PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 18-OCT-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	25,571	1,306,319	8,500	24

DRILLING DATA

Depth at 24:00	6422	Footage 24:00	249	Days on Loc.	92
Drlg. Days	44 1/4	Days on Well	47	Drlg. AHD(BHD	

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
17RR	8 1/2'	DS70FVA	3x18 3x16	18	110	6221'	48	5
18RR	8 1/2"	M88PX	6 x 16	18	110	6422	201	6.5

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.7	58	21	27	1.4	0.3	25000	200	5.1	21,0	15.0

MUD PUMP

GPM 501

PSI 1800

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		11.50		12.50			
Cumulative	15.00	343.50	1.50	672.50	33.50		62.00

COMMENTS

POOH; CHANGED BIT; RIH TO 6171' AND WASHED OUT TO BOTTOM (6221'); DRILLED TO 6422'

00:00 TO 06;00 : DRILLED TO 6579'; AT REPORT TIME CIRCULATING TO SHORT TRIP

Last Modification : 18-OCT-02 08:12 AM Daily Footage 249 Monthly Cumul : 3,969 Yearly Cumul : 57,897

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 17-OCT-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	27,032	1,280,748	8,500	24

DRILLING DATA

Depth at 24:00	6173	Footage 24:00	157	Days on Loc.	91
Drlg. Days	43 1/4	Days on Well	46	Drlg. AHD(BHD	

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
16RR	8 1/2"	M88PX	6 x 16	15	60/PP	6173	157	5.5
17RR	8 1/2"	DS70	3x18 3x16	-	-	-	-	-

SURVEYS

M.D.	Angle	Direction
5976	49.0	N 60.5 W
5069	48.1	N 59.8 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.7	58	19	31	1.1	0.2	26000	320	5.4	18,0	15.0

MUD PUMP

GPM 512

PSI 2450

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		5.50		18.50			
Cumulative	15.00	332.00	1.50	660.00	33.50		62.00

COMMENTS

CIRCULATED AND SLUG PLUG; POOH JOINT BY JOINT CIRCULATING TO 4511'; CIRCULATED; POOH IN STANDS; L/D MUD MOTOR AND MONELS; CHANGED BIT AND RIH W/ BHA (0' - 30') TAG AT 4631'; RIH W/ CIRCULATION TO 4718'; THEN IN STANDS AT 5283'

00:00 TO 06:00 : CONTINUE RIH TO BOTTOM (6173'); DRILLED TO 6221'; AT REPORT TIME CIRCULATING FOR TRIP TO CHANGE BIT

Last Modification : 17-OCT-02 08:55 AM | Daily Footage 157 | Monthly Cumul : 3,720 | Yearly Cumul : 57,648

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 16-OCT-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	27,087	1,253,716	8,500	24

DRILLING DATA

Depth at 24:00	6016	Footage 24:00	533	Days on Loc.	90
Drlg. Days	42 1/4	Days on Well	45	Drlg. AHD(BHD	

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
16RR	8 1/2"	M88PX	6 x 16	10/25	60/PP	6016	533	21

SURVEYS

M.D.	Angle	Direction
5881	48.7	N 60.5 W
5789	48.4	N 59.9 W
5694	49.5	N 61.2 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.7	60	20	32	1.6	0.15	26000	240	5.6	19,0	15.0

MUD PUMP

GPM 512

PSI 2450

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		21.00		3.00			
Cumulative	15.00	326.50	1.50	641.50	33.50		62.00

COMMENTS

DRILLED (SLIDING AND ROTATING) FROM 5639' TO 5765'; CIRC. AND PUMPED LOW VISCOSITY PILL; SHORT TRIP TO 5255'' DRILLING (SLIDING AND ROTATING) AT 6016'

00:00 TO 06:00 : CONTINUE DRILLING TO 6047'; SCHLUMBERGER CHANGED GAMMA RAY DEPTH SENSOR; DRILLING TO 6173'; AT REPORT TIME CIRCULATING TO SHORT TRIP

NOTE : GR DEPTH SENSOR IS PLACED ON DRUM

Last Modification : 16-OCT-02 08:17 AM | Daily Footage 533 | Monthly Cumul : 3,563 | Yearly Cumul : 57,491

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 15-OCT-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	27,372	1,226,629	8,500	24

DRILLING DATA

Depth at 24:00	5483	Footage 24:00	532	Days on Loc.	89
Drlg. Days	41 1/4	Days on Well	44	Drlg. AHD(BHD	

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
16RR	8 1/2"	M88PX	6 x 16	10/30	60/PP	5483	532	19.5

SURVEYS

M.D.	Angle	Direction
5411	51.7	N 61.9 W
5317	51.7	N 61.2 W
5223	53.3	N 61.2 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.5	50	27	31	2.4	0.35	27000	160	5.4	18,5	14.0

MUD PUMP

GPM 512

PSI 2450

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		19.50		4.50			
Cumulative	15.00	305.50	1.50	638.50	33.50		62.00

COMMENTS

CONTINUED DRILLING (SLIDING AND ROTATING) FROM 5044' TO 5358'; CIRCULATED AND PUMPED LOW VISCOSITY PILL; SHORT TRIP TO 4848'; DRILLED (SLIDING AND ROTATING) TO 5483'

00:00 TO 06:00 : CONTINUE DRILLING (SLIDING AND ROTATING) AT 5639'

NOTE : MUD WT. WAS RAISED FROM 11.5 TO 11.7 PPG

Last Modification : 15-OCT-02 08:19 AM Daily Footage 532 Monthly Cumul : 3,030 Yearly Cumul : 56,958

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 14-OCT-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	26,120	1,199,257	8,500	24

DRILLING DATA

Depth at 24:00	4951	Footage 24:00	234	Days on Loc.	88
Drlg. Days	40 1/4	Days on Well	43	Drlg. AHD(BHD	

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
15RR	8 1/2"	GTM-1	2x22 1x18	10/18	100	4661	4	1
16RR	8 1/2"	M88PX	6x16	10/18	50/PP	4951	230	12.5

SURVEYS

M.D.	Angle	Direction
4847	57.0	N 60.5 W
4753	57.2	N 59.8 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.5	51	20	23	2.6	0.6	21000	200	5.2	18,0	14.0

MUD PUMP

GPM 512

PSI 2200

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		13.50		10.50			
Cumulative	15.00	286.00	1.50	634.00	33.50		62.00

COMMENTS

RIH W/ MUD MOTOR TO 4661'; CONTINUED SIDE TRACKING (DRILLING AND SLIDING) TO 4951'; CIRC. AND DISPLACED LOW VISCOSITY PILL

00:00 TO 06:00 : MADE SHORT TRIP TO 9 5/8" CSG.; DRILLING (SLIDING AND ROTATING) AT 5044'

RIO BRAVO Fm. AT 4830'

Last Modification : 14-OCT-02 09:04 AM | Daily Footage 234 | Monthly Cumul : 2,498 | Yearly Cumul : 56,426

SDR009A1.RDF

4951
4505
446
51

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 13-OCT-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	29,860	1,173,137	8,500	24

DRILLING DATA

Depth at 24:00	4657	Footage 24:00	85	Days on Loc.	87
Drlg. Days	39 1/4	Days on Well	42	Drlg. AHD(BHD	(25)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
14RR	8 1/2"	M88PX	6 x 16	10/20	PP	4651	79	9
15RR	8 1/2"	GTM-1	2x22 1x18	5	100	4657	6	1

SURVEYS

M.D.	Angle	Direction
4565	61	N 62.5 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.5	50	18	21	3.0	0.8	24000	440	5.0	17,0	14.0

MUD PUMP

GPM 512

PSI 1600

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		10.00		13.50	.50		
Cumulative	15.00	286.00	1.50	634.00	33.50		62.00

COMMENTS

DRILLED (SLIDING) FROM 4604' TO 4625'; WORKED DRILL STRING AND CIRCULATED TO CLEAN HOLE; DRILLED TO 4651'; WORKED DRILL STRING AND CIRCULATED; POOH TO 9 5/8" SHOE; RIH JOINT BY JOINT CIRCULATING TO 4628' AND DISPLACED PILL W/ ASPHALT; POOH L/D MUD MOTOR; RIH SLICK ASSY W/ TRICONIC BIT TO 4464'; REPAIRED SWECO SHALE SHAKER; RIH CIRCULATING TO 4651'; DRILLED TO 4657'

00:00 TO 06:00 : DRILLED TO 4661'; CIRCULATED AND PUMPED LOW VISCOSITY PILL; MADE SHORT TRIP TO SHOE; DISPLACED HIGH VISCOSITY PILL AND POOH; M/U MUD MOTOR AND MONELS

Last Modification : 14-OCT-02 09:08 AM Daily Footage 85 Monthly Cumul : 2,264 Yearly Cumul : 56,192

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 12-OCT-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	26,746	1,143,277	8,500	24

DRILLING DATA

Depth at 24:00	4572	Footage 24:00	37	Days on Loc.	86
Drlg. Days	38 1/4	Days on Well	41	Drlg. AHD(BHD	(24 1/4)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
13RR	8 1/2"	GTM-1	3 x 18	-	-	-	CMT	-
14RR	8 1/2"	M88PX	6 x 16	10	60/PP	4572	37	1.5

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.4	54	17	20	2.0	0.6	22000	480	5.8	18,0	13.5

MUD PUMP

GPM 512

PSI 2000

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		1.50		22.50			
Cumulative	15.00	286.00	1.50	634.00	33.50		62.00

COMMENTS

CONTINUED W.O.C.; DRILLED OUT CEMENT FROM 4379' TO 4535'; CIRCULATED AND DISPLACED CONTAMINATED MUD; POOH W/ SLICK ASSY; RIH W/ MUD MOTOR TO 4535'; SIDE TRACKING HOLE (DRILLING AND SLIDING) TO 4565'; CIRCULATED TO CLEAN WELL; ; CONT. SIDE TRACKING TO 4732'

00:00 TO 06:00 ; MADE SIDE TRACK DRILLING AT 4604'

DITCH SAMPLE : 70% FORMATION AND 30% CEMENT

Last Modification : 14-OCT-02 09:09 AM | Daily Footage 37 | Monthly Cumul :2,179 | Yearly Cumul : 56,107

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 11-OCT-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	18,787	1,116,531	8,500	24

DRILLING DATA

Depth at 24:00	6647	Footage 24:00		Days on Loc.	85
Drlg. Days	37 1/4	Days on Well	40	Drlg. AHD(BHD	(16 3/4)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia: MI DRLG. FLUID Type: FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.3	60	22	29	0.8	0.15	20000	200	5.4	16,0	12.0

MUD PUMP

GPM

PSI

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				24.00			
Cumulative	15.00	261.00	1.50	587.50	33.00		62.00

COMMENTS

W.O.C.

00:00 TO 06:00 : CONTINUE W.O.C.; RIH W/ SLICK ASSY TO 4234' (CEMENT TOP); DRILLING OUT CEMENT (MEDIUM) TO 4379'

Last Modification : 11-OCT-02 08:21 AM

Daily Footage | Monthly Cumul : 2,142 | Yearly Cumul : 56,070

SDR009A1.RDF

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 10-OCT-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	21,889	1,097,744	8,500	24

DRILLING DATA

Depth at 24:00	6647	Footage 24:00		Days on Loc.	84
Drlg. Days	36 1/4	Days on Well	39	Drlg. AHD(BHD	15 3/4

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.4	60	22	29	0.8	0.15	20000	200	5.2	16,0	12.0

MUD PUMP

GPM

PSI

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				6.00			18.00
Cumulative	15.00	261.00	1.50	563.50	33.00		62.00

COMMENTS

POOH W/ DIFFICULTY JOINT BY JOINT TO SHOE, THEN IN STANDS TO SURFACE; RECOVERED 11 HW's, 1 DC AND 1 DRILL COLLAR PARTED; RIH W/ DIVERTER TOOL TO 5000'; CIRCULATED AND SET HEAVY SWEEP; POOH TO 4837'; BJ PUMPING CEMENT PLUG

00:00 TO 06:00 : BJ FINISHED SETTING CEMENT PLUG (37 BBLS OF SLURRY); POOH TO 3805' AND CIRCULATED; W.O.C.

NOTE :
LEFT IN HOLE : 8 1/2" MA89PX BIT, MUD MOTOR, X/O, FLOAT SUB, STAB., PONY MONEL, UBHO, 2 MONELS, 2 DRILL COLLAR (TOTAL 169.05')

Last Modification : 10-OCT-02 08:10 AM | Daily Footage | Monthly Cumul : 2,142 | Yearly Cumul : 56,070

SDR009A1.RDF

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PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 09-OCT-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	17,439	1,075,855	8,500	24

DRILLING DATA

Depth at 24:00	6647	Footage 24:00		Days on Loc.	83
Drlg. Days	35 1/4	Days on Well	38	Drlg. AHD(BHD	(14 3/4)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
12RR	8 1/2"	MA89PX	3x15 3x16	-	-	-	-	-

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.2	60	21	29	0.8	0.8	20000	240	5.6	16,0	11.0

MUD PUMP

GPM

PSI

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily							24.00
Cumulative	15.00	261.00	1.50	557.50	33.00		44.00

COMMENTS

RIH W/ OPENED END HEAVY WATE TO SHOE; CIRCULATED, GAS CUT MUD ; RAISED MUD WT. FROM 11.0 TO 11.2 PPG; CONTINUED RIH TO 5724' (FISH TOP); WORKED AND CAUGHT FISH; HLS M/U AND RIH SEVERING TOOL W/ PUMP PRESSURE

00:00 TO 06:00 : RIH SEVERING TOOL TO 6126'; SHOT AND CUT BETWEEN 2nd. AND 3rd. DC's; WORKED STRING TO FREE; POOH, WORKING W/ KELLY (12 JOINTS)

Last Modification : 09-OCT-02 10:20 AM | Daily Footage | Monthly Cumul : 2,142 | Yearly Cumul : 56,072

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 08-OCT-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	22,767	1,005,932	8,500	24

DRILLING DATA

Depth at 24:00	6647	Footage 24:00		Days on Loc.	82
Drlg. Days	34 1/4	Days on Well	37	Drlg. AHD(BHD	(13 3/4)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
12RR	8 1/2"	MA89PX	3x15 3x16	-	-	-	-	-

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.0	58	18	29	0.8	0.2	20000	240	5.6	16,0	14.0

MUD PUMP

GPM

PSI

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				24.00			
Cumulative	15.00	223.50	1.50	547.00	33.00		20.00

COMMENTS

RAN STRING SHOT W/ PUMP PRESSURE AT 6130'; WORKED STRING TO APPLY TORQUE; MADE MECHANIC BACK OFF; RAN CCL; DETECTED UNSCREW AT 5724'; ATTEMPTED RECOVER CCL, NEGATIVE; POOH DRILL PIPE, CUTTING WIRE LINE CABLE IN EACH STAND

00:00 TO 06:00 : FINISHED POOH STRING AND RECOVERED CCL

LEFT IN HOLE : BIT, POWER PAK, X-O, FLOAT SUB, STAB., SNMDC, UBHO, 2 NMDC, 4 DC's, X-O, 11 HW's (TOTAL 563')

NEXT STEP : RUN ASSY TO FISH

Last Modification : 09-OCT-02 08:22 AM | Daily Footage | Monthly Cumul : 525 | Yearly Cumul : 54,453

SDR009A1.RDF

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 07-OCT-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	22,838	983,165	8,500	24

DRILLING DATA

Depth at 24:00	6647	Footage 24:00		Days on Loc.	81
Drlg. Days	33 1/4	Days on Well	36	Drlg. AHD(BHD	(12 3/4)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
12RR	8 1/2"	MA89PX	3x15 3x16	-	-	-	-	-

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.0	58	18	29	0.8	0.1	20000	240	5.6		14.0

MUD PUMP

GPM

PSI

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				24.00			
Cumulative	15.00	223.50	1.50	547.00	33.00		20.00

COMMENTS

HLS RIH W/ MWD FISHING TOOL, NO PASS TO 4818'; POOH; M/U INJECTION HEAD IN 5" DRILL PIPE; RIH FISHING TOOL W/ PUMP PRESSURE AT 6214' AND RECOVERED MWD-GR; RIH W/ FREE POINT DETECTOR, NO PASS TO 5050'; POOH; GAUGE SENSOR; RUNNING DETECTOR AT 2194'

00:00 TO 06:00 : RAN DETECTOR W/ PUMP PRESSURE TO 6194', NO PASS (RECORD AT 6160', FREE 30%; AT 6130', 100% FREE); AT REPORT TIME RUN STRING SHOT BACK OFF AT 200'

NEXT STEP : MADE BACK OFF AT 6148' (BETWEEN 3th AND 4th DC's)

Last Modification : 09-OCT-02 08:27 AM | Daily Footage | Monthly Cumul : 525 | Yearly Cumul : 54,453

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 06-OCT-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	24,242	1,012,811	8,500	24

DRILLING DATA

Depth at 24:00	6647	Footage 24:00	587	Days on Loc.	80
Drlg. Days	32 1/4	Days on Well	35	Drlg. AHD(BHD	(11 3/4)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.

SURVEYS

M.D.	Angle	Direction
6538	60.6	N 59.1 W
6444	61.0	N 58.9 W
6350	61.5	N 57.8 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.0	60	20	30	0.8	0.2	18000	200	5.6	16,0	13.0

MUD PUMP

GPM 476

PSI 2150

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		17.00		7.00			
Cumulative	15.00	261.00	1.50	509.50	33.00		20.00

COMMENTS

DRILLED FROM 6226' TO 6647'; CIRC.; MADE SHORT TRIP TO 6325' (MOP 220,000#); WORKED IN TIGHT HOLE 6325' TO 6294'; WORKED STRING TO FREE (245,000#); REAMED W/ DIFFICULTY FROM 6294' TO 6334' (PARTIAL CIRCULATION) HIGH TORQUE, LOSS CIRULATION; LEFT KELLY (BIT AT 6294'; ATTEMPTED PULL W/ JAR, NEGATIVE; WORKED STUCK PIPE

00:00 TO 06:00 : WORKED STUCK PIPE; AT REPORT TIME R/U HLS EQUIPMENT TO FISH MWD-GR

Last Modification : 06-OCT-02 08:07 AM | Daily Footage 587 | Monthly Cumul : 2,142 | Yearly Cumul : 56,072

SDR009A1.RDF

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 05-OCT-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	28,242	988,569	8,500	24

DRILLING DATA

Depth at 24:00	6060	Footage 24:00	1030	Days on Loc.	79
Drlg. Days	31 1/4	Days on Well	34	Drlg. AHD(BHD	(11 3/4)

BIT DATA

N°	Size	Type	Jets		WOB	RPM	Deph	Footage	Hrs.
12RR	8 1/2"	MA89PX	3x15	3x16	12	60/PP6060		1030	20.5

SURVEYS

M.D.	Angle	Direction
5973	61.70	N 59.00 W
5879	61.40	N 59.00 W
5691	61.10	N 60.50 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
10.8	56	17	26	0.9	0.25	18500	160	5.6	16,5	13.0

MUD PUMP

GPM 484

PSI 2050

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		20.50		3.50			
Cumulative	15.00	244.00	1.50	502.50	33.00		20.00

COMMENTS

DRILLED FROM 5265' TO 5673'; CIRC.; MADE SHORT TRIP TO 5163'; DRILLED TO 6060'

00:00 TO 06:00 : DRILLED TO 6080'; CIRC.; MADE SHORT TRIP 5 STANDS; DRILLING AT 6226'

Last Modification : 05-OCT-02 08:13 AM

Daily Footage 1030 Monthly Cumul : 1,555 Yearly Cumul : 55,485

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 04-OCT-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	26,510	960,327	8,500	24

DRILLING DATA

Depth at 24:00	5030	Footage 24:00	515	Days on Loc.	78
Drlg. Days	30 1/4	Days on Well	33	Drlg. AHD(BHD	(15 1/20

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
12RR	8 1/2"	MA89PX	3x15 3x16	12	60/PP	5030	515	13

SURVEYS

M.D.	Angle	Direction
4939	60.8	N 61.9 W
4751	61.3	N 62.1 W
4745	61.5	N 62.7 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
10.7	53	16	22	0.8	0.3	18000	120	5.6	17,0	12.0

MUD PUMP

GPM 524

PSI 2050

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		13.00		11.00			
Cumulative	15.00	223.50	1.50	499.00	33.00		20.00

COMMENTS

DRILLED FROM 4690' TO 4858'; RAISED MUD WT. FROM 10.5 TO 10.7 PPG BY GAS; MADE TRIP TO CHANGE MWD; DRILLED TO 5030'

00;00 TO 06;00 : DRILLED TO 5265'; SHORT TRIP TO 4755', OK.; AT REPORT TIME PUTTING KELLY TO RESTART DRILLING

Last Modification : 04-OCT-02 09:03 AM Daily Footage 515 Monthly Cumul : 525 Yearly Cumul : 54,453

SDR009A1.RDF

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 03-OCT-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	28,692	933,817	8,500	24

DRILLING DATA

Depth at 24:00	4515	Footage 24:00	10	Days on Loc.	77
Drlg. Days	29 1/4	Days on Well	32	Drlg. AHD(BHD	(15 1/4)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
11RR	8 1/2"	GTM-1	3 x 18	15	100	4515	10	0.5
12RR	8 1/2"	MA88PX	3x15 3x16	-	-	-	-	-

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia: MI DRLG. FLUID Type: FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
10.3	54	15	22	0.8	0.4	17000	100	5.5	14,0	9.0

MUD PUMP

GPM 489

PSI 1400

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				24.00			
Cumulative	15.00	210.50	1.50	488.00	33.00		20.00

COMMENTS

FINISHED WELDING FLOWLINE; TESTED BLIND RAMS, LINES AND KILL MANIFOLD W/ 1500 PSI, OK.; RIH 8 1/2" BIT W/ SLICK ASSY TAG AT 4410'; TESTED PIPE RAMS W/ 1500 PSI AND ANNULAR W/ 1000 PSI, OK.; DRILLED OUT CEMENT AND SHOE TO 4505' AND FORMATION TO 4515'; POOH; RIH PDC BIT W/ MUD MOTOR

00:00 TO 06:00 : FINISHED RIH TO 4515'; DRILLING AT 4690'

Last Modification : 03-OCT-02 08:10 AM

Daily Footage 10 Monthly Cumul : 10 Yearly Cumul : 53,938

SDR009A1.RDF

Well File
GEOSCIENCES

Survey Excel
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PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 02-OCT-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	127,931	905,125	8,500	24

DRILLING DATA

Depth at 24:00	4505	Footage 24:00		Days on Loc.	76
Drlg. Days	28 1/4	Days on Well	31	Drlg. AHD(BHD	(13 1/2)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia: MI DRLG. FLUID Type: FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
12.6	58	25	19							

MUD PUMP

GPM

PSI

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				24.00			
Cumulative	15.00	210.50	1.50	464.00	33.00		20.00

COMMENTS

FINISHED RIH 9 5/8" CSG. (SHOE AT 4505'); BJ CEMENTED CSG.; SET SLIPS; N/D BOP's; CUT 9 5/8" CSG. AND N/U CSG. SPOOL

00:00 TO 06:00 : N/U BOP's; WELDING FLOWLINE

CEMENTING RECORD : SLURRIES 211 BBLS OF 13.7 PPG AND 86 BBLS OF 15.6 PPG; DISPLACED W/ 320 BBLS OF MUD; RETURNED 10 BBLS OF CEMENT; FLOAT COLLAR WORKED, OK.

Last Modification : 02-OCT-02 08:18 AM | Daily Footage | Monthly Cumul : | Yearly Cumul : 53,928

SDR009A1.RDF

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 01-OCT-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	21,010	777,194	8,500	24

DRILLING DATA

Depth at 24:00	4505	Footage 24:00		Days on Loc.	75
Drlg. Days	28 1/4	Days on Well	30	Drlg. AHD(BHD	(13 1/2)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
10RR	12 1/4"	GTM-1	3 x 24	-	-	-	REAM	-

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
12.7	65	28	25	0.6	0.1	18000	380	5.6	12,0	24.0

MUD PUMP

GPM 616

PSI 1800

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				24.00			
Cumulative	15.00	210.50	1.50	440.00	33.00		20.00

COMMENTS

MADE SHORT TRIP TO 2591'; RIH TAG AT 4376' AND REAMED TO 4502'; CIRCULATED AND PUMPED HEAVY SWEEP W/ LUBRA-GLIDE; POOH TO SURFACE; (WORKED STRING TO PASS TROUGHT 13 3/8" SHOE); PREPARING TO RIH W/ 9 5/8" CSG.

00:00 TO 06:00 : RUNNING 9 5/8" CSG. (AT REPORT TIME AT 4460')

Last Modification : 01-OCT-02 08:25 AM | Daily Footage | Monthly Cumul :7,799 | Yearly Cumul : 53,928

SDR009A1.RDF

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 30-SEP-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	23,302	756,184	8,500	24

DRILLING DATA

Depth at 24:00	4505	Footage 24:00		Days on Loc.	74
Drlg. Days	27 1/4	Days on Well	29	Drlg. AHD(BHD	(12 1/2

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
10RR	12 1/4"	GTM-1	3 x 24	-	-	-	REAM	-

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
12.5	62	32	26	0.5	0.15	18000	360	5.6	12,0	23.0

MUD PUMP

GPM 293

PSI 500

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				24.00			
Cumulative	15.00	210.50	1.50	416.00	33.00		20.00

COMMENTS

REAMED W/ DIFFICULTY FROM 3455' TO 3977'; CIRCULATED AND PUMPED HEAVY SWEEP; REAMED TO 4229'; PUMPED HEAVY SWEEP; REAMED TO 4416'

00:00 TO 06:00 : REAMED TO 4505'; CIRCULATED AND PUMPED HEAVY SWEEP; DISPLACED PILL W/ LUBRA GLIDE; POOH AT 3719'

Last Modification : 30-SEP-02 08:25 AM | Daily Footage | Monthly Cumul :7,799 | Yearly Cumul : 53,928

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 29-SEP-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	26,248	732,882	8,500	24

DRILLING DATA

Depth at 24:00	4505	Footage 24:00		Days on Loc.	73
Drlg. Days	26 1/4	Days on Well	28	Drlg. AHD(BHD	(11 1/2)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
10RR	12 1/4	GTM-1	3 x 22	-	-	4505	REAM	-

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
12.5	65	28	26	0.8	0.2	20000	380	5.8	12,0	17.0

MUD PUMP

GPM 294

PSI 400

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				24.00			
Cumulative	15.00	210.50	1.50	416.00	33.00		20.00

COMMENTS

RIH IN STANDS FROM 2499' TO 2655'; PUT KELLY AND RIH W/ CIRCULATION JOINT BY JOINT TO 2843'; RIH IN STANDS TO 3086'; CONTINUE RIH JOINT BY JOINT W/ CIRCULATION TO 3252'; POOH L/D 11 JOINTS TO 2866'; REAMED TO 3283'

00:00 TO 06:00 : CONTINUE REAMING AT 3455'

Last Modification : 30-SEP-02 08:26 AM | Daily Footage | Monthly Cumul :7,799 | Yearly Cumul : 53,928

SDR009A1.RDF

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 28-SEP-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	30,493	706,634	8,500	24

DRILLING DATA

Depth at 24:00	4505	Footage 24:00	312	Days on Loc.	72
Drlg. Days	25 1/4	Days on Well	27	Drlg. AHD(BHD	(10 1/2)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
9RR	12 1/4"	S987BHP	8x14 1x15	30	60	4505	312	7.5

SURVEYS

M.D.	Angle	Direction
4434	62.50	N 64.0 W
4372	62.80	N 62.6 W
4277	62.23	N 62.6 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.08	61	27	30	0.8	0.18	21000	500	5.6	12,0	16.0

MUD PUMP

GPM 615

PSI 2300

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		7.50		16.00	.50		
Cumulative	15.00	210.50	1.50	416.00	33.00		20.00

COMMENTS

DRILLED TO 4505'; CIRCULATED; MADE SHORT TRIP TO 3904', OK.; CIRC AND RAISED MUD WT. TO 11.8 PPG; POOH W/ DIFFICULTY FROM 2306' TO SHOE; L/D SLIM-1 AND MUD MOTOR

00:00 TO 06:00 : P/U TRICONIC BIT W/ NEAR BIT AND RIH, SET AT 2174'; REAMED TO 2206'; P/U KELLY AND REAMED FROM 2206' TO 2246'; CIRC.; REAMED FROM 2246' TO 2499'; CIRC.; L/D KELLY AND RIH W/ ELEVATOR TO 2581'

Last Modification : 30-SEP-02 08:26 AM | Daily Footage 312 | Monthly Cumul :7,799 | Yearly Cumul : 53,928

SDR009A1.RDF

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 27-SEP-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	32,501	676,141	8,500	24

DRILLING DATA

Depth at 24:00	4193	Footage 24:00	660	Days on Loc.	71
Drlg. Days	24 1/4	Days on Well	26	Drlg. AHD(BHD	(10)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
9RR	12 1/4"	S987BHP	8x14 1x15	15/30	60/70	4193	660	15.5

SURVEYS

M.D.	Angle	Direction
4087	62.9	N 62.60 W
3993	62.6	N 62.60 W
3899	61.7	N 62.90 W

MUD DATA

Cia: MI DRLG. FLUID Type: FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
10.8	52	23	33	1.1	0.2	21000	540	5.8		11.0

MUD PUMP

GPM 644

PSI 2250

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		15.50		6.50	2.00		
Cumulative	15.00	203.00	1.50	352.00	32.50		20.00

COMMENTS

FINISHED WELDING NIPPLE ON #2 MUD PUMP; DRILLED (SLIDING AND ROTATING) FROM 3548' TO 4036'; SHORT TRIP TO 3432'; DRILLED (SLIDING AND ROTATING) TO 4193'

00:00 TO 06:00 : DRILLED (SLIDING AND ROTATING) TO 4287'; CHANGED PISTON ON #2 MUD PUMP; DRILLING AT 4445'

Last Modification : 27-SEP-02 08:34 AM | Daily Footage 660 | Monthly Cumul :7,487 | Yearly Cumul : 53,616

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 26-SEP-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	27,892	643,640	8,500	24

DRILLING DATA

Depth at 24:00	3533	Footage 24:00	1037	Days on Loc.	70
Drlg. Days	23 1/4	Days on Well	25	Drlg. AHD(BHD	(10)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
9RR	12 1/4"	S987BHP	8x14 1x15	25	60/PP	3533	1037	20.5

SURVEYS

M.D.	Angle	Direction
3427	63.7	N 64.0 W
3239	64.5	N 63.8 W
3115	64.2	N 66.1 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
10.1	50	20	23	1.4	0.15	24000	450	6.5	13,5	10.0

MUD PUMP

GPM 692

PSI 2200

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		20.50		1.50	2.00		
Cumulative	15.00	187.50	1.50	345.50	30.50		20.00

COMMENTS

DRILLED (SLIDING AND ROTATING) FROM 2760' TO 2841'; CHANGED PISTON ON #2 MUD PUMP; DRILLED (SLIDING AND ROTATING) TO 3030'; SHORT TRIP TO 2426'; DRILLED (SLIDING AND ROTATING) TO 3070'; CHANGED PONY ROD PISTON ON #2 MUD PUMP; DRILLED (SLIDING AND ROTATING) TO 3218'; CHANGED PISTON ON #2 MUD PUMP; DRILLED (SLIDING AND ROTATING) TO 3533'

00:00 TO 06:00 : MADE SHORT TRIP TO 13 3/8" CSG. SHOE (LAST 3 STANDS POOH W/ DRAG); RIH WITHOUT PROBLEMS; DRILLED TO 3548'; REPAIRING LEAK ON NIPPLE OF DUMPER OF #2 MUD PUMP

Last Modification : 26-SEP-02 08:29 AM | Daily Footage 1037 | Monthly Cumul : 6,827 | Yearly Cumul : 52,956

SDR009A1.RDF

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 25-SEP-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	29,777	615,748	8,500	24

DRILLING DATA

Depth at 24:00	2496	Footage 24:00	556	Days on Loc.	69
Drlg. Days	22 1/4	Days on Well	24	Drlg. AHD(BHD	(11)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
9RR	12 1/4"	S987BHP	8x14 1x15	20	60/PP	2496	556	22.5

SURVEYS

M.D.	Angle	Direction
2423	62.8	N 62.7 W
2298	63.0	N 62.6 W
2203	60.8	N 63.3 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
9.7	46	15	17	3.9	0.4	25000	380	6.8	19,0	8.0

MUD PUMP

GPM 674

PSI 1800

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		22.50		1.50			
Cumulative	15.00	167.00	1.50	344.00	28.50		20.00

COMMENTS

DRILLED (SLIDING AND ROTATING) FROM 2010' TO 2464'; SHORT TRIP TO SHOE; DRILLED (SLIDING AND ROTATING) TO 2496'

00:00 TO 06:00 : DRILLING (SLIDING AND ROTATING) AT 2760'

Last Modification : 25-SEP-02 08:21 AM | Daily Footage 556 | Monthly Cumul :5,790 | Yearly Cumul : 51,919

SDR009A1.RDF

By pass

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 24-SEP-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	19,530	585,971	8,500	24

DRILLING DATA

Depth at 24:00	1940	Footage 24:00	20	Days on Loc.	68
Drlg. Days	21 1/4	Days on Well	23	Drlg. AHD(BHD	

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
8RR	12 1/4"	GTM-1	3 x 16	-	-	CMT	-	-
9RR	12 1/4"	S987BHP	8x14 1x15	-	PP	1940	20	6

SURVEYS

M.D.	Angle	Direction
1954	62.8	300.9

MUD DATA

Cia: MI DRLG. FLUID Type: FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
9.6	45	13	16	0.5	0.15	17000	280	6.5	16,0	2.0

MUD PUMP

GPM 632

PSI

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		6.00		18.00			
Cumulative	15.00	144.50	1.50	342.50	28.50		20.00

COMMENTS

W.O.C.; RESTARTED DRILLING OUT CEMENT FROM 1794' TO 1920' (HARD CEMENT); POOH; M/U PDC BIT AND MUD MOTOR; RIH TO 1920'; DRILLED SIDE TRACKING WELL AT 1940' (100% CEMENT, TRACES OF SHALE)

00:00 TO 06:00 : DRILLING SIDE TRACKING WELL AT 2010' (50% CEMENT AND 50% SHALE)

Last Modification : 24-SEP-02 09:08 AM Daily Footage 20 Monthly Cumul : 5,234 Yearly Cumul : 51,363

SDR009A1.RDF

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 20-SEP-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	27,185	497,329	8,500	24

DRILLING DATA

Depth at 24:00	5202	Footage 24:00		Days on Loc.	64
Drlg. Days	17 1/4	Days on Well	19	Drlg. AHD(BHD	3/4

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
7RR	12 1/4"	GTM1	3 x 24	-	-	REAM	-	-

SURVEYS

M.D.	Angle	Direction
5125	63.6	297.4

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
11.2	58	22	27	0.4	0.1	20000	260	6.5	12,0	15

MUD PUMP

GPM 556

PSI 1300

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				24.00			
Cumulative	15.00	138.50	1.50	252.50	28.50		20.00

COMMENTS

FINISHED POOH W/ 9 5/8" CSG.; RIH TRICONIC BIT W/ NEAR BIT TAG AT 2794'; REAMED W/ DIFFICULTY TO 3086'; RAISED MUD WT. FROM 10.8 TO 11.0 PPG; CONTINUE REAMING TO 3117'; WORKED STRING TO FREE AND POOH TO 3054'; RIH TO 3117'; REAMED W/ DIFFICULTY TO 3182'; PUMPED LOW VISCOSITY PILL AND HEAVY SWEEP TO CLEAN OUT WELL; RAISED MUD WT. TO 11.2 PPG

00:00 TO 06:00 : CONTINUE REAMING W/ DIFFICULTY AT 3244'

Last Modification : 20-SEP-02 09:10 AM | Daily Footage | Monthly Cumul : 5,214 | Yearly Cumul : 51,343

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 19-SEP-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	22,864	470,144	8,500	24

DRILLING DATA

Depth at 24:00	5202	Footage 24:00		Days on Loc.	63
Drlg. Days	16 1/4	Days on Well	18	Drlg. AHD(BHD	3/4

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
6RR	12 1/4"	S987BHP	8x14 1x15	8/18	70/PP	5202	-	-

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
10.6	50	16	18	0.35	0.1	20000	280	6.6	12,5	12.0

MUD PUMP

GPM 680

PSI 2600

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				19.00	5.00		
Cumulative	15.00	138.50	1.50	228.50	28.50		20.00

COMMENTS

CONTINUE RIH 9 5/8" CSG. AT 2912'; REPAIRED BELL NIPPLE; CONTINUE RIH 9 5/8" CSG. W/ DIFFICULTY TAG AT 3289'; ATTEPMTED CIRCULATING, NEGATIVE; POOH 1 JOINT TO 3242' AND STABLISHED CIRCULATION; ATTEMPTED CONTINUE RIH CSG., NEGATIVE TAG AT 3289'; WORKED AND POOH TO 2864'; CIRCULATED AND INCREASED MUD WT. TO 10.8 PPG; SECURETED BELL NIPPLE

00:00 TO 06:00 : CONTINUE POOH 9 5/8" CSG.; AT REPORT TIME FINISHED POOH

Last Modification : 19-SEP-02 08:41 AM | Daily Footage | Monthly Cumul : 5,214 | Yearly Cumul : 51,343

SDR009A1.RDF

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 18-SEP-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	24,211	447,280	8,500	24

DRILLING DATA

Depth at 24:00	5202	Footage 24:00	257	Days on Loc.	62
Drlg. Days	15 1/4	Days on Well	17	Drlg. AHD(BHD	3/4

BIT DATA

N°	Size	Type	Jets		WOB	RPM	Deph	Footage	Hrs.
6RR	12 1/4"	S987BHP	4x18	1x15	8/18	70/PP	5202	257	9

SURVEYS

M.D.	Angle	Direction
5125	63.60	N 62.60 W
5030	63.10	N 64.00 W
4943	62.60	N 64.70 W

MUD DATA

Cia: MI DRLG. FLUID Type: FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
10.5	55	19	22	0.4	0.15	20000	180	7.0	12,5	12.0

MUD PUMP

GPM	680
PSI	2600

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		9.00		13.50	1.50		
Cumulative	15.00	138.50	1.50	209.50	23.50		20.00

COMMENTS

DRILLED (SLIDING AND ROTATING) FROM 5045' TO 5103'; CIRCULATED TO CHECK FORMATION SAMPLE; DRILLED (SLIDING AND ROTATING TO 5155'; CIRCULATED TO CHECK FORMATION SAMPLE; DRILLED (SLIDING AND ROTATING) TO 5202' (CSG. POINT); CIRCULATED AND MADE SHORT TRIP TO 13 3/8" CSG. SHOE; CIRCULATED; POOH TO RUN 9 5/8" CSG.

00:00 TO 06:00 : FINISHED POOH; RUNNING 9 5/8" CSG. AT 2396' (51 JOINTS)

Last Modification : 18-SEP-02 08:17 AM Daily Footage 257 Monthly Cumul : 5,214 Yearly Cumul : 51,343

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 17-SEP-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	26,114	423,069	8,500	24

DRILLING DATA

Depth at 24:00	4945	Footage 24:00	185	Days on Loc.	61
Drlg. Days	14 1/4	Days on Well	16	Drlg. AHD(BHD	1 1/4

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
6RR	12 1/4"	S987BHP	8x14 1x15	8/18	70/PP	4945	185	11.5

SURVEYS

M.D.	Angle	Direction
4842	62.50	N 64.30 W
4747	63.30	N 63.30 W
4717	63.20	N 62.30 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
10.2	52	13	25	0.5	0.12	22000	380	6.6	13,5	11.0

MUD PUMP

GPM 680

PSI 2500

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		11.50		12.50			
Cumulative	15.00	129.50	1.50	196.00	22.00		20.00

COMMENTS

POOH; CHANGED MUD MOTOR AND RIH W/ SAME BIT; WASHED OUT FROM 4780' TO BOTTOM (4828'); DRILLED (SLIDING AND ROTATING) TO 4945'

00:00 TO 06:00 : DRILLED (SLIDING AND ROTATING) TO 4947'; CHANGED PISTON ON #1 MUD PUMP; DRILLED (SLIDING AND ROTATING) TO 5014'; REPAIRED LINE OF DIESEL OF #1 DRAWWORKS ENGINE; DRILLING (SLIDING AND ROTATING) AT 5045'

Last Modification : 17-SEP-02 08:30 AM | Daily Footage 185 | Monthly Cumul : 4,957 | Yearly Cumul : 51,086

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 16-SEP-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	28,725	396,955	8,500	24

DRILLING DATA

Depth at 24:00	4760	Footage 24:00	628	Days on Loc.	60
Drlg. Days	13 1/4	Days on Well	15	Drlg. AHD(BHD	2

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
6RR	12 1/4"	S987BHP	7x13 2x14	10-20	80/PP	4760	628	15.5

SURVEYS

M.D.	Angle	Direction
4560	62.20	N 64.0 W
4466	62.40	N 63.3 W
4309	62.70	N 62.3 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
10.0	46	18	20	0.4	0.15	22000	380	6.8	14,5	10.0

MUD PUMP

GPM 686

PSI 2500

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		15.50		4.50	4.00		
Cumulative	15.00	118.00	1.50	183.50	22.00		20.00

COMMENTS

DRILLED (SLIDING AND ROTATING) FROM 4227' TO 4383'; WELDED NIPPLE OF #2 MUD PUMP; DRILLED TO 4448'; CHANGED PISTON ON #1 MUD PUMP; DRILLED TO 4612'; WELDED NIPPLE OF #2 MUD PUMP; SHORT TRIP TO 4061', OK.; DRILLED TO 4728'; CHANGED PISTON ON #2 MUD PUMP; DRILLED TO 4760'

00:00 TO 06:00 : DRILLED TO 4828'; AT REPORT TIME CIRCULATING TO TRIP

Last Modification : 16-SEP-02 08:31 AM | Daily Footage 628 | Monthly Cumul :4,772 | Yearly Cumul : 50,901

SDR009A1.RDF

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 15-SEP-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	28,865	368,230	8,500	24

DRILLING DATA

Depth at 24:00	4132	Footage 24:00	1039	Days on Loc.	59
Drlg. Days	12 1/4	Days on Well	14	Drlg. AHD(BHD	2

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
6RR	12 1/4"	S987BHP	7x13 2x14	20-25	80/PP	4132	1039	20

SURVEYS

M.D.	Angle	Direction
3995	63.40	N 62.90 W
3838	62.67	N 64.00 W
3680	63.30	N 64.30 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
9.8	48	16	19	0.45	0.12	22500	320	6.5	12,5	8.0

MUD PUMP

GPM 686

PSI 2500

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		20.00		4.00			
Cumulative	15.00	118.00	1.50	183.50	22.00		20.00

COMMENTS

DRILLED (SLIDING AND ROTATING) FROM 3093' TO 3628'; SHORT TRIP TO 3044'; DRILLED (SLIDING AND ROTATING) FROM 3628' TO 4132'; SHORT TRIP AT 3600'

00:00 TO 06:00 : CONTINUE SHORT TRIP TO SHOE 13 3/8" CSG. (1916'); REPAIRED FAWICK AIR LINE OF # 1 ENGINE OF DRAWWORK; DRILLING (SLIDING AND ROTATING) AT 4227'

Last Modification : 16-SEP-02 08:32 AM | Daily Footage 1039 | Monthly Cumul :4,144 | Yearly Cumul : 50,273

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 14-SEP-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	27,482	339,365	8,500	24

DRILLING DATA

Depth at 24:00	3093	Footage 24:00	1168	Days on Loc.	58
Drlg. Days	11 1/4	Days on Well	13	Drlg. AHD(BHD	1

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
6RR	12 1/4"	S987BHP	7x13 2x14	20-25	60/PP	3093	1168	22

SURVEYS

M.D.	Angle	Direction
2988	63.1	N 64.00 W
2831	62.60	N 63.80 W
2738	62.7	N 63.60 W

MUD DATA

Cia MI DRLG. FLUID Type FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
9.1	43	13	17	0.7	0.2	19000	300	7.5	13,5	4.0

MUD PUMP

GPM 703

PSI 1750

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		22.00		2.00			
Cumulative	15.00	118.00	1.50	183.50	22.00		20.00

COMMENTS

DRILLED (SLIDING AND ROTATING) FROM 2188' TO 2498'; SHORT TRIP TO 13 3/8" CSG. SHOE, OK.; CONTINUE DRILLING TO 3093'

00:00 TO 06:00 : SHORT TRIP TO 2489', OK.; DRILLING AT 3408'

NOTE : DIVERS FASTENED CONDUCTOR TO JACKET W/ CLAMPS

Last Modification : 16-SEP-02 08:32 AM | Daily Footage 1168 | Monthly Cumul :3,105 | Yearly Cumul : 49,234

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 12-SEP-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	82,438	286,612	8,500	24

DRILLING DATA

Depth at 24:00	1916	Footage 24:00		Days on Loc.	56
Drlg. Days	9 1/4	Days on Well	11	Drlg. AHD(BHD	(1)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia: MI DRLG. FLUID Type: FLO-DRILL

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
8.5	42	8	11	0.6	0.2	16,0	120	10.0	14,0	7.0

MUD PUMP

GPM

PSI

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				24.00			
Cumulative	15.00	60.00	1.50	149.50	18.00		20.00

COMMENTS

BJ CEMENTED 13 3/8" CSG.; W.O.C.; CUT OFF 13 3/8" CSG; N/D 21 1/4" BOP's; WELDED 13 5/8" x 2000# CSG. HEAD; N/U RAISER AND BOP's

00:00 TO 06:00 : FINISHED N/U BOP's; WELDING FLOWLINE

NOTE : USED FOR CEMENTING 650 SX OF CEMENT (211 BBLS OF 13.5 PPG) AND 600 SX OF CEMENT NEAT (129 BBLS OF 15.5 PPG), DISPLACED W/ 289 BBLS OF MUD

Last Modification : 12-SEP-02 08:33 AM | Daily Footage | Monthly Cumul : 1,928 | Yearly Cumul : 48,057

SDR009A1.RDF

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 11-SEP-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	22,123	204,174	8,500	24

DRILLING DATA

Depth at 24:00	1916	Footage 24:00	180	Days on Loc.	55
Drlg. Days	8 1/4	Days on Well	10	Drlg. AHD(BHD	(1)

BIT DATA

N°	Size	Type	Jets		WOB	RPM	Deph	Footage	Hrs.
4	17"	GTX-CS1	3x20	1x16	35	MM/50	1916	180	12.5

SURVEYS

M.D.	Angle	Direction
1828	65.8	306.7

MUD DATA

Cia: MI DRLG. FLUID Type: BENT-POLYMER

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
9.4	45	15	19	0.7	0.2	16000	100	8.0	15,0	7.0

MUD PUMP

GPM 703

PSI 2100

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		12.50		10.50	1.00		
Cumulative	15.00	60.00	1.50	125.50	18.00		20.00

COMMENTS

DRILLED (SLIDING AND ROTATING) FROM 1814' TO 1855'; CHANGED LINER AND PISTON OF # 2 MUD PUMP; DRILLED TO 1916' (CSG. POINT); POOH; L/D MUD MOTOR AND R/U NEAR BIT; RIH TAG AT 1666'; WASHED OUT TO BOTTOM; POOH

00:00 TO 06:00 : RAN 13 3/8" CSG., SHOE AT 1916'; CIRCUALTING AND PREPARING TO CEMENT

Last Modification : 11-SEP-02 08:45 AM

Daily Footage 180 Monthly Cumul : 1,928 Yearly Cumul : 48,057

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 10-SEP-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	22,480	182,051	8,500	24

DRILLING DATA

Depth at 24:00	1736	Footage 24:00	272	Days on Loc.	54
Drlg. Days	7 1/4	Days on Well	9	Drlg. AHD(BHD	(1 1/4)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
4	17"	GTX-CS1	3x20 1x16	35	PP/50	1736	272	15

SURVEYS

M.D.	Angle	Direction
1609	60.14	N 43.26 W
1545	57.20	N 37.85 W
1483	54.15	N 33.11 W

MUD DATA

Cia MI DRLG. FLUID Type BENT-POLYMER

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
9.5	43	15	18	1.0	0.28	17000	80	7.6	15,0	5.0

MUD PUMP

GPM 703

PSI 2000

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		15.00		7.00	2.00		
Cumulative	15.00	47.50	1.50	115.00	17.00		20.00

COMMENTS

FINISHED POOH; CHANGED MUD MOTOR; RIH TAG AT 1481'; WASHED OUT TO 1526'; DRILLED (SLIDING AND ROTATING) TO 1718'; REPAIRED # 2 MUD PUMP; DRILLED (SLIDING AND ROTATING) TO 1736'

00:00 TO 06:00 : DRILLING (SLIDING AND ROTATING) AT 1814'

Last Modification : 10-SEP-02 08:26 AM | Daily Footage 272 | Monthly Cumul : 1,748 | Yearly Cumul : 47,877

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 09-SEP-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	22,332	159,571	8,500	24

DRILLING DATA

Depth at 24:00	1464	Footage 24:00	314	Days on Loc.	53
Drlg. Days	7 1/4	Days on Well	8	Drlg. AHD(BHD	(1)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
4RR	17"	GTX-CS1	3x20 1x16	35	PP/70	1464	314	11.5

SURVEYS

M.D.	Angle	Direction
1399	51.39	N 31.88 W
1335	48.28	N 29.98 W
1273	44.76	N 29.88 W

MUD DATA

Cia MI DRLG. FLUID Type BENT-POLYMER

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
9.2	44	14	16	0.6	0.2	17000	180	7.4	14,0	4.0

MUD PUMP

GPM 732

PSI 1700

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		11.50		3.00	9.50		
Cumulative	15.00	32.50	1.50	108.00	15.00		20.00

COMMENTS

FINISHED REPAIRING ENGINE OF # 2 MUD PUMP; RIH TO BOTTOM; DRILLED (SLIDING AND ROTATING) FROM 1150 TO 1464'; TOOK MULTISHOT GYRO SURVEY

00:00 TO 06:00 : SHORT TRIP TO 900'; TAG AT 1430' AND WASHED OUT TO BOTTOM (1464'); DRILLED (SLIDING AND ROTATING) TO 1526'; REPAIRING # 1 MUD PUMP (CHANGING PONY ROAD OF PISTON)

Last Modification : 09-SEP-02 08:47 AM Daily Footage 314 Monthly Cumul : 1,476 Yearly Cumul : 47,605

SDR009A1.RDF

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 08-SEP-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	23,589	137,239	8,500	24

DRILLING DATA

Depth at 24:00	1150	Footage 24:00	456	Days on Loc.	52
Drlg. Days	6 1/4	Days on Well	7	Drlg. AHD(BHD	(1/2)

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
4	17"	GTX-CS1	3x20 1x16	15	PP/60	1150	456	14

SURVEYS

M.D.	Angle	Direction
896	19.0	N 25.4 W
775	10.3	N 16.22 W
1084	33.2	N 30.7 W

MUD DATA

Cia MI DRLG. FLUID Type BENT-POLYMER

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
9.0	44	13	16	0.6	0.15	17000	200	7.2	12,0	3.0

MUD PUMP

GPM 732

PSI 1450

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		14.00		4.50	5.50		
Cumulative	15.00	32.50	1.50	108.00	15.00		20.00

COMMENTS

DRILLED (SLIDING AND ROTATING) FROM 812' TO 1087'; CIRC.; MADE SHORT TRIP TO 569', OK.; DRILLED TO 1150'; REPAIRING # 2 MUD PUMP (5.5 HOURS); POOH TO SHOE

00:00 TO 06:00 : CONTINUE REPAIRING AND CHANGED LINER PACKING OF CYLINDER HEAD IN # 2 MUD PUMP

Last Modification : 09-SEP-02 08:54 AM | Daily Footage 456 | Monthly Cumul : 1,162 | Yearly Cumul : 47,291

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 07-SEP-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	23,588	113,650	8,500	24

DRILLING DATA

Depth at 24:00	694	Footage 24:00	124	Days on Loc.	51
Drlg. Days	5 1/4	Days on Well	6	Drlg. AHD(BHD	(1/2)

BIT DATA

N°	Size	Type	Jets		WOB	RPM	Deph	Footage	Hrs.
3RR	17"	GTX-C1	3x16	1x14	10	70	586	16	1.5
4	17"	GTX-CS1	3x20	1x16	8	PP/60	694	108	3.5

SURVEYS

M.D.	Angle	Direction
730	7.66	N 15.14 W
700	6.14	N 18.51 W
670	4.81	N 21.57 W

MUD DATA

Cia MI DRLG. FLUID Type BENT-POLYMER

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
8.5	42	9	13	1.0	0.25	15000	100	10.0		2.0

MUD PUMP

GPM 674

PSI 900

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		5.00		8.50			10.50
Cumulative	15.00	32.50	1.50	108.00	15.00		20.00

COMMENTS

MADE TWO RUNS W/ MAGNET AND TWO RUNS W/ MILL, RECOVERED ? 4 KG OF JUNK; RIH W/ 17" BIT AND DRILLED TO 586', OK.; MADE SAFETY TRIP W/ MAGNET, RECOVERED TRACES OF JUNK; M/U MUD MOTOR AND RIH TO 561'; TOOK GYRO MULTISHOT; DRILLED SLIDING FROM 586' TO 694'

00:00 TO 06:00 : DRILLED TO 786'; CIRC.; TOOK GYRO MULTISHOT AND INSTALL MWD, TESTED SAME OK.; AT REPORT TIME SLIDING AND ROTATING AT 812'

Last Modification : 09-SEP-02 08:54 AM | Daily Footage 124 | Monthly Cumul : 706 | Yearly Cumul : 46,835

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 06-SEP-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	28,739	90,062	8,500	24

DRILLING DATA

Depth at 24:00	570	Footage 24:00		Days on Loc.	50
Drlg. Days	4 1/4	Days on Well	5	Drlg. AHD(BHD	1/4

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
3RR	17"	GTX-C1	3x16 1x14	-	-	-	-	-

SURVEYS

M.D.	Angle	Direction
550	1.97	N 51.28 W
500	1.62	N 48.86 W
450	1.91	N 58.14 W

MUD DATA

Cia MI DRLG. FLUID Type BENT-POLYMER

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids
8.5	45	11	13	1.1	0.5	15000	60	12.0		2.0

MUD PUMP

GPM

PSI

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				14.50			9.50
Cumulative	15.00	2.00	1.50	92.00			9.50

COMMENTS

FINISHED RIH SLICK ASSY W/ BIT AND JUNK BASKET TAG AT 495'; DRILLED OUT CEMENT TO 569'; DISPLACED WATER BY MUD; DRILLED W/ HIGH TORQ TO 570'; TOOK MULTISHOT GYRO SURVEY FROM 550' TO 50'; POOH; MADE 6 TRIPS W/ MAGNET, RECOVERED ? 25 KG OF JUNK; ATTEMPTED DRILLING W/ 12 1/4" BIT, NEGATIVE; MADE TRIP W/ MAGNET, RECOVERED 1 KG. OF JUNK; RIH W/ MILL TO 570' AND WORKING

00:00 TO 06:00 : WORKED W/ MILL AT 570'; POOH W/ MILL; MADE TWICE TRIP W/ MAGNET, RECOVERED ? 3 KG OF MILLED JUNK; RIH W/ 17" BIT AND DRILLED W/ HIGH TORQ TO 576'; POOH; RIH W/ MAGNET

Last Modification : 06-SEP-02 08:20 AM | Daily Footage | Monthly Cumul : 582 | Yearly Cumul : 46,711

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 05-SEP-2002

Locate: OFFSHORE **Well :** LO16-25 **Rig :** PEPESA-48

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62	N-59-W	1,393,090	14,166	61,323	8,500	24

DRILLING DATA

Depth at 24:00	570	Footage 24:00		Days on Loc.	49
Drlg. Days	3 1/4	Days on Well	4	Drlg. AHD(BHD	3/4

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia MI DRLG. FLUID Type SEA WATER

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids

MUD PUMP

GPM 533

PSI 1100

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				24.00			
Cumulative	15.00	2.00	1.50	77.50			

COMMENTS

UNDERREAMED FROM 500' TO 570'; POOH W/ UNDERREAMER; RAN 18" CONDUCTOR TO 569'; WELDED CONDUCTOR AT ITS BASE; WELDED FLANGE AND N/U 21 1/4" ANNULAR BOP's; RIH W/ OPENED END D.P. TO 570'; CIRCULATED; BJ CEMENTED W/ 250 SX OF CEMENT; W.O.C.

00:00 TO 06:00 : W.O.C.; POOH AND L/D DRILL PIPE; M/U SLICK ASSY W/ JUNK BASKET

Last Modification : 05-SEP-02 08:52 AM | Daily Footage | Monthly Cumul : 582 | Yearly Cumul : 46,711

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 04-SEP-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
			13,235	47,157		

DRILLING DATA

Depth at 24:00	570	Footage 24:00	210	Days on Loc.	48
Drlg. Days	2 1/4	Days on Well	3	Drlg. AHD(BHD	

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
1RR	17"	GTX-C1	16-16-14	15-20	120	570	210	3

SURVEYS

M.D.	Angle	Direction
365	2.25	N 55.19 W
350	2.19	N 54.28 W
300	1.90	N 57.50 W

MUD DATA

Cia: MI DRLG. FLUID Type: SEA WATER

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids

MUD PUMP

GPM 500

PSI 550

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily		2.00	1.50	20.50			
Cumulative	15.00	2.00	1.50	53.50			

COMMENTS

DIVERS ARRIVED AT 07:00 HRS. AND VERIFIED CONDUCTOR # 25 POSITION; LIFTED CONDUCTOR TO 184'; DIVERS TIE CONDUCTOR W/ SLING AND PULLED TO PASS HORIZONTAL MEMBER OF JACKET; RAN CONDUCTOR TO 392' (7' TOWARD WEST FROM FIRST CONDUCTOR POINT); RIH SLICK ASSY W/ 17" BIT TAG AT 370'; TOOK MULTISHOT GYRO SURVEY FROM 50' TO 365'; DRILLED TO 411' AND PENETRATED CONDUCTOR TO 405'; DRILLED TO 570' WITHOUT RETURN; POOH W/ BIT

00:00 TO 06:00 : FINISHED POOH; RIH W/ UNDERREAMER TO 410'; UNDEREAMING TO 500'

Last Modification : 04-SEP-02 08:03 AM

Daily Footage 210 Monthly Cumul : 582 Yearly Cumul : 46,711

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 03-SEP-2002

Locate: OFFSHORE **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
			21,389	33,922		

DRILLING DATA

Depth at 24:00	372	Footage 24:00	372	Days on Loc.	47
Drlg. Days	1 1/4	Days on Well	2	Drlg. AHD(BHD	

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.
1RR	17"	GTX-C1	16-16-14	-	-	372	-	-

SURVEYS

M.D.	Angle	Direction
372	1.75	

MUD DATA

Cia: MI DRLG. FLUID Type: SEA WATER

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids

MUD PUMP

GPM:

PSI:

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily				24.00			
Cumulative	15.00			33.00			

COMMENTS

GYRO DATA PERSONNEL ARRIVED AT 15:00 HRS; K&C R/U WIRE LINE UNIT ON WELL; TOOK GYRO MULTISHOT SURVEY FROM 365' TO SURFACE; K&C R/D

00:00 TO 06:00 : POOH D.P.; W.O. DIVERS TO ORIENT AND RELOCATE CONDUCTOR IN ACCORDANCE SURVEY RESULTS

NOTE : WELL LO16-5A, RIH 2 7/8" TBG USING CRANE; TOOK GYRO MULTISHOT SURVEY FROM 365' TO SURFACE; POOH TBG.

Last Modification : 03-SEP-02 08:13 AM

Daily Footage 372 Monthly Cumul : 372 Yearly Cumul : 46,501

SDR009A1.RDF

Well File
GEOSCIENCES

PETRO-TECH PERUANA S.A.

DAILY DRILLING REPORT

Date: 02-SEP-2002

Locate: LOBITOS **Well : LO16-25** **Rig : PEPESA-48**

Est.Max. Angle	Estimated Ditection	Estimated Cost($)	Daily Cost ($	Cum. Cost($)	Estimated depth	Estimated Days
62°	N 58.5 W	1'353,585	12,533	12,533	8400	

DRILLING DATA

Depth at 24:00		Footage 24:00		Days on Loc.	46
Drlg. Days	1/4	Days on Well	1	Drlg. AHD(BHD	

BIT DATA

N°	Size	Type	Jets	WOB	RPM	Deph	Footage	Hrs.

SURVEYS

M.D.	Angle	Direction

MUD DATA

Cia: MI DRLG. FLUID Type: SEA WATER

WT	FVisc	PV	YP	PM	PF	Chlor	Calc	Filt	K	Solids

MUD PUMP

GPM:

PSI:

TIME BREAKDOWN

	Mov.Rig UpDown	Rotating	Down Time	Ass. Drlg. Oper.	Rep. & Maint.	Comp. & W.O.	Fishing
Daily	15.00			9.00			
Cumulative	15.00			9.00			

COMMENTS

SKIDDED RIG OVER SLOT # 25 AND RELOCATED COMPONENTS; RAN 18" CONDUCTOR AT 385' (PENETRATED 5')

00:00 TO 06:00 : RIH SLICK ASSY W/ 17" BIT AND LATERAL JET SUB

TOTCO SURVEY : 1 3/4? AT 370'

Last Modification : 02-SEP-02 09:00 AM

Daily Footage Monthly Cumul : Yearly Cumul : 46,129

SDR009A1.RDF

Well File
GEOSCIENCES