6.50	Prepared & ran log #1 - DLL, AS, MSFL, GR, SP, AMS. (Hold up depth - 3273.5m)		
23:30	0:00	0.50	Prepared & ran log #2 - LDL, CNL, NGS, AMS		
TOTAL	24.00				

perations Summary: 0000-0600 hrs			Date:	20/10/94
0:00	5:30	5.50	Continued log #2 - LDI., CNL, NGS, AMS. Tool stuck briefly at 3038m (top of tool at 3014m)	
5:30	6:00	0.50	Prepared Log #3 - SHDT, GR, AMS	

Program next 24 hrs: Log / Make conditioning trip

SURVEYS

Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type

FE No.	SBD	Daily Cost:	\$170,554	Drilling Superintendent:	Approved:	F.D.Barker
		Cumulative Cost:	\$10,161,581			

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		9:00	21:00	Bit Run	28	Bit Run		Depth:		
Jacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
N/U-L/D BHA		45.0	Mud wt. SG	1.25	1.26	Bit	0.25				<-20->	
Drilling		860.5	Funnel Vis	74	76	Float sub	0.93				<-30->	
Reaming		30.5	PV/YP	42/51	43/52	1x6 1/2" DC	9.49				<-40->	
Circ. & cond.	6.5	67.5	Gels	7/9	7/9	R/Reamer	1.58					
Rips	10.0	234.0	API W/L	2.7	2.6	2x6 1/2" DC	19.04					
Survey		6.5	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging	7.5	72.5	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	Pf/Mf	0/0.6	0/0.6	X/O	0.62					
Cement		32.5	KCl %	7.8	7.6	Flex Jt	3.41					
N/U test BOP		91.5	Cl (ppm)	50000	50000	Jars	7.02					
Rig main/repair		32.0	K (ppm)	40840	39790	12 HWDP	112.46					
Logging		0.0	Tot. hardness mg/l	840	840							
Weather			pH	7.8	7.8							
DST			Solids %	13.0	13.5							
N & A			Water %	84.0	83.5	TOTAL	317.74	TOTAL				
Fishing		8.5	Sand %	0.25	0.35	JAR	EQ	JAR				
Other		42.0	MBC(ppb)	5.0	5.0	SER No.	931391	SER No				
Total	24.0	1599.5	PHPA (ppb)	2.0	2.0	HOURS	41.0	HOURS				

BIT RECORD											Dull Bit Condition				
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth Out	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L
20	8 1/2	SMITH	F30DL	5,3,7	KX8464	3164	3270	106	41	2.59	13,13,13	3	3	FC	A
															BT LOG

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
28	18	21	50	55	946	250	10894	1580	6 1/2	6 1/2	50		1 nozzle plugged		
	Drag (tonnes)			Torque (amps)			Hydraulics							AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Imp Force	HSI	%P _{hm}	P _{hm}	6 1/2	5	
28	138	132	135	205	275	275	0.259	130	421	2.29	56	893	62	40	

BOP Test:	16/10/94	DRILLS				GEOLOGY					
Function:	16/10/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Log Inspect:	16/10/94	16/10/94	11/10/94	19/10/94	19/10/94			-	-	-	-

Last LTA:	20/09/94	Last Incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	En route to Rig		
LADY PENELOPE	Rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	2020	0	0	2020	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Hot water (tonne)	161	237	69	467	
Drill water (tonne)	204	250	381	835	
Fuel (litres)	271,000	257,000	262,100	790,100	
Helifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	8000	1000	900	9900	Daily fuel cost: \$5,900

DAILY MUD COST:	\$1,313	CUM MUD COST:-	\$496,848	VARIABLE DECK LOAD(T):	1841
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PERSONEL ON RIG:					
R & B	43	T O C	4	SERVICE	12
				OTHER	0
				TOTAL	59

HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	1	PAX OFF:	0
Freight:					

OIM:-	W.Parsell	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink
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TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	3270m	Report Number:	68
Permit No:	EP-32	Last Csg:	9 5/8"	Report Date:	20/10/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	2543.5m	Start Date:	14/08/94
Contractor:	Reading & Bates	FLOT:	1.32 SG	Days on Location:	67
		M. Last 24hrs:	0m	Days Since Spud:	66

RIG POSITION:	Latitude: 14deg 34mins 24.204sec.S (AGD 66/67)			Longitude: 129deg 25mins 17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23 13m(lat)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	20/10/94
0:00	5:30	5.50	Continued run log #2 - LDL, CNL, NGS, AMS - Tool stuck briefly at 3038m (top of tool at 3014m)		
5:30	8:30	3.00	Prepared & ran Log #3 - SHDT, GR, AMS -- Tool malfunctioned, POH & repaired same		
8:30	9:00	0.50	Fire in emergency generator room - Alarm sounded & well secured. -- Fire extinguished & all clear sounded		
9:00	10:00	1.00	Continued repairs on SHDT.		
10:00	12:00	2.00	Re ran log #3 - SHDT, GR, AMS -- Tool malfunctioned, POH and repaired same.		
12:00	15:00	3.00	Re ran log #3 - SHDT, GR (No AMS)		
15:00	15:30	0.50	Rigged down Schlumberger		
15:30	18:00	2.50	Made up 8 1/2" bit #21 (No jets) and RIH to casing shoe at 2543m		
18:00	18:30	0.50	Serviced TDS		
18:30	19:30	1.00	Continued RIH to 3248m		
19:30	20:00	0.50	Filled pipe and washed and rotated slowly to bottom - No drag, 5m fill		
20:00	22:30	2.50	Circulated hole clean & gas free. No significant cuttings over shakers.		
22:30	23:00	0.50	Flow checked, pumped slug. No losses.		
23:00	0:00	1.00	POH		
TOTAL		24.00			

Operations Summary: 0000-0600 hrs			Date: 21/10/94		
0:00	4:30	4.50	Continued POH (Lost 51 bbls mud in excess of theoretical fill up)		
4:30	5:00	0.50	Rigged up Schlumberger		
5:00	6:00	1.00	Prepared & ran log #4 MSCT, GR, AMS (12 samples). Static losses at 4.5 bbls/hr		

Program next 24 hrs:	Log / RIH to drill
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SURVEYS

Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type
AFE No.			SBD	Daily Cost:		\$187,306	Drilling Superintendent:		Approved: F.D.Barker		
				Cumulative Cost:		\$10,348,887					

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		22:00	Bit Run	29	Bit Run		Depth:		
Jacking		1.5	Mud type	kol/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
P/U-L/D BHA		45.0	Mud wt. SG	1.26	Bit	0.25				<-20->	
Drilling		860.5	Funnel Vis	68	Float sub	0.93				<-30->	
Reaming		30.5	PV/YP	39/50	1x6 1/2" DC	9.49				<-40->	
Circ. & cond.	3.0	70.5	Gels	7/9	R/Reamer	1.58					
Trips	5.0	239.0	API W/L	2.8	2x6 1/2" DC	19.04					
Survey		6.5	Cake (mm)	0.5	Stab	1.66					
Electrio logging	15.0	87.5	Glycol %	3.0	17x6 1/2"DC	161.28					
Casing		49.5	PF/Mf	0/0.6	X/O	0.62					
Cement		32.5	KCl %	7.4	Flex Jt	3.41					
N/U test BOP		91.5	Cl (ppm)	50000	Jars	7.02					
Rig main/repair	0.5	32.5	K (ppm)	38750	12 HWDP	112.46					
Coring		0.0	Tot. hardness mg/l	840							
Weather			pH	7.8							
DST			Solids %	13.0							
P & A			Water %	84.0	TOTAL	317.74	TOTAL				
Fishing		8.5	Sand %	0.25	JAR	EQ	JAR				
Other F&A	0.5	42.5	MBC(ppb)	5.0	SER No.	931391	SER No				
Total	24.0	1623.5	PHPA (ppb)	2.0	HOURS	41.0	HOURS				

BIT RECORD											Dull Bit Condition				
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L
21	8 1/2	REED	EHP53ALK	5,3,7	DM6540	3270	3270	0	0		OPEN	In hole			

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
29	-	-	-	-	946	250	5171	750	6 1/2	6 1/2	50			

	Drag (tonnes)			Torque (amps)			Hydraulics						AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Impact F.	HSI	%P _{ht}	P _{ht}	6 1/2	5
29	141	134	138	205	275	275	3.286	1	33	0.01	1	6	62	40

BOP Test:	16/10/94	DRILLS				GEOLOGY					
Function:	16/10/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	16/10/94	16/10/94	11/10/94	19/10/94	20/10/94			3.90%	-	0.15%	3.90%

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	En route to Darwin	13:00	

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1940	0	0	1940	
Bentonite (sacks)	250	0	995	1245	
Cement (sacks)	1000	0	0	1000	
Pot water (tonne)	139	231	65	435	
Drill water (tonne)	198	296	381	875	
Fuel (litres)	263,000	248,000	259,400	770,400	
Helifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	8000	9000	2700	19700	Daily fuel cost: \$11,741

DAILY MUD COST:	\$1,692	CUM MUD COST:-	\$498,540	VARIABLE DECK LOAD(T):	1828
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PERSONEL ON RIG:					
R & B	43	T O C	5	SERVICE	13
OTHER	0	TOTAL	61		
HELICOPTER FLIGHTS TO RIG :	1	PAX ON:	14	PAX OFF:	12
Freight:	P. Weaver Y. Watanabe				
OIM:-	W.Parsell	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley
				DRLG SUPV:-	H. Flink

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	3270m	Report Number:	69
Permit No:	EP-32	Last Csg:	9 5/8"	Report Date:	21/10/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	2543.5m	Start Date:	14/08/94
Contractor:	Reading & Bates	FLOT:	1.32 SG	Days on Location:	68
		M. Last 24hrs:	0m	Days Since Spud:	67

RIG POSITION:	Latitude: 14deg 34mins 24.204sec.S (AGD 66/67)			Longitude: 129deg 25mins 17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23 13m(lat)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	21/10/94
0:00	4:30	4.50	Continued POH. (Lost 51 bbls mud in excess of theoretical fill up)		
4:30	5:00	0.50	Rigged up Schlumberger		
5:00	9:30	4.50	Prepared & ran log #4 MSCT, GR, AMS (12 samples - 100% recovery)		
9:30	14:30	5.00	Prepared & ran log #5 SAT, GR (19 levels)		
14:30	18:30	4.00	Prepared & ran log #6 CST, GR (15 shots - 100% recovery)		
18:30	19:00	0.50	Rigged down Schlumberger		
19:00	0:00	5.00	Made up 8 1/2" bit & RIH assembly #30 to 3010m. (Filled pipe at 1272m and at casing shoe)		
			(Losses while logging 4 bbls/hr)		
			(Losses while running in hole at 8 bbls/hr)		
TOTAL		24.00			

Operations Summary: 0000-0600 hrs				Date:	22/10/94
0:00	0:30	0.50	Spotted 10 bbls LCM at 3000m & allowed to soak 15 minutes - Static losses, nil		
0:30	1:00	0.50	Continued RIH to 3250m - Flow checked static		
1:00	1:30	0.50	Broke circulation & washed down to 3270m (5m fill) - Surged for junk		
1:30	6:00	4.50	Drilled 8 1/2" hole from 3270m to 3275m (Trip gas 0.9%, Gas peak from 3273.5m - 6.45%)		

Program next 24 hrs:	Drill 8 1/2" hole
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SURVEYS

Depth	Inc	Az		Depth	Inc	Az		Depth	Inc	Az	Survey Type

AFE No.	SBD	Daily Cost:	\$211,690	Drilling Superintendent:	Approved:	F.D.Barker
		Cumulative Cost:	\$10,560,577			

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		0:00	Bit Run	30	Bit Run		Depth:		
Jacking		1.5	Mud type	klc/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
U-L/D BHA		45.0	Mud wt. SG	1.26	Bit	0.25				<-20->	
Drilling		860.5	Funnel Vis	77	Float sub	0.93				<-30->	
Reaming		30.5	PV/YP	41/51	1x6 1/2" DC	9.49				<-40->	
Circ. & cond.		70.5	Gels	7/10	R/Reamer	1.58					
Rips	9.5	248.5	API W/L	2.8	2x6 1/2" DC	19.04					
Survey		6.5	Cake (mm)	0.5	Stab	1.66					
Electric logging	14.5	102.0	Glycol %	3.0	17x6 1/2"DC	161.28					
asing		49.5	PF/MF	0/0.7	X/O	0.62					
ement		32.5	KCl %	7.8	Flex Jt	3.41					
N/U test BOP		91.5	Cl (ppm)	49000	Jars	7.02					
Rig main/repair		32.5	K (ppm)	40840	12 HWDP	112.46					
oring		0.0	Tot. hardness mg/l	820							
.eather			pH	8.0							
DST			Solids %	13.0							
& A			Water %	84.0	TOTAL	317.74	TOTAL				
ishing		8.5	Sand %	0.20	JAR	EQ	JAR				
Other F&A		42.5	MBC(ppb)	5.0	SER No.	931391	SER No				
Total	24.0	1647.5	PHPA (ppb)	1.9	HOURS	41.0	HOURS				

BIT RECORD											Dull Bit Condition		
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R	
21 (RR)	8 1/2	REED	EHP53ALK	5,3,7	DM6540	3270	3270	0	0		OPEN	In hole	

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
30	10	21	50	60	965	255	5240	760	6 1/2	6 1/2	51				
	Drag (tonnes)				Torque (amps)			Hydraulics						AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btn	On Btn	Max	TFA	HHP	Impact F.	HSI	%P _{sk}	P _{sk}	6 1/2	5	
30	140	134	137	205	250	270	3.286	1	35	0.02	1	6	63	40	

BOP Test:	16/10/94	DRILLS				GEOLOGY							
unction:	16/10/94	F/Abn	MOB	Pht	Trip	Lithology				T/Gas	C/Gas	BG/Gas	MGU
ig Inspect:	16/10/94	16/10/94	11/10/94	19/10/94	21/10/94	Claystone/siltst/sandst(60/20/20)				0.90%	-	0.18%	6.45%

Last LTA:	20/09/94	Last incident:	23/09/94
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VORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	Rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1720	0	0	1720	
entonite (sacks)	250	0	995	1245	
ement (sacks)	1000	0	0	1000	
Pot water (tonne)	121	225	90	436	
Drill water (tonne)	140	296	381	817	
uel (litres)	254,000	247,500	254,000	755,500	
eliefuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	9000	500	5400	14900	Daily fuel cost: \$8,880

DAILY MUD COST:	\$27,613	CUM MUD COST:-	\$526,153	VARIABLE DECK LOAD(T):	1191
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PERSONEL ON RIG:										
R & B	43	TOC	5	SERVICE	13	OTHER	0	TOTAL	61	
HELICOPTER FLIGHTS TO RIG :		0	PAX ON:			PAX OFF:				
Weight:										
P. Weaver Y. Watanabe										
DIM:-		W.Parsell	GEOLOGIST:-		S. Falloon	DRLG ENG:-		V. Tilley	DRLG SUPV:-	H. Flink

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		11:00	23:00	Bit Run	30	Bit Run		Depth:	3296m @ 1.25 sg	
Jacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	SPR	#2
W/U-L/D BHA		45.0	Mud wt. SG	1.25	1.25	Bit	0.25			290	<-20->	300
Drilling	22.5	883.0	Funnel Vis	61	66	Float sub	0.93			425	<-30->	380
Reaming	0.5	31.0	PV/YP	39/42	40/45	1x6 1/2" DC	9.49			575	<-40->	520
Circ. & cond.	0.5	71.0	Gels	6/8	6/8	R/Reamer	1.58					
Rips	0.5	249.0	API W/L	2.6	2.5	2x6 1/2" DC	19.04					
Survey		6.5	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		102.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	Pf/Mf	0/6	0/7	X/O	0.62					
ement		32.5	KCl %	7.4	7.4	Flex Jt	3.41					
N/U test BOP		91.5	Cl (ppm)	47000	46000	Jars	7.02					
Rig main/repair		32.5	K (ppm)	38750	38750	12 HWDP	112.46					
Logging		0.0	Tot. hardness mg/l	820	820							
Weather			pH	7.8	8.0							
DST			Solids %	12.5	12.5							
& A			Water %	84.5	84.5	TOTAL	317.74	TOTAL				
ishing		8.5	Sand %	0.50	0.30	JAR	EQ	JAR				
Other F&A		42.5	MBC(ppb)	4.5	4.5	SER No.	931391	SER No				
Total	24.0	1671.5	PHPA (ppb)	2.0	2.0	HOURS	63.5	HOURS				

BIT RECORD

Dull Bit Condition

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
21 (RR)	8 1/2	REED	EHP53ALK	5,3,7	DM6540	3270	3298	28	22.5	1.24	OPEN	In hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
30	20	21	50	60	965	255	5240	760	6 1/2	6 1/2	51				
	Drag (tonnes)				Torque (amps)			Hydraulics						AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Impact F.	HSI	%P _{th}	P _{th}	6 1/2	5	
30	144	133	138	210	230	250	3.286	1	34	0.02	1	6	63	40	

BOP Test:	16/10/94	DRILLS					GEOLOGY					
unction:	16/10/94	F/Abn	MOB	Pft	Trip		Lithology		T/Gas	C/Gas	BG/Gas	MGU
ig Inspect:	16/10/94	16/10/94	11/10/94	22/10/94	21/10/94		Claystone/sandstone(90/10)		0.95%	n/a	0.18%	6.45%

Last LTA:	20/09/94	Last incident:	23/09/94
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VORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	Rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1630	0	0	1630	
entonite (sacks)	250	0	995	1245	
ement (sacks)	1000	0	0	1000	
Pot water (tonne)	99	225	124	448	
Drill water (tonne)	98	296	330	724	
uel (litres)	246,000	246,500	241,700	734,200	
eliefuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	8000	1000	12300	21300	Daily fuel cost: \$12,695

DAILY MUD COST:	\$6,043	CUM MUD COST:-	\$532,196	VARIABLE DECK LOAD(T):	1717
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PERSONEL ON RIG:									
R & B	43	T O C	4	SERVICE	11	OTHER	0	TOTAL	58
ELICOPTER FLIGHTS TO RIG :	1	PAX ON:	0	PAX OFF:	3				
Weight: Geo samples	1 box								
P. Weaver									
QIM:-	W.Parsell	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink		

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time		Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5		9:00	23:00	Bit Run	30	Bit Run		Depth:	3324m @ 1.25 sg	
Jacking		1.5	Mud type	kcl/phpa	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
N/U-L/D BHA		45.0	Mud wt. SG	1.25	1.25	Bit	0.25			350	<-20->	350
Drilling	23.5	906.5	Funnel Vis	64	65	Float sub	0.93			500	<-30->	510
Keaming		31.0	PV/YP	40/47	40/48	1x6 1/2" DC	9.49			600	<-40->	625
Circ. & cond.		71.0	Gels	6/9	7/9	R/Reamer	1.58					
Rips		249.0	API W/L	2.6	2.8	2x6 1/2" DC	19.04					
Survey		6.5	Cake (mm)	0.5	0.5	Stab	1.66					
Electric logging		102.0	Glycol %	3.0	3.0	17x6 1/2"DC	161.28					
Casing		49.5	Pf/Mf	0/0.7	0/0.65	X/O	0.62					
ement		32.5	KCl %	7.2	7.2	Flex Jt	3.41					
N/U test BOP		91.5	Cl (ppm)	46000	47000	Jars	7.02					
Rig main/repair	0.5	33.0	K (ppm)	37700	37700	12 HWDP	112.46					
oring		0.0	Tot. hardness mg/l	800	840							
Weather			pH	8.0	7.7							
DST			Solids %	12.5	12.5							
N & A			Water %	84.5	84.5	TOTAL	317.74	TOTAL				
ishing		8.5	Sand %	0.30	0.25	JAR	EQ	JAR				
Other F&A		42.5	MBC(ppb)	4.5	4.5	SER No.	931391	SER No				
Total	24.0	1695.5	PHPA (ppb)	2.0	2.0	HOURS	87.0	HOURS				

BIT RECORD

Dull Bit Condition

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth (out)	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
21 (RR)	8 1/2	REED	EHP53ALK	5,3,7	DM6540	3270	3322	54	47.5	1.14	OPEN	In hole

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
30	20	21	50	60	965	255	5240	760	6 1/2	6 1/2	51			
	Drag (tonnes)				Torque (amps)		Hydraulics						AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btn	On Btn	Max	TFA	HHP	Impact F.	HSI	%P _{hm}	P _{hm}	6 1/2	5
30	143	133	140	220	230	250	3.286	1	34	0.02	1	6	63	40

BOP Test:	16/10/94	DRILLS				GEOLOGY						
unction:	16/10/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU	
ig Inspect:	16/10/94	23/10/94	11/10/94	23/10/94	21/10/94	Claystone/sandstone(90/10)		N/A	1.17%	0.04%	1.27%	

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	Rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1630	0	0	1630	
entonite (sacks)	0	0	1245	1245	
ement (sacks)	1000	0	0	1000	
Pot water (tonne)	85	213	120	418	
Drill water (tonne)	212	296	185	693	
uel (litres)	234,000	246,000	240,500	720,500	
elifuel (litres)	1687	0	0	1687	
Fuel last 24 hrs (litres)	12000	500	1200	13700	Daily fuel cost: \$8,165

DAILY MUD COST:	\$3,090	CUM MUD COST:-	\$535,286	VARIABLE DECK LOAD(T):	1773
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PERSONEL ON RIG:											
R & B	43	T O C	4	SERVICE	14	OTHER	0	TOTAL	61		
ELICOPTER FLIGHTS TO RIG :	1	PAX ON:	3	PAX OFF:	0						
Height:											
NAME:-	W.Parsell	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley	DRLG SUPV:-	H. Flink				

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation	Hours	Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
rig move		25.5		16:00	Bit Run	30	Bit Run		Depth:		
Jacking		1.5	Mud type	kcl/phpa	Descr.	Length	Desc.	Length	#1	S P R	#2
U-L/D BHA		45.0	Mud wt. SG	1.25	Bit	0.25				<-20->	
Drilling	1.5	908.0	Funnel Vis	68	Float sub	0.93				<-30->	
Reaming		31.0	PV/YP	40/49	1x6 1/2" DC	9.49				<-40->	
Circ. & cond.	3.0	74.0	Gels	7/9	R/Reamer	1.58					
rips	10.0	259.0	API W/L	2.8	2x6 1/2" DC	19.04					
urvey		6.5	Cake (mm)	0.5	Stab	1.66					
Electric logging	9.5	111.5	Glycol %	3.0	17x6 1/2"DC	161.28					
asing		49.5	Pf/Mf	0/0.7	X/O	0.62					
ement		32.5	KCl %	7.2	Flex Jt	3.41					
N/U test BOP		91.5	Cl (ppm)	46000	Jars	7.02					
Rig main/repair		33.0	K (ppm)	37700	12 HWDP	112.46					
oring		0.0	Tot. hardness mg/l	840							
/eather			pH	7.9							
DST			Solids %	12.5							
& A			Water %	84.5	TOTAL	317.74	TOTAL				
ishing		8.5	Sand %	0.20	JAR	EQ	JAR				
Other F&A		42.5	MBC(ppb)	4.5	SER No.	931391	SER No				
Total	24.0	1719.5	PHPA (pph)	2.0	HOURS	88.5	HOURS				

BIT RECORD

Dull Bit Condition

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth Out	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R
21 (RR)	8 1/2	REED	EHP53ALK	5,3,7	DM6540	3270	3324	54	47.5	1.14	OPEN	4 4 WT A E 2 BT TD

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
30	20	21	50	60	965	255	5240	760	6 1/2	6 1/2	51				
	Drag (tonnes)				Torque (amps)		Hydraulics							AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Impact F.	HSI	%P _{HL}	P _{HL}	6 1/2	5	
30	142	124	140	220	230	250	3.286	1	34	0.02	1	6	63	40	

BOP Test:	16/10/94	DRILLS				GEOLOGY					
unction:	16/10/94	F/Abn	MOB	Pft	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
ig Inspect:	23/10/94	23/10/94	11/10/94	23/10/94	24/10/94	Claystone/sandstone(90/10)		1.96%	-	0.32%	0.83%

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	En route to Darwin	07:00	

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	1620	0	0	1620	
entonite (sacks)	0	0	1245	1245	
ement (sacks)	800	0	0	800	
ot water (tonne)	62	207	120	389	
Drill water (tonne)	195	296	185	676	
uel (litres)	226,000	235,700	240,500	702,200	
elifuel (litres)	667	0	0	667	
Fuel last 24 hrs (litres)	8000	4800	0	12800	Daily fuel cost: \$7,629

AILY MUD COST:	\$916	CUM MUD COST:-	\$536,201	VARIABLE DECK LOAD(T):	1724
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PERSONEL ON RIG:					
R & B	43	T O C	3	SERVICE	14
				OTHER	0
				TOTAL	60
ELICOPTER FLIGHTS TO RIG :	1	PAX ON:	11	PAX OFF:	12
eight:					
OIM:-	W.Parsell	GEOLOGIST:-	S. Falloon	DRLG ENG:-	V. Tilley
				DRLG SUPV:-	H. Flink

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Well Name:	Sunbird-1	Depth 0hrs:	2469m (P/back)	Report Number:	73
Permit No:	EP-32	Last Csg:	9 5/8"	Report Date:	25/10/94
Rig Name:	Ron Tappmeyer	Shoe Depth:	2543.5m	Start Date:	14/08/94
Contractor:	Reading & Bates	FLOT:	1.32 SG	Days on Location:	72
		M. Last 24hrs:	0	Days Since Spud:	71

RIG POSITION:	Latitude: 14deg 34mins 24.204sec.S (AGD 66/67)			Longitude: 129deg 25mins 17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23 13m(lat)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	25/10/94
0:00	0:30	0.50	Rigged up surface cement lines - Pumped 10 bbls S/W ahead & pressure tested lines to 1000 psi		
0:30	1:00	0.50	Mixed & pumped 23.2 bbls cement slurry at 1.9 sg (1.15 cf/sx) using 113.3 sx cement & 13.5 bbls mix water (TOC 3240m)		
1:00	1:30	0.50	Pumped 2 bbls S/W behind & displaced cement using Dowell pump with 178 bbls mud at 1.25 sg (100% returns)		
1:30	3:00	1.50	Pulled back to 3200m & circulated bottoms up (No cement returns - 0.70% max gas) - Flow checked & pumped slug		
3:00	7:30	4.50	POH		
7:30	8:00	0.50	Rigged up Schlumberger		
8:00	9:30	1.50	Prepared and ran guage ring & CCL		
9:30	12:00	2.50	Prepared & ran bridge plug & CCL. Set bridge plug at 2517m (Schlumberger depth)		
12:00	12:30	0.50	Rigged down Schlumberger		
12:30	15:00	2.50	RIH 3 1/2" cement stinger on 5" drill pipe & tagged bridge plug at 2515m (Drillers depth)		
15:00	16:00	1.00	Rigged up surface lines & circulated bottoms up		
16:00			Dowell pumped 10 bbls S/W ahead - Pressure tested lines to 1000 psi. Mixed & pumped 9.6 bbls cement slurry at 1.9 sg &		
	16:30	0.50	1.15 cf/sx using 47 sx cement and 5.6 bbls mix water. Pumped 1 bbls S/W behind and displaced with 136 bbls mud		
16:30	17:00	0.50	Broke out surface lines & POH to 2450m		
17:00	18:00	1.00	Circulated hole to inhibited mud (0.35 ppb Mil-Bio)		
18:00	22:30	4.50	Slugged pipe, laid out 5" S grade drill pipe & POH		
22:30	0:00	1.50	Laid out 3 1/2" cement stinger & 6 1/2" drill collars		
TOTAL		24.00			

Operations Summary: 0000-0600 hrs				Date:	26/10/94
0:00	2:00	2.00	Continued laying out 6 1/2" drill collars		
2:00	4:30	2.50	Made up mule shoe and RIH on HWDP and 5" DP to 2468m		
4:30	5:00	0.50	Washed down and tagged top of cement plug at 2469m with 5 tonnes - Slugged pipe		
5:00	6:00	1.00	POH - Laid out 5" drill pipe		

Program next 24 hrs:	Lay out 5" drill pipe / Cut 9 5/8" casing / Nipple down BOP / Pull 9 5/8" casing / Cut 13 3/8" casing
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SURVEYS

FE No.	Daily Cost:	\$155,769	Drilling Superintendent:	Approved:	F.D.Barker
	Cumulative Cost:	\$11,258,673			

TEIKOKU OIL (BONAPARTE GULF) CO. LTD.

DAILY DRILLING REPORT

Operation		Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5			Bit Run		Bit Run		Depth:		
Jacking		1.5	Mud type		Descr.	Length	Desc.	Length		S P R	
WU-L/D BHA		45.0	Mud wt. SG							<-20->	
Drilling		908.0	Funnel Vis							<-30->	
Reaming		31.0	PV/YP							<-40->	
Circ. & cond.		74.0	Gels								
Rips		259.0	API W/L								
Survey		6.5	Cake (mm)								
Electric logging		111.5	Glycol %								
Grading		49.5	Pf/Mf								
Cement		32.5	KCl %								
N/U test BOP		91.5	Cl (ppm)								
Rig main/repair		33.0	K (ppm)								
Logging		0.0	Tot. hardness mg/l								
Weather			pH								
DST			Solids %								
W & A	24.0	24.0	Water %		---	-->	TOTAL	0.00			
Fishing		8.5	Sand %		JAR		JAR		PDM		
Other F&A		42.5	MBC(ppb)		SER No.		SER No.		SER No.		
Total	24.0	1743.5	PHPA (ppb)		HOURS		HOURS		HOURS		

BIT RECORD											Dull Bit Condition		
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth out	Metres	Hours	ROP m/hr	Nozzles	I	O D L B G O R

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks	
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2		
	Drag (tonnes)			Torque (amps)			Hydraulics						AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Impact F.	HSI	%P _{bk}	P _{bk}	6 1/2	5

BOP Test:	16/10/94	DRILLS				GEOLOGY					
Function:	16/10/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Log Inspect:	23/10/94	23/10/94	11/10/94	23/10/94	24/10/94						

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	En route	10:00	

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS	
Barite (sacks)	1000	0	0	1000	Note an error on fuel inventories for the boats on Rpt #72. The correct figures are below for rpt #72	
Bentonite (sacks)	0	0	1245	1245		
Cement (sacks)	500	0	0	500		
Pot water (tonne)	164	207	120	491	L. Eliz	L. Pene
Drill water (tonne)	225	296	185	706	Fuel	246000 235700
Fuel (litres)	314,000	151,500	235,700	701,200	Used	0 4800
Delifuel (litres)	667	0	0	667		
Fuel last 24 hrs (litres)	5500	1000	0	6500	Daily fuel cost: \$3,874	

DAILY MUD COST:	\$10,106.00	CUM MUD COST:-	\$546,307	VARIABLE DECK LOAD(T):	1652
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PERSONEL ON RIG:										
R & B	43	TOC	2	SERVICE	13	OTHER	0	TOTAL	58	
HELICOPTER FLIGHTS TO RIG :		1	PAX ON:		0	PAX OFF:		2		
Height:										
JOIM:-		W.Parsell		GEOLOGIST:-		DRLG ENG:-		V. Tilley	DRLG SUPV:-	H. Flink

TEIKOKU OIL (BONAPARTE GULF) CO LTD

DAILY DRILLING REPORT

Operation		Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5			Bit Run		Bit Run		Depth:		
Jacking		1.5	Mud type		Descr.	Length	Desc.	Length		S P R	
W/U-L/D BHA		45.0	Mud wt. SG							<-20->	
Drilling		908.0	Funnel Vis							<-30->	
Clearing		31.0	PV/YP							<-40->	
Circ. & cond.		74.0	Gels								
Trips		259.0	API W/L								
Survey		6.5	Cake (mm)								
Electric logging		111.5	Glycol %								
Casing		49.5	Pf/Mf								
Cement		32.5	KCl %								
W/U test BOP		91.5	Cl (ppm)								
Rig main/repair		33.0	K (ppm)								
Logging		0.0	Tot. hardness mg/l								
Weather			pH								
DST			Solids %								
P & A	24.0	48.0	Water %		---	---	TOTAL				
Fishing		8.5	Sand %		JAR		JAR				
Other F&A		42.5	MBC(ppb)		SER No.		SER No				
Total	24.0	1767.5	PHPA (ppb)		HOURS		HOURS				

BIT RECORD											Dull Bit Condition				
Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth out	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
	Drag (tonnes)				Torque (amps)			Hydraulics						AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btm	On Btm	Max	TFA	HHP	Impact F.	HSI	%P _{max}	P _{max}	6 1/2	5	

BOP Test:	16/10/94	DRILLS				GEOLOGY				
Function:	16/10/94	F/Abn	MOB	Pit	Trip	Lithology	T/Gas	C/Gas	BG/Gas	MGU
Log Inspect:	23/10/94	23/10/94	11/10/94	23/10/94	24/10/94					

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	Rig		

Vessel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	500	0	0	500	
Bentonite (sacks)	300	0	0	300	
Cement (sacks)	250	0	0	250	
Hot water (tonne)	136	115	124	375	
Drill water (tonne)	214	256	281	751	
Fuel (litres)	306,000	151,500	225,500	683,000	
Helifuel (litres)	667	0	0	667	
Fuel last 24 hrs (litres)	8000	0	10200	18200	Daily fuel cost: \$10,847

DAILY MUD COST:	\$30,773	CUM MUD COST:-	\$577,080	VARIABLE DECK LOAD(T):	1618
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PERSONEL ON RIG:										
R & B	43	TOC	2	SERVICE	5	OTHER	2	TOTAL	52	
HELICOPTER FLIGHTS TO RIG :		1	PAX ON:		3	PAX OFF:		9		
Weight: OUT:6 boxes for TOC Darwin										
IN: Racal equipment / AWA equipment										
OIM:-		W.Parsell		GEOLOGIST:-		DRLG ENG:-		V. Tilley	DRLG SUPV:-	H. Flink

TEIKOKU OIL (BONAPARTE GULF) CO LTD

DAILY DRILLING REPORT

Well Name:	Sunbird -1	Depth 0hrs(m):	77 (TOC)	Report Number:	75
Permit No:	EP-32	M. Last 24hrs:	-	Report Date:	27/10/94
Rig Name:	Ron Tappmeyer	Last Csg:	9 5/8"	Start Date:	14/08/94
Contractor:	Reading & Bates	Shoe Depth(m):	2543m	Days on Location:	74
		FLOT:	1.32 sg	Days Since Spud:	73

UIG POSITION:	Latitude: 14deg 34mins 24.204sec.S (AGD 66/67)			Longitude: 129deg 25mins 17.253secsE	
Rotary to Seabed:	67m	Air Gap to MSL:	7.23 13m(lat)	Rig Heading:	007.3 deg.
Water Depth MSL:	42.77m	Rotary Table to MSL:	24.23m		

From	To	Hours	Description of Operating Activity - 00:00 to 24:00 Hrs.	Date:	27/10/94
0:00	2:30	2.50	Laid out 13 3/8" casing. Cleared rig floor		
2:30	3:00	0.50	RIH with 20" AGE packer to 107m. Set packer @ 107m & set with 1000 psi/10 min. Bled off & over pull 2.5t to confirm set. Released from packer & pulled back 0.3m		
3:00	4:00	1.00	Dowell batch mixed 40 bbls cement. Pumped 2 bbls S/W ahead & tested lines to 1000 psi. Pumped 34 bbls cement slurry at 1.9 sg & 1.18 cf/sx (166 sx cement & 21 bbls mix water with 1% BWOC CaCl ₂). Displaced with 2 bbls S/W (TOC 77m)		
4:00	5:00	1.00	Pulled back to 77m & circulated clean. Flushed surface lines & POH. Laid out packer running tool		
5:00	7:00	2.00	RIH with 20" casing cutter. Cut 20" casing at 75m. POH with cutter.		
7:00	7:30	0.50	Cut braiden head off 20" casing.		
7:30	11:00	3.50	Made up 20" casing spear. Engaged & attempted to pull 20" casing-Negative. Attempted to release spear - negative. Backed out 20" casing at MLS (19m BRT). Cut casing off spear. RIH with MLS & made up on 20 casing.		
11:00	13:30	2.50	RIH with 20"/30" casing cutter. Cut 20" & 30" casing at 72m.		
13:30	15:00	1.50	Secured 30" casing with BOP cranes. POH with casing cutter & tightened 20" MLS. Laid out csg cutter & attempted to pull 20" casing (22t). Negative.		
15:00	16:30	1.50	RIH with casing cutter & cut 20" casing at 55m. 20" casing not free - cement visible on cutter		
16:30	21:30	5.00	Rigged up 20m slings on block and pull 20" & 30" casing from 72m. Cut and laid out 20" & 30" casing.		
21:30	0:00	2.50	Prepared to skid cantilever. Secured rig for tow.		
TOTAL		24.00			

Operations Summary: 0000-0600 hrs				Date:	28/10/94
0:00	6:00	6.00	Continued preparing to skid in and secure for tow.		

Program next 24 hrs: Inspect seabed (ROV) / skid in cantilever/ secure for tow / Jack down

SURVEYS

AFE No.	SBD	Daily Cost:	\$143,930	Drilling Superintendent:	Approved:	F.D.Barker
		Cumulative Cost:	\$11,566,708			

TEIKOKU OIL (BONAPARTE GULF) CO LTD

DAILY DRILLING REPORT

Operation		Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Log move		25.5			Bit Run		Bit Run		Depth:		
Jacking		1.5	Mud type		Descr.	Length	Desc.	Length		S P R	
U-L/D BHA		45.0	Mud wt. SG							<-20->	
Drilling		908.0	Funnel Vis							<-30->	
Keaming		31.0	PV/YP							<-40->	
Circ. & cond.		74.0	Gels								
Rips		259.0	API W/L								
Survey		6.5	Cake (mm)								
Electric logging		111.5	Glycol %								
Grinding		49.5	Pf/Mf								
Grinding		32.5	KCl %								
N/U test BOP		91.5	Cl (ppm)								
Rig main/repair		33.0	K (ppm)								
Grinding		0.0	Tot. hardness mg/l								
Weather			pH								
DST			Solids %								
& A	24.0	72.0	Water %		---	---	TOTAL	0.00			
Grinding		8.5	Sand %		JAR		JAR		PDM		
Other F&A		42.5	MBC(ppb)		SER No.		SER No		SER No		
Total	24.0	1791.5	PHPA (ppb)		HOURS		HOURS		HOURS		

BIT RECORD

Dull Bit Condition

Bit #	Size	Make	Type	IADC	Serial No	Depth In	Depth out	Metres	Hours	ROP m/hr	Nozzles	I O D L B G O R

	WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks		
Run #	Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2			
	Drag (tonnes)			Torque (amps)			Hydraulics							AV-DC	AV-DP
Run #	Up	Down	Rot	Off Btn	On Btn	Max	TFA	HHP	Impact F.	HSI	%P _{ht}	P _{ht}	6 1/2	5	

BOP Test:	16/10/94	DRILLS				GEOLOGY					
Function:	16/10/94	F/Abn	MOB	Pit	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
Rig Inspect:	23/10/94	23/10/94	11/10/94	23/10/94	24/10/94						

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	Rig		

Asset bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	0	0	0	0	
Montonite (sacks)	0	0	0	0	
Grinding (sacks)	0	0	0	0	
Drill water (tonne)	124	109	120	353	
Drill water (tonne)	212	256	281	749	
Oil (litres)	302,000	150,000	225,000	677,000	
Oil fuel (litres)	0	0	0	0	
Fuel last 24 hrs (litres)	4000	1500	500	6000	Daily fuel cost: \$3,576

AILY MUD COST:	\$28,100.00	CUM MUD COST:-	\$605,180	VARIABLE DECK LOAD(T):	1620
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PERSONEL ON RIG:					
R & B	45	T O C	2	SERVICE	2
				OTHER	9
				TOTAL	58
HELICOPTER FLIGHTS TO RIG : 1 PAX ON: 13 PAX OFF: 7					
Weight: IN: Steel rod / bearings, Rascal parts					
OUT: Mailbag R&B					
COIM:-	W.Parsell	GEOLOGIST:-		DRLG ENG:-	V. Tilley
				DRLG SUPV:-	H. Flink

TEIKOKU OIL (BONAPARTE GULF) CO LTD

DAILY DRILLING REPORT

Operation		Cum.	Mud Properties	Time	Bottom Hole Assembly				Slow Pump Rates		
Rig move		25.5			Bit Run		Bit Run		Depth:		
Jacking	1.0	2.5	Mud type		Descr.	Length	Desc.	Length		S P R	
U/D BHA		45.0	Mud wt. SG							<-20->	
Drilling		908.0	Funnel Vis								
reaming		31.0	PV/YP							<-40->	
Circ. & cond.		74.0	Gels								
Rips		259.0	API W/L								
Survey		6.5	Cake (mm)								
Electric logging		111.5	Glycol %								
Casing		49.5	Pf/Mf								
ement		32.5	KCl %								
N/U test BOP		91.5	Cl (ppm)								
Rig main/repair		33.0	K (ppm)								
oring		0.0	Tot. hardness mg/l								
/eather			pH								
DST			Solids %								
& A	16.5	88.5	Water %		---	---	TOTAL	0.00			
ishing		8.5	Sand %		JAR		JAR		PDM		
Other F&A		42.5	MBC(ppb)		SER No.		SER No		SER No		
Total		1809.0	PHPA (ppb)		HOURS		HOURS		HOURS		

BIT RECORD											Dull Bit Condition					
Bit #	Size	Type	IADC	Serial No	Depth In	Depth out	Metres	Hours	ROP m/hr	Nozzles	I	O	D	L	B	G

		WOB(tonnes)		R P M		Flow Rate		Pump Press		Liner Size		Pump Strokes		Remarks
Run #		Min	Max	Min	Max	L P M	GPM	kPa	PSI	Pump 1	Pump 2	Pump 1	Pump 2	
		Drag (tonnes)		Torque (amps)		Hydraulics						AV-DC		AV-DP
Run #		Up	Down	Rot	Off Btn	On Btn	Max	TFA	HHP	Impact F.	HSI	%P _{wt}	P _{wt}	6 1/2
														5

BOP Test:	16/10/94	DRILL				GEOLOGY					
unction:	16/10/94	F/Abn	MOB	Pft	Trip	Lithology		T/Gas	C/Gas	BG/Gas	MGU
ig Inspect:	23/10/94	23/10/94	11/10/94	23/10/94	24/10/94						

Last LTA:	20/09/94	Last incident:	23/09/94
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WORKBOATS	LOCATION	ETA	COMMENTS
LADY ELIZABETH	Rig		
LADY PENELOPE	Rig		

essel bulk supplies	Ron Tappmeyer	Lady Elizabeth	Lady Penelope	TOTAL	COMMENTS
Barite (sacks)	0	0	0	0	Final inventory - other
entonite (sacks)	0	0	0	0	L.Eliz L.Pene
ement (sacks)	0	0	0	0	Lube oil (litres) 4640 5600
rot water (tonne)	108	105	117	330	Hydr oil (litres) 12118 4750
Drill water (tonne)	209	256	281	746	
uel (litres)	344,000	148,000	223,800	715,800	Final fuel inventories taken at 17:30 hours
elifuel (litres)	0	0	0	0	
Fuel last 24 hrs (litres)	4000	2000	1200	7200	Daily fuel cost: \$4,291

AILY MUD COST:		CUM MUD COST:-	\$605,180	VARIABLE DECK LOAD(T):	1620
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PERSONEL ON RIG:					
R & B	45	TOC	2	SVCE	2
				OTHER	12
				TOTAL	61
ELICOPTER FLIGHTS TO RIG:	1	PAX ON:	5	PAX OFF:	2
reight: Note today's Helicopter flight was paid by Santos.					
QIM:-	W.Parsell			DRLG ENG:-	V. Tilley
				DRLG SUPV:-	H. Flink