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Santos

SANTOS LTD (QNTBU)

DRILLING SUMMARY

EAST MEREENIE 37

RECEIVED
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PREPARED BY:
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JULY 1995

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DEPT OF MINES & ENERGY
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DRILLING SUMMARY

EAST MEREENIE 37
DRILLING SUMMARY

The well East Mereenie 37, was spudded at 2300 hours on 27th, May, 1995. A 9 7/8" pilot hole was drilled to 34 m and was then opened to 17.5" size hole. The 16" welded conductor pipe was set at approximately 23.47m KB , (the water well drilling contractor was not available to perform this work) and cemented in place. The 13-5/8" rotating head was flanged up to the conductor and the blooie line rigged up, complete with primary jet, deduster jet, sample catcher and gas detector valves and lines.

A 13-9/16" Impax diamond enhanced hammer bit was then made up on a 12" Mission SD-12 industrial type air hammer with an open choke, and the 13-9/16" hole was air hammer drilled, with surveys, to 302m in 17 hrs drilling/connection time. Because of the high volume of water produced towards the end of the bit run, the air hammer was laid out, and the 13.5" hole was then conventionally air drilled to casing point at 692m using three tricone bits in 69.5 hrs drilling / connection time. A multi-shot survey was run at casing point to determine hole azimuth and deviation. A 10¾" 40.5 lb/ft H40 casing string was then run and cemented in place with 306 sacks of class "A" cement, followed by a 56 sacks class "A" cement top up job to ensure cement between the cement baskets at 60m and surface.

The BOP stack and rotary head were then nippled up and successfully pressure tested, together with the choke manifold, flare line and associated equipment. The cement track, float, shoe and 3m of formation were drilled out with water using a 9-7/8" tricone bit. A formation pressure integrity test was then performed to 16.7 ppg equivalent mud weight without any breakdown.

The 9-7/8" hole was directionally drilled ahead with air/ mist and regular surveys to 1245m where a well flow test was performed. The well was filled with 2% NaCl brine and a FMS-AMS-GR log was run to confirm formation tops and target level. The inclination at 1238m MD was 30.50° at an azimuth of 203.5°. A 9 7/8"" drilling assembly was run and air / mist drilled to 1258m after reaming from 968m. A trip was made to change the BHA and the 8 1/2" hole was air/ mist drilled, with frequent surveys to 1379m where a well flow test operation was carried out to 3.12mmcfd.

The 8 1/2" hole was air/ mist drilled with frequent surveys to 1465m where the well was shut in for a build up and then flow test was performed. The well was then killed with a 8.7ppg mud and after conditioning the mud a trip was made to change the bit. The 8 1/2" hole was then drilled with mud to TD 1600m MD. The hole was conditioned prior to running logs and casing. The target was intersected as required.

After logging, 5½" casing was run and cemented in place with 700 sacks of class "G" cement with 1% Halad 322.

The rig was handed over to Production for completion, at 1800 hrs on 20th, June 1995, which was 24 days after spud, one day longer than predicted.

DAILY DRILLING REPORTS

DAILY DRILLING REPORT

Santos

WELL NAME: EAST MEREENIE 37

DATE:- 28/05/95
DFS:- 1

Status - 0700 hrs: DRILLING 9 7/8" PILOT HOLE
Depth - 0700 hrs: 30 Formation: CONTRACTOR: ODE MJV 1
Depth - Midnight: 17 Proposed TD: 1632 Last Casing: at m.
24hr Progress: 17 Well Type: DEVELOPMENT

MUD PROPERTIES

		ADDITIVES	
Density:			
Viscosity:			
PH:			
PV / YP:	/		
Gels:			
W.L./F.C.:	/		
Solids%:			
Sands%:			
Chlorides:			
K+:			
Nitrates:			
Mud Co.:			
Mud Engineer:			

SURVEYS

Deg.	m.
Deg.	m.
Deg.	m.
Deg.	m.
Deg.	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	

BIT DATA

No.			
Size			
Type			
Serial No.			
Jets			
Out m.			
In m.			
Drilled m.			
Bit Hours			
Condition			
Avg. ROP			
WOB (x1000)			
R.P.M.			
JV			

TIME ANALYSIS

Drilling:	0.5
Reaming:	
Coring:	
Circ & Cond Mud:	
Tripping:	
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	0.5
RIG MOVE	23

PUMP DATA

			SLOW PUMP
Type:	SCREW TYPE		SPM
Bore x S'ke:	x	x	
SPM:	800BPM		PSI
Pressure:	75		
GPM:	1600		
A.V.(DP/DC)	CFM /		

BHA:

COSTS:-	MUD	WATER	WELL TOTAL
Daily:			95702
Cumulative:			95702

Buoyed DC Wt.: Hook Load: DP Rating:
BHA Total Length: Margin:

REMARKS: WAIT ON DAYLIGHT, RAISE DOG HOUSE, INSTALL STAIRS, HANDRAILS, GENERAL RIG UP, MAKE UP SWIVEL/KELLY, MAKE UP 9 7/8" PILOT HOLE ASSEMBLY, DRILL PILOT HOLE TO 17M, CLEAN OUT CUTTINGS FROM CELLAR/TIGHTEN KELLY JOINTS.

EAST MEREEINE 37 SPUDDED @2300HRS ON 27/05/95

TEMP: 4 °C | WEATHER: CLOUD | REPORTED BY: HOFMEIER TO: R GOOSEM

Santos

DAILY DRILLING REPORT

WELL NAME: EAST MEREENIE 37

DATE:- 29/05/95
DFS:- 2

Status - 0700 hrs: RUN AND WELD 16" CONDUCTOR PIPE
Depth - 0700 hrs: 34 Formation: CONTRACTOR: ODE MJV 1
Depth - Midnight: 34 Proposed TD: 1632 Last Casing: at m.
24hr Progress: 17 Well Type: DEVELOPMENT

MUD PROPERTIES

		ADDITIVES	
Density:			
Viscosity:			
PH:			
PV / YP:	/		
Gels:			
W.L./F.C.:	/		
Solids%:			
Sands%:			
Chlorides:			
K+:			
Nitrates:			
Mud Co.:			
Mud Engineer:			

SURVEYS

Deg.	m.
Deg.	m.
Deg.	m.
Deg.	m.
Deg.	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	

BIT DATA

No.			
Size			
Type			
Serial No.			
Jets			
Out m.			
In m.			
Drilled m.			
Bit Hours			
Condition			
Avg. ROP			
WOB (x1000)			
R.P.M.			
JV			

TIME ANALYSIS

Drilling:	2.5
Reaming:	
Coring:	
Circ & Cond Mud:	
Tripping:	
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	
Logging:	
Run Casing:	2
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	7.5
OTHER	12

PUMP DATA

			SLOW PUMP
Type:	SCREW TYPE		SPM
Bore x S'ke:	x	x	
SPM:	800CFM		PSI
Pressure:	200		
GPM:	2400		
A.V.(DP/DC)	CFM /		

BHA:

COSTS:-	MUD	WATER	WELL TOTAL
Daily:			31593
Cumulative:			127295

Buoyed DC Wt.: Hook Load: DP Rating:
BHA Total Length: Margin:

REMARKS: LAYOUT PILOT HOLE ASSEMBLY AND MAKE UP RAT HOLE DOGGING GEAR, DRILL RAT HOLE AND INSTALL SOCK, RIG UP AND DRILL MOUSE HOLE, INSTALL SAME, PICK UP 9 7/8" PILOT HOLE ASSEMBLY, DRILL PILOT HOLE 17-34M, CLEAN OUT CUTTINGS FROM CEL LAR, LAY OUT PILOT ASSEMBLY, MAKE UP 17.5" HOLE OPENING ASS., OPEN HOLE TO 28M, CLEAN OUT CUTTINGS, NOT ABLE TO GO PAST 28M WOTH 3 COMPRESSORS, INSTALL 4TH COMPRESSOR AND OPEN HOLE TO 34M, LAY OUT 17.5" HOLE OPENING ASSEMBLY, PICK UP WELD AND RUN 16" CONDUCTOR TO 21M, TRY TO WORK CONDUCTOR PAST 21M.

TEMP: 6 °C WEATHER: CLEAR REPORTED BY: HOFMEIER TO: A S

Santos

DAILY DRILLING REPORT

WELL NAME: EAST MEREENIE 37

DATE:- 30/05/95
DFS:- 3

Status - 0700 hrs: MAKE UP 13 9/16" HAMMER BHA
Depth - 0700 hrs: 34M
Depth - Midnight: 34
24hr Progress:
Formation:
Proposed TD: 1632
Well Type: DEVELOPMENT
CONTRACTOR:
Last Casing: 16" at 23.47 m.

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	
Mud Engineer:	

ADDITIVES

SURVEYS

Deg.	m.
Deg.	m.
Deg.	m.
Deg.	m.
Deg.	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	

BIT DATA

No.			
Size			
Type			
Serial No.			
Jets			
Out m.			
In m.			
Drilled m.			
Bit Hours			
Condition			
Avg. ROP			
WOB (x1000)			
R.P.M.			
JV			

TIME ANALYSIS

Drilling:	
Reaming:	3.5
Coring:	
Circ & Cond Mud:	
Tripping:	1
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	
Logging:	
Run Casing:	3
Cementing:	0.5
W.O.C.:	4
N.U. & Test BOP:	3.5
D.S.T.:	
Handle Tools:	
OTHER	8.5

PUMP DATA

Type:		
Bore x S'ke:	x	x
SPM:		
Pressure:		
GPM:		
A.V.(DP/DC)	/	

SLOW PUMP

SPM	
PSI	

COSTS:-	MUD	WATER	WELL TOTAL
Daily:			24157
Cumulative:			151452

BHA:

Buoyed DC Wt.:
BHA Total Length:
Hook Load:
DP Rating:
Margin:

REMARKS: TRY TO WORK CONDUCTOR THROUGH TIGHT SPOT AT 21M, CUT AND LAY OUT CONDUCTOR, MAKE UP 17.5" BIT AND 8" DC, REAM TIGHT SOPTS @ 21M TO 25M AND 30-34M , CLEAN CELLAR, RACK 8" ASSEMBLY IN DERRIK, RUN 16" CONDUCTOR, HUNG UP @21.5M, WORK TROUGH TIGHT SPOT @21.5M, FILL JT WITH WATER, WORK DOWN TO 22M, LAY OUT COLLAR, RIH WITH 17.5" BIT, REAM 21-34M, CLEAN CELLAR, RACK 8" ASSEMBLY IN \ DERRIK, RUN 16" CONDCUTOR, HUNG UP @22M, WORK DOWN TO 23.47M, RIG UP 1" STINGER CEMENT CONDCUTOR, CUT CONDUCTOR, INSTALL AND N/U RISER AND ROTATING HEAD FLANGE,

TEMP: 6 °C | WEATHER: CLEAR | REPORTED BY: HOFMEIER | TO: A S

DAILY DRILLING REPORT

Santos

WELL NAME: EAST MEREENIE 37

DATE:- 31/05/95
DFS:- 4

Status - 0700 hrs: AIR HAMMER DRILL 13 9/16" HOLE.
Depth - 0700 hrs: 178 Formation: MEREENIE S.S. CONTRACTOR: ODE MJV 1
Depth - Midnight: 105 Proposed TD: 1632 Last Casing: 16" at 23.47 m.
24hr Progress: 80.63 Well Type:

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	

ADDITIVES

SURVEYS

0.5	Deg.	39	m.
1	Deg.	57	m.
0.25	Deg.	102	m.
	Deg.		m.
	Deg.		m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	

BIT DATA

No.	3		
Size	13 4/7		
Type	SMITHIMPAX		
Serial No.	KJ6405		
Jets	PORTS		
Out m.			
In m.	34		
Drilled m.	71		
Bit Hours	4.5		
Condition			
Avg. ROP	15.8		
WOB (x1000)	7		
R.P.M.	20		
JV			

TIME ANALYSIS

Drilling:	4.5
Reaming:	
Coring:	
Circ & Cond Mud:	
Tripping:	
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	1
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	6.5
OTHER	12

PUMP DATA

Type:	SCREW TYPE		SPM
Bore x S'ke:	800 x CFM	x	
SPM:			PSI
Pressure:	10 B/H		
GPM:			
A.V.(DP/DC)	3500 / FPM		

SLOW PUMP

COSTS:-	MUD	WATER	WELL TOTAL
Daily:			27919
Cumulative:			179371

BHA:

Buoyed DC Wt.: 14000# Hook Load: 24000# DP Rating:
BHA Total Length: 93.63 Margin:

REMARKS: INSTALL BLOOIE LINE TO ROTATING HEAD, PREPARE BHA, LAY OUT 8" COLLARS, MAKE UP 13 9/16" DRILLING ASSEMBLY, INSTALL ROTATING HEAD, BLOW WELL, AIR HAMMER DRILL 13 9/16" HOLE 34-41M, RUN DEVIATION SURVEY, AIR HAMMER DRILL 13 9/16" HOLE FROM 41-51M, LAY OUT HEVIWATE-PICK UP 8" DC'S, AIR HAMMER DRILL 13 9/16" HOLE FROM 51-59M, RUN DEVIATION SURVEY, AIR HAMMER DRILL 13 9/16" HOLE FROM 59-78M, LAY OUT HEVIWATE-PICK UP 8" DC'S, AIR HAMMER DRILL 13 9/16" HOLE FORM 78-105M, LAY OUT HEVIWATE-PICK UP 8" DC'S.

TEMP: 6 °C | WEATHER: CLEAR | REPORTED BY: GRIINKE | TO: A S

Santos

DAILY DRILLING REPORT

WELL NAME: EAST MEREENIE 37

DATE:- 01/06/95
DFS:- 5

Status - 0700 hrs: AIR MIST DRILL 13-1/2" HOLE
Depth - 0700 hrs: 366M Formation: MEREENIE S/STON CONTRACTOR: ODE MJV 1
Depth - Midnight: 302M Proposed TD: 1632M Last Casing: 16" at 23.47M m.
24hr Progress: 197M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	

ADDITIVES

SURVEYS

0.50	Deg.	39	m.
1.00	Deg.	57	m.
0.25	Deg.	102	m.
1.00	Deg.	252	m.
	Deg.		m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	

BIT DATA

No.	3	4	
Size	13-9/16"	13.5"	
Type	SMITH IMPA	HTC ATJ55	
Serial No.	KJ4605	874PX	
Jets	PORTS	OPEN	
Out m.	302		
In m.	34	302	
Drilled m.	268		
Bit Hours	17		
Condition	60% WEAR		
Avg. ROP	15.8		
WOB (x1000)	7		
R.P.M.	20		
JV			

TIME ANALYSIS

Drilling:	13.5
Reaming:	
Coring:	
Circ & Cond Mud:	
Tripping:	2.5
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	1
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	6.5
	0.5

PUMP DATA

Type:	SCREW		
Bore x S'ke:	800 x	x	
SPM:	3200		
Pressure:	240		
GPM:	10		
A.V.(DP/DC)	3500 /		

SLOW PUMP

SPM

PSI

COSTS:-	MUD	WATER	WELL TOTAL
Daily:			38939
Cumulative:			218310

BHA:
13-1/2" BIT-12-1/4 SQ DC-12-1/4" STAB-08" DC-13-1/2" NR STAB-3x8" DC

Buoyed DC Wt.: 14000 LBS Hook Load: 24000 LBS DP Rating:
BHA Total Length: 93.63M Margin:

REMARKS: RUN DEVIATION SURVEY. AIR HAMMER DRILL 13-9/16" HOLE 105-302M, LAY OUT HEVIWATE/PICK UP COLLARS. CHANGE OUT ROTATING HEAD RUBBER. POOH. LAY OUT IMPAX BIT/SD12 HAMMER. PICK UP 13-1/2" ROTATING ASSEMBLY. RIH. PICK UP COLLARS.

TEMP: 7 °C WEATHER: CLEAR REPORTED BY: B. GRIINKE TO: A. SIV

Santos

DAILY DRILLING REPORT

WELL NAME: EAST MEREENIE 37

DATE:- 02/06/95
DFS:- 6

Status - 0700 hrs: REAMING WITH BIT #5 FROM 435-443M
Depth - 0700 hrs: 443M Formation: MEREENIE S/STON CONTRACTOR: ODE MJV 1
Depth - Midnight: 438M Proposed TD: 1632M Last Casing: 16" at 23.47 m.
24hr Progress: 130M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	

ADDITIVES

SURVEYS

0.5	Deg.	39	m.
1.00	Deg.	57	m.
0.25	Deg.	102	m.
1.00	Deg.	252	m.
0.75	Deg.	399	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	

BIT DATA

No.	4	5	
Size	13.5	13.5	
Type	HTC ATJ55	HTC ATJ55	
Serial No.	KJ6405		
Jets	OPEN	OPEN	
Out m.			
In m.	302	443	
Drilled m.	136		
Bit Hours	22.5		
Condition			
Avg. ROP	6.0		
WOB (x1000)	45		
R.P.M.	55		
JV			

TIME ANALYSIS

Drilling:	22.5
Reaming:	0.5
Coring:	
Circ & Cond Mud:	
Tripping:	
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	0.5
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	0.5

PUMP DATA

Type:	SCREW		
Bore x S'ke:	800 x	x	
SPM:	3200		
Pressure:	240		
GPM:	10		
A.V.(DP/DC)	3500 /		

SLOW PUMP

SPM	
PSI	

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	0	0	26379
Cumulative:	0	0	244689

BHA:
13-1/2" BIT-12-1/4" SQ DC-12-1/4" STAB-8" DC-13-1/2" NR STAB-3x8" DC-

Buoyed DC Wt.: 70000 LBS Hook Load: 100000 LBS DP Rating:
BHA Total Length: 283.86M Margin:

REMARKS: LAY DOWN PIPE. BLOW THE HOLE & WASH 290-302M. AIR MIST DRILL 13-1/2" HOLE 302-401M. RUN DEIVATION SURVEY. AIR MIST DRILL 13-1/2" HOLE 401-438M.

TEMP: 4 °C | WEATHER: CLEAR | REPORTED BY: B. GRIINKE TO: A. SIV

Santos

DAILY DRILLING REPORT

WELL NAME: EAST MEREENIE 37

DATE:- 03/06/95
DFS:- 7

Status - 0700 hrs: REAMING WITH BIT #6 FROM 472 METRES TO 507 METRES
Depth - 0700 hrs: 507M Formation: MEREENIE S/STON CONTRACTOR: ODE MJV 1
Depth - Midnight: 507M Proposed TD: 1632M Last Casing: 16" at 23.47M m.
24hr Progress: 69M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	

ADDITIVES

QUIK FOAM	2
BARACOR 1635	1

SURVEYS

0.5	Deg.	39	m.
1.00	Deg.	57	m.
0.25	Deg.	102	m.
1.00	Deg.	252	m.
0.75	Deg.	399	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	

BIT DATA

No.	4	5	
Size	13.5"	13.5"	
Type	HTC ATJ55	HTC ATJ55	
Serial No.	KJ6405	B79PX	
Jets	OPEN	OPEN	
Out m.	443	507	
In m.	302	443	
Drilled m.	141	64	
Bit Hours	24.5	16	
Condition	57FC.M.E.	78BT.A.F.	
Avg. ROP	5.8	4	
WOB (x1000)	45	45	
R.P.M.	55	55	
JV			

TIME ANALYSIS

Drilling:	18
Reaming:	0.5
Coring:	
Circ & Cond Mud:	0.5
Tripping:	4
Rig Service:	
Rig Repair:	0.5
Slip & Cut Line:	
Surveys:	
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	0.5

PUMP DATA

Type:	SCREW	
Bore x S'ke:	800 x	x
SPM:	3200	
Pressure:	240	
GPM:	10	
A.V.(DP/DC)	3500 /	

SLOW PUMP

SPM	
PSI	

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	0	0	43377
Cumulative:	0	0	288066

BHA:
13-1/2" BIT-12-1/4" SQ DC-12-1/4" STAB-8" DC-13-1/2" NR STAB-3x8" DC

Buoyed DC Wt.: 70000 Hook Load: 100000 DP Rating:
BHA Total Length: 283.86M Margin:

REMARKS: AIR MIST DRILL 13-1/2" HOLE 302-401M. BLOW THE HOLE CLEAN (1 BOOSTER OPERATIONAL). POOH. CHANGE BIT. RIH. REAM 429-443M. AIR MIST DRILL 13-1/2" HOLE 401-507M. POOH TO 477M. REMOVE KELLY BUSHING FOR REPAIR.

TEMP: 3 °C | WEATHER: CLEAR | REPORTED BY: B. GRIINKE TO: A. SIV

DAILY DRILLING REPORT

Santos

WELL NAME: EAST MEREENIE 37

DATE:- 04/06/95
DFS:- 8

Status - 0700 hrs: TRIP FOR NEW BIT
Depth - 0700 hrs: 625M
Depth - Midnight: 594M
24hr Progress: 87M
Formation: CARMICHAEL S/ST
Proposed TD: 1632M
Well Type: DEVELOPMENT
CONTRACTOR: ODE MJV 1
Last Casing: 16" at 23.47M m.

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	

ADDITIVES

QUIK FOAM	1
BARACOR 1635	

SURVEYS

1.00	Deg.	57	m.
0.25	Deg.	102	m.
1.00	Deg.	252	m.
0.75	Deg.	399	m.
1.00	Deg.	553	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	

BIT DATA

No.	5		
Size	13.5		
Type	HTC ATJ55		
Serial No.	B79PX		
Jets	OPEN		
Out m.	507		
In m.	443		
Drilled m.	64		
Bit Hours	16		
Condition	78BT.A.F.		
Avg. ROP	4		
WOB (x1000)	45		
R.P.M.	55		
JV			

TIME ANALYSIS

Drilling:	15.5
Reaming:	1.5
Coring:	
Circ & Cond Mud:	0.5
Tripping:	4
Rig Service:	
Rig Repair:	2
Slip & Cut Line:	
Surveys:	0.5
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	

PUMP DATA

Type:	SCREW	
Bore x S'ke:	800 x	x
SPM:	3200	
Pressure:	300	
GPM:	10	
A.V.(DP/DC)	3500 /	

SLOW PUMP

SPM

PSI

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	542	0	39198
Cumulative:	2201	0	327264

BHA:
13-1/2" BIT-12-1/4" SQ DC-12-1/4" STAB-8" DC-13-1/2" NR STAB-3x8" DC

Buoyed DC Wt.: 67000 LBS
BHA Total Length: 283.66M
Hook Load: 108000 LBS
DP Rating:
Margin:

REMARKS: PREPARE KELLY BUSHING FOR REPAIR. POOH & CHANGE BIT. ASSIST KELLY BUSHING REPAIR. RIH. INSTALL KELLY BUSHING & RBOP DRIVE. RIH. UNLOAD HOLE. REAM 472-507M. AIR MIST DRILL 13-1/2" HOLE 507-565M. RUN DEVIATION SURVEY. AIR MIST DRILL 13-1/2" HOLE 565-594M.

TEMP: 7 °C | WEATHER: CLEAR | REPORTED BY: B. GRIINKE | TO: A. SIV

Santos

DAILY DRILLING REPORT

WELL NAME: EAST MEREENIE 37

DATE:- 05/06/95
DFS:- 9

Status - 0700 hrs: BLOW THE WELL CLEAN PRIOR TO SPOT MUD PILL & POOH TO RUN CASING
Depth - 0700 hrs: 692M Formation: UPPER STOKES CONTRACTOR: ODE MJV 1
Depth - Midnight: 692M Proposed TD: 1632M Last Casing: 16" at 23.47M m.
24hr Progress: 98M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	

ADDITIVES

QUIK FOAM	1
BARACOR 1635	

SURVEYS

0.25	Deg.	102	m.
1.00	Deg.	252	m.
0.75	Deg.	399	m.
1.00	Deg.	553	m.
2.25	Deg.	678	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	

BIT DATA

No.	6	7	
Size	13.5	13.5	
Type	HTC ATJ55	HTC ATJ11H	
Serial No.	K23PX	K21PX	
Jets	OPEN	OPEN	
Out m.	625	692	
In m.	507	625	
Drilled m.	87	67	
Bit Hours	15.5	8	
Condition	34BT.G.E.		
Avg. ROP	5.61	8.38	
WOB (x1000)	35	35	
R.P.M.	65	65	
JV			

TIME ANALYSIS

Drilling:	13.5
Reaming:	4
Coring:	
Circ & Cond Mud:	0.5
Tripping:	4
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	0.5
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	0.5
	1

PUMP DATA

Type:	SCREW	
Bore x S'ke:	800 x	x
SPM:	3200	
Pressure:	300	
GPM:	10	
A.V.(DP/DC)	3500 /	

SLOW PUMP

SPM
PSI

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	542	0	37670
Cumulative:	2743	0	364934

BHA:
13-1/2" BIT-12-1/4" SQ DC-12-1/4" STAB-8" DC-13-1/2" NR STAB-3x8" DC

Buoyed DC Wt.: 67000 LBS Hook Load: 110000 LBS DP Rating:
BHA Total Length: 283.86M Margin:

REMARKS: AIR MIST DRILL 13-1/2" HOLE 594-625M. POOH. CHANGE BIT & FLOAT, SERVICE RIG, SLIP LINE. RIH. CHANGE OUT ROTATING HEAD RUBBER. UNLOAD HOLE. AIR MIST DRILL 13-1/2" HOLE 625-642M. REAM & WASH 636-642M. AIR MIST DRILL 13-1/2" HOLE 642-690M. REAM & WASH 680-690M. AIR MIST DRILL 13-1/2" HOLE 690-692M. RUN DEVIATION SURVEY. UNLOAD HOLE, REAM 688-692M.

TEMP: 7 °C WEATHER: CLEAR REPORTED BY: B. GRIINKE TO: A. SIV

DAILY DRILLING REPORT

Santos

WELL NAME: EAST MEREENIE 37

DATE:- 06/06/95
DFS:- 10

Status - 0700 hrs: WAIT ON CEMENT, PREPARE BOP & WELLHEAD EQUIPMENT
Depth - 0700 hrs: 692M Formation: UPPER STOKES CONTRACTOR: ODE MJV 1
Depth - Midnight: 692M Proposed TD: 1632M Last Casing: 10.75" at 690.78Mm.
24hr Progress: 98M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	

ADDITIVES

QUIK FOAM	
BARACOR 1635	

SURVEYS

0.25	Deg.	102	m.
1.00	Deg.	252	m.
0.75	Deg.	399	m.
1.00	Deg.	553	m.
2.25	Deg.	678	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	

BIT DATA

No.	6	7	
Size	13.5	13.5	
Type	HTC ATJ55	HTC ATJ11H	
Serial No.	K23PX	K21PX	
Jets	OPEN	OPEN	
Out m.	625	692	
In m.	507	625	
Drilled m.	87	67	
Bit Hours	15.5	8	
Condition	34BT.G.E.	46BT.M.E.I	
Avg. ROP	5.61	8.38	
WOB (x1000)	35	35	
R.P.M.	65	65	
JV			

TIME ANALYSIS

Drilling:	
Reaming:	0.5
Coring:	
Circ & Cond Mud:	1
Tripping:	5.5
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	0.5
Logging:	
Run Casing:	8.5
Cementing:	1
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	3
	4

PUMP DATA

Type:	SCREW	
Bore x S'ke:	800 x	x
SPM:	3200	
Pressure:	300	
GPM:	10	
A.V.(DP/DC)	3500 /	

SLOW PUMP

SPM	
PSI	

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	0	0	96532
Cumulative:	2743	0	461466

BHA:

Buoyed DC Wt.: Hook Load: 80000 CSG DP Rating:
BHA Total Length: Margin:

REMARKS: POOH. CHANGE BHA FOR MULTISHOT. RIH; RUN MULTISHOT. TAG & RECOVER MULTISHOT. UNLOAD HOLE. WASH FROM 690-692M; SPOT MUD PILL. POOH. LAY OUT MULTISHOT BHA. NIPPLE DOWN CONDUCTOR. HOLD WEEKLY SAFETY MEETING. NIPPLE DOWN FLOWLINE; CUT OFF CONDUCTOR. RIG TO RUN CASING. INSTALL LANDING JOINT & CEMENT HEAD. CIRCULATE; JET CASING FROM 690 TO 690.78M. CEMENT CASING. DISPLACE WITH 219.4 BBLS WATER. BUMP PLUG AT 2400 HRS.

TEMP: 8 °C WEATHER: CLEAR REPORTED BY: B. GRIINKE TO: A. SIV

Santos

DAILY DRILLING REPORT

WELL NAME: EAST MEREENIE 37

DATE:- 07/06/95
DFS:- 11

Status - 0700 hrs: TEST BOP
Depth - 0700 hrs: 692M
Depth - Midnight: 692M
24hr Progress:

Formation: UPPER STOKES
Proposed TD: 1632M
Well Type: DEVELOPMENT

CONTRACTOR: ODE MJV 1
Last Casing: 10.75" at 690.78 m.

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	

ADDITIVES

QUIK FOAM	
BARACOR 1635	

SURVEYS

0.25	Deg.	102	m.
1.00	Deg.	252	m.
0.75	Deg.	399	m.
1.00	Deg.	553	m.
2.25	Deg.	678	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	

BIT DATA

No.			
Size			
Type			
Serial No.			
Jets			
Out m.			
In m.			
Drilled m.			
Bit Hours			
Condition			
Avg. ROP			
WOB (x1000)			
R.P.M.			
JV			

TIME ANALYSIS

Drilling:	
Reaming:	
Coring:	
Circ & Cond Mud:	
Tripping:	
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	
Logging:	
Run Casing:	
Cementing:	1
W.O.C.:	12
N.U. & Test BOP:	7
D.S.T.:	
Handle Tools:	4

PUMP DATA

Type:	SCREW	
Bore x S'ke:	800 x	x
SPM:		
Pressure:		
GPM:		
A.V.(DP/DC)	/	

SLOW PUMP

SPM	
PSI	

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	0	0	42584
Cumulative:	2743	0	504050

BHA:

Buoyed DC Wt.:
BHA Total Length:

Hook Load: 80000 CSG

DP Rating:
Margin:

REMARKS: CONDUCT TOP UP CEMENT JOB. WAIT ON CEMENT. MONITOR SAMPLES. PREPARE WELLHEAD & BOP EQUIPMENT. INSTALL SWACO HYDRAULIC CHOKE. BACK OUT & LAY OUT LANDING JOINT. INSTALL A SECTION. INSTALL B SECTION. NIPPLE UP BOP. CHANGE PIPE RAMS TO 4-1/2".

TEMP: 8 °C | WEATHER: CLEAR | REPORTED BY: B. GRIINKE | TO: A. SIV

Santos

DAILY DRILLING REPORT

WELL NAME: EAST MEREENIE 37

DATE:- 08/06/95
DFS:- 12

Status - 0700 hrs: RUN DEVIATION SURVEY
Depth - 0700 hrs: 739M
Depth - Midnight: 692M
24hr Progress:
Formation: UPPER STOKES
Proposed TD: 1632M
Well Type:
CONTRACTOR: ODE MJV 1
Last Casing: 10.75" at 690.70 m.

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	

ADDITIVES

QUIK FOAM	
BARACOR 1635	

SURVEYS

0.25	Deg.	102	m.
1.00	Deg.	252	m.
0.75	Deg.	399	m.
1.00	Deg.	553	m.
2.25	Deg.	678	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	

BIT DATA

No.	8		
Size	9-7/8"		
Type	HTC ATM11H		
Serial No.	L89PB		
Jets	OPEN		
Out m.			
In m.	692		
Drilled m.	CEMENT		
Bit Hours	0.5		
Condition			
Avg. ROP			
WOB (x1000)	25000		
R.P.M.	75		
JV			

TIME ANALYSIS

Drilling:	
Reaming:	
Coring:	
Circ & Cond Mud:	
Tripping:	2.5
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	15.5
D.S.T.:	
Handle Tools:	4.5
	1.5

PUMP DATA

Type:	F800	2 X 85 SPM	SPM
Bore x S'ke:	0" x 9"	x	
SPM:	543		PSI
Pressure:	850		
GPM:			
A.V.(DP/DC)	/		

BHA:

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	0	0	62545
Cumulative:	2743	0	566595

Buoyed DC Wt.:
BHA Total Length:
Hook Load:
DP Rating:
Margin:

REMARKS: NIPPLE UP BOP. INSTALL FLOWLINE AND RE-INSTALL BLOOIE LINE. TEST BOP. BLIND RAMS, WELLHEAD, CASING TO 200 PSI, 1500 PSI, PIPE RAMS, ANNULAR TO 200 PSI, 2000 PSI. CHOKE & KILL LINE VALVES, MANIFOLD VALVES TO 200, 2000 PSI. 3 KELLY COCKS TO 200 PSI, 2000 PSI. STANDPIPE SENSATOR INSTALLATION TO 2500 PSI. REPAIR LEAKS AS REQUIRED. LAY OUT 8" COLLARS. INSTALL STANDPIPE SENSATORS. MAKE UP 9-7/8" DRILLING ASSEMBLY. RIH. DRILL OUT PLUGS & CEMENT.

TEMP: 8 °C | WEATHER: CLEAR | REPORTED BY: B. GRIINKE | TO: A. SIV

DAILY DRILLING REPORT

Santos

WELL NAME: EAST MEREENIE 37

DATE:- 09/06/95
DFS:- 13

Status - 0700 hrs: AIR MIST DRILL 9-7/8" HOLE
Depth - 0700 hrs: 956M Formation: UPPER STAIRWAY CONTRACTOR: ODE MJV 1
Depth - Midnight: 951M Proposed TD: 1632M Last Casing: 10.75" at 690.78 m.
24hr Progress: 259M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	

ADDITIVES

QUIK FOAM	2
BARACOR 1635	1

SURVEYS

10.25	Deg.	770.47	m.
14.20	Deg.	808.95	m.
18.00	Deg.	847.57	m.
22.00	Deg.	885.89	m.
25.20	Deg.	924.51	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	50/80

BIT DATA

No.	8		
Size	9-7/8"		
Type	HTC ATM11H		
Serial No.	L89PB		
Jets	OPEN		
Out m.			
In m.	692		
Drilled m.	259		
Bit Hours	165		
Condition			
Avg. ROP	15.7		
WOB (x1000)	25000		
R.P.M.	75		
JV			

TIME ANALYSIS

Drilling:	17.5
Reaming:	
Coring:	
Circ & Cond Mud:	0.5
Tripping:	0.5
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	3.5
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	
	2

PUMP DATA

Type:	SCREW	
Bore x S'ke:	800 x	x
SPM:	3X800	
Pressure:	850	
GPM:	10	
A.V.(DP/DC)	3500 /	

SLOW PUMP

SPM	
PSI	

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	1659	0	32176
Cumulative:	4402	0	598771

BHA:
BIT-NB STABILIZER-MONEL-13x7" DC'S-X/O SUB-8x6-1/4" DC'S-HE DRILLING JAR

Buoyed DC Wt.: 71000 LBS Hook Load: 110000 LBS DP Rating:
BHA Total Length: 275.08M Margin:

REMARKS: DRILL OUT PLUGS & CEMENT. DRILL 9-7/8" HOLE 692-695M. CIRCULATE HOLE CLEAN. CONDUCT FIT WITH HOWCO; EMW 16.7 PPG. UNLOAD HOLE. AIR MIST DRILL 9-7/8" HOLE 695-951M, RUN DEVIATION SURVEYS AND SERVICE RIG. HOIST FOR BIT CHANGE.

TEMP: 7 °C WEATHER: CLEAR REPORTED BY: B. GRIINKE TO: A. SIV

Santos

DAILY DRILLING REPORT

WELL NAME: EAST MEREENIE 37

DATE:- 10/06/95
DFS:- 14

Status - 0700 hrs: REAM FROM 951 METRES
Depth - 0700 hrs: 1051M Formation: MIDDLE STAIRWAY CONTRACTOR: ODE MJV 1
Depth - Midnight: 1051M Proposed TD: 1632M Last Casing: 10.75" at 690.78 m.
24hr Progress: 100M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	C. WALLACE

ADDITIVES

GEL	20
EZ MUD	1
CAUSTIC	2

SURVEYS

25.20	Deg.	924.51	m.
30.00	Deg.	967.03	m.
33.30	Deg.	995.88	m.
34.70	Deg.	1024.7	m.
35.80	Deg.	1043.9	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	50/80

BIT DATA

No.	8	9	
Size	9-7/8"	9-7/8"	
Type	HTC ATM11H	SMITHMF30D	
Serial No.	L89PB	LD0117	
Jets	OPEN	OPEN	
Out m.	951	1051	
In m.	692	951	
Drilled m.	259	100	
Bit Hours	16.5	14	
Condition	37BT.G.E.I	48BT.G.E.L	
Avg. ROP	15.70	7.14	
WOB (x1000)	30	30	
R.P.M.	60	85	
JV			

TIME ANALYSIS

Drilling:	14
Reaming:	
Coring:	
Circ & Cond Mud:	
Tripping:	5
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	3.5
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	1
-	0.5

PUMP DATA

Type:	SCREW	
Bore x S'ke:	800 x	x
SPM:	3X800	
Pressure:	850	
GPM:	10	
A.V.(DP/DC)	3500 /	

SLOW PUMP

SPM	
PSI	

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	441	0	39761
Cumulative:	4843	0	638532

BHA:
BIT-NB STABILIZER-MONEL-13x7" DC-X/O SUB-8x6-1/4" DC-HE DRILLING JAR-1x6-1/4" DC

Buoyed DC Wt.: 71000 LBS Hook Load: 118000 LBS DP Rating:
BHA Total Length: 275.08M Margin:

REMARKS: POOH. CHANGE BIT & BHA. RIH. INSTALL ROTATING HEAD. AIR MIST DRILL 9-7/8" HOLE 951-1003M, RUN DEVIATION SURVEYS. AIR MIST DRILL 9-7/8" HOLE 1003-1022M. RUN DEVIATION SURVEY. MISRUN. AIR MIST DRILL 9-7/8" HOLE 1022-1051M. RUN DEVIATION SURVEY. MISRUN. POOH FOR BIT CHANGE.

TEMP: 8 °C WEATHER: OVERCAST REPORTED BY: B. GRIINKE TO: A. SIV

DAILY DRILLING REPORT

Santos

WELL NAME: EAST MEREENIE 37

DATE:- 11/06/95
DFS:- 15

Status - 0700 hrs: AIR MIST DRILL 9-7/8" HOLE
Depth - 0700 hrs: 1187M Formation: LOWER STAIRWAY CONTRACTOR: ODE MJV 1
Depth - Midnight: 1162M Proposed TD: 1632M Last Casing: 10.75" at 690.78Mm.
24hr Progress: 111M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	C. WALLACE

ADDITIVES

CAUSTIC	1
QUIK FOAM	1

SURVEYS

35.80	Deg.	1043.9	m.
35.40	Deg.	1063.1	m.
34.40	Deg.	1092.1	m.
34.30	Deg.	1130.6	m.
33.60	Deg.	1149.8	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	50/80

BIT DATA

No.	9	10	
Size	9-7/8"	9-7/8"	
Type	SMITHMF3OD	SMITHMF3OD	
Serial No.	LD0117	LD0119	
Jets	OPEN	OPEN	
Out m.	1051	1162	
In m.	951	1051	
Drilled m.	100	111	
Bit Hours	14	8	
Condition	48BT.G.E.L	48BT.G.I.I	
Avg. ROP	7.14	13.88	
WOB (x1000)	30	40	
R.P.M.	85	70	
JV			

TIME ANALYSIS

Drilling:	8
Reaming:	4.5
Coring:	
Circ & Cond Mud:	
Tripping:	7.5
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	2.5
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	1.5

PUMP DATA

Type:	SCREW	
Bore x S'ke:	800 x	x
SPM:	3X800	
Pressure:	850	
GPM:	10	
A.V.(DP/DC)	3500 /	

SLOW PUMP

SPM	
PSI	

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	576	0	36156
Cumulative:	5419	0	674688

BHA:
BIT-NB STAB-MONEL-STR STAB-2x7" DC-X/O SUB-STR STAB-X/O SUB-11x7" DC-X/O SUB

Buoyed DC Wt.: 71000 LBS Hook Load: 120000 LBS DP Rating:
BHA Total Length: 179.06M Margin:

REMARKS: POOH. CHANGE BIT & BHA. RIH, INSTALL RH. REAM 952-1051M. AIR MIST DRILL 9-7/8" HOLE 1051-1162M, RUN DEVIATION SURVEYS. POOH FOR BIT CHANGE.

TEMP: 4 °C WEATHER: OVERCAST REPORTED BY: B. GRIINKE TO: A. SIV

DAILY DRILLING REPORT

Santos

WELL NAME: EAST MEREENIE 37

DATE:- 12/06/95
DFS:- 16

Status - 0700 hrs: AIR MIST DRILL 9-7/8" HOLE
Depth - 0700 hrs: 1245M Formation: HORN VALLEY CONTRACTOR: ODE MJV 1
Depth - Midnight: 1245M Proposed TD: 1632M Last Casing: 10.75" at 690.78Mm.
24hr Progress: 83M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	C. WALLACE

ADDITIVES

SALT	66
QUIK FOAM	1
BARACOR 1635	1

SURVEYS

34.40	Deg.	1092.1	m.
34.30	Deg.	1130.6	m.
33.60	Deg.	1149.8	m.
33.40	Deg.	1180.2	m.
30.50	Deg.	1237.9	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	50/80

BIT DATA

No.	10	11	
Size	9-7/8"	9-7/8"	
Type	SMITHMF3OD	SMITHMF3OD	
Serial No.	LD0119	LD0122	
Jets	OPEN	OPEN	
Out m.	1162	1245	
In m.	1051	1162	
Drilled m.	111	83	
Bit Hours	8	7	
Condition	48BT.G.I.I	48RG.G.E.I	
Avg. ROP	13.88	11.86	
WOB (x1000)	40	30	
R.P.M.	70	90	
JV			

TIME ANALYSIS

Drilling:	7
Reaming:	0.5
Coring:	
Circ & Cond Mud:	2.5
Tripping:	6
Rig Service:	
Rig Repair:	
Slip & Cut Line:	0.5
Surveys:	1
Logging:	4.5
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	1.5
	0.5

PUMP DATA

Type:	SCREW	
Bore x S'ke:	800 x	x
SPM:	3X800	
Pressure:	850	
GPM:	10	
A.V.(DP/DC)	3500 /	

SLOW PUMP

SPM

PSI

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	1697	0	35279
Cumulative:	7116	0	709967

BHA:
BIT-NB STAB-MONEL-X/O SUB-SHORT DC-X/O SUB-STR STAB-X/O SUB-13x7" DC-X/O SUB

Buoyed DC Wt.: 71000 LBS Hook Load: 125000 LBS DP Rating:
BHA Total Length: 280.63M Margin:

REMARKS: CHANGE BIT & BHA. RIH. SLIP LINE & SERVICE RIG. RIH 1157M. REAM 1157-1162M. AIR MIST DRILL 9-7/8" HOLE 1162-1245M, RUN DEVIATION SURVEYS AND BLOW WELL. WORK PIPE. DISPLACE HOLE WITH SALT BRINE. POOH. RIG UP SCHLUMBERGER. LOG WELL. RUN 1: FMS-GR-AMS.

TEMP: 4 °C | WEATHER: CLEAR | REPORTED BY: B. GRIINKE TO: A. SIV

DAILY DRILLING REPORT

Santos

WELL NAME: EAST MEREENIE 37

DATE:- 13/06/95
DFS:- 17

Status - 0700 hrs: RIH WITH 8-1/2" DRILLING ASSEMBLY
Depth - 0700 hrs: 1267M Formation: HORN VALLEY CONTRACTOR: ODE MJV 1
Depth - Midnight: 1267M Proposed TD: 1632M Last Casing: 10.75" at 690.78 m.
24hr Progress: 22M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	C. WALLACE

ADDITIVES

CAUSTIC	1

SURVEYS

33.60 Deg.	1149.8 m.
33.40 Deg.	1180.2 m.
30.50 Deg.	1237.9 m.
30.30 Deg.	1251.6 m.
31.00 Deg.	1261.2 m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	50/80

BIT DATA

No.	11	12	
Size	9-7/8"	9-7/8"	
Type	SMITHMF3OD	SMITHMF3OD	
Serial No.	LD0122	LD0120	
Jets	OPEN	OPEN	
Out m.	1245	1267	
In m.	1162	1245	
Drilled m.	83	22	
Bit Hours	7	1.5	
Condition	48RG.G.E.I	33CT.G.E.I	
Avg. ROP	11.86	14.67	
WOB (x1000)	30	20	
R.P.M.	90	80	
JV			

TIME ANALYSIS

Drilling:	1.5
Reaming:	8
Coring:	
Circ & Cond Mud:	1.5
Tripping:	3
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	1.5
Logging:	1
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	3.5
	4

PUMP DATA

Type:	SCREW	
Bore x S'ke:	800 x	x
SPM:	3X800	
Pressure:	260	
GPM:	10	
A.V.(DP/DC)	3500 /	

SLOW PUMP

SPM	
PSI	

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	34	0	79072
Cumulative:	7150	0	789039

BHA:
BIT-NB STAB-MONEL-13x7" DC-X/O SUB-8x6-1/4" DC-6xHW

Buoyed DC Wt.: 71000 LBS Hook Load: 120000 LBS DP Rating:
BHA Total Length: 275.08M Margin:

REMARKS: LOG WELL. RUN 1: FMS-GR-AMS. RIG DOWN SCHLUMBERGER. PROCESS LOGS & REVISE EM37 TARGET. MAKE UP 9-7/8" DRILLING ASSEMBLY. RIH TO 655M. INSTALL ROTATING HEAD & UNLOAD HOLE. RIH TO 968M. REAM 968-1245M, HANDLE PIPE. AIR MIST DRILL 9-7/8" HOLE 1245-1267M, AND RUN DEVIATION SURVEYS. BLOW THE HOLE & WORK TIGHT HOLE AT 1258M. POOH.

TEMP: 7 °C | WEATHER: SHOWERS | REPORTED BY: B. GRIINKE TO: A. SIV

DAILY DRILLING REPORT

Santos

WELL NAME: EAST MEREENIE 37

DATE:- 14/06/95
DFS:- 18

Status - 0700 hrs: CONDUCT WELL FLOW TEST OPERATION
Depth - 0700 hrs: 1379M Formation: PACOOTA P1 CONTRACTOR: ODE MJV 1
Depth - Midnight: 1340M Proposed TD: 1632M Last Casing: 10.75" at 690.78Mm.
24hr Progress: 73M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	C. WALLACE

ADDITIVES

QUIK FOAM	1

SURVEYS

30.50 Deg.	1237.9 m.
30.30 Deg.	1251.6 m.
31.00 Deg.	1261.2 m.
32.00 Deg.	1227.6 m.
32.00 Deg.	1259.3 m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	50/80

BIT DATA

No.	13	14	
Size	8-1/2"	8-1/2"	
Type	SMITH F5OD	SMITH F5OD	
Serial No.	LC8180	LC4352	
Jets	OPEN	OPEN	
Out m.	1340		
In m.	1267	1340	
Drilled m.	73		
Bit Hours	6.5		
Condition	37BT.G.E		
Avg. ROP	11.23		
WOB (x1000)	35		
R.P.M.	75		
JV			

TIME ANALYSIS

Drilling:	6.5
Reaming:	1
Coring:	
Circ & Cond Mud:	
Tripping:	10
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	1
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	5
	0.5

PUMP DATA

Type:	SCREW	
Bore x S'ke:	800 x	x
SPM:	3X800	
Pressure:	260	
GPM:	10	
A.V.(DP/DC)	3500 /	

SLOW PUMP

SPM	
PSI	

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	542	0	41930
Cumulative:	7692	0	830969

BHA:
BIT-NB STAB-MONEL-STAB-1 X 6-1/4" DC-STAB-17 X 6-1/4" DC-JAR-1 X 6-1/4" DC-6xHW

Buoyed DC Wt.: 57000 LBS Hook Load: 120000 LBS DP Rating:
BHA Total Length: 250.70M Margin:

REMARKS: POOH. LAY OUT 9-7/8" DRILLING ASSEMBLY. PREPARE & MAKE UP 8-1/2" DRILLING ASSEMBLY. RIH. WASH 1250-1267M. AIR MIST DRILL 8-1/2" HOLE 1267-1340M, RUN DEVIATION SURVEYS. CHECK PRIMARY JET & CONNECTIONS. POOH. CHANGE BIT, STAB & RIH.

TEMP: 7 °C | WEATHER: RAINING | REPORTED BY: B. GRIINKE TO: A. SIV

Santos

DAILY DRILLING REPORT

WELL NAME: EAST MEREENIE 37

DATE:- 15/06/95
DFS:- 19

Status - 0700 hrs: CONDUCT WELL FLOW TEST OPERATION (3.12 MMCFD; 1366-1370M)
Depth - 0700 hrs: 1465M Formation: PACOOTA P2 CONTRACTOR: ODE MJV 1
Depth - Midnight: 1465M Proposed TD: 1632M Last Casing: 10.75" at 690.78Mm.
24hr Progress: 125M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	C. WALLACE

ADDITIVES

QUIK FOAM	1

SURVEYS

32.00 Deg.	1333.0 m.
32.50 Deg.	1381.2 m.
31.50 Deg.	1410.1 m.
31.00 Deg.	1439.0 m.
30.70 Deg.	1458.2 m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	50/80

BIT DATA

No.	13	14	
Size	8-1/2"	8-1/2"	
Type	SMITH F5OD	SMITH F5OD	
Serial No.	LC8180	LC4352	
Jets	OPEN	OPEN	
Out m.	1340	1465	
In m.	1267	1340	
Drilled m.	73	125	
Bit Hours	6.5	14	
Condition	37BT.G.E.		
Avg. ROP	11.23	8.93	
WOB (x1000)	35	35	
R.P.M.	75	75	
JV			

TIME ANALYSIS

Drilling:	13.5
Reaming:	2
Coring:	
Circ & Cond Mud:	
Tripping:	
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	
Logging:	3
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	
	5.5

PUMP DATA

Type:	SCREW	
Bore x S'ke:	800 x	x
SPM:	4X800	
Pressure:	320	
GPM:	32	
A.V.(DP/DC)	3500 /	

SLOW PUMP

SPM	
PSI	

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	542	0	36600
Cumulative:	8234	0	867569

BHA:
BIT-NB STAB-MONEL-STAB-1x6-1/4" DC-STAB-17x6-1/4" DC-JAR-1x6-1/4" DC-6xHW

Buoyed DC Wt.: 57000 LBS Hook Load: 125000 LBS DP Rating:
BHA Total Length: 250.70M Margin:

REMARKS: INSTALL ROTATING HEAD. REAM 1270-1340M. AIR MIST DRILL 8-1/2" HOLE 1340-1379M. CONDUCT WELL FLOW TEST (3.12 MMCFD). RUN DEVIATION SURVEY (MISSRUN). AIR MIST DRILL 8-1/2" HOLE 1379-1465M, WITH DEVIATION SURVEYS.

TEMP: 4 °C | WEATHER: RAINING | REPORTED BY: B. GRIINKE TO: R. GOOSEM

DAILY DRILLING REPORT

Santos

WELL NAME: EAST MEREENIE 37

DATE:- 16/06/95
DFS:- 20

Status - 0700 hrs: DRILL 8-1/2" HOLE
Depth - 0700 hrs: 1505M Formation: PACOOTA P3 CONTRACTOR: ODE MJV 1
Depth - Midnight: 1489M Proposed TD: 1632M Last Casing: 10.75" at 690.78Mm.
24hr Progress: 24M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	8.8
Viscosity:	50
PH:	8.0
PV / YP:	19 / 11
Gels:	5/10/-
W.L./F.C.:	5 1 / 32
Solids%:	1.2
Sands%:	0.5
Chlorides:	34000
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	C. WALLACE

ADDITIVES

AQUAGEL	131
BARACIDE	1
BICARBONATE	1
CAUSTIC	4
DEXTRID	60
EZ MUD	19
PAC-R	15
SALT	303
SODA ASH	3

SURVEYS

32.50 Deg.	1381.2 m.
31.50 Deg.	1410.1 m.
31.00 Deg.	1439.0 m.
30.70 Deg.	1458.2 m.
30.00 Deg.	1484.6 m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	50/80

BIT DATA

No.	14	15	
Size	8-1/2"	8-1/2"	
Type	SMITH F5OD	SMITH F5OD	
Serial No.	LC4352	LC8178	
Jets	OPEN	OPEN	
Out m.	1465		
In m.	1340	1465	
Drilled m.	125	24	
Bit Hours	14	8.5	
Condition	57BT.G.E.		
Avg. ROP	8.93	2.82	
WOB (x1000)	35	38	
R.P.M.	75	70	
JV		257	

TIME ANALYSIS

Drilling:	8.5
Reaming:	1.5
Coring:	
Circ & Cond Mud:	1
Tripping:	5
Rig Service:	
Rig Repair:	
Slip & Cut Line:	1
Surveys:	0.5
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	2
	4.5

PUMP DATA

Type:	EMSCO F800		
Bore x S'ke:	6" x 9"	x	2.45 SPM
SPM:	83		
Pressure:	1500		PSI
GPM:	265		
A.V.(DP/DC)	125 / 196		

SLOW PUMP

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	11617	0	43009
Cumulative:	19851	0	910578

BHA:
BIT-NB STAB-MONEL-STAB-1x6-1/4" DC'S-STAB-22x6-1/4" DC'S-JAR

Buoyed DC Wt.: 49000 LBS Hook Load: 115000 LBS DP Rating:
BHA Total Length: 296.31M Margin:

REMARKS: RUN DEVIATION SURVEY. SHUT IN WELL FOR BUILD UP FOR WELL KILL. CONDUCT WELL KILL. CIRCULATE BOTTOMS UP. REMOVE RH & DRIVE; INSTALL MUD GAUGE ON STANDPIPE. POOH. SLIP & CUT LINE. POOH. CHANGE BIT & BHA. RIH (PICK UP COLLARS, LAY OUT EXCESS PIPE. REAM 1431-1465M. DRILL 8-1/2" HOLE 1465-1489M.

TEMP: 1 °C WEATHER: CLOUDY REPORTED BY: B. GRIINKE TO: R. GOOSEM

DAILY DRILLING REPORT

Santos

WELL NAME: EAST MEREENIE 37

DATE:- 17/06/95
DFS:- 21

Status - 0700 hrs: DRILL 8-1/2" HOLE
Depth - 0700 hrs: 1552M Formation: PACOOTA P3 CONTRACTOR: ODE MJV 1
Depth - Midnight: 1530M Proposed TD: 1632M Last Casing: 10.75" at 690.78Mm.
24hr Progress: 41M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	8.8
Viscosity:	55
PH:	8.5
PV / YP:	20 / 18
Gels:	5/10/-
W.L./F.C.:	5 1 / 32
Solids%:	1.2
Sands%:	0.5
Chlorides:	34000
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	C. WALLACE

ADDITIVES

BARACOR 129	2
BAROFIBRE	160
CAUSTIC	1
DEXTRID	6
PAC-R	2
SALT	20

SURVEYS

31.50	Deg.	1410.1	m.
31.00	Deg.	1439.0	m.
30.70	Deg.	1458.2	m.
30.00	Deg.	1484.6	m.
28.80	Deg.	1523.1	m.

SOLIDS CONTROL

DESANDER		DESILTER/M.C.
0.7	GPM	GPM
11.3	U.F.	U.F.
8.75	O.F.	O.F.
17.5	Hrs.	Hrs.
Shaker Screen		50/80

BIT DATA

No.	15	16	
Size	8-1/2"	8-1/2"	
Type	SMITH F5OD	SMITH F5OD	
Serial No.	LC8178	LC8195	
Jets	12.12.12	12.12.12	
Out m.	1530		
In m.	1465	1530	
Drilled m.	65		
Bit Hours	24		
Condition	8-E-1/32		
Avg. ROP	2.71		
WOB (x1000)	38		
R.P.M.	70		
JV	257		

TIME ANALYSIS

Drilling:	15.5
Reaming:	
Coring:	
Circ & Cond Mud:	1
Tripping:	5.5
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	1
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	1

PUMP DATA

			SLOW PUMP
Type:	EMSCO F800		
Bore x S'ke:	6" x 9"	x	45 SPM
SPM:	83		
Pressure:	1550		510 PSI
GPM:	265		
A.V.(DP/DC)	125 / 196		

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	10526	0	40928
Cumulative:	30377	0	951506

BHA:
BIT-NB STAB-MONEL-STAB-1x6-1/4" DC'S-STAB-22x6-1/4" DC-JAR-1x6-1/4" DC'S-6 HWDP

Buoyed DC Wt.: 49000 LBS Hook Load: 120000 LBS DP Rating:
BHA Total Length: 296.31M Margin:

REMARKS: DRILL 8-1/2" HOLE 1489-1492M. RUN DEVIATION SURVEY. DRILL 8-1/2" HOLE 1492-1530M. CIRCULATE. RUN DEVIATION SURVEY. POOH. CHANGE BIT & BHA. RIH.

TEMP: 1 °C WEATHER: CLOUDY REPORTED BY: B. GRIINKE TO: R. GOOSEM

DAILY DRILLING REPORT

Santos

WELL NAME: EAST MEREENIE 37

DATE:- 18/06/95
DFS:- 22

Status - 0700 hrs: POOH TO LOG
Depth - 0700 hrs: 1600M Formation: PACOOTA P4 CONTRACTOR: ODE MJV 1
Depth - Midnight: 1589M Proposed TD: 1632M Last Casing: 10.75" at 690.78Mm.
24hr Progress: 59M Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	8.9
Viscosity:	49
PH:	8.5
PV / YP:	19 / 14
Gels:	5/11/-
W.L./F.C.:	4.8 / 1/32
Solids%:	2.1
Sands%:	0.8
Chlorides:	34000
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	C. WALLACE

ADDITIVES

BARACOR 129	3
CAUSTIC	3
LIME	2
SODA ASH	1

SURVEYS

31.00	Deg.	1439.0	m.
30.70	Deg.	1458.2	m.
30.00	Deg.	1484.6	m.
28.80	Deg.	1523.1	m.
27.50	Deg.	1580.8	m.

SOLIDS CONTROL

DESANDER		DESILTER/M.C.	
0.5	GPM		GPM
13.3	U.F.		U.F.
8.8	O.F.		O.F.
23	Hrs.		Hrs.
Shaker Screen		50/80	

BIT DATA

No.	15	16	
Size	8-1/2"	8-1/2"	
Type	SMITH F5OD	SMITH F5OD	
Serial No.	LC8178	LC8195	
Jets	12.12.12	12.12.12	
Out m.	1530		
In m.	1465	1530	
Drilled m.	65	59	
Bit Hours	24	22.5	
Condition	8-E-1/32		
Avg. ROP	2.71	2.62	
WOB (x1000)	38	38	
R.P.M.	70	60	
JV	257	257	

TIME ANALYSIS

Drilling:	22.5
Reaming:	0.5
Coring:	
Circ & Cond Mud:	
Tripping:	1
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	
Logging:	
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	

PUMP DATA

Type:	EMSCO F800		
Bore x S'ke:	6" x 9"	x	
SPM:	95		
Pressure:	1250		
GPM:	303		
A.V.(DP/DC)	125 / 196		

SLOW PUMP

45 SPM

420 PSI

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	354	0	25748
Cumulative:	30731	0	977254

BHA:
BIT-NB STAB-MONEL-STAB-1x6-1/4" DC-STAB-22x6-1/4" DC-JAR-1x6-1/4" DC'S-6xHW

Buoyed DC Wt.: 49000 LBS Hook Load: 120000 LBS DP Rating:
BHA Total Length: 296.31M Margin:

REMARKS: RIH. REAM 1520-1530M. DRILL 8-1/2" HOLE 1530-1589M.

TEMP: 1 °C | WEATHER: WINDY | REPORTED BY: B. GRIINKE TO: R. GOOSEM

DAILY DRILLING REPORT

Santos

WELL NAME: EAST MEREENIE 37

DATE:- 19/06/95
DFS:- 23

Status - 0700 hrs: LAY DOWN DRILL STRING
Depth - 0700 hrs: 1600M Formation: PACOOTA P4 CONTRACTOR: ODE MJV 1
Depth - Midnight: 1600M Proposed TD: 1632M Last Casing: 10.75" at 690.78 m.
24hr Progress: Well Type: DEVELOPMENT

MUD PROPERTIES

Density:	8.9
Viscosity:	49
PH:	8.5
PV / YP:	19 / 14
Gels:	5/11/-
W.L./F.C.:	4.8 / 1/32
Solids%:	2.1
Sands%:	0.8
Chlorides:	34000
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	C. WALLACE

ADDITIVES

SALT	24

SURVEYS

31.00 Deg.	1439.0 m.
30.70 Deg.	1458.2 m.
30.00 Deg.	1484.6 m.
28.80 Deg.	1523.1 m.
27.50 Deg.	1580.8 m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
0.5 GPM	GPM
13.3 U.F.	U.F.
8.8 O.F.	O.F.
5 Hrs.	Hrs.
Shaker Screen	50/80

BIT DATA

No.	15	16	
Size	8-1/2"	8-1/2"	
Type	SMITH F5OD	SMITH F5OD	
Serial No.	LC8178	LC8195	
Jets	12.12.12	12.12.12	
Out m.	1530		
In m.	1465	1530	
Drilled m.	65	59	
Bit Hours	24	22.5	
Condition	8-E-1/32	8-E-1/32	
Avg. ROP	2.71	2.62	
WOB (x1000)	38	38	
R.P.M.	70	60	
JV	257	257	

TIME ANALYSIS

Drilling:	4.5
Reaming:	
Coring:	
Circ & Cond Mud:	1.5
Tripping:	3.5
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	0.5
Logging:	14
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	
D.S.T.:	
Handle Tools:	

PUMP DATA

			SLOW PUMP
Type:	EMSCO F800		45 SPM
Bore x S'ke:	6" x 9"	x	
SPM:	95		420 PSI
Pressure:	1250		
GPM:	303		
A.V.(DP/DC)	125 / 196		

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	211	0	85236
Cumulative:	30942	0	1062492

BHA:
BIT-NB STAB-MONEL-STAB-1x6-1/4" DC'S-STAB-22x6-1/4" DC'S-JAR-1x6-1/4" DC'S-6xHW

Buoyed DC Wt.: 49000 LBS Hook Load: 120000 LBS DP Rating:
BHA Total Length: 296.31M Margin:

REMARKS: RUN DEVIATION SURVEY. DRILL 8-1/2" HOLE 1589-1600M. CIRCULATE. POOH. RIG UP SCHLUMBERGER. PREPARE TO RUN #1. RUN 1: DLL-MSFL-LDL-CNL-GR-NGT-AMS. PREPARE TO RUN #2. RUN 2: FMS4-GR-AMS. INTEGRATED CEMENT VOLUMES: 800 CU FT - 910-1600M.

TEMP: 1 °C WEATHER: CLEAR REPORTED BY: B. GRIINKE TO: R. GOOSEM

Santos

DAILY DRILLING REPORT

WELL NAME: EAST MEREENIE 37

DATE:- 20/06/95
DFS:- 24

Status - 0700 hrs: RUN 5-1/2" CASING
Depth - 0700 hrs: 1600M
Depth - Midnight: 1600M
24hr Progress:
Formation: PACOOTA P4
Proposed TD: 1632M
Well Type: DEVELOPMENT
CONTRACTOR: ODE MJV 1
Last Casing: 10.75" at 690.78Mm.

MUD PROPERTIES

Density:	8.9
Viscosity:	49
PH:	8.5
PV / YP:	19 / 14
Gels:	5/11/-
W.L./F.C.:	4.8 / 1/32
Solids%:	2.1
Sands%:	0.8
Chlorides:	34000
K+:	
Nitrates:	
Mud Co.:	BAROID
Mud Engineer:	C. WALLACE

ADDITIVES

SALT	28

SURVEYS

31.00	Deg.	1439	m.
30.70	Deg.	1458.2	m.
30.00	Deg.	1484.6	m.
28.80	Deg.	1523.3	m.
27.50	Deg.	1580.8	m.

SOLIDS CONTROL

DESANDER		DESILTER/M.C.	
0.5	GPM		GPM
13.3	U.F.		U.F.
8.8	O.F.		O.F.
5	Hrs.		Hrs.
Shaker Screen		50/80	

BIT DATA

No.	15	16	
Size	8-1/2"	8-1/2"	
Type	SMITH F50D	SMITH F50D	
Serial No.	LC8178	LC8195	
Jets	12.12.12	12.12.12	
Out m.	1530		
In m.	1465	1530	
Drilled m.	65	59	
Bit Hours	24	22.5	
Condition	8-E-1/32	8-E-1/32	
Avg. ROP	2.71	2.62	
WOB (x1000)	38	38	
R.P.M.	70	60	
JV	257	257	

TIME ANALYSIS

Drilling:	
Reaming:	
Coring:	
Circ & Cond Mud:	1.5
Tripping:	3
Rig Service:	
Rig Repair:	
Slip & Cut Line:	0.5
Surveys:	
Logging:	2
Run Casing:	
Cementing:	
W.O.C.:	
N.U. & Test BOP:	1.5
D.S.T.:	
Handle Tools:	13.5
-	2

PUMP DATA

Type:	EMSCO F800		
Bore x S'ke:	6" x 9"	x	
SPM:	95		
Pressure:	1250		
GPM:	303		
A.V.(DP/DC)	125 / 196		

SLOW PUMP

45	SPM
420	PSI

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	246	0	25926
Cumulative:	31188	0	1088416

BHA:
BIT-NB STAB-MONEL-STAB-1x6-1/4" DC'S-STAB-22x6-1/4" DC'S-JAR-1x6-1/4" DC'S-6xHW

Buoyed DC Wt.: 49000 LBS
BHA Total Length: 296.31M
Hook Load: 120000 LBS
DP Rating:
Margin:

REMARKS: LOG WELL. RUN 2: FMS4-GR-AMS. LAY OUT LOGGING TOOLS, RIG DOWN SCHLUMBERGER. LAY OUT MONEL, RIH. SLIP LINE. RIH. CIRCULATE. LAY DOWN DRILL STRING & KELLY. BREAK ALL CONNECTIONS. LAY OUT HANDLING TOOLS. CHANGE RAMS TO 5-1/2". INSTALL TEST PLUG & TEST BONNET SEALS TO 500 PSI. LAY OUT ANCHOR PIPE, RIG TO RUN CASING.

TEMP:-1 °C | WEATHER: WINDY | REPORTED BY: B. GRIINKE TO: R. GOOSEM

Santos

DAILY DRILLING REPORT

WELL NAME: EAST MEREENIE 37

DATE:- 21/06/95
DFS:- 25

Status - 0700 hrs: PREPARE TUBING HANDLING TOOLS
Depth - 0700 hrs: 1579.4PB Formation:
Depth - Midnight: 1579.4PB Proposed TD: 1632m
24hr Progress: Well Type: DEVELOPMENT
CONTRACTOR: ODE MJV 1
Last Casing: 5-1/2" at 1592.7Mm.

MUD PROPERTIES

Density:	
Viscosity:	
PH:	
PV / YP:	/
Gels:	
W.L./F.C.:	/
Solids%:	
Sands%:	
Chlorides:	
K+:	
Nitrates:	
Mud Co.:	
Mud Engineer:	

ADDITIVES

SURVEYS

Deg.	m.
Deg.	m.
Deg.	m.
Deg.	m.
Deg.	m.

SOLIDS CONTROL

DESANDER	DESILTER/M.C.
GPM	GPM
U.F.	U.F.
O.F.	O.F.
Hrs.	Hrs.
Shaker Screen	

BIT DATA

No.	15	16	
Size	8-1/2"	8-1/2"	
Type	SMITH F5OD	SMITH F5OD	
Serial No.	LC8178	LC8195	
Jets	12.12.12	12.12.12	
Out m.	1530		
In m.	1465	1530	
Drilled m.	65	59	
Bit Hours	24	22.5	
Condition	8-E-1/32	8-E-1/32	
Avg. ROP	2.71	2.62	
WOB (x1000)	38	38	
R.P.M.	70	60	
JV	257	257	

TIME ANALYSIS

Drilling:	
Reaming:	
Coring:	
Circ & Cond Mud:	1
Tripping:	
Rig Service:	
Rig Repair:	
Slip & Cut Line:	
Surveys:	
Logging:	
Run Casing:	10
Cementing:	
W.O.C.:	
N.U. & Test BOP:	3.5
D.S.T.:	
Handle Tools:	0.5
	3

PUMP DATA

Type:	EMSCO F800		
Bore x S'ke:	6" x 9"	x	
SPM:			
Pressure:			
GPM:			
A.V.(DP/DC)	/		

SLOW PUMP

SPM

PSI

BHA:

COSTS:-	MUD	WATER	WELL TOTAL
Daily:	0	0	120728
Cumulative:	31888	0	1209144

Buoyed DC Wt.:
BHA Total Length:
Hook Load:
DP Rating:
Margin:

REMARKS: RUN 5-1/2" CASING. HOOK UP CEMENT HEAD & SURFACE LINES. CIRCULATE. CEMENT & DISPLACE. NIPPLE DOWN & LIFT BOP. SET CASING SLIPS. FINAL TRIM CASING TO 5" ABOVE B-SECTION. SET UP ROTARY TOOLS FOR INSPECTION. N.B. OPERATIONS CHANGED OVER FROM DRILLING TO COMPLETION AT 1800 HRS, 20/06/95.

TEMP: 1 °C | WEATHER: CLEAR | REPORTED BY: B. GRIINKE TO: R. GOOSEM

FORMATION TOPS

Santos

FORMATION TOPS

EAST MEREENIE 37

FORMATION	PREDICTED TOP m KB (TVD)	ACTUAL TOP m KB (TVD)
Parke Siltstone	Surface	Surface
Mereenie Sandstone	34	19
Carmichael Sandstone	553	540.96
Upper Stokes Siltstone	625	614.15
Lower Stokes Siltstone	866	853.74
Upper Stairway Sandstone	938	925.17
Middle Stairway Sandstone	995	980.74
Lower Stairway Sandstone (2)	1090	1076.64
Lower Stairway Sandstone (1)	1137	1125.22
Horn Valley Slitstone	1161	1149.64
Pacoota Sandstone..P1	1223	1214.04
Pacoota Sandstone..P2	1314	1309.6
Pacoota Sandstone..P3	1372	1370.55
Pacoota Sandstone..TOP P3-120/130	1401	1401.26
Pacoota Sandstone..BASE P3-120/130	1414	NP
Pacoota Sandstone..TOP P3-230/250	1432	1434.32
Pacoota Sandstone..BASE P3-230/250	1446	NP
Pacoota Sandstone..P4	1446	1447.08
TOTAL DEPTH	1481	1490.9

NOTE: ACTUAL TOPS FROM LOGS

7/10/95

DEPTH-TIME CURVE

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DRILLING RECORD - EAST MEREENIE 37

RIG EQUIPMENT

Draworks: OIME SL750 Pump No.1: F-800 Pump No.2: F-800
DP Size: 250 joints of 4 1/2" 16.6l bs/ft , Grade E with 4 1/2" IF connections.
DC Size: 14 x 4 1/2" HWDP, 2x 12 3/4" square DC,s, 2 3/4" ID,
6x 8" DC,s, 12x7" DC.s , 26x6 1/2" DC,s

MUD COMPANY: BAROID AUSTRALIA

DRILLING FLUID TYPE	INTERVAL	
AIR MIST	0	1465
SALT / POLYMER	1465	1600

LATITUDE:	24° 00' 31.42" S	CONTRACTOR:	O D & E
LONGITUDE:	131° 36' 14.23" E	RIG NO:	MJV #1
K.B. ELEVATION:	731m	DATE SPUDDED:	2300 hrs, 27 / 05 / 95
G.L. ELEVATION:	725m	DATE RIG RELEASED:	1800 hrs, 20 / 06 /95
TOTAL DEPTH (m):	1600m (Drill.) 1600m (Logr.)		

CASING AND CEMENTING

Depth (m KB)	Size (in.)	Weight (lb/ft)	Grade	Coupling	Cement (sx)	Cement Top (m K.B.)
690.78	10 3/4"	40.5	H-40	STC	300	SURFACE
1592.7	5 1/2"	17	L-80	LTC	700	790

SURVEY DATA

Depth	Deg.	Depth	Deg.	Depth	Deg.	Depth	Deg.	Depth	Deg.
0	0	236.6	0.8	967	30	1180.2	33.4	1410.2	31.5
42.5	0.2	292.6	0.9	1024.7	34.7	1237.9	30.5	1439	31
98.2	0.7	581.2	1	1044	35.9	1251.6	30.3	1458.3	30.7
125.7	0.5	712.6	4.5	1063.2	35.4	1261.2	31	1484.6	30
181.4	0.5	770.5	10.25	1092.1	34.4	1294.5	32	1523.1	28.8
208.9	0.6	847.5	18	1149.9	33.6	1381.3	32.5	1580.8	27.5

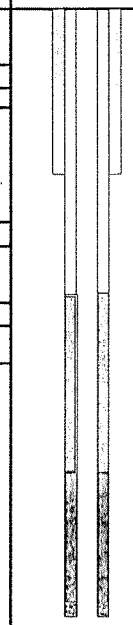
REMARKS: Completion, Abandonment, Problems, etc.

X
X
X

MUD PROPERTIES

Depth (m KB)	Density (ppg)	Viscosity (secs/qt)	W.L. (cc/30m)	pH	Cl (ppm)	P.V.	Y.P.	Gels (1/10)	% Solids
1465	8.8	50	5.1	8.0	34000	19	11	5/10	1.2
1530	8.8	55	5.1	8.5	34000	20	18	5/10	1.2
1589	8.9	49	4.8	8.5	34000	19	14	5/11	2.1
1600	8.9	49	4.8	8.5	34000	19	14	5/11	2.1

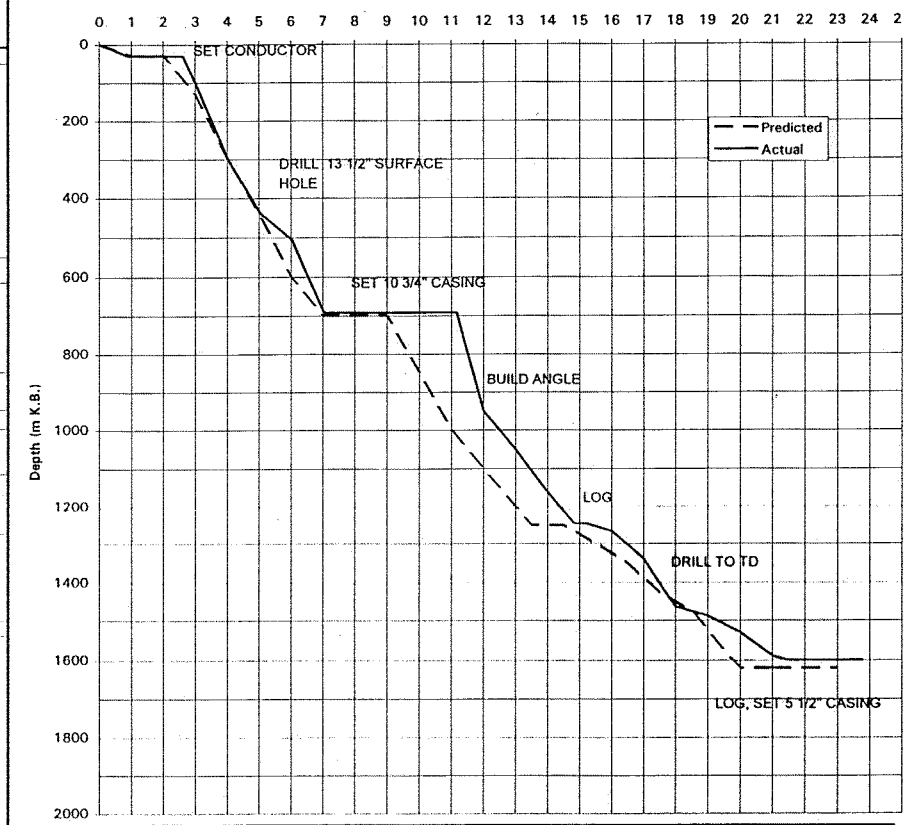
WELL SECTION



TD 1600 m

FORMATION

PARK SILTSTONE
MEREENIE SST
CARMICHEAL
UPPER STOKES
LOWER STOKES
UPPER STAIRWAY
MID STAIRWAY
L. STAIRWAY 2
L. STAIRWAY 1
HORN VALLEY
PACOOTA P1
P1 - 120 / 160
PACOOTA P2
PACOOTA P3
P3 -120 / 130
P3 - 230 / 250
PACOOTA P4



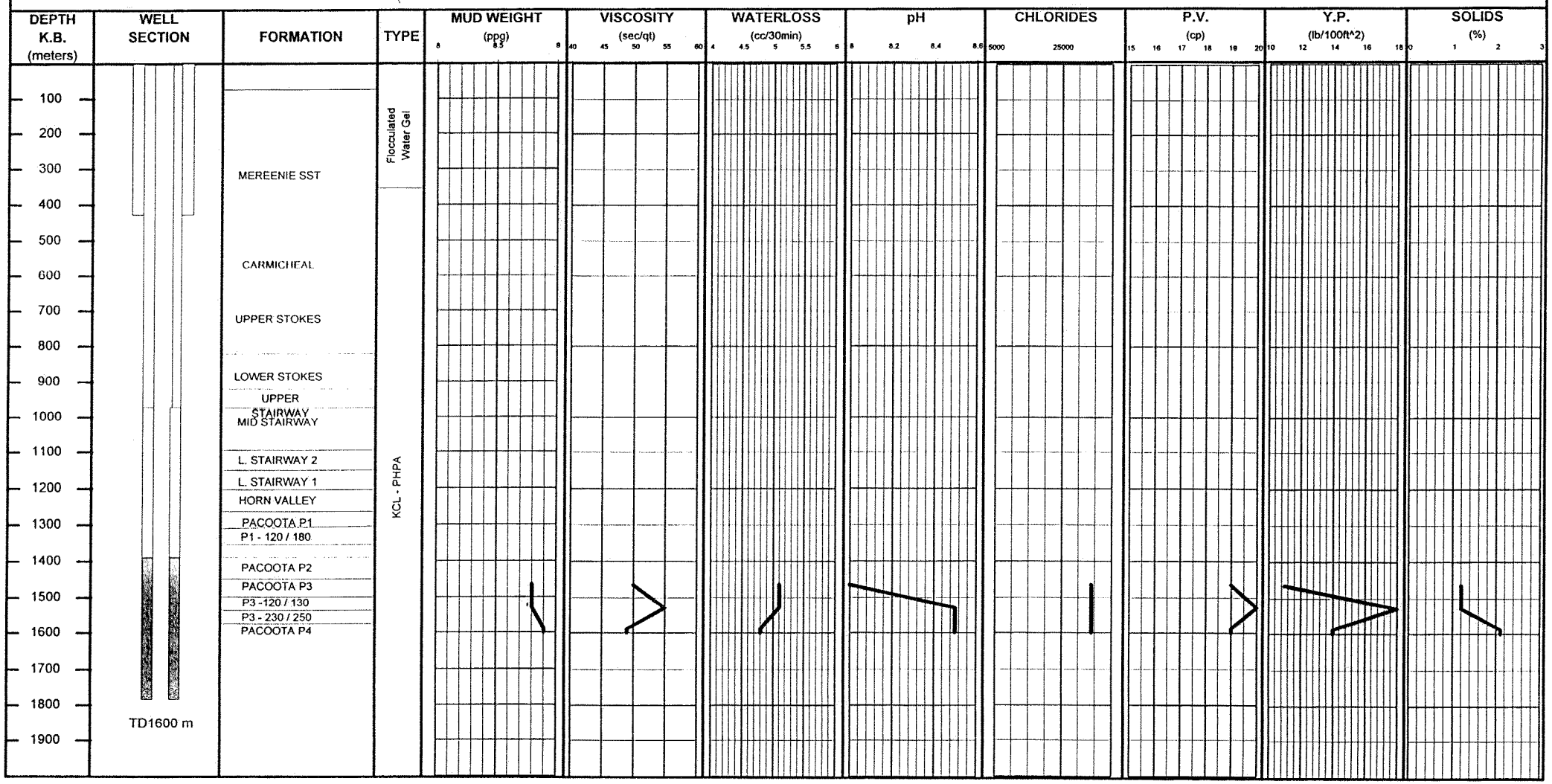
BIT (No.)	Size (in.)	Type	Jets	TFA (in^2)	Depth Out(m)	Mtrs.	Hrs	ROP (m/hr)	CUMM Hrs	WOB (x1000 lb)	RPM	Condition I	O	D	L	B	G	O	R	Pressure (Psi)	Gal/Min	Annular Velocity DP(m/min)	DC(m/min)	Jet Vel. (m/sec)	Remarks
1	9.875	IMPAX			34	34	2	17.0	2	1	20			10%	WEAR					200	2400cfm				HAMMER BIT FOR PILOT HOLE
2	17.50	/OPENER			34	34	7.5	4.5	9.5	1	20			10%	WEAR					200	3200cfm				HOLE OPENER
3	13.56	IMPAX			302	268	17	15.9	26.5	7	20			75%	WEAR					240	3200cfm				
4	13.50	ATJ55	OPEN		443	141	24.5	5.8	51	45	55	5	7	FC	M	E	I/16	BT	HR	240	3200cfm	1067	1067		
5	13.50	ATJ 55	OPEN		507	64	16	4.0	67	45	55	7	8	BT	A	F	I/8	LC	HR	240	3200cfm	1067	1067		
6	13.50	ATJ55	OPEN		625	118	21	5.6	88	35	65	3	4	BT	G	E	I/16	LC	HR	300	3200cfm	1067	1067		
7	13.50	ATM IIH	OPEN		692	67	8	8.4	95.5	35	65	4	6	BT	M	E	I	NO	TD	300	3200cfm	1067	1067		
8	9.88	ATM11H	OPEN		951	259	16.5	15.7	112	30	60	3	7	BT	G	E	I	NO	HR	230	2400cfm	945	945		
9	9.88	MF3OD	OPEN		1051	100	14	7.1	126	30	85	4	8	BT	G	E	I	FC	HR	240	2400cfm	945	945		
10	9.88	MF3OD	OPEN		1162	111	8	13.8	134.5	40	70	4	8	BT	G	F	I	RG	HR	250	2400cfm	945	945		
11	9.88	MF3OD	OPEN		1245	83	11	7.5	145.5	30	90	4	8	RG	G	F	I	FC	HR	260	2400cfm	945	945		
12	9.88	MF3OD	OPEN		1267	22	1.5	22.0	147	20	80	3	3	CT	G	E	I	NO	BHA	310	2400cfm	945	945		
13	8.50	F5OD	OPEN		1340	73	6.5	11.2	153.5	35	75	4	8	BT	G	E	I/16	FC	HR	310	2400cfm	945	945		
14	8.50	F5ODSP	OPEN		1465	125	14	8.9	167.5	35	75	5	7	BT	G	E	I	FC	HR	320	3200cfm	1067	1067		
15	8.50	F5OD	12_12_12	0.331	1530	65	24	2.7	191.5	30	70	6	8	BT	G	E	I/32	FC	HR	1550	265	29	46	88	
16	8.50	F57OD	12_12_12	0.331	1600	70	27	2.6	218.5	38	60	7	8	FC	A	E	I/32	CT	TD	1250	303	29	46	88	

DRILLING PREFORMANCE CURVES

Santos

SANTOS MUD SUMMARY

WELL:	EAST MEREENIE 37	**Latitude:**	24° 00' 31.42" S	**K.B.:**	731m	**Contractor:**	O D & E
Spud Date:	2300 hrs, 27 / 05 / 95	**Longitude:**	131° 36' 14.23" E	**G.L.:**	725m	**Rig No.:**	MJV #1
Release Date:	1800 hrs, 20 / 06 /95	**Pump Type:**	F-800	**T.D.:**	1491 m (TVD) 1600m m (MD)	**Rig:**	OIME SL750

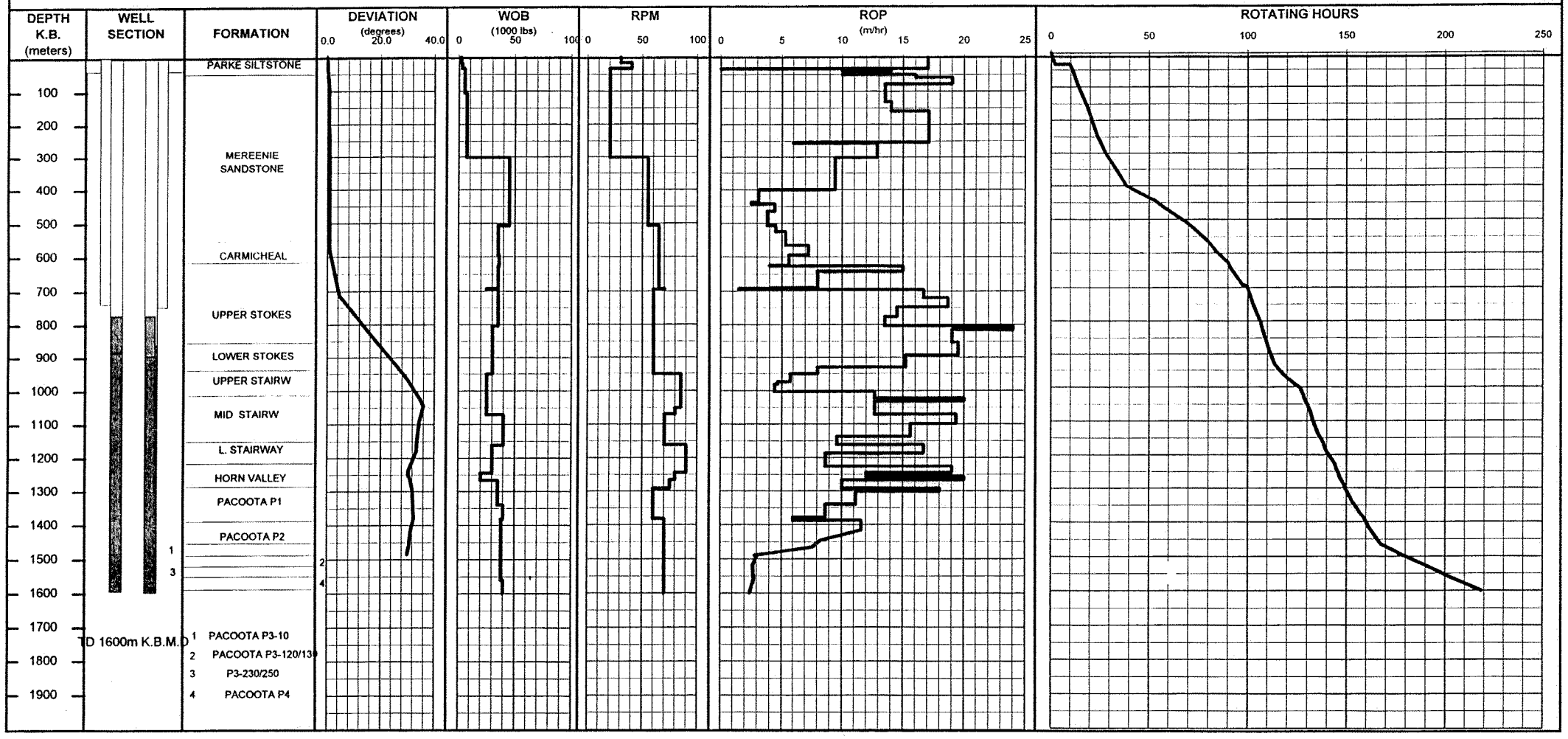


7/10/95

Santos

SANTOS DRILLING PARAMETERS SUMMARY

WELL:	EAST MEREENIE 37	**Latitude:**	24° 00' 31.42" S	**K.B.:**	731m	**Contractor:**	O D&E
Spud Date:	2300 hrs, 27 / 05 / 95	**Longitude:**	131° 36'	**G.L.:**	725m	**Rig No.:**	MJV #1
Release Date:	1800 hrs, 20 / 06 / 95	**Pump Type:**	F-800	**T.D.:**	1491 m (TVD) 1600 m (MD)	**Rig:**	OIME SL 750



7/10/95

BIT SUMMARY

Santos

SANTOS DRILLING BIT SUMMARY

WELL:	EAST MEREENIE 37	**Latitude:**	24° 00' 31.42" S	**K.B.:**	731m	**Contractor:**	O D & E
Spud Date:	2300 hrs, 27 / 05 / 95	**Longitude:**	131° 36' 14.23" E	**G.L.:**	725m	**Rig No.:**	MJV #1
Release Date:	1800 hrs, 20 / 06 /95	**Pump Type:**	F-800	**T.D.:**	1491 m (TVD) 1600m m (MD)	**Rig:**	OIME SL750

BIT DATA								OVERALL BIT PERFORMANCE						BIT PERFORMANCE BY INTERVAL							DRILLING PARAMETERS					MUD			DULL CONDITION							
TRIP	BIT				IADC	SERIAL		DEPTH				CUM			DEPTH				CUM											CUT. STRUCT.							
No.	No.	SIZE	MAKE	TYPE	CODE	No.	JETS	IN	OUT	ETER	HRS	HRS	ROP	FORMATION	IN	OUT	METERS	HRS	HRS	ROP	WOB	RPM	DEV	PSI	GPM	WT	YP	PV	I	O	DC	LOC	B/S	G	ODC	POH
1	1	9.88	SMITH	IMPAX				0	34	34	2.0	2.0	17.0	PARKE SILTSTONE	0	34	34	2.0	2.0	17.0	1	20	0	200	2400cfm						10 % WEAR ON BIT					
2	2	17.50		H/O		26723	PORTS	0	34	34	7.5	9.5	4.5	MEREENIE SANDSTONE	0	34	34	7.5	9.5	4.5	1	20	0	200	3200cfm						10 % WEAR ON BIT					
3	3	13.56	SMITH	IMPAX		KJ 6405	PORTS	34	302	268	17.0	26.5	15.8	MEREENIE SANDSTONE	34	302	268	17.0	26.5	15.8	7	20	1	240	3200cfm						75 % WEAR ON BIT					
4	4	13.50	HUGHES	ATJ55	6.3.7	B74PX	OPEN	302	443	141	24.5	51.0	5.8	MEREENIE SANDSTONE	302	443	141	24.5	51.0	5.8	45	55	0.75	240	3200cfm				5	7	FC	M	E	I/16	BT	HR
5	5	13.50	HUGHES	ATJ 55	6.3.7	B79PX	OPEN	443	507	64	16.0	67.0	4.0	MEREENIE SANDSTONE	443	507	64	16.0	67.0	4.0	45	55	0.75	240	3200cfm				7	8	BT	A	F	I/8	LC	HR
6	6	13.50	HUGHES	ATJ55	6.3.7	K23PX	OPEN	507	625	118	21.0	88.0	5.6	MEREENIE SANDSTONE	507	541	34	7.0	74.0	4.9	35	65	1	300	3200cfm				3	4	BT	G	E	I/16	LC	HR
														CARMICHEAL	541	614	73	12.0	86.0	6.1	35	65	1	300	3200cfm				3	4	BT	G	E	I/16	LC	HR
														UPPER STOKES	614	625	11	2.0	88.0	5.5																
7	7	13.50	HUGHES	ATM IIH	4.3.7	K21PX	OPEN	625	692	67	8.0	96.0	8.4	UPPER STOKES	625	692	67	8.0	96.0	8.4	35	65	2.25	300	3200cfm				4	6	BT	M	E	I	NO	HR
8	8	9.88	HUGHES	ATM11H	4.3.7	L89PB	OPEN	692	951	259	16.5	112.5	15.7	UPPER STOKES	692	857	165	8.0	104.0	20.6	30	60	25.2	230	2400cfm				3	7	BT	G	E	I	NO	HR
														LOWER STOKES	857	934	77	4.5	108.5	17.1	40	88	26	240	2400cfm											
														UPPER STAIWAY	934	951	17	4.0	112.5	4.3																
9	9	9.88	SMITH	MF30D	5.3.7	LD0117	OPEN	951	1051	100	14.0	126.5	7.1	MIDDLE STAIRWAY	951	999	48	6.5	119.0	7.4	30	85	35.8	240	2400cfm				4	8	BT	G	E	I	FC	HR
														MIDDLE STAIRWAY	999	1051	52	7.5	126.5	6.9																
10	10	9.88	SMITH	MF30D	5.3.7	LD0119	OPEN	1051	1162	111	8.0	134.5	13.9	MIDDLE STAIRWAY	1051	1115	64	4.0	130.5	16.0	40	70	33.6	250	2400cfm				4	8	BT	G	F	I	RG	HR
														LOWER STAIRWAY	1115	1162	47	4.0	134.5	11.8																
11	10	9.88	SMITH	MF30D	5.3.7	LD0122	OPEN	1162	1245	83	11.0	145.5	7.5	LOWER STAIRWAY	1162	1203	41	4.5	139.0	9.1	30	00	30.5	260	2400cfm				4	8	RG	G	E	I	FC	LOG
														HORN VALLEY	1203	1245	42	6.5	145.5	6.5																
12	12	9.88	SMITH	MF30D	5.3.7	LD0120	OPEN	1245	1267	22	1.5	147.0	14.7	HORN VALLEY	1245	1267	22	1.5	147.0	14.7	20	80	31	260	2400				3	3	CT	G	E	I	NO	BHA
13	13	8.50	SMITH	F50D	6.2.7	LC8180	OPEN	1267	1340	73	6.5	153.5	11.2	HORN VALLEY	1267	1278	11	1.0	148.0	11.0	35	75	31	310	2400cfm				4	8	BT	G	E	I/16	FC	HR
														PACOOTA P1	1278	1340	62	5.5	153.5	11.3																
14	14	8.50	SMITH	F50D S	6.2.7	LC4352	OPEN	1340	1465	125	14.0	167.5	8.9	PACOOTA - P1	1340	1391	51	6.0	159.5	8.5	35	75	30.7	320	3200cfm				5	7	BT	G	E	I	FC	HR
														PACOOTA - P2	1391	1462	71	7.5	167.0	9.5																
														PACOOTA P3-10	1462	1465	3	0.5	167.5	6.0																
15	15	8.50	SMITH	F50D	6.2.7	LC8178	12/12/12	1465	1530	65	24.0	191.5	2.7	PACOOTA P3 120/130	1465	1514	49	18.0	185.5	2.7	38	70	28.8	1550	265	8.8	20.0	18.0	6	8	BT	G	E	I/32	FC	HR
														PACOOTA P3 -150	1514	1525	11	4.0	189.5	2.8																
														PACOOTA P3 -190	1525	1530	11	2.0	191.5	5.5																
16	16	8.50	SMITH	F50D	6.2.7	LC8195	12/12/12	1530	1600	70	27.0	218.5	2.6	PACOOTA P3 -190	1530	1536	6	2.0	193.5	3.0	38	60	27.5	1250	303	8.9	18.0	14.0	7	8	FC	A	E	I/32	CT	TD
														PACOOTA P3 - 230 / 250	1536	1551	15	5.5	199.0	2.6																
														PACOOTA P4	1551	1600	50	19.5	218.5	2.5																

CASING AND CEMENTING REPORT

Santos

SANTOS CASING AND CEMENTING REPORT

WELL: East Mereenie 37 **DATE:** 06/06/95

ELEVATIONS: **KB:** 731.1 **T.D:** 692
GL: 725 **PBTD:** 680.22

CASING BOWL SIZE: 13 5/8" 3000 **SERIES:** 3000
STRING TYPE: 10 3/4" Surface

CASING AND EQUIPMENT RECORD AS RUN FROM BOTTOM TO TOP

SIZE OD.	WEIGHT lb/ft	GRADE	No. of JOINTS	THREAD	LENGTH	FROM	TO	REMARKS
10.75	40.5	H40	float shoe	8 round	0.40	690.38	690.78	
10.75	40.5	H40	1	8 round	9.90	680.48	690.38	
10.75	40.5	H40	float collar	8 round	0.26	680.22	680.48	
10.75	40.5	H40	59	8 round	673.30	6.92	680.22	
10.75	40.5	H40	landing jnt	8 round	7.96	-1.04	6.92	1.44 stick up from R/Table
				TALLY TOTAL	691.82			

CASING LANDED AT :- **690.78 m**

KB TO TOP OF BRADEN HEAD :- **6.12 m**

CENTRALIZERS LOCATED AT - KB.						SCRATCHERS LOCATED AT - KB.
686	657	634	611	600	589	

PREFLUSH

Volume: 10 **Density:** 8.3 **Additives:** nil

CEMENT

Brand: Adelaide **Class:** A **No. sx:** 306
Mixwater: 37.9 **Excess:** 0% **Density:** 15.6 ppg

Additives	%	Amount Used
nil	0	0

DISPLACEMENT

Fluid: water **Calc. Displacement:** 219.4 **Plug Bump:** FDP + 500 psi

Density: 8.3 ppg **Actual Displacement:** 224 **Bleed Back:** 1.5 bbls

TIME:-

STARTED IN HOLE:	16:00 HR.
FINISHED RUNNING CASING:	22:00 HR.
START CIRCULATING:	22:24 HR.
STOP CIRCULATING:	22:50 HR.
START CEMENTING:	23:16 HR.
FINISH CEMENTING:	23:28 HR.
START DISPLACEMENT:	23:32 HR.
FINISH DISPLACEMENT:	24:00 HR.

CASING RECIPROCATED DURING

CEMENTING: no
DISPLACING: no

WIPER PLUGS

TOP: yes
BOTTOM: no

CEMENT JOB DETAILS/REMARKS:-

Pump 8 bbls water; test surface lines to 2,500 psi; pump 2 bbls water.

Mix & pump 306 sx class A; 37.9 bbls mix water => 64.3 bbls slurry; release top plug.

Displace with 219.4 bbls water; bump plug to 410 psi (FDP) + 500 psi; bleed pressure; float held.

Conduct top up cementing operation. Calculated cement requirement 26 sx. Used 56 sx.

Basket held.

Drilling Supervisor: B Griinke

Drilling Engineer A (Siv) Sivalingam

Santos

SANTOS CASING AND CEMENTING REPORT

WELL: East Mereenie 37 **DATE:** 21 June, 95

ELEVATIONS: **KB:** 731.1 **T.D:** 1600
GL: 725 **PBTD:** 1579.46

CASING BOWL SIZE: 13 5/8" 3000 **SERIES:** 3000 #
STRING TYPE: 5 1/2" Production

CASING AND EQUIPMENT RECORD AS RUN FROM BOTTOM TO TOP

SIZE OD.	WEIGHT lb/ft	GRADE	No. of JOINTS	THREAD	LENGTH	FROM	TO	REMARKS
5.5	17	L80	Float shoe	8 round	0.39	1592.70	1592.31	
5.5	17	L80	1	8 round	11.97	1592.31	1580.34	
5.5	17	L80	Float collar	8 round	0.38	1580.34	1579.96	
5.5	17	L80	132	8 round	1580.96	1579.96	-1.00	Stick 1 m RKB
				TALLY TOTAL	1593.70			

CASING LANDED AT :- **1592.70 m**

KB TO TOP OF BRADEN HEAD :- **6.12 m**

CENTRALIZERS LOCATED AT - KB.						CENTRALISERS LOCATED AT - KB.							
1586	1580	1568	1556	1544	1532	1281		1257		1233			
1520	1508	1496	1485	1472	1449	1210	1186	1162	1138	1114	1090		
1425	1401	1377	1353	1329	1305	1066	1042	1018	994	970	946	922	

PREFLUSH

Volume: 20 **Density:** 8.5 **Additives:** Sapp @ 5 kgs/ bbl

CEMENT

Brand: AB **Class:** G **No. sx:** 700
Mixwater: 83.3 **Excess:** 0% **Density:** 15.8 ppg

Additives	%	Amount Used
Halad 322	1	20 sx in mix water

DISPLACEMENT

Fluid: water **Calc. Displacement:** 120.5 **Plug Bump:** 1700 psi

Density: 8.3 ppg **Actual Displacement:** 120.5 **Bleed Back:** 1 bbl

TIME:-

STARTED IN HOLE:	0000 HR.
FINISHED RUNNING CASING:	0830 HR.
START CIRCULATING:	0850 HR.
STOP CIRCULATING:	0954 HR.
START CEMENTING:	1021 HR.
FINISH CEMENTING:	1052 HR.
START DISPLACEMENT:	1057 HR.
FINISH DISPLACEMENT:	1115 HR.

CASING RECIPROCATED DURING

CEMENTING: yes
DISPLACING: no

WIPER PLUGS

TOP: yes
BOTTOM: yes

CEMENT JOB DETAILS/REMARKS:-

Pump 15 bbls of Sapp preflush
Test surface lines to 2500 psi
Pump 5 bbls of Sapp preflush
Cement with 700 sx of class G with 1% Halad 322
Displace with 120.5 bbls of water and bump the plug to 1700 psi. Refer to HOWCO chart.
Job went well

Conduct safety meeting

Drilling Supervisor: B Griinke
Drilling Engineer :

TALLY SHEETS

Santos

PIPE TALLY SHEET

WELL:-	East Mereenie 37	LOCATION:-	NT
SIZE:-	10 3/4"	COUPLING:-	ST&C
WT:-	40.5 #	THREAD:-	8 round
GRADE:-	H40	DATE:-	06/06/95
JOINTS ON LOCATION:-	74	TYPE:-	SURFACE

FEET ☐ METRES ☒

JOINT	C	S	LENGTH	JOINT	C	S	LENGTH	JOINT	C	S	LENGTH	JOINT	C	S	LENGTH
1	1		9.90	31			12.09	61				81			
2			11.26	32			11.88	62				82			
3	1		11.07	33			12.09	63				83			
4			12.00	34			12.10	64				84			
5	1		11.83	35			12.13	65				85			
6			11.60	36			12.05	66				86			
7	1		11.54	37			11.85	67				87			
8	1		10.68	38			11.77	68				88			
9	1		11.63	39			12.10	69				89			
10			11.83	40			11.82	70				90			
A:			113.34	D:			119.88	G:				I:			
TOTAL			113.34	TOTAL			467.38	TOTAL			683.20	TOTAL			683.20

JOINT	C	S	LENGTH	JOINT	C	S	LENGTH	JOINT	C	S	LENGTH	JOINT	C	S	LENGTH
11			11.42	41			12.10	71				91			
12			11.53	42			12.03	72				92			
13			11.82	43			12.00	73				93			
14			11.82	44			11.83	74				94			
15			11.83	45			12.10	75				95			
16			11.80	46			11.96	76				96			
17			11.51	47			12.10	77				97			
18			11.82	48			11.79	78				98			
19			11.53	49			11.95	79				99			
20			11.82	50			12.10	80				100			
B:			116.90	E:			119.96	H:				J:			
TOTAL			230.24	TOTAL			587.34	TOTAL			683.20	TOTAL			683.20

JOINT	C	S	LENGTH	JOINT	C	S	LENGTH
21			11.83	51			12.10
22			11.82	52			11.63
23			11.54	53			12.10
24			11.82	54			11.99
25			11.51	55			11.78
26			11.52	56			12.10
27			11.50	57			12.07
28			12.09	58			12.09
29			11.50	59			
30			12.13	60			
C:			117.26	F:			95.86
TOTAL			347.50	TOTAL			683.20

	JOINTS	LENGTH
PAGE TOTAL (A to J)		683.20
BROUGHT FORWARD		
GRAND TOTAL		683.20

Co Rep: B Griinke

REMARKS:

Float Shoe =	0.40 m	
Float Collar =	0.26 m	
Landing Jt =	7.96 m	
58 Jts of casing =	683.20 m	
Total =	691.82 m	
Ldg Jt up =	1.44 m	from top of table
10 3/4" Casing Shoe =	690.78 m	
Bradenhead =	0.80 m	
RKB - Bradenhead =	6.12 m	

Santos

PIPE TALLY SHEET

WELL:-	East Mereenie 37	LOCATION:-	NT
SIZE:-	5 1/2"	COUPLING:-	LT&C
WT:-	17	THREAD:-	8r
GRADE:-	L80	DATE:-	20/05/995
JOINTS ON LOCATION:-	181	TYPE:-	PRODUCTION

FEET ☐ METRES ☒

JOINT	C	S	LENGTH	JOINT	C	S		JOINT	C	S	LENGTH	JOINT	C	S	LENGTH
1			11.97	31			12.07	61			11.96	81			12.07
2			12.07	32			11.79	62			12.07	82			11.76
3			12.07	33			12.07	63			12.07	83			11.99
4			11.76	34			11.80	64			11.93	84			11.97
5			12.07	35			12.07	65			12.07	85			11.95
6			12.07	36			12.07	66			12.07	86			11.93
7			11.95	37			12.07	67			11.04	87			12.07
8			12.07	38			12.07	68			11.92	88			11.96
9			11.87	39			11.88	69			12.07	89			11.92
10			11.98	40			12.07	70			12.07	90			12.07
A:			119.88	D:			119.96	G:			119.27	I:			119.69
TOTAL			119.88	TOTAL			479.44	TOTAL			838.47	TOTAL			1078.13
JOINT	C	S	LENGTH	JOINT	C	S	LENGTH	JOINT	C	S	LENGTH	JOINT	C	S	LENGTH
11			11.74	41			12.07	71			12.07	91			12.07
12			12.09	42			11.70	72			11.78	92			12.07
13			12.07	43			11.69	73			11.99	93			12.07
14			12.07	44			11.91	74			12.07	94			12.07
15			12.07	45			12.02	75			11.87	95			11.92
16			11.92	46			12.07	76			11.90	96			11.81
17			12.07	47			11.89	77			12.07	97			12.07
18			11.38	48			12.07	78			12.07	98			12.08
19			12.07	49			11.98	79			12.07	99			11.87
20			12.07	50			12.07	80			12.08	100			12.07
B:			119.55	E:			119.47	H:			119.97	J:			120.10
TOTAL			239.43	TOTAL			598.91	TOTAL			958.44	TOTAL			1198.23
JOINT	C	S	LENGTH	JOINT	C	S	LENGTH								
21			11.96	51			12.07								
22			12.07	52			12.07								
23			12.07	53			12.02								
24			12.07	54			12.02								
25			11.90	55			11.99								
26			12.07	56			12.07								
27			11.95	57			12.02								
28			11.82	58			12.00								
29			12.07	59			11.96								
30			12.07	60			12.07								
C:			120.05	F:			120.29								
TOTAL			359.48	TOTAL			719.20								

	JOINTS	LENGTH
PAGE TOTAL (A to J)	100	1198.23
BROUGHT FORWARD	33	394.76
GRAND TOTAL	133	1592.99

ENGINEER: X

REMARKS:

Float Shoe =	0.39	m
Float Collar =	0.38	m
Marker Joint =		
Casing Length =	1592.99	m
Total Length =	1593.76	
Landing Jnt up =	1	
5.5 " Casing TD =	1592.76	m

Santos

PIPE TALLY SHEET

WELL:-	East Mereenie 37	LOCATION:-	NT
SIZE:-	5 1/2"	COUPLING:-	LT&C
WT:-	17	THREAD:-	8r
GRADE:-	L80	DATE:-	20/05/995
JOINTS ON LOCATION:-	181	TYPE:-	PRODUCTION

FEET ☐ METRES ☒

JOINT	C	S	LENGTH	JOINT	C	S	LENGTH	JOINT	C	S	LENGTH	JOINT	C	S	LENGTH
1			11.80	31			12.02	61				81			
2			12.07	32			12.07	62				82			
3			12.07	33			12.07	63				83			
4			12.07	34			12.06	64				84			
5			11.74	35			12.07	65				85			
6			11.90	36			12.07	66				86			
7			11.92	37			11.90	67				87			
8			12.07	38			12.06	68				88			
9			12.08	39			12.07	69				89			
10			12.07	40			12.07	70				90			
A:			119.79	D:			120.46	G:				I:			
TOTAL			119.79	TOTAL			479.16	TOTAL			719.11	TOTAL			719.11
JOINT	C	S	LENGTH	JOINT	C	S	LENGTH	JOINT	C	S	LENGTH	JOINT	C	S	LENGTH
11			11.88	41			12.07	71				91			
12			11.77	42			12.06	72				92			
13			12.07	43			11.87	73				93			
14			11.92	44			11.86	74				94			
15			11.76	45			11.88	75				95			
16			11.77	46			12.07	76				96			
17			11.80	47			12.07	77				97	-		
18			12.08	48			12.07	78				98			
19			11.59	49			12.07	79				99			
20			12.05	50			11.87	80				100			
B:			118.69	E:			119.89	H:				J:			
TOTAL			238.48	TOTAL			599.05	TOTAL			719.11	TOTAL			719.11
JOINT	C	S	LENGTH	JOINT	C	S	LENGTH								
21			11.97	51			12.07								
22			12.07	52			11.92								
23			12.07	53			12.05								
24			12.07	54			12.07								
25			11.90	55			11.77								
26			12.07	56			12.07								
27			12.07	57			11.91								
28			12.07	58			12.06								
29			11.96	59			12.07								
30			11.97	60			12.07								
C:			120.22	F:			120.06								
TOTAL			358.70	TOTAL			719.11								

	JOINTS	LENGTH
PAGE TOTAL (A to J)	33	394.76
BROUGHT FORWARD	100	1198.23
GRAND TOTAL	133	1592.99

Co Rep: B Griinke

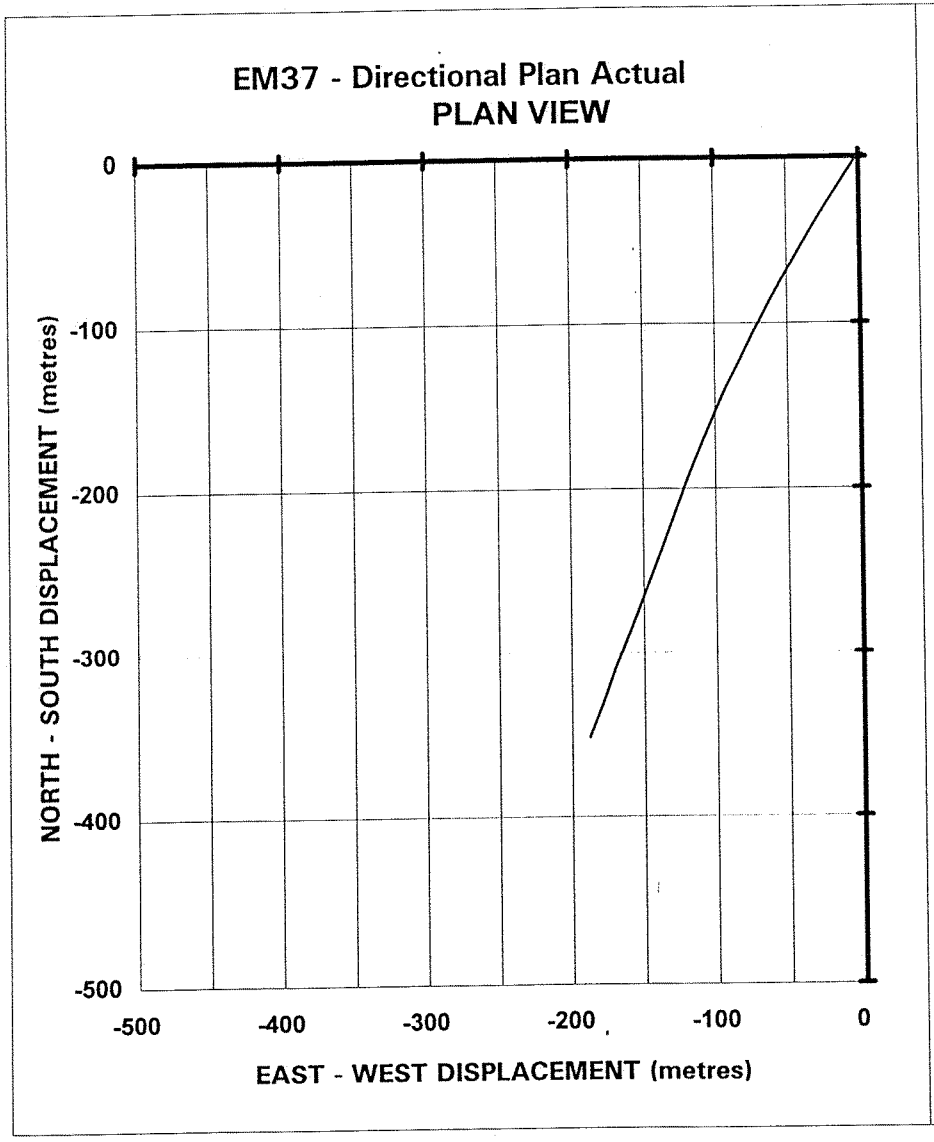
Remarks:

DIRECTIONAL DATA

DIRECTIONAL CALCULATIONS - RADIUS OF CURVATURE METHOD

WELL NAME:- EM37 - Directional Plan Actual

MEASURED DEPTH Metres	HOLE ANGLE DEGREES	AZIMUTH			AZIMUTH DEG N=0, E=90 S=180, W=270	DISPLACEMENT NORTH/SOUTH Metres	DISPLACEMENT EAST/WEST Metres	TVD Metres	DOGLEG SEVERITY deg/30m	VERTICAL SECTION Metres
0.0	0.00	N	0	E	0.0	0	0	0.0	0.00	0.0
42.5	0.20	N	60.5	E	60.5	0	0.0	42.5	0.00	0.1
70.9	0.50	N	14	E	14.0	0	0.1	70.9	0.41	0.2
98.2	0.70	N	47	E	47.0	0	0.3	98.2	0.43	0.5
125.7	0.50	N	65	E	65.0	1	0.5	125.6	0.30	0.8
153.8	0.50	N	114	E	114.0	1	0.8	153.8	0.44	1.0
181.4	0.50	S	81	E	99.0	1	1.0	181.3	0.14	1.1
208.9	0.60	N	90	E	90.0	1	1.2	208.9	0.14	1.4
236.6	0.80	S	81	E	99.0	0	1.6	236.6	0.25	1.7
264.3	0.80	S	86	E	94.0	0	2.0	264.2	0.08	2.0
292.6	0.90	S	86	E	94.0	0	2.4	292.6	0.11	2.4
321.5	0.60	N	84	E	84.0	0	2.8	321.4	0.34	2.8
350.3	0.70	N	85	E	85.0	0	3.1	350.3	0.10	3.1
379.2	0.70	N	30	E	30.0	1	3.4	379.2	0.67	3.4
408.0	0.80	N	19	E	19.0	1	3.5	408.0	0.18	3.7
436.9	0.60	N	9	W	351.0	1	3.5	436.9	0.41	3.7
465.8	0.50	N	35	W	325.0	1	3.4	465.7	0.28	3.6
494.6	0.70	N	46	W	314.0	1	3.2	494.6	0.24	3.5
523.5	0.80	N	71	W	289.0	2	2.9	523.4	0.35	3.3
552.4	0.80	N	87	W	273.0	2	2.5	552.3	0.23	3.0
581.2	1.00	S	79	W	259.0	2	2.1	581.1	0.31	2.7
610.0	1.40	S	69	W	249.0	2	1.5	610.0	0.47	2.1
638.9	1.90	S	66	W	246.0	1	0.7	638.8	0.53	1.4
667.8	2.20	S	48	W	228.0	1	-0.1	667.7	0.73	0.6
685.5	2.60	S	50	W	230.0	0	-0.7	685.4	0.69	0.7
712.6	4.50	S	48.5	W	228.5	-1	-2.0	712.5	2.11	2.2
731.9	6.40	S	35	W	215.0	-2	-3.2	731.7	3.54	3.9
770.5	10.25	S	39	W	219.0	-7	-6.5	769.8	3.03	9.4
809.0	14.20	S	36.5	W	216.5	-13	-11.5	807.4	3.11	17.5
847.5	18.00	S	36.5	W	216.5	-22	-17.9	844.5	2.96	28.2
886.0	22.00	S	35	W	215.0	-32	-25.6	880.6	3.14	41.4
924.5	25.20	S	34	W	214.0	-45	-34.3	915.9	2.51	56.8
967.0	30.00	S	34	W	214.0	-62	-45.3	953.6	3.39	76.4
995.9	33.30	S	34	W	214.0	-74	-53.8	978.1	3.43	91.5
1024.7	34.70	S	31.5	W	211.5	-88	-62.5	1002.1	2.06	107.7
1044.0	35.90	S	28	W	208.0	-97	-68.0	1017.7	3.67	118.7
1063.2	35.40	S	30	W	210.0	-107	-73.8	1033.5	0.87	129.7
1092.1	34.40	S	29.5	W	209.5	-121	-82.0	1057.3	1.08	146.2
1130.7	34.30	S	29	W	209.0	-140	-92.6	1089.1	0.23	167.8
1149.9	33.60	S	26	W	206.0	-149	-97.6	1105.0	2.83	178.5
1180.2	33.40	S	27.5	W	207.5	-164	-105.1	1130.3	0.84	195.2
1237.9	30.50	S	23.5	W	203.5	-192	-118.3	1179.3	1.87	225.5
1251.6	30.30	S	23	W	203.0	-198	-121.0	1191.1	0.71	232.4
1261.2	31.00	S	21.5	W	201.5	-203	-122.9	1199.3	3.24	237.2
1294.5	32.00	S	24	W	204.0	-219	-129.6	1227.8	1.48	254.4
1333.0	32.00	S	23.5	W	203.5	-238	-137.8	1260.4	0.21	274.7
1381.3	32.50	S	23.5	W	203.5	-261	-148.1	1301.2	0.31	300.3
1410.2	31.50	S	24	W	204.0	-275	-154.3	1325.7	1.07	315.5
1439.0	31.00	S	24.5	W	204.5	-289	-160.4	1350.4	0.59	330.4
1458.3	30.70	S	24.5	W	204.5	-298	-164.5	1366.9	0.47	340.3
1484.6	30.00	S	24	W	204.0	-310	-170.0	1389.7	0.85	353.5
1523.1	28.80	S	20.5	W	200.5	-327	-177.1	1423.2	1.63	372.3
1580.9	27.50	S	27.5	W	207.5	-352	-188.2	1474.1	1.84	399.5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PLAN VIEW
NORTH - SOUTH DISPLACEMENT (metres)
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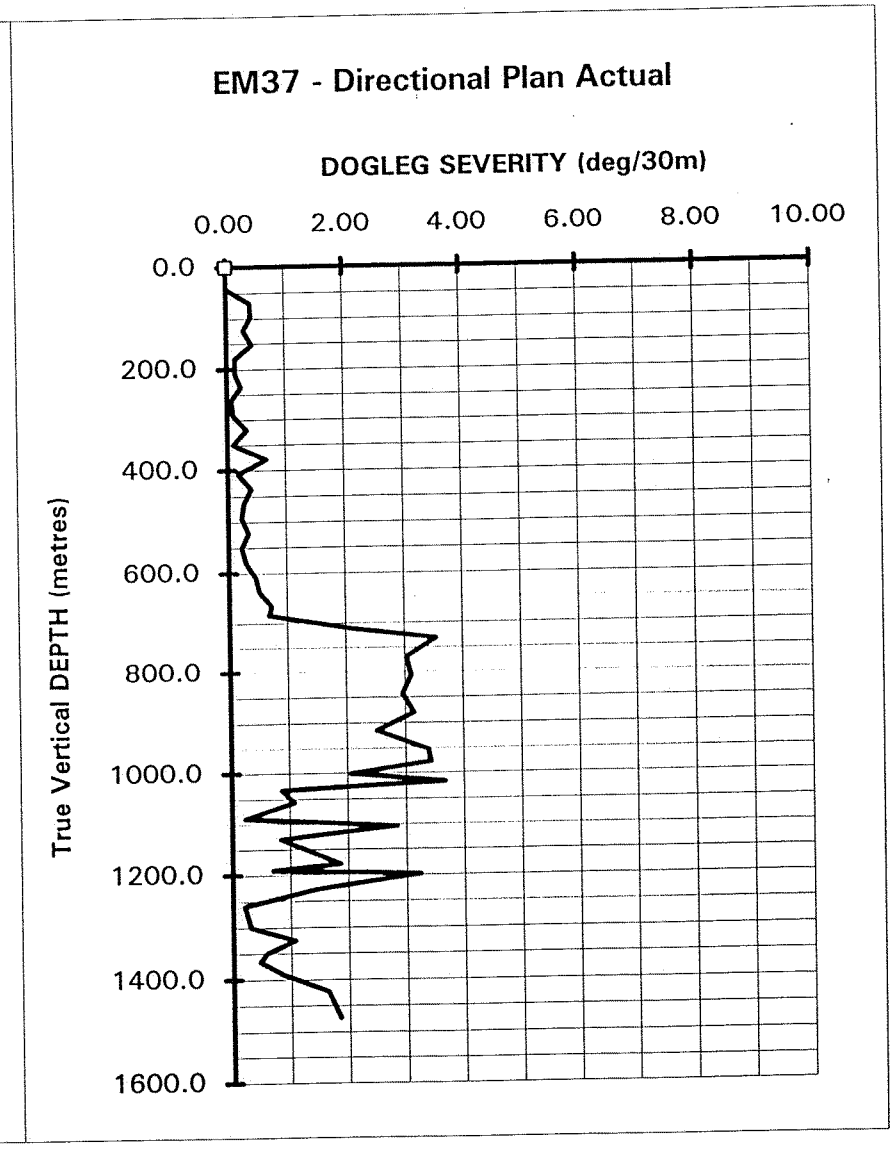
-100
-200
-300
-400
-500
-500
-400
-300
-200
-100
0
EAST - WEST DISPLACEMENT (metres)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DOGLEG SEVERITY (deg/30m)
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2.00
4.00
6.00
8.00
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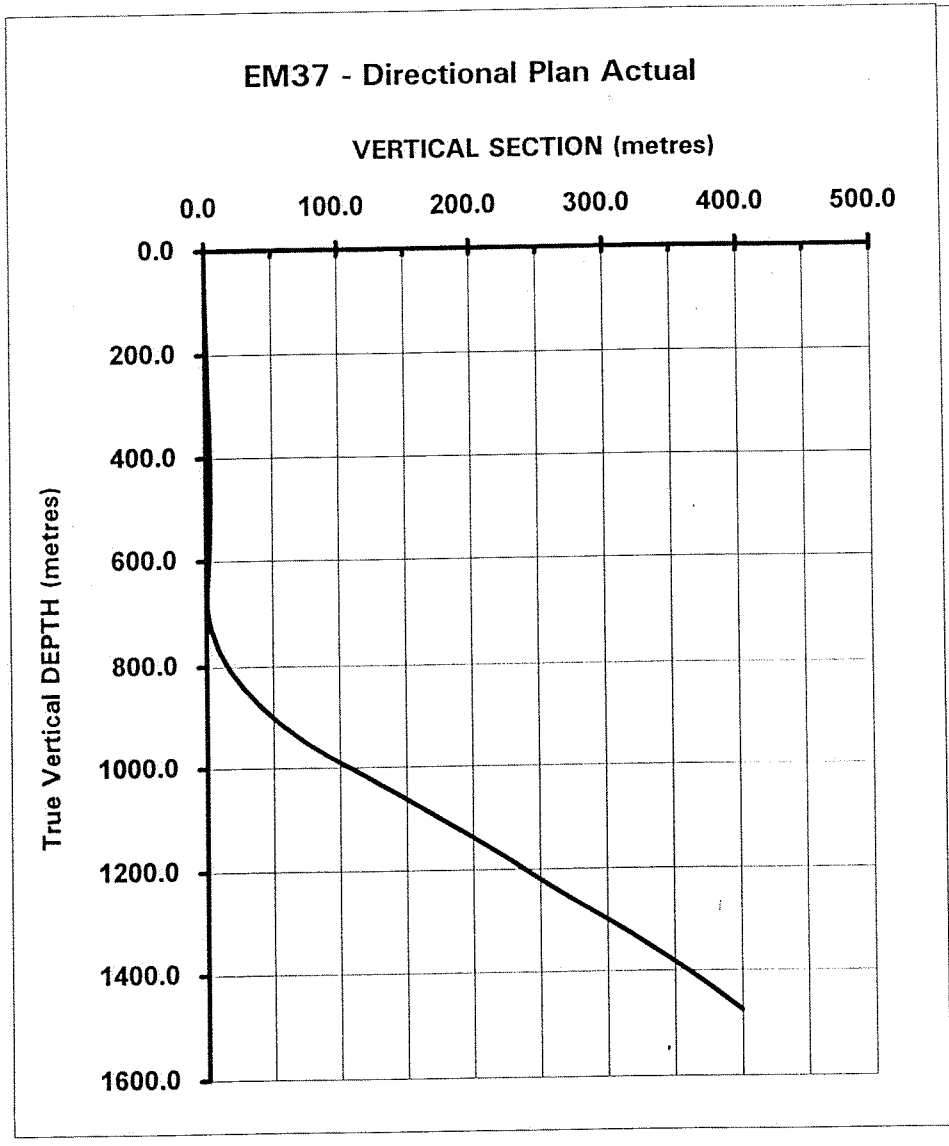
600.0
800.0
1000.0
1200.0
1400.0
1600.0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VERTICAL SECTION (metres)
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200.0
300.0
400.0
500.0
True Vertical DEPTH (metres)
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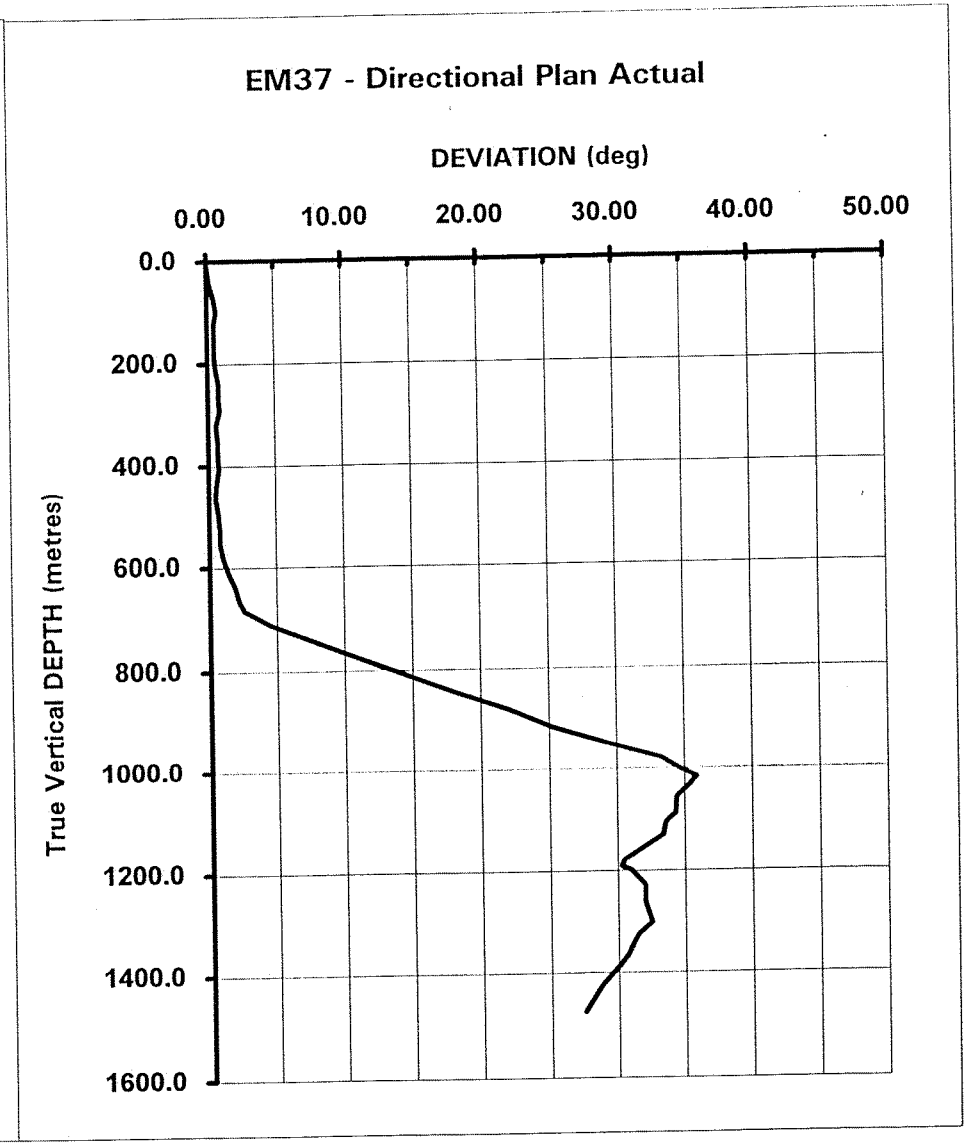
200.0
400.0
600.0
800.0
1000.0
1200.0
1400.0
1600.0


EM37 - Directional Plan Actual
DEVIATION (deg)
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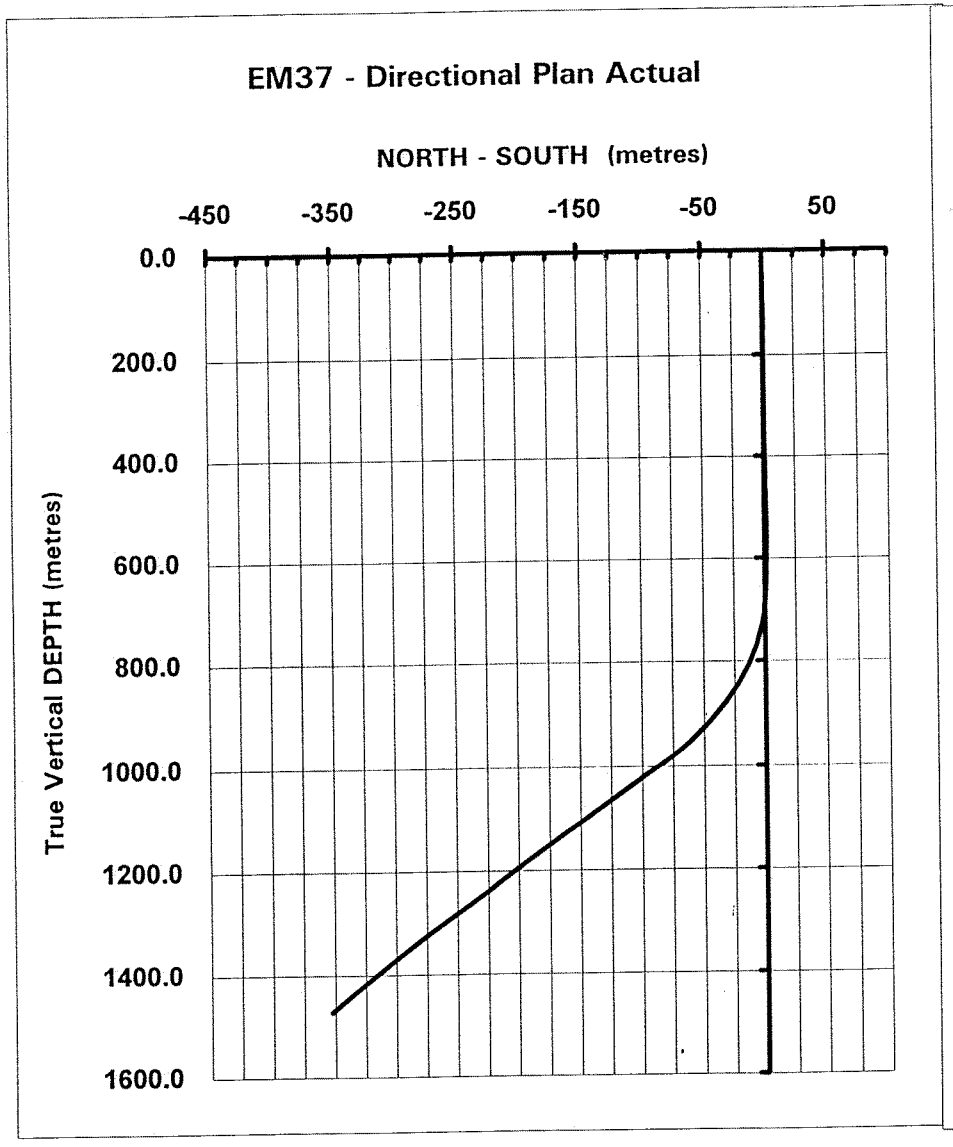
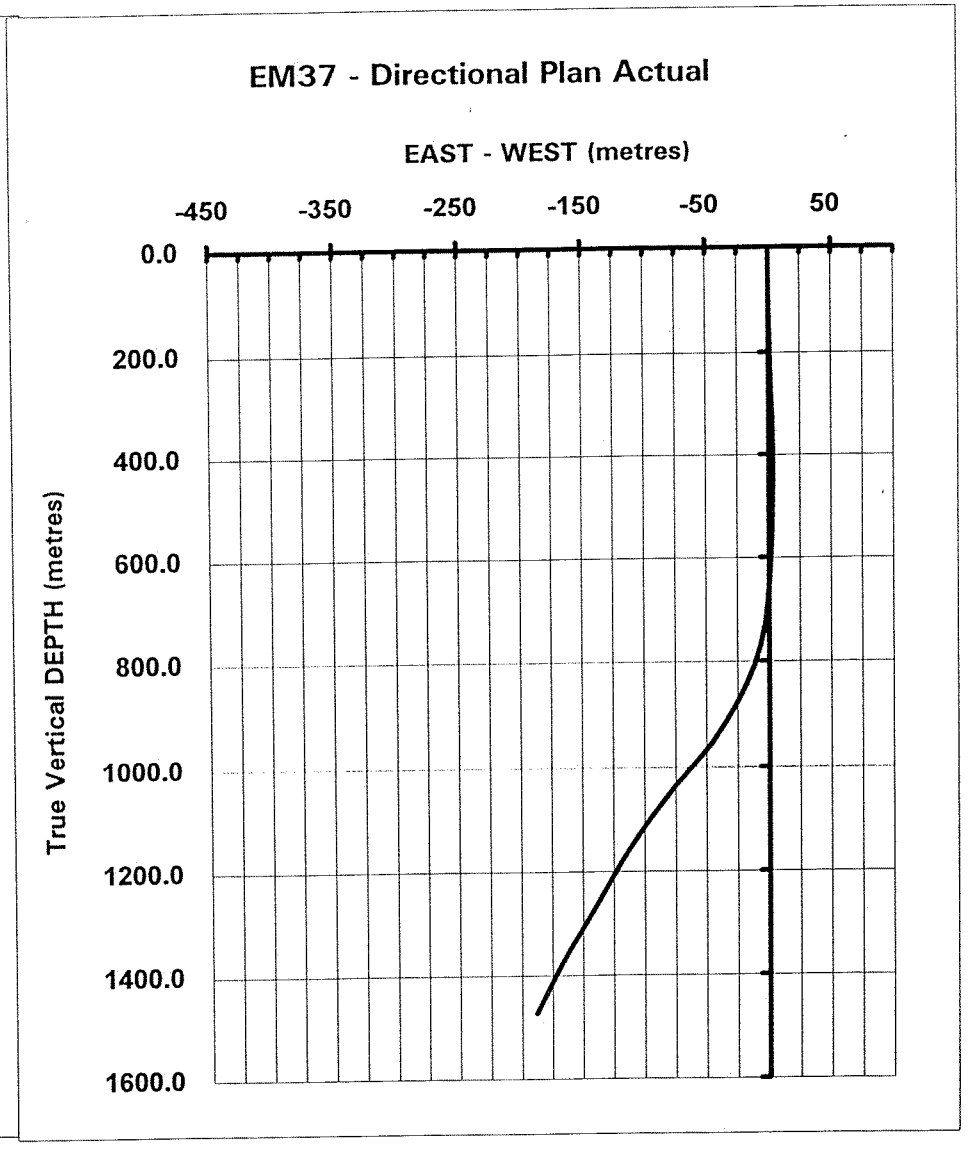
10.00
20.00
30.00
40.00
50.00
True Vertical DEPTH (metres)
0.0
200.0
400.0
600.0
800.0
1000.0
1200.0
1400.0
1600.0


EM37 - Directional Plan Actual
NORTH - SOUTH (metres)
-450
-350
-250
-150
-50
50
0.0
200.0
400.0
600.0
800.0
1000.0
1200.0
1400.0
1600.0
True Vertical DEPTH (metres)


EM37 - Directional Plan Actual
EAST - WEST (metres)
-450
-350
-250
-150
-50
50
0.0
200.0
400.0
600.0
800.0
1000.0
1200.0
1400.0
1600.0
True Vertical DEPTH (metres)

EQUIPMENT AND MATERIALS RECONCILIATION

Santos

EQUIPMENT AND MATERIAL RECONCILIATION

WELL NAME: EAST MEREENIE 37

JOB STARTED BY:- B. GRIINKE
DATE:- 27/05/95

JOB FINISHED BY:- B. GRIINKE
DATE:- 20/06/95

A: TUBULAR EQUIPMENT

DESCRIPTION					RECEIVED			INSTALLED		UNUSED		REMARKS
ITEM	SIZE	WT.	GRADE	THRD	JTS	MTRS	SOURCE	JTS	MTRS	JTS	MTRS	
CASING	10-3/4"	40.5lb/ft	H-40	8 RND			MEREENIE STOCK	60	683.2			
CASING	5-1/2"	17 lb/ft	L-80	8 RND			MEREENIE STOCK	133	1592.9			
CONDUCTOR	16"			WELD			MEREENIE STOCK	3	23.5			

B: NON -TUBULAR EQUIPMENT AND MATERIALS

DESCRIPTION (Type, Make, Size etc)	RECEIVED		INSTALLED	UNUSED	REMARKS
	QUANTITY	SOURCE	QUANTITY	QUANTITY	
10-3/4" FLOAT SHOE	1	HOWCO	1	0	
10-3/4" FLOAT COLLAR	1	HOWCO	1	0	
10-3/4" CENTRALISERS	6	HOWCO	6	0	
10-3/4" STOP RING	2	HOWCO	2	0	
10-3/4" CEMENT BASKET	1	HOWCO	1	0	
CLASS 'A' CEMENT - 10-3/4" JOB	306sx	HOWCO	306 sx	0	
CLASS 'A' TOP UP - 10-3/4" JOB	56sx	HOWCO	56sx	0	
THREAD SEAL	1	MEREENIE STOCK	1	0	
WELD 'A' - 10-3/4"	2	MEREENIE STOCK	2	0	
WELD 'A' - 5-1/2"		MEREENIE STOCK		0	
10-3/4" TOP PLUG	1	HOWCO	1	0	
5-1/2" FLOAT SHOE	1	HOWCO	1	0	
5-1/2" FLOAT COLLAR	1	HOWCO	1	0	
5-1/2" CENTRALISER	34	HOWCO	34	0	
5-1/2" STOP RING	9	HOWCO	9	0	
5-1/2" BOTTOM PLUG	1	HOWCO	1	0	
5-1/2" TOP PLUG	1	HOWCO	1	0	
CLASS 'G' CEMENT - 5-1/2" JOB	700sx	HOWCO	700sx	0	
HALAD 322	20sx	HOWCO	20sx	0	
MFI	220lbs	HOWCO	220lbs	0	
MORFLO	10gals	HOWCO	10gals	0	
13-1/2" HTC ATJ55 #B74PX	1	HUGHES CONC.	1	0	
13-1/2" HTC ATJ55 #B79PX	1	HUGHES CONC.	1	0	
13-1/2" HTC ATJ55 #K23PX	1	HUGHES CONC.	1	0	
13-1/2" HTC ATM11H #K21PX	1	HUGHES CONC.	1	0	
9-7/8" HTC ATM11H #L89PB	1	HUGHES CONC.	1	0	
9-7/8" SMITH MF3OD #LDO117	1	SMITH CONC.	1	0	
9-7/8" SMITH MF3OD #LDO119	1	SMITH CONC.	1	0	
9-7/8" SMITHM F3OD #LDO122	1	SMITH CONC.	1	0	
9-7/8" SMITHM F3OD #LDO120	1	SMITH CONC.	1	0	
8-1/2" SMITH F5OD SP #LC8180	1	SMITH CONC.	1	0	
8-1/2" SMITH F5OD SP#LC4352	1	SMITH CONC.	1	0	
8-1/2" SMITH F57OD #LC8178	1	SMITH CONC.	1	0	
8-1/2" SMITH F5OD #LC8195	1	SMITH CONC.	1	0	
BOWEN OVERSHOT COMPLETE ASSY #C5342	1	OD&E	1	0	
DRESSED WITH 6-1/4" TOOLS					

OPEN HOLE FLOW TEST REPORT

Santos

A.C.N. 007 550 923

OPEN HOLE FLOW TEST REPORT

WELL: EAST MEREENIE 37 **FLOW NO:** 1 **DATE:** 14 / 06 / 95

INTERVAL: 1379 - 691 METRES **FORMATION:** PACOOTA SANDSTONE (P1-280)

TEST TYPE: OPEN HOLE FLOW

CUSHION: NIL **Rmf:** DRILLED WITH AIR/FOAM
Rw:

GEOLOGIST: ALAN BEECH **Tracer:**

FLOWING PERIOD: TIME - PRESSURE RECORD

TIME HRS	MIN	PRESSURES (psi) / REMARKS	TIME	MIN	PRESSURES (psi) / REMARKS
0605	0	Divert to 1/2" choke.			
0606	1	65	0625	20	356
0607	2	96	0630	25	400
0608	3	116	0635	30	437
0609	4	135	0640	35	468
0610	5	155	0645	40	493
0611	6	174	0650	45	510
0612	7	190	0655	50	527
0613	8	206	0700	55	540
0614	9	222	0705	60	550
0615	10	236	0710	65	555
0620	15	302	0715	70	562
			0720	75	566 psi Q = 3.12 MMCFD Shut in for Build - Up

SHUT IN PERIOD: TIME - PRESSURE RECORD

TIME HRS	MIN	PRESSURES (psi) / REMARKS	TIME	MIN	PRESSURES (psi) / REMARKS
0720	**0**	Shut in with 566 psi	0855	86	1156
0725	5	582 psi	0900	100	1163
0730	10	631	0905	105	1167
0735	15	698	0910	110	1172
0740	20	746	0915	115	1176
0745	25	807	0920	120	1180 psi. End Shut-In Period
0750	30	875			
0755	35	925			
0800	40	958			
0805	45	981			
0810	50	1018			
0815	55	1044			
0820	60	1070			
0825	65	1090			
0830	70	1100			
0835	75	1109			
0840	80	1128			
0845	85	1140			
0850	90	1151			

SAMPLE DATA

GAS/CONDENSATE

SAMPLE NO	BOMB NO	TYPE	SOURCE	PRESSURE

OIL/CONDENSATE

FILTRATE

SAMPLE NO	TYPE	SAMPLE	RMF	TRACER	CL (PPM)

WATER

SAMPLE NO	TYPE	RW	REMARKS

REMARKS:

MAXIMUM FLOW RATE = 3.12 MMCFD

DRILLING FLUID RECAP

MOONIE OIL NL (SANTOS)
DRILLING FLUID RECAP
EAST MEREENIE-37
AMADEUS BASIN
QUEENSLAND, AUSTRALIA

Prepared by : Chris Wallace
Date : June 1995

"All information, recommendations and suggestions herein concerning our products are based on tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for their own use of the products described herein."

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9. DAILY MUD REPORTS

WELL SUMMARY

Operator	:	Moonie Oil N. L. (SANTOS)
Well Name	:	East Mereenie 37
Average Angle	:	To 30 degrees at 208 deg N.
Location	:	O.L 5, Amadeus Basin, N.T
Contractor	:	O.D. & E.
Rig	:	Mereenie Rig 1
Rig On Location	:	24th May, 1995
Start Date	:	27th May, 1995 (23:00)
RKB Elevation	:	731.1 m
Total Depth	:	1600 m
Date Reached T.D.	:	18th June, 1995
Total Days Drilling	:	23 Days

Drilling Fluid Type	Interval	Hole Size	Cost (A$)
Air/Mist/Foam	34 - 692 m	13-1/2"	$ 3,735.79
Air/Mist/Foam	714 - 1267 m	9-7/8"	$ 3,392.43
Air/Mist/Foam	1267 - 1465 m	8-1/2"	$ 1,084.62
NaCl/EZ-MUD/Polymer	1465 - 1600 m	8-1/2"	$22,725.75
Mud Materials Charged To Drilling		**TOTAL-**	$ 30,938.59

Engineer On Location From :	8/6/95 To 18/6/95	
Drilling Fluid Engineering :	11 Days @ $ 555/Day	$ 6,105.00
Drilling Fluid Laboratory :	15 Days @ $ 25/Day	$ 375.00
Total Cost Of Drilling Materials & Engineering		$ 37,418.59
Mud Material Not Charged To Drilling		$ 18.24

Casing Program	:	16" Conductor	@ 23.47 m
	:	10-3/4"	@ 690.78 m
	:	5-1/2"	@ 1600.00 m

Drilling Supervisor : Bernie Griinke

Baroid Mud Engineer : Chris Wallace

INTRODUCTION

East Mereenie 37 was spudded on the 27th May 1995 using O.D.& E. Mereenie Rig 1.

Drilling commenced with a 9-7/8" pilot hole that was opened to 17-1/2" with an air hammer bit to the 16" conductor point of 34 m.

After running casing, drilling continued with 13-1/2" hole to 692 m with 2 Air Hammer bits. 40 bbl gel mud was pumped prior to running the 10-3/4" casing.

After drilling out the cement, Air/Mist/Foam and 9-7/8" bits were used to drill to 1245 m where the hole was displaced to 2.3 % NaCl for the logging run. An extra 22 m was then drilled to ensure the correct trajectory.

The 5% NaCl/EZ MUD/Polymer mud was used to drill to the TD of 1600 m without problems. BAROFIBRE was added while drilling the Pacoota P3 120/130 formation to reduce seepage losses.

The mud costs for the well were much lower than programmed. Interval mud costs followed the program closely.

DISCUSSION BY INTERVAL INTERVAL-1

17-1/2" Hole : Surface to 34 m (27 m drilled - 2 Days)
16" Conductor Set at 23.45 m.

Mud System : AIR
A 9-7/8" pilot hole was drilled and then opened to 17-1/2" with an air hammer bit to 34 m. The 16" conductor was cemented in place at 23 m after requiring two reaming runs. The Baroid mud engineer was not on location at this stage of the operations.

13-1/2" Hole : 34 m to 692 m (658 m drilled - 7 Days)
10-3/4" Casing set at 690.72 m.

Mud System : Air/Mist/Foam
This interval was drilled with 5 bits in 86.5 rotating hours. Extensive reaming was required on each trip back down hole. A stiff foam mixture was pumped to try to alleviate the hole problems without great success. The pipe became temporarily stuck at 682 m before pulling free. A 40 bbl Hi-Vis Gel pill was pumped prior to running the casing. The hole was blown clean on surveys while using Air/Mist/Foam at 10 bbl/hr and 2400 cfm. Casing was run without incident.

The Baroid mud engineer was not on location for this stage of the operations. The interval mud cost was $ 3735.79, appreciably lower than the programmed cost of $ 5546.65. This was due to less QUIK FOAM being used and a smaller AQUAGEL pill at casing point.

INTERVAL-2

9-7/8" Hole : 692 m to 1267 m (575 m drilled - 8 Days)
Stokes Siltstone to Horn Valley Siltstone.

Drilling Fluid : Air/Mist/Foam
The 9-7/8" hole section was drilled with air/mist/foam at a mud cost of $ 3392.43 which compares favourably with the programmed cost of $ 4423.41.

After drilling out the cement, a 9-7/8" bit was used with the injection rate of 10 bbl/hr at 2400 cfm. QUIK-FOAM @ 1.9 lpb, BARACOR 1635L, a foam corrosion inhibitor @ 0.3 lpb, and small amounts of caustic soda to maintain pH were the only chemicals used. The hole was blown dry before conducting the surveys. A total of 832 litres of QUIK FOAM was used.

The 2.3% NaCl brine logging pill was pumped to displace the hole. One logging run was successfully completed comprising the FMS-GR-AMS combination.

Appraisal of the logs led to drilling another 22 m to achieve the correct trajectory.

Hole Conditions
Reaming was required to reach bottom after each trip. Reamed sections were from 952-1051 m, 1157 to 1162 m, and 968 to 1245 m. A tight spot occurred at 1258 m when pulling out at 1267 m and 17 m fill was encountered upon reaching bottom again.

INTERVAL-3

8-1/2" Hole : 1267 m to 1465 m (198 m Drilled - 2 Days)
Horn Valley Siltstone to Pacoota P2

Drilling Fluid : Air/Mist/Foam
A DST was performed at 1379 m yielding GTS of 3.1 MMCFD. Drilling then continued to interval TD of 1465 m where the well was shut in and killed with mud.

While drilling, foam was injected at the rate of 30 bbl/hr at a QUIK-FOAM concentration of 1.5 lpb. The well was blown clean on surveys. A total of 410 litres of QUIK FOAM was pumped.

Hole Conditions
Reaming was required from 1270 to 1340 m and from 1431 to 1465 m. The displacement/kill volumes indicated a good gauge hole.

INTERVAL-4

8-1/2" Hole : 1465 m to 1600 m (135 m Drilled - 4 Days)
Pacoota P2 to TD

Drilling Fluid : 5% NaCl / EZ MUD/Polymer
Pre-hydrated AQUAGEL was mixed in the pits and then the polymers were added to make a total of 798 bbl.

The Initial formulation was:

Soda Ash	:	0.2 ppb
Caustic Soda	:	0.1 ppb
AQUAGEL	:	8.0 ppb
PAC-R	:	1.0 ppb
DEXTRID	:	4.0 ppb
Salt	:	19 ppb
EZ MUD L	:	0.4 ppb
BARACIDE	:	0.05 ppb

The EZ MUD was mixed slowly to the mud while circulating in the pits on surface before displacement. This gradually increased the concentration. The system shearer, an old bit in the pill tank, was used to shear the mud while circulating on surface. This had the effect of bringing the viscosity down from the initial 80 sec to 59 sec.

One additional 80 bbl premix was needed to maintain surface volume. This premix had the same concentrations as the mud except that no salt was added.

After drilling to the top of the Pacoota P3-120/130 formation, 5 ppb of BAROFIBRE fine was added to the circulating system to reduce seepage losses in the zone.

Typical Properties

Depth	:	1530	1600	1600	m
Mud Weight	:	8.8	9.0	9.0-9.3	ppg
Viscosity	:	53	51	40-50	sec
Plastic Viscosity	:	20	18	22	cPs
Yield Point	:	11	14	10-15	$lb/100ft^2$
API Filtrate	:	5.0	4.8	< 6.0	ml
M.B.C.	:	8	8	8	ppb
pH	:	8.5	8.5	8.5-9.5	
Chlorides	:	34,000	32,000	20-25000	mg/l
Total Hardness	:	200	200		mg/l
NaCl	:	5.4	5.4	5.4	%
Sulfite Res.	:	50	50	50	mg/l

Hole Conditions
The hole seemed to be in good condition throughout, with reaming required from 1520 to 1530 m on the only trip.

Solids Control

Initial displacement used B50/B80 shaker screens. There were some losses over the shaker due to screen binding with the increased EZ MUD concentration.

The desander was run continuously and was very effective. The desilter motor was under repair for the entire interval and it was decided to run the desander only. The mud weight didn't exceed 9.0 ppg. The centrifuge was not required.

CONCLUSIONS & RECOMMENDATIONS

- The material costs for the AIR/MIST/FOAM sections were very close to the programmed estimates.

- The use of BAROFIBRE in the Pacoota P3-120/130 formation worked effectively in controlling seepage losses.

- As has been stated before in previous East Mereenie recaps, the present Brandt shale shaker is inadequate. The finest screens that could handle the average flow rate of 300 gpm were a B50/B80 combination. With only a short interval being drilled with mud, these were acceptable. However, in longer intervals, solids build up could become a major problem. BAROID recommends replacing the unit with a linear motion design or coupling it with another shaker.

APPENDIX-1. **FORMATION TOPS**

FORMATION	PROGNOSED MD	PROGNOSED TVD	ACTUAL MD	ACTUAL TVD
Park Siltstone	5	5		
Mereenie Sandstone	46	46		
Carmichael Sandstone	565	565		
Upper Stokes Siltstone	637	637		
Lower Stokes	866	862		
Upper Stairway	943	935		
Middle Stairway	1006	991		
Lower Stairway	1124	1088		
Horn Valley Siltstone 1214	1159			
Pacoota P1	1293	1222		
Pacoota P2	1409	1314		
Pacoota P3	1482	1373		
Pacoota Top P3-120/130	1518	1401	1532	
Pacoota Base P3-120/130	1535	1414	1562	
Pacoota Top P3-230/250	1559	1433		
Pacoota Base P3-230/250	1576	1447		
Pacoota P4	1576	1447		
TD	1621	1483	1653	

APPENDIX-2 **AIR DRILLING PARAMETERS**

DEPTH (m)	AIR PRESS. (psi)	RATE (cfm)	AIR INJ. RATE (bbl/hr)	FOAM/WATER INJ. (bbl)	TOTAL VOL. (lpb)
2313 to 2343	510-540	2400	8	90	1.0

APPENDIX-3 **HOLE CALLIPER DATA EM-36**

DEPTH m	HOLE SIZE ins
1451	7.0
1453	7.9
1460	6.2
1480	6.5
1500	7.0
1520	6.0
1540	6.0
1560	6.0
1580	6.0
1600	6.1
1620	6.0
1640	6.5
1660	6.0
1680	6.2
1700	5.9
1775	5.9
1825	5.9
1840	7.0
1860	7.2
1870	6.8
1880	6.6
1900	7.8
1910	10.2
1920	10.0
1925	9.0
1940	6.0
1960	5.9
2000	5.9
2075	5.9
2150	5.9
2200	5.8
2225	5.8
2245	5.5
2260	5.6
2275	5.8
2300	5.6
2325	5.6

POST WELL AUDIT

Baroid Australia Pty Ltd

DAILY ACTIVITY SUMMARY

COMPANY MOONIE OIL N. L. (Santos)
WELL EAST MEREENIE 37
LOCATION AMADEUS BASIN, N.T.
CONT/RIG O.D.& E. Mereenie Rig 1

1995	ACTIVITY
09 – Jun	POOH for new bit. RIH new BHA and Bit 9. Air/Mist/Foam drill from 951 to 1051 m, blowing well clean on surveys.
10 – Jun	Cont. to POOH bit 9. RIH bit 10 to 952 m. Ream 952 to 1051 m. Drill from 1051 to 1162 m, blowing well clean on surveys. POOH for new bit.
11 – Jun	Make up bit 11. RIH to 1157 m. Ream from 1157 to 1162 m. Drill from 1162 to 1245 m, blowing well clean on surveys. Displace hole to brine. POOH to log. Log No. 1: FMS – GR – AMS.
12 – Jun	Cont. with log No. 1. Process logs and revise EM 37 target. M/U 9 7/8 assembly and RIH bit 12 to 968 m while unloading well. Ream from 968 to 1245 m. Drill from 1245 to 1267 m, blowing well clean on surveys. POOH for 8 1/2 drilling assembly. Blow hole. Work tight spot @ 1258 m. POOH.
13 – Jun	Cont. to POOH bit 12. M/U 8 1/2' assembly. RIH bit 13. Wash to bottom, 17 m fill. Drill from 1267 to 1340 m, blowing hole clean on surveys. POOH for bit change.
14 – Jun	Blow well and ream from 1270 to 1340 m. Drill from 1370 to 1379 m, blowing well clean on surveys. Perform a DST. Drill from 1379 to 1465 m, blowing well clean on surveys.
15 – Jun	Survey. Shut In well, build up pressure. Conduct well kill. Circ. Bottoms Up. Pump Hwt pill. POOH. RIH to 1431 m. Ream from 1431 to 1465 m. Drill from 1465 to 1489 m.
16 – Jun	Drill from 1489 to 1530 with surveys. Circ. bottoms up. Survey. Pump weighted pill. POOH. RIH with bit 16.
17 – Jun	RIH. Wash and ream from 1520 to 1530 m. Drill from 1530 to 1589 m.
18 – Jun	Run survey. Drill from 1589 to TD of 1600 m. Circ. bottoms up. Pump pill. POOH to log.

Baroid Australia Pty Ltd.

MATERIAL RECAP

COMPANY MOONIE OIL N. L. (Santos)
WELL EAST MEREENIE 37
LOCATION AMADEUS BASIN, N.T.

HOLE SIZE 13 1/2
CONTRACTOR/RIG O.D.& E. Mereenie Rig 1
MUD TYPE Air/Mist/Foam

INTERVAL TO (m)	692	DRILLING DAYS	9	COST/DAY	A$415.09
FROM (m)		ROTATING HRS	92.5	COST/m	A$5.40
DRILLED (m)	692			COST/bbl	A$4.83
DATE	4-6-95			CONSUMPTION FACTOR (bbl/m)	1.12

MATERIAL	UNIT SIZE	UNIT COST	QUANTITY EST	QUANTITY ACT	CONC (lb/bbl) EST	CONC (lb/bbl) ACT	TOTAL COSTS ESTIMATE	TOTAL COSTS ACTUAL
AQUAGEL,sx	25 kg	14.9	36	20	2.9	1.4	536.40	298.00
BARACOR 1635L	205 lt	574.55	1	1	0.7	0.6	574.55	574.55
Caustic Soda	25 kg	34.25	2	2	0.2	0.1	68.50	68.50
EZ MUD (liq)	19 lt	74.07		1		0.1		74.07
Lime	20 kg	9.12	1	1	0.1	0.1	9.12	9.12
QUIK-FOAM	205 lt	542.31	8	5	5.3	2.9	4,338.48	2,711.55
Soda Ash	25 kg	19.6	1		0.1		19.60	

			COST LESS BARITE :	A$5,546.65	A$3,735.79
VOLUMES			COST WITH BARITE :	A$5,546.65	A$3,735.79
Sea W.	bbl				
Drill W.	bbl	670	765		
other	bbl				
other	bbl				
Chemical	bbl	14.1	9		
Salvaged Mud	bbl				
TOTAL MUD USED	bbl	684	774		

COMMENTS

Baroid Australia Pty Ltd.

MATERIAL RECAP

COMPANY	MOONIE OIL N. L. (Santos)	HOLE SIZE	9 7/8
WELL	EAST MEREENIE 37	CONTRACTOR/RIG	O.D.& E. Mereenie Rig 1
LOCATION	AMADEUS BASIN, N.T.	MUD TYPE	Air/Mist/Foam–Brine

INTERVAL TO (m)	1267	DRILLING DAYS	8	COST/DAY	A$424.05
FROM (m)	692	ROTATING HRS	47	COST/m	A$5.90
DRILLED (m)	575			COST/bbl	A$3.46
DATE	12–6–95			CONSUMPTION FACTOR (bbl/m)	1.71

MATERIAL	UNIT SIZE	UNIT COST	QUANTITY EST	QUANTITY ACT	CONC (lb/bbl) EST	CONC (lb/bbl) ACT	TOTAL COSTS ESTIMATE	TOTAL COSTS ACTUAL
BARACOR 1635L	205 lt	574.55	2	1	0.8	0.5	1,149.10	574.55
Caustic Soda	25 kg	34.25	2	2	0.1	0.1	68.50	68.50
QUIK–FOAM	205 lt	542.31	5	4	2.0	1.8	2,711.55	2,169.24
Salt, Flossey Fine	25 kg	8.79	54	66	2.7	3.7	474.66	580.14
Soda Ash	25 kg	19.6	1		0.0		19.60	

			COST LESS BARITE :	A$4,423.41	A$3,392.43
VOLUMES			COST WITH BARITE :	A$4,423.41	A$3,392.43
Sea W.	bbl				
Drill W.	bbl	1093	970		
other	bbl				
other	bbl				
Chemical	bbl	13.1	11		
Salvaged Mud	bbl				
TOTAL MUD USED	bbl	1106	981		

COMMENTS

Baroid Australia Pty Ltd.

MATERIAL RECAP

COMPANY	MOONIE OIL N. L. (Santos)	HOLE SIZE	8 1/2
WELL	EAST MEREENIE 37	CONTRACTOR/RIG	O.D.& E. Mereenie Rig 1
LOCATION	AMADEUS BASIN, N.T.	MUD TYPE	Air/Mist/Foam

INTERVAL TO (m)	1465	DRILLING DAYS	2	COST/DAY	A$542.31
FROM (m)	1267	ROTATING HRS	20.5	COST/m	A$5.48
DRILLED (m)	198			COST/bbl	A$2.56
DATE	14-6-95			CONSUMPTION FACTOR (bbl/m)	2.14

MATERIAL	UNIT SIZE	UNIT COST	QUANTITY EST	QUANTITY ACT	CONC (lb/bbl) EST	CONC (lb/bbl) ACT	TOTAL COSTS ESTIMATE	TOTAL COSTS ACTUAL
BARACOR 1635L	205 lt	574.55	1		1.1		574.55	
Caustic Soda	25 kg	34.25	1		0.1		34.25	
EZ MUD (liq)	19 lt	74.07	9		0.9		666.63	
QUIK-FOAM	205 lt	542.31	5	2	5.4	2.1	2,711.55	1,084.62
Soda Ash	25 kg	19.6	1		0.1		19.60	

				COST LESS BARITE :	A$4,006.58	A$1,084.62
VOLUMES				COST WITH BARITE :	A$4,006.58	A$1,084.62
Sea W.	bbl				
Drill W.	bbl	413	420		
other	bbl				
other	bbl				
Chemical	bbl	8.9	3		
Salvaged Mud	bbl				
TOTAL MUD USED	bbl	422	423		

COMMENTS

Baroid Australia Pty Ltd.

MATERIAL RECAP

COMPANY MOONIE OIL N. L. (Santos)
WELL EAST MEREENIE 37
LOCATION AMADEUS BASIN, N.T.

HOLE SIZE 8 1/2
CONTRACTOR/RIG O.D.& E. Mereenie Rig 1
MUD TYPE NaCl/EZ MUD/Polymer

INTERVAL TO (m)	1600	DRILLING DAYS	4	COST/DAY	A$5,681.44
FROM (m)	1465	ROTATING HRS	51	COST/m	A$168.34
DRILLED (m)	135			COST/bbl	A$24.73
DATE	18-6-95			CONSUMPTION FACTOR (bbl/m)	6.81

MATERIAL	UNIT SIZE	UNIT COST	QUANTITY EST	QUANTITY ACT	CONC (lb/bbl) EST	CONC (lb/bbl) ACT	TOTAL COSTS ESTIMATE	TOTAL COSTS ACTUAL
AQUAGEL,sx	25 kg	14.9	167	131	7.5	7.9	2,488.30	1,951.90
BARACIDE	25 kg	501.75	1	1	0.0	0.1	501.75	501.75
BARACOR-129	25 kg	71.33	10	5	0.4	0.3	713.30	356.65
BAROFIBRE, Fine	25 lb	60.13	230	160	4.7	4.4	13,829.90	9,620.80
Bicarbonate	25 kg	23.38		1		0.1		23.38
Caustic Soda	25 kg	34.25	8	8	0.4	0.5	274.00	274.00
DEXTRID	25 kg	48.61	92	66	4.1	4.0	4,472.12	3,208.26
EZ MUD (liq)	19 lt	74.07	39	19	1.3	0.9	2,888.73	1,407.33
PAC-R	50 lb	130.47	23	17	0.9	0.9	3,000.81	2,217.99
Salt, Flossey Fine	25 kg	8.79	417	351	18.7	21.1	3,665.43	3,085.29
Soda Ash	25 kg	19.6	4	4	0.2	0.2	78.40	78.40
Sodium Nitrate	50 kg	72.77	4		0.4		291.08	

COST LESS BARITE :	A$32,203.82	A$22,725.75
COST WITH BARITE :	A$32,203.82	A$22,725.75

VOLUMES			
Sea W.	bbl		
Drill W.	bbl	1149	859
other	bbl		
other	bbl		
Chemical	bbl	80.7	60
Salvaged Mud	bbl		
TOTAL MUD USED	bbl	1230	919

COMMENTS
Nitrate tracer was not run on advice from Geologist.

Baroid Australia Pty Ltd.

MATERIAL RECAP
NON-DRILLING

COMPANY MOONIE OIL N. L. (Santos)
WELL EAST MEREENIE 37
LOCATION AMADEUS BASIN, N.T.

HOLE SIZE
CONTRACTOR/RIG O.D.& E. Mereenie Rig 1
USED FOR

MATERIAL	UNIT SIZE	UNIT COST	QUANTITY EST	QUANTITY ACT	CONC (lb/bbl) EST	CONC (lb/bbl) ACT	TOTAL COSTS ESTIMATE	TOTAL COSTS ACTUAL
Lime	20 kg	9.12		2				18.24

COST LESS BARITE : A$18.24
COST WITH BARITE : A$18.24

VOLUMES	
Sea W.	bbl
Drill W.	bbl
other	bbl
other	bbl
Chemical	bbl
Salvaged Mud	bbl
TOTAL MUD USED	bbl

COMMENTS
The two lime were used on the rig toilets.

Baroid Australia Pty Ltd.

MATERIAL SUMMARY

COMPANY MOONIE OIL N. L. (Santos)
WELL EAST MEREENIE 37

LOCATION AMADEUS BASIN, N.T.
CONTRACTOR/RIG O.D.& E. Mereenie Rig 1

INTERVAL MUD TYPES	SIZE	m	DAYS	HOURS
Air/Mist/Foam	13 1/2	692	9	92.5
Air/Mist/Foam–Brine	9 7/8	575	8	47
Air/Mist/Foam	8 1/2	198	2	20.5
NaCl/EZ MUD/Polymer	8 1/2	135	4	51
TOTALS		1600	23	211

WELL DURATION
FROM : 09–Jun–95
TO : 18–Jun–95

COST/DAY A$1,345.16
COST/m A$19.34
COST/bbl A$9.99
CONSUMPTION FACTOR (bbl/m) 1.94

RECAP BY Chris Wallace

MATERIAL	UNIT SIZE	UNIT COST	QUANTITY ESTIMATE	QUANTITY ACTUAL	TOTAL COSTS ESTIMATE	TOTAL COSTS ACTUAL
AQUAGEL,sx	25 kg	14.9	203	151	3,024.70	2,249.90
BARACIDE	25 kg	501.75	1	1	501.75	501.75
BARACOR 1635L	205 lt	574.55	4	2	2,298.20	1,149.10
BARACOR–129	25 kg	71.33	10	5	713.30	356.65
BAROFIBRE, Fine	25 lb	60.13	230	160	13,829.90	9,620.80
Bicarbonate	25 kg	23.38		1		23.38
Caustic Soda	25 kg	34.25	13	12	445.25	411.00
DEXTRID	25 kg	48.61	92	66	4,472.12	3,208.26
EZ MUD (liq)	19 lt	74.07	48	20	3,555.36	1,481.40
Lime	20 kg	9.12	1	1	9.12	9.12
PAC–R	50 lb	130.47	23	17	3,000.81	2,217.99
QUIK–FOAM	205 lt	542.31	18	11	9,761.58	5,965.41
Salt, Flossey Fine	25 kg	8.79	471	417	4,140.09	3,665.43
Soda Ash	25 kg	19.6	7	4	137.20	78.40
Sodium Nitrate	50 kg	72.77	4		291.08	

COST LESS BARITE :	A$46,180.46	A$30,938.59	
COST WITH BARITE :	A$46,180.46	A$30,938.59	

VOLUMES			
Sea W.	bbl		
Drill W.	bbl	3325	3014
other	bbl		
other	bbl		
Chemical	bbl	116.8	83
Salvaged Mud	bbl		
TOTAL MUD USED	bbl	3442	3097

COMMENTS

Baroid Australia Pty Ltd.

MATERIAL RECONCILIATION

COMPANY MOONIE OIL N. L. (Santos)
WELL EAST MEREENIE 37

LOCATION AMADEUS BASIN, N.T.
CONT/RIG O.D.& E. Mereenie Rig 1

DATES : FROM 09-Jun-95
TO 18-Jun-95

MATERIAL	UNIT SIZE	START STOCK	TOTAL DELIV	TOTAL START +DEL.	INTERVAL USEAGE (1) 13 1/2	(2) 9 7/8	(3) 8 1/2	(4) 8 1/2	(5)	(6)	(7)	(8) NON DRLG	VAR-IANCE	TOTAL USED	FINAL INVEN TORY	COMMENTS
AQUAGEL,sx	25 kg		240	240	20			131						151	89	
BARACIDE	25 kg		3	3				1						1	2	
BARACOR 1635L	205 lt		7	7	1	1								2	5	
BARACOR-129	25 kg		20	20				5						5	15	
BARADEFOAM W300	25 lt		1	1											1	
BARAFILM	208 lt		1	1											1	
BARAFILM	25 lt		15	15											15	
Barite,sx	25 kg		1475	1475											1475	
BAROFIBRE, Fine	25 lb		340	340				160						160	180	
Bicarbonate	25 kg		6	6				1						1	5	
Calcium Chloride	25 kg															
Caustic Soda	25 kg		44	44	2	2		8						12	32	
DEXTRID	25 kg		106	106				66						66	40	
EZ MUD (liq)	19 lt		58	58	1			19						20	38	
KCL,Tech(sx)	25 kg		140	140											140	
Lime	20 kg		3	3	1							2		3		2 used for rig toilets.
PAC-R	50 lb		44	44				17						17	27	
QUIK-FOAM	205 lt		20	20	5	4	2							11	9	
Salt, Flossey Fine	25 kg		503	503		66		351						417	86	
Soda Ash	25 kg		10	10				4						4	6	
Sodium Nitrate	50 kg		4	4											4	

Baroid Australia Pty Ltd

WEEKLY INVENTORY

COMPANY MOONIE OIL N. L. (Santos)

WELL EAST MEREENIE 37

YEAR 1995

MATERIAL	DATE / Size	09/06			10/06			11/06			12/06			13/06			14/06			15/06		
		Used	Rec	Bal	Used	Rec	Bal	Used	Rec	Bal	Used	Rec	Bal	Used	Rec	Bal	Used	Rec	Bal	Used	Rec	Bal
AQUAGEL, sx	25 kg	20	240	220			220			220			220			220			220	131		89
BARACIDE	25 kg		3	3			3			3			3			3			3	1		2
BARACOR 1635L	205 lt	1	7	6			6	1		5			5			5			5			5
BARACOR-129	25 kg		20	20			20			20			20			20			20			20
BARADEFOAM W300	25 lt		1	1			1			1			1			1			1			1
BARAFILM	208 lt		1	1			1			1			1			1			1			1
BARAFILM	25 lt		15	15			15			15			15			15			15			15
Barite, sx	25 kg		1475	1475			1475			1475			1475			1475			1475			1475
BAROFIBRE, Fine	25 lb		340	340			340			340			340			340			340			340
Bicarbonate	25 kg		6	6			6			6			6			6			6	1		5
Calcium Chloride	25 kg																					
Caustic Soda	25 kg	2	44	42	1		41			41	1		40			40			40	4		36
DEXTRID	25 kg		106	106			106			106			106			106			106	60		46
EZ MUD (liq)	19 lt	1	58	57			57			57			57			57			57	19		38
KCL, Tech(sx)	25 kg		140	140			140			140			140			140			140			140
Lime	20 kg	1	3	2			2			2			2			2			2			2
PAC-R	50 lb		44	44			44			44			44			44			44	15		29
QUIK-FOAM	205 lt	7	20	13	1		12	1		11			11	1		10	1		9			9
Salt, Flossey Fine	25 kg		503	503			503	66		437			437			437			437	303		134
Soda Ash	25 kg		10	10			10			10			10			10			10	3		7
Sodium Nitrate	50 kg		4	4			4			4			4			4			4			4

Baroid Australia Pty L

COMPANY MOONIE OIL N. L. (Santos)

WELL EAST MEREENIE 37

WEEKLY INVENTORY

YEAR 1995

MATERIAL	DATE / Size	16/06 Used	16/06 Rec	16/06 Bal	17/06 Used	17/06 Rec	17/06 Bal	18/06 Used	18/06 Rec	18/06 Bal
AQUAGEL, sx	25 kg			89			89			89
BARACIDE	25 kg			2			2			2
BARACOR 1635L	205 lt			5			5			5
BARACOR-129	25 kg	2		18	3		15			15
BARADEFOAM W300	25 lt			1			1			1
BARAFILM	208 lt			1			1			1
BARAFILM	25 lt			15			15			15
Barite, sx	25 kg			1475			1475			1475
BAROFIBRE, Fine	25 lb	160		180			180			180
Bicarbonate	25 kg			5			5			5
Calcium Chloride	25 kg									
Caustic Soda	25 kg	1		35	3		32			32
DEXTRID	25 kg	6		40			40			40
EZ MUD (liq)	19 lt			38			38			38
KCL, Tech(sx)	25 kg			140			140			140
Lime	20 kg			2	2					
PAC-R	50 lb	2		27			27			27
QUIK-FOAM	205 lt			9			9			9
Salt, Flossey Fine	25 kg	20		114			114	28		86
Soda Ash	25 kg			7	1		6			6
Sodium Nitrate	50 kg			4			4			4

Baroid Australia Pty Ltd

COMPANY MOONIE OIL N. L. (Santos)
WELL EAST MEREENIE 37
LOCATION AMADEUS BASIN, N.T.
CONT/RIG O.D.& E. Mereenie Rig 1

SOLIDS CONTROL and MUD VOLUME ANALYSIS

1995

SOLIDS CONTROL		09–Jun	10–Jun	11–Jun	12–Jun	13–Jun	14–Jun	15–Jun	16–Jun	17–Jun	18–Jun
Shaker 1	Screens	B50/B80	B50/B80	B50/B80	B50/B80	B50/B80	B50/B80	B50/B80	B50/B80	B50/B80	B50/B80
	Hrs							11.5	17.5	23	5.5
Shaker 2	Screens										
	Hrs										
Shaker 3	Screens										
	Hrs										
Shaker 4	Screens										
	Hrs										
Desander	U/F ppg							12.7	11.3	13.3	13.2
Demco 4x6"	bbl/hr							1	1	0.7	0.9
	Hrs							5	17.5	23	5.5
	bbl							5	18	16	5
Desilter	U/F ppg										
Demco 12x4"	bbl/hr										
	Hrs										
	bbl										
Mud Cleaner 2.	U/F ppg										
	bbl/hr										
	Hrs										
	bbl										
Centrifuge 1	Feed ppg										
Baroid	O/F ppg										
	U/F ppg										
	bbl/hr										
	Hrs										
	bbl										
Centrifuge 2	Feed ppg										
	O/F ppg										
	U/F ppg										
	bbl/hr										
	Hrs										
	bbl										

VOLUMES bbl		09–Jun	10–Jun	11–Jun	12–Jun	13–Jun	14–Jun	15–Jun	16–Jun	17–Jun	18–Jun
Downhole Volume		292	325	395	356	377	404	405	414	427	429
Initial Reserve			665	665	401	473	642	757	75		
Added:	Act Mud										
	Seawater										
	Drill–Water	665		164	72	169	115	74			
	other										
	other										
	Chemical							1			
Final Reserve		665	665	401	473	642	757	75			
Initial Active									360	406	326
Added:	Res Mud			428				757	75		
	Seawater										
	Drill–Water	1050	105	60	120	90	330				
	other										
	other										
	Chemical	12	1	7		1	1	40	17	1	2
Losses:	Solids Control							5	18	16	5
	Lost/Dumped	1062	106	100	515	91	331	27	19	52	4
	DownHole										
Final Active								360	406	326	317
Total Final Volume		665	665	401	473	642	757	435	406	326	317

DILUTION										
Interval Type										
Depth m	1051	1162	1245	1267	1340	1465	1489	1530	1589	1600
Daily drilled m	1051	111	83	22	73	125	24	41	59	11
Daily Dilution bbl	1062	106	100	515	91	331	32	37	68	9
Daily Consumption bbl	1727	106	231	192	260	446	115	17	1	2
Interval Drilled m	1051	1162	1245	1267	1340	1465	1489	1530	1589	1600
Interval Dilution bbl	1062	1168	1268	1783	1874	2205	2237	2274	2342	2351
Rate bbl/m	1.01	1.01	1.02	1.41	1.4	1.51	1.5	1.49	1.47	1.47
Interval Consumption bbl	1727	1833	2064	2256	2516	2962	3077	3094	3095	3097
Rate bbl/m	1.64	1.58	1.66	1.78	1.88	2.02	2.07	2.02	1.95	1.94

Baroid Australia Pty Ltd

COMPANY MOONIE OIL N. L. (Santos)

WELL EAST MEREENIE 37

WATER BASE MUD PROPERTIES

YEAR 1995

		09/06	09/06	11/06	12/06	12/06	14/06	15/06	16/06		17/06		18/06		
Sample Location	IN or OUT			LOG			PITS	IN	IN	IN	IN	IN	IN		
Time Sample Taken	hrs			15:00			24:00	23:30	11:00	17:30	9:00	21:00	6:00		
Depth	m			1245			1465	1489	1519	1530	1554	1582	1600		
Hole Size	ins			9.87			8.5	8.5	8.5	8.5	8.5	8.5	8.5		
Flowline Temp	°C								35	35	40	42	43		
Weight	ppg			8.5			8.8	8.8	8.8	8.8	8.9	9	9		
Funnel Viscosity	sec/qt			26			59	50	55	53	49	51	51		
600 rpm	lb/100 ft²						63	49	53	51	52	50	50		
300 rpm	lb/100 ft²						40	30	33	31	33	32	32		
200 rpm	lb/100 ft²														
100 rpm	lb/100 ft²														
6 rpm	lb/100 ft²														
3 rpm	lb/100 ft²														
Plastic Viscosity	cP						23	19	20	20	19	18	18		
Yield Point	lb/100 ft²						17	11	13	11	14	14	14		
Gel – 10 sec	lb/100 ft²						3	5	5	5	6	6	6		
Gel – 10 min	lb/100 ft²						10	10	10	9	11	11	11		
Gel – 30 min	lb/100 ft²														
API Filtrate	ml/30min			NC			5	5	5	4.8	4.8	4.8	4.8		
API Filter Cake	32nd ins						1	1	1	1	1	1	1		
HPHT Filtrate	ml/30min														
HPHT Filter Cake	32nd ins														
HPHT Temp	°F														
Solids	% Vol						1.6	1.2	1.2	1.2	2.1	3	3		
Oil	% Vol														
Water	% Vol						95.8	95.8	95.8	95.8	95	94.3	94.3		
Sand	% Vol						TR	0.5	0.8	1	0.8	0.5	0.8		
Methylene Blue cap	ppb						8	8	8	8	8	8	8		
pH	meter			7			10	8	8.5	8.5	8.5	8.5	8.5		
Alk. Mud Pm	ml						0.5	0.37	0.45	0.45	0.25	0.4	0.4		
Alk. Filtrate Pf	ml						0.2	0.01	0.1	0.1	0.01	0.1	0.1		
Alk. Mf	ml						0.4	0.2	0.25	0.2	0.2	0.25	0.25		
Chlorides	mg/Lx10³			14			30	34	34	34	34	32	32		
Total Hardness	mg/L			600			160	200	200	200	200	200	200		
Calcium	mg/L						160	200	200	200	200	200	200		
KCL	% Wt Soln														
NaCl	% Wt Soln			2.3			4.9	5.5	5.4	5.4	5.4	5.4	5.4		

Baroid Australia Pty Ltd.

BIT RECORD

COMPANY MOONIE OIL N. L. (Santos)
WELL EAST MEREENIE 37
LOCATION AMADEUS BASIN, N.T.
CONT/RIG O.D.& E. Mereenie Rig 1

DATES : **FROM** 09-Jun-95
TO 18-Jun-95

BIT NO.	BIT SIZE ins	MAKE	TYPE	JETS	DPTH IN m	DPTH OUT m	DRLD m	HRS ON BIT	RATE m/hr	ACC DRLG HRS	WOB x1000 lb	RPM	VERT DEV. deg.	PUMP PRES psi	PUMP RATE bbl/min	MUD WT ppg	MUD VIS sec	CONDITION & REMARKS
1	9 7/8	IMPAX	HAMMER			34	34	2.5	13.6	2.5	4	30		130	2400CFM	AIR		Pilot Hole
2	17 1/2	IMPAX	HAMMER			34	34	3.5	9.7	6	5	30		150	2400CFM	AIR		Hole Opener
3	13 9/16	IMPAX	HAMMER		34	302	268	17	15.8	23	7	20	1	260	3200CFM	AIR		Hammer Drowned
4	13 1/2	HTC	ATJ55	OPEN	302	443	141	24.5	5.8	47.5	45	55	0.75	260	3200CFM	AIR		6 6 1/16 HFNB
5	13 1/2	HTC	ATJ55	OPEN	443	507	64	16	4	63.5	45	55	1	260	3200CFM	AIR		8 8 1/8 HF Repair
6	13 1/2	HTC	ATJ55	OPEN	507	625	118	21	5.6	84.5	35	65	1	370	3200CFM	AIR		3 6 1/16 HFNB
7	13 1/2	HTC	ATJ11H	OPEN	625	692	67	8	8.4	92.5	35	65	2.25	380	3200CFM	AIR		5 4 IN HF Casing
8	9 7/8	HTC	ATM11H	OPEN	692	951	259	16.5	15.7	109	35	60	25	155	2400CFM	AIR		5 5 IN HFNB
9	9 7/8	SMITH	MF30D	OPEN	951	1051	100	14	7.1	123	30	85	35	150	2400CFM	AIR		7 5 IN HFNB
10	9 7/8	SMITH	MF30D	OPEN	1051	1162	111	8	13.9	131	30	85	33.6	160	2400CFM	AIR		7 7 IN HFNB
11	9 7/8	SMITH	MF30D	OPEN	1162	1245	83	7	11.9	138	90	30	30.5	180	2400CFM	AIR		7 5 IN HF Log
12	9 7/8	SMITH	MF30D	OPEN	1245	1267	22	1.5	14.7	139.5	20	80	31	180	2400CFM	AIR		IN Change BHA
13	8 1/2	SMITH	F50D	OPEN	1267	1340	73	6.5	11.2	146	35	75	31.5	200	2400CFM	AIR		5 3 1/16 HFNB
14	8 1/2	SMITH	F50D	OPEN	1340	1465	125	14	8.9	160	35	75	32	270	3200CFM	AIR		7 5 IN HFNB
15	8 1/2	SMITH	F50D	3 X 12	1465	1530	65	24	2.7	184	38	70	28.9	1500	6.3	8.8	55	7 6 1/32 HFNB
16	8 1/2	SMITH	F50D	3 X 12	1530	1600	70	27	2.6	211	38	70	29	1200	6.3	8.9	50	

Baroid Australia Pty Ltd.

DIRECTIONAL SURVEYS

COMPANY MOONIE OIL N. L. (Santos)
WELL EAST MEREENIE 37
LOCATION AMADEUS BASIN, N.T.
CONT/RIG O.D.& E. Mereenie Rig 1

MD m	TVD m	INCL°	DIR °	DISP m
712.66	712.52	4.5	228.5	
731.9	731.68	6.4	223	
770.47	769.83	10.2	219	
808.95	807.43	14.2	216.5	
847.51	844.47	18	216	
885.89	880.52	22	215	
924.51	915.91	25.2	214	
967.03	953.58	30	214	
995.88	978.14	33.3	214	
1024.74	1002.06	34.7	211.5	
1043.95	1017.74	35.9	208	
1063.19	1033.3	35.4	210	
1092.11	1057.1	34.4	209.5	
1130.65	1088.92	34.3	209	
1149.88	1104.87	33.6	206	
1180.24	1130.19	33.4	207.5	
1237.9	1179.11	30.5	203.5	
1251.6	1190.93	30.3	203	
1261.21	1199.19	31	201.5	
1294.53	1227.91	32	204	
1333.01	1260.23	32	203.5	
1381.28	1301.06	32.5	203.5	
1410.19	1325.56	31.5	204	
1439	1350.21	31	204.5	
1458.28	1366.16	30.7	204.5	
1484.14	1389.51	30	204	
1523.13	1423.04	28.8	200.5	
1580.88		27.5	207.5	

DAILY MUD REPORTS

Baroid Australia Pty Ltd.

MUD REPORT NO. 1	up to 24:00 hrs, 9/6/95
DATE 10/6/95	DEPTH–m MD 1051 TVD
START DATE 9–Jun–95	ACTIVITY POOH.

OPERATOR MOONIE OIL N. L. (Santos)	CONTRACTOR / RIG O.D.& E. Mereenie Rig 1	COUNTRY AUSTRALIA
REPORT FOR B. GRINKE	REPORT FOR N. SCUTCHEON	TOWNSHIP ALICE SPRINGS
WELL NAME AND NO. EAST MEREENIE 37	FIELD OR BLOCK NO. OL 5 MEREENIE	LOCATION AMADEUS BASIN, N.T.

BIT DATA

Size 9.875 ins		
Type MF 30D		
Nozzles 32nds		
32	32	32
Noz Area 2.36 ins²		
TFA ins²		
NV m/sec		
Impact lb f		

DRILLING STRING

	OD ins	ID ins	Length m
Pipe 1	4.5	3.83	771.9
Pipe 2	4.5	2.77	55.42
Pipe 3			
Col 1	6.25	2.81	92.76
Col 2	7	2.81	130.88
OPEN HOLE SECTIONS			
Sect 1			
Sect 2			
Current		9.875	360.2

CASINGS

Size ins		Depth m
Riser	Set @	
16	Set @	23.47
10.75	Set @	690.78
	Set @	
	Set @	
	Set @	
	Set @	
Liner	Set @	
	Top @	

PUMP DATA

Pump Make	ins	x ins	Eff %	bbl/stk	spm	bbl/min
EMSCO F800	6	9	97	0.076		
EMSCO F800	6	9	97	0.076		
Pump Press 160 psi			TOTAL bbl/min			

MUD VOL	bbl	CIRCULATING DATA			
Downhole	292	Total circ – mins		AV	m/min
Active		Bottoms up – mins		DP	
Total Circ		Surface–bit – mins		DC	
Reserve	665	ECD ppg		Riser	

MUD PROPERTIES

Sample Location	IN or OUT				
Time Sample Taken	hrs				
Depth	m				
Flowline Temp	°C				
Weight	ppg				
Funnel Viscosity	sec/qt				
Plastic Viscosity	cP				
Yield Point	lb/100 ft²				
Gels 10 sec/10min/30 min	lb/100 ft²				
API Filtrate	ml/30min				
HPHT Filtrate	ml/30min				
API/HPHT Filter Cake	32nd ins				
Solids	% Vol				
Dissolved Salts	% Vol				
Oil/Water Content	% Vol				
Sand	% Vol				
Methylene Blue cap	ppb				
pH	meter				
Alk. Mud Pm	ml				
Alk. Filtrate, Pf/Mf	ml				
Chlorides	mg/Lx10³				
Total Hardness/Calcium	mg/L				
KCL	% Wt Soln				
NaCl	% Wt Soln				
Rheometer	600 rpm/300 rpm				
lb/100 ft²	200 rpm/100 rpm				
	6 rpm/3 rpm				

MUD PROPERTY SPECIFICATIONS

WEIGHT	ppg	VIS	sec	YP	lb/100 ft²
API Filt	ml	HTHP	ml	KCL	%
BY AUTHORITY					

REMARKS

Adding QUIK FOAM @ 1.9 lpb and BARACOR 1635L @ 0.3 lpb.
Injection rate is 10 bbl/hr @ 2400 CFM.

ACTIVITY

POOH for new bit.
RIH new BHA and Bit 9.
Air/Mist/Foam drill from 951 to 1051 m, blowing well clean on surveys.

INVENTORY AND CONSUMPTION

PRODUCT DESCRIPTION		USED	REC	BAL	COST
AQUAGEL,sx	25 kg	20	240	220	298
BARACIDE	25 kg		3	3	
BARACOR 1635L	205 lt	1	7	6	574.55
BARACOR–129	25 kg		20	20	
BARADEFOAM W30(	25 lt		1	1	
BARAFILM	208 lt		1	1	
BARAFILM	25 lt		15	15	
Barite,sx	25 kg		1475	1475	
BAROFIBRE, Fine	25 lb		340	340	
Bicarbonate	25 kg		6	6	
Caustic Soda	25 kg	2	44	42	68.5
DEXTRID	25 kg		106	106	
EZ MUD (liq)	19 lt	1	58	57	74.07
KCL,Tech(sx)	25 kg		140	140	

MUD TYPE Air/Mist/Foam

SOLIDS CONTROL EQUIPMENT

	Make	screen size	hrs
Shaker 1	B50/B80		
Shaker 2			
Shaker 3			
Shaker 4			

	ppg	bbl/hr	hrs	bbl
Desander				
Desilter				
Mud Cleaner 2.				
Centrifuge 1				
Centrifuge 2				

Solids Control Effic. %

CONSUMPTION

Additions	bbl
Sea W.	
Drill W.	1715
other	
other	
Barite	
Chemicals	12
Losses	**bbl**
Sol. Con.	
Lost/Dumped	1062
Down Hole	
Newhole	326
NET GAIN	665
Discharged	1062

BAROID Engineer	OFFICE	WAREHOUSE
Chris Wallace	MELBOURNE	ALICE SPRINGS
Tel. 03–6213311	Fax. 03–621–3367	089–525463

DAILY COST	CUMULATIVE COST
$ 4820.41	$ 4820.41

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY BAROID DRILLING FLUIDS, INC OR IT'S AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

RESERVE PITS

NO	TYPE	bbl
1	Water	75
2	Water	75
3	Water	80
4	Water	85
5	Water	85
6	Water	85
7	Water	90
8	Water	90

SURVEY DATA

MD m	TVD m	INCL°	DIR °	DISP m
712.66	712.52	4.5	228.5	
731.9	731.68	6.4	223	
770.47	769.83	10.2	219	
808.95	807.43	14.2	216.5	
847.51	844.47	18	216	
885.89	880.52	22	215	
924.51	915.91	25.2	214	
957.03	953.58	30	214	

SOLIDS ANALYSIS

Low Grav. Solids	% Vol	
Low Grav. Solids	ppb	
High Grav. Solids	% Vol	
High Grav. Solids	ppb	
ASG of Solids	g/cc	
Cuttings Volume	bbl	326.0
Interval Dilution	bbl/m	1.0
Interval Consumption	bbl/m	1.6

TIME BREAKDOWN

	hrs
Drilling	14
Circulating	
Reaming In	
Reaming out	
Tripping	6
Survey	3.5
Other	0.5
AVE ROP m/hr	75.07

Baroid Australia Pty Ltd.

MUD REPORT NO. 2	up to 24:00 hrs, 10/6/95
DATE 11/6/95	DEPTH–m MD 1162 TVD
START DATE 9–Jun–95	ACTIVITY POOH.

OPERATOR MOONIE OIL N. L. (Santos)	CONTRACTOR / RIG O.D.& E. Mereenie Rig 1	COUNTRY AUSTRALIA
REPORT FOR B. GRINKE	REPORT FOR N. SCUTCHEON	TOWNSHIP ALICE SPRINGS
WELL NAME AND NO. EAST MEREENIE 37	FIELD OR BLOCK NO. OL 5 MEREENIE	LOCATION AMADEUS BASIN, N.T.

BIT DATA

Size 9.875 ins
Type MF 30D
Nozzles 32nds

32	32	32

Noz Area 2.36 ins²
TFA ins²
NV m/sec
Impact lb f

DRILLING STRING

	OD ins	ID ins	Length m
Pipe 1	4.5	3.83	882.9
Pipe 2	4.5	2.77	55.42
Pipe 3			
Col 1	6.25	2.81	92.76
Col 2	7	2.81	130.88
Current	9.875		471.2

OPEN HOLE SECTIONS
Sect 1
Sect 2

CASINGS

Size ins		Depth m
Riser	Set @	
16	Set @	23.47
10.75	Set @	690.78
	Set @	
	Set @	
	Set @	
	Set @	
Liner	Set @	
	Top @	

PUMP DATA

Pump Make	ins x ins		Eff %	bbl/stk	spm	bbl/min
EMSCO F800	6	9	97	0.076		
EMSCO F800	6	9	97	0.076		

Pump Press 170 psi TOTAL bbl/min

MUD VOL	bbl	CIRCULATING DATA			
Downhole	325	Total circ	– mins	AV	m/min
Active		Bottoms up	– mins	DP	
Total Circ		Surface–bit	– mins	DC	
Reserve	655	ECD ppg		Riser	

MUD PROPERTIES

Sample Location	IN or OUT				
Time Sample Taken	hrs				
Depth	m				
Flowline Temp	°C				
Weight	ppg				
Funnel Viscosity	sec/qt				
Plastic Viscosity	cP				
Yield Point	lb/100 ft²				
Gels 10 sec/10min/30 min	lb/100 ft²				
API Filtrate	ml/30min				
HPHT Filtrate	ml/30min				
API/HPHT Filter Cake	32nd ins				
Solids	% Vol				
Dissolved Salts	% Vol				
Oil/Water Content	% Vol				
Sand	% Vol				
Methylene Blue cap	ppb				
pH	meter				
Alk. Mud Pm	ml				
Alk. Filtrate, Pf/Mf	ml				
Chlorides	mg/Lx10³				
Total Hardness/Calcium	mg/L				
KCL	% Wt Soln				
NaCl	% Wt Soln				
Rheometer	600 rpm/300 rpm				
lb/100 ft²	200 rpm/100 rpm				
	6 rpm/3 rpm				

MUD PROPERTY SPECIFICATIONS

WEIGHT	ppg	VIS	sec	YP	lb/100 ft²
API Filt	ml	HTHP	ml	KCL	%

BY AUTHORITY

REMARKS

Adding QUIK FOAM @ 1.9 lpb and BARACOR 1635L @ 0.3 lpb.
Injection rate is 10 bbl/hr @ 2400 CFM.

ACTIVITY

Cont. to POOH bit 9.
RIH bit 10 to 952 m.
Ream 952 to 1051 m.
Drill from 1051 to 1162 m, blowing well clean on surveys.
POOH for new bit.

INVENTORY AND CONSUMPTION

PRODUCT DESCRIPTION		USED	REC	BAL	COST
Caustic Soda	25 kg	1		41	34.25
QUIK–FOAM	205 lt	1		12	542.31

MUD TYPE Air/Mist/Foam

SOLIDS CONTROL EQUIPMENT

	Make	screen size	hrs
Shaker 1		B50/B80	
Shaker 2			
Shaker 3			
Shaker 4			

	ppg	bbl/hr	hrs	bbl
Desander				
Desilter				
Mud Cleaner 2.				
Centrifuge 1				
Centrifuge 2				

Solids Control Effic. %

CONSUMPTION

Additions	bbl
Sea W.	
Drill W.	105
other	
other	
Barite	
Chemicals	1
Losses	**bbl**
Sol. Con.	
Lost/Dumped	106
Down Hole	
Newhole	34
NET GAIN	
Discharged	106

BAROID Engineer	OFFICE	WAREHOUSE
Chris Wallace	MELBOURNE	ALICE SPRINGS
Tel. 03–6213311	Fax. 03–621–3367	089–525463

DAILY COST	CUMULATIVE COST
$ 576.56	$ 5396.97

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY BAROID DRILLING FLUIDS, INC OR IT'S AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

RESERVE PITS

NO	TYPE	bbl
1	Water	75
2	Water	75
3	Water	80
4	Water	85
5	Water	85
6	Water	85
7	Water	90
8	Water	90

SURVEY DATA

MD m	TVD m	INCL°	DIR °	DISP m
995.88	978.14	33.3	214	
1024.74	1002.06	34.7	211.5	
1043.95	1017.74	35.9	208	
1063.19	1033.3	35.4	210	
1092.11	1057.1	34.4	209.5	
1130.65	1088.92	34.3	209	
1149.88	1104.87	33.6	206	

SOLIDS ANALYSIS

Low Grav. Solids	% Vol	
Low Grav. Solids	ppb	
High Grav. Solids	% Vol	
High Grav. Solids	ppb	
ASG of Solids	g/cc	
Cuttings Volume	bbl	34.0
Interval Dilution	bbl/m	1.0
Interval Consumption	bbl/m	1.6

TIME BREAKDOWN

	hrs
Drilling	8
Circulating	
Reaming In	4.5
Reaming out	
Tripping	9
Surveys	2.5
Other	
AVE ROP m/hr	13.88

Baroid Australia Pty Ltd.

MUD REPORT NO.	3 up to 24:00 hrs, 11/6/95
DATE 12/6/95	DEPTH–m MD 1245 TVD
START DATE 9–Jun–95	ACTIVITY Running Logs.

OPERATOR	CONTRACTOR / RIG	COUNTRY
MOONIE OIL N. L. (Santos)	O.D.& E. Mereenie Rig 1	AUSTRALIA
REPORT FOR	REPORT FOR	TOWNSHIP
B. GRINKE	N. SCUTCHEON	ALICE SPRINGS
WELL NAME AND NO.	FIELD OR BLOCK NO.	LOCATION
EAST MEREENIE 37	OL 5 MEREENIE	AMADEUS BASIN, N.T.

BIT DATA

Size 9.875 ins			
Type MF 30D			
Nozzles 32nds			
32	32	32	
Noz Area 2.36 ins²			
TFA ins²			
NV m/sec			
Impact lb f			

DRILLING STRING

	OD ins	ID ins	Length m
Pipe 1	4.5	3.83	
Pipe 2	4.5	2.77	
Pipe 3			
Col 1	6.25	2.81	
Col 2	7	2.81	

OPEN HOLE SECTIONS

Sect 1		
Sect 2		
Current	9.875	554.2

CASINGS

Size ins		Depth m
Riser	Set @	
16	Set @	23.47
10.75	Set @	690.78
	Set @	
	Set @	
	Set @	
	Set @	
Liner	Set @	
	Top @	

PUMP DATA

Pump Make	ins	x ins	Eff %	bbl/stk	spm	bbl/min
EMSCO F800	6	9	97	0.076		
EMSCO F800	6	9	97	0.076		

Pump Press 180 psi TOTAL bbl/min

MUD VOL	bbl	CIRCULATING DATA			
Downhole	395	Total circ – mins		AV	m/min
Active		Bottoms up – mins		DP	
Total Circ	395	Surface–bit – mins		DC	
Reserve	401	ECD ppg	ERR	Riser	

MUD PROPERTIES

		LOG			
Sample Location	IN or OUT				
Time Sample Taken	hrs	15:00			
Depth	m	1245			
Flowline Temp	°C				
Weight	ppg	8.50			
Funnel Viscosity	sec/qt	26			
Plastic Viscosity	cP				
Yield Point	lb/100 ft²				
Gels 10 sec/10min/30 min	lb/100 ft²				
API Filtrate	ml/30min	NC			
HPHT Filtrate	ml/30min				
API/HPHT Filter Cake	32nd ins				
Solids	% Vol				
Dissolved Salts	% Vol				
Oil/Water Content	% Vol				
Sand	% Vol				
Methylene Blue cap	ppb				
pH	meter	7.0			
Alk. Mud Pm	ml				
Alk. Filtrate, Pf/Mf	ml				
Chlorides	mg/Lx10³	14.0			
Total Hardness/Calcium	mg/L	600/–			
KCL	% Wt Soln				
NaCl	% Wt Soln	2.3			
Rheometer	600 rpm/300 rpm				
lb/100 ft²	200 rpm/100 rpm				
	6 rpm/3 rpm				

MUD PROPERTY SPECIFICATIONS

WEIGHT	ppg	VIS	sec	YP	lb/100 ft²
API Filt	ml	HTHP	ml	KCL	%
BY AUTHORITY					

REMARKS

Adding QUIK FOAM @ 1.7 lpb and BARACOR 1635L @ 0.3 lpb.
Injection rate is 10 bbl/hr @ 2400 CFM.

Prepared and pumped 2.3% NaCl brine.

Preparing to mix 270 bbl of 8 ppb AQUAGEL.
Will charge costs when used.

ACTIVITY

Make up bit 11.
RIH to 1157 m.
Ream from 1157 to 1162 m.
Drill from 1162 to 1245 m, blowing well clean on surveys.
Displace hole to brine.
POOH to log.
Log No. 1: FMS–GR–AMS.

INVENTORY AND CONSUMPTION

PRODUCT DESCRIPTION		USED	REC	BAL	COST
BARACOR 1635L	205 lt	1		5	574.55
QUIK–FOAM	205 lt	1		11	542.31
Salt, Flossey Fine	25 kg	66		437	580.14

MUD TYPE	Air/Mist/Foam				CONSUMPTION	
SOLIDS CONTROL EQUIPMENT					Additions	bbl
	Make	screen size	hrs		Sea W.	
Shaker 1		B50/B80			Drill W.	224
Shaker 2					other	
Shaker 3					other	
Shaker 4					Barite	
	ppg	bbl/hr	hrs	bbl	Chemicals	7
Desander					Losses	bbl
Desilter					Sol. Con.	
Mud Cleaner 2.					Lost/Dumped	100
Centrifuge 1					Down Hole	
Centrifuge 2					Newhole	26
					NET GAIN	131
Solids Control Effic.			%		Discharged	100

BAROID Engineer	OFFICE	WAREHOUSE
Chris Wallace	MELBOURNE	ALICE SPRINGS
Tel. 03–6213311	Fax. 03–621–3367	089–525463

DAILY COST	CUMULATIVE COST
$ 1697.00	$ 7093.97

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY BAROID DRILLING FLUIDS, INC OR IT'S AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

RESERVE PITS

NO	TYPE	bbl
1	Water	75
2	Water	75
3	Water	80
4	Water	
5	Water	
6	Water	
7	Water	99
8	Water	72

SURVEY DATA

MD m	TVD m	INCL°	DIR °	DISP m
1180.24	1130.19	33.4	207.5	
1237.9	1179.11	30.5	203.5	

SOLIDS ANALYSIS

Low Grav. Solids	% Vol	
Low Grav. Solids	ppb	
High Grav. Solids	% Vol	
High Grav. Solids	ppb	
ASG of Solids	g/cc	
Cuttings Volume	bbl	26.0
Interval Dilution	bbl/m	1.0
Interval Consumption	bbl/m	1.7

TIME BREAKDOWN

	hrs
Drilling	7
Circulating	1
Reaming In	0.5
Reaming out	
Tripping	7.5
Surveys	1.5
Logging	5
Other	1.5
AVE ROP m/hr	11.86

Baroid Australia Pty Ltd.

MUD REPORT NO. 4 up to 24:00 hrs, 12/6/95	
DATE 13/6/95	DEPTH–m MD 1267 TVD
START DATE 9–Jun–95	ACTIVITY POOH.

OPERATOR MOONIE OIL N. L. (Santos)	CONTRACTOR / RIG O.D.& E. Mereenie Rig 1	COUNTRY AUSTRALIA
REPORT FOR B. GRINKE	REPORT FOR N. SCUTCHEON	TOWNSHIP ALICE SPRINGS
WELL NAME AND NO. EAST MEREENIE 37	FIELD OR BLOCK NO. OL 5 MEREENIE	LOCATION AMADEUS BASIN, N.T.

BIT DATA

Size 9.875 ins		
Type MF 30D		
Nozzles 32nds		
32	32	32
Noz Area 2.36 ins²		
TFA ins²		
NV m/sec		
Impact lb f		

DRILLING STRING

	OD ins	ID ins	Length m
Pipe 1	4.5	3.83	991.9
Pipe 2	4.5	2.77	55.42
Pipe 3			
Col 1	6.25	2.81	92.76
Col 2	7	2.81	126.9
OPEN HOLE SECTIONS			
Sect 1			
Sect 2			
Current		9.875	576.2

CASINGS

Size ins		Depth m
Riser	Set @	
16	Set @	23.47
10.75	Set @	690.78
	Set @	
	Set @	
	Set @	
	Set @	
Liner	Set @	
	Top @	

PUMP DATA

Pump Make	ins	x ins	Eff %	bbl/stk	spm	bbl/min
EMSCO F800	6	9	97	0.076		
EMSCO F800	6	9	97	0.076		

Pump Press 180 psi TOTAL bbl/min

MUD VOL	bbl	CIRCULATING DATA			
Downhole	356	Total circ – mins		AV	m/min
Active		Bottoms up – mins		DP	
Total Circ		Surface–bit – mins		DC	
Reserve	473	ECD ppg		Riser	

MUD PROPERTIES

Sample Location	IN or OUT				
Time Sample Taken	hrs				
Depth	m				
Flowline Temp	°C				
Weight	ppg				
Funnel Viscosity	sec/qt				
Plastic Viscosity	cP				
Yield Point	lb/100 ft²				
Gels 10 sec/10min/30 min	lb/100 ft²				
API Filtrate	ml/30min				
HPHT Filtrate	ml/30min				
API/HPHT Filter Cake	32nd ins				
Solids	% Vol				
Dissolved Salts	% Vol				
Oil/Water Content	% Vol				
Sand	% Vol				
Methylene Blue cap	ppb				
pH	meter				
Alk. Mud Pm	ml				
Alk. Filtrate, Pf/Mf	ml				
Chlorides	mg/Lx10³				
Total Hardness/Calcium	mg/L				
KCL	% Wt Soln				
NaCl	% Wt Soln				
Rheometer	600 rpm/300 rpm				
lb/100 ft²	200 rpm/100 rpm				
	6 rpm/3 rpm				

MUD PROPERTY SPECIFICATIONS

WEIGHT	ppg	VIS	sec	YP	lb/100 ft²
API Filt	ml	HTHP	ml	KCL	%
BY AUTHORITY					

REMARKS

Adding QUIK FOAM @ 1.7 lpb and BARACOR 1635L @ 0.3 lpb.
Injection rate is 10 bbl/hr @ 2400 CFM.

Waited on mixing pump repair/change out.

Mix 270 bbl NaCl/EZ MUD/Polymer mud.
Mix 180 bbl of 24 ppb AQUAGEL and allow to hydrate.
Will charge costs when used.

ACTIVITY

Cont. with log No. 1.
Process logs and revise EM 37 target.
M/U 9 7/8 assembly and RIH bit 12 to 968 m while unloading well.
Ream from 968 to 1245 m.
Drill from 1245 to 1267 m, blowing well clean on surveys.
POOH for 8 1/2 drilling assembly.
Blow hole. Work tight spot @ 1258 m. POOH.

INVENTORY AND CONSUMPTION

PRODUCT DESCRIPTION		USED	REC	BAL	COST
Caustic Soda	25 kg	1		40	34.25

MUD TYPE Air/Mist/Foam

SOLIDS CONTROL EQUIPMENT

	Make	screen size	hrs	ppg	bbl/hr	hrs	bbl
Shaker 1		B50/B80					
Shaker 2							
Shaker 3							
Shaker 4							
Desander							
Desilter							
Mud Cleaner 2.							
Centrifuge 1							
Centrifuge 2							

Solids Control Effic. %

CONSUMPTION

Additions	bbl
Sea W.	
Drill W.	192
other	
other	
Barite	
Chemicals	
Losses	**bbl**
Sol. Con.	
Lost/Dumped	515
Down Hole	
Newhole	7
NET LOSS	323
Discharged	515

BAROID Engineer	OFFICE	WAREHOUSE
Chris Wallace	MELBOURNE	ALICE SPRINGS
Tel. 03–6213311	Fax. 03–621–3367	089–525463

DAILY COST	CUMULATIVE COST
$ 34.25	$ 7128.22

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY BAROID DRILLING FLUIDS, INC OR IT'S AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

RESERVE PITS

NO	TYPE	bbl
1	Water	5
2	Gel	87
3	Gel	93
4	Water	
5	NaCl	94
6	Water	
7	NaCl	97
8	NaCl	97

SURVEY DATA

MD m	TVD m	INCL°	DIR °	DISP m
1251.6	1190.93	30.3	203	
1261.21	1199.19	31	201.5	

SOLIDS ANALYSIS

Low Grav. Solids	% Vol	
Low Grav. Solids	ppb	
High Grav. Solids	% Vol	
High Grav. Solids	ppb	
ASG of Solids	g/cc	
Cuttings Volume	bbl	7.0
Interval Dilution	bbl/m	1.4
Interval Consumption	bbl/m	1.8

TIME BREAKDOWN

	hrs
Drilling	1.5
Circulating	
Reaming In	8
Reaming out	
Tripping	7
Surveys	1.5
Logging	5
Blow Well	1
AVE ROP m/hr	14.67

Baroid Australia Pty Ltd.

MUD REPORT NO. 5	up to 24:00 hrs, 13/6/95
DATE 14/6/95	DEPTH–m MD 1340 TVD
START DATE 9–Jun–95	ACTIVITY POOH

OPERATOR MOONIE OIL N. L. (Santos)	CONTRACTOR / RIG O.D.& E. Mereenie Rig 1	COUNTRY AUSTRALIA
REPORT FOR B. GRINKE	REPORT FOR N. SCUTCHEON	TOWNSHIP ALICE SPRINGS
WELL NAME AND NO. EAST MEREENIE 37	FIELD OR BLOCK NO. OL 5 MEREENIE	LOCATION AMADEUS BASIN, N.T.

BIT DATA

Size 8.500 ins			
Type F50D			
Nozzles 32nds			
32	32	32	
Noz Area 2.36 ins²			
TFA ins²			
NV m/sec			
Impact lb f			

DRILLING STRING

	OD ins	ID ins	Length m
Pipe 1	4.5	3.83	1089.3
Pipe 2	4.5	2.77	55.42
Pipe 3			
Col 1	6.25	2.81	195.28
Col 2			

OPEN HOLE SECTIONS

Sect 1	9.875	576.22
Sect 2		
Current	8.5	73

CASINGS

Size ins		Depth m
Riser	Set @	
16	Set @	23.47
10.75	Set @	690.78
	Set @	
	Set @	
	Set @	
	Set @	
Liner	Set @	
	Top @	

PUMP DATA

Pump Make	ins	x ins	Eff %	bbl/stk	spm	bbl/min
EMSCO F800	6	9	97	0.076		
EMSCO F800	6	9	97	0.076		

Pump Press 210 psi TOTAL bbl/min

MUD VOL	bbl	CIRCULATING DATA			
Downhole	377	Total circ – mins		AV	m/min
Active		Bottoms up – mins		DP	
Total Circ		Surface–bit – mins		DC	
Reserve	642	ECD ppg		Riser	

MUD PROPERTIES

Sample Location	IN or OUT				
Time Sample Taken	hrs				
Depth	m				
Flowline Temp	°C				
Weight	ppg				
Funnel Viscosity	sec/qt				
Plastic Viscosity	cP				
Yield Point	lb/100 ft²				
Gels 10 sec/10min/30 min	lb/100 ft²				
API Filtrate	ml/30min				
HPHT Filtrate	ml/30min				
API/HPHT Filter Cake	32nd ins				
Solids	% Vol				
Dissolved Salts	% Vol				
Oil/Water Content	% Vol				
Sand	% Vol				
Methylene Blue cap	ppb				
pH	meter				
Alk. Mud Pm	ml				
Alk. Filtrate, Pf/Mf	ml				
Chlorides	mg/Lx10³				
Total Hardness/Calcium	mg/L				
KCL	% Wt Soln				
NaCl	% Wt Soln				
Rheometer	600 rpm/300 rpm				
lb/100 ft²	200 rpm/100 rpm				
	6 rpm/3 rpm				

MUD PROPERTY SPECIFICATIONS

WEIGHT	ppg	VIS	sec	YP	lb/100 ft²
API Filt	ml	HTHP	ml	KCL	%
BY AUTHORITY					

REMARKS

Adding QUIK FOAM @ 1.5 lpb and BARACOR 1635L @ 0.13 lpb.
Injection rate is 30 bbl/hr @ 2400 CFM.

Mixed 270 bbl NaCl/EZ MUD/Polymer mud.
Preparing to mix final 270 bbl mud now.
Will charge costs when used.

ACTIVITY

Cont. to POOH bit 12.
M/U 8 1/2' assembly.
RIH bit 13.
Wash to bottom, 17 m fill.
Drill from 1267 to 1340 m, blowing hole clean on surveys.
POOH for bit change.

INVENTORY AND CONSUMPTION

PRODUCT DESCRIPTION		USED	REC	BAL	COST
QUIK–FOAM	205 lt	1		10	542.31

MUD TYPE	Air/Mist/Foam				CONSUMPTION	
SOLIDS CONTROL EQUIPMENT					Additions	bbl
Make	screen size	hrs			Sea W.	
Shaker 1	B50/B80				Drill W.	259
Shaker 2					other	
Shaker 3					other	
Shaker 4					Barite	
	ppg	bbl/hr	hrs	bbl	Chemicals	1
Desander					Losses	bbl
Desilter					Sol. Con.	
Mud Cleaner 2.					Lost/Dumped	91
Centrifuge 1					Down Hole	
Centrifuge 2					Newhole	17
					NET GAIN	169
Solids Control Effic.				%	Discharged	91

BAROID Engineer	OFFICE	WAREHOUSE
Chris Wallace	MELBOURNE	ALICE SPRINGS
Tel. 03–6213311	Fax. 03–621–3367	089–525463

DAILY COST	CUMULATIVE COST
$ 542.31	$ 7670.53

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY BAROID DRILLING FLUIDS, INC OR IT'S AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

RESERVE PITS

NO	TYPE	bbl
1	Gel	45
2	Gel	45
3	Gel	80
4	NaCl/Poly	92
5	NaCl/Poly	94
6	NaCl/Poly	92
7	NaCl/Poly	97
8	NaCl/Poly	97

SURVEY DATA

MD m	TVD m	INCL°	DIR °	DISP m

SOLIDS ANALYSIS

Low Grav. Solids	% Vol	
Low Grav. Solids	ppb	
High Grav. Solids	% Vol	
High Grav. Solids	ppb	
ASG of Solids	g/cc	
Cuttings Volume	bbl	17.0
Interval Dilution	bbl/m	1.4
Interval Consumption	bbl/m	1.9

TIME BREAKDOWN

	hrs
Drilling	6.5
Circulating	
Reaming In	
Reaming out	
Tripping	14.5
Surveys	1
Other	2
AVE ROP m/hr	11.23

Baroid Australia Pty Ltd.

MUD REPORT NO.	6	up to 24:00 hrs,	14/6/95
DATE 15/6/95		DEPTH–m MD 1465	TVD
START DATE 9–Jun–95		ACTIVITY Survey.	

OPERATOR MOONIE OIL N. L. (Santos)	CONTRACTOR / RIG O.D.& E. Mereenie Rig 1	COUNTRY AUSTRALIA
REPORT FOR B. GRINKE	REPORT FOR N. SCUTCHEON	TOWNSHIP ALICE SPRINGS
WELL NAME AND NO. EAST MEREENIE 37	FIELD OR BLOCK NO. OL 5 MEREENIE	LOCATION AMADEUS BASIN, N.T.

BIT DATA

Size 8.500 ins
Type F50D
Nozzles 32nds

32	32	32

Noz Area 2.36 ins²
TFA ins²
NV m/sec
Impact lb f

DRILLING STRING

	OD ins	ID ins	Length m
Pipe 1	4.5	3.83	1214.3
Pipe 2	4.5	2.77	55.42
Pipe 3			
Col 1	6.25	2.81	195.28
Col 2			

OPEN HOLE SECTIONS

Sect 1	9.875	576.22
Sect 2		
Current	8.5	198

CASINGS

Size ins		Depth m
Riser	Set @	
16	Set @	23.47
10.75	Set @	690.78
	Set @	
	Set @	
	Set @	
	Set @	
Liner	Set @	
	Top @	

PUMP DATA

Pump Make	ins	x ins	Eff %	bbl/stk	spm	bbl/min
EMSCO F800	6	9	97	0.076		
EMSCO F800	6	9	97	0.076		

Pump Press 250 psi TOTAL bbl/min

MUD VOL	bbl	CIRCULATING DATA			
Downhole	404	Total circ	– mins	AV	m/min
Active		Bottoms up	– mins	DP	
Total Circ		Surface–bit	– mins	DC	
Reserve	757	ECD ppg	ERR	Riser	

MUD PROPERTIES

Sample Location	IN or OUT	PITS
Time Sample Taken	hrs	24:00
Depth	m	1465
Flowline Temp	°C	
Weight	ppg	8.80
Funnel Viscosity	sec/qt	59
Plastic Viscosity	cP	23
Yield Point	lb/100 ft²	17
Gels 10 sec/10min/30 min	lb/100 ft²	3/10/–
API Filtrate	ml/30min	5.0
HPHT Filtrate	ml/30min	
API/HPHT Filter Cake	32nd ins	1/–
Solids	% Vol	1.6
Dissolved Salts	% Vol	2.6
Oil/Water Content	% Vol	–/95.8
Sand	% Vol	TR
Methylene Blue cap	ppb	8
pH	meter	10.0
Alk. Mud Pm	ml	0.50
Alk. Filtrate, Pf/Mf	ml	0.20/0.40
Chlorides	mg/Lx10³	30.0
Total Hardness/Calcium	mg/L	160/160
KCL	% Wt Soln	
NaCl	% Wt Soln	4.9
Rheometer	600 rpm/300 rpm	63/40
lb/100 ft²	200 rpm/100 rpm	
	6 rpm/3 rpm	

MUD PROPERTY SPECIFICATIONS

WEIGHT	ppg	VIS	sec	YP	lb/100 ft²
API Filt	ml	HTHP	ml	KCL	%
BY AUTHORITY					

REMARKS

Adding QUIK FOAM @ 1.33 lpb and BARACOR 1635L @ 0.13 lpb.
Injection rate is 30 bbl/hr @ 3200 CFM.

Finished mixing NaCl/EZ MUD/Polymer mud.
Sheared mud through bit in pits.
Will charge costs when used.
Ready to displace well to mud at midnight.

ACTIVITY

Blow well and ream from 1270 to 1340 m.
Drill from 1370 to 1379 m, blowing well clean on surveys.
Perform a DST.
Drill from 1379 to 1465 m, blowing well clean on surveys.

INVENTORY AND CONSUMPTION

PRODUCT DESCRIPTION		USED	REC	BAL	COST
QUIK–FOAM	205 lt	1		9	542.31

MUD TYPE Air/Mist/Foam

SOLIDS CONTROL EQUIPMENT

	Make	screen size	hrs
Shaker 1		B50/B80	
Shaker 2			
Shaker 3			
Shaker 4			

	ppg	bbl/hr	hrs	bbl
Desander				
Desilter				
Mud Cleaner 2.				
Centrifuge 1				
Centrifuge 2				

Solids Control Effic. %

CONSUMPTION

Additions	bbl
Sea W.	
Drill W.	445
other	
other	
Barite	
Chemicals	1
Losses	**bbl**
Sol. Con.	
Lost/Dumped	331
Down Hole	
Newhole	29
NET GAIN	115
Discharged	331

BAROID Engineer	OFFICE	WAREHOUSE
Chris Wallace	MELBOURNE	ALICE SPRINGS
Tel. 03–6213311	Fax. 03–621–3367	089–525463

DAILY COST	CUMULATIVE COST
$ 542.31	$ 8212.84

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RESERVE PITS

NO	TYPE	bbl
1	NaCl/Poly	87
2	NaCl/Poly	87
3	NaCl/Poly	93
4	NaCl/Poly	99
5	NaCl/Poly	99
6	NaCl/Poly	94
7	NaCl/Poly	99
8	NaCl/Poly	99

SURVEY DATA

MD m	TVD m	INCL°	DIR °	DISP m
1294.53	1227.91	32	204	
1333.01	1260.23	32	203.5	
1381.28	1301.06	32.5	203.5	
1410.19	1325.56	31.5	204	
1439	1350.21	31	204.5	
1458.28	1366.16	30.7	204.5	

SOLIDS ANALYSIS

Low Grav. Solids	% Vol	1.6
Low Grav. Solids	ppb	14.6
High Grav. Solids	% Vol	
High Grav. Solids	ppb	
ASG of Solids	g/cc	2.60
Cuttings Volume	bbl	29.0
Interval Dilution	bbl/m	1.5
Interval Consumption	bbl/m	2.0

TIME BREAKDOWN

	hrs
Drilling	14
Circulating	
Reaming In	2
Reaming out	
Tripping	
Surveys	3.5
DST	4.5
Other	
AVE ROP m/hr	8.93

Baroid Australia Pty Ltd.

MUD REPORT NO. 7 up to 24:00 hrs, 15/6/95	
DATE 16/6/95	DEPTH–m MD 1489 TVD
START DATE 9–Jun–95	ACTIVITY Drilling.

OPERATOR	CONTRACTOR / RIG	COUNTRY
MOONIE OIL N. L. (Santos)	O.D.& E. Mereenie Rig 1	AUSTRALIA
REPORT FOR	REPORT FOR	TOWNSHIP
B. GRINKE	N. SCUTCHEON	ALICE SPRINGS
WELL NAME AND NO.	FIELD OR BLOCK NO.	LOCATION
EAST MEREENIE 37	OL 5 MEREENIE	AMADEUS BASIN, N.T.

BIT DATA

Size 8.500 ins		
Type F50D		
Nozzles 32nds		
12	12	12
Noz Area 0.33 ins²		
TFA ins²		
NV m/sec 84.6		
Impact lb f 363		

DRILLING STRING

	OD ins	ID ins	Length m
Pipe 1	4.5	3.83	1193.3
Pipe 2	4.5	2.77	55.42
Pipe 3			
Col 1	6.25	2.81	240.26
Col 2			

OPEN HOLE SECTIONS

Sect 1	9.875	576.22
Sect 2		
Current	8.5	222

CASINGS

Size ins		Depth m
Riser	Set @	
16	Set @	23.47
10.75	Set @	690.78
	Set @	
	Set @	
	Set @	
	Set @	
Liner	Set @	
	Toc @	

PUMP DATA

Pump Make	ins	x ins	Eff %	bbl/stk	spm	bbl/min
EMSCO F800	6	9	97	0.076	90	6.84
EMSCO F800	6	9	97	0.076		
Pump Press 1500 psi			TOTAL bbl/min			6.84

MUD VOL	bbl	CIRCULATING DATA		
Downhole	405	Total circ 112 mins	AV	m/min
Active	360	Bottoms up 50 mins	DP	27.8
Total Circ	765	Surface–bit 9 mins	DC	64.6
Reserve	75	ECD ppg ERR	Riser	

MUD PROPERTIES

Sample Location	IN or OUT	IN			
Time Sample Taken	hrs	23:30			
Depth	m	1489			
Flowline Temp	°C				
Weight	ppg	8.80			
Funnel Viscosity	sec/qt	50			
Plastic Viscosity	cP	19			
Yield Point	lb/100 ft²	11			
Gels 10 sec/10min/30 min	lb/100 ft²	5/10/–			
API Filtrate	ml/30min	5.0			
HPHT Filtrate	ml/30min				
API/HPHT Filter Cake	32nd ins	1/–			
Solids	% Vol	1.2			
Dissolved Salts	% Vol	3.0			
Oil/Water Content	% Vol	–/95.8			
Sand	% Vol	0.5			
Methylene Blue cap	ppb	8			
pH	meter	8.0			
Alk. Mud Pm	ml	0.37			
Alk. Filtrate, Pf/Mf	ml	0.01/0.20			
Chlorides	mg/Lx10³	34.0			
Total Hardness/Calcium	mg/L	200/200			
KCL	% Wt Soln				
NaCl	% Wt Soln	5.5			
Rheometer	600 rpm/300 rpm	49/30			
lb/100 ft²	200 rpm/100 rpm				
	6 rpm/3 rpm				

MUD PROPERTY SPECIFICATIONS

WEIGHT	ppg	VIS	sec	YP	lb/100 ft²
API Filt	ml	HTHP	ml	KCL	%
BY AUTHORITY					

REMARKS

Mixed a total pit vol. of 798 bbl 5% NaCl/EZ MUD/Polymer mud.

Displaced well to NaCl/EZ MUD/Polymer mud in kill operation after pumping a 30 bbl water cushion.

Mixed and pumped a 20 sack weighted NaCl pill.

Began mixing premix No. 1 with 8ppb AQUAGEL.

ACTIVITY

Survey. Shut in well, build up pressure.
Conduct well kill.
Circ. Bottoms Up. Pump Hwt pill.
POOH.
RIH to 1431 m. Ream from 1431 to 1465 m.
Drill from 1465 to 1489 m.

INVENTORY AND CONSUMPTION

PRODUCT DESCRIPTION		USED	REC	BAL	COST
AQUAGEL,sx	25 kg	131		89	1951.9
BARACIDE	25 kg	1		2	501.75
Bicarbonate	25 kg	1		5	23.38
Caustic Soda	25 kg	4		36	137
DEXTRID	25 kg	60		46	2916.6
EZ MUD (liq)	19 lt	19		38	1407.33
PAC–R	50 lb	15		29	1957.05
Salt, Flossey Fine	25 kg	303		134	2663.37
Soda Ash	25 kg	3		7	56.8

MUD TYPE Air/Mist/Foam

SOLIDS CONTROL EQUIPMENT

	Make	screen size	hrs			
Shaker 1		B50/B80	11.5			
Shaker 2						
Shaker 3						
Shaker 4						
	ppg	bbl/hr	hrs	bbl		
Desander	12.7	1	5	5		
Desilter						
Mud Cleaner 2.						
Centrifuge 1						
Centrifuge 2						
Solids Control Effic.			%			

CONSUMPTION	
Additions	**bbl**
Sea W.	
Drill W.	74
other	
other	
Barite	
Chemicals	41
Losses	**bbl**
Sol. Con.	5
Lost/Dumped	27
Down Hole	
Newhole	6
NET GAIN	83
Discharged	32

BAROID Engineer	OFFICE	WAREHOUSE
Chris Wallace	MELBOURNE	ALICE SPRINGS
Tel. 03–6213311	Fax. 03–621–3367	089–525463

DAILY COST	CUMULATIVE COST
$ 11617.18	$ 19830.02

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY BAROID DRILLING FLUIDS, INC OR IT'S AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

RESERVE PITS

NO	TYPE	bbl
1		
2	Gel	75
3		
4		
5		
6		
7		
8		

SURVEY DATA

MD m	TVD m	INCL°	DIR °	DISP m

SOLIDS ANALYSIS

Low Grav. Solids	% Vol	1.1
Low Grav. Solids	ppb	10.0
High Grav. Solids	% Vol	0.1
High Grav. Solids	ppb	1.5
ASG of Solids	g/cc	2.70
Cuttings Volume	bbl	6.0
Interval Dilution	bbl/m	1.5
Interval Consumption	bbl/m	2.1

TIME BREAKDOWN

	hrs
Drilling	8.5
Circulating	1
Reaming In	1.5
Reaming out	
Tripping	7.5
Surveys	0.5
Kill	3.5
Other	1.5
AVE ROP m/hr	2.82

Baroid Australia Pty Ltd.

MUD REPORT NO. 8 up to 24:00 hrs, 16/6/95	
DATE 17/6/95	DEPTH–m MD 1530 TVD
START DATE 9–Jun–95	ACTIVITY RIH.

OPERATOR	CONTRACTOR / RIG	COUNTRY
MOONIE OIL N. L. (Santos)	O.D.& E. Mereenie Rig 1	AUSTRALIA
REPORT FOR	REPORT FOR	TOWNSHIP
B. GRIINKE	N. SCUTCHEON	ALICE SPRINGS
WELL NAME AND NO.	FIELD OR BLOCK NO.	LOCATION
EAST MEREENIE 37	OL 5 MEREENIE	AMADEUS BASIN, N.T.

BIT DATA

Size 8.500 ins
Type F50D
Nozzles 32nds

12	12	12

Noz Area 0.33 ins²
TFA ins²
NV m/sec 78.0
Impact lb f 309

DRILLING STRING

	OD ins	ID ins	Length m
Pipe 1	4.5	3.83	1233.7
Pipe 2	4.5	2.77	55.42
Pipe 3			
Col 1	6.25	2.81	240.89
Col 2			

OPEN HOLE SECTIONS

Sect 1	9.875	576.22
Sect 2		
Current	8.5	263

CASINGS

Size ins		Depth m
Riser	Set @	
16	Set @	23.47
10.75	Set @	690.78
	Set @	
	Set @	
	Set @	
	Set @	
Liner	Set @	
	Top @	

PUMP DATA

Pump Make	ins	x ins	Eff %	bbl/stk	spm	bbl/min
EMSCO F800	6	9	97	0.076	83	6.308
EMSCO F800	6	9	97	0.076		

Pump Press 1500 psi TOTAL bbl/min 6.308

MUD VOL	bbl	CIRCULATING DATA		AV	m/min
Downhole	414	Total circ 130 mins			
Active	406	Bottoms up 55 mins		DP	38
Total Circ	820	Surface–bit 10 mins		DC	59.6
Reserve		ECD ppg	ERR	Riser	

MUD PROPERTIES

Sample Location	IN or OUT	IN		IN	
Time Sample Taken	hrs	11:00		17:30	
Depth	m	1519		1530	
Flowline Temp	°C	35		35	
Weight	ppg	8.80		8.80	
Funnel Viscosity	sec/qt	55		53	
Plastic Viscosity	cP	20		20	
Yield Point	lb/100 ft²	13		11	
Gels 10 sec/10min/30 min	lb/100 ft²	5/10/–		5/9/–	
API Filtrate	ml/30min	5.0		4.8	
HPHT Filtrate	ml/30min				
API/HPHT Filter Cake	32nd ins	1/–		1/–	
Solids	% Vol	1.2		1.2	
Dissolved Salts	% Vol	3.0		3.0	
Oil/Water Content	% Vol	–/95.8		–/95.8	
Sand	% Vol	0.8		1.0	
Methylene Blue cap	ppb	8		8	
pH	meter	8.5		8.5	
Alk. Mud Pm	ml	0.45		0.45	
Alk. Filtrate, Pf/Mf	ml	0.10/0.25		0.10/0.20	
Chlorides	mg/Lx10³	34.0		34.0	
Total Hardness/Calcium	mg/L	200/200		200/200	
KCL	% Wt Soln				
NaCl	% Wt Soln	5.4		5.4	
Rheometer	600 rpm/300 rpm	53/33		51/31	
lb/100 ft²	200 rpm/100 rpm				
	6 rpm/3 rpm				

MUD PROPERTY SPECIFICATIONS

WEIGHT	ppg	VIS	sec	YP	lb/100 ft²
API Filt	ml	HTHP	ml	KCL	%
BY AUTHORITY					

REMARKS

Added DEXTRID and PAC–R to premix for filtration control.

Transfer premix slowly to active.

Added 5 ppb BAROFIBRE fine to active to prevent seepage losses in the Pacoota P3–120/130.

Lost some mud over shakers when BAROFIBRE came across.

Mix and pump weighted NaCl pill.

ACTIVITY

Drill from 1489 to 1530 with surveys.
Circ. bottoms up.
Survey. Pump weighted pill. POOH.
RIH with bit 16.

INVENTORY AND CONSUMPTION

PRODUCT DESCRIPTION		USED	REC	BAL	COST
BARACOR–129	25 kg	2		18	142.66
BAROFIBRE, Fine	25 lb	160		180	9620.8
Caustic Soda	25 kg	1		35	34.25
DEXTRID	25 kg	6		40	291.66
PAC–R	50 lb	2		27	260.94
Salt, Flossey Fine	25 kg	20		114	175.8

MUD TYPE NaCl/EZ MUD/Polymer

SOLIDS CONTROL EQUIPMENT

	Make	screen size	hrs
Shaker 1		B50/B80	17.5
Shaker 2			
Shaker 3			
Shaker 4			

	ppg	bbl/hr	hrs	bbl
Desander	11.3	1	17.5	18
Desilter				
Mud Cleaner 2.				
Centrifuge 1				
Centrifuge 2				

Solids Control Effic. %

CONSUMPTION

Additions	bbl
Sea W.	
Drill W.	
other	
other	
Barite	
Chemicals	17

Losses	bbl
Sol. Con.	18
Lost/Dumped	19
Down Hole	
Newhole	9
NET LOSS	20
Discharged	37

BAROID Engineer	OFFICE	WAREHOUSE
Chris Wallace	MELBOURNE	ALICE SPRINGS
Tel. 03–6213311	Fax. 03–621–3367	089–525463

DAILY COST	CUMULATIVE COST
$ 10526.11	$ 30356.13

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY BAROID DRILLING FLUIDS, INC OR IT'S AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

RESERVE PITS

NO	TYPE	bbl
1		
2		
3		
4		
5		
6		
7		
8		

SURVEY DATA

MD m	TVD m	INCL°	DIR °	DISP m
1484.14	1389.51	30	204	
1523.13	1423.04	28.8	200.5	

SOLIDS ANALYSIS

Low Grav. Solids	% Vol	1.1
Low Grav. Solids	ppb	10.0
High Grav. Solids	% Vol	0.1
High Grav. Solids	ppb	1.5
ASG of Solids	g/cc	2.70
Cuttings Volume	bbl	9.0
Interval Dilution	bbl/m	1.5
Interval Consumption	bbl/m	2.0

TIME BREAKDOWN

	hrs
Drilling	15.5
Circulating	1
Reaming In	
Reaming out	
Tripping	6.5
Surveys	1
Other	
AVE ROP m/hr	2.65

Baroid Australia Pty Ltd.

MUD REPORT NO. 9	up to 24:00 hrs,	17/6/95	
DATE 18/6/95	DEPTH–m MD 1589	TVD	
START DATE 9–Jun–95	ACTIVITY Drilling.		

OPERATOR MOONIE OIL N. L. (Santos)	CONTRACTOR / RIG O.D.& E. Mereenie Rig 1	COUNTRY AUSTRALIA
REPORT FOR B. GRIINKE	REPORT FOR N. SCUTCHEON	TOWNSHIP ALICE SPRINGS
WELL NAME AND NO. EAST MEREENIE 37	FIELD OR BLOCK NO. OL 5 MEREENIE	LOCATION AMADEUS BASIN, N.T.

BIT DATA

Size 8.500 ins		
Type F50D		
Nozzles 32nds		
12	12	12
Noz Area 0.33 ins²		
TFA ins²		
NV m/sec	84.6	
Impact lb f	371	

DRILLING STRING

	OD ins	ID ins	Length m
Pipe 1	4.5	3.83	1292.7
Pipe 2	4.5	2.77	55.42
Pipe 3			
Col 1	6.25	2.81	240.89
Col 2			

OPEN HOLE SECTIONS

Sect 1	9.875	576.22
Sect 2		
Current	8.5	322

CASINGS

Size ins		Depth m
Riser	Set @	
16	Set @	23.47
10.75	Set @	690.78
	Set @	
	Set @	
	Set @	
	Set @	
Liner	Set @	
	Top @	

PUMP DATA

Pump Make	ins	x ins	Eff %	bbl/stk	spm	bbl/min
EMSCO F800	6	9	97	0.076	90	6.84
EMSCO F800	6	9	97	0.076		
Pump Press 1150 psi			TOTAL bbl/min			6.84

MUD VOL	bbl	CIRCULATING DATA			
Downhole	427	Total circ 110 mins		AV	m/min
Active	326	Bottoms up 52 mins		DP	41.3
Total Circ	753	Surface–bit 10 mins		DC	64.6
Reserve		ECD ppg	ERR	Riser	

MUD PROPERTIES

Sample Location	IN or OUT	IN		IN	
Time Sample Taken	hrs	9:00		21:00	
Depth	m	1554		1582	
Flowline Temp	°C	40		42	
Weight	ppg	8.90		9.00	
Funnel Viscosity	sec/qt	49		51	
Plastic Viscosity	cP	19		18	
Yield Point	lb/100 ft²	14		14	
Gels 10 sec/10min/30 min	lb/100 ft²	6/11/–		6/11/–	
API Filtrate	ml/30min	4.8		4.8	
HPHT Filtrate	ml/30min				
API/HPHT Filter Cake	32nd ins	1/–		1/–	
Solids	% Vol	2.1		3.0	
Dissolved Salts	% Vol	2.9		2.7	
Oil/Water Content	% Vol	–/95.0		–/94.3	
Sand	% Vol	0.8		0.5	
Methylene Blue cap	ppb	8		8	
pH	meter	8.5		8.5	
Alk. Mud Pm	ml	0.25		0.40	
Alk. Filtrate, Pf/Mf	ml	0.01/0.20		0.10/0.25	
Chlorides	mg/Lx10³	34.0		32.0	
Total Hardness/Calcium	mg/L	200/200		200/200	
KCL	% Wt Soln				
NaCl	% Wt Soln	5.4		5.4	
Rheometer	600 rpm/300 rpm	52/33		50/32	
lb/100 ft²	200 rpm/100 rpm				
	6 rpm/3 rpm				

MUD PROPERTY SPECIFICATIONS

WEIGHT	ppg	VIS	sec	YP	lb/100 ft²
API Filt	ml	HTHP	ml	KCL	%
BY AUTHORITY					

REMARKS

Added caustic soda to maintain pH.
Added BARACOR 129 to active to maintain sulfides.

Lime used for toilets, not to be charged to drilling.

Desilter motor under repair. Can only use desander or desilter.

ACTIVITY

RIH. Wash and ream from 1520 to 1530 m.
Drill from 1530 to 1589 m.

INVENTORY AND CONSUMPTION

PRODUCT DESCRIPTION		USED	REC	BAL	COST
BARACOR–129	25 kg	3		15	213.99
Caustic Soda	25 kg	3		32	102.75
Lime	20 kg	2			16.24
Soda Ash	25 kg	1		6	19.5

MUD TYPE NaCl/EZ MUD/Polymer

SOLIDS CONTROL EQUIPMENT

	Make	screen size	hrs
Shaker 1		B50/B80	23
Shaker 2			
Shaker 3			
Shaker 4			

	ppg	bbl/hr	hrs	bbl
Desander	13.3	0.7	23	16
Desilter				
Mud Cleaner 2.				
Centrifuge 1				
Centrifuge 2				
Solids Control Effic.				%

CONSUMPTION Additions	bbl
Sea W.	
Drill W.	
other	
other	
Barite	
Chemicals	1
Losses	**bbl**
Sol. Con.	16
Lost/Dumped	52
Down Hole	
Newhole	14
NET LOSS	67
Discharged	68

BAROID Engineer	OFFICE	WAREHOUSE
Chris Wallace	MELBOURNE	ALICE SPRINGS
Tel. 03–6213311	Fax. 03–621–3367	089–525463

DAILY COST	CUMULATIVE COST
$ 354.58	$ 30710.71

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RESERVE PITS

NO	TYPE	bbl
1		
2		
3		
4		
5		
6		
7		
8		

SURVEY DATA

MD m	TVD m	INCL°	DIR °	DISP m

SOLIDS ANALYSIS

Low Grav. Solids	% Vol	3.0
Low Grav. Solids	ppb	27.3
High Grav. Solids	% Vol	
High Grav. Solids	ppb	
ASG of Solids	g/cc	2.60
Cuttings Volume	bbl	14.0
Interval Dilution	bbl/m	1.5
Interval Consumption	bbl/m	2.0

TIME BREAKDOWN

	hrs
Drilling	22.5
Circulating	
Reaming In	0.5
Reaming out	
Tripping	1
Surveys	
Other	
AVE ROP m/hr	2.62

Baroid Australia Pty Ltd.

MUD REPORT NO. 10 up to 24:00 hrs, 18/6/95	
DATE 19/6/95	DEPTH–m MD 1600 TVD
START DATE 9–Jun–95	ACTIVITY POOH.

OPERATOR MOONIE OIL N. L. (Santos)	CONTRACTOR / RIG O.D.& E. Mereenie Rig 1	COUNTRY AUSTRALIA
REPORT FOR B. GRIINKE	REPORT FOR N. SCUTCHEON	TOWNSHIP ALICE SPRINGS
WELL NAME AND NO. EAST MEREENIE 37	FIELD OR BLOCK NO. OL 5 MEREENIE	LOCATION AMADEUS BASIN, N.T.

BIT DATA

Size 8.500 ins			
Type F50D			
Nozzles 32nds			
12	12	12	
Noz Area 0.33 ins²			
TFA ins²			
NV m/sec	84.6		
Impact lb f	371		

DRILLING STRING

	OD ins	ID ins	Length m
Pipe 1	4.5	3.83	1303.7
Pipe 2	4.5	2.77	55.42
Pipe 3			
Col 1	6.25	2.81	240.89
Col 2			

OPEN HOLE SECTIONS

Sect 1	9.875	576.22
Sect 2		
Current	8.5	333

CASINGS

Size ins		Depth m
Riser	Set @	
16	Set @	23.47
10.75	Set @	690.78
	Set @	
	Set @	
	Set @	
	Set @	
Liner	Set @	
	Top @	

PUMP DATA

Pump Make	ins	x ins	Eff %	bbl/stk	spm	bbl/min
EMSCO F800	6	9	97	0.076	90	6.84
EMSCO F800	6	9	97	0.076		

Pump Press 1150 psi TOTAL bbl/min 6.84

MUD VOL	bbl	CIRCULATING DATA		AV m/min
Downhole	429	Total circ 109 mins		
Active	317	Bottoms up 53 mins		DP 41.3
Total Circ	746	Surface–bit 10 mins		DC 64.6
Reserve		ECD ppg	ERR	Riser

MUD PROPERTIES

Sample Location	IN or OUT	IN			
Time Sample Taken	hrs	6:00			
Depth	m	1600			
Flowline Temp	°C	43			
Weight	ppg	9.00			
Funnel Viscosity	sec/qt	51			
Plastic Viscosity	cP	18			
Yield Point	lb/100 ft²	14			
Gels 10 sec/10min/30 min	lb/100 ft²	6/11/–			
API Filtrate	ml/30min	4.8			
HPHT Filtrate	ml/30min				
API/HPHT Filter Cake	32nd ins	1/–			
Solids	% Vol	3.0			
Dissolved Salts	% Vol	2.7			
Oil/Water Content	% Vol	–/94.3			
Sand	% Vol	0.8			
Methylene Blue cap	ppb	8			
pH	meter	8.5			
Alk. Mud Pm	ml	0.40			
Alk. Filtrate, Pf/Mf	ml	0.10/0.25			
Chlorides	mg/Lx10³	32.0			
Total Hardness/Calcium	mg/L	200/200			
KCL	% Wt Soln				
NaCl	% Wt Soln	5.4			
Rheometer	600 rpm/300 rpm	50/32			
lb/100 ft²	200 rpm/100 rpm				
	6 rpm/3 rpm				

MUD PROPERTY SPECIFICATIONS

WEIGHT	ppg	VIS	sec	YP	lb/100 ft²
API Filt	ml	HTHP	ml	KCL	%
BY AUTHORITY					

REMARKS

Mixed NaCl weighted pill with 28 sacks.

Baroid mud engineer departing AM. today.

ACTIVITY

Run survey.
Drill from 1589 to TD of 1600 m.
Circ. bottoms up. Pump pill.
POOH to log.

INVENTORY AND CONSUMPTION

PRODUCT DESCRIPTION		USED	REC	BAL	COST
Salt, Flossey Fine	25 kg	28		86	246.12

MUD TYPE NaCl/EZ MUD/Polymer

SOLIDS CONTROL EQUIPMENT

Make	screen size	hrs
Shaker 1	B50/B80	5.5
Shaker 2		
Shaker 3		
Shaker 4		

	ppg	bbl/hr	hrs	bbl
Desander	13.2	0.9	5.5	5
Desilter				
Mud Cleaner 2.				
Centrifuge 1				
Centrifuge 2				

Solids Control Effic. %

CONSUMPTION

Additions	bbl
Sea W.	
Drill W.	
other	
other	
Barite	
Chemicals	2
Losses	**bbl**
Sol. Con.	5
Lost/Dumped	4
Down Hole	
Newhole	3
NET LOSS	7
Discharged	9

BAROID Engineer	OFFICE	WAREHOUSE
Chris Wallace	MELBOURNE	ALICE SPRINGS
Tel. 03–6213311	Fax. 03–621–3367	089–525463

DAILY COST	CUMULATIVE COST
$ 246.12	$ 30956.83

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RESERVE PITS

NO	TYPE	bbl
1		
2		
3		
4		
5		
6		
7		
8		

SURVEY DATA

MD m	TVD m	INCL°	DIR °	DISP m
1580.88		27.5	207.5	

SOLIDS ANALYSIS

Low Grav. Solids	% Vol	3.0
Low Grav. Solids	ppb	27.3
High Grav. Solids	% Vol	
High Grav. Solids	ppb	
ASG of Solids	g/cc	2.60
Cuttings Volume	bbl	3.0
Interval Dilution	bbl/m	1.5
Interval Consumption	bbl/m	1.9

TIME BREAKDOWN

	hrs
Drilling	4.5
Circulating	1
Reaming In	
Reaming out	
Tripping	
Surveys	0.5
Other	
AVE ROP m/hr	2.44

Santos

SANTOS DRILLING BIT SUMMARY

WELL:	EAST MEREENIE 36	**Latitude:**	24o 00' 3.7" S	**K.B.:**	732 m	**Contractor:**	OD&E
Spud Date:	08:00 hrs 23/ 4/95	**Longitude:**	131o 35' 22.7"E	**G.L.:**	726 m	**Rig No.:**	MJV #1
Release Date:	12:00 hrs 23/ 05/ 95	**Pump Type:**	F-800	**T.D.:**	1483.8 m (TVD) 1653 m (MD)	**Rig:**	OIME SL750

BIT DATA								OVERALL BIT PERFORMANCE						BIT PERFORMANCE BY INTERVAL						DRILLING PARAMETERS					MUD			DULL CONDITION							
TRIP	BIT				IADC	SERIAL		DEPTH				CUM			DEPTH				CUM									CUT. STRUCT.							
No.	No.	SIZE	MAKE	TYPE	CODE	No.	JETS	IN	OUT	ETER	HRS	HRS	ROP	FORMATION	IN	OUT	METERS	HRS	HRS	ROP	WOB	RPM	DEV	PSI	GPM	WT	YP	PV	I	O	DC	LOC	B/S	G	ODC	POH
1	1	9.88	SMITH	IMPAX				0	28	28	1.0	1.0	27.5	PARKE SILTSTONE	0	28	28	1.0	1.0	28.0	1	20	0	200	2400cfm						10 % WEAR ON BIT					
2	2	17.50		H/O				0	28	28	1.0	2.0	27.5	MEREENIE SANDSTONE	28	28	0	1.0	2.0	0.0	1	20	0	200	2400cfm						10 % WEAR ON BIT					
3	3	13.56	SMITH	IMPAX		KJ 6405	PORTS	28	346	319	20.0	22.0	15.9	MEREENIE SANDSTONE	28	346	319	20.0	22.0	15.9	7	20	0.75	235	3200cfm						50 % WEAR ON BIT					
4	4	13.50	HUGHES	ATJ44	6-1-7	PV807	OPEN	346	490	144	28.0	50.0	5.1	MEREENIE SANDSTONE	346	490	144	28.0	50.0	5.1	45	55	0.75	250	3200cfm				7	6	FC	A	E	1/16	BT	HR
5	5	13.50	HUGHES	ATJ 55	6-3-7	D16PE	OPEN	490	622	132	28.5	78.5	4.6	MEREENIE SANDSTONE	490	568	78	19.5	69.5	4.0	45	55	1	450	3200cfm				5	7	FC	A	E	1/16	LC	HR
														CARMICHEAL	568	622	54	9.0	78.5	6.0															
6	6	13.50	HUGHES	ATJ11H	4-3-7	K75PW	OPEN	622	714	92	11.5	90.0	8.0	CARMICHEAL	622	654	32	4.0	82.5	8.0	35	55	3	250	3200cfm				4	4	WT	A	E	I	NO	TD
														UPPER STOKES	654	714	60	7.5	90.0	8.0															
7	7	9.88	HUGHES	ATM IIH	4-4-7	K05PY	OPEN	714	965	251	17.0	107.0	14.8	UPPER STOKES	714	883	169	12.0	102.0	14.1	25	70	26	210	2400cfm				3	3	ER	A	E	I	NO	HR
														LOWER STOKES	883	965	82	5.0	107.0	16.4															
8	8	9.88	SMITH	F4OD	6-1-7	LA3731	OPEN	965	1092	127	14.0	121.0	9.1	UPPER STAIRWAY	965	1020	55	8.5	115.5	6.5	40	88	26	240	2400cfm				4	7	BT	G	E	I	FC	HR
														MIDDLE STAIRWAY	1020	1092	72	5.5	121.0	13.1															
9	9	9.88	SMITH	F4OD	6-1-7	LA4006	OPEN	1092	1224	132	7.5	128.5	17.6	MIDDLE STAIRWAY	1092	1166	74	4.5	125.5	16.4	50	40	27	240	2400cfm				4	7	BT	G	E	I	FC	HR
														LOWER STAIRWAY	1166	1224	58	3.0	128.5	19.3															
10	10	8.50	SMITH	F3OD	5-3-7	LA6647	OPEN	1224	1280	56	4.5	133.0	12.4	LOWER STAIRWAY	1224	1230	3	2.0	130.5	1.5	50	50	37.5	240	2400cfm				2	7	BT	G	E	I	RG	LOG
														HORN VALLEY SILTSTONE	1230	1280	50	2.5	133.0	20.0															
11	10	8.50	SECURITY	M89TFD	6-2-7	630848	OPEN	1280	1371	91	9.0	142.0	10.1	HORN VALLEY SILTSTONE	1280	1309	29	3.0	136.0	9.7	42	50	37.5	270	2400cfm				3	5	RG	G	E	I/16	WT	HR
														PACOOTA P1	1309	1371	62	6.0	142.0	10.3															
12	12	8.50	SMITH	F5OD	6-2-7	LC4353	OPEN	1371	1421	50	6.5	148.5	7.7	PACOOTA P1	1371	1398	27	3.5	139.5	7.7	42	50	38	1100	303	8.7	10.0	12.0	3	7	BT	G	E	I	FC	RR
														TOP P1 - 280	1398	1421	23	3.0	145.0	7.7															
13	13	8.50	SMITH	F5OD	6-2-7	LC8177	12-12-12	1421	1461	40	8.0	156.5	5.0	PACOOTA P2	1421	1461	40	8.0	156.5	5.0	40	50	38.5	1100	303	8.7	10.0	12.0	4	8	BT	G	E	I/16	FC	HR
14	14	8.50	SMITH	F5OD	6-2-7	LC8179	12-12-12	1461	1520	59	23.5	180.0	2.5	PACOOTA P2	1461	1497	36	13.5	170.0	2.7	40	50	40.8	1150	303	8.9	10.0	11.0	5	8	BT	G	E	I/32	FC	HR
														PACOOTA P3	1497	1520	23	10.0	180.0	2.3															
15	15	8.50	SMITH	F7OD	7-3-7	KX0975	12-12-12	1520	1581	61	28.5	208.5	2.1	PACOOTA P3	1520	1533	13	6.5	186.5	2.0	40	65	42	1150	303	9.0	11.0	13.0	6	6	FC	A	E	I/16	RG	HR
														TOP P3-120/130	1533	1552	19	7.5	194.0	2.5															
														BASE P3 120/130	1552	1575	23	13.5	207.5	1.7															
														TOP P3-230/250	1575	1581	6	1.0	208.5	6.0															
16	16	8.50	SMITH	F57OD	6-3-7	LC0650	12-12-12	1581	1633	52	19.5	228.0	2.7	TOP P3-230/250	1581	1593	12	3.8	212.3	3.2	45	50	46.1	1250	303	9.0	12.0	13.0	8	8	ER	A	E	I/16	RG	HR
														BASE P3 - 230 / 250	1593	1633	40	15.8	228.0	2.5															
17	17	8.50	SMITH	F57OD	6-3-7	LC0649	12-12-12	1633	1653	20	6.5	234.5	3.1	PACOOTA P4	1633	1653	20	6.5	234.5	3.1	45	55	46.5	1275	303	9.0	12.0	13.0	7	7	BT	A	E	I/16	FC	TD

Santos

SANTOS DRILLING BIT SUMMARY

WELL:	EAST MEREENIE 37	**Latitude:**	24° 00' 31.42" S	**K.B.:**	731m	**Contractor:**	O D & E
Spud Date:	2300 hrs, 27 / 05 / 95	**Longitude:**	131° 36' 14.23" E	**G.L.:**	725m	**Rig No.:**	MJV #1
Release Date:	1800 hrs, 20 / 06 /95	**Pump Type:**	F-800	**T.D.:**	1491 m (TVD) 1600m m (MD)	**Rig:**	OIME SL750

BIT DATA								OVERALL BIT PERFORMANCE						BIT PERFORMANCE BY INTERVAL								DRILLING PARAMETERS					MUD			DULL CONDITION							
TRIP	BIT				IADC	SERIAL		DEPTH				CUM			DEPTH				CUM											CUT. STRUCT.							
No.	No.	SIZE	MAKE	TYPE	CODE	No.	JETS	IN	OUT	ETER	HRS	HRS	ROP	FORMATION	IN	OUT	METERS	HRS	HRS	ROP	WOB	RPM	DEV	PSI	GPM	WT	YP	PV	I	O	DC	LOC	B/S	G	ODC	POH
1	1	9.88	SMITH	IMPAX				0	34	34	2.0	2.0	17.0	PARKE SILTSTONE	0	34	34	2.0	2.0	17.0	1	20	0	200	2400cfm						10 % WEAR ON BIT					
2	2	17.50		H/O		26723	PORTS	0	34	34	7.5	9.5	4.5	MEREENIE SANDSTONE	0	34	34	7.5	9.5	4.5	1	20	0	200	3200cfm						10 % WEAR ON BIT					
3	3	13.56	SMITH	IMPAX		KJ 6405	PORTS	34	302	268	17.0	26.5	15.8	MEREENIE SANDSTONE	34	302	268	17.0	26.5	15.8	7	20	1	240	3200cfm						75 % WEAR ON BIT					
4	4	13.50	HUGHES	ATJ55	6.3.7	B74PX	OPEN	302	443	141	24.5	51.0	5.8	MEREENIE SANDSTONE	302	443	141	24.5	51.0	5.8	45	55	0.75	240	3200cfm				5	7	FC	M	E	I/16	BT	HR
5	5	13.50	HUGHES	ATJ 55	6.3.7	B79PX	OPEN	443	507	64	16.0	67.0	4.0	MEREENIE SANDSTONE	443	507	64	16.0	67.0	4.0	45	55	0.75	240	3200cfm				7	8	BT	A	F	I/8	LC	HR
6	6	13.50	HUGHES	ATJ55	6.3.7	K23PX	OPEN	507	625	118	21.0	88.0	5.6	MEREENIE SANDSTONE	507	541	34	7.0	74.0	4.9	35	65	1	300	3200cfm				3	4	BT	G	E	I/16	LC	HR
														CARMICHEAL	541	614	73	12.0	86.0	6.1	35	65	1	300	3200cfm				3	4	BT	G	E	I/16	LC	HR
														UPPER STOKES	614	625	11	2.0	88.0	5.5																
7	7	13.50	HUGHES	ATM IIH	4.3.7	K21PX	OPEN	625	692	67	8.0	96.0	8.4	UPPER STOKES	625	692	67	8.0	96.0	8.4	35	65	2.25	300	3200cfm				4	6	BT	M	E	I	NO	HR
8	8	9.88	HUGHES	ATM11H	4.3.7	L89PB	OPEN	692	951	259	16.5	112.5	15.7	UPPER STOKES	692	857	165	8.0	104.0	20.6	30	60	25.2	230	2400cfm				3	7	BT	G	E	I	NO	HR
														LOWER STOKES	857	934	77	4.5	108.5	17.1	40	88	26	240	2400cfm											
														UPPER STAIWAY	934	951	17	4.0	112.5	4.3																
9	9	9.88	SMITH	MF30D	5.3.7	LD0117	OPEN	951	1051	100	14.0	126.5	7.1	MIDDLE STAIRWAY	951	999	48	6.5	119.0	7.4	30	85	35.8	240	2400cfm				4	8	BT	G	E	I	FC	HR
														MIDDLE STAIRWAY	999	1051	52	7.5	126.5	6.9																
10	10	9.88	SMITH	MF30D	5.3.7	LD0119	OPEN	1051	1162	111	8.0	134.5	13.9	MIDDLE STAIRWAY	1051	1115	64	4.0	130.5	16.0	40	70	33.6	250	2400cfm				4	8	BT	G	F	I	RG	HR
														LOWER STAIRWAY	1115	1162	47	4.0	134.5	11.8																
11	10	9.88	SMITH	MF30D	5.3.7	LD0122	OPEN	1162	1245	83	11.0	145.5	7.5	LOWER STAIRWAY	1162	1203	41	4.5	139.0	9.1	30	90	30.5	260	2400cfm				4	8	RG	G	E	I	FC	LOG
														HORN VALLEY	1203	1245	42	6.5	145.5	6.5																
12	12	9.88	SMITH	MF30D	5.3.7	LD0120	OPEN	1245	1267	22	1.5	147.0	14.7	HORN VALLEY	1245	1267	22	1.5	147.0	14.7	20	80	31	200	2400				3	3	CT	G	E	I	NO	BHA
13	13	8.50	SMITH	F50D	6.2.7	LC8180	OPEN	1267	1340	73	6.5	153.5	11.2	HORN VALLEY	1267	1278	11	1.0	148.0	11.0	35	75	31	310	2400cfm				4	8	BT	G	E	I/16	FC	HR
														PACOOTA P1	1278	1340	62	5.5	153.5	11.3																
14	14	8.50	SMITH	F50D S	6.2.7	LC4352	OPEN	1340	1465	125	14.0	167.5	8.9	PACOOTA - P1	1340	1391	51	6.0	159.5	8.5	35	75	30.7	320	3200cfm				5	7	BT	G	E	I	FC	HR
														PACOOTA - P2	1391	1462	71	7.5	167.0	9.5																
														PACOOTA P3-10	1462	1465	3	0.5	167.5	6.0																
15	15	8.50	SMITH	F50D	6.2.7	LC8178	12/12/12	1465	1530	65	24.0	191.5	2.7	PACOOTA P3 120/130	1465	1514	49	18.0	185.5	2.7	38	70	28.8	1550	265	8.8	20.0	18.0	6	8	BT	G	E	I/32	FC	HR
														PACOOTA P3 -150	1514	1525	11	4.0	189.5	2.8																
														PACOOTA P3 -190	1525	1530	11	2.0	191.5	5.5																
16	16	8.50	SMITH	F50D	6.2.7	LC8195	12/12/12	1530	1600	70	27.0	218.5	2.6	PACOOTA P3 -190	1530	1536	6	2.0	193.5	3.0	38	60	27.5	1250	303	8.9	18.0	14.0	7	8	FC	A	E	I/32	CT	TD
														PACOOTA P3 - 230 / 250	1536	1551	15	5.5	199.0	2.6																
														PACOOTA P4	1551	1600	50	19.5	218.5	2.5																

Baroid Australia Pty Ltd.

COMPANY MOONIE OIL N. L. (Santos)
WELL EAST MEREENIE 36
LOCATION AMADEUS BASIN, N.T.
CONT/RIG O.D.& E. Mereenie Rig 1

SOLIDS CONTROL and MUD VOLUME ANALYSIS

SOLIDS CONTROL		13-May	14-May	15-May							1995 TOTALS
Shaker 1	Screens	B50/B80	B50/B80	B50/B80							
	Hrs	21	17	18.5							107.5
Shaker 2	Screens										
	Hrs										
Shaker 3	Screens										
	Hrs										
Shaker 4	Screens										
	Hrs										
Desander	U/F ppg										
Demco 4x6"	bbl/hr										
	Hrs										
	bbl										30
											44
Desilter	U/F ppg	12.7	12.7	12.4							
Demco 12x4"	bbl/hr	1	1	1.9							
	Hrs	20	16	18.5							58.5
	bbl	20	16	35							76
Mud Cleaner 2.	U/F ppg										
	bbl/hr										
	Hrs										
	bbl										
Centrifuge 1	Feed ppg										
Baroid	O/F ppg										
	U/F ppg										
	bbl/hr										
	Hrs										
	bbl										
Centrifuge 2	Feed ppg										
	O/F ppg										
	U/F ppg										
	bbl/hr										
	Hrs										
	bbl										

VOLUMES bbl		13-May	14-May	15-May							
Downhole Volume		423	426	487							
Initial Reserve		89	12	43							
Added:	Act Mud										
	Seawater										
	Drill-Water		30								1437
	other										
	other										
	Chemical	1	1								45
Final Reserve		12	43	12							
Initial Active		315	324	295							
Added:	Res Mud	78		31							1470
	Seawater										
	Drill-Water										1965
	other										
	other										
	Chemical	2	3	3							36
Losses:	Solids Control	20	16	35							120
	Lost/Dumped	33	8	15							2631
	DownHole	10	5	4							19
Final Active		324	295	214							
Total Final Volume		336	338	226							

DILUTION										
Interval Type										
Depth m	1556	1588	1633							
Daily drilled m	36	32	45							1633
Daily Dilution bbl	63	29	54							2770
Daily Consumption bbl	3	34	3							3483
Interval Drilled m	1556	1588	1633							
Interval Dilution bbl	1877	1906	1960							
Rate bbl/m	1.21	1.2	1.2							
Interval Consumption bbl	2636	2670	2673							
Rate bbl/m	1.69	1.68	1.64							

Baroid Australia Pty Ltd.

COMPANY MOONIE OIL N. L. (Santos)
WELL EAST MEREENIE 36
LOCATION AMADEUS BASIN, N.T.
CONT/RIG O.D.& E. Mereenie Rig 1

SOLIDS CONTROL and MUD VOLUME ANALYSIS

SOLIDS CONTROL		03-May	04-May	05-May	06-May	07-May	08-May	09-May	10-May	11-May	1995 12-May
Shaker 1	Screens							B60/B80	B80/B100	B80/B100	B50/B80
	Hrs								15	16.5	19.5
Shaker 2	Screens										
	Hrs										
Shaker 3	Screens										
	Hrs										
Shaker 4	Screens										
	Hrs										
Desander	U/F ppg										
Demco 4x6"	bbl/hr									12.3	11.2
	Hrs									1.4	1.5
	bbl									11	19
Desilter	U/F ppg									15	29
Demco 12x4"	bbl/hr										12
	Hrs										1.2
	bbl										4
Mud Cleaner 2.	U/F ppg										5
	bbl/hr										
	Hrs										
	bbl										
Centrifuge 1	Feed ppg										
Baroid	O/F ppg										
	U/F ppg										
	bbl/hr										
	Hrs										
	bbl										
Centrifuge 2	Feed ppg										
	O/F ppg										
	U/F ppg										
	bbl/hr										
	Hrs										
	bbl										

VOLUMES bbl		03-May	04-May	05-May	06-May	07-May	08-May	09-May	10-May	11-May	12-May
Downhole Volume		272	302	336	357	367	335	395	400	407	415
Initial Reserve						97	362	603	785	81	29
Added:	Act Mud										
	Seawater										
	Drill-Water				497	362	233	158	75		82
	other										
	other								-		
	Chemical				6		8	24	1	3	1
Final Reserve					97	362	603	785	81	29	89
Initial Active										370	374
Added:	Res Mud				406	97			780	55	23
	Seawater										
	Drill-Water	1035	180	180	165	30	150	225			
	other										
	other										
	Chemical		16	4	1		1	1	2	2	1
Losses:	Solids Control									15	34
	Lost/Dumped	1035	196	184	215	484	151	226	12	31	41
	DownHole										
Final Active									370	374	315
Total Final Volume					97	362	603	785	451	403	404

DILUTION										
Interval Type										
Depth m	965	1092	1208	1280	1280	1371	1421	1447	1479	1520
Daily drilled m	965	127	116	72		91	50	26	32	41
Daily Dilution bbl	1035	196	184	215	484	151	226	12	46	75
Daily Consumption bbl	1035	196	184	669	392	392	408	78	5	84
Interval Drilled m	965	1092	1208	1280	1280	1371	1421	1447	1479	1520
Interval Dilution bbl	1035	421	605	820	1304	1455	1681	1693	1739	1814
Rate bbl/m	1.07	0.39	0.5	0.64	1.02	1.06	1.18	1.17	1.18	1.19
Interval Consumption bbl	1035	421	605	1274	1666	2058	2466	2544	2549	2633
Rate bbl/m	1.07	0.39	0.5	1	1.3					

Baroid Australia Pty Ltd.

COMPANY MOONIE OIL N. L. (Santos)

WELL EAST MEREENIE 36

WATER BASE MUD PROPERTIES

YEAR 1995

		15/05	
Sample Location	IN or OUT	IN	IN
Time Sample Taken	hrs	9:30	22:00
Depth	m	1615	1633
Hole Size	ins	8.5	8.5
Flowline Temp	°C	43	43
Weight	ppg	9	9
Funnel Viscosity	sec/qt	41	41
600 rpm	lb/100 ft²	38	38
300 rpm	lb/100 ft²	25	25
200 rpm	lb/100 ft²		
100 rpm	lb/100 ft²		
6 rpm	lb/100 ft²		
3 rpm	lb/100 ft²		
Plastic Viscosity	cP	13	13
Yield Point	lb/100 ft²	12	12
Gel – 10 sec	lb/100 ft²	3	3
Gel – 10 min	lb/100 ft²	8	7
Gel – 30 min	lb/100 ft²		
API Filtrate	ml/30min	5	5
API Filter Cake	32nd ins	1	1
HPHT Filtrate	ml/30min		
HPHT Filter Cake	32nd ins		
HPHT Temp	°F		
Solids	% Vol		
	% Vol		
Water	% Vol		
Sand	% Vol	0.5	0.5
Methylene Blue cap	ppb	8	8
pH	meter	9	9
Alk. Mud Pm	ml	0.2	0.25
Alk. Filtrate Pf	ml	0.07	0.08
Alk. Mf	ml	0.25	0.23
Chlorides	mg/Lx10³	29.5	29.5
Total Hardness	mg/L	340	340
Calcium	mg/L		
KCL	% Wt Soln		
NaCl	% Wt Soln	5	5

Baroid Australia Pty Ltd.

COMPANY MOONIE OIL N. L. (Santos)

WELL EAST MEREENIE 36

WATER BASE MUD PROPERTIES

Page 1

YEAR 1995

		03/05	03/05	03/05	06/05	06/05	06/05	09/05	10/05		11/05		12/05		13/05		14/05	
Sample Location	IN or OUT				LOG			PITS	OUT	IN	IN	IN	IN	IN	IN	IN	IN	IN
Time Sample Taken	hrs				20:30			17:00	13:00	22:30	10:00	22:30	10:00	20:30	08:30	22:00	10:30	23:00
Depth	m				1200			1405	1421	1443	1461	1474	1504	1520	1522	1553	1573	1586
Hole Size	ins				9.87			8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
Flowline Temp	°C									35	36	38	41	41	42	43	43	43
Weight	ppg				8.5			8.7	8.7	8.7	8.8	8.8	8.9	8.9	8.9	9	9	9
Funnel Viscosity	sec/qt				26			43	44	44	44	44	42	42	42	41	41	42
600 rpm	lb/100 ft²							34	41	34	34	34	34	32	34	34	35	35
300 rpm	lb/100 ft²							22	29	22	22	22	22	21	23	24	23	23
200 rpm	lb/100 ft²																	
100 rpm	lb/100 ft²																	
6 rpm	lb/100 ft²																	
3 rpm	lb/100 ft²																	
Plastic Viscosity	cP							12	12	12	12	12	12	11	11	10	12	12
Yield Point	lb/100 ft²							10	17	10	10	10	10	10	12	14	11	11
Gel – 10 sec	lb/100 ft²								3	3	3	4	3	3	3	4	3	3
Gel – 10 min	lb/100 ft²								5	6	5	8	8	9	8	8	8	9
Gel – 30 min	lb/100 ft²																	
API Filtrate	ml/30min				NC			5.4	5.8	5.4	5.6	5.2	5.4	5.6	5.4	5	5.2	5.2
API Filter Cake	32nd ins				1			1	1	1	1	1	1	1	1	1	1	1
HPHT Filtrate	ml/30min																	
HPHT Filter Cake	32nd ins																	
HPHT Temp	°F																	
Solids	% Vol																	
	% Vol																	
Water	% Vol																	
Sand	% Vol							0.25	0.25	0.5	0.5	0.4	0.25	0.25	0.25	0.25	0.5	0.5
Methylene Blue cap	ppb							8	8	8	8	8	8	8	8	8	8	8
pH	meter				9			10.5	10	10	10	10.5	10	10	9	9	9	9
Alk. Mud Pm	ml							0.75	0.7	0.7	0.6	0.65	0.4	0.42	0.25	0.3	0.3	0.25
Alk. Filtrate Pf	ml				0.1			0.15	0.2	0.22	0.15	0.15	0.1	0.15	0.05	0.05	0.07	0.05
Alk. Mf	ml				0.2			0.3	0.35	0.35	0.35	0.33	0.3	0.3	0.25	0.25	0.25	0.25
Chlorides	mg/Lx10³				14			24.5	25	25	25	25	29	29	29.5	29	29	30
Total Hardness	mg/L				400			200	200	200	200	200	260	260	300	300	360	360
Calcium	mg/L				400			200	200	200	200	200	260	260				
KCL	% Wt Soln																	
NaCl	% Wt Soln				2.3			4.5	5	5	5	5	5	5	5	5	5	5

TOUR SHEETS

RIG NUMBER TWENTY FOUR — OIL DRILLING & EXPLORATION LIMITED GROUP — No. 38

WELL NAME & No.	DATE	DAY OF	MONTH	COUNTRY	REPORT No.	ACCIDENT FREE DAYS @ 2400HRS.
EAST MEREENIE 37	SAT 27	MAY	95	AUSTRALIA	1	96

OPERATOR: SANTOS

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

CONTRACTOR: OIL DRILLING + EXPLORATION

SIGNATURE OF OD+E TOOLPUSHER: [signature]

D.P. SIZE	WT	GRADE	TOOL JT. O.D	THREAD TYPE
4½	16.6	E	6¼	41F

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6	9
2	EMSCO	F800	6	9

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT

STOCK ON HAND AT RIG SITE					
ENGINE OIL	180	LTRS	HYD OIL	310	
DISTILLATE : REC'D	LTRS	GEAR OIL	500	LTRS	OXY. 2
DISTILLATE : RIG	LTRS 29500	RIG USED	500	LTRS	ACET 1
DISTILLATE : CAMP	LTRS 5270	CAMP USED	300	LTRS	NITRO 3

Time Distributions - Hours		
Rig Up & Tear Down	5½	11
Drilling Actual		½
Reaming		
Coring		
Cond. Mud & Circulate		
Trips		
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey		
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
W.E.D.	6½	
OTHER		½
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addit		
TOTAL	12	12

Drilling Assembly at End of Tour	No.	
BIT		
DC'S		
I.D. O.D		
DC'S		
I.D. O.D		
DC'S		
I.D. O.D		
Stands D.P.		
Singles D.P.		
Kelly Down		
TOTAL		
WT. OF String		

BIT RECORD			
Bit No.			
Size			
Mfg.			
Type			
Nozzles			
Size			
Ser. No.			
Depth Out			
Depth in			
Total Drilled			
Total Hrs. Run			
Condition T./B/Gage			
Stab			
Jars			
Shock Sub			
Corr. Ring			

MUD RECORD			
Time	0200	0400	0600
Weight PPG			
Visc Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Mud & Chemicals Added			
Type		Amt.	

DRILLER: [signature]

DEPTH DRILLED From	To	DR-D RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres.	PUMP 1 Liner Size	SPM	PUMP 2 Liner Size	SPM	Method Sngl & Par-ell-P

Diviation Record	Depth	Dev	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
00^00	0630	6½	WAIT ON DAYLIGHT
0630			INSTALL FLOOR PLATES
			INSTALL BREAK LINK TO RIG
			FLOOR TIE BRIDLE LINES
			IN MAST RAISE DOG HOUSE
			INSTALL ROTARY CHAIN GARD.
	1200	5½	GENERAL RIG UP.

MEETING / DRILLS	
B.O.P. Drill	
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	

PARTS USED:

DP @ 1200 HRS.

LOC: DRK:

STRING: RACK:

TOTAL:

DAY TOUR	
CREW	NAME
T.P.	WAYNE SCHAFER
DRLR.	W MASON
A.D.	/
DRK. MAN	S. MCCONNACHY
L'FLR. MAN	H WALSH
FLR. MAN	O. KAESLER
FLR. MAN	J. AMOS
FLR. MAN	
R. ABOUT	S. SINCLAIR
R. ABOUT	
MECH.	
ELECT.	
WELDER	
PLANT OP:	

BIT RECORD			
Bit No.	1		
Size	9⅞		
Mfg.	-		
Type	MPA		
Nozzles			
Size			
Ser. No.			
Depth Out	17		
Depth in	0		
Total Drilled	17		
Total Hrs. Run	½		
Condition T./B/Gage		-	
Stab			
Jars			
Shock Sub			
Core Ring			

Drilling Assembly at End of Tour	No.	
BIT	BIT & HA	1.27
	1 x/o	.29
	1 STD	1.46
DC'S		
	1 STD	2.00
I.D. O.D		
	1 x/o	.60
DC'S		
I.D. O.D		
DC'S		
I.D. O.D		
Hvy. Wt.		
Stands D.P.		
Singles D.P.		
Kelly Down		2.00
TOTAL		17.62
WT. OF String		

MUD RECORD			
Time	1400	1600	1800
Weight PPG			
Visc Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Mud & Chemicals Added			
Type		Amt.	

DRILLER: [signature]

DEPTH DRILLED From	To	DR-D RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres.	PUMP 1 Liner Size	SPM	PUMP 2 Liner Size	SPM	Method Sngl & Par-ell-P
0	17	D		17	302	-		2400				

Diviation Record	Depth	Dev	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12^00			RIG VEE DOOR & CATWALKS, RACKS
			RUN CONTROL LINES, RIG DRIVE SHAFTS
			RIG ROTARY CHAIN, RIG STD PIPE
			R.U. SWIVEL & KELLY
	0815	9	RUN GEO & SURVEY LINES
0815	23^00	2	M.U. 9⅞ PILOT HOLE ASMB
23^00	23^30	½	DRILL 9⅞ PILOT HOLE T/- 17
23^30	24^00	½	NIP UP KELLY, RIG OUT CELLAR

MEETING / DRILLS	
B.O.P. Drill	
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	RIGGING UP

PARTS USED:
1 x 3" CAMLOK SEAL
1 x DOPE BRUSH
1 x 9⅞ STAB RBR

D.P. @ 2400 HRS

LOC: 174 DRK:

STRING: - RACK:

TOTAL:

EVENING TOUR	
CREW	NAME
T.P.	
DRLR.	KEN MALONE
A.D.	
DRK. MAN	GARY FREST
L'FLR. MAN	SIMON LINNETT
FLR. MAN	SEAN OLOUNS
FLR. MAN	MICK TIDSWELL
FLR. MAN	
R. ABOUT	MATT PIERCE
R. ABOUT	

TOOLPUSHER NOTES

TIME SUMMARY (Office Use Only)	
"A" Rate	
"B" Rate	
"C" Rate	
"D" Rate	
Total Day Work	

WIRE LINE RECORD	
Reel No	
No. of Lines	8 Size 1⅛
Slipped	-
Cut off	
Present Length	1600
Dist Since Last Cut	165
Cumulative Dist	2990
No. of Days from Spud	14

RIG NUMBER — OIL DRILLING & EXPLORATION LIMITED GROUP — No. 38

WELL NAME & No.	EAST MORELENIE #37	DATE	JUN 28	DAY OF MONTH	MAY 95
COUNTRY	AUSTRALIA	REPORT No.	2	ACCIDENT FREE DAYS @ 2400HRS.	97
OPERATOR	SANTOS	CONTRACTOR	OIL DRILLING & EXPLORATION		
SIGNATURE OF OPERATOR'S REPRESENTATIVE	[signature]	SIGNATURE OF OD + E. TOOL PUSHER	[signature]		

DP SIZE	WT	GRADE	TOOL JT OD	THREAD TYPE
4 1/2	16.6	E	6 1/8	4IF

	MFG	TYPE	LINER	STROKE
1	CONT EMSCO	F-800	6	9
2	CONT EMSCO	F-800	6	9

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT

STOCK ON HAND AT RIG SITE					
ENGINE OIL	310	LTRS	HYD. OIL	610	LTRS
GEAR OIL	710	LTRS	OXY	7	
RIG USED	2025	LTRS	ACET.	4	
CAMP USED	300	LTRS	NITRO	4	

DISTILLATE : REC'D LTRS
DISTILLATE : RIG LTRS 27565
DISTILLATE : CAMP LTRS 4790

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual	2 1/2	3
Reaming		
Coring		
Cond. Mud & Circulate		
Trips		
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey		
Wireline logs		
Run Casing & Cement		4
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
MOUSE RATT	2 1/2	
OTHERS	7	5
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addit		
TOTAL	12	12

TIME SUMMARY (Office Use Only)

"A" Rate		
"B" Rate		
"C" Rate		
"D" Rate		
Total Day Work		

WIRE LINE RECORD

Reel No	
No. of Lines	8 Size 1/8
Slipped	—
Cut off	—
Present Length	1600
Dist Since Last Cut	179
Cumulative Dist	22212
No. of Days from Spud	2

No.	Drilling Assembly at End of Tour	
1	BIT	0.25
1	STAB	2.31
1	HAMER	1.40
1	DC'S STAB	2.08
	I.D. O.D.	
1	BIT 34A	0.66
1	X/O	0.62
	DC'S	
	I.D. O.D.	
	DC'S	
	I.D. O.D.	
	Stands D.P.	
	Singles D.P.	
	Kelly Down	4.68
	TOTAL	12
	WT. OF String	10,000

BIT RECORD		
Bit No.	1	2
Size	9 7/8	17 1/2
Mfg	IMPAK	
Type	IPAX	
Nozzles		
Size		
Ser. No.		
Depth Out	34	12
Depth In	17	0
Total Drilled	17	
Total Hrs. Run	2 1/2	1/2
Condition T./B/Gage		
Stab		
Jars		
Shock Sub		
Core Barrel		

MUD RECORD			
Time	0200	0400	0600
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt

DRILLER: N. McEAR

DEPTH DRILLED From	To	DRD RM R Core C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres.	PUMP 1 Liner Size	SPM	PUMP 2 Liner Size	SPM	Method Bit Performance
17	34	D			40	3	A/R					

Diviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000	0030	1/2	LAY OUT PILOT HOLE ASSY.
0030	0230	2	SERVICE HAMER AND RIG UP
			TO DRILL RAT HOLE.
0230	0400	1 1/2	DRILL RAT HOLE INSTALL SOCK.
0400			RIG UP AND DRILL MOUSE HOLE
	0500	1	INSTALL SAME RIG DOWN
0500	0530	1/2	PICK UP HAMER AND BIT
			STAB.
0530	0730	2	DRILL 9 7/8 HOLE F 17M - 34M
0730			SHOVEL OUT CUTTINGS FROM
	0800	1/2	CELLAR
0800	0930	1 1/2	LAY OUT 9 7/8 BHA.
0930	1130	2	MAKE UP 17 1/2 BHA
1130	1200	1/2	OPEN PILOT HOLE F 9 7/8 TO 17 1/2 HOLE
			DRILL F 34M TO 12M.

BIT RECORD		
Bit No.	2	
Size	17 1/2	
Mfg		
Type	IMPAX	
Nozzles		
Size		
Ser. No.		
Depth Out	34	
Depth In	0	
Total Drilled	34	
Total Hrs. Run	3 1/2	
Condition T./B/Gage		
Stab		
Jars		
Shock Sub		
Core Barrel		

Drilling Assembly at End of Tour	
BIT HAMR	1.40
B.SUB	.66
STAB	2.31
DC'S STAB	2.08
I.D. O.D.	
1 x 8"	9.16
STAB	2.29
DC'S 1 x 8"	9.14
I.D. O.D.	
X/O	.62
DC'S	
I.D. O.D.	
Hvy. Wt.	
Stands D.P.	
Singles D.P.	
Kelly Down	6.34
TOTAL	34
WT. OF	

MUD RECORD			
Time	1400	1600	1800
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER:

DEPTH DRILLED From	To	DRD RM R Core C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres.	PUMP 1 Liner Size	SPM	PUMP 2 Liner Size	SPM	Method Bit Performance
12	34	D			30	5	150	2400	CFM			

Diviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12:00	12:30	1/2	CLEAN CUTTINGS F/- CELLAR
12:30	13:00	1/2	RACK KELLY & MAKE 8" CONN
13:00	14:30	1 1/2	DRILL 17 1/2 HOLE-OPENER F/- 12 - 24
14:30	15:00	1/2	CLEAN CUTTINGS F/- CELLAR
15:00	16:00	1	DRILL 17 1/2 HOLE-OPENER F/- 24 - 28
16:00			CLEAN CUTTINGS F/- CELLAR
	16:30	1/2	INSTALL FOURTH COMPRESSOR F/- OILTOOLS
16:30	17:00	1/2	RACK KELLY & MAKE 8" CONN
17:00	17:30	1/2	DRILL 17 1/2 HOLE-OPENER F/- 28 - 34
17:30	18:00	1/2	CLEAN CUTTINGS F/- CELLAR
18:00	20:00	2	L.O. 17 1/2 ASMB
20:00	22:00	2	P.U. 16 CONDUCTOR* (WELD SAME)
22:00	24:00	2	* WORK CONDUCTOR.
			* WORK TIGHT HOLE W/- COND

MEETING / DRILLS

B.O.P. Drill
H_2S Drill
Fire Drill
Search & Rescue
Safety Meeting

PARTS USED:

DP @ 1200 HRS
LOC: DRK:
STRING: RACK:
TOTAL:

MEETING / DRILLS

B.O.P. Drill
H_2S Drill
Fire Drill
Search & Rescue
Safety Meeting HOLD SAFETY MTG W/- 2x CREWS. CM + T.P + SERVICE HANDS.

PARTS USED:

D.P. @ 2400 HRS
LOC: DRK:
STRING: RACK:
TOTAL:

DAY TOUR

CREW	NAME
T.P.	WAYNE SCHAFER.
DRLR.	BILL MASON
A.D.	
DRK. MAN	SHANE McCONNACHY
L'FLR. MAN	HAAGAN WALSH
FLR. MAN	JAMES AMOS
FLR. MAN	OWEN KAESLER
FLR. MAN	
R. ABOUT	STEVE SINCLAIR
R. ABOUT	
MECH.	STAN MASON
ELECT.	PETER CHERRY
WELDER	MICK TIRIMACCO
PLANT OP:	

EVENING TOUR

CREW	NAME
T.P.	
DRLR.	KEN MALONE
A.D.	
DRK. MAN	GARY FREST
L'FLR. MAN	SIMON LINNETT
FLR. MAN	SEAN OLAUS
FLR. MAN	MICK TIDSWELL
FLR. MAN	
R. ABOUT	MATT PIERCE
R. ABOUT	

TOOLPUSHER NOTES

H[illegible]MBE[illegible] [illegible]OIL[illegible]LL[illegible] & [illegible]LO[illegible]TIO[illegible]IMI[illegible] G[illegible]UP [illegible]000 385 No. 3[illegible]

TWENTY FOUR

WELL NAME & No. EAST MEREENIE | DATE: MAY 29 | DAY OF: MAY | M[illegible] 19[illegible] | COUNTRY: AUSTRALIA | REPORT No. 3 | ACCIDENT FREE DAYS @ 2400HRS. 98

OPERATOR: OIL DRILLING + EXPLORATION

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Tom Kelmeier

CONTRACTOR

SIGNATURE OF OD+E TOOL PUSHER

D.P. SIZE	WT	GRADE	TOOL JT O.D	THREAD TYPE
4½	16.6	E	6¼	41F

	MFG.	TYPE	LINER	STROKE
1	EMSCO	FB800	6	9
2	EMSCO	FB800	6	9

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT

STOCK ON HAND AT RIG SITE

ENGINE OIL	300	LTRS	HYD. OIL	600	LTRS		
DISTILLATE: REC'D	LTRS	GEAR OIL	710	LTRS	OXY.	7	
DISTILLATE: RIG	LTRS 24853	RIG USED	2712	LTRS	ACET.	4	
DISTILLATE: CAMP	LTRS 4480	CAMP USED	300	LTRS	NITRO	4	

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual		
Reaming	3	1
Coring		
Cond. Mud & Circulate		
Trips		
Lubricate Rig		✓
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey		
Wireline logs		
Run Casing & Cement		2½
Waiting on Cement		7½
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
CONDUCT	8	
OTHERS	1	1½
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addl		
TOTAL	12	12

TIME SUMMARY (Office Use Only): "A" Rate / "B" Rate / "C" Rate / "D" Rate / Total Day Work

WIRE LINE RECORD: Reel No. 8 | No. of Lines 8 | Size 1½ | Slipped – | Cut off – | Present Length 600 | Dist. Since Last Cut 193 | Cumulative Dist. 22026 | No. of Days from Spud 3

No.	Drilling Assembly at End of Tour	
1	Bit 17½	0.40
1	R/548	0.90
1	DC 8 (ID OD)	9.14
1	8	8.96
1	Y/10	0.62
	DC'S (ID OD)	
	DC'S (ID OD)	
	Stands D.P.	
	Singles D.P.	
	Kelly Down	
	TOTAL	
	WT. OF String	

BIT RECORD

Bit No.	3	
Size	17½	
Mfg.	HTC	
Type	J4	
Nozzles	OPEN	
Size		
Ser. No.	485604	
Depth Out	34	
Depth in	10	
Total Drilled	24	
Total Hrs. Run	3	
Condition T./B/Gage	REAMING	
Stab		
Jars		
Shock Sub		
Corr. Ring		

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added: Type / Amt.

DRILLER: [illegible]

DEPTH DRILLED

From	To	DRD RM R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Press	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Washout Stop & Repair
10	34	R			160	1	AIR.					

Diviation Record: Depth / Dev. / Direction / Depth / Dev. / Direction / Depth / Dev. / Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000	0200	2	WORK CONDUCTOR @ TIGHT SPOT.
0200	0300	1	LAY OUT CONDUCTOR.
0300	0330	½	MAKE UP 17½" BIT
0330	0530	2	REAM F 10M TO 34M
0530	0600	½	CLEAN CELLAR. RACK B/C IN MAST
0600	0730	1½	RUN CONDUCTOR
0730	1000	2½	WORK CONDUCTOR AT TIGHT SPOT @ 22M FILL UP WITH WATER WORK CONDUCTOR LAY OUT CONDUCTOR
1000	1100	1	MAKE UP BIT AND REAM F 19M TO 31M.

MEETING / DRILLS

B.C.P. Drill	
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	HANDLING CONDUCTOR.

PARTS USED:

D.P. @ 1200 HRS. | LOC: | DRK: | STRING: | RACK: | TOTAL

DAY TOUR

CREW	NAME
T.P.	WAYNE SCHAFER
DRLR.	BILL MASON
A.D.	
DRK. MAN	SHANE McCONNACHY
L'FLR. MAN	HAPGAN WALSH
FLR. MAN	JAMES AMOS
FLR. MAN	OWEN KAESLER
FLR. MAN	
R. ABOUT	STEVE SINCLAIRE
R. ABOUT	
MECH.	STAN MASON
ELECT.	PETER CHERRY
WELDER	MICK TIAIMAICO
PLANT OP.	

BIT RECORD

Bit No.		
Size	17½	
Mfg.	HTC	
Type	J4	
Nozzles	OPEN	
Size		
Ser. No.	485604	
Depth Out		
Depth in	REAM	
Total Drilled		
Total Hrs. Run		
Condition T./B/Gage		
Stab		
Jars		
Shock Sub		
Core Ring		

	Drilling Assembly at End of Tour	
	Bit	
	DC'S (ID OD)	27.26
3	8"	
	DC'S (ID OD)	
	DC'S (ID OD)	
	Hvy. Wt.	
	Stands D.P.	
	Singles D.P.	
	Kelly Down	
	TOTAL	
	WT. OF String	

MUD RECORD

Time	1400	1600	1800
Weight PPG.			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG.			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added: Type / Amt.

DRILLER

DEPTH DRILLED

From	To	DRD RM R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Press	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Washout Stop & Repair
31	34	R		3	100	–	160	7400	KPA			

Diviation Record: Depth / Dev. / Direction / Depth / Dev. / Direction / Depth / Dev. / Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12[illegible]	13[illegible]	1	REAM 17½ HOLE F/ 31 - 34
13[illegible]	13[illegible]	½	CLEAN CUTTINGS FR CELLAR & RACK BACK DC'S
13[illegible]			RUN 16" CONDUCTOR (WELD SAME)
	15[illegible]	2	MAKE UP @ 44M
15[illegible]	16[illegible]	1	RIG TURNBUCKLES & CENTRALIZE COND
16[illegible]	16[illegible]	½	GET 16" COND
16[illegible]			W.O.C (TOP UP COND)
			INSTALL ROT. HD FLANGE
			INSTALL ROT HD & FIRST BLOOEY LINE
	24[illegible]	7½	NIPPLE UP SAME

MEETING / DRILLS

B.O.P. Drill	
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	SCAFFOLDING

PARTS USED:

D.P. @ 2400 HRS | LOC: | DRK: | STRING: | RACK:

EVENING TOUR

CREW	NAME
T.P.	
DRLR.	KEN MALONE
A.D.	
DRK. MAN	GARY REST
L'FLR. MAN	SEAN WINKETT
FLR. MAN	SEAN OGILVIE
FLR. MAN	NICK THOMSEN
FLR. MAN	
R. ABOUT	MATT PIERCE
R. ABOUT	

TOOLPUSHER NOTES

RIG NUMBER TWENTY FOUR — OIL WELL & EXPLORATION LIMITED GROUP — 385 7... — No. 3...

WELL NAME & No	EAST MEREEMIE 37	DATE: TUE 30	DAY OF MAY	MO 9 95	COUNTRY: AUSTRALIA
REPORT No. 4	ACCIDENT FREE DAYS @ 2400HRS.				

OPERATOR: SANTOS

CONTRACTOR: OIL DRILLING & EXPLORATION

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF OD+E TOOLPUSHER: [signature]

DP SIZE	WT	GRADE	TOOL JT. OD	THREAD TYPE
4½	16.6	E	6½	41F

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6	9
2	EMSCO	F800	6	9

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT

STOCK ON HAND AT RIG SITE					
ENGINE OIL	270	LTRS	HYD. OIL	600	LTRS
GEAR OIL	710	LTRS	OXY.	6	
RIG USED	1020	LTRS	ACET.	4	
CAMP USED	300	LTRS.	NITRO.	4	

DISTILLATE: REC'D LTRS
DISTILLATE: RIG LTRS 23833
DISTILLATE: CAMP LTRS 4180

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual		4½
Reaming		
Coring		
Cond. Mud & Circulate		
Trips		3
Lubricate Rig		✓
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey		1.1
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.	10	
Test B.O.P.		
Drill Stem Test		
Fishing		
BHA	2	
OTHER		3½
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addit		
TOTAL	12	12

TIME SUMMARY (Office Use Only)

"A" Rate		
"B" Rate		
"C" Rate		
"D" Rate		
Total Day Work		

WIRE LINE RECORD

Reel No	8
No. of Lines	8 Size 1½
Slipped	–
Cut off	
Present Length	1600
Dist Since Last Cut	207
Cumulative Dist	22240
No. of Days from Spud	4

Drilling Assembly at End of Tour

No.		
	BIT	
	DC'S I.D. O.D.	
	DC'S I.D. O.D.	
	DC'S I.D. O.D.	
	Stands D.P.	
	Singles D.P.	
	Kelly Down	
	TOTAL	
	WT. OF String	

BIT RECORD

Bit No.	
Size	13 9/16
Mfg.	SMITH
Type	IMPAX
Nozzles	OPEN
Size	—
Ser. No.	6405
Depth Out	
Depth in	
Total Drilled	
Total Hrs. Run	
Condition T/B/Gage	
Stab	
Jars	
Shock Sub	
Corr. Ring	

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc Sec.			
W.L. C.C.			
FLTR.			
PH			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER: W. Mason

DEPTH DRILLED

From	To	DR-D RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Bkgd & Peak

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
000	0700	7	CONT NIPPLE UP ROTATING HEAD
0700	0900	2	INSTALL BLUEY LINE. MEASURE
0900	1000	1	AND CALIPER B.H.A
1000	1030	½	LAY OUT 3 X 8" D/C
1030	1200	1½	PICK UP 12" SQUARE D/C SERVICE
			HAMMER MAKE UP BIT AND
			HAMMER TO SQUARE D/C

MEETING / DRILLS

B.O.P. Drill	
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	

PARTS USED:

* REARRANGE 2 JNTS OF THE BLOOIE LINE.

DP @ 1200 HRS
LOC: DRK:
STRING: RACK:
TOTAL:

DAY TOUR

CREW	NAME
T.P.	WAYNE SHAFER.
DRLR.	BILL MASON
A.D.	
DRK. MAN	SHANE MCCONNACY
L'FLR. MAN	HAGAN WALSH
FLR. MAN	JAMES AMOS
FLR. MAN	OWEN KAESLER
FLR. MAN	
R. ABOUT	STEVE SINCLAIRE
R. ABOUT	
MECH.	STAN MASEN
ELECT.	PETER CHERRY
WELDER	MICK TAIMAICO
PLANT OP:	

EVENING TOUR

CREW	NAME
T.P.	
DRLR.	KEN MALONE
A.D.	
DRK. MAN	GARY PRIEST
L'FLR. MAN	SIMON LINNETT
FLR. MAN	MICK TIDWELL
FLR. MAN	SEAN OGLANS
FLR. MAN	
R. ABOUT	MATT PIERCE
R. ABOUT	

TOOLPUSHER NOTES

NIPPED UP KELLY ✓

Drilling Assembly at End of Tour

No.		
	BIT HMR	1.40
1	sq dc	9.17
3	8"	45.03
1	x/o I.D. O.D.	.65
	7"	8.84
1	x/o	.60
	DC'S	
3	HWT I.D. O.D.	27.89
	DC'S I.D. O.D.	
	Hvy. Wt.	
	Stands D.P.	
	Singles D.P.	
	Kelly Down	12.00
	TOTAL	105.63
	WT. OF String	94 Rbr 4½

BIT RECORD

Bit No.	3
Size	13 9/16
Mfg.	SMITH
Type	IMPAX
Nozzles	OPEN
Size	
Ser. No.	6405
Depth Out	–
Depth in	34
Total Drilled	71
Total Hrs. Run	4½
Condition T/B/Gage	1/4
Stab	
Jars	
Shock Sub	

MUD RECORD

Time	1400	1600	1800
Weight PPG			
Visc Sec			
W.L. C.C.			
FLTR.			
PH			
SAND %			
Time			
Weight PPG			
Visc Sec.			
W.L. C.C.			
FLTR.			
PH			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER: [signature]

DEPTH DRILLED

From	To	DR-D RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Bkgd & Peak
23	34			CITT	25	5	1/6	2400	cfm			
34	105	D		71	20	5	1/6	3200	cfm			

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	39	½		57	1°				

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1230	1730	½	P.U 1x HWT, x/o & KELLY
1730			ATTEMPT INSTALL ROT RUBBER w/- NEOPRENE SEAL
	1830	1	M.U STEEL SPEAR & INSTALL RUBBER: OK
1830	1530	2	BLOW HOLE DRY - AIR HAMMER - DRILL CITT f/- 23
1530	1600	½	AIR HAMMER - DRILL 13 9/16 HOLE f/- 34 - 41
1600	1630	½	BLOW CLEAN & SURVEY @ 39 ½°
1630	1700	½	AIR HAMMER - DRILL 13 9/16 HOLE f/- 41 - 51
1700	1800	1	L.O. 3x HWT + P.U. 3x 8"
1800	1830	½	AIR HAMMER - DRILL 13 9/16 HOLE f/- 51 - 59
1830	1900	½	BLOW CLEAN & SURVEY @ 57 1°
1900	2000	1	AIR HAMMER DRILL 13 9/16 HOLE f/- 59 - 78
2000	2100	1	L.O. 3x HWT & P.U 3x 8" & 1x 7"
2100	2300	2	AIR HAMMER DRILL 13 9/16 HOLE f/- 78 - 105
2300	2400	1	L.O. 3x HWT & P.U 3x 7"

MEETING / DRILLS

B.O.P. Drill	
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	HOUSE KEEPING
	CHECK COM.
	SERVICE RIG

PARTS USED:

23	
3x	BALL PEINS
2x	SLEDGES
1x	PAIR GLOVES
1x 20 x 6	SPEC GREASE
1x 4½	SYDCO RBR
9x	TOTCO FEATHERS

D.P. @ 2400 HRS
LOC: DRK:
STRING: RACK:

OIL DRILLING & EXPLORATION LIMITED GROUP

TWENTY FOUR

ACR 000 385

No.

WELL NAME & No.	EAST MEREENIE #37	DATE: 31	DAY OF MAY	19 95	COUNTRY AUSTRALIA
REPORT No.	5				
OPERATOR	SANTOS	CONTRACTOR	OIL DRILLING + EXPLORATION		
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF OD + E TOOL PUSHER			

DP SIZE	WT	GRADE	TOOL JT. O.D	THREAD TYPE
4½	16.6	E	6⅝	4IF

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6	9
2	EMSCO	F800	6	9

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT

ACCIDENT FREE DAYS @ 2400HRS. 100

STOCK ON HAND AT RIG SITE

ENGINE OIL	270	LTRS	HYD. OIL	600	LTRS
GEAR OIL	710	LTRS	OXY.	5	
RIG USED	6569	LTRS	ACET.	4	
CAMP USED	300	LTRS.	NITRO	4	

DISTILLATE: REC'D LTRS

DISTILLATE: RIG LTRS 17264

DISTILLATE: CAMP LTRS 3880

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual	9½	4
Reaming		
Coring		
Cond. Mud & Circulate		
Trips		1½
Lubricate Rig		✓
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey	½	½
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
OTHER BHA	2	1
		5
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addit		
TOTAL	12	12

TIME SUMMARY (Office Use Only)

"A" Rate		
"B" Rate		
"C" Rate		
"D" Rate		
Total Day Work		

WIRE LINE RECORD

Reel No	8
No. of Lines	8 Size 1⅛
Slipped	-
Cut off	-
Present Length	1600
Dist Since Last Cut	252
Cumulative Dist	22765
No. of Days from Spud	5

Drilling Assembly at End of Tour

No.			
1	BIT	13⅜	0.18
1	HAMMER		1.40
1	SQUARE		9.17
5	DC'S ID	8" OD	45.08
1	X/O		0.65
9	DC'S ID	7" OD	81.92
1	X/O		0.60
	DC'S ID	OD	
6	HW		55.42
1	Stands D.P.		
2	Singles D.P.		48.13
	Kelly Down		11.61
	TOTAL		254
	WT. OF String		70,000

BIT RECORD

Bit No.	3	
Size	13⅜	
Mfg.		
Type	IMPAX	
Nozzles	OPEN	
Size		
Ser. No.	6405	
Depth Out		
Depth In	34	
Total Drilled	220	
Total Hrs. Run	13	
Condition T./B/Gage	1/1	
Stab		
Jars		
Shock Sub		
Collar	16	

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER W. Mason

DEPTH DRILLED

From	To	DRD RM-R Core C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Mudmot Bvd-S Pressure
105	254	D		149	20	7	AIR					

Diviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	102	¼							

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000	030	½	RUN SURVEY @ 102M. ¼
0030	0230	2	DRILL 13⅜ HOLE F105M - 132M
0230	0330	1	LAY OUT 3 HW PICK UP 3 D/C
0330	0530	2	DRILL 13⅜ HOLE F 132 - 160M
0530	0630	1	LAY OUT 3 HW PICK UP 2 D/C
0630	1200	5½	DRILL FROM 160M - 254M

MEETING / DRILLS

B.O.P. Drill	
H^2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	AIR DRILLING
	CHECK O.O.M

PARTS USED:

ROTATING HRS 9½
BHA 12 HRS
DRILL PIPE 4 HRS

DP @ 1200 HRS.

LOC:		DRK:	
STRING:	5	RACK:	15
TOTAL:			

DAY TOUR

CREW	NAME
T.P.	WAYNE SCHAFER
DRLR.	BILL MASON
A.D.	
DRK. MAN	SHANE McCONNACHY
L'FLR. MAN	HAAGAN WALSH
FLR. MAN	JAMES AMOS
FLR. MAN	OWEN KAESLER
FLR. MAN	
R. ABOUT	STEVE SINCLAIRE
R. ABOUT	
MECH.	STAN MASON
ELECT.	PETER CHERRY
WELDER	MICK TIAMAICO
PLANT OP:	

EVENING TOUR

CREW	NAME
T.P.	
DRLR.	KEN MALONE
A.D.	
DRK. MAN	GARY REST
L'FLR. MAN	SIMON LINNETT
FLR. MAN	SEAN OLDING
FLR. MAN	MICK TIDWELL
FLR. MAN	
R. ABOUT	MATT PIERCE
R. ABOUT	

TOOLPUSHER NOTES

BIT RECORD

Bit No.	3	4
Size	13⅜	13½
Mfg.	-	HTC
Type	IMPAX	ATJ 55
Nozzles	OPEN	OPEN
Size		
Ser. No.	6405	B74 PX
Depth Out	302	-
Depth In	34	302
Total Drilled	268	-
Total Hrs. Run	17	-
Condition T./B/Gage		
Stab		
Jars		
Shock Sub	#1	#2
Collar	20	-

MUD RECORD

Time	1400	1600	1800
Weight PPG			
Visc Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER

DEPTH DRILLED

From	To	DRD RM-R Core C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Mudmot Bvd-S Pressure
254	302	D		48	20	7	⅝	3800	40			

Diviation Record	Depth	Dev	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	252	1°							

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12⁰⁰	12³⁰	½	DRILL 13⅜ HOLE F/ 254 - 257
12³⁰	13⁰⁰	½	BROW CLEAN & SURVEY @ 252 1°
13⁰⁰	16⁰⁰	3½	DRILL 13⅜ HOLE F/ 257 - 302
16³⁰	17⁰⁰	½	CHANGE OUT KOT RUBBER
17⁰⁰	18³⁰	1½	POH F/ ASMB CHANGE
18³⁰	19⁰⁰	½	BRK & L.O. HAMMER
19⁰⁰			CALIPER & P.U. NEW BHA
	24⁰⁰	5	RIH W/ BIT #4, P.U 9 x 6½ DC

MEETING / DRILLS

B.O.P. Drill	
H^2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	KOT RUBBER
	SERVICE RIG
	CHECK C.O.M

PARTS USED:

1 x 4½ S1000 BOX

D.P. @ 2400 HRS

LOC:	163	DRK:	10
STRING:	-	RACK:	1

RIG NUMBER TWENTY FOUR — OIL DRILLING & EXPLORATION LIMITED GROUP — ACN 000 385 704 — NO. 38

WELL NAME & No. EAST MERGENE # 37	DATE THUR 1	DAY JUNE	MONTH 1995	COUNTRY AUSTRALIA	REPORT No. 6
OPERATOR SANTOS	CONTRACTOR OIL DRILLING AND EXPLORATION				ACCIDENT FREE DAYS @ 2400HRS. 101
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF OD+E. TOOL PUSHER				

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	16"	CONDUCTOR					23.47

STOCK ON HAND AT RIG SITE					
ENGINE OIL	270	LTRS	HYD. OIL	600	LTRS
DISTILLATE : REC'D	14850 LTRS	GEAR OIL	710	LTRS	OXY. 5
DISTILLATE : RIG	26353 LTRS	RIG USED	5761	LTRS	ACET. 3
DISTILLATE : CAMP	3580 LTRS	CAMP USED	300	LTRS	NITRO. 4

DP SIZE	WT	GRADE	TOOL JT. O.D.	THREAD TYPE
4½	16.6	E	6⅜	4IF

	MFG	TYPE	LINER	STROKE
1	EMSCO	F800	6	9
2	EMSCO	F800	6	9

Time Distributions - Hours		
Rig Up & Tear Down		
Drilling Actual	10½	12
Reaming		
Coring		
Cond. Mud & Circulate		
Trips	½	
Lubricate Rig		✓
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey	½	
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
KELLY	½	
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addit		
TOTAL	12	12

TIME SUMMARY (Office Use Only)	
"A" Rate	
"B" Rate	
"C" Rate	
"D" Rate	
Total Day Work	

WIRE LINE RECORD	
Reel No	8
No. of Lines	8 Size 1½
Slipped	-
Cut off	-
Present Length	1600
Dist. Since Last Cut	256
Cumulative Dist.	22289
No. of Days from Spud	6

No.	Drilling Assembly at End of Tour	
1	BIT 13½	0.33
1	SQUAR	9.17
1	STAB	1.80
1	DC'S 8" I.D. O.D.	8.96
1	STAB	2.31
3	8" DC	27.25
1	DC'S.	0.46
1	SHOCK SUB	2.74
1	X8	9.87
1	X/O	0.65
9	X7	81.94
1	DC'S X/O I.D. O.D.	0.60
9	6¼	82.36
6	HW	55.42
4	Stands D.P.	145.58
	Singles D.P.	
	Kelly Down	1.56
	TOTAL	401
	WT. OF String	92000

BIT RECORD	
Bit No.	4
Size	13½
Mfg.	HTC
Type	ATJ 55
Nozzles	9 9 9
Size	
Ser. No.	874 PX
Depth Out	
Depth In	302
Total Drilled	99
Total Hrs. Run	10½
Condition T./B/Gage	1N
Stab	
Jars	
Shock Sub	
Corr. Ring	

MUD RECORD			
Time	0200	0400	0600
Weight PPG			
Visc Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER: W. Mason

DEPTH DRILLED From	To	DRD RU-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	SPM	PUMP 2 Liner Size	SPM	Method Single Parallel
302	401	D		99	55	45	A/R	220	PS1			

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000	0130	½	LAY OUT EXCESS DRILL PIPE
0130	0200	½	PICK UP KELLY BLOW HOLE.
0100	1130	10½	DRILL 13½ HOLE F 302 m - 401 m
1130	1200	½	RUN SURVEY @ 399 m 3/4 DEGREE

10½ HRS ON ROTATTING RUBBER AND LEKRINE

PARTS USED:

DP @ 1200 HRS.

LOC	154	DRK	—
STRING	12	RACK	8
TOTAL	174		

MEETING / DRILLS

B.O.P. Drill
H^2S Drill
Fire Drill
Search & Rescue
Safety Meeting

DAY TOUR CREW	NAME	HR
T.P.	WAYNE SHAFER	
DRLR.	BILL MASON	
A.D.		
DRK. MAN	SHANE MCCONNACHY	1
L'FLR. MAN	HAACAN WALSH	1
FLR. MAN	JAMES AMOS	1
FLR. MAN	OWEN KAESLER	1
FLR. MAN		
R. ABOUT	STEVE SINCLAIR	1
R. ABOUT		
MECH.	STAN MASON	
ELECT.	PETER CHERRY	
WELDER	MICK TIAMAICO	1
PLANT OP:		

BIT RECORD	
Bit No.	4
Size	13½
Mfg.	HTC
Type	ATJ 55
Nozzles	9 9 9
Size	
Ser. No.	874 PX
Depth Out	-
Depth In	302
Total Drilled	106
Total Hrs. Run	22½
Condition T./B/Gage	1N
Stab	
Jars	
Shock Sub	
Corr. Ring	

No.	Drilling Assembly at End of Tour	
	BIT 13½	.33
1	Sqdc	9.17
1	Stb	1.80
1	DC'S 8" I.D. O.D.	8.96
1	Stb	2.31
3	8"	27.25
1	DC'S DPS I.D. O.D.	.46
1	Shock	2.74
1	8"	9.87
1	X/O	.65
9	DC'S 8"	81.94
1	X/O I.D. O.D.	.60
9	6¼	82.36
6	Hvy. Wt.	55.42
5	Stands D.P.	144.45
	Singles D.P.	
	Kelly Down	
	TOTAL	438
	WT. OF	

MUD RECORD			
Time	1400	1600	1800
Weight PPG			
Visc Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER:

DEPTH DRILLED From	To	DRD RU-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	SPM	PUMP 2 Liner Size	SPM	Method Single Parallel
401	438	D		37	55	45	550	6"		6"	3200 gm	

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12:00	24:00	12	Drill 13½ HOLE fr. 401 - 438

MEETING / DRILLS

B.O.P. Drill
H^2S Drill
Fire Drill
Search & Rescue
Safety Meeting: SMALL TOOLS SERVICE RIG

PARTS USED:

1x 24" CRESCENT
2x 1⅛ HAMMER SPANNERS
1x 10 LB SLEDGE HAMMER
1x 50mm PAINT BRUSH
1x 75mm PAINT BRUSH
1x 8" SLIP SEGMENT
1 PR MR BOOM
2x HF FLOAT SEALS

D.P. @ 2400 HRS

LOC	154	DRK	—
STRING	15	RACK	5

EVENING TOUR CREW	NAME	HR
T.P.		
DRLR.	KEN MANONE	
A.D.		
DRK. MAN	GARY FREST	17
L'FLR. MAN	SIMON LANNETT	17
FLR. MAN	SEAN OZANNS	17
FLR. MAN	MICK TIDSWELL	17
FLR. MAN		
R. ABOUT	MAT PIERCE	1
R. ABOUT		

TOOLPUSHER NOTES

RI[illegible]MBE[illegible] TWENTY FOUR [illegible]OIL [illegible]LL[illegible] & [illegible]LO[illegible]TIO[illegible]MI[illegible] GR[illegible]UP [illegible]0 385 [illegible] [illegible]O. 3[illegible]

WELL NAME & No. EAST MERREENIE	DATE FRI 2	DAY OF JUNE	MO[illegible] 1995	COUNTRY: AUSTRALIA	REPORT No. 7
OPERATOR SANTOS	CONTRACTOR OIL DRILLING + EXPLORATION				ACCIDENT FREE DAYS @ 2400HRS. NIL
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF OD+E. TOOLPUSHER				

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	16"	CONDUCTOR					23.47

STOCK ON HAND AT RIG SITE					
		ENGINE OIL	LTRS	HYD. OIL.	
DISTILLATE : REC'D	LTRS	GEAR OIL	LTRS	OXY.	
DISTILLATE : RIG	LTRS	RIG USED	LTRS	ACET.	
DISTILLATE : CAMP	LTRS	CAMP USED	LTRS	NITRO.	

D.P. SIZE	WT	GRADE	TOOL JT OD	THREAD TYPE
4½	16.6	E	6¼	41F

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6	9
2	EMSCO	F800	6	9

Time Distributions - Hours		
Rig Up & Tear Down		
Drilling Actual	7	11
Reaming	½	
Coring		
Cond. Mud & Circulate		
Trips	3½	½
Lubricate Rig		✓
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey		
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
OTHER	1	½
SUB-TOTAL	12	12
COMPLETION WORK: a. Perf		
b. Tubing Trips		
c. Swab		
d. Testing		
e. Addit		
TOTAL	12	12

TIME SUMMARY (Office Use Only)	
"A" Rate	
"B" Rate	
"C" Rate	
"D" Rate	
Total Day Work	

WIRE LINE RECORD	
Reel No.	8
No. of Lines	8 Size 1⅛
Slipped	-
Cut off	-
Present Length	1600
Dist Since Last Cut	289
Cumulative Dist	22322
No. of Days from Spud	7

No.	Drilling Assembly at End of Tour	
1	BIT 13½	0.33
1	SHARE	9.17
1	STAB	1.80
1	DC'S 8" ID OD	8.96
1	STAB	2.31
3	8"	27.25
1	DC'S DPS ID OD	0.45
1	SHOCK	2.74
1	8"	9.87
1	X/O	0.65
9	DC'S 7" ID OD	81.94
1	X/O	0.60
9	6¼	82.36
6	Stands D.P. HWDP	55.47
6	Singles D.P.	173.37
	Kelly Down	7.09
	TOTAL	465
	WT. OF String	100,000

BIT RECORD		
Bit No.	4	5
Size	13½	13½
Mfg.	HTC	HTC
Type	ATJ 55	ATJ 55
Nozzles	OPEN	OPEN
Size		
Ser. No.	B74PX	B8 79PX
Depth Out	443	
Depth In	302	443
Total Drilled	141	22
Total Hrs. Run	24½	5
Condition T./B/Gage	6	1/16
Stab	STAB	30 HRS
Jars		
Shock Sub	30 HRS	
Corr. Ring		

MUD RECORD			
Time	0200	0400	0600
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Mud & Chemicals Added			
Type		Amt.	
DRILLER	N. Mason		

DEPTH DRILLED From	To	DRD RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres.	PUMP 1 Liner Size	SPM	PUMP 2 Liner Size	SPM	Method Bit Performance
438	465	D		27	55	45	AIR	260 PSI				

Diviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000	0200	2	DRILL 13½ HOLE F 438 - 443
0200	0230	½	BLOW HOLE RACK KELLY
0230	0400	1½	P.O.H.
0400	0630	½	BREAK BIT MAKE UP NEW BIT
0630	0630	2	RIH
0630	0700	½	REAM F 429m - 443m
0700	1200	5	DRILL 13½ HOLE F 443M - 465

MEETING / DRILLS	
B.O.P. Drill	
H^2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	TRIPING
NEW ROTATING RUBBER INSTALLED 0900 HRS	
9 HRS	
PARTS USED:	
OLD RUBBER 27½ HRS	

DP @ 1200 HRS.	
LOC : 144	DRK : -
STRING: 18	RACK: 12
TOTAL: 171	

DAY TOUR CREW	NAME		
T.P.	WAYNE SCHAFER		
DRLR.	B. MASON	/	K. MALONE
A.D.			
DRK. MAN	S. MCCONNACHY	7/8	G. PREST
L'FLR. MAN	H. WALSH	7/8	S. LINNETT
FLR. MAN	J. AMOS	7/8	S. OZOUNS
FLR. MAN	O. KAESLER	7/8	M. TIDWELL
FLR. MAN			
R. ABOUT	S. SINCLAIR	7/8	M. PIERLE
R. ABOUT			
MECH.	S. MASON	/	
ELECT.	P. CHERRY	/	
WELDER	M. TIAMAICO	/	
PLANT OP:			

BIT RECORD		
Bit No.	5	
Size	13½	
Mfg.	HTC	
Type	ATJ 55	
Nozzles	OPEN	
Size		
Ser. No.	B79PX	
Depth Out	-	
Depth In	443	
Total Drilled	64	
Total Hrs. Run	16	
Condition T./B/Gage	1N	
Stab	42	
Jars		
Shock Sub	442	
Corr. Ring		

MUD RECORD			
Time	1400	1600	1800
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Mud & Chemicals Added			
Type		Amt.	
DRILLER			

DEPTH DRILLED From	To	DRD RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres.	PUMP 1 Liner Size	SPM	PUMP 2 Liner Size	SPM	Method Bit Performance
465	507	D		42	55	45	3200					

Diviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200	2300	11	DRILL 13½ HOLE F 465 - 507
2300			2x DRIVE PINS BROKEN F/ ROUGH DRILLING COND.
	2300	½	POH 3 STANDS
2300	2400	½	REMOVE BUSHINGS F/ REPLACE PINS

MEETING / DRILLS	
B.O.P. Drill	
H^2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	RIG SERVICE PROCEDURE
PARTS USED:	
1x DRUM SPEL GREASE	
4x HR SEALS	
1x HF SPRING	
2x 3R SEALS	

D.P. @ 2400 HRS	
LOC : 141	DRK : 9
STRING: 13	RACK: 8
TOTAL: 171	

EVENING TOUR CREW	NAME		
T.P.			
DRLR.	KEN MALONE		
A.D.			
DRK. MAN	LARRY WELCH		
L'FLR. MAN	BOB OAKLEY		
FLR. MAN	ADAM WALLACE		
FLR. MAN	ANDY BAKER		
FLR. MAN			
R. ABOUT	HOANI MURRAY		
R. ABOUT			

TOOLPUSHER NOTES

R[illegible]MBE[illegible] TWENTY FOUR — [illegible]OIL [illegible]ILL[illegible] & [illegible]LO[illegible]TIO[illegible]IM[illegible]ITED G[illegible]UP [illegible]00 385 [illegible]O. 3

WELL NAME & No. EAST MEREENIE 37	DATE SAT 3	DAY OF JUNE	M[illegible] 19 95	COUNTRY: AUSTRALIA	REPORT No. 8
OPERATOR SANTOS	CONTRACTOR OIL DRILLING EXPLORATION				
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF OD + E/TOOL PUSHER				

D.P. SIZE	WT	GRADE	TOOL JT. O.D.	THREAD TYPE
4½	16.6	E	6¼	4IF

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6	9
2	EMSCO	F800	6	9

LAST CASING TUBING OR LINER	SIZE	MAKE	WT & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	16	CONDUCTOR					23.47

ACCIDENT FREE DAYS @ 2400HRS. 103

STOCK ON HAND AT RIG SITE

ENGINE OIL	270	LTRS	HYD. OIL	840	LTRS
GEAR OIL	840	LTRS	OXY.	5	
RIG USED	6553	LTRS	ACET.	3	
CAMP USED	380	LTRS.	NITRO.	3	

DISTILLATE: REC'D LTRS
DISTILLATE: RIG LTRS 13500
DISTILLATE: CAMP LTRS 2900

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual	4	11½
Reaming	1½	
Coring		
Cond. Mud & Circulate		
Trips	4	
Lubricate Rig	✓	
Repair Rig	2	
Slip & Cut Drlg. Line		
Dev. Survey		½
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
OTHER	½	
SUB-TOTAL	12	12

COMPLETION WORK: a Perf; b Tubing Trips; c Swab; d Testing; e Addn; TOTAL 12 12

TIME SUMMARY (Office Use Only): "A" Rate; "B" Rate; "C" Rate; "D" Rate; Total Day Work

WIRE LINE RECORD

Reel No	8
No. of Lines	8 Size 1⅛
Slipped	—
Cut off	—
Present Length	1600
Dist Since Last Cut	332
Cumulative Dist	22365
No. of Days from Spud	8

Drilling Assembly at End of Tour

No.		
	BIT 13½	.33
1	Sub DC	9.17
1	Stab	1.80
1	DC'S 8" ID OD	8.96
1	Stab	2.31
3	8"	27.25
1	DC'S DPS ID OD	.46
1	Shock	2.74
1	8"	9.87
1	x/o	.65
9	DC'S 7" ID OD	81.94
1	x/o	.60
9	6½	82.36
6	Stands D.P. HWT	55.47
8	Singles D.P.	230.75
	Kelly Down	10.39
	TOTAL	525
	WT. OF String	107 K

BIT RECORD

Bit No.	5	6
Size	13½	13½
Mfg.	HTC	HTC
Type	ATJ 55	ATJ 55
Nozzles	0 0 0	0 0 0
Size	F N	F N
Ser. No.	B74PX	K23PX
Depth Out	507	—
Depth in	443	507
Total Drilled	64	18
Total Hrs. Run	16	4
Condition T/B/Gage	8 8	1/8
Stab	46½	
Jars		
Shock Sub	54	
Collars	19½	

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added: Type / Amt.

DRILLER

DEPTH DRILLED

From	To	DRD RM.R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sep & Parameters
507	525	D		18	65	35	2⅔	3200	CFM			

Diviation Record: Depth / Dev. / Direction / Depth / Dev. / Direction / Depth / Dev. / Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000	0030	½	CLEAN UP RKB FOR REPAIRE.
0030	0230	2	P.O.O.H
0230	0330	1	CHANGE BIT REPAIRE RKB.
0330	0500	1½	R.I.H
0500	0530	½	INSTALL RKB
0530			PICK UP KELLY RACK BACK AND
	0600	½	RIH
0600	0630	½	KELLY UP BLOW HOLE.
0630	08[illegible]	1½	REAM F 472M. - 507
08[illegible]	12[illegible]	4	DRILL 13½ HOLE F/ 507 - 525

MEETING / DRILLS

B.O.P. Drill	
H^2S Drill	
Fire Drill	
Search & Rescue.	
Safety Meeting	GENERAL SAFETY

PARTS USED: AX VACO DRIVE PINS COP.

DP @ 1200 HRS.: LOC: 141 DRK: — STRING: 24 RACK: 6 TOTAL: 171

DAY TOUR

CREW	NAME
T.P.	W SCHAFER
DRLR.	BILL MASON, KEN MALONE
A.D.	
DRK. MAN	GARY PRESST
L'FLR. MAN	SIMON LINNETT
FLR. MAN	SEAN OZLINS
FLR. MAN	MICK TOSWELL
FLR. MAN	
R. ABOUT	MATT PIERCE
R. ABOUT	
MECH.	MARK ZINI
ELECT.	PETER CHERRY
WELDER	MICK TIRRAMALCO
PLANT OP:	

EVENING TOUR

CREW	NAME
T.P.	
DRLR.	STEVE BAILEY
A.D.	
DRK. MAN	LARRY WELCH
L'FLR. MAN	BOB OAKLEY
FLR. MAN	ADAM WALLACE
FLR. MAN	ANDY BAKER
FLR. MAN	
R. ABOUT	HOANI MURRAY
R. ABOUT	

TOOLPUSHER NOTES

BIT RECORD

Bit No.	6
Size	13½
Mfg.	HTC
Type	ATJ 55
Nozzles	0 0 0
Size	F N
Ser. No.	K33PX
Depth Out	
Depth in	507
Total Drilled	87
Total Hrs. Run	15½
Condition T/B/Gage	
Stab	58
Jars	
Shock Sub	65½
Collars	

MUD RECORD

Time	1400	1600	1800
Weight PPG.			
Visc Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added: Type / Amt.

DRILLER

DEPTH DRILLED

From	To	DRD RM.R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sep & Parameters
525	594	D		69m	65	35	3⅓	3200	CFM			

Diviation Record: Depth 533 / Dev. 1° / Direction / Depth / Dev / Direction / Depth / Dev. / Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12[illegible]	19[illegible]30	7½	DRILL 13½ HOLE F/ 525 - 565m
19[illegible]20			BLOW HOLE CLEAN & SURVEY -
	20[illegible]00	½	@ 553m 1°
20[illegible]	24[illegible]00	4	DRILL 13½" HOLE F/ 565m - 594m

MEETING / DRILLS

B.O.P. Drill	
H^2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	GREASING CROWN & DERRICK SHEAVES

PARTS USED:

D.P. @ 2400 HRS: LOC: 131 DRK: NIL STRING: 31 RACK: 9 TOTAL: 171

RIG NUMBER TWENTY FOUR. OIL DRILL & EXPLORATION MINING GROUP NO. 3

WELL NAME & No. EAST MEKEENIE 37	DATE: 4TH	DAY OF JUNE	1996	COUNTRY: AUSTRALIA	REPORT No. 9
OPERATOR SANTOS	CONTRACTOR OIL DRILLING & EXPLORATION				ACCIDENT FREE DAYS @ 2400HRS. 104
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF DRILL TOOLPUSHER				

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg HD.	SET AT
	16"	CONDUCTOR					23.47

DP SIZE	WT	GRADE	TOOL JT O.D	THREAD TYPE
4 1/2"	16.6	E	6 1/8	4 IF

	MFG	TYPE	LINER	STROKE
1	EMSCO	F800	6"	9"
2	EMSCO	F800	6"	9"

STOCK ON HAND AT RIG SITE					
ENGINE OIL	270	LTRS	HYD. OIL	840	LTRS
DISTILLATE: REC'D	14 500	LTRS	GEAR OIL	840	LTRS
DISTILLATE: RIG	20 200	LTRS	RIG USED	7800	LTRS
DISTILLATE: CAMP	2600	LTRS	CAMP USED	300	LTRS
			OXY.	5	
			ACET.	3	
			NITRO	3	

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual	6	7 1/2
Reaming		4
Coring		
Cond. Mud & Circulate	1/2	
Trips	4	
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line	1/2	
Dev. Survey		1/2
Wireline logs		
Run Casng & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
RUBBER	1	
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addl		
TOTAL	12	12

Drilling Assembly at End of Tour

No.		
	BIT 13 1/2	.33
1	Sub DC	9.17
1	STAB	1.80
1	DC'S 8" ID OD	8.96
1	STAB	2.31
3	8" DC	27.25
1	DC'S DPS ID O.D.	.46
1	SHOCK SUB	2.74
1	8" DC	9.87
1	X/O	.65
9	DC'S 7" ID OD	81.94
1	X/O	.60
9	6 1/4 DC	82.36
6	Stands D.P. HWDP	55.47
35	Singles D.P.	336.69
	Kelly Down	6.45
	TOTAL	627
	WT. Of String	108

BIT RECORD

Bit No.	6	7
Size	13 1/2	13 1/2
Mfg.	HTC	HTC
Type	ATJ 55	ATJ 11 H
Nozzles	0 P E N	0 P E N
Ser. No.	K23 PX	K21 PX
Depth Out	625	
Depth in	507	625
Total Drilled	118	2
Total Hrs. Run	21	1/2
Condition T/B/Gage	3 6	1/16
Stab	64	
Jars		
Shock Sub	77 1/2	
Core Barrel	RUBBER #1 36 1/2	#2

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc Sec			
W.L. C.C.			
FLTR.			
PH			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER

DEPTH DRILLED

From	To	DR-D RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sig & Pr Test
594m	627	D		33m	65	36	370	3200				

Diviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000	0530	5 1/2	CONT. DRILL 13 1/2" HOLE F/594m-625m
0530	0730	2	BLOW HOLE CLEAN, POOH FOR BIT CHNG.
0730			M/U BIT #7, SLIP 25' DRLG LINE & DO
	0800	1/2	RIG SERVICE. CH. OUT FLOAT.
0800	1000	2	CONT. RIH.
1000	1030	1/2	CH. OUT ROTATING HEAD RUBBER F/-STD
10 30	11 00	1/2	P.U. KELLY & INSTALL NEW RUBBER
11 00	1130	1/2	UNLOAD HOLE
1130	1200	1/2	CONT DRILL 13 1/2" HOLE F/625m-627m

MEETING / DRILLS

B.O.P. Drill	
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	CHECK C.O.M.

PARTS USED:

1x H'L INDO RBR
1x DRILL COLLAR DOPE

TOOLS ON BOARD ✓

DP in 1200 HRS.

LOC: 131	DRK:
STRING: 36	RACK: 5
TOTAL: 171	

DAY TOUR

CREW	NAME
T.P.	W. SCHAFER.
DRLR.	KEN MALONE, JOHN PRINCETON
A.D.	
DRK. MAN	GARY FREST.
L'FLR. MAN	SIMON LINNETT.
FLR. MAN	SEAN OSOLINS
FLR. MAN	MICK TIDSWELL
FLR. MAN	
R. ABOUT	MATT PIERCE
R. ABOUT	
MECH.	MARK ZILM
ELECT.	PETER CHERRY
WELDER	MICK TIRRAMACCO
PLANT OP:	

EVENING TOUR

CREW	NAME
T.P.	WAYNE SCHAFER
DRLR.	STEVE BAILEY
A.D.	
DRK. MAN	LARRY WELCH
L'FLR. MAN	BOB OAKLEY
FLR. MAN	ADAM WALLACE
FLR. MAN	ANDY BAKER
FLR. MAN	
R. ABOUT	HOANI MURRAY
R. ABOUT	

TOOLPUSHER NOTES

INJECTION: 10 BBLS AVE 1 HRS WATER 1 1/2% FOAM

TIME SUMMARY (Office Use Only)

"A" Rate	
"B" Rate	
"C" Rate	
"D" Rate	
Total Day Work	

WIRE LINE RECORD

Reel No.	EIGHT
No. of Lines	8
Size	1/2
Slipped	25'
Cut off	—
Present Length	1600
Dist Since Last Cut	372
Cumulative Dist	22405
No. of Days from Spud	9

Drilling Assembly at End of Tour

No.		
	BIT 13 1/2	.33
1	Sub DC	9.17
1	STAB	1.80
1	DC'S 8" ID OD	8.96
1	STAB	2.31
3	8"	27.25
1	DC'S DPS ID OD	.46
1	SHOCK	2.74
1	8"	9.87
1	X/O	.65
9	DC'S 7" ID OD	81.94
1	X/O	.60
9	Hvy Wt 6 1/4	82.36
6	Stands D.P. HWDP	55.47
42	Singles D.P.	404.06
	Kelly Down	4.08
	TOTAL	692
	WT. OF	

BIT RECORD

Bit No.	7	
Size	13 1/2	
Mfg	HTC	
Type	ATJ 11 H	
Nozzles	9 E N	
Ser. No	K21 PX	
Depth Out	692	
Depth in	625	
Total Drilled	67	
Total Hrs. Run	8	
Condition T/B/Gage		
Stab	71 1/2	
Jars		
Shock Sub	85	
Core Barrel	#2	

MUD RECORD

Time	1400	1600	1800
Weight PPG.			
Visc Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH			
SAND %			

Mud & Chemicals Added

Type	Amt.
GEL	20 sx
CAUSTIC	2 sx
LIME	1 sx
EZ-MUD	1 DR

DRILLER

DEPTH DRILLED

From	To	DR-D RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sig & Pr Test
627	642	D		65m	65	35	3 50	3200	CFM			
636	642	R		6m	70	5	4 00	3200	CFM			
680	690	R		10m	70	5	3 50	3200	CFM			

Diviation Record: Depth 678 2 1/4° | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12 00			AIR MIST DRILL 13 1/2" HOLE F/-627m-
	13 00	1	642m
13 00	14 30	1 1/2	REAM & WASH FILL F/-636m-642m
14 30	20 30	6	AIR MIST DRILL 13 1/2" HOLE F/-642m-690m
20 30	22 00	1 1/2	REAM & WASH FILL F/-680m-690m
22 00	22 30	1/2	AIR MIST DRILL 13 1/2 HOLE F/-690m-692m
22 30	23 00	1/2	BLOW HOLE CLEAN & SURVEY @ 678m 2 1/4°
23 00	24 00	1	UNLOAD HOLE, WASH & REAM TO BTM
			BLOW HOLE CLEAN

TOOLS ON BOARD ✓

PARTS USED:

D.P. @ 2400 HRS

LOC: 129	DRK: NIL
STRING: 42	RACK: NIL

RIG NUMBER TWENTY FOUR. **OIL DRILL & PLOTATION MINING GROUP** No. 3

WELL NAME & No. EAST MEREENIE 37	DATE: 5TH DAY OF JUNE MONTH 19 95	COUNTRY: AUSTRALIA.	REPORT No. 10
OPERATOR SANTOS	CONTRACTOR OIL DRILLING & EXPLORATION		
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF OD + ETOOL PUSHER		

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	16"	CON	DUCTOR				23.47

ACCIDENT FREE DAYS @ 2400HRS. 105

STOCK ON HAND AT RIG SITE

DISTILLATE: REC'D 14500 LTRS	ENGINE OIL LTRS	HYD. OIL.
DISTILLATE: RIG 32000 LTRS	GEAR OIL LTRS	OXY.
	RIG USED 3700 LTRS	ACET.
DISTILLATE: CAMP LTRS	CAMP USED 2300/300 LTRS.	NITRO.

D.P. SIZE	WT	GRADE	TOOL JT O.D	THREAD TYPE
4 1/2"	16.6	E	6 1/8	4 IF

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6"	9"
2	EMSCO	F800	6"	9"

Time Distributions - Hours

Rig Up & Tear Down		2 1/2
Drilling Actual		
Reaming		
Coring		
Cond. Mud & Circulate	1	
Trips	9	
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey	1	
Wireline logs		
Run Casing & Cement		6 1/2
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
N.D F/L/LINE	1	
OTHER		3
SUB-TOTAL	12	12
COMPLETION WORK: a. Perf		
b. Tubing Trips		
c. Swab		
d. Testing		
e. Addl		
TOTAL	12	12

TIME SUMMARY (Office Use Only)

"A" Rate		
"B" Rate		
"C" Rate		
"D" Rate		
Total Day Work		

WIRE LINE RECORD

Reel No.	EIGHT
No. of Lines	8 Size 1 1/8
Slipped	25
Cut off	—
Present Length	1600
Dist. Since Last Cut	392
Cumulative Dist.	22425
No. of Days from Spud	10

Drilling Assembly at End of Tour

No.		
	BIT OSC	.33
1	NBS	1.85
1	MON	5.25
1	DC'S 8" ID OD	8.96
1	SUB	1.80
4	8"	37.12
1	DC'S x/o ID. O.D.	.65
9	7"	81.94
1	x/o	.60
9	6 1/4	82.36
6	DC'S HW ID OD	55.42
14	Stands D.P	404.06
	Singles D.P	
	Kelly Down	11.62
	TOTAL	692
	WT. OF String	MAST

BIT RECORD

Bit No.	7
Size	13 1/2
Mfg	HTC
Type	ATJ 11H
Nozzles	8 8 8
Size	
Ser. No.	K21PX
Depth Out	692
Depth In	625
Total Drilled	67
Total Hrs. Run	8
Condition T/B/Gage	6 4 I
Stab	
Jars	
Shock Sub	
Core Barrel	10

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc Sec			
W.L. C.C.			
FLTR.			
PH			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH			
SAND %			

Mud & Chemicals Added

Type	Amt.
Aquagel	26 sk

DRILLER

DEPTH DRILLED

From	To	DRD RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Mud Wgt & Funnel
692				GRC			70	3200	40			

Deviation Record	Depth	Dev	Direction	Depth	Dev	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
00 00	02 00	2	P.OOH. SWT
02 00			L.O. SHOCK SUB & SQ-DK
	04 00	2	P.U. MONEL & NBS * F/L. MULTI-SHOT
04 00	06 00	2	RIH W/ BIT #7 (RUN MULTISHOT)
06 00			TAG BIM @ 690M [2M FILL] REAM
	07 00	1	BACK & RETRIEVE MULTISHOT.
07 00			UNLOAD WELL, WASH T/ BTM
	08 00	1	BROW HOLE CLEAN & SPOT PILL BTM
08 00	10 00	2	POH F/ CSG
10 00	11 00	1	L.O. STABS MONEL
11 00	12 00	1	R.D. CONDUCTOR.

MEETING / DRILLS

B.O.P. Drill	
H^2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	WEEK C.OM

PARTS USED:

1 x TOFCO 2" HR CHOKE
PN 260SRS-109

1 x 3 TON WEB SLING

DP @ 1200 HRS.

LOC:	DRK:
STRING: 40	RACK:
TOTAL: 171	

DAY TOUR

CREW	NAME
T.P.	W SCHAFER
DRLR.	K. MALONE, J. PRINCETON
A.D.	
DRK. MAN	G. PREST
L'FLR. MAN	S. LINNETT
FLR. MAN	S. OSOLINS
FLR. MAN	M. TIDSWELL
FLR. MAN	
R. ABOUT	M. PIERCE
R. ABOUT	
MECH.	M. ZILM
ELECT.	P. CHERRY.
WELDER	M. TIRAMACCO
PLANT OP:	

EVENING TOUR

CREW	NAME
T.P.	WAYNE SCHAFER.
DRLR.	STEVE BAILEY
A.D.	
DRK. MAN	LARRY WELCH
L'FLR. MAN	BOB OAKLEY
FLR. MAN	ADAM WALLACE
FLR. MAN	ANDY BAKER
FLR. MAN	
R. ABOUT	HOAN. MURRAY
R. ABOUT	

BIT RECORD

Bit No.	
Size	
Mfg	
Type	
Nozzles	
Size	
Ser. No.	
Depth Out	
Depth In	
Total Drilled	
Total Hrs. Run	
Condition T/B/Gage	
Stab	
Jars	
Shock Sub	
Core Barrel	

MUD RECORD

Time	1400	1600	1800
Weight PPG.			
Visc Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER

DEPTH DRILLED

From	To	DRD RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Mud Wgt & Funnel
692.							40	6"	90	6"	90	P

Deviation Record	Depth	Dev	Direction	Depth	Dev	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12 00	12 30	1/2	WEEKLY PRE JOB SAFETY MEETING
12 30			RIG DOWN FLOW LINE, CONDUCTOR &
			CUT SAME. L/O ROTATING HEAD &
	14 00	1 1/2	CONDUCTOR OFF CUT.
14 00	15 00	1	RIG TO RUN CSG.
15 00			RUN 1ST JOINT CSG INSTALL CENTRALIZER
	21 30	6 1/2	WELD SAME CONT RUN CSG.
21 30			PICK UP LANDING JNT INSTALL CEMENT
	22 00	1/2	HEAD x/o RUN TO 690.78
22 00	22 30	1/2	RIG UP CMT HEAD & SURFACE LINES
22 30	23 00	1/2	PUMP 1650 STKS x 2 WATER.
23 00			HOOK UP TO HOWCO, PRESSURE TEST
	23 30	1/2	& CMT AS PER SANTOS PROGRAM.
23 30	24 00	1/2	BUMP PLUG & DISPLACE W/ HOWCO

MEETING / DRILLS

B.O.P. Drill	
A.D.	
DRK. MAN	LARRY WELCH
L'FLR. MAN	BOB OAKLEY
FLR. MAN	ADAM WALLACE
FLR. MAN	ANDY BAKER
FLR. MAN	
R. ABOUT	HOAN. MURRAY
R. ABOUT	
H^2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	CASING & CEMENTING

PARTS USED:

* PUMP 306 SK CLASS A CEMENT, MIX WATER = 37.9 BBLS
DISPLACE WITH 219.4 BBLS OF WATER.
* BUMP PLUG @ 2400 WITH 1000 PSI

D.P. @ 2400 HRS

LOC: 139	DRK: 42
STRING: NIL	RACK: NIL
TOTAL:	

TOOLPUSHER NOTES

STRAP = 691.79
DRILL = 692.00
* 10 3/4 csg wt 80000 lbs
* PRE CEMENT SAFETY MEETING.
*
CHANGE OUT 8" BIT SUB F/- HOWCO NEG
FLOAT RECESS NOT CUT TO SPECIFICATI

RIG NUMBER TWENTY FOUR — OIL WELL DRILLING & EXPLORATION LIMITED GROUP — 385 70 — No. 32

WELL NAME & No. EAST MERREGNIE 37	DATE: 6TH	DAY OF JUNE	MONTH 1995	COUNTRY: AUSTRALIA	REPORT No. 11
OPERATOR SANTOS	CONTRACTOR OIL DRILLING & EXPLORATION				
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF OD+E. TOOL PUSHER				

ACCIDENT FREE DAYS @ 2400HRS. 106

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	10 3/4	JAP	40.5 H40	58			690.78

DP SIZE	WT	GRADE	TOOL JT. O.D.	THREAD TYPE
4 1/2"	16.6	E	6 1/8	4 IF

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6"	9"
2	EMSCO	F800	6"	9"

STOCK ON HAND AT RIG SITE: ENGINE OIL 270 LTRS; HYD. OIL 840; DISTILLATE: REC'D LTRS; GEAR OIL 840 LTRS; OXY. 5; DISTILLATE: RIG LTRS 30 000; RIG USED 2 000 LTRS; ACET. 3; DISTILLATE: CAMP LTRS 2000; CAMP USED 300 LTRS; NITRO. 3

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual		
Reaming		
Coring		
Cond. Mud & Circulate		
Trips		
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey		
Wireline logs		
Run Casing & Cement	1	
Waiting on Cement	11	
Nipple Up B.O.P.		10 1/2
Test B.O.P.		
Drill Stem Test		
Fishing		
OTHER		1 1/2
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addit		
TOTAL	12	12

TIME SUMMARY (Office Use Only): "A" Rate; "B" Rate; "C" Rate; "D" Rate; Total Day Work

WIRE LINE RECORD

Reel No.	EIGHT
No. of Lines	8
Size	1 1/2
Slipped	25
Cut off	—
Present Length	1600
Dist Since Last Cut	592
Cumulative Dist	22425
No. of Days from Spud	11

BIT RECORD (Drilling Assembly at End of Tour)

No.	BIT	
5	8" DC	46.08
1	X/O	.65
9	DC'S 7" I.D. O.D.	81.94
1	X/O	.60
9	6 1/4"	82.36
6	DC'S HWDP I.D. O.D.	55.42
	DC'S I.D. O.D.	
14	Stands D.P.	444.06
	Singles D.P.	
	Kelly Down	
	TOTAL	
	WT. OF String	IN AIR/ST.

Bit No.	Size	Mfg.	Type	Nozzles	Size	Ser. No.	Depth Out	Depth In	Total Drilled	Total Hrs. Run	Condition T./B/Gage	Stab	Jars	Shock Sub	Corr Ring

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added: Type; Amt.

DRILLER

DEPTH DRILLED: From 692; To

Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sup-B Pur-A-P

Diviation Record: Depth; Dev.; Direction; Depth; Dev.; Direction; Depth; Dev.; Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
00:00	01:00	1	CONDUCT TOP UP CMT JOB.
01:00			WHILE W.O.C. PREPARE FOR
	12:00	11	NIPPLE UP OF BOPS.

MEETING / DRILLS: B.O.P. Drill; H2S Drill; Fire Drill; Search & Rescue; Safety Meeting

PARTS USED: RIG SERVICE.

TOOLS ON BOARD

DP @ 1200 HRS: LOC: 129; DRK: 42; STRING: NIL; RACK: NIL; TOTAL: 171

DAY TOUR

CREW	NAME
T.P.	N. SCHAFER.
DRLR.	K. MALONE, J. PRINCETON
A.D.	
DRK. MAN	G. PREST.
L'FLR. MAN	S. LINNETT.
FLR. MAN	S. OZOLINS.
FLR. MAN	M. TIDSWELL
FLR. MAN	
R. ABOUT	M. PIERCE
R. ABOUT	
MECH.	M. ZILM
ELECT.	P. CHERRY
WELDER	M. TIERAMACCO
PLANT OP:	

BIT RECORD (Drilling Assembly at End of Tour)

No.	BIT	
5	8"	46.08
1	X/O	.65
9	DC'S 7" I.D. O.D.	81 94
1	X/O	.60
9	6 1/4	82.36
6	DC'S HWDP I.D. O.D.	55.42
14	Stands D.P.	404.06
	Singles D.P.	
	Kelly Down	
	TOTAL	
	WT. OF	

Bit No.	Size	Mfg.	Type	Nozzles	Size	Ser. No.	Depth Out	Depth In	Total Drilled	Total Hrs. Run	Condition T./B/Gage	Stab	Jars	Shock Sub	Core

MUD RECORD

Time	1400	1600	1800
Weight PPG.			
Visc Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added: Type; Amt.

DRILLER

DEPTH DRILLED: From 692; To

Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sup-B Pur-A-P
					6"		6"		

Diviation Record: Depth; Dev.; Direction; Depth; Dev.; Direction; Depth; Dev.; Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12:00			CONT W.O.C. RIG DOWN CEMENT HEAD
	13:00	1	SURFACE LINES, CHAINS ETC.
13:00			BACK OUT LANDING JNT & L/O SAME
	13:30	1/2	RIG DOWN CSG GEAR
13:30			PICK UP BRADEN HEAD CLEAN & INSTALL
			PICK UP B SECTION, B.O.P'S & NIP UP
			CHANGE RAMS TO 4 1/2", INSTALL HCR
			& KILL LINE. PREPARE TO FABRICATE
	24:00	10 1/2	FLOW LINE.

MEETING / DRILLS: B.O.P. Drill; H2S Drill; Fire Drill; Search & Rescue; Safety Meeting: HANDLING TOOLS & SAFETY BELTS.

PARTS USED: 1 x BX 160 SOFT RING; 2 X CHECK VALVES

D.P. @ 2400 HRS: LOC: 129; DRK: 42; STRING: NIL; RACK: NIL; TOTAL: 171

EVENING TOUR

CREW	NAME
T.P.	WAYNE SCHARL
DRLR.	STEVE BAILEY
A.D.	
DRK. MAN	LARRY WELCH
L'FLR. MAN	BOB OAKLEY
FLR. MAN	ADAM WALLACE
FLR. MAN	ANDY BAKER
FLR. MAN	
R. ABOUT	HOANI MURRAY
R. ABOUT	

TOOLPUSHER NOTES

* B.O.P'S 32,000 HANGING.

R...NUMBE... TWENTY FOUR

OIL ...ILL...G & ...PLO...TIO...IM...D G...UP

...000 385... No.

WELL NAME & No. EAST MERKENIE 37	DATE: 7TH	DAY OF JUNE	MONTH 1995	COUNTRY: AUSTRALIA	REPORT No. 12.
OPERATOR SANTOS	CONTRACTOR OIL DRILLING & EXPLORATION				
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S REPRESENTATIVE				

D.P. SIZE	WT	GRADE	TOOL JT O.D.	THREAD TYPE
4 1/2"	16.6	E	6 1/8	41F

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6"	9"
2	EMSC	F800	6"	9"

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	16 3/4	JAP	40.5 H40	38			698.78

ACCIDENT FREE DAYS @ 2400HRS. 107

STOCK ON HAND AT RIG SITE

ENGINE OIL	890	LTRS	HYD. OIL	840	LTRS
GEAR OIL	840	LTRS	OXY.	5	
DISTILLATE: REC'D	LTRS		ACET.	3	
DISTILLATE: RIG	LTRS	29000	RIG USED	1000	LTRS
DISTILLATE: CAMP	LTRS	1700	CAMP USED	300	LTRS. NITRO 3

Time Distributions - Hours	
Rig Up & Tear Down	
Drilling Actual	
Reaming	
Coring	
Cond. Mud & Circulate	
Trips	
Lubricate Rig	
Repair Rig	
Slip & Cut Drlg. Line	
Dev. Survey	
Wireline logs	
Run Casing & Cement	
Waiting on Cement	
Nipple Up B.O.P.	7
Test B.O.P.	5
Drill Stem Test	
Fishing	
SUB-TOTAL	12
COMPLETION WORK: a Perf	
b Tubing Trips	
c Swab	
d Testing	
e Addit	
TOTAL	12

TIME SUMMARY (Office Use Only): "A" Rate; "B" Rate; "C" Rate; "D" Rate; Total Day Work

WIRE LINE RECORD: Reel No. EIGHT; No. of Lines 8; Size 1/8; Slipped 25; Cut off —; Present Length 1600; Dist Since Last Cut 413; Cumulative Dist 22446; No. of Days from Spud 12

No.	Drilling Assembly at End of Tour	
	BIT	
	DC'S I.D. O.D.	
	DC'S I.D. O.D.	
	DC'S I.D. O.D.	
	Stands D.P.	
	Singles D.P.	
	Kelly Down	
	TOTAL	
	WT. OF String	IN MASS

BIT RECORD: Bit No.; Size; Mfg.; Type; Nozzles; Size; Ser. No.; Depth Out; Depth in; Total Drilled; Total Hrs. Run; Condition T./B/Gage; Stab; Jars; Shock Sub; Corr. Ring

MUD RECORD: Time 0200 0400 0600; Weight PPG; Visc Sec; W.L. C.C.; FLTR.; PH.; SAND %; Time 0800 1000 1200; Weight PPG; Visc. Sec.; W.L. C.C.; FLTR.; PH.; SAND %; Mud & Chemicals Added: Type, Amt.; DRILLER

DEPTH DRILLED From	To	DRD RM-R Core C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	SPM	PUMP 2 Liner Size	SPM	Method Bkg & Pump P
692								6"		6"		

Diviation Record: Depth, Dev., Direction, Depth, Dev., Direction, Depth, Dev., Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
00:00			WHILE CONT. TO N.U. BOPS
			M.U. SENSATOR MANIFOLD FOR
			SWACO UNIT, FUNCTION TEST
			BOPS, REPAIR LEAKS ON KOOMEY
			LINES, INSTALL & N.U. ROTATING
	01:00	4	HEAD.
01:00	05:00	3	FABRICATE & REPOSITION BLOOEY LINE.
07:00			P.T. BOPS & CHOKE AS PER SANTOS
	12:00	5.	REQUIREMENTS P.T. INCOMPLETE.

MEETING / DRILLS: B.O.P. Drill; H^2S Drill; Fire Drill; Search & Rescue; Safety Meeting

PARTS USED: 2X E 40 DIAPHRAMS. 2X BOTTLES MARTIN - DECKER FLUID

DP in 1200 HRS. LOC: 129 DRK: 42 STRING: NIL RACK: NIL TOTAL: 171

DAY TOUR

CREW	NAME
T.P.	W SCHAFER
DRLR.	K. MALONE J. PRINCETON
A.D.	
DRK. MAN	G. PREST.
L'FLR. MAN	S. LINNETI
FLR. MAN	S. OGOLINS
FLR. MAN	M. TIDSWELL
FLR. MAN	
R. ABOUT	M. PIERCE.
R. ABOUT	
MECH.	M. ZILM
ELECT.	P. CHERRY
WELDER	M. TERRAMALLO
PLANT OP:	

BIT RECORD: Bit No. #8; Size 9 7/8; Mfg. HTC; Type Arm 11H; Nozzles 9 9 C N; Size; Ser. No. L89 PB; Depth Out; Depth in 678; Total Drilled; Total Hrs. Run; Condition T./B/Gage; Stab; Jars; Shock Sub; Core Ring

Bit 9 7/8	.25	
1 NBS340	1.63	
1 Monel	6.10	
13 DC'S 7" I.D. O.D.	118.47	
1 X/O	.60	
8 6 1/4"	73.35	
1 DC'S Jars I.D. O.D.	9.79	
1 6 1/4"	9.01	
6 Hvy. Wt.	55.42	
13 Stands D.P.		
24 Singles D.P.	394.32	
Kelly Down	9.06	
TOTAL	678	
WT. OF	OF...	

MUD RECORD: Time 1400 1600 1800; Weight PPG; Visc Sec; W.L. C.C.; FLTR.; PH.; SAND %; Time; Weight PPG; Visc. Sec.; W.L. C.C.; FLTR.; PH.; SAND %; Mud & Chemicals Added: Type, Amt.; DRILLER

DEPTH DRILLED From	To	DRD RM-R Core C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	SPM	PUMP 2 Liner Size	SPM	Method Bkg & Pump P
692					75	25	850	6"	85	6"	85	P

Diviation Record: Depth, Dev., Direction, Depth, Dev., Direction, Depth, Dev., Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12:00			CONT PRESSURE TEST PIPE RAMS, WELLHEAD,
			MANIFOLD 200, 2000. OK. SWACO CHOKE
			200, 2000. OK. L/O OUT TESTER, P/U
			KELLY P.T UPPER & LOWER COCKS
	15:30	3 1/2	200, 2000 OK. RACK BACK KELLY
15:30	16:00	1/2	R.I.H W/- 8" DC'S & L/O SAME
16:00			INSTALL SENSATOR CLUSTER IN STAND-
	17:30	1 1/2	PIPE & PRESSURE TEST 2500 PSI OK.
17:30	18:00	1/2	CONT L/O 8" DC'S
18:00			P/U & M/U BHA, CONT TO R.I.H W/-
			BIT #8 P/U JARS CONT R.I.H
	23:30	5 1/2	TAG CEMENT @ 678m
23:30	24:00	1/2	DRILL OUT CEMENT.

MEETING / DRILLS: B.O.P. Drill; H^2S Drill; Fire Drill; Search & Rescue; Safety Meeting 5 MIN SAFETY MEETING HELD *BOTH CREWS*

PARTS USED: 2X DOLPHIN FLASH LIGHTS. 1X HAMMERLOK 10-8

D.P. @ 2400 HRS LOC: 121 DRK: NIL STRING: 41 RACK: 9 TOTAL: ...

EVENING TOUR

CREW	NAME
T.P.	WAYNE SCHAFER
DRLR.	STEVE BAILEY
A.D.	
DRK. MAN	LARRY WELCH
L'FLR. MAN	BOB OAKLEY
FLR. MAN	ADAM WALLACE
FLR. MAN	ANDY BAKER
FLR. MAN	
R. ABOUT	HOANI MURRAY
R. ABOUT	

*SALE OUT FOR PLUG TESTER 5.14m.

TOOLPUSHER NOTES

PRESS TEST:- #1. BLIND RAMS, CSG & DOP - STREAM CHOKE VALVES [200 PSI & 1500 P... #2 [WITH TEST PLUG] PIPE RAMS, UPSTREAM MID & DOWN STREAM CHOKE VALVES, HCR. #2 TEST NOT COMPLETE, RECTIFY LEAKS ON CHOKE MANIFOLD.

*BHA = 65,000

RIG NUMBER TWENTY FOUR. OIL DRILLING & EXPLORATION LIMITED GROUP ACN 000 385 764 NO. 3

WELL NAME & No. EAST MEREENIE 37	DATE: 8TH DAY OF JUNE MONTH 1995	COUNTRY: AUSTRALIA.	REPORT No. 13
OPERATOR SANTOS.	CONTRACTOR OIL DRILLING & EXPLORATION		ACCIDENT FREE DAYS @ 2400HRS. 108
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF OD+E TOOLPUSHER		

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	10 3/4	JAP	40.5 H40	58	685.86	6.12	690.78

DP SIZE	WT	GRADE	TOOL JT. O.D	THREAD TYPE
4 1/2"	16.6	E	6 1/8	4IF

	MFG	TYPE	LINER	STROKE
1	EMSCO	F800	6"	9"
2	EMSCO	F800	6"	9"

STOCK ON HAND AT RIG SITE			
ENGINE OIL 890 LTRS	HYD. OIL 840 LTRS		
DISTILLATE: REC'D LTRS	GEAR OIL 840 LTRS	OXY. 5	
DISTILLATE: RIG LTRS 29000	RIG USED 3200 LTRS	ACET. 3	
DISTILLATE: CAMP LTRS 1400	CAMP USED 300 LTRS	NITRO. 3	

Time Distributions - Hours		
Rig Up & Tear Down		
Drilling Actual	9 1/2	9 1/2
Reaming		
Coring		
Cond. Mud & Circulate	1/2	
Trips		
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey	1 1/2	2
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
F.I.T	1/2	
OTHER		1/2
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addl		
TOTAL	12	12

TIME SUMMARY (Office Use Only)	
"A" Rate	
"B" Rate	
"C" Rate	
"D" Rate	
Total Day Work	

WIRE LINE RECORD	
Reel No	EIGHT
No. of Lines	8
Size	1 1/8
Slipped	25
Cut off	—
Present Length	1600
Dist Since Last Cut	473
Cumulative Dist	22506
No. of Days from Spud	13

Drilling Assembly at End of Tour		
Bit	9 7/8	.25
1	NBS Stab	1.80
1	Monel	6.10
13	DC'S 7" I.D. O.D	118.75
1	X/O	.60
8	6 1/4"	73.35
1	DC'S JAR I.D. O.D	9.80
1	6 1/4"	9.01
6	HWDP	55.42
	DC'S I.D. O.D	
17	Stands D.P.	490.74
2	Singles D.P.	19.21
	Kelly Down	7.00
	TOTAL	804.09
	WT. OF String	110000

BIT RECORD	
Bit No.	8
Size	9 7/8
Mfg	HTC
Type	ATM 11H
Nozzles	OPEN
Ser. No.	L89 PB
Depth Out	INC
Depth in	676
Total Drilled	126
Total Hrs. Run	7
Condition T/B/Gage	
Stab	12
Jars	12.
Shock Sub	
Corr. Ring	

MUD RECORD			
Time	0200	0400	0600
Weight PPG			
Visc Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added	
Type	Amt

RIG NUMBER TWENTY FOUR

OIL DRILLING & EXPLORATION LIMITED GROUP

ACN 000 385 704

NO. 33

WELL NAME & No. EAST MERRENIE 37	DATE: 9TH	DAY OF JUNE	MONTH 19 95
COUNTRY: AUSTRALIA.	REPORT No. 14	ACCIDENT FREE DAYS @ 2400HRS. 109	
OPERATOR SANTOS.	CONTRACTOR OIL DRILLING & EXPLORATION		
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF OD+E. TOOL PUSHER		

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	10 3/4	JAP	40.5 H 40	58	683.86	6.12	690.78

D.P. SIZE	WT	GRADE	TOOL JT. O.D	THREAD TYPE
4 1/2"	16.6	E	6 1/8	4 IF.

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	8"	8"
2	EMSCO	F800	6"	9"

STOCK ON HAND AT RIG SITE

ENGINE OIL	890 LTRS	HYD. OIL	840
GEAR OIL	840 LTRS	OXY.	5
RIG USED	5200 LTRS	ACET.	3
CAMP USED	300 LTRS.	NITRO.	3

DISTILLATE: REC'D LTRS
DISTILLATE: RIG LTRS 21600
DISTILLATE: CAMP LTRS 11000

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual	5 1/2	8 1/2
Reaming		
Coring		
Cond. Mud & Circulate		
Trips	5 1/2	1/2
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey	1/2	3
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
DINNER	1/2	
SUB-TOTAL		
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addit		
TOTAL		

TIME SUMMARY (Office Use Only)

"A" Rate	
"B" Rate	
"C" Rate	
"D" Rate	
Total Day Work	

WIRE LINE RECORD

Reel No	EIGHT
No. of Lines	8 Size 1 1/8
Shipped	33
Cut off	
Present Length	1600
Dist Since Last Cut	523
Cumulative Dist	22556
No. of Days from Spud	16

BIT RECORD

No.	Drilling Assembly at End of Tour	
	Bit 9 7/8	.25
1	NBS	1.80
1	MCN	6.10
1	DC'S 7" ID OD	8.84
1	STB	1.49
2	7"DC	18.57
1	DC'S X/O 4-4 1/2 ID OD	.67
1	STB	1.30
1	X/O 4 1/2-4	.52
10	7"DC	91.34
1	DC'S X/O ID OD	.60
8	6 1/2 DC	73.35
1	JAR	9.80
1	6 1/2 DC	4.01
6	HWDP	55.42
23	Stands D.P.	
2	Singles D.P.	692.97
	Kelly Down	8.97
	TOTAL	981
	WT. OF String	115,000

	8	9
Bit No	8	9
Size	9 7/8	9 7/8
Mfg	HTC	STOCK
Type	ATM 11H	MF 30D
Nozzles	0	9
	P	E
	E	N
	N	
Size		
Ser. No	L89 PB	LDO 117
Depth Out	951	
Depth in	678	951
Total Drilled	273	30
Total Hrs. Run	16 1/2	5 1/2
Condition T/B/Gage	5 5	1N
Stab		
Jars	30	
Shock Sub		
Core Barrel		

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER

DEPTH DRILLED

From	To	DRD RM R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Bit Pick-up
951	981	D		30m	85	25	1/6	6"		6"		
								2400 CFM				

Divisation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	967	30m	534W						

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000	0230	2 1/2	P.O.O.H F/BIT CHANGE.
0230			RIH W/ NEW BHA ASSY.
	0330	1	P.U. & M.U. 2x STABS
0330	0530	2	RIH W/ BIT #9
0530	0600	1/2	P.U KELLY, INSTALL ROT/HEAD, BLOW HOLE
0600	1000	4	AIR MIST DRL 9 7/8" HOLE F/951m - 974m
1000	1030	1/2	BLOW HOLE & SERVEY @ 967m
1030	1200	1 1/2	AIR MIST DRL 9 7/8 HOLE F/974m - 981m

MEETING / DRILLS

B.O.P. Drill	
H^2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	FUNCTION TEST C.O.M.

PARTS USED:

1x BOOK BHA SHEETS

DP @ 1200 HRS.

LOC:	93	DRK:	NIL
STRING:	71	RACK:	10
TOTAL:	174		

DAY TOUR

CREW	NAME		
T.P.	W. SCHAFER		
DRLR.	K. MALONE, J. PRINCETON, S. BAILEY		
A.D.			
DRK. MAN	G. REST.	7 8	L. WELCH
L'FLR. MAN	S. LINNETT	7 8	B. OAKLEY
FLR. MAN	S. OZOLINS.	7 8	A. WALLACE
FLR. MAN	M. TIDSWELL	7 8	A. BAKER.
FLR. MAN			
R. ABOUT	M. PIERCE.	7 8	H. MURRAY.
R. ABOUT			
MECH.	M. ZILM		
ELECT.	P. CHERRY		
WELDER	M. TERRAMICCO		
PLANT OP:			

BIT RECORD

No.	Drilling Assembly at End of Tour	
1	Bit 9 7/8	0.25
1	NBS	1.80
1	MCN	6.10
1	DC'S 7 ID OD	8.84
1	STB	1.49
2	7	18.57
1	X/O ID OD	0.67
1	STAB	1.30
1	X/O	0.52
10	7 DC	91.34
1	DC'S X/O ID OD	0.60
8	6 1/2	73.35
1	JAR	9.80
1	Stabilizer	4.01
6	HW	55.42
26	Singles D.P.	760.31
	Kelly Down	11.63
	TOTAL	1051
	WT. OF	

	9
Bit No	9
Size	9 7/8
Mfg	SMITH
Type	MF 30D
Nozzles	9
	P
	E
	N
Size	
Ser. No	LDO 117
Depth Out	1051
Depth in	951
Total Drilled	100
Total Hrs. Run	14
Condition T/B/Gage	
Stab	
Jars	38 1/2
Shock Sub	
Core Barrel	

MUD RECORD

Time	1400	1600	1800
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER

DEPTH DRILLED

From	To	DRD RM R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Bit Pick-up
981	1051			70	85	25 30	1/6	AIR				
								2400 CFM				

Divisation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	995	33m	534W						

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200			AIR MIST DRL 9 7/8 HOLE F/- 981 -
	1700	5	TO 1003m
1700	1730	1/2	RUN SURVEY @ 995.88m
1730	1900	1 1/2	DRILL 9 7/8 HOLE F1003 - 1022m
1900	1930	1/2	~~DRILL~~ SURVEY @ 1015.13m
1930	2000	1/2	DRILL F 1022m - 1032m
2000	2030	1/2	RUN SURVEY @ 1024.74
2030	2200	1 1/2	DRILL F 1032m TO 1051
2200			RUN SURVEY @ 1043.95
	2330	1 1/2	MIS RUN RERUN SURVEY
2330	2400	1/2	PULL 1ST REMOVE ROTATING
			RUBBER.

MEETING / DRILLS

B.O.P. Drill	
H^2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	WELL CONTROL

PARTS USED:

1x SCREWS BRUSH

D.P. @ 2400 HRS

LOC:	102	DRK:	
STRING:	80	RACK:	2

EVENING TOUR

CREW	NAME		
T.P.	NEVILLE SCUTCHEON		
DRLR.	BILL MASON		
A.D.			
DRK. MAN	SHANE McCONNACHY	TT	8
L'FLR. MAN	HARRION WELSH	TT	9
FLR. MAN	OWEN KAESLER	TT	9
FLR. MAN	JAMES AMOS	TT	8
FLR. MAN			
R. ABOUT	S. SINCLAIR	TT	
R. ABOUT			

TOOLPUSHER NOTES

RIG NUMBER TWENTY FOUR

OIL DRILLING & EXPLORATION LIMITED GROUP

ACN 000 385 704 No. 338

WELL NAME & No: EAST MERCENIE #37

DATE: SATURDAY 10 DAY OF JUNE MONTH 19 95 COUNTRY: AUSTRALIA REPORT No. 15

OPERATOR: SANTOS

CONTRACTOR: OIL DRILLING & EXPLORATION

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF OD+E. TOOL PUSHER: N/A

D.P. SIZE	WT	GRADE	TOOL JT. O.D.	THREAD TYPE
4½	16.6	E	6⅛	4" IF

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6"	9"
2	EMSCO	F800	6"	9"

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	10¾	JAP	40.5 H40	58	683.56	6.12	690.78

ACCIDENT FREE DAYS @ 2400HRS. 110

STOCK ON HAND AT RIG SITE

ENGINE OIL	890	LTRS	HYD. OIL	840	LTRS
GEAR OIL	840	LTRS	OXY.	5	BTL
DISTILLATE: REC'D		LTRS			
DISTILLATE: RIG	16600	LTRS	RIG USED	5000	LTRS
ACET.	3	BTL			
DISTILLATE: CAMP	800	LTRS	CAMP USED	300	LTRS
NITRO	3	BTL			

Time Distribution - Hours

Rig Up & Tear Down		
Drilling Actual	17½	6½
Reaming	4½	
Coring		
Cond. Mud & Circulate		
Trips	6	3
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey		2½
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addit		
TOTAL	12	12

Drilling Assembly at End of Tour

No.		
1	Bit 9⅞	.25
1	NBS	1.80
1	MON	6.10
1	STAB	1.49
2	7" DC ID OD	18.02
1	X/O	.67
1	STB	1.30
1	X/O	.52
11	7" DC ID OD	100.73
1	X/O	.60
3	6" DC	73.35
1	JAR	9.80
1	DC'S 6" ID OD	9.01
6	HW	55.42
27	Stands D.P.	774.48
	Singles D.P.	
	Kelly Down	11.46
	TOTAL	1070
	WT. OF String	118.000

BIT RECORD

Bit No.	#10	#9
Size	9⅞	9⅞
Mfg.	SMITH	SMITH
Type	MF 300	MF 300
Nozzles	8 P	8 P
Size	6 N	6 N
Ser. No.	LDO 119	LDO 117
Depth Out		1051
Depth In	1051	951
Total Drilled	19	100
Total Hrs. Run	1½	14
Condition T/B/Gage	7 5	IN
Stab		
Jars		
Shock Sub		
Corr. Ring		

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc. Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER

DEPTH DRILLED

From	To	DRD RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rot'ry RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Bkgd-S Pr-ed-P
1051	1070	D		19m	50	25	170	2400	CFM			
952	1051	R		REAM T/HOLE	55	5	160	2400	CFM			

Diviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
00:00	02:00	2	CONT POOH W/- BIT #9
02:00	03:30	1½	M/U BIT #10 & CHANGE B.H.A
03:30			R.I.H W/- BIT #10 TO 952m INSTALL
	06:00	2½	ROTATING HEAD RUBBER & P/U KELLY
06:00	10:30	4½	AIR MIST & REAM F/- 952m - 1051m
10:30	12:00	1½	AIR MIST DRILL 9⅞ HOLE F/- 1051m - 1070m

MEETING / DRILLS

B.O.P. Drill: HELD ON TRIP

H_2S Drill:

Fire Drill:

Search & Rescue:

Safety Meeting: HANDLING FLOOR EQUIPTMENT. TEST C.O.M

PARTS USED:

SLIP DIES x 63 Ps 2620 VARCO

DP @ 1200 HRS

LOC: 78 DRK: NIL

STRING: 81 RACK: 15

TOTAL: 174

DAY TOUR

CREW	NAME	HRS
T.P.	NEVILLE SCUTCHEON	✓
DRLR.	STEVE BAILEY, JOHN PRINCETON	✓
A.D.		
DRK. MAN	LARRY WELCH	12
L'FLR. MAN	BOB OAKLEY	12
FLR. MAN	ADAM WALLACE	12
FLR. MAN	ANDY BAKER	12
FLR. MAN		
R. ABOUT	HOANI MURRAY	12
R. ABOUT		
MECH.	MARK ZILM	✓
ELECT.	PETER CHERRY	✓
WELDER		
PLANT OP:		

Drilling Assembly at End of Tour

No.		
1	Bit 9⅞	0.25
1	NBS	1.30
1	MON	6.10
1	DC'S STAB	1.49
2	7" DC ID OD	18.02
1	X/O	0.67
1	STAB	1.30
1	DC'S X/O	0.52
11	7" DC ID OD	100.73
1	X/O	0.60
3	6" DC	73.35
1	JAR	9.80
1	DC'S 6" ID OD	9.01
6	HW	55.42
	Hvy. Wt	
30	Stands D.P.	866.11
1	Singles D.P.	9.61
	Kelly Down	7.12
	TOTAL	1162

BIT RECORD

Bit No.	#10
Size	9⅞
Mfg.	SMITH
Type	MF 300
Nozzles	8 P
Size	6 N
Ser. No.	LDO 119
Depth Out	1162
Depth In	1051
Total Drilled	111
Total Hrs. Run	8
Condition T/B/Gage	7 7 IN
Stab	
Jars	
Shock Sub	
Corr. Ring	

MUD RECORD

Time	1400	1600	1800
Weight PPG			
Visc. Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.

DEPTH DRILLED

From	To	DRD RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rot'ry RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Bkgd-S Pr-ed-P
1051	1162	D			70	32 40	160	AIR				
								2400	CFM			

Diviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200	1230	½	SURVEY
			9⅞ HOLE @ 1063.19 35.45 30W
1230	1400	1½	DRILL 9⅞ HOLE F 1070m - 1099.
1400	1430	½	RUN SURVEY @ 1092.11
1430	1700	2½	DRILL 9⅞ HOLE F 1099 - 1138
1700			RUN SURVEY @ 1130.65
			MIS RUN BLOW HOLE RERUN
	1800	1	SURVEY
1800	2030	2½	DRILL 9⅞ HOLE F 1138m - 1162m
2030	2100	½	RUN SURVEY @ 1149.98
2100	2400	3	P.O.O.H LAY OUT STAB

MEETING / DRILLS

B.O.P. Drill: ON TRIP

H_2S Drill:

Fire Drill:

Search & Rescue:

Safety Meeting: HIGH PRESS AIR DRILLING.

PARTS USED:

2 SLEDGE HAMMER HANDLES.

D.P. @ 2400 HRS

LOC: 78 DRK: 91

STRING: RACK: 5

EVENING TOUR

CREW	NAME	HRS
T.P.		
DRLR.	BILL MASON	✓
A.D.		
DRK. MAN	SHANE McCONNACHY	
L'FLR. MAN	HAAGAN WELSH	12
FLR. MAN	OWEN KAESLER	12
FLR. MAN	JAMES AMOS	12
FLR. MAN		
R. ABOUT	S. SINCLAIR.	12
R. ABOUT		

TOOLPUSHER NOTES

WIRE LINE RECORD

Reel No.	EIGHT
No. of Lines	9 Size 1⅛
Shipped	33
Cut off	
Present Length	1600
Dist Since Last Cut	604
Cumulative Dist	22617
No. of Days from Spud	

TIME SUMMARY (Office Use Only)

"A" Rate	
"B" Rate	
"C" Rate	
"D" Rate	
Total Day Work	

RIG [redacted]ER TWENTY FOUR — [redacted]L D[redacted]LIN[redacted] EX[redacted]OR[redacted]ON [redacted]ITE [redacted]GRO[redacted] — ACH[redacted]5 704 — [redacted] 33[redacted]

WELL NAME & No.	EAST MERCENIE #37	DATE: SUNDAY 11TH DAY OF JUNE MONTH 95	COUNTRY: AUSTRALIA REPORT No. 16
OPERATOR	SANTOS	CONTRACTOR	OIL DRILLING & EXPLORATION
SIGNATURE OF OPERATOR'S REPRESENTATIVE	[signature]	SIGNATURE OF OD+E. TOOL PUSHER	[signature]

[redacted]CIDENT FREE DAYS @ 2400HRS. 111

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	10 3/4	JAP.	40.5 HNO	58	683.46	6.12	690.70

D.P SIZE	WT	GRADE	TOOL JT. OD	THREAD TYPE
4 1/2	16.6	E	6 1/8	4" IF

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6"	9"
2	EMSCO	F800	6"	9"

STOCK ON HAND AT RIG SITE					
ENGINE OIL	890 LTRS	HYD. OIL	840 LTRS		
DISTILLATE: REC'D	15000 LTRS	GEAR OIL	840 LTRS	OXY.	5 B[illegible]
DISTILLATE: RIG	26500 LTRS	RIG USED	5100 LTRS	ACET.	3 B[illegible]
DISTILLATE: CAMP	500 LTRS	CAMP USED	300 LTRS	NITRO.	3 B[illegible]

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual	6	1
Reaming	1/2	
Coring		
Cond. Mud & Circulate		1
Trips	4 1/2	3
Lubricate Rig	✓	
Repair Rig		
Slip & Cut Drlg. Line	1/2	
Dev. Survey	1/2	1/2
Wireline logs		5
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
BLOW HOLE		14
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addit		
TOTAL	12	12

TIME SUMMARY (Office Use Only)

"A" Rate		
"B" Rate		
"C" Rate		
"D" Rate		
Total Day Work		

WIRE LINE RECORD

Reel No.	EIGHT
No. of Lines	8 Size 1 1/8
Slipped	66
Cut off	—
Present Length	1600
Dist Since Last Cut	691
Cumulative Dist	22724
No. of Days from Spud	16

BIT RECORD

No.	Drilling Assembly at End of Tour	
	BIT 9 7/8	.25
1	NBS STAB	1.80
1	MONEL	6.10
1	DC 9 X/O	.67
1	POWER BOX	3.06
1	STAB	1.30
1	X/O	.52
13	DC'S 7" ID OD	118.75
1	X/O	.60
8	6 1/4	73.35
1	JAR	9.80
1	DC'S 6 1/4 ID OD	9.01
6	HWDP	55.42
33	Stands D.P.	
2	Singles D.P.	943.06
	Kelly Down	2.31
	TOTAL	1226
	WT. OF String	125,000

Bit No.	11
Size	9 7/8
Mfg	SMITH
Type	MF 3C(1)
Nozzles	9 9 E N
Size	
Ser. No.	100 122
Depth Out	
Depth In	1162
Total Drilled	64
Total Hrs. Run	6
Condition T/B/Gage	
Stab	
Jars	
Shock Sub	
Corr Ring	

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added	Amt.
SALT	66 x

DRILLER [signature]

DEPTH DRILLED

From	To	DRD Run Core C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Bkgd & Pump P
1162	1226	D		64 m	90	30	180	240	CFM			
1157	1162	R		5 m	90	5	180	240	CFM			

Diviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	1180	3.4	S27.5W						

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
00:00	01:30	1 1/2	M/U BIT #11 P/U P.D.C. & M/U SAME
			CHANGE BHA
01:30	03:00	1 1/2	R.I.H W/ BIT #10 TO SHOE, CALIPER DC'S
03:00	03:30	1/2	SLIP 33' DRILLING LINE & SERVICE RIG
03:30	04:30	1	CONT R.I.H W/ BIT #10
04:30			INSTALL ROTATING HEAD RUBBER CONT
	05:00	1/2	R.I.H TO 1157m
05:00	05:30	1/2	AIR MIST & REAM F/ 1157m - 1162m
05:30	07:00	1 1/2	AIR MIST DRILL 9 7/8 HOLE F/ 1162m - 1157m
07:00	07:30	1/2	BLOW HOLE & SURVEY @ 1150.24
07:30	12:00	4 1/2	AIR MIST DRILL 9 7/8 HOLE F/ 1157m - 1226

DP @ 1200 HRS.

LOC:	68	DRK:	NIL
STRING:	98	RACK:	8
TOTAL:	174		

MEETING / DRILLS

B.O.P. Drill	HELD ON TRIP
H_2S Drill	
Fire Drill	FUNCTION BLIND RAMS.
Search & Rescue	
Safety Meeting	PROCEDURES TOWARDS LIGHTING BLOOY LINE WHEN GAS IS PRESENT TEST CROWN SAVER.

PARTS USED:

2x GEO PENS P/N 3945/100
1x 2" HAMMER UNION
SEAL.

DAY TOUR

CREW	NAME	HR
T.P.	NEVILLE SCUTCHEON	✓
DRLR.	STEVE BAILEY JOHN PRINGETON	✓
A.D.		
DRK. MAN	LARRY WELCH	12
L'FLR. MAN	BOB OAKLEY	12
FLR. MAN	ADAM WALLACE	12
FLR. MAN	ANDY BAKER	12
FLR. MAN		
R. ABOUT	HOANI MURRAY	12
R. ABOUT		
MECH.	MARK ZILM	✓
ELECT.	PETER CHERRY	✓
WELDER		
PLANT OP:		

EVENING TOUR

CREW	NAME	HR
T.P.		
DRLR.	BILL MASON	✓
A.D.		
DRK. MAN	SHANE McCONNACHY	12
L'FLR. MAN	HARGATI WELSH	12
FLR. MAN	OWEN KAESLER	12
FLR. MAN	JAMES AMOS	12
FLR. MAN		
R. ABOUT	S. SINCLAIR.	12
R. ABOUT		

BIT RECORD

No.	Drilling Assembly at End of Tour	
	BIT 9 7/8	0.25
1	NBS	1.80
1	MON	6.10
1	X/O	0.67
1	SDC 6 DC	3.06
1	STAB	1.30
1	X/O	0.52
13	DC'S 7" ID OD	118.75
1	X/O	0.60
8	6 1/4	73.35
1	JAR	9.80
1	DC'S 6 1/4 ID OD	9.01
6	HW	55.42
	Hvy. Wt	
33	Stands D.P.	952.66
	Singles D.P.	
	Kelly Down	11.71
	TOTAL	1245
	WT. OF String	[illegible]

Bit No.	11
Size	9 7/8
Mfg	SMITH
Type	MF 3C 300
Nozzles	9 9 E N
Size	
Ser. No.	100 122
Depth Out	1245
Depth In	1162
Total Drilled	83
Total Hrs. Run	7
Condition T/B/Gage	7 5 IN
Stab	
Jars	
Shock Sub	
Core Ring	

MUD RECORD

Time	1400	1600	1800
Weight PPG.			
Visc Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added	Amt.
2 CAUSTIC	2
SODA ASH	1 1/2
GELL	40

DRILLER [illegible]

DEPTH DRILLED

From	To	DRD Run Core C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Bkgd & Pump P
1226	1245			19	40	30	180	AIR		2400	CFM	

Diviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	1237	3.0	S27.1W						

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200	1300	1	DRILL F 1226m - 1245m
1300	1330	1/2	BLOW HOLE
1330	1400	1/2	RUN SURVEY 1237.90
1400	1500	1	BLOW HOLE WORK PIPE.
1500	1600	1	DISPLACE HOLE TO SALT BRINE
1600	1900	3	P.O.O.H STRAP PIPE
1900	1930	1/2	RIG UP SCHLUMBERGER
1930			LOG WITH SCHLUMBERGER
	2400	4 1/2	FMS - GR - AMS.

MEETING / DRILLS

B.O.P. Drill	ON TRIP
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	HANDLING D/C

PARTS USED:

STRAP MEASUR 952.61
DRILL MEASURE 952.66
DIFF .05

1 SHAFER ROTATING RUBBER

D.P. @ 2400 HRS

LOC:	68	DRK:	
STRING:	99	RACK:	7
TOTAL:			

TOOLPUSHER NOTES

RIG NUMBER TWENTY FOUR — OIL DRILL & EXPLORATION GROUP — No. 3

WELL NAME & No.	EAST MEREENIE #37	DATE	MONDAY 12TH DAY OF JUNE MONTH 19 95
COUNTRY:	AUSTRALIA	REPORT No.	17
OPERATOR	SANTOS	CONTRACTOR	OIL DRILLING & EXPLORATION
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF OD+E. TOOL PUSHER	

D.P. SIZE	WT	GRADE	TOOL JT. O.D.	THREAD TYPE
4½	16.6	E	6⅛	4 IF

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6"	9"
2	EMSCO	F800	6"	9"

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	10¾	JAP	40.5 H40	55	683.56	6.12	690.78

ACCIDENT FREE DAYS @ 2400HRS.	112		
STOCK ON HAND AT RIG SITE	ENGINE OIL 890 LTRS	HYD. OIL 840 LTRS	
	GEAR OIL 840 LTRS	OXY. 5	
DISTILLATE: REC'D LTRS	RIG USED 4000 LTRS	ACET. 3	
DISTILLATE: RIG LTRS 22500			
DISTILLATE: CAMP LTRS 300	CAMP USED 200 LTRS	NITRO. 3	

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual		1½
Reaming	2½	5½
Coring		
Cond. Mud & Circulate		
Trips	4½	2½
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey		1½
Wireline logs	5	
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
BLOW HOLE		1
SUB-TOTAL	12	12
COMPLETION WORK: a. Perf.		
b. Tubing Trips		
c. Swab		
d. Testing		
e. Addit.		
TOTAL	12	12

TIME SUMMARY (Office Use Only)

"A" Rate	
"B" Rate	
"C" Rate	
"D" Rate	
Total Day Work	

WIRE LINE RECORD

Reel No.	EIGHT
No. of Lines	8
Size	1½
Slipped	66
Cut off	
Present Length	1600
Dist. Since Last Cut	766
Cumulative Dist.	22797
No. of Days from Spud	17

Drilling Assembly at End of Tour

No.			
1	BIT 9⅞		.25
1	NB5TB		1.80
1	MON		6.10
13	DC'S 7" I.D. O.D.		118.75
1	X/O		.60
8	DC'S 6¼ I.D. O.D.		73.35
1	JAR		9.80
1	6¼		9.01
6	HNDP		55.42
	DC'S I.D. O.D.		
24	Stands D.P.		692.97
7	Singles D.P.		67.39
	Kelly Down		
	TOTAL		1047
	WT. OF String		110,000

BIT RECORD

Bit No.	12.	
Size	9⅞	
Mfg.	SMITH	
Type	MF 30D	
Nozzles	O P E N	
Ser. No.	NDO 120	
Depth Out	IN	
Depth In	1245	
Total Drilled		
Total Hrs. Run		
Condition T./B/Gage		
Stab		
Jars		
Shock Sub		
Corr. Ring		

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER

DEPTH DRILLED

From	To	DR-D RM-R Core C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sngl-S Parall-P
1245												
968	1047	R		79m	75	3	80		2400	CFM		

Division Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
00⁰⁰			CONT LOG WELL W/ SLUMBERGER RUN #1
	0030	½	FMS - GR - AMS
0030	0100	½	RIG DOWN SLUMBERGER
0100	0500	4	PROCESS LOG INFORMATION & REVISE EM37 TRACK 1 & BOX TONG DIES
0500	0630	1½	MAKE UP 9⅞ DRILLING ASSEMBLY
0630	0730	1	RUN IN HOLE W/ BIT #12 TO 655m
0730	0800	½	UNLOAD HOLE - INSTALL ROTATING HEAD RUBBER
0800	0900	1	RUN IN HOLE TO 968.05 UNLOAD HOLE
0900			P/U KELLY & AIR MIST REAM F/ 968.05 -
	1130	2½	1047.08
1130	1200	½	L/O 7 SINGLES OF DRILL PIPE

MEETING / DRILLS

B.O.P. Drill	
H_2S Drill	
Fire Drill	
Search & Rescue	FUNCTIONS BLIND RAMS
Safety Meeting	PROCEDURES
	TEXACO'S OPERATING
	FORKLIFT.

PARTS USED:

DP @ 1200 HRS.

LOC:	68	DRK:	27
STRING:	72	RACK:	7
TOTAL:	174		

DAY TOUR

CREW	NAME
T.P.	NEVILLE SCUTCHEON
DRLR.	STEVE BAILEY
DRLR	JOHN PRINCETON
DRK. MAN	LARRY WELCH
L'FLR. MAN	BOB OAKLEY
FLR. MAN	ADAM WALLACE
FLR. MAN	ANDY BAKER
FLR. MAN	
R. ABOUT	HOANI MURRAY
R. ABOUT	
MECH.	MARK ZILM
ELECT.	PETER CHERRY
WELDER	
PLANT OP:	

EVENING TOUR

CREW	NAME
T.P.	
DRLR.	BILL MASON
A.D.	
DRK. MAN	SHANE MCCONNACHY
L'FLR. MAN	HAAGAN WELSH
FLR. MAN	OWEN KAESLER
FLR. MAN	JAMES AMOS
FLR. MAN	
R. ABOUT	S. SINCLAIR.
R. ABOUT	

Drilling Assembly at End of Tour

1	BIT 9⅞		0.25
1	NB5		1.80
1	MON		6.10
13	DC'S 7 I.D. O.D.		118.75
1	X/O		0.60
8	DC'S 6¼ I.D. O.D.		73.35
1	JAR		9.80
1	6¼		9.01
6	HW		55.42
	DC'S I.D. O.D.		
	Hvy. Wt.		
34	Stands D.P.		
1	Singles D.P.		991.13
	Kelly Down		0.79
	TOTAL		1267
	WT. OF		

BIT RECORD

Bit No.	12	
Size	9⅞	
Mfg.	SMITH	
Type	MF 30D	
Nozzles	O P E N	
Ser. No.	NDO 120	
Depth Out	1267	
Depth In	1245	
Total Drilled	22	
Total Hrs. Run	1½	
Condition T./B/Gage		
Stab		
Jars		
Shock Sub		
Core		

MUD RECORD

Time	1400	1600	1800
Weight PPG.			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.
Ex-MUD	2
Caustic	2
Soda Ash	1½
Gel	90
PAC-R	5
DEXTRID	20

DRILLER

DEPTH DRILLED

From	To	DR-D RM-R Core C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sngl-S Parall-P
1047	1245	R		198	90	5	180	PSI	2400	CFM		
1245	1267	D		22	80	20	180	PSI	2400	CFM		

Division Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200	1400	2	REAM F 1047 TO 1138
1400			LAY OUT 7 D/PIPE RUN 35T
	1500	1	FROM MAST PICK UP KELLY
1500	1730	2½	REAM F 1138m - 1223
1730			RACK KELLY LAY OUT 7 JT
	1800	½	OF D/PIPE RUN 35T OF PIPE
1800	1900	1	REAM F 1223 - 1245m
1900	2000	1	DRILL 9⅞ HOLE F 1245 - 1257m
2000	2030	½	RUN SURVEY @ 1251.60
2030	2100	½	DRILL 9⅞ HOLE F 1257m - 1267m
2100	2200	1	SURVEY @ 1261.21
2200			
2200	2300	1	BLOW HOLE AND WORK TIGHT
			SPOT @ 1258 m.

MEETING / DRILLS

B.O.P. Drill	ON TRIP.
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	TRIPING.

PARTS USED:

70 SX OF SALT

D.P. @ 2400 HRS

LOC:	68	DRK:	30
STRING:	69	RACK:	7
TOTAL:	174		

TOOLPUSHER NOTES

RIG NUMBER: TWENTY FOUR

OIL DRILLING EXPLORATION LTD REPORT

ACN 000 503 704

No. 342

WELL NAME & No.: EAST MEREENIE #37 | DATE: 13TH DAY OF JUNE MONTH 1995 | COUNTRY: AUSTRALIA | REPORT No. 18

INCIDENT FREE DAYS @ 2400HRS: 113

OPERATOR: SANTOS | CONTRACTOR: OIL DRILLING & EXPLORATION

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature] | SIGNATURE OF OD+E. TOOL PUSHER: [signature]

D.P. SIZE	WT	GRADE	TOOL JT O.D	THREAD TYPE
4 1/2	16.6	E	6 1/8	4 IF

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6"	9"
2	EMSCO	F800	6"	9"

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	10 3/4	JAP	40.5 N40	58	683.56	6.12	690.78

STOCK ON HAND AT RIG SITE: ENGINE OIL 890 LTRS | HYD. OIL 840 LTRS | DISTILLATE: REC'D LTRS | GEAR OIL 840 LTRS | OXY. 5 BTL | DISTILLATE: RIG LTRS 19100 | RIG USED 3400 LTRS | ACET. 3 BTL | DISTILLATE: CAMP LTRS 200 | CAMP USED 100 LTRS | NITRO. 3 BTL

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual	24 1/2	4
Reaming		
Coring		
Cond Mud & Circulate		
Trips	8	6 1/2
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg Line		
Dev Survey		1
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P		
Test B.O.P		
Drill Stem Test		
Fishing		
OTHER	1/2	
PRIMARY		1/2
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c. Swab		
d Testing		
e Addit		
TOTAL	12	12

TIME SUMMARY (Office Use Only): "A" Rate | "B" Rate | "C" Rate | "D" Rate | Total Day Work

WIRE LINE RECORD: Reel No. EIGHT | No of Lines 8 | Size 1 1/8 | Slipped | Cut off | Present Length 1600 | Dist Since Last Cut 896 | Cumulative Dist 22929 | No of Days from Spud 18

BIT RECORD

Drilling Assembly at End of Tour				BIT RECORD		
	BIT	8 1/2	.25	Bit No.	#12	#13
1	NBS3AG	1.83		Size	8 7/8	8 1/2
1	MONEL	6.78		Mfg	SMITH	SMITH
1	DC'S S.STAB I.D. O.D.	1.59		Type	MF 300	F 500
1	6 1/4	9.19		Nozzles	O P E N	O P E N
1	S.STAB	1.30		Size		
17	DC'S. 6 1/4 I.D. O.D.	155.53		Ser. No.	LD0 120	LC8 180
1	JAR	9.80		Depth Out	1267	
1	6 1/4	9.01		Depth in	1245	1267
6	HWDP	55.42		Total Drilled	22	25
	DC'S I.D. O.D.			Total Hrs. Run	1 1/2	2 1/2
				Condition T./B/Gage		1N
35	Stands D.P.			Stab		
2	Singles D.P.	1029.58		Jars		
	Kelly Down	11.72		Shock Sub		
	TOTAL	1292		Corr. Ring		
	WT. OF String	115,000				

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.
DEXTRID	16 SK
PAC-R	3 SK
BICARB SODA	1 SK

DRILLER: [signature]

DEPTH DRILLED

From	To	DR-D RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Bag & Pa-ack
1250	1267	R		17m	70	5	1/80	2400	CFM			
1267	1292	D		25m	75	35	24/50	2400	CFM			

Diviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000	0130	1 1/2	CONT P.O.O.H W/- BIT #12
0130	0330	2	LAY DOWN 9 7/8" DRILLING ASSEMBLY
0330	0630	3	PREPARE & MAKE UP 8 1/2" DRILLING ASSEMBLY
0630	0800	1 1/2	RUN IN HOLE W/- BIT #13
0800	0830	1/2	P/U 6 DP F/- RACK & RIH TO 1250
0830	0930	1	WASH TO BTM 17m FILL
0930	1200	2 1/2	AIR MIST DRILL 8 1/2" HOLE F/- 1267m - 1292m

UP STROKE 155,000

DOWN STROKE 85,000

MEETING / DRILLS

B.O.P. Drill | H_2S Drill | Fire Drill | Search & Rescue: FUNCTION BLIND RAMS | Safety Meeting: LATCHING OUT DRILL COLLARS, TEST CROWN SAVER.

PARTS USED:
- 1 x DRILL COLLAR DOPE
- 1 x DOPE BRUSH
- 1 x SLEDGE HAMMER HANDLE

10 DRILL PIPE TO RACK.

DP @ 1200 HRS: LOC: 58 | DRK: NIL | STRING: 107 | RACK: 9 | TOTAL: 174

DAY TOUR

CREW	NAME	HRS
T.P.	NEVILLE SCUTCHEON	✓
DRLR.	STEVE BAILEY	✓
DRL	JOHN PRINCETON	✓
DRK. MAN	LARRY WELCH	12
L'FLR. MAN	BOB OAKLEY	12
FLR. MAN	ADAM WALLACE	12
FLR. MAN	ANDY BAKER	12
FLR. MAN		
R. ABOUT	HOANI MURRAY	12
R. ABOUT		
MECH.	MARK ZILM	✓
ELECT.	PETER CHERRY	✓
WELDER		
PLANT OP.		

BIT RECORD

Drilling Assembly at End of Tour				BIT RECORD		
1	BIT 8 1/2	0.25		Bit No	#13	14
1	NBS	1.83		Size	8 1/2	8 1/2
1	MONEL	6.78		Mfg	SMITH	SMITH
1	DC'S STAB I.D. O.D	1.59		Type	F 500	F 500
1	6 1/4	9.19		Nozzles	O P E N	O P E N
1	STAB	1.30		Size		
17	DC'S 6 1/4 I.D. O.D	155.53		Ser No	LC8 180	LC 4352
1	JAR	9.80		Depth Out	1340	
1	6 1/4	9.01		Depth in	1267	1340
6	HWDP	55.42		Total Drilled	73	
	DC'S I.D. O.D			Total Hrs Run	6 1/2	
	Hvy. Wt.			Condition T./B/Gage	5 3	1/16
37	Stands D.P	106		Stab		
2	Singles D.P	19.25		Jars		
	Kelly Down	11.61		Shock Sub		
	TOTAL	1340		Core		
	WT. OF					

MUD RECORD

Time	1400	1600	1800
Weight PPG.			
Visc Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG.			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.
DEXTRID	4
PAC R	2
SALT	90
EZ-MUD	2

DRILLER: [signature]

DEPTH DRILLED

From	To	DR-D RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Bag & Pa-ack
1292	1340	D		48	75	35	210	AIR		2400	CFM	

Diviation Record: Depth 1294 | Dev. 3/2 | Direction S26 W | Depth 1333 | Dev. 3/2 | Direction S23.5 W | Depth | Dev. | Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200	1230	1/2	DRILL 8 1/2 HOLE F 1292 - 1301
1230	1300	1/2	SURVEY @ 1294.53.
1300	1630	3 1/2	DRILL 8 1/2 HOLE F 1301 - 1340
1630	1700	1/2	RUN SURVEY @ 1333.01M
1700			OPEN HCR CLOSE RAMS REPAIRE
	1730	1/2	PRIMARY JET LINE.
1730	2030	3	RACK KELLY P.O.O.H
2030	2400	3 1/2	CHANGE BIT CHANGE STAB BLADE RIH.

MEETING / DRILLS

B.O.P. Drill | A.D. | H_2S Drill | Fire Drill | Search & Rescue | Safety Meeting: GAS TRIPPING.

SMALL GAS FLOW @ 1301 1301 M.

PARTS USED:

D.P. @ 2400 HRS: LOC: 48 | DRK: 6 | STRING: 107 | RACK: 13 | TOTAL: 174

EVENING TOUR

CREW	NAME	HRS
T.P.		
DRLR.	BILL MASON	✓
A.D.		
DRK. MAN	SHANE MCLONNACHY	12
L'FLR. MAN	HAAGAN WALSH	12
FLR. MAN	OWEN KAESLER	12
FLR. MAN	JAMES AMOS.	12
FLR. MAN		
R. ABOUT	S. SINCLAIR.	12
R. ABOUT		

TOOLPUSHER NOTES

RIG [redacted]ER [redacted] L D[redacted]LIN[redacted] & E[redacted].OR[redacted]ON [redacted]MIT[redacted] GR[redacted] A[redacted]85 704[redacted] [redacted] 34[redacted]

TWENTY FOUR

WELL NAME & No. EAST MEREENIE #37	DATE WEDNESDAY 14th OF JUNE	MONTH 95	COUNTRY: AUSTRALIA	REPORT No. 19	ACCIDENT FREE DAYS @ 2400HRS. 114
OPERATOR SANTOS	CONTRACTOR OIL DRILLING & EXPLORATION				
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF OD + E. TOOL PUSHER				

D.P. SIZE	WT	GRADE	TOOL JT. O.D	THREAD TYPE
4½	16.6	E	6⅛	4IF

	MFG	TYPE	LINER	STROKE
1	EMSCO	F800	6"	9"
2	EMSCO	F800	6"	9"

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	10¾	SMP	40.5 H40	58	683.56	6.12	690.78

STOCK ON HAND AT RIG SITE					
ENGINE OIL	890	LTRS	HYD. OIL	840	L
GEAR OIL	840	LTRS	OXY.	5	B
RIG USED	7600	LTRS	ACET	3	B
CAMP USED	100	LTRS	NITRO.	3	B

DISTILLATE : REC'D LTRS
DISTILLATE : RIG LTRS 11500
DISTILLATE : CAMP LTRS 100

Time Distributions - Hours		
Rig Up & Tear Down		
Drilling Actual	4½	9½
Reaming	2	
Coring		
Cond. Mud & Circulate		
Trips		
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey	1	2½
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test	4½	
Fishing		
SUB-TOTAL	12	12
COMPLETION WORK: a Perf.		
b Tubing Trips		
c Swab		
d Testing		
e Addit.		
TOTAL	12	12

TIME SUMMARY (Office Use Only): "A" Rate; "B" Rate; "C" Rate; "D" Rate; Total Day Work

WIRE LINE RECORD: Reel No. EIGHT; No. of Lines 8; Size 1⅛; Slipped; Cut off; Present Length 1600; Dist Since Last Cut 981; Cumulative Dist 23034; No. of Days from Spud .19

Drilling Assembly at End of Tour

No.		
1	BIT 8½	.25
1	NBS	1.83
1	MON	6.78
1	DC'S STB	1.59
	I.D. O.D	
1	6¼	9.19
1	STB	1.30
17	DC'S 6¼	155.63
	I.D. O.D.	
1	JAR	9.80
1	6¼	9.01
6	HWDP	55.42
	DC'S	
	I.D. O.D.	
39	Stands D.P.	1125.96
	Singles D.P.	
	Kelly Down	5.00
	TOTAL	1382.66
	WT OF String	120000

BIT RECORD

Bit No.	#14
Size	8½
Mfg.	SMITH
Type	F50D
Nozzles	8 8 8
Size	14 14 14
Ser. No.	LC 4352
Depth Out	IN
Depth In	1340
Total Drilled	42
Total Hrs. Run	4½
Condition T./B/Gage	
Stab	
Jars	
Shock Sub	
Corr. Ring	

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.
PAC - R	5 sx
FLOSSY SALT	90 sx
EZ - MUD	12 DR

DRILLER

DEPTH DRILLED

From	To	DRD RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sep-R Percent
1270	1340	R		70m	70	5	200		2400	CFM		
1340	1382	D		42m.	60	40	276		3200	CFM		

Diviation Record: 1378 MISS.

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
00:00	00:30	½	INSTALL ROTATING HEAD
00:30	02:30	2	BLOW WELL & REAM F/ 1270m - 1340m
02:30	06:00	4½	AIR MIST DRILL 8½" HOLE F/ 1340m - 1379
06:00			P.U OFF BTM, CLOSE WELL IN TO BLOOEY
			LINE, OPEN TO CHOKE MANIFOLD.
	07:30	1½	CONDUCT WELL FLO. TEST.
07:30	09:30	2	SHUT WELL IN & OBSERVE PRESSURES.
09:30	10:30	1	BLEED DOWN WELL THRU SWACO UNIT.
10:30			OPEN BOPS, CLOSE HCR, LINE UP CHOKE
	11:30	1	BLOW HOLE & CONDUCT SURVEY [MISS RUN]
11:30	12:00	½	CONT DRL 8½ HOLE F/ 1379 - 1382.

MEETING / DRILLS

B.O.P. Drill	HELD ON CONNECTION
H2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	PROCEDURES WHEN DRILLING INTO GAS FORMATIONS
	RIG. SERVICE.

PARTS USED:

FUNCTION TEST BOPS:
OPEN HCR, CLOSE APE RAMS & LOWER KELLY - COCK & ANNULAR.

20 KILO DRUM GREASE.

DP @ 1200 HRS.: LOC: 38 DRK: 6 STRING: 117 RACK: 15 TOTAL: 174

DAY TOUR

CREW	NAME	HR
T.P.	NEVILLE SCUTCHEON	
DRLR.	STEVE BAILEY	
A.D.	JOHN PRINCETON	
DRK. MAN	LARRY WELCH	12
L'FLR. MAN	BOB OAKLEY	12
FLR. MAN	ADAM WALLACE	12
FLR. MAN	ANDY BAKER	12
FLR. MAN		
R. ABOUT	HOANI MURRAY	12
R. ABOUT		
MECH.	MARK ZILM	
ELECT.	PETER CHERRY	
WELDER		
PLANT OP:		

EVENING TOUR

CREW	NAME	HR
T.P.		
DRLR.	BILL MASON	
A.D.		
DRK. MAN	SHANE MCCONNACHY	12
L'FLR. MAN	HAAGAN WALSH.	12
FLR. MAN	OWEN KAESLER	12
FLR. MAN	JAMES AMOS	12
FLR. MAN		
R. ABOUT	S. SINCLAIR.	12
R. ABOUT		

TOOLPUSHER NOTES

Drilling Assembly at End of Tour

No.		
1	BIT 8½	0.25
1	NBS	1.83
1	MON	6.78
1	DC'S STB	1.59
	I.D. O.D	
1	6¼	9.19
1	STAB	1.30
17	DC'S 6¼	155.63
	I.D. O.D	
1	JAR	9.80
1	6¼	9.01
6	HWDP	55.42
	DC'S	
	I.D. O.D.	
41	Stands D.P.	1212.58
2	Singles D.P.	
	Kelly Down	1.72
	TOTAL	1465
	WT. OF String	125000

BIT RECORD

Bit No.	#14
Size	8½
Mfg.	SMITH
Type	F50D
Nozzles	8 8 8
Size	14 14 14
Ser. No.	LC 4352
Depth Out	
Depth In	1340
Total Drilled	125
Total Hrs. Run	14
Condition T./B/Gage	1/N
Stab	
Jars	
Shock Sub	
Core Ring	

MUD RECORD

Time	1400	1600	1800
Weight PPG.			
Visc Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.
EZ - MUD	4 DR

DRILLER

DEPTH DRILLED

From	To	DRD RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sep-R Percent
1382	1465	D		83	75	35	250		3200	CFM		

Diviation Record: 1381 32.5 S23.5W | 1410 31.5 S24W | 1434 31 S24.5W

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200			CONT' AIR MIST DRL 8½ HOLE F/1382m
	1300	1	- 1388m
1300	1330	½	CONDUCT SURVEY @ 1381m.
1330			CONT. AIR/MIST DRL 8½" HOLE F/1388m
	1600	2½	- 1417m
1600	1700	1	SURVEY @ 1410m
1700			CONT. AIR/MIST DRL 8½" HOLE F/1417m
	2030	3½	- 1446m
2030	2100	½	RUN SURVEY @ 1434m
2100	2330	2½	DRILL 8½ HOLE F 1446m - 1465
2330	2400	½	RUN SURVEY @ 1458.28

MEETING / DRILLS

B.O.P. Drill	
H2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	

PARTS USED:

D.P. @ 2400 HRS: LOC: 38 DRK: 6 STRING: 126 RACK: 4 TOTAL: 174

RIG [redacted] BER [redacted] OIL DRILLING & EXPLORATION LIMITED GROUP A [redacted] 385 704 [redacted] 34

TWENTY FOUR

WELL NAME & No. EAST MEREENIE #37	DATE FRIDAY 16TH DAY OF JUNE MONTH 95	COUNTRY: AUSTRALIA	REPORT No. 21
OPERATOR SANTOS	CONTRACTOR OIL DRILLING & EXPLORATION		ACCIDENT FREE DAYS @ 2400HRS. 116
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF OD+E. TOOL PUSHER		

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	10¾	SAP	40.5 H40	58	683.56	6.12	690.78

DP SIZE	WT	GRADE	TOOL JT O.D.	THREAD TYPE
4½	16.6	E	6⅝	4 IF

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6"	9"
2	EMSCO	F800	6"	9"

STOCK ON HAND AT RIG SITE			
ENGINE OIL 850 LTRS	HYD. OIL 840 LTRS		
DISTILLATE: REC'D LTRS	GEAR OIL 840 LTRS	OXY. 5 LTRS	
DISTILLATE: RIG LTRS 18398	RIG USED 4408 LTRS	ACET. 3 LTRS	
DISTILLATE: CAMP LTRS 927	CAMP USED 300 LTRS	NITRO. 3 LTRS	

Time Distributions - Hours		
Rig Up & Tear Down		
Drilling Actual	11½	4
Reaming		
Coring		
Cond. Mud & Circulate		1
Trips		6½
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey	½	½
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e. Addl		
TOTAL	12	12

TIME SUMMARY (Office Use Only)	
"A" Rate	
"B" Rate	
"C" Rate	
"D" Rate	
Total Day Work	

WIRE LINE RECORD	
Reel No.	EIGHT
No. of Lines 8	Size 1⅛
Slipped	—
Cut off	—
Present Length	1500.
Dist Since Last Cut	228
Cumulative Dist	23262
No. of Days from Spud	21

No.	Drilling Assembly at End of Tour	
1	BIT 8½	0.25
1	B/S	0.33
1	NBS	1.83
1	DC'S MONEL	6.78
	I.D. O.D	
1	STAB	1.54
1	6½	9.19
1	DC'S STAB	1.30
	I.D. O.D	
22	6½	200.81
1	JAR	9.80
1	6¼	9.01
	DC'S	
	I.D. O.D	
6	HW	55.42
42	Stands D.P.	1212.56
	Singles D.P.	
	Kelly Down	11.72
	TOTAL	1520
	WT. OF String	120000

BIT RECORD		
Bit No.	#15	
Size	8½	
Mfg.	SMITH	
Type	F500	
Nozzles	3 x	
Size	12	
Ser. No.	LC 8178	
Depth Out		
Depth In	1465	
Total Drilled	55	
Total Hrs. Run	20	
Condition T/B/Gage	1/N	
Stab		
Jars		
Shock Sub		
Corr. Ring		

MUD RECORD			
Time	0200	0400	0600
Weight PPG	8.8+	8.8+	8.8+
Visc Sec	56	53	52
W.L. C.C.			
FLTR.			
PH.			
SAND %	.6	.7	.7
Time	0800	1000	1200
Weight PPG		8.9	8.9
Visc. Sec		53	53
W.L. C.C.			
FLTR.			
PH.			
SAND %		.5	TR.

Mud & Chemicals Added	
Type	Amt.
2 Pac-R	2
Dextrid	6
Caustic	1

DRILLER W. Mason.

DEPTH DRILLED From	To	DRD RW-R Core C	Core No.	FORMATION (Show Core Recovery)	Rot'ry RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Bkd & Percent P
1489	1520	D		31	70	38	1⅝	6"	83	6"		S

Diviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	1484.64	30°	S24W						

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000	0100	1	DRILL 8½" HOLE F/- 1489m - 1492m
0100	0130	½	CIRC & SURVEY @ 1484.64 30° S24W
0130	1200	10½	DRILL 8½" HOLE F/- 1492m - 1520

SCR @ 1491m W/- 8.8+ PPG MUD
#1 30 SPM = 290 PSI #1 45 SPM = 510 PSI
#2 30 SPM = 280 PSI #2 45 SPM = 510 PSI

MEETING / DRILLS	
B.O.P. Drill	
H2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	GENERAL HOUSEKEEPING
	CLEAR STAIRWAYS ETC.

PARTS USED:

DP @ 1200 HRS.
LOC: 38 DRK:
STRING: 126 RACK: 10
TOTAL: 174

DAY TOUR		
CREW	NAME	
T.P.	NEVILLE SCUTCHEON	
DRLR.	STEVE BAILEY	BILL MASON
A.D.		
DRK. MAN	LARRY WELCH	11/8 SHANE MCCONNAGHY
L'FLR. MAN	BOB OAKLEY	11/8 HARRAN WALSH
FLR. MAN	ADAM WALLACE	11/8 OWEN KAESLER
FLR. MAN	ANDY BAKER	11/8 JAMES AMOS
FLR. MAN		
R. ABOUT	HOANI MURRAY	12
R. ABOUT		
MECH.	MARK ZILM	STAN MASON
ELECT.	PETER CHERRY	
WELDER		
PLANT OP.		

BIT RECORD		
Bit No.	15	16
Size	8½	8½
Mfg.	SMITH	SMITH
Type	F500	FS OD
Nozzles	3 x	3 x
Size	12	12
Ser. No.	LC 8178	LC 8178
Depth Out	1530	
Depth In	1465	1530
Total Drilled	65	
Total Hrs. Run	24	
Condition T/B/Gage	7 6	1/3
Stab		
Jars		
Shock Sub		
Core		

MUD RECORD			
Time	1400	1600	1800
Weight PPG.	8.9	8.9	
Visc Sec.	55	53	
W.L. C.C.			
FLTR.			
PH.			
SAND %	5/6	.8/8	
Time			
Weight PPG	TRIP		
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added	
Type	Amt.
Flocy SH	25ST
Baracor	4

DRILLER R.

DEPTH DRILLED From	To	DRD RW-R Core C	Core No.	FORMATION (Show Core Recovery)	Rot'ry RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Bkd & Percent P
1520	1530	D		10	70	38	1⅝	6"		6"	83	S

Diviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	1523	28.3°	S20W						

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200	1600	4	DRILL 8½ HOLE F1520m - 1530m
1600	1700	1	CIRC BTMS UP.
1700	1730	½	RUN DEVIATION SURVEY @ 1523m.
1730	2100	3½	PUMP HEVI. WT. PILL & POOH
2100			L/O BIT. M/U NEW 8½" BIT
			CH. OUT STAB BLADE, CHECK
	2200	1	SURVEY RUN.
2200	2400	2	RIH TO 450m.

SCR @ 1500 wt 8.8 PPG MUD
#1 30 SPM = 290 PSI #1 45 SPM 510 PSI

MEETING / DRILLS	
B.O.P. Drill	
H2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	FUNCTION TEST C.O.M
	FUNCTION BLIND RAMS.

PARTS USED:
2x TONG SPRINGS.
2x PR. SAFETY GOGGLES.

BHA WT 65000 LBS

D.P. @ 2400 HRS
LOC: 38 DRK: 111
STRING: 16 RACK: 10
TOTAL: 174

EVENING TOUR		
CREW	NAME	
T.P.		
DRLR.	JOHN PRINCETON	
A.D.		
DRK. MAN	GARY FREST.	
L'FLR. MAN	SIMON LINNETT	
FLR. MAN	SEAN OGILVIE.	
FLR. MAN	MICK TIDSWELL	
FLR. MAN		
R. ABOUT	MATT PIERCE.	
R. ABOUT		

TOOLPUSHER NOTES

RIG NUMBER TWENTY FOUR — OIL DRILLING & EXPLORATION LIMITED GROUP — DAILY REPORT No. 30

WELL NAME & No	EAST MOREENIE #37	DATE	15TH.	DAY OF JUNE	MONTH 95
COUNTRY	AUSTRALIA	REPORT No.	20.	ACCIDENT FREE DAYS @ 2400HRS	115
OPERATOR	SANTOS.	CONTRACTOR	OIL DRILLING & EXPLORATION		
SIGNATURE OF OPERATOR'S REPRESENTATIVE	[signature]	SIGNATURE OF OD+E. TOOL PUSHER	[signature]		

DP SIZE	WT	GRADE	TOOL JT OD	THREAD TYPE
4 1/2	16.6	E	6 1/8	4 IF

	MFG	TYPE	LINER	STROKE
1	EMSCO	F800	6"	9"
2	EMSCO	F800	6"	9"

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	10 3/4	JAP	40.5 HL40	58	685.56	6.12	690.78

STOCK ON HAND AT RIG SITE					
ENGINE OIL	850	LTRS	HYD. OIL	840	LTRS
DISTILLATE : REC'D	15000	LTRS	GEAR OIL	840	LTRS
DISTILLATE RIG	22500	LTRS	RIG USED	4000	LTRS
Recieved 800 DISTILLATE : CAMP	800	LTRS	CAMP USED	100	LTRS
OXY.	5	LTRS	ACET.	3	LTRS
NITRO.	3				

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual		8 1/2
Reaming		1.5
Coring		
Cond. Mud & Circulate	1	
Trips	6	1 1/2
Lubricate Rig	1	
Repair Rig		
Slip & Cut Drlg. Line	1	
Dev. Survey	1/2	
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
KILL WELL	3 1/2	
KELLY		1/2
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addit		
TOTAL	12	12

TIME SUMMARY (Office Use Only)

"A" Rate	
"B" Rate	
"C" Rate	
"D" Rate	
Total Day Work	

WIRE LINE RECORD

Reel No	EIGHT
No. of Lines 8	Size 1 1/8
Slipped	99
Cut off	99
Present Length	1500
Dist Since Last Cut	65
Cumulative Dist	23079
No. of Days From Spud	20

Drilling Assembly at End of Tour

No.			
1	BIT	8 1/2	.25
1	B/S		.33
1	NBSTB		1.83
1	DC'S MONEL		6.78
	I.D.	O.D.	
1	SSTB		1.59
1	6 1/4		9.19
1	DC'S STB		1.30
	I.D.	O.D.	
22	6 1/4		200.81
1	JAR		9.80
1	6 1/4		9.01
	DC'S		
	I.D.	O.D.	
6	HWDP		55.42
	Stands D.P.		
	Singles D.P.		
	Kelly Down		TRIP.
	TOTAL		296.31
	WT. OF String		55000

BIT RECORD

Bit No.	14	15
Size	8 1/2	8 1/2
Mfg	SMITH	SMITH
Type	F50D	F50D
Nozzles	0	3
Size	E N	12
Ser. No.	LC 435281	LC 817B
Depth Out	1465	
Depth In	1340	1465
Total Drilled	125	
Total Hrs. Run	14	
Condition T/B/Gage	7 5	IN
Stab		
Jars		
Shock Sub		
Corr. Ring		

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.
FLOSSY SALT	20sx

DRILLER [signature]

DEPTH DRILLED / FORMATION

From	To	DR-D RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Stg & Perf
1465												

Diviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	1453	30.7	324SW						

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000	0030	1/2	RUN DEVIATION SURVEY
0030	0200	1 1/2	SHUT IN WELL TO BLIND RAMS FOR WELL KILL.
0200	0400	2	CONDUCT WELL KILL OPERATION.
0400	0500	1	C.R.C. BRING UP, PUMP HEVI WT. PILL.
0500			L/O ROT. HEAD RUBBER POOH. F/BIT
	0630	1 1/2	CHANGE CH. OUT STAND PIPE PRESS GUAGE.
0630	0730	1	@ SHOE SLIP 35' LINE & CUT. RIG SERV.
0730	0930	2	L/O 11x SINGLES. CONT. POOH L/O BIT.
0930			P.U. NEW BIT. NO FLOAT. CH/OUT TOP SUB.
	1200	2 1/2	BLADE, ON RIH PICK UP 5x6 1/4 DCs.

MEETING / DRILLS

B.O.P. Drill	HELD ON TRIP
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	WITH BOTH CREWS
RIG SERVICE	
FILL HOLE ON TRIP OUT.	
TEST CROWN SAVER.	

PARTS USED:

DP @ 1200 HRS			
LOC	38.	DRK	120
STRING:	—	RACK:	16
TOTAL:	174		

DAY TOUR

CREW	NAME
T.P.	NEVILLE SCUTCHEON.
DRLR.	STEVE BAILEY
~~ASST~~	JOHN PRINCETON
DRK. MAN	LARRY WELCH.
L'FLR. MAN	BOB OAKLEY
FLR. MAN	ADAM WALLACE
FLR. MAN	ANDY BAKER
FLR. MAN	
R. ABOUT	HOANI MURRAY
R. ABOUT	
MECH.	MARK ZILM
ELECT.	PETER CHERRY
WELDER	
PLANT OP:	

EVENING TOUR

CREW	NAME
T.P.	
DRLR.	BILL MASON
A.D.	
DRK. MAN	SHANE McCONNACHY
L'FLR. MAN	HAAGAN WALSH.
FLR. MAN	OWEN KAESLER
FLR. MAN	JAMES AMOS.
FLR. MAN	
R. ABOUT	S. SINCLAIR.
R. ABOUT	

BIT RECORD

Bit No.	15
Size	8 1/2
Mfg	SMITH
Type	F50
Nozzles	3
Size	12
Ser. No.	LC 817B
Depth Out	
Depth In	1465
Total Drilled	24
Total Hrs. Run	8 1/2
Condition T/B/Gage	1 N
Stab	
Jars	
Shock Sub	
Core	

MUD RECORD

Time	1400	1600	1800
Weight PPG.	~~8.6~~ 8.6	8.6	8.7
Visc Sec		60	53
W.L. C.C.	—	—	—
FLTR.	—	—	—
PH.	—	—	—
SAND %		TR	1.5
Time	2000	2200	2330
Weight PPG	8.6	8.6	8.6
Visc Sec	55	54	55
W.L. C.C.	—	—	—
FLTR.	—	—	—
PH	—	—	—
SAND %	TR	.5	TR.

Mud & Chemicals Added

Type	Amt.
1 Caustic	1
Soda Ash	1/2
Gel	11

DRILLER [signature]

DEPTH DRILLED / FORMATION

From	To	DR-D RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Stg & Perf
1431	1465	R		34	70	5	150	6	90	6		5
1465	1489	D		24	70	38	150	6	88	6		5

Diviation Record	Depth	Dev	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200	1330	1 1/2	R.I.H TO 1431 M
1330	1400	1/2	KELLY UP FILL PIPE BREAK CIRC
1400	1530	1 1/2	REAM F 1431 M. - 1465
1530	2400	8 1/2	DRILL 8 1/2 HOLE F 1465 - 1489

UP STROKE 160,000 LBS
ROTATE WT 115 000 LBS
DWN STROKE 130,000 LBS

MEETING / DRILLS

B.O.P. Drill	WHILE DRILLING
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	WEEKLEY

PARTS USED:

SCR @ 1482 M
#1 PUMP 30SPM = 290PSI
"47SPM = 500PSI

D.P. @ 2400 HRS			
LOC	38	DRK	
STRING:	123	RACK:	13
TOTAL	17		

TOOLPUSHER NOTES

RIG NUMBER TWENTY FOUR — OIL DRILLING & EXPLORATION LIMITED GROUP — 0385 7 — No. 34

WELL NAME & No. EAST MEREENIE 37	DATE SAT 17	DAY OF JUNE	MONTH 1995	COUNTRY AUSTRALIA	REPORT No. 22
OPERATOR SANTOS	CONTRACTOR OIL DRILLING AND EXPLORATION				
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF OD+E. TOOL PUSHER				

ACCIDENT FREE DAYS @ 2400HRS. 116

DP SIZE	WT	GRADE	TOOL JT. OD	THREAD TYPE
4½	16.6	E	6⅛	4FF

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6	9
2	EMSCO	F800	6	9

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	10¾	JAP	40.5-H40	58	683.36	6.12	690.78

STOCK ON HAND AT RIG SITE					
ENGINE OIL	840 LTRS	HYD OIL	840 LTRS		
GEAR OIL	840 LTRS	OXY	5 LTRS		
RIG USED	1478 LTRS	ACET.	3 LTRS		
CAMP USED	300 LTRS	NITRO.	3 LTRS		

DISTILLATE : REC'D	LTRS		
DISTILLATE : RIG	LTRS	16920	
DISTILLATE : CAMP	LTRS	Rec'd. 600	1227

Time Distributions - Hours		
Rig Up & Tear Down		
Drilling Actual	10½	12
Reaming	½	
Coring		
Cond. Mud & Circulate		
Trips	1	
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey		
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addit		
TOTAL	12	12

TIME SUMMARY (Office Use Only): "A" Rate; "B" Rate; "C" Rate; "D" Rate; Total Day Work

WIRE LINE RECORD: Reel No. EIGHT; No. of Lines 8; Size 1/8; Slipped —; Cut off —; Present Length 1500; Dist Since Last Cut 246; Cumulative Dist 23280; No. of Days from Spud 22

No.	Drilling Assembly at End of Tour	
1	BIT 8½	0.25
1	BS	0.33
1	NBS	1.83
1	DC'S MONEL (I.D. O.D.)	6.78
1	STAB	1.59
1	6½	9.19
1	DC'S STAB (I.D. O.D.)	1.30
22	6½	200.81
1	JAR	9.80
1	6½	9.01
	DC'S (I.D. O.D.)	
6	HW	55.42
43	Stands D.P.	
2	Singles D.P.	1260.71
	Kelly Down	2.98
	TOTAL	1560
	WT. OF String	112,000

BIT RECORD	
Bit No.	16
Size	8½
Mfg.	SMITH
Type	F500
Nozzles	3 x 12
Ser. No.	LC9195
Depth Out	
Depth In	1530
Total Drilled	30
Total Hrs. Run	10½
Condition T./B/Gage	1 N
Stab	
Jars	
Shock Sub	
Corr. Ring	

MUD RECORD	0200	0400	0600
Time			
Weight PPG	9	9	9
Visc. Sec.	53	53	53
W.L. C.C.			
FLTR.			
PH.			
SAND %	.7	1	1
Time	0800	1000	1200
Weight PPG	9+	9+	9+
Visc. Sec.	50	48	50
W.L. C.C.			
FLTR.			
PH.			
SAND %	.07	.07	.05

Mud & Chemicals Added

Type	Amt.
Barcor	3
Caustic	2

DRILLER

DEPTH DRILLED From	To	DR-D RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rot'ary RPM	Wt on Bit	Pump Pres	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Bit-B Pull-P
1530	1560	D		30	70	38	1350	6	95	6		5

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000	0100	1	R.I.H.
0100	0130	½	KELLY UP WASH AND REAM F1520 – 1530
0130	1200	10½	DRILL 8½ HOLE F1530 – 1560

SCR @ 1559 M MUD WT 9 PPG
SCR #1 PUMP 30 SPM 280 PSI
45 SPM 420 PSI

DP @ 1200 HRS.: LOC 38; DRK :; STRING 131; RACK 5; TOTAL 174

MEETING / DRILLS: B.O.P. Drill; H2S Drill; Fire Drill; Search & Rescue; Safety Meeting TRIPING IN COLD WEATHER, CHECKED C.O.M. WHILE TRIPPING.

PARTS USED:

DAY TOUR

CREW	NAME
T.P.	NEVILLE SCUTCHEON
DRLR.	BILL MASON
A.D.	
DRK. MAN	SHANE McCONNACHY
L'FLR. MAN	HARLAN WALSH
FLR. MAN	OWEN [illegible] KAESLER
FLR. MAN	JAMES AMOS
FLR. MAN	
R. ABOUT	HOANI MURRAY
R. ABOUT	
MECH.	STAN MASON
ELECT.	
WELDER	
PLANT OP:	

EVENING TOUR

CREW	NAME
T.P.	
DRLR.	J. PRINCETON
A.D.	
DRK. MAN	GARY FREST
L'FLR. MAN	SIMON LINNETT
FLR. MAN	SEAN OSBORNE
FLR. MAN	MICK TIDSWELL
FLR. MAN	
R. ABOUT	MATT PIERCE
R. ABOUT	

No.	Drilling Assembly at End of Tour	
1	BIT 8½	.25
1	8/9	.33
1	NBS	1.83
1	DC'S MON (I.D. O.D.)	6.78
1	STB	1.59
1	6½	9.19
1	DC'S STB (I.D. O.D.)	1.30
22	6½	200.81
1	JAR	9.80
1	6½	9.01
	DC'S (I.D. O.D.)	
6	Hvy. Wt.	55.42
44	Stands D.P.	1270.34
2	Singles D.P.	19.24
	Kelly Down	4.0
	TOTAL	1589.89
	WT. OF	120,000

BIT RECORD	
Bit No.	16
Size	8½
Mfg.	SMITH
Type	F500
Nozzles	3 x 12
Ser. No.	LC8 195
Depth Out	
Depth In	1530
Total Drilled	59
Total Hrs. Run	22½
Condition T./B/Gage	1 N
Stab	
Jars	
Shock Sub	
Core	

MUD RECORD	1400	1600	1800
Time			
Weight PPG.	9	9	9
Visc. Sec.	51	51	51
W.L. C.C.			
FLTR.			
PH.	10	10	9.5
SAND %	.5%	.5%	.5%
Time	2000	2200	2400
Weight PPG.	9	9	9
Visc. Sec.	51	51	48
W.L. C.C.			
FLTR.			
PH	9.5	9.5	10
SAND %	.5	.5	.5

Mud & Chemicals Added

Type	Amt.
Caustic Soda	64

DRILLER

DEPTH DRILLED From	To	DR-D RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rot'ary RPM	Wt on Bit	Pump Pres	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Bit-B Pull-P
1560	1589	D		29	60	35	1150			6	90	5

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200	2400	12	DRL. 8½" HOLE F/1560m – 1589m

SCR @ 1569m W/9 PPG MUD WT
#1 MP @ 30 SPM/280 PSI, 45 SPM/420 PSI

DP @ 2400 HRS.: LOC 38; DRK —; STRING 134; RACK 2; TOTAL 171

MEETING / DRILLS: B.O.P. Drill; H2S Drill; Fire Drill; Search & Rescue; Safety Meeting GENERAL, RIG SAFETY, HOUSEKEEPING ETC.

PARTS USED:
1 X SIZE 10 HAMMER LOCK.
48 X 2⅜" SLIP DIES.
1 X 20 PC BOX DUST MASKS
1 X PKT, OFI FILTER PAPER
1 X BOX MERICK PH INDICATORS.

TOOLPUSHER NOTES

Desander Underflow 13.1 lbs/Bbl
Overflow 9 lbs/Bbl.
21.5 : 27 sec = 87 Bbls/hr

OIL WELL DRILLING & EXPLORATION COMPANY GROUP

NUMBER: TWENTY FOUR — No. 3

WELL NAME & No.	EAST MERREEMIE 37	DATE: SUN 18	DAY OF: JUNE	MO. 95	COUNTRY: AUSTRALIA
OPERATOR	SANTOS	CONTRACTOR	ODE		REPORT No. 23
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF OD+E. TOOL PUSHER			

DP SIZE	WT	GRADE	TOOL JT OD	THREAD TYPE
4½	16.6	E	6⅝	41F

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F 800	6	9
2	EMSCO	F800	6	9

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	10¾	JAP	40.5 H40	58	683.56	6.12	690.78

ACCIDENT FREE DAYS @ 2400HRS: 117

STOCK ON HAND AT RIG SITE

ENGINE OIL	830	LTRS	HYD. OIL	840	LTRS
GEAR OIL	840	LTRS	OXY.	5	
RIG USED	1821	LTRS	ACET.	3	
CAMP USED	300	LTRS.	NITRO.	3	

DISTILLATE: REC'D LTRS
DISTILLATE RIG LTRS 15099
DISTILLATE: CAMP LTRS 927

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual	4½	
Reaming		
Coring		
Cond. Mud & Circulate	1	
Trips	3½	
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey	½	
Wireline logs	2	12
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		
Drill Stem Test		
Fishing		
OTHER	½	
SUB-TOTAL	12	12
COMPLETION WORK: a Perf		
b Tubing Trips		
c Swab		
d Testing		
e Addit		
TOTAL	12	12

TIME SUMMARY (Office Use Only)

"A" Rate	
"B" Rate	
"C" Rate	
"D" Rate	
Total Day Work	

WIRE LINE RECORD

Reel No.	EIGHT.
No. of Lines 8	Size 1/8
Slipped	—
Cut off	—
Present Length	1600
Dist Since Last Cut	325
Cumulative Dist	28359
No. of Days from Spud	23

Drilling Assembly at End of Tour

No.		
1	BIT 8½	0.25
1	NBS	1.83
1	MON	6.78
1	DC'S STAB	1.54
	ID OD	
1	6½	9.19
1	STAB	1.59
22	DC'S 6½	200.51
	ID OD	
1	JAR	9.80
1	6½	9.01
	DC'S	
	ID OD	
6	HW	55.42
45	Stands D.P.	1298.21
	Singles D.P.	
	Kelly Down	4.48
	TOTAL	1600
	WT. OF String	IN MAST

BIT RECORD

Bit No	16
Size	8½
Mfg	SMITH
Type	F500
Nozzles	3 x
Size	12
Ser. No.	LC 8195
Depth Out	1600
Depth in	530
Total Drilled	70
Total Hrs. Run	27
Condition T/B/Gage	7 5 1/32
Stab	
Jars	
Shock Sub	
Corr. Ring	

MUD RECORD

Time	0200	0400	0600
Weight PPG	9.8	9.9	9.8
Visc Sec	49	49	48
W.L. C.C.			
FLTR.			
PH.	9.5	9.5	9.5
SAND %	.72	.72	.72
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.
Flocy Salt	384

DRILLER: W. Milligan

DEPTH DRILLED / FORMATION

From	To	DRD RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sag & Pump
1587	1600	D		11	70	40	1500	6	95	6		S

Division Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000	0030	½	RUN SURVEY @ 1580.89 27.5 527.5W
0030	0530	4½	DRILL 8½ HOLE F1589 - 1600m
0500	0600	1	CIRC BOTOM UP
0600	0630	½	PUMP PILL RACK KELLY
0630	1800	3½	P.O.O.H STRAP PIPE (Very high winds)
1800			RIG UP SLUMBERGER MAKE UP
	1130	1½	TOOLS
1130			LOG RUN #1 DLL-MSFL-LDC-
	1200	½	CNL-GR-NGT-AMS

MEETING / DRILLS

B.O.P. Drill	
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	

PARTS USED:

STRAP TOTAL	1299.79
DRILL TALLY	1298.21
DIFF	1.58

UP to 1200 HRS
LOC: 38 DRK: 136
STRING: RACK: 0
TOTAL: 174

DAY TOUR

CREW	NAME
T.P.	NEVILLE SCUTCHEON
DRLR.	BILL MASON
A.D.	
DRK. MAN	SHANE McCONNACHY
L'FLR. MAN	HAAGAN WALSH
FLR. MAN	OWEN KAESLER
FLR. MAN	JAMES AMOS
FLR. MAN	
R. ABOUT	HOANI MURRAY
R. ABOUT	
MECH.	STAN MASON
ELECT.	G. NANKIVELL
WELDER	
PLANT OP.	

Drilling Assembly at End of Tour

	Bit	
1	MON	6.78
1	SUB	1.54
1	DC'S 6½	9.19
	ID OD	
1	STB	1.59
22	6½	200.51
1	DC'S JAR	9.80
	ID OD	
1	6½	9.01
	DC'S	
	ID OD	
6	Hvy. Wt.	55.42
1	Stands D.P. SINGLE	9.65
45	STANDS	1298.21
	Kelly Down	
	TOTAL	1601.70
	WT. OF	IN MAST

BIT RECORD

Bit No	
Size	
Mfg	
Type	
Nozzles	
Size	
Ser. No.	
Depth Out	
Depth in	
Total Drilled	
Total Hrs. Run	
Condition T/B/Gage	
Stab	
Jars	
Shock Sub	
Core	

MUD RECORD

Time	1400	1600	1800
Weight PPG		9.1	
Visc Sec		50	
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	2400		
Weight PPG	9.1		
Visc. Sec	52		
W.L. C.C.			
FLTR			
PH			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER: RN

DEPTH DRILLED / FORMATION

From	To	DRD RM-R Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt on Bit	Pump Pres	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sag & Pump
				LOGGING.				6"		6"		S

Division Record: Depth | Dev | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200			#1 LOGGING RUN, DLL-MSFL-LDC-
	1830	6½	CNL-GR-NGT-AMS.
1830			SCHLUMBERGER OUT OF HOLE
			L/O TOOLS & PREPARE FOR NEXT
	2130	3	RUN.
2130	2400	2½	#2 RUN, FMS4-GR-AMS.

MEETING / DRILLS

B.O.P. Drill	
H_2S Drill	
Fire Drill	
Search & Rescue	RIG SERVICE.
Safety Meeting	GENERAL.

*TD FROM SCHLUMBERGER 1600m.
*FUNCTION ENGINE KILL!

PARTS USED:

4X 100 ROLLER CHAIN	
LINK BELT/114 PITCHES	

D.P. @ 2400 HRS
LOC: 38 DRK: 136
STRING: RACK: —

EVENING TOUR

CREW	NAME
T.P.	
DRLR.	JOHN PRINCETON
A.D.	
DRK. MAN	GARY PREST.
L'FLR. MAN	SIMON LINNETT
FLR. MAN	SEAN OZOLINS
FLR. MAN	MICK TIDSWELL
FLR. MAN	
R. ABOUT	MATT PIERCE.
R. ABOUT	

TOOLPUSHER NOTES

*REPAIR MAKE UP CAT HEAD, CH. OUT BEARINGS & SHAFT & CLUTCH PLATE
*CH. OUT CAT HEAD DRIVE CHAIN.
*FUNCTION & RESET ENGINE KILL
*CLEAN MUD TANKS
*CHECK ALL CHAINS EXCEPT HI/LO DRUM CLUTCH.
*ENSURE CSG HANDLING GEAR READY

RIG NUMBER TWENTY FOUR — OIL WELL DRILLING & PRODUCTION LIMITED GROUP — 00 385 — No. 3

WELL NAME & No. EAST MERRENIE #37	DATE MON 19 DAY OF JUNE MONTH 1995	COUNTRY: AUSTRALIA	REPORT No. 24
OPERATOR SANTOS	CONTRACTOR O.D.E.		
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF OD+E. TOOL PUSHER		

DP SIZE	WT	GRADE	TOOL JT OD	THREAD TYPE
4 1/2	16.6	E	6 1/8	4IF

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6	9
2	EMSCO	F800	6	9

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	10 3/4	JAP	40.6 H40	58	6835.6	6.12	6907.8

ACCIDENT FREE DAYS @ 2400HRS. 118

STOCK ON HAND AT RIG SITE

ENGINE OIL	830 LTRS	HYD. OIL	840 LTRS
GEAR OIL	840 LTRS	OXY.	5
RIG USED	1079 LTRS	ACET.	3
CAMP USED	300 LTRS	NITRO.	3

DISTILLATE: REC'D LTRS
DISTILLATE: RIG 14020 LTRS
DISTILLATE: CAMP 600 Recd LTRS 1227

Time Distributions - Hours		
Rig Up & Tear Down		
Drilling Actual		
Reaming		
Coring		
Cond. Mud & Circulate	1	
Trips	8	6 1/2
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line	1/2	
Dev. Survey		
Wireline logs	2	
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.		
Test B.O.P.		1/2
Drill Stem Test		
Fishing		
OTHER	1/2	5
SUB-TOTAL	12	12
COMPLETION WORK: a Perf.		
b Tubing Trips		
c Swab		
d Testing		
e Addit.		
TOTAL	12	12

Drilling Assembly at End of Tour		
1	Bit 8 1/2	0.25
1	NBS	1.83
1	X/O	0.67
1	DC'S 6 1/2	9.19
	I.D. O.D.	
1	STAB	1.59
1	6 1/2 D/C	9.34
1	DC'S STAB	1.54
	I.D. O.D.	
21	6 1/2 D/C	191.17
1	JAR	9.80
1	6 1/2	9.01
	DC'S	
	I.D. O.D.	
6	HWDP	55.42
	Stands D.P.	
	Singles D.P.	
	Kelly Down	
	TOTAL	
	WT. OF String	

BIT RECORD

Bit No.	RR
Size	8 1/2
Mfg.	SMITH
Type	F300
Nozzles	3
Size	12
Ser. No.	LC8177
Depth Out	1600
Depth In	1600
Total Drilled	0
Total Hrs. Run	0
Condition T/B/Gage	W/PER
Stab	TRIP
Jars	
Shock Sub	
Corr. Ring	

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.
Salt	28

DRILLER N. Mason

DEPTH DRILLED From	To	DRILL/CORE	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	SPM	PUMP 2 Liner Size	SPM	Method Depth & Percent
1600												

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000			LOG WITH SCHUMBERGER
	0100	1	RUN #2 FMS4-GR-AMS.
0100			LAY OUT LOGING TOOLS RIG DOWN
	0200	1	SCHUMBERGER
0200			LAY OUT MONEL D/C MAKE
	0330	1 1/2	UP BHA RIH
0330	0400	1/2	SLIP 33 FT DRILL LINE
0400	0530	1 1/2	RIH
0530	0630	1	CIRC
0630	0700	1/2	PUMP PILL RACK KELLY
0700	1200	5	P.O.O.H LAYING DOWN DRILL
			PIPE SERVICE BREAK KELLY

MEETING / DRILLS

B.O.P. Drill	ON TRIP
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	LAY OUT DRILL PIPE.

PARTS USED:

R. ABOUT	HOANI MURRAY
R. ABOUT	

DP @ 1200 HRS.
LOC: DRK:
STRING: RACK:
TOTAL: 174

DAY TOUR

CREW	NAME
T.P.	NEVILLE SCUTCHEON
DRLR.	BILL MASON
A.D.	
DRK. MAN	SHANE MCCONNACHY
L'FLR. MAN	HARGAN WALSH
FLR. MAN	OWEN KAESLER
FLR. MAN	JAMES AMOS
FLR. MAN	
MECH.	STAN MASON
ELECT.	G. NANKIVEL
WELDER	
PLANT OP:	

EVENING TOUR

CREW	NAME
T.P.	
DRLR.	JOHN PRINCETON
A.D.	
DRK. MAN	GARY PREST
L'FLR. MAN	SIMON LINNETT.
FLR. MAN	SEAN OGOLINS.
FLR. MAN	MICK TIDSWELL
FLR. MAN	
R. ABOUT	MATT PIERCE.
R. ABOUT	

TIME SUMMARY (Office Use Only)

"A" Rate	
"B" Rate	
"C" Rate	
"D" Rate	
Total Day Work	

WIRE LINE RECORD

Reel No.	EIGHT
No. of Lines	8
Size	1 1/8
Slipped	33'
Cut off	—
Present Length	1500
Dist. Since Last Cut	448
Cumulative Dist.	23807
No. of Days from Spud	24

Drilling Assembly at End of Tour	
BIT	
DC'S	
I.D. O.D.	
DC'S	
I.D. O.D.	
DC'S	
I.D. O.D.	
Hvy. Wt.	
Stands D.P.	
Singles D.P.	
Kelly Down	
TOTAL	
WT. OF	

BIT RECORD

Bit No.	RK.
Size	8 1/2
Mfg.	SMITH
Type	F5 OD
Nozzles	3
Size	12
Ser. No.	LC8177
Depth Out	1600
Depth In	1600
Total Drilled	—
Total Hrs. Run	—
Condition T/B/Gage	
Stab	
Jars	
Shock Sub	
Core	

MUD RECORD

Time	1400	1600	1800
Weight PPG.			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG.			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.
—	

DRILLER

DEPTH DRILLED From	To	DRILL/CORE	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	SPM	PUMP 2 Liner Size	SPM	Method Depth & Percent
1600												

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200			POOH CONT. LAY DOWN D.P.
			HEVI. WT., COLLARS. SERVICE BREAK
	1700	5	ALL STABILIZERS.
1700	1830	1 1/2	L/O KELLY & SWIVEL, L/O KELLY SAVER.
1830			CLEAR FLOOR, CH. OUT PIPE RAMS - 5 1/2"
	2100	3	M.U 5 1/2" FLOAT COLLAR & SHOE.
2130			RIH W/ CUP TESTER, CLOSE HYDRIL
	2200	1/2	& P.T. BONNET SEALS - 500 PSI.
2200	2400	2	L/O D.P., R.U TO RUN 5 1/2" CSG.

MEETING / DRILLS

B.O.P. Drill	
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	

PARTS USED:

R. ABOUT	
R. ABOUT	

D.P. @ 2400 HRS
LOC: 174 DRK: —
STRING: — RACK: —

TOOLPUSHER NOTES

FUNCTION: PIPE RAMS, BLIND RAMS HYDRIL.

RIG NUMBER: TWENTY FOUR

OIL WELL & LOCATION MAINTENANCE GROUP

0385 7

PAGE NO. 3

WELL NAME & No: EAST MERRENIE 37

DATE: TUE 20 DAY OF JUNE MONTH 1995

COUNTRY: AUSTRALIA

REPORT No. 25

ACCIDENT FREE DAYS @ 2400HRS: 119

OPERATOR: SANTOS

CONTRACTOR: OIL DRILLING + EXPLORATION

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF OD+E. TOOL PUSHER: [signature]

DP SIZE	WT	GRADE	TOOL JT. O.D	THREAD TYPE
4½	16.6	E	6⅞	4IF

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6	9
2	EMSCO	F800	6	9

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	10¾	JAP	40.5 N40	58	687.56	6.12	690.78

STOCK ON HAND AT RIG SITE					
ENGINE OIL	700	LTRS	HYD. OIL	840	LTRS
DISTILLATE: REC'D		LTRS	GEAR OIL	840	LTRS
			OXY.	5	LTRS
DISTILLATE: RIG	12963	LTRS	RIG USED	1057	LTRS
			ACET.	3	LTRS
DISTILLATE: CAMP	924	LTRS	CAMP USED	300	LTRS
			NITRO.	3	LTRS

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual		
Reaming		
Coring		
Cond. Mud & Circulate	1	
Trips		
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey		
Wireline logs		
Run Casing & Cement	10½	
Waiting on Cement		
Nipple Up B.O.P.	1/2	9
Test B.O.P.		
Drill Stem Test		
Fishing		
OTHER		3
SUB-TOTAL	12	12
COMPLETION WORK: a. Perf		
b. Tubing Trips		
c. Swab		
d. Testing		
e. Addit		
TOTAL	12	12

TIME SUMMARY (Office Use Only)

"A" Rate		
"B" Rate		
"C" Rate		
"D" Rate		
Total Day Work		

WIRE LINE RECORD

Reel No: EIGHT.

No. of Lines: 8 Size: 1⅛

Slipped: 33

Cut off: —

Present Length: 1500

Dist Since Last Cut: 502

Cumulative Dist: 23361

No. of Days from Spud: 25

BIT RECORD

No.	Drilling Assembly at End of Tour			BIT RECORD	
	BIT			Bit No.	
				Size	
	DC'S			Mfg.	
	I.D.	O.D.		Type	
				Nozzles	
	DC'S.			Size	
	I.D.	O.D.		Ser. No.	
				Depth Out	
				Depth in	
	DC'S			Total Drilled	
	I.D.	O.D.		Total Hrs. Run	
				Condition T/B/Gage	
	Stands D.P.			Stab	
	Singles D.P.			Jars	
	Kelly Down			Shock Sub	
TOTAL				Corr. Ring	
WT. OF String					

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER: [signature]

DEPTH DRILLED / FORMATION

From	To	DRD RM-R Core C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sngl-S Parallel

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000	0830	8½	RUN 5½ CSG.
0830	0900	½	RIG UP CEMENT HEAD
0900	1000	1	CIRC
1000			PUMP 15 BBLS OF PRE FLUSH
			TEST SURFACE LINES TO 2500 PSI
			PUMP 5 BBLS PRE FLUSH
			RELEASE BOTTOM PLUG PUMP
	1130	1½	CEMENT AND DISPLACE PLUG BUMP @ 1115 HRS.
1130	1200	½	NIPPLE DOWN BOPS TO CUT CSG
			AND SET SLIPS

MEETING / DRILLS

B.O.P. Drill	
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	

PARTS USED:

UP STROKE 90,000 LBS

DOWN STROKE 60,000 LBS

DP @ 1200 HRS

LOC: | DRK:

STRING: | RACK:

TOTAL: 174

DAY TOUR

CREW	NAME
T.P.	NEVILLE SLUTCHEON
DRLR.	BILL MASON
A.D.	
DRK. MAN	SHANE McCONNACHY
L'FLR. MAN	HAGAN WALSH
FLR. MAN	OWEN KAESLER
FLR. MAN	JAMES AMOS
FLR. MAN	
R. ABOUT	HOANI MURRAY
R. ABOUT	
MECH.	STAN MASON
ELECT.	G. NANKIVEL
WELDER	
PLANT OP.	

BIT RECORD

No.	Drilling Assembly at End of Tour			BIT RECORD	
	BIT			Bit No.	
				Size	
	DC'S			Mfg.	
	I.D.	O.D.		Type	
				Nozzles	
	DC'S			Size	
	I.D.	O.D.		Ser. No.	
				Depth Out	
				Depth in	
	DC'S			Total Drilled	
	I.D.	O.D.		Total Hrs. Run	
				Condition T/B/Gage	
	Hvy. Wt.			Stab	
	Stands D.P.			Jars	
	Singles D.P.			Shock Sub	
	Kelly Down			Core	
TOTAL					
WT. OF					

MUD RECORD

Time	1400	1600	1800
Weight PPG.			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER: [signature]

DEPTH DRILLED / FORMATION

From	To	DRD RM-R Core C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sngl-S Parallel

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200			CONT. NIPPLE DOWN B.O.P.
	1700	5	ROUGH CUT CSG & LIFT BOPS [SET CSG SLIPS]
1700			SET UP ROTARY TOOLS FOR
	1800	1	INSPECTION.
1800			N.D & L.O MUDX. P.U. & INSTALL
			TBG SPOOL & DOWN HOLE & KILL
	2400	6	LINE P.U. X/O & NIPPLE UP.
			INSTALL PACKING IN C SECTION.

Operation changed from Drilling to Completion at 18:00 hrs

MEETING / DRILLS

B.O.P. Drill	
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	

PARTS USED:

D.P. @ 2400 HRS

LOC: 174 | DRK: —

STRING: — | RACK: —

EVENING TOUR

CREW	NAME
T.P.	
DRLR.	JOHN PRINCETON
A.D.	
DRK. MAN	GARY FREST
L'FLR. MAN	SIMON LINNETT
FLR. MAN	SEAN CROUNS
FLR. MAN	MICK TIDSWELL
FLR. MAN	
R. ABOUT	MATT PIERCE.
R. ABOUT	

TOOLPUSHER NOTES

UNLOAD TBG & LOAD OUT SURPLUS 5½" CSG.

RIG [redacted] BER [redacted] TWENTY FOUR [redacted] L D[redacted] LIN[redacted] & E[redacted] OF[redacted] ON[redacted] MIT[redacted] GR[redacted] A[redacted] 85 70[redacted] 3[redacted]

WELL NAME & No.	EAST MEREENIE 37	DATE: 21	DAY OF JUNE	MONTH 95	COUNTRY: AUSTRALIA
REPORT No.	26	ACCIDENT FREE DAYS @ 2400HRS.	120		
OPERATOR	SANTOS	CONTRACTOR	OIL DRILLING & EXPLORATION		
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF OD+E. TOOL PUSHER			

D.P. SIZE	WT	GRADE	TOOL JT. O.D.	THREAD TYPE
4½	16.6	E	6¼	4 FH

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6	9
2	EMSCO	F800	6	9

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	5½ 17#	LTC	17.0 L80	133	1593.76	6.1	1579.96

STOCK ON HAND AT RIG SITE					
ENGINE OIL	700	LTRS	HYD. OIL	840	LTRS
DISTILLATE: REC'D	LTRS	GEAR OIL	840	LTRS	OXY. 5
DISTILLATE: RIG	LTRS 11912	RIG USED	1051	LTRS	ACET. 3
DISTILLATE: CAMP	600 LTRS 1227	CAMP USED	300	LTRS	NITRO. 8

Time Distributions - Hours		
Rig Up & Tear Down		
Drilling Actual		
Reaming		
Coring		
Cond. Mud & Circulate		1½
Trips		
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey		
Wireline logs		
Run Casing & Cement		
Waiting on Cement		
Nipple Up B.O.P.	3	
Test B.O.P.		
Drill Stem Test		
Fishing		
OSC	1½	
RIG UP	2½	
OTHER		3½
SUB-TOTAL		
COMPLETION WORK a Perf		
b Tubing Trips	5	7
c Swab		
d Testing		
e Addit		
TOTAL		12

TIME SUMMARY (Office Use Only)	
"A" Rate	
"B" Rate	
"C" Rate	
"D" Rate	
Total Day Work	

WIRE LINE RECORD	
Reel No.	EIGHT
No. of Lines	8 Size 1⅛
Slipped	33
Cut off	—
Present Length	1500
Dist. Since Last Cut	560
Cumulative Dist.	23919
No. of Days from Spud	26

No.	Drilling Assembly at End of Tour		
	BIT		
	DC'S	I.D.	O.D.
	DC'S	I.D.	O.D.
	DC'S	I.D.	O.D.
	Stands D.P.		
	Singles D.P.		
	Kelly Down		
	TOTAL		
	WT. OF String		

BIT RECORD	
Bit No.	
Size	
Mfg.	
Type	
Nozzles	
Size	
Ser. No.	
Depth Out	
Depth in	
Total Drilled	
Total Hrs. Run	
Condition T./B/Gage	
Stab	
Jars	
Shock Sub	
Corr. Ring	

MUD RECORD			
Time	0200	0400	0600
Weight PPG			
Visc Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Mud & Chemicals Added			
Type		Amt.	
DRILLER			

DEPTH DRILLED		DRD RMR Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Single Parallel
From	To											
1600	TD											

Diviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000			INSTALL X/O SPOOL NIPPLE UP B.O.P.
	0300	3	CHANGE OUT RAMS INSTALL 2⅜ RAMS
0300	0430	1½	CLEAN AND MEASURE TUBING.
0430			LAY OUT CASING RUNNING EQUIPMENT
	0700	2½	RIG UP TO RUN TUBING.
0700			RUN 2⅜ TUBING WITH CASING
	1200	5	SCRAPER.

MEETING / DRILLS	
B.O.P. Drill	
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	

PARTS USED:
LRP-95-830 1 only
2⅜ CDI TONG DIES.
4 only.

DP @ 1200 HRS.			
LOC:		DRK:	
STRING:		RACK:	
TOTAL:			

DAY TOUR	
CREW	NAME
T.P.	NEVILLE SCUTCHEON
DRLR.	BILL MASON
A.D.	
DRK. MAN	SHANE McCONNACHY
L'FLR. MAN	HAAGAN WALSH
FLR. MAN	OWEN KAESLER
FLR. MAN	JAMES AMOS
FLR. MAN	
R. ABOUT	HOANI MURRAY
R. ABOUT	
MECH.	STAN MASON
ELECT.	G. NANKIVEL
WELDER	
PLANT OP:	

BIT RECORD	
Bit No.	
Size	
Mfg.	
Type	
Nozzles	
Size	
Ser. No.	
Depth Out	
Depth in	
Total Drilled	
Total Hrs. Run	
Condition T./B/Gage	
Stab	
Jars	
Shock Sub	
Core Ring	

MUD RECORD			
Time	1400	1600	1800
Weight PPG.			
Visc Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Mud & Chemicals Added			
Type		Amt.	
DRILLER			

DEPTH DRILLED		DRD RMR Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Single Parallel
From	To											
1600	—											

Diviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200			CONT. SCRAPER RUN w/ 2⅞ TBG.
	1430	2½	TAG PBTD @ 1577.30 KB.
1430	1600	1½	R.U & CIRC 115 BBLS W/ HOWCO.
1600			L/O 10X JTS TBG. R.U. BELLY
	2130	4½	ARM IN DERRICK & POOH.
2130			BREAK OUT BIT & SCRAPER.
			PACK AWAY HANDLING EQUIP. ETC.
	2400	3½	PREPARE FOR RIG RELEASE.
			RE-ASSEMBLE ROTARY TOOLS
			AFTER INSPECTION.

MEETING / DRILLS	
B.O.P. Drill	
A.D.	
DRK. MAN	GARY PREST
L'FLR. MAN	SIMON LINNETT
FLR. MAN	SEAN OZGUNS
FLR. MAN	MICK TIDSWELL
FLR. MAN	
R. ABOUT	MATT PIERCE
R. ABOUT	
H_2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	FUNCTION PIPE RAMS

PARTS USED:
4X JTS 2⅜ EUE ON RACKS
FOR TAIL PIPE.

DP @ 2400 HRS	2⅜ TBG.		
LOC:		DRK: 166	
STRING:		RACK: 19	
TOTAL: 175 JTS TBG			

EVENING TOUR	
CREW	NAME
T.P.	
DRLR.	JOHN PRINCETON
A.D.	
DRK. MAN	GARY PREST
L'FLR. MAN	SIMON LINNETT
FLR. MAN	SEAN OZGUNS
FLR. MAN	MICK TIDSWELL
FLR. MAN	
R. ABOUT	MATT PIERCE
R. ABOUT	

TOOLPUSHER NOTES

WHILE CIRC. W/ HOWCO, RUPTURE 2" FLEXI HOSE.

OIL DRILLING & EXPLORATION LIMITED (TOUR) 1000 3

JMB TWENTY FOUR

No.

WELL NAME & No. EAST MERIEENIE

OPERATOR SANTOS

SIGNATURE OF OPERATOR'S REPRESENTATIVE

DATE 23 DAY OF JUNE MONTH 1995 COUNTRY: AUSTRALIA REPORT No 27

CONTRACTOR OIL DRILLING + EXPLORATION

SIGNATURE OF OD+E. TOOL PUSHER

ACCIDENT FREE DAYS @ 2400HRS. 121

D.P. SIZE	WT	GRADE	TOOL JT O.D.	THREAD TYPE
4½	16.6	E	6¼	4IF

	MFG.	TYPE	LINER	STROKE
1	EMSCO	F800	6	9
2	EMSCO	F800	6	9

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GRADE	No. Jnts.	LENGTH	Rkb/Csg. HD.	SET AT
	5½	LTC	17.0 L.80	133	1549.76	6.1	1579.96

STOCK ON HAND AT RIG SITE			
ENGINE OIL	700 LTRS	HYD. OIL	840 LTRS
GEAR OIL	840 LTRS	OXY.	5
DISTILLATE: REC'D	LTRS	ACET.	2
DISTILLATE: RIG	11392 LTRS	RIG USED	520 LTRS
DISTILLATE: CAMP	921 LTRS	CAMP USED	300 LTRS.
		NITRO.	3

Time Distributions - Hours

Rig Up & Tear Down		
Drilling Actual		
Reaming		
Coring		
Cond. Mud & Circulate		
Trips		
Lubricate Rig		
Repair Rig		
Slip & Cut Drlg. Line		
Dev. Survey		
Wireline logs	1	5
Run Casing & Cement		
Waiting on Cement	11	
Nipple Up B.O.P.		2
Test B.O.P.		
Drill Stem Test		
Fishing		
SUB-TOTAL	12	
COMPLETION WORK: a Perf		
b Tubing Trips		5
c Swab		
d Testing		
e Addit		
TOTAL	12	12

TIME SUMMARY (Office Use Only)

"A" Rate		
"B" Rate		
"C" Rate		
"D" Rate		
Total Day Work		

WIRE LINE RECORD

Reel No	EIGHT
No. of Lines	8
Size	1/8
Slipped	33
Cut off	—
Present Length	1600
Dist Since Last Cut	589
Cumulative Dist	23948
No. of Days from Spud	3

Drilling Assembly at End of Tour

No.		
	BIT	
	DC'S	
	I.D.	O.D.
	DC'S	
	I.D.	O.D.
	DC'S	
	I.D.	O.D.
	Stands D.P.	
	Singles D.P.	
	Kelly Down	
	TOTAL	
	WT. OF String	

BIT RECORD

Bit No.		
Size		
Mfg.		
Type		
Nozzles		
Size		
Ser. No.		
Depth Out		
Depth In		
Total Drilled		
Total Hrs. Run		
Condition T./B/Gage		
Stab		
Jars		
Shock Sub		
Corr. Ring		

MUD RECORD

Time	0200	0400	0600
Weight PPG			
Visc Sec			
W.L. C.C.			
FLTR.			
PH.			
SAND %			
Time	0800	1000	1200
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR.			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER

DEPTH DRILLED / FORMATION

From	To	D+D Run Core C.	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sig-S Pa'ml-P

Diviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
0000			WAIT ON CEMENT
			WHILE WAITING ON CEMENT PACK
			UP DRILLING EQUIPMENT READY FOR
	1100	11	RIG MOVE.
1100	1130	½	RIG UP SLUMBERGER
1130	1200	½	LOG #1 CBL-GR.

MEETING / DRILLS

B.O.P. Drill	
H^2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	

PARTS USED:

DP @ 1200 HRS.

LOC:	DRK:
STRING:	RACK:
TOTAL:	

DAY TOUR

CREW	NAME
T.P.	NEVILLE SCUTCHEON
DRLR.	BILL MASON
A.D.	
DRK. MAN	SHANE McCONNACHY
L'FLR. MAN	HAAGAN WALSH
FLR. MAN	OWEN KAESLER
FLR. MAN	JAMES AMOS
FLR. MAN	
R. ABOUT	HOANI MURRAY
R. ABOUT	
MECH.	STAN MASON
ELECT.	G. NANKIVEL
WELDER	
PLANT OP:	

BIT RECORD

Bit No.		
Size		
Mfg.		
Type		
Nozzles		
Size		
Ser. No.		
Depth Out		
Depth In		
Total Drilled		
Total Hrs. Run		
Condition T./B/Gage		
Stab		
Jars		
Shock Sub		
Core		

MUD RECORD

Time	1400	1600	1800
Weight PPG.			
Visc Sec.			
W.L. C.C.			
FLTR			
PH.			
SAND %			
Time			
Weight PPG			
Visc. Sec.			
W.L. C.C.			
FLTR			
PH.			
SAND %			

Mud & Chemicals Added

Type	Amt.

DRILLER

DEPTH DRILLED / FORMATION

From	To	D+D Run Core C	Core No	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit	Pump Pres.	PUMP 1 Liner Size	PUMP 1 SPM	PUMP 2 Liner Size	PUMP 2 SPM	Method Sig-S Pa'ml-P

Diviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200	1400	2	CONT. LOG #1 CBL-GR.
1400	1430	½	RD DOWN SCHLUMBERGER.
1430	1630	2	M.U. & RUN GUNS, PACKER ETC.
1630	1930	3	RIH W/ 2⅜ TBG STRING.
1930			M.U. RIP JTS & LAND TBG.
	2000	½	R.U. SCHLUMBERGER.
2000	2100	1	RUN GR. CCL W/ SCHLUM.
2100			R.D. SCHLUMBERGER, P.U
			TBG STRING. INSTALL BACK
	2200	1	PRESSURE VALVE, RE-LAND.
2200	2300	2.	N.D. BOPS,

MEETING / DRILLS

B.O.P. Drill	
H^2S Drill	
Fire Drill	
Search & Rescue	
Safety Meeting	

PARTS USED:

D.P. @ 2400 HRS

LOC:	DRK:
STRING:	RACK:
TOTAL:	

EVENING TOUR

CREW	NAME
T.P.	
DRLR.	JOHN PRINCETON
A.D.	
DRK. MAN	GARY PREST.
L'FLR. MAN	SIMON LINNETT
FLR. MAN	SEAN OZOLINS.
FLR. MAN	MICK TIDSWELL
FLR. MAN	
R. ABOUT	MATT PICKLE.
R. ABOUT	

TOOLPUSHER NOTES