

SOUTH AUSTRALIA
DEPARTMENT OF MINES AND ENERGY



OPEN FILE ENVELOPE NO. 7163/2

PEL 5 AND PEL 6, LAKE HOPE BLOCK

EROMANGA BASIN

TANTANNA 1

TEST REPORTS

Submitted by

Santos Ltd

1989

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ENVELOPE 7163/2

TENEMENT: PEL 5 and PEL 6, Lake Hope Block; Eromanga Basin

TENEMENT HOLDER: Santos Ltd (operator), Delhi Petroleum Pty Ltd, Vamgas Ltd, SAGASCO Resources Ltd and Comada Energy (ACM) Ltd

CONTENTS

	SADME NO.
REPORTS:	
Jones, H., 1988. Field report on single-rate oil production test, reservoir pressure buildup survey and static pressure gradient survey of Poolowanna Formation perforated interval 5912 ft to 5934 ft KB, conducted during the period 17-21 August 1988 (Expertest Pty Ltd).	7163/2 R 1 Pgs 3-39
Jones, H., 1988. Field report on single-rate oil production test, reservoir pressure buildup survey and static pressure gradient survey of Namur Sandstone Member perforated interval 4488 ft to 4464 ft KB, during the period 21-24 August 1988 (Expertest Pty Ltd).	7163/2 R 2 Pgs 40-69
Jones, H., 1988. Field report on single-rate oil production test, reservoir pressure buildup survey and static pressure gradient survey of Hutton Sandstone perforated interval 5369 ft to 5380 ft KB, during the period 24-28 August 1988 (Expertest Pty Ltd).	7163/2 R 3 Pgs 70-107
Sargeant, R., 1989. Field report on static pressure gradient survey conducted on 19/8/89, which was followed by a wireline workover to remove calcium (sic) deposit buildup in production tubing (Expertest Pty Ltd).	7163/2 R 4 Pgs 108-113

END OF CONTENTS

TANTANNA #1 (POOLLOWANNA)SUMMARY OF SINGLE RATE TEST & BUILD-UP SURVEY17TH - 21ST AUGUST 1988Static Reservoir Pressure

Mid Point of Perforations = 5929' KB

17/8/88: Ran static pressure gradient as running in hole.
 Pressure @ MPP = 18093 kPa
 Shut in bottomhole temperature = 103°C

Single Rate Test

18th - 19th August

18/8/88: Well brought on line @ 0700 hrs. on 11/64" choke.
 Choke changed several times.
 Well set on 14/64" choke @ 1500 hrs.
 Flowed well on 14/64" choke for 20 hours.

F.T.H.P. (Final)	=	1303	kPa
Oil Production	=	90.120	m ³ /d
Water Production	=	0.120	m ³ /d
Flowing Bottomhole Pressure	=	13768	kPa

Build-Up Survey

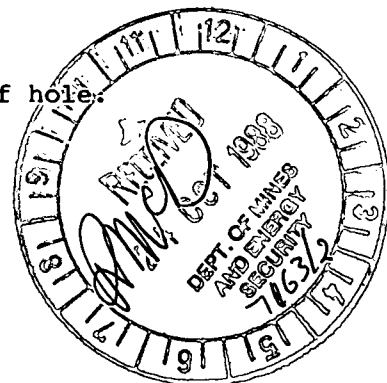
19th - 21st August

19/8/88: Shut well in @ 1100 hrs. for 45.5 hours build-up.
 Pressure @ 5920' KB after 45.5 hours build-up = 18029 kPa
 Shut in bottomhole temperature = 104°C

Static Reservoir Pressure

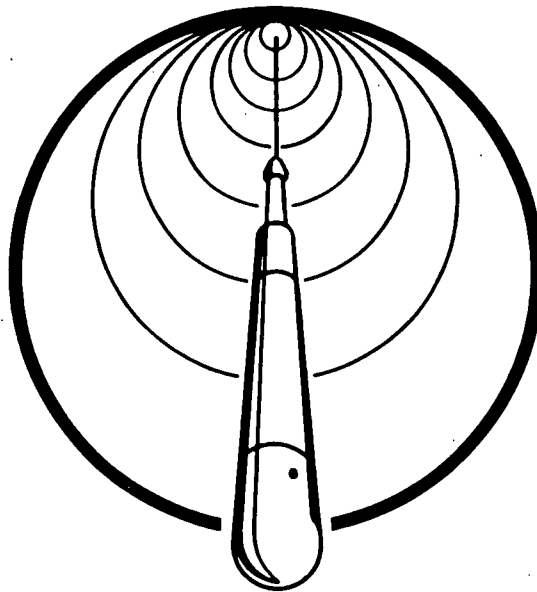
Mid Point of Perforations = 5929' KB

21/8/88: Ran static pressure gradient as pulling out of hole.
 Pressure @ MPP = 18047 kPa
 Shut in bottomhole temperature = 102°C



EXPERTEST

ELECTRIC WIRELINE
SERVICE



Electronic BHP/BHT Survey

Customer: . . . SANTOS LTD.
Location: . . . TANATANNA #1
Formation: . . . POOLOWANNA
Date: 17th to 21st AUGUST 1988

WATERBURY

TIME	DESCRIPTION OF EVENTS
17/8/88	
10: 30	ARRIVE ON LEASE. START TO RIG IN.
13: 30	BENCH TEST TOOL.
	COMPLETE RIG UP
14: 40	TOOL IN LUBRICATOR.
14: 47	PRESSURE UP LUBRICATOR
15: 15	RUN IN HOLE FOR STATIC GRADIENT
	REFER TO GRADIENT PLOTS FOR TIMES/DEPTHS
19: 43	HANG OFF AT 5920'KB. MONITOR B.H.P. OVERNIGHT.
18/8/88	
07: 00	FLOW WELL TO TANK ON 11/64th CHOKE
	ATTEMPT TO ESTABLISH FLOW RATE OF 80 m3/d
09: 00	CHANGE CHOKE TO 13/64th
11: 00	CHANGE CHOKE TO 15/64 th
13: 00	CHANGE CHOKE TO 14/64th
18/8/88	
11: 00	SHUT IN WELL. MONITOR B.H.P. BUILD UP
20/8/88	
	CONTINUE TO MONITOR BUILD UP
21/8/88	
08: 30	PULL OUT OF HOLE FOR STATIC GRADIENT
	REFER TO GRADIENT PLOT FOR TIMES/PRESSURES
13: 17	ARRIVE AT SURFACE. HANG IN LUBRICATOR
13: 50	DEPRESSURE LUBRICATOR. RIG DOWN TOOLS AND REDRESS.
	WIRELINE CREW SETS PLUG IN LONG STRING AND OPENS SLEEVE.
	PREPARE TO TEST NAMUR ZONE
	END OF SURVEY ON POLOWANNA FORMATION

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 17/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: GRAD.

OPERATOR : H.JAMES

COMMENTS: WELL STATIC

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17/08/88	14:40:00	0.000	10.73	0.00	82.99		START SURVEY
17/08/88	14:41:00	.017	10.66	-.06	83.09		
17/08/88	14:42:00	.033	10.52	-.14	83.36		1 MIN SAMPLE RATE
17/08/88	14:43:00	.050	10.39	-.13	83.57		
17/08/88	14:44:00	.067	10.30	-.09	83.78		
17/08/88	14:45:00	.083	10.32	.02	83.97		
17/08/88	14:46:00	.100	12.75	2.43	84.14		
17/08/88	14:47:00	.117	401.43	388.68	84.25		PRESSURE UP LUB.
17/08/88	14:48:00	.133	434.46	33.03	84.19		
17/08/88	14:49:00	.150	441.57	7.11	84.07		
17/08/88	14:50:00	.167	443.10	1.53	83.97		
17/08/88	14:51:00	.183	443.55	.45	83.91		
17/08/88	14:52:00	.200	443.58	.03	83.91		
17/08/88	14:53:00	.217	443.19	-.39	83.97		
17/08/88	14:54:00	.233	442.63	-.56	84.07		
17/08/88	14:55:00	.250	442.49	-.14	84.21		
17/08/88	14:56:00	.267	442.43	-.06	84.38		
17/08/88	14:57:00	.283	442.31	-.12	84.55		
17/08/88	14:58:00	.300	442.08	-.23	84.74		
17/08/88	14:59:00	.317	442.53	.45	84.93		
17/08/88	15:00:00	.333	442.63	.11	85.12		
17/08/88	15:01:00	.350	442.70	.07	85.32		
17/08/88	15:02:00	.367	442.79	.09	85.51		
17/08/88	15:03:00	.383	442.76	-.03	85.72		
17/08/88	15:04:00	.400	442.91	.15	85.92		
17/08/88	15:05:00	.417	443.07	.16	86.13		
17/08/88	15:06:00	.433	443.21	.14	86.32		
17/08/88	15:07:00	.450	443.30	.09	86.52		
17/08/88	15:08:00	.467	443.41	.11	86.72		
17/08/88	15:09:00	.483	443.56	.15	86.91		
17/08/88	15:10:00	.500	443.73	.16	87.09		
17/08/88	15:11:00	.517	443.88	.16	87.27		
17/08/88	15:12:00	.533	443.85	-.04	87.45		
17/08/88	15:13:00	.550	443.86	.01	87.64		
17/08/88	15:14:00	.567	443.92	.06	87.83		
17/08/88	15:15:00	.583	444.06	.14	88.02		R.I.H FOR
17/08/88	15:24:00	.733	754.20	310.14	91.12		STATIC GRADIENT
17/08/88	15:25:00	.750	759.05	4.85	92.53		
17/08/88	15:26:00	.767	761.67	2.62	93.58		1st STOP @ 1000'KB
17/08/88	15:27:00	.783	767.17	5.50	94.40		
17/08/88	15:28:00	.800	770.59	3.42	95.03		
17/08/88	15:29:00	.817	773.03	2.44	95.53		
17/08/88	15:30:00	.833	775.10	2.08	95.92		
17/08/88	15:31:00	.850	762.85	-12.26	96.24		
17/08/88	15:32:00	.867	770.46	7.62	96.51		
17/08/88	15:33:00	.883	776.28	5.81	96.72		
17/08/88	15:34:00	.900	778.56	2.28	96.91		
17/08/88	15:35:00	.917	779.06	.50	97.06		
17/08/88	15:36:00	.933	780.21	1.15	97.19		
17/08/88	15:37:00	.950	781.02	.81	97.31		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 17/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: GRAD.

OPERATOR : H.JAMES

COMMENTS: WELL STATIC

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17/08/88	16:02:27	1.374	783.35	0.00	97.66		
17/08/88	16:06:00	1.433	783.38	.03	97.79		
17/08/88	16:07:00	1.450	783.41	.03	97.97		
17/08/88	16:08:00	1.467	783.41	-.00	98.13		
17/08/88	16:09:00	1.483	783.36	-.05	98.24		
17/08/88	16:10:00	1.500	783.33	-.03	98.33		
17/08/88	16:16:00	1.600	1068.85	285.52	110.41		R.I.H.
17/08/88	16:17:00	1.617	1079.74	10.89	113.42		2nd STOP @ 2000'KB
17/08/88	16:18:00	1.633	1076.64	-3.10	115.69		
17/08/88	16:19:00	1.650	1090.18	13.54	117.45		
17/08/88	16:20:00	1.667	1096.20	6.01	118.86		
17/08/88	16:21:00	1.683	1099.64	3.45	119.99		
17/08/88	16:22:00	1.700	1103.61	3.97	120.88		
17/08/88	16:23:00	1.717	1105.22	1.61	121.61		
17/08/88	16:24:00	1.733	1108.02	2.79	122.20		
17/08/88	16:25:00	1.750	1109.31	1.29	122.69		
17/08/88	16:26:00	1.767	1110.23	.92	123.10		
17/08/88	16:27:00	1.783	1111.10	.86	123.44		
17/08/88	16:28:00	1.800	1112.07	.98	123.72		
17/08/88	16:29:00	1.817	1113.03	.95	123.96		
17/08/88	16:30:00	1.833	1113.77	.74	124.16		
17/08/88	16:31:00	1.850	1114.40	.64	124.34		
17/08/88	16:32:00	1.867	1114.48	.07	124.49		
17/08/88	16:33:00	1.883	1114.93	.45	124.63		
17/08/88	16:34:00	1.900	1115.33	.40	124.74		
17/08/88	16:35:00	1.917	1115.56	.24	124.84		
17/08/88	16:36:00	1.933	1115.94	.38	124.94		
17/08/88	16:37:00	1.950	1115.74	-.20	125.02		
17/08/88	16:38:00	1.967	1115.84	.10	125.10		
17/08/88	16:39:00	1.983	1116.09	.25	125.17		
17/08/88	16:40:00	2.000	1116.10	.01	125.23		R.I.H.
17/08/88	16:47:00	2.117	1428.31	312.21	141.30		3rd STOP @ 3000'KB
17/08/88	16:48:00	2.133	1432.33	4.02	144.01		
17/08/88	16:49:00	2.150	1434.09	1.76	146.09		
17/08/88	16:50:00	2.167	1435.39	1.29	147.73		
17/08/88	16:51:00	2.183	1436.71	1.32	149.00		
17/08/88	16:52:00	2.200	1436.62	-.09	150.01		
17/08/88	16:53:00	2.217	1436.84	.22	150.82		
17/08/88	16:54:00	2.233	1437.07	.24	151.48		
17/08/88	16:55:00	2.250	1437.12	.04	152.00		
17/08/88	16:56:00	2.267	1437.13	.02	152.42		
17/08/88	16:57:00	2.283	1437.55	.42	152.77		
17/08/88	16:58:00	2.300	1437.00	-.55	153.05		
17/08/88	16:59:00	2.317	1437.15	.15	153.28		
17/08/88	17:00:00	2.333	1437.30	.15	153.48		
17/08/88	17:01:00	2.350	1437.28	-.02	153.64		
17/08/88	17:02:00	2.367	1436.81	-.47	153.78		
17/08/88	17:03:00	2.383	1436.40	-.42	153.90		
17/08/88	17:04:00	2.400	1437.00	.60	154.00		
17/08/88	17:05:00	2.417	1436.52	-.48	154.09		
17/08/88	17:06:00	2.433	1436.45	-.07	154.16		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 17/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: GRAD.

OPERATOR : H.JAMES

COMMENTS: WELL STATIC

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17/08/88	17:07:00	2.450	1436.87	.42	154.23		
17/08/88	17:08:00	2.467	1436.43	-.44	154.30		
17/08/88	17:09:00	2.483	1436.88	.45	154.35		
17/08/88	17:10:00	2.500	1436.92	.04	154.39		
17/08/88	17:17:00	2.617	1795.60	358.68	171.33		R.I.H.
17/08/88	17:18:00	2.633	1794.56	-1.04	174.24		4th STOP @ 4000'KB
17/08/88	17:19:00	2.650	1792.60	-1.96	176.44		
17/08/88	17:20:00	2.667	1788.83	-3.77	178.13		
17/08/88	17:21:00	2.683	1784.64	-4.19	179.44		
17/08/88	17:22:00	2.700	1780.77	-3.88	180.47		
17/08/88	17:23:00	2.717	1777.49	-3.28	181.27		
17/08/88	17:24:00	2.733	1775.16	-2.33	181.88		
17/08/88	17:25:00	2.750	1772.73	-2.43	182.37		
17/08/88	17:26:00	2.767	1771.20	-1.53	182.74		
17/08/88	17:27:00	2.783	1769.63	-1.57	183.04		
17/08/88	17:28:00	2.800	1768.40	-1.23	183.27		
17/08/88	17:29:00	2.817	1767.56	-.84	183.46		
17/08/88	17:30:00	2.833	1766.66	-.90	183.61		
17/08/88	17:31:00	2.850	1765.96	-.69	183.73		
17/08/88	17:32:00	2.867	1765.59	-.37	183.83		
17/08/88	17:33:00	2.883	1765.12	-.47	183.91		
17/08/88	17:34:00	2.900	1764.68	-.44	183.97		
17/08/88	17:35:00	2.917	1764.35	-.33	184.03		
17/08/88	17:36:00	2.933	1764.33	-.02	184.07		
17/08/88	17:37:00	2.950	1764.00	-.33	184.10		
17/08/88	17:38:00	2.967	1764.01	.02	184.14		
17/08/88	17:39:00	2.983	1763.96	-.05	184.16		
17/08/88	17:40:00	3.000	1763.96	-.00	184.18		R.I.H.
17/08/88	17:45:00	3.083	2021.93	257.96	190.47		5th STOP @ 4500'KB
17/08/88	17:46:00	3.100	2020.36	-1.57	192.16		
17/08/88	17:47:00	3.117	2017.19	-3.17	193.44		
17/08/88	17:48:00	3.133	2013.35	-3.84	194.43		
17/08/88	17:49:00	3.150	2010.02	-3.33	195.19		
17/08/88	17:50:00	3.167	2006.76	-3.26	195.79		
17/08/88	17:51:00	3.183	2004.03	-2.73	196.26		
17/08/88	17:52:00	3.200	2001.96	-2.08	196.62		
17/08/88	17:53:00	3.217	1999.95	-2.00	196.91		
17/08/88	17:54:00	3.233	1998.38	-1.57	197.13		
17/08/88	17:55:00	3.250	1996.78	-1.60	197.32		
17/08/88	17:56:00	3.267	1995.91	-.87	197.46		
17/08/88	17:57:00	3.283	1995.27	-.64	197.56		
17/08/88	17:58:00	3.300	1994.74	-.53	197.56		
17/08/88	17:59:00	3.317	1994.12	-.52	197.73		
17/08/88	18:00:00	3.333	1993.55	-.57	197.79		
17/08/88	18:01:00	3.350	1993.34	-.21	197.84		
17/08/88	18:02:00	3.367	1992.97	-.37	197.88		
17/08/88	18:03:00	3.383	1992.71	-.26	197.91		
17/08/88	18:04:00	3.400	1992.62	-.09	197.94		
17/08/88	18:05:00	3.417	1992.44	-.18	197.95		
17/08/88	18:06:00	3.433	1992.47	.03	197.97		
17/08/88	18:07:00	3.450	1992.22	-.25	197.98		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 17/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: GRAD.

OPERATOR : H.JAMES

COMMENTS: WELL STATIC

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17/08/88	18:08:00	3.467	1992.21	-.01	197.99		R.I.H.
17/08/88	18:15:00	3.583	2235.30	243.09	202.78		6th STOP @ 5000'KB
17/08/88	18:16:00	3.600	2232.68	-2.62	203.26		
17/08/88	18:17:00	3.617	2230.43	-2.25	203.64		
17/08/88	18:18:00	3.633	2228.35	-2.08	203.92		
17/08/88	18:19:00	3.650	2226.65	-1.70	204.15		
17/08/88	18:20:00	3.667	2225.47	-1.18	204.32		
17/08/88	18:21:00	3.683	2224.33	-1.13	204.45		
17/08/88	18:22:00	3.700	2223.54	-.80	204.57		
17/08/88	18:23:00	3.717	2222.67	-.86	204.66		
17/08/88	18:24:00	3.733	2222.13	-.54	204.73		
17/08/88	18:25:00	3.750	2221.62	-.51	204.78		
17/08/88	18:26:00	3.767	2221.37	-.24	204.82		
17/08/88	18:27:00	3.783	2221.07	-.30	204.85		
17/08/88	18:28:00	3.800	2220.84	-.23	204.88		
17/08/88	18:29:00	3.817	2220.58	-.26	204.91		
17/08/88	18:30:00	3.833	2220.50	-.08	204.92		
17/08/88	18:31:00	3.850	2220.36	-.14	204.94		
17/08/88	18:32:00	3.867	2220.33	-.04	204.94		
17/08/88	18:33:00	3.883	2220.18	-.15	204.95		
17/08/88	18:34:00	3.900	2220.08	-.10	204.97		R.I.H.
17/08/88	18:43:00	4.050	2463.54	243.46	210.46		7th STOP @ 5500'KB
17/08/88	18:44:00	4.067	2460.66	-2.89	210.89		
17/08/88	18:45:00	4.083	2458.20	-2.45	211.22		
17/08/88	18:46:00	4.100	2456.22	-1.99	211.49		
17/08/88	18:47:00	4.117	2454.53	-1.69	211.69		
17/08/88	18:48:00	4.133	2452.99	-1.54	211.85		
17/08/88	18:49:00	4.150	2451.99	-1.01	211.97		
17/08/88	18:50:00	4.167	2451.11	-.87	212.07		
17/08/88	18:51:00	4.183	2450.20	-.91	212.15		
17/08/88	18:52:00	4.200	2449.71	-.49	212.23		
17/08/88	18:53:00	4.217	2449.14	-.57	212.28		
17/08/88	18:54:00	4.233	2448.71	-.43	212.32		
17/08/88	18:55:00	4.250	2448.42	-.29	212.36		
17/08/88	18:56:00	4.267	2448.24	-.18	212.38		
17/08/88	18:57:00	4.283	2447.93	-.31	212.40		
17/08/88	18:58:00	4.300	2447.69	-.24	212.42		
17/08/88	18:59:00	4.317	2447.65	-.04	212.44		
17/08/88	19:00:00	4.333	2447.52	-.13	212.45		
17/08/88	19:01:00	4.350	2447.38	-.15	212.46		
17/08/88	19:02:00	4.367	2447.34	-.04	212.47		
17/08/88	19:03:00	4.383	2447.38	.04	212.48		R.I.H.
17/08/88	19:07:00	4.450	2570.41	123.03	213.32		8th STOP @ 5750'KB
17/08/88	19:08:00	4.467	2571.18	.77	213.84		
17/08/88	19:09:00	4.483	2569.84	-1.34	214.23		
17/08/88	19:10:00	4.500	2568.31	-1.53	214.53		
17/08/88	19:11:00	4.517	2567.06	-1.25	214.76		
17/08/88	19:12:00	4.533	2565.79	-1.27	214.94		
17/08/88	19:13:00	4.550	2564.65	-1.14	215.08		
17/08/88	19:14:00	4.567	2563.73	-.92	215.19		
17/08/88	19:15:00	4.583	2563.01	-.73	215.27		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 17/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: GRAD.

OPERATOR : H.JAMES

COMMENTS: WELL STATIC

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
17/08/88	19:16:00	4.600	2562.47	-.53	215.35		
17/08/88	19:17:00	4.617	2561.96	-.51	215.39		
17/08/88	19:18:00	4.633	2561.60	-.36	215.45		
17/08/88	19:19:00	4.650	2561.30	-.30	215.48		
17/08/88	19:20:00	4.667	2561.01	-.29	215.51		
17/08/88	19:21:00	4.683	2560.81	-.20	215.53		
17/08/88	19:22:00	4.700	2560.68	-.13	215.55		
17/08/88	19:23:00	4.717	2560.52	-.16	215.57		
17/08/88	19:24:00	4.733	2560.37	-.15	215.59		
17/08/88	19:25:00	4.750	2560.21	-.16	215.59		
17/08/88	19:26:00	4.767	2560.19	-.02	215.60		
17/08/88	19:27:00	4.783	2560.05	-.15	215.60		
17/08/88	19:28:00	4.800	2559.95	-.10	215.61		
17/08/88	19:29:00	4.817	2560.10	.15	215.62		
17/08/88	19:30:00	4.833	2559.96	-.15	215.62		
17/08/88	19:31:00	4.850	2559.88	-.08	215.62		
17/08/88	19:43:00	5.050	2638.71	0.00	217.58		R.I.H.
17/08/88	19:44:00	5.067	2637.84	0.00	217.67		HANG OFF @ 5930'KB
17/08/88	19:45:00	5.083	2637.06	-.78	217.79		MONITOR F.B.H.P.
17/08/88	19:46:00	5.100	2636.73	-.33	217.83		
17/08/88	19:47:00	5.117	2636.36	-.37	217.88		
17/08/88	19:48:00	5.133	2635.96	-.41	217.92		
17/08/88	19:49:00	5.150	2635.68	-.28	217.95		
17/08/88	19:50:00	5.167	2635.41	-.26	217.97		
17/08/88	19:51:00	5.183	2635.28	-.14	217.99		
17/08/88	19:52:00	5.200	2635.18	-.10	218.01		
17/08/88	19:53:00	5.217	2635.05	-.14	218.02		
17/08/88	19:54:00	5.233	2635.04	-.01	218.03		
17/08/88	19:55:00	5.250	2634.87	-.16	218.03		
17/08/88	19:56:00	5.267	2634.88	.01	218.04		
17/08/88	19:57:00	5.283	2634.82	-.06	218.04		
17/08/88	19:58:00	5.300	2634.69	-.14	218.05		
17/08/88	20:03:00	5.383	2634.75	.06	218.04		
17/08/88	20:04:00	5.400	2634.75	-.00	218.04		
17/08/88	20:05:00	5.417	2634.66	-.09	218.04		
17/08/88	20:06:00	5.433	2634.64	-.02	218.04		
17/08/88	20:07:00	5.450	2634.59	-.05	218.05		
17/08/88	20:08:00	5.467	2634.70	.11	218.05		
18/08/88	07:00:00	0.000	2634.66	0.00	218.21		FLOW WELL ON
18/08/88	07:05:00	.083	2298.25	-336.41	218.14		11/64ths CHOPE
18/08/88	07:10:00	.167	2287.68	-10.57	218.30	440	(3034 KPA)
18/08/88	07:15:00	.250	2275.97	-11.71	218.50		CSG.1000 KPA
18/08/88	07:20:00	.333	2266.50	-9.47	218.62		
18/08/88	07:25:00	.417	2259.01	-7.49	218.74		
18/08/88	07:30:00	.500	2254.08	-4.93	218.83		
18/08/88	07:35:00	.583	2250.33	-3.75	218.91		
18/08/88	07:40:00	.667	2246.79	-3.54	218.97		
18/08/88	07:45:00	.750	2243.91	-2.88	219.02		
18/08/88	07:50:00	.833	2243.17	-.74	219.07		
18/08/88	07:55:00	.917	2241.50	-1.66	219.11		
18/08/88	08:00:00	1.000	2239.30	-2.20	219.14	134	(924 KPA)

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 18/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: 5920'KB

OPERATOR : H.JAMES

COMMENTS: FLOW WELL

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
18/08/88	08:05:00	1.083	2237.74	-1.56	219.17		CSG. 3300 KPA
18/08/88	08:10:00	1.167	2238.48	.73	219.19		
18/08/88	08:15:00	1.250	2234.96	-3.52	219.21		
18/08/88	08:20:00	1.333	2233.58	-1.38	219.23		
18/08/88	08:25:00	1.417	2233.88	.30	219.25		
18/08/88	08:30:00	1.500	2233.51	-.37	219.27		
18/08/88	08:35:00	1.583	2235.44	1.93	219.29		
18/08/88	08:40:00	1.667	2236.01	.57	219.30		
18/08/88	08:45:00	1.750	2236.37	.36	219.31		
18/08/88	08:50:00	1.833	2236.95	.58	219.31		
18/08/88	08:55:00	1.917	2450.64	213.69	219.35		
18/08/88	09:00:00	2.000	2509.41	58.77	219.45	152	(1048 KPA)
18/08/88	09:05:00	2.083	2245.88	-263.53	219.34		13/64ths CHOKE
18/08/88	09:10:00	2.167	2271.77	25.89	219.33		CSG. 3300 KPA
18/08/88	09:15:00	2.250	2198.97	-72.80	219.32		
18/08/88	09:20:00	2.333	2191.43	-7.54	219.37		
18/08/88	09:25:00	2.417	2184.63	-6.80	219.41		
18/08/88	09:30:00	2.500	2180.27	-4.36	219.45		
18/08/88	09:35:00	2.583	2184.34	4.07	219.48		
18/08/88	09:40:00	2.667	2183.46	-.88	219.50		
18/08/88	09:45:00	2.750	2185.55	2.09	219.27		
18/08/88	09:50:00	2.833	2178.85	-6.70	219.40		
18/08/88	09:55:00	2.917	2162.39	-16.46	219.50		
18/08/88	10:00:00	3.000	2162.65	.26	219.54		
18/08/88	10:05:00	3.083	2156.33	-6.33	219.56		
18/08/88	10:10:00	3.167	2151.07	-5.25	219.59		
18/08/88	10:15:00	3.250	2147.22	-3.85	219.60		
18/08/88	10:20:00	3.333	2144.84	-2.38	219.62		
18/08/88	10:25:00	3.417	2144.65	-.19	219.63		
18/08/88	10:30:00	3.500	2123.35	-21.30	219.65		
18/08/88	10:35:00	3.583	2120.42	-2.93	219.66		
18/08/88	10:40:00	3.667	2118.57	-1.85	219.69		
18/08/88	10:45:00	3.750	2116.90	-1.67	219.71		
18/08/88	10:50:00	3.833	2113.39	-3.51	219.73		
18/08/88	10:55:00	3.917	2110.80	-2.59	219.74		
18/08/88	11:00:00	4.000	2109.75	-1.05	219.75		
18/08/88	11:05:00	4.083	2107.53	-2.22	219.76	101	(696 KPA)
18/08/88	11:10:00	4.167	2013.41	-94.12	219.77		CSG. 3500 KPA
18/08/88	11:15:00	4.250	2011.44	-1.97	219.86		
18/08/88	11:20:00	4.333	2008.98	-2.45	219.92		
18/08/88	11:25:00	4.417	2006.05	-2.94	219.96		
18/08/88	11:30:00	4.500	2003.57	-2.48	220.00		
18/08/88	11:35:00	4.583	1999.60	-3.97	220.03		15/64ths CHOKE
18/08/88	11:40:00	4.667	1996.58	-3.02	220.04		
18/08/88	11:45:00	4.750	1994.90	-1.68	220.05		
18/08/88	11:50:00	4.833	1992.48	-2.41	220.06		
18/08/88	11:55:00	4.917	1990.23	-2.26	220.07		
18/08/88	12:00:00	5.000	1989.20	-1.02	220.07		
18/08/88	12:05:00	5.083	1988.46	-.74	220.09		
18/08/88	12:10:00	5.167	1987.52	-.94	220.09		
18/08/88	12:15:00	5.250	1986.77	-.75	220.10		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 18/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: 5920'KB

OPERATOR : H.JAMES

COMMENTS: FLOW WELL

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
18/08/88	12:20:00	5.333	1985.05	-1.72	220.09		
18/08/88	12:25:00	5.417	1983.69	-1.36	220.11		
18/08/88	12:30:00	5.500	1982.44	-1.25	220.11		
18/08/88	12:35:00	5.583	1982.42	-.02	220.11		
18/08/88	12:40:00	5.667	1981.58	-.84	220.12		
18/08/88	12:45:00	5.750	1980.79	-.78	220.12		
18/08/88	12:50:00	5.833	1979.77	-1.02	220.14		
18/08/88	12:55:00	5.917	1978.35	-1.42	220.14		
18/08/88	13:00:00	6.000	1977.94	-.42	220.14		
18/08/88	13:05:00	6.083	1984.39	6.46	220.15		14/64ths CHOKE
18/08/88	13:10:00	6.167	1984.95	.56	220.16		FLOW ANNULUS
18/08/88	13:15:00	6.250	1985.22	.27	220.16	118	10/64ths (HUTTON)
18/08/88	13:20:00	6.333	1986.69	1.47	220.16		(814 KPA)
18/08/88	13:25:00	6.417	1988.74	2.05	220.17		CSG.3000 KPA
18/08/88	13:30:00	6.500	1991.03	2.30	220.19		
18/08/88	13:35:00	6.583	1992.08	1.04	220.19		
18/08/88	13:40:00	6.667	1992.85	.77	220.19		
18/08/88	13:45:00	6.750	1992.45	-.40	220.20		
18/08/88	13:50:00	6.833	1991.99	-.46	220.22		
18/08/88	13:55:00	6.917	1992.02	.03	220.22		
18/08/88	14:21:29	7.358	1994.82	2.80	220.21		
18/08/88	14:22:29	7.375	1994.83	.01	220.21		
18/08/88	14:23:29	7.391	1994.85	.03	220.19		
18/08/88	14:24:29	7.408	1995.04	.18	220.19		
18/08/88	14:25:00	7.417	1995.20	.16	220.18		
18/08/88	14:30:00	7.500	1995.10	-.11	220.22		
18/08/88	14:35:00	7.583	1995.04	-.06	220.24		
18/08/88	14:40:00	7.667	1995.05	.01	220.26		
18/08/88	14:45:00	7.750	1995.14	.10	220.26		
18/08/88	14:50:00	7.833	1995.24	.10	220.27		
18/08/88	14:55:00	7.917	1994.98	-.26	220.26		
18/08/88	15:00:00	8.000	1995.58	.60	220.27	140	(965 KPA)
18/08/88	15:05:00	8.083	1993.30	-2.28	220.27		CSG. 3000 KPA
18/08/88	15:10:00	8.167	1993.97	.68	220.27		
18/08/88	15:15:00	8.250	1998.07	4.09	220.28		
18/08/88	15:20:00	8.333	1997.49	-.58	220.27		
18/08/88	15:25:00	8.417	1997.82	.33	220.28		
18/08/88	15:30:00	8.500	1998.10	.28	220.28		
18/08/88	15:35:00	8.583	1998.16	.07	220.28		
18/08/88	15:40:00	8.667	1997.92	-.24	220.28		
18/08/88	15:45:00	8.750	1997.55	-.37	220.29		
18/08/88	15:50:00	8.833	1997.42	-.14	220.29		
18/08/88	15:55:00	8.917	1997.18	-.24	220.28		
18/08/88	16:00:00	9.000	1998.23	1.05	220.29		
18/08/88	16:05:00	9.083	1998.40	.17	220.29		
18/08/88	16:10:00	9.167	1998.13	-.27	220.29		
18/08/88	16:15:00	9.250	1997.99	-.14	220.29		
18/08/88	16:20:00	9.333	1998.48	.49	220.29		
18/08/88	16:25:00	9.417	1998.28	-.20	220.29		
18/08/88	17:00:00	10.000	1997.51	0.00	219.60	153	(1055 KPA)
18/08/88	17:05:00	10.084	1997.94	.43	220.08		CSG. 2800 KPA

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD. DATE: 18/08/88 GAUGE 1 S/N: 599
 LOCATION : TANTANNA #1 TEST: S.R.T/P.B.U GAUGE 2 S/N: 0
 FORMATION: POOLAWANNA PERFORATIONS: 5912'-5934'KB GAUGE DEPTH: 5920'KB
 OPERATOR : H.JAMES COMMENTS: WELL FLOWING

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
18/08/88	17:10:00	10.167	1998.05	0.00	220.26		
18/08/88	17:15:00	10.250	1998.04	-.01	220.31		
18/08/88	17:20:00	10.334	1997.99	-.05	220.32		
18/08/88	17:25:00	10.417	1998.09	.11	220.32		
18/08/88	17:30:00	10.500	1997.96	-.14	220.32		
18/08/88	17:35:00	10.584	1997.66	-.30	220.33		
18/08/88	17:40:00	10.667	1998.20	.54	220.33		
18/08/88	17:45:00	10.750	1997.91	-.29	220.33		
18/08/88	17:50:00	10.834	1997.88	-.03	220.33		
18/08/88	17:55:00	10.917	1998.32	.43	220.34		
18/08/88	18:00:00	11.000	1998.35	.03	220.33		
18/08/88	18:05:00	11.084	1998.59	.24	220.33		
18/08/88	18:10:00	11.167	1998.52	-.07	220.33		
18/08/88	18:15:00	11.250	1998.80	.28	220.34		
18/08/88	18:20:00	11.334	1998.78	-.02	220.34		
18/08/88	18:25:00	11.417	1998.82	.04	220.34		
18/08/88	18:30:00	11.500	1999.07	.25	220.34		
18/08/88	18:35:00	11.584	1999.06	-.01	220.34		
18/08/88	18:40:00	11.667	1999.07	.01	220.35		
18/08/88	18:45:00	11.750	1999.18	.12	220.35		
18/08/88	18:50:00	11.834	1999.21	.03	220.35		
18/08/88	18:55:00	11.917	1999.14	-.08	220.35		
18/08/88	19:00:00	12.000	1999.17	.04	220.35	166	(1145 KPA)
18/08/88	19:05:00	12.084	1999.13	-.05	220.35		CSG.2900 KPA
18/08/88	19:10:00	12.167	1999.07	-.06	220.35		
18/08/88	19:15:00	12.250	1999.32	.25	220.35		
18/08/88	19:20:00	12.334	1999.61	.29	220.35		
18/08/88	19:25:00	12.417	1999.72	.11	220.36		
18/08/88	19:30:00	12.500	2000.05	.34	220.36		
18/08/88	19:35:00	12.584	2000.04	-.01	220.36		
18/08/88	19:40:00	12.667	2000.06	.02	220.36		
18/08/88	19:45:00	12.750	2000.19	.13	220.37		
18/08/88	19:50:00	12.834	2000.10	-.09	220.36		
18/08/88	19:55:00	12.917	2000.11	.01	220.37		
18/08/88	20:00:00	13.000	2000.16	.05	220.36		
18/08/88	20:05:00	13.084	2000.17	.01	220.37		
18/08/88	20:10:00	13.167	2000.28	.12	220.37		
18/08/88	20:15:00	13.250	2000.35	.07	220.37		
18/08/88	20:20:00	13.334	2000.39	.04	220.37		
18/08/88	20:25:00	13.417	2000.59	.20	220.37		
18/08/88	20:30:00	13.500	2000.81	.21	220.38		
18/08/88	20:35:00	13.584	2000.63	-.17	220.37		
18/08/88	20:40:00	13.667	2000.72	.09	220.38		
18/08/88	20:45:00	13.750	2000.73	.01	220.38		
18/08/88	20:50:00	13.834	2000.69	-.04	220.38		
18/08/88	20:55:00	13.917	2000.85	.16	220.38		
18/08/88	21:00:00	14.000	2001.00	.14	220.38	171	(1179 KPA)
18/08/88	21:05:00	14.084	2001.04	.04	220.38		CSG. 2900 KPA
18/08/88	21:10:00	14.167	2001.12	.09	220.38		
18/08/88	21:15:00	14.250	2001.19	.07	220.38		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.
 LOCATION : TANTANNA #1
 FORMATION: POOLAWANNA
 OPERATOR : H. JAMES

DATE: 18/08/88
 TEST: S.R.T/P.B.U
 PERFORATIONS: 5912'-5934'KB
 COMMENTS: WELL FLOWING

GAUGE 1 S/N: 599
 GAUGE 2 S/N: 0
 GAUGE DEPTH: 5920'KB

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
18/08/88	21:20:00	14.334	2001.26	.07	220.39		
18/08/88	21:25:00	14.417	2001.32	.06	220.39		
18/08/88	21:30:00	14.500	2001.25	-.07	220.39		
18/08/88	21:35:00	14.584	2001.32	.07	220.39		
18/08/88	21:40:00	14.667	2001.27	-.05	220.39		
18/08/88	21:45:00	14.750	2001.13	-.14	220.39		
18/08/88	21:50:00	14.834	2001.08	-.05	220.39		
18/08/88	21:55:00	14.917	2001.11	.03	220.40		
18/08/88	22:00:00	15.000	2001.16	.05	220.40		
18/08/88	22:05:00	15.084	2001.20	.04	220.40		
18/08/88	22:10:00	15.167	2003.33	2.13	220.40		
18/08/88	22:15:00	15.250	2003.49	.15	220.40		
18/08/88	22:20:00	15.334	2003.63	.14	220.40		
18/08/88	22:25:00	15.417	2003.80	.16	220.40		
18/08/88	22:30:00	15.500	2003.79	-.01	220.40		
18/08/88	22:35:00	15.584	2003.81	.02	220.40		
18/08/88	22:40:00	15.667	2003.85	.05	220.41		
18/08/88	22:45:00	15.750	2004.05	.19	220.41		
18/08/88	22:50:00	15.834	2004.20	.15	220.41		
18/08/88	22:55:00	15.917	2004.19	-.01	220.41	200	(1379 KPA) CSG.2900 KPA
18/08/88	23:00:00	16.000	2004.11	-.09	220.41		
18/08/88	23:05:00	16.084	2004.20	.10	220.42		
19/08/88	00:00:00	17.000	2005.27	0.00	220.41		
19/08/88	00:05:00	17.083	2005.22	-.06	220.42		
19/08/88	00:10:00	17.167	2005.15	-.07	220.42		
19/08/88	00:15:00	17.250	2005.40	.25	220.43		
19/08/88	00:20:00	17.333	2005.46	.06	220.43		
19/08/88	00:25:00	17.417	2005.72	.26	220.44		
19/08/88	00:30:00	17.500	2005.73	.01	220.43		
19/08/88	00:35:00	17.583	2005.72	-.01	220.44		
19/08/88	00:40:00	17.667	2005.73	.01	220.44		
19/08/88	00:45:00	17.750	2005.85	.13	220.44		
19/08/88	00:50:00	17.833	2005.82	-.03	220.44		
19/08/88	00:55:00	17.917	2005.89	.07	220.44	197	(1358 KPA) CSG. 2900 KPA
19/08/88	01:00:00	18.000	2005.91	.02	220.44		
19/08/88	01:05:00	18.083	2006.05	.14	220.44		
19/08/88	01:10:00	18.167	2006.17	.12	220.44		
19/08/88	01:15:00	18.250	2006.24	.07	220.44		
19/08/88	01:20:00	18.333	2006.28	.04	220.44		
19/08/88	01:25:00	18.417	2006.60	.32	220.44		
19/08/88	01:30:00	18.500	2006.47	-.13	220.44		
19/08/88	01:35:00	18.583	2006.48	.01	220.44		
19/08/88	01:40:00	18.667	2006.49	.01	220.44		
19/08/88	01:45:00	18.750	2006.57	.08	220.45		
19/08/88	01:50:00	18.833	2006.44	-.13	220.45		
19/08/88	01:55:00	18.917	2006.51	.07	220.45		
19/08/88	02:00:00	19.000	2006.51	.00	220.45		
19/08/88	02:05:00	19.083	2006.68	.17	220.45		
19/08/88	02:10:00	19.167	2006.61	-.07	220.45		
19/08/88	02:15:00	19.250	2007.15	.54	220.45		
19/08/88	02:20:00	19.333	2007.14	-.01	220.46		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 19/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: 5920'KB

OPERATOR : H.JAMES

COMMENTS: WELL FLOWING

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
19/08/88	02:25:00	19.417	2007.20	.06	220.46		
19/08/88	02:30:00	19.500	2007.28	.08	220.46		
19/08/88	02:35:00	19.583	2007.48	.20	220.46		
19/08/88	02:40:00	19.667	2007.42	-.06	220.46		
19/08/88	02:45:00	19.750	2007.47	.05	220.46		
19/08/88	02:50:00	19.833	2007.65	.17	220.46		
19/08/88	02:55:00	19.917	2007.61	-.04	220.45		
19/08/88	03:00:00	20.000	2007.63	.02	220.46	183	(1262 KPA)
19/08/88	03:05:00	20.083	2007.72	.10	220.46		CSG. 2900 KPA
19/08/88	03:10:00	20.167	2007.82	.10	220.46		
19/08/88	03:15:00	20.250	2007.82	-.00	220.47		
19/08/88	03:20:00	20.333	2007.78	-.04	220.46		
19/08/88	03:25:00	20.417	2007.78	0.00	220.46		
19/08/88	03:30:00	20.500	2007.84	.06	220.46		
19/08/88	03:35:00	20.583	2007.78	-.06	220.47		
19/08/88	03:40:00	20.667	2007.79	.01	220.47		
19/08/88	03:45:00	20.750	2007.83	.04	220.47		
19/08/88	03:50:00	20.833	2007.91	.08	220.47		
19/08/88	03:55:00	20.917	2008.04	.14	220.47		
19/08/88	04:00:00	21.000	2007.96	-.08	220.47		
19/08/88	04:05:00	21.083	2008.00	.04	220.48		
19/08/88	04:10:00	21.167	2008.00	0.00	220.48		
19/08/88	04:15:00	21.250	2008.32	.32	220.47		
19/08/88	04:20:00	21.333	2008.30	-.02	220.47		
19/08/88	04:25:00	21.417	2008.31	.01	220.48		
19/08/88	04:30:00	21.500	2008.36	.05	220.48		
19/08/88	04:35:00	21.583	2008.37	.01	220.47		
19/08/88	04:40:00	21.667	2008.40	.03	220.48		
19/08/88	04:45:00	21.750	2008.46	.06	220.49		
19/08/88	04:50:00	21.833	2008.43	-.03	220.48		
19/08/88	04:55:00	21.917	2008.57	.14	220.48		
19/08/88	05:00:00	22.000	2008.74	.16	220.49	182	(1255 KPA)
19/08/88	05:05:00	22.083	2008.78	.04	220.49		CSG. 3000 KPA
19/08/88	05:10:00	22.167	2008.80	.03	220.48		
19/08/88	05:15:00	22.250	2008.80	-.00	220.49		
19/08/88	05:20:00	22.333	2008.84	.04	220.49		
19/08/88	05:25:00	22.417	2008.80	-.04	220.49		
19/08/88	05:30:00	22.500	2008.91	.11	220.49		
19/08/88	05:35:00	22.583	2008.94	.03	220.49		
19/08/88	05:40:00	22.667	2009.06	.13	220.49		
19/08/88	05:45:00	22.750	2009.15	.09	220.49		
19/08/88	05:50:00	22.833	2009.29	.14	220.49		
19/08/88	05:55:00	22.917	2009.22	-.07	220.49		
19/08/88	06:00:00	23.000	2009.16	-.06	220.49		
19/08/88	06:05:00	23.083	2009.20	.04	220.50		
19/08/88	06:10:00	23.167	2009.20	.00	220.49		
19/08/88	06:15:00	23.250	2009.28	.08	220.50		
19/08/88	06:20:00	23.333	2009.42	.14	220.49		
19/08/88	06:25:00	23.417	2009.37	-.05	220.50		
19/08/88	06:30:00	23.500	2009.31	-.07	220.49		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.
 LOCATION : TANTANNA #1
 FORMATION : POOLAWANNA
 OPERATOR : H.JAMES

DATE: 19/08/88
 TEST: S.R.T/P.B.U
 PERFORATIONS: 5912'-5934'KB
 COMMENTS: WELL FLOWING

GAUGE 1 S/N: 599
 GAUGE 2 S/N: 0
 GAUGE DEPTH: 5920'KB
 14/64ths CHOKE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
19/08/88	06:40:00	23.667	2009.29	0.00	220.50		
19/08/88	06:45:00	23.750	2009.29	-.00	220.50		
19/08/88	06:50:00	23.833	2009.31	.02	220.50		
19/08/88	06:55:00	23.917	2009.32	.01	220.50		
19/08/88	07:00:00	24.000	2009.43	.12	220.51	188	(1296 KPA)
19/08/88	07:05:00	24.083	2009.42	-.01	220.51		CSG.3000 KPA
19/08/88	07:10:00	24.167	2009.44	.02	220.50		
19/08/88	07:15:00	24.250	2009.56	.12	220.50		
19/08/88	07:20:00	24.333	2010.15	.59	220.51		
19/08/88	07:25:00	24.417	2010.24	.10	220.51		
19/08/88	07:30:00	24.500	2010.44	.20	220.50		
19/08/88	07:35:00	24.583	2010.45	.01	220.51		
19/08/88	07:40:00	24.667	2010.40	-.06	220.52		
19/08/88	07:45:00	24.750	2010.48	.09	220.51		
19/08/88	07:50:00	24.833	2010.54	.06	220.51		
19/08/88	07:55:00	24.917	2010.54	-.00	220.51		
19/08/88	08:00:00	25.000	2010.42	-.13	220.51		
19/08/88	08:05:00	25.083	2010.52	.11	220.51		
19/08/88	08:10:00	25.167	2010.41	-.12	220.52		
19/08/88	08:15:00	25.250	2010.56	.15	220.52		
19/08/88	08:20:00	25.333	2010.47	-.09	220.51		
19/08/88	08:25:00	25.417	2010.44	-.03	220.51		
19/08/88	08:30:00	25.500	2010.52	.08	220.52		
19/08/88	08:35:00	25.583	2010.58	.06	220.51		
19/08/88	08:40:00	25.667	2010.63	.05	220.51		
19/08/88	08:45:00	25.750	2010.69	.06	220.52		
19/08/88	08:50:00	25.833	2010.75	.07	220.52		
19/08/88	08:55:00	25.917	2010.83	.08	220.53		
19/08/88	09:00:00	26.000	2010.72	-.11	220.52	189	(1303 KPA)
19/08/88	09:05:00	26.083	2010.71	-.02	220.52		CSG.3000 KPA
19/08/88	09:10:00	26.167	2010.71	.01	220.52		
19/08/88	09:15:00	26.250	2010.79	.08	220.52		
19/08/88	09:20:00	26.333	2010.76	-.03	220.52		
19/08/88	09:25:00	26.417	2010.79	.03	220.53		
19/08/88	09:30:00	26.500	2010.77	-.02	220.53		
19/08/88	09:35:00	26.583	2010.82	.05	220.52		
19/08/88	09:40:00	26.667	2010.84	.02	220.52		
19/08/88	09:45:00	26.750	2010.97	.13	220.53		
19/08/88	09:50:00	26.833	2010.98	.01	220.53		
19/08/88	09:55:00	26.917	2010.98	.01	220.53		
19/08/88	10:00:00	27.000	2010.97	-.02	220.53		
19/08/88	10:05:00	27.083	2010.96	-.01	220.54		
19/08/88	10:10:00	27.167	2011.06	.11	220.53		
19/08/88	10:15:00	27.250	2010.94	-.13	220.53		
19/08/88	10:20:00	27.333	2010.97	.04	220.54		
19/08/88	10:25:00	27.417	2011.07	.10	220.53		
19/08/88	10:30:00	27.500	2011.11	.04	220.53		
19/08/88	10:35:00	27.583	2011.23	.12	220.53		
19/08/88	10:40:00	27.667	2011.25	.02	220.54		
19/08/88	10:45:00	27.750	2011.36	.12	220.54		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 19/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: 5920'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
19/08/88	10:50:00	27.833	2011.34	0.00	220.54		
19/08/88	10:55:00	27.917	2011.42	.08	220.54		
19/08/88	11:00:00	0.000	2011.42	-.00	220.53		SHUT IN WELL
19/08/88	11:00:10	.003	2088.23	76.81	220.53	189	(1303 KPA)
19/08/88	11:00:20	.006	2088.23	76.81	220.54		DELTA T FROM S.I.
19/08/88	11:00:30	.008	2250.79	239.37	220.54		
19/08/88	11:00:40	.011	2250.79	239.37	220.53		DELTA P FROM S.I.
19/08/88	11:00:50	.014	2299.27	287.85	220.53		
19/08/88	11:01:00	.017	2299.27	287.85	220.52		10 SEC SAMPLE RATE
19/08/88	11:01:10	.019	2318.55	307.13	220.52		
19/08/88	11:01:20	.022	2318.55	307.13	220.52		CSG.3000 KPA
19/08/88	11:01:40	.028	2335.85	324.43	220.52		
19/08/88	11:01:50	.031	2335.85	324.43	220.51		
19/08/88	11:02:00	.033	2344.17	332.75	220.51		
19/08/88	11:02:10	.036	2344.17	332.75	220.51		
19/08/88	11:02:20	.039	2350.94	339.52	220.51		
19/08/88	11:02:30	.042	2350.94	339.52	220.51		
19/08/88	11:02:40	.044	2356.18	344.76	220.51		
19/08/88	11:02:50	.047	2356.18	344.76	220.51		
19/08/88	11:03:00	.050	2361.52	350.10	220.51		
19/08/88	11:03:10	.053	2361.52	350.10	220.52		
19/08/88	11:03:20	.056	2366.35	354.93	220.52		
19/08/88	11:03:30	.058	2366.35	354.93	220.52		
19/08/88	11:03:40	.061	2370.46	359.04	220.52		
19/08/88	11:03:50	.064	2370.46	359.04	220.52		
19/08/88	11:04:00	.067	2374.92	363.50	220.52		
19/08/88	11:04:10	.069	2374.92	363.50	220.53		
19/08/88	11:04:30	.075	2382.14	370.72	220.53		
19/08/88	11:04:40	.078	2382.14	370.72	220.53		
19/08/88	11:04:50	.081	2385.40	373.98	220.53		
19/08/88	11:05:00	.083	2388.41	376.99	220.52		30 SEC SAMPLE RATE
19/08/88	11:05:30	.092	2392.20	380.78	220.51		
19/08/88	11:06:00	.100	2396.85	385.43	220.53		
19/08/88	11:06:30	.108	2401.06	389.64	220.56		
19/08/88	11:07:00	.117	2405.23	393.81	220.59		
19/08/88	11:07:30	.125	2409.06	397.64	220.62		
19/08/88	11:08:00	.133	2412.75	401.33	220.65		
19/08/88	11:08:30	.142	2416.39	404.97	220.68		
19/08/88	11:09:00	.150	2419.78	408.36	220.71		
19/08/88	11:09:30	.158	2423.03	411.61	220.72		
19/08/88	11:10:00	.167	2426.13	414.71	220.74		
19/08/88	11:10:30	.175	2429.16	417.74	220.76		
19/08/88	11:11:00	.183	2431.94	420.52	220.76		
19/08/88	11:11:30	.192	2434.79	423.37	220.77		
19/08/88	11:12:00	.200	2437.49	426.07	220.78		
19/08/88	11:12:30	.208	2440.12	428.70	220.78		
19/08/88	11:13:00	.217	2442.59	431.17	220.77		
19/08/88	11:13:30	.225	2445.01	433.59	220.77		
19/08/88	11:14:30	.242	2451.63	440.21	220.79		
19/08/88	11:15:00	.250	2453.32	441.90	220.80	629	(4337 KPA)

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EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 19/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION : POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: 5920'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
19/08/88	11:15:30	.258	2454.77	443.35	220.79		CSG.3000 KPA
19/08/88	11:16:00	.267	2456.52	445.10	220.78		
19/08/88	11:16:30	.275	2457.99	446.57	220.78		
19/08/88	11:17:00	.283	2459.81	448.39	220.75		
19/08/88	11:17:30	.292	2461.74	450.32	220.73		
19/08/88	11:18:00	.300	2463.54	452.12	220.73		
19/08/88	11:18:30	.308	2465.40	453.98	220.72		
19/08/88	11:19:00	.317	2467.82	456.40	220.70		
19/08/88	11:19:30	.325	2468.95	457.53	220.70		
19/08/88	11:20:00	.333	2470.55	459.13	220.69		
19/08/88	11:20:30	.342	2472.13	460.71	220.67		
19/08/88	11:21:00	.350	2473.80	462.38	220.66		
19/08/88	11:21:30	.358	2475.25	463.83	220.64		
19/08/88	11:22:00	.367	2476.68	465.26	220.63		
19/08/88	11:22:30	.375	2478.10	466.68	220.62		
19/08/88	11:23:00	.383	2479.53	468.11	220.61		
19/08/88	11:23:30	.392	2480.85	469.43	220.59		
19/08/88	11:24:00	.400	2482.23	470.81	220.58		
19/08/88	11:24:30	.408	2483.70	472.28	220.57		
19/08/88	11:25:00	.417	2485.00	473.58	220.56		
19/08/88	11:25:30	.425	2486.20	474.78	220.55		
19/08/88	11:26:00	.433	2487.52	476.10	220.53		
19/08/88	11:26:30	.442	2488.62	477.20	220.52		
19/08/88	11:27:00	.450	2489.90	478.48	220.50		
19/08/88	11:27:30	.458	2491.05	479.63	220.50		
19/08/88	11:28:00	.467	2492.16	480.74	220.48		
19/08/88	11:28:30	.475	2493.20	481.78	220.47		
19/08/88	11:29:00	.483	2494.29	482.87	220.46		
19/08/88	11:29:30	.492	2494.99	483.57	220.45		
19/08/88	11:30:00	.500	2495.88	484.46	220.43	574	CSG.3000 KPA
19/08/88	11:31:00	.517	2497.98	486.56	220.42		
19/08/88	11:32:00	.533	2499.87	488.45	220.42		
19/08/88	11:33:00	.550	2501.54	490.12	220.41		
19/08/88	11:34:00	.567	2503.50	492.08	220.40		
19/08/88	11:35:00	.583	2505.23	493.81	220.39		
19/08/88	11:36:00	.600	2506.81	495.39	220.39		
19/08/88	11:37:00	.617	2508.59	497.17	220.38		
19/08/88	11:38:00	.633	2510.20	498.78	220.37		
19/08/88	11:39:00	.650	2511.72	500.30	220.35		
19/08/88	11:40:00	.667	2513.28	501.86	220.34		
19/08/88	11:41:00	.683	2514.73	503.31	220.33		
19/08/88	11:42:00	.700	2516.06	504.64	220.31		
19/08/88	11:43:00	.717	2517.43	506.01	220.30		
19/08/88	11:44:00	.733	2518.97	507.55	220.29		
19/08/88	11:45:00	.750	2520.14	508.72	220.27	595	(4792 KPA)
19/08/88	11:46:00	.757	2520.33	508.91	220.26		CSG.3000 KPA
19/08/88	11:47:00	.783	2522.40	510.98	220.25		
19/08/88	11:48:00	.800	2523.49	512.07	220.23		
19/08/88	11:49:00	.817	2524.50	513.08	220.22		
19/08/88	11:50:00	.833	2524.31	512.89	220.21		
19/08/88	11:51:00	.850	2526.44	515.02	220.20		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 19/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: 5920'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
19/08/88	11:52:00	.867	2525.01	513.59	220.18		
19/08/88	11:53:00	.883	2527.48	516.06	220.17		
19/08/88	11:54:00	.900	2528.88	517.46	220.16		
19/08/88	11:55:00	.917	2518.46	507.04	220.14		
19/08/88	11:56:00	.933	2527.27	515.85	220.13		
19/08/88	11:57:00	.950	2517.09	505.67	220.12		
19/08/88	11:58:00	.967	2524.62	513.20	220.10		
19/08/88	11:59:00	.983	2532.48	521.06	220.10		
19/08/88	12:00:00	1.000	2534.14	522.72	220.08	709	(4889 KPA)
19/08/88	12:01:00	1.017	2535.20	523.78	220.08		CSG.3000 KPA
19/08/88	12:02:00	1.033	2535.99	524.57	220.07		
19/08/88	12:03:00	1.050	2537.02	525.60	220.07		
19/08/88	12:04:00	1.067	2537.69	526.27	220.05		
19/08/88	12:05:00	1.083	2538.56	527.14	220.05		
19/08/88	12:06:00	1.100	2533.70	522.28	220.04		
19/08/88	12:07:00	1.117	2539.36	527.94	220.03		
19/08/88	12:08:00	1.133	2540.55	529.13	220.01		
19/08/88	12:09:00	1.150	2540.97	529.55	220.01		
19/08/88	12:10:00	1.167	2541.05	529.63	220.00		
19/08/88	12:11:00	1.183	2541.78	530.36	219.99		
19/08/88	12:12:00	1.200	2542.51	531.09	219.98		
19/08/88	12:13:00	1.217	2543.92	532.50	219.97		
19/08/88	12:14:00	1.233	2544.74	533.32	219.97		
19/08/88	12:15:00	1.250	2545.40	533.98	219.96		
19/08/88	12:16:00	1.267	2545.54	534.12	219.96		
19/08/88	12:17:00	1.283	2546.21	534.79	219.94		
19/08/88	12:18:00	1.300	2546.97	535.55	219.94		
19/08/88	12:19:00	1.317	2547.80	536.38	219.94		
19/08/88	12:20:00	1.333	2548.48	537.06	219.92		
19/08/88	12:21:00	1.350	2548.99	537.57	219.91		
19/08/88	12:22:00	1.367	2549.60	538.18	219.91		
19/08/88	12:23:00	1.383	2550.10	538.68	219.91		
19/08/88	12:24:00	1.400	2550.67	539.25	219.89		
19/08/88	12:25:00	1.417	2551.11	539.69	219.89		
19/08/88	12:26:00	1.433	2551.61	540.19	219.88		
19/08/88	12:27:00	1.450	2552.13	540.71	219.87		
19/08/88	12:28:00	1.467	2552.74	541.32	219.86		
19/08/88	12:29:00	1.483	2553.24	541.82	219.86		
19/08/88	12:30:00	1.500	2553.80	542.38	219.85	729	(5026 KPA)
19/08/88	12:31:00	1.517	2554.26	542.84	219.84		CSG.3000 KPA
19/08/88	12:32:00	1.533	2554.65	543.23	219.84		
19/08/88	12:33:00	1.550	2554.99	543.57	219.82		
19/08/88	12:34:00	1.567	2555.03	543.61	219.82		
19/08/88	12:35:00	1.583	2555.91	544.49	219.81		
19/08/88	12:36:00	1.600	2556.44	545.02	219.81		
19/08/88	12:37:00	1.617	2556.51	545.03	219.79		
19/08/88	12:38:00	1.633	2557.17	545.75	219.79		
19/08/88	12:39:00	1.650	2557.61	546.19	219.79		
19/08/88	12:40:00	1.667	2558.17	546.75	219.78		
19/08/88	12:41:00	1.683	2558.54	547.12	219.77		
19/08/88	12:42:00	1.700	2558.87	547.45	219.77		

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EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 19/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: 5920'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
19/08/88	12:43:00	1.717	2558.84	547.42	219.76		
19/08/88	12:44:00	1.733	2559.83	548.41	219.75		
19/08/88	12:45:00	1.750	2560.01	548.59	219.74		
19/08/88	12:46:00	1.767	2560.42	549.00	219.74		
19/08/88	12:47:00	1.783	2559.73	548.31	219.74		
19/08/88	12:48:00	1.800	2561.21	549.79	219.72		
19/08/88	12:49:00	1.817	2561.70	550.28	219.72		
19/08/88	12:50:00	1.833	2562.11	550.69	219.72		
19/08/88	12:51:00	1.850	2562.61	551.19	219.71		
19/08/88	12:52:00	1.867	2562.98	551.56	219.70		
19/08/88	12:53:00	1.883	2563.30	551.88	219.70		
19/08/88	12:54:00	1.900	2562.86	551.44	219.69		
19/08/88	12:55:00	1.917	2563.96	552.54	219.69		
19/08/88	12:56:00	1.933	2564.31	552.89	219.68		
19/08/88	12:57:00	1.950	2564.47	553.05	219.68		
19/08/88	12:58:00	1.967	2564.63	553.21	219.67		
19/08/88	12:59:00	1.983	2565.34	553.92	219.67		
19/08/88	13:00:00	2.000	2565.53	554.11	219.67	740	(5102 KPA)
19/08/88	13:05:00	2.083	2567.10	555.68	219.69		CSG.3000 KPA
19/08/88	13:10:00	2.167	2566.16	554.74	219.67		5 MIN SAMPLE RATE
19/08/88	13:15:00	2.250	2569.93	558.51	219.66		
19/08/88	13:20:00	2.333	2571.37	559.95	219.64		
19/08/88	13:25:00	2.417	2572.64	561.22	219.62		
19/08/88	13:30:00	2.500	2573.99	562.57	219.60	750	(5213 KPA)
19/08/88	13:35:00	2.583	2572.53	561.11	219.58		CSG.3000 KPA
19/08/88	13:40:00	2.667	2573.97	562.55	219.54		
19/08/88	13:45:00	2.750	2576.51	565.09	219.56		
19/08/88	13:50:00	2.833	2576.56	565.14	219.55		
19/08/88	13:55:00	2.917	2579.78	568.36	219.55		
19/08/88	14:00:00	3.000	2581.10	569.68	219.53	756	(5213 KPA)
19/08/88	14:05:00	3.083	2581.19	569.77	219.52		CSG.3000 KPA
19/08/88	14:10:00	3.167	2582.18	570.76	219.51		
19/08/88	14:15:00	3.250	2582.96	571.54	219.49		
19/08/88	14:20:00	3.333	2584.32	572.90	219.49		
19/08/88	14:25:00	3.417	2585.16	573.74	219.48		
19/08/88	14:30:00	3.500	2586.01	574.59	219.46	762	(5254 KPA)
19/08/88	14:35:00	3.583	2586.56	575.14	219.45		CSG.3000 KPA
19/08/88	14:40:00	3.667	2587.34	575.92	219.44		
19/08/88	14:45:00	3.750	2588.17	576.75	219.43		
19/08/88	14:50:00	3.833	2589.12	577.70	219.42		
19/08/88	14:55:00	3.917	2590.03	578.61	219.42		
19/08/88	15:00:00	4.000	2589.75	578.33	219.41	765	(5275 KPA)
19/08/88	15:05:00	4.083	2589.86	578.44	219.41		CSG.3000 KPA
19/08/88	15:10:00	4.167	2591.02	579.60	219.40		
19/08/88	15:15:00	4.250	2592.33	580.91	219.40		
19/08/88	15:20:00	4.333	2592.86	581.44	219.38		
19/08/88	15:25:00	4.417	2593.74	582.32	219.38		
19/08/88	15:30:00	4.500	2593.80	582.38	219.37		
19/08/88	15:35:00	4.583	2593.81	582.39	219.37		
19/08/88	15:40:00	4.667	2595.34	583.92	219.36		
19/08/88	15:45:00	4.750	2596.25	584.83	219.35		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 19/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: 5920'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
19/08/88	15:50:00	4.833	2596.79	585.37	219.34		
19/08/88	15:55:00	4.917	2597.28	585.86	219.33		
19/08/88	16:00:00	5.000	2591.45	580.03	219.32		
19/08/88	16:05:00	5.083	2598.21	586.79	219.31		
19/08/88	16:10:00	5.167	2598.84	587.42	219.31		
19/08/88	16:15:00	5.250	2596.28	584.86	219.30		
19/08/88	16:20:00	5.333	2590.00	578.58	219.30		
19/08/88	16:25:00	5.417	2599.51	588.09	219.30		
19/08/88	16:30:00	5.500	2599.46	588.04	219.30		
19/08/88	16:35:00	5.583	2600.17	588.75	219.30		
19/08/88	16:40:00	5.667	2601.28	589.86	219.30		
19/08/88	16:45:00	5.750	2601.53	590.11	219.29		
19/08/88	16:50:00	5.833	2602.15	590.73	219.29		
19/08/88	16:55:00	5.917	2600.44	589.02	219.29		
19/08/88	17:00:00	6.000	2602.59	591.17	219.28		
19/08/88	17:05:00	6.083	2603.31	591.89	219.27		
19/08/88	17:10:00	6.167	2603.97	592.55	219.26		
19/08/88	17:15:00	6.250	2604.12	592.70	219.25		
19/08/88	17:20:00	6.333	2603.61	592.19	219.26		
19/08/88	17:25:00	6.417	2604.82	593.40	219.27		
19/08/88	17:30:00	6.500	2605.14	593.72	219.25		
19/08/88	17:35:00	6.583	2605.52	594.10	219.23		
19/08/88	17:40:00	6.667	2605.90	594.48	219.24		
19/08/88	17:45:00	6.750	2605.96	594.54	219.23		
19/08/88	17:50:00	6.833	2606.67	595.25	219.23		
19/08/88	17:55:00	6.917	2607.00	595.58	219.22		
19/08/88	18:00:00	7.000	2607.27	595.85	219.20		
19/08/88	18:05:00	7.083	2607.70	596.28	219.20		
19/08/88	18:10:00	7.167	2607.91	596.49	219.20		
19/08/88	18:15:00	7.250	2608.10	596.68	219.20		
19/08/88	18:20:00	7.333	2608.49	597.07	219.18		
19/08/88	18:25:00	7.417	2608.79	597.37	219.18		
19/08/88	18:30:00	7.500	2609.06	597.64	219.18		
19/08/88	18:35:00	7.583	2609.29	597.87	219.17		
19/08/88	18:40:00	7.667	2609.62	598.20	219.17		
19/08/88	18:45:00	7.750	2609.84	598.42	219.17		
19/08/88	18:50:00	7.833	2610.12	598.70	219.16		
19/08/88	18:55:00	7.917	2610.43	599.01	219.15		
19/08/88	19:00:00	8.000	2610.58	599.16	219.15	784	(5406 KPA)
19/08/88	19:10:00	8.167	2611.02	599.60	219.14		CSG.3000 KPA
19/08/88	19:20:00	8.333	2611.44	600.02	219.15		
19/08/88	19:30:00	8.500	2611.87	600.45	219.14		
19/08/88	19:40:00	8.667	2612.34	600.92	219.12		
19/08/88	19:50:00	8.833	2612.71	601.29	219.12		
19/08/88	20:00:00	9.000	2613.12	601.70	219.11		
19/08/88	20:10:00	9.167	2613.47	602.05	219.10		
19/08/88	20:20:00	9.333	2613.86	602.44	219.11		
19/08/88	20:30:00	9.500	2614.23	602.81	219.09		
19/08/88	20:40:00	9.667	2614.51	603.09	219.07		
19/08/88	20:50:00	9.833	2614.83	603.41	219.07		
19/08/88	21:00:00	10.000	2615.18	603.76	219.06		

10 MIN SAMPLE RATE

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 19/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: 5920'KB

OPERATOR : H. JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
19/08/88	21:10:00	10.167	2615.47	604.05	219.05		
19/08/88	21:20:00	10.333	2615.80	604.38	219.05		
19/08/88	21:30:00	10.500	2616.08	604.66	219.05		
19/08/88	21:40:00	10.667	2616.29	604.87	219.04		
19/08/88	21:50:00	10.833	2616.60	605.18	219.04		
19/08/88	22:00:00	11.000	2616.84	605.42	219.03		
19/08/88	22:10:00	11.167	2617.12	605.70	219.02		
19/08/88	22:20:00	11.333	2617.33	605.91	219.02		
19/08/88	22:30:00	11.500	2617.58	606.16	219.01		
19/08/88	22:40:00	11.667	2617.90	606.48	219.02		
19/08/88	22:50:00	11.833	2617.85	606.43	219.01		
19/08/88	23:00:00	12.000	2618.24	606.82	219.01	792	(5461 KPA)
19/08/88	23:10:00	12.167	2618.48	607.06	219.00		CSG.3000 KPA
19/08/88	23:20:00	12.333	2618.73	607.31	218.99		
19/08/88	23:30:00	12.500	2618.96	607.54	218.98		
19/08/88	23:40:00	12.667	2619.14	607.72	218.98		
19/08/88	23:50:00	12.833	2619.21	607.79	218.98		
20/08/88	00:00:00	13.000	2619.40	607.98	218.97		
20/08/88	00:10:00	13.167	2619.64	608.22	218.98		
20/08/88	00:20:00	13.333	2619.82	608.40	218.97		
20/08/88	00:30:00	13.500	2620.11	608.69	218.97		
20/08/88	00:40:00	13.667	2620.29	608.87	218.97		
20/08/88	00:50:00	13.833	2620.48	609.06	218.96		
20/08/88	01:00:00	14.000	2620.61	609.19	218.95		
20/08/88	01:10:00	14.167	2620.81	609.39	218.94		
20/08/88	01:20:00	14.333	2620.95	609.53	218.95		
20/08/88	01:30:00	14.500	2621.08	609.66	218.94		
20/08/88	01:40:00	14.667	2621.22	609.80	218.94		
20/08/88	01:50:00	14.833	2621.39	609.97	218.93		
20/08/88	02:00:00	15.000	2621.52	610.10	218.93		
20/08/88	02:10:00	15.167	2621.66	610.24	218.93		
20/08/88	02:20:00	15.333	2621.80	610.38	218.93		
20/08/88	02:30:00	15.500	2621.90	610.48	218.92		
20/08/88	02:40:00	15.667	2622.04	610.62	218.92		
20/08/88	02:50:00	15.833	2622.18	610.76	218.92		
20/08/88	03:00:00	16.000	2622.29	610.87	218.91	792	(5461 KPA)
20/08/88	03:10:00	16.167	2622.39	610.97	218.91		CSG.3000 KPA
20/08/88	03:20:00	16.333	2622.54	611.12	218.91		
20/08/88	03:30:00	16.500	2622.56	611.14	218.91		
20/08/88	03:40:00	16.667	2622.70	611.28	218.92		
20/08/88	03:50:00	16.833	2622.73	611.31	218.92		
20/08/88	04:00:00	17.000	2622.87	611.45	218.91		
20/08/88	04:10:00	17.167	2623.01	611.59	218.90		
20/08/88	04:20:00	17.333	2623.10	611.68	218.90		
20/08/88	04:30:00	17.500	2623.19	611.77	218.89		
20/08/88	04:40:00	17.667	2623.31	611.89	218.89		
20/08/88	04:50:00	17.833	2623.43	612.01	218.88		
20/08/88	05:00:00	18.000	2623.48	612.06	218.88		
20/08/88	05:10:00	18.167	2623.65	612.23	218.89		
20/08/88	05:20:00	18.333	2623.64	612.22	218.88		
20/08/88	05:30:00	18.500	2623.72	612.30	218.88		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD. DATE: 20/08/88 GAUGE 1 S/N: 599
 LOCATION : TANTANNA #1 TEST: S.R.T/P.B.U GAUGE 2 S/N: 0
 FORMATION: POOLAWANNA PERFORATIONS: 5912'-5934'KB GAUGE DEPTH: 5920'KB
 OPERATOR : H.JAMES COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
20/08/88	05:40:00	18.667	2623.90	612.48	218.88		
20/08/88	05:50:00	18.833	2623.98	612.56	218.88		
20/08/88	06:00:00	19.000	2623.99	612.57	218.87		
20/08/88	06:10:00	19.167	2624.13	612.71	218.87		
20/08/88	06:20:00	19.333	2624.17	612.75	218.87		
20/08/88	06:30:00	19.500	2624.30	612.88	218.87		
20/08/88	06:40:00	19.667	2624.31	612.89	218.87		
20/08/88	06:50:00	19.833	2624.48	613.06	218.87		
20/08/88	07:00:00	20.000	2624.57	613.15	218.86		
20/08/88	07:10:00	20.167	2624.63	613.21	218.86		CSG.3000 KPA
20/08/88	07:20:00	20.333	2624.66	613.24	218.86		
20/08/88	07:30:00	20.500	2624.68	613.26	218.86		
20/08/88	07:40:00	20.667	2624.77	613.35	218.86		
20/08/88	07:50:00	20.833	2624.72	613.30	218.86		
20/08/88	08:00:00	21.000	2624.83	613.41	218.86		
20/08/88	08:10:00	21.167	2624.83	613.41	218.86		
20/08/88	08:20:00	21.333	2624.87	613.45	218.84		
20/08/88	08:30:00	21.500	2625.00	613.58	218.85		
20/08/88	08:40:00	21.667	2625.08	613.66	218.85		
20/08/88	08:50:00	21.833	2625.09	613.67	218.85		
20/08/88	09:00:00	22.000	2625.08	613.66	218.86		
20/08/88	09:10:00	22.167	2625.21	613.79	218.85		
20/08/88	09:20:00	22.333	2625.23	613.81	218.86		
20/08/88	09:30:00	22.500	2625.22	613.80	218.86		
20/08/88	09:40:00	22.667	2625.28	613.86	218.86		
20/08/88	09:50:00	22.833	2625.37	613.95	218.86		
20/08/88	10:00:00	23.000	2625.36	613.94	218.85		
20/08/88	10:10:00	23.167	2625.39	613.97	218.84		
20/08/88	10:20:00	23.333	2625.47	614.05	218.85		
20/08/88	10:30:00	23.500	2625.49	614.07	218.84		
20/08/88	10:40:00	23.667	2625.53	614.11	218.84		
20/08/88	10:50:00	23.833	2625.64	614.22	218.84		
20/08/88	11:00:00	24.000	2625.74	614.32	218.83	799	(5509 KPA)
20/08/88	11:10:00	24.167	2625.76	614.34	218.83		CSG.3000 KPA
20/08/88	11:20:00	24.333	2625.75	614.33	218.83		
20/08/88	11:30:00	24.500	2625.77	614.35	218.83		
20/08/88	11:40:00	24.667	2625.96	614.54	218.83		
20/08/88	11:50:00	24.833	2625.92	614.50	218.82		
20/08/88	12:00:00	25.000	2625.98	614.56	218.82		
20/08/88	12:10:00	25.167	2625.99	614.57	218.83		
20/08/88	12:20:00	25.333	2625.42	614.00	218.83		
20/08/88	12:30:00	25.500	2625.94	614.52	218.82		
20/08/88	12:40:00	25.667	2626.13	614.71	218.82		
20/08/88	12:50:00	25.833	2626.09	614.67	218.82		
20/08/88	13:00:00	26.000	2626.05	614.63	218.82		
20/08/88	13:10:00	26.167	2626.17	614.75	218.82		
20/08/88	13:20:00	26.333	2626.20	614.78	218.82		
20/08/88	13:30:00	26.500	2626.16	614.74	218.83		
20/08/88	13:40:00	26.667	2626.28	614.86	218.82		
20/08/88	13:50:00	26.833	2626.31	614.89	218.81		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 20/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: 5920'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
20/08/88	14:00:00	27.000	2626.31	614.89	218.82	800	(5515 KPA) CSG.3000 KPA
20/08/88	14:10:00	27.167	2626.40	614.98	218.82		
20/08/88	14:20:00	27.333	2626.36	614.94	218.81		
20/08/88	14:30:00	27.500	2626.48	615.06	218.82		
20/08/88	14:40:00	27.667	2626.44	615.02	218.82		
20/08/88	14:50:00	27.833	2626.64	615.22	218.81		
20/08/88	15:00:00	28.000	2626.72	615.30	218.81		
20/08/88	15:10:00	28.167	2626.65	615.23	218.81		
20/08/88	15:20:00	28.333	2626.65	615.23	218.81		
20/08/88	15:30:00	28.500	2626.69	615.27	218.81		
20/08/88	15:40:00	28.667	2626.86	615.44	218.80		
20/08/88	15:50:00	28.833	2626.77	615.35	218.82		
20/08/88	16:00:00	29.000	2626.84	615.42	218.82		
20/08/88	16:10:00	29.167	2627.01	615.59	218.81		
20/08/88	16:20:00	29.333	2626.85	615.43	218.81		
20/08/88	16:30:00	29.500	2627.02	615.60	218.80		
20/08/88	16:40:00	29.667	2627.14	615.72	218.80		
20/08/88	16:50:00	29.833	2627.02	615.60	218.79		
20/08/88	17:00:00	30.000	2627.10	615.68	218.80		
20/08/88	17:10:00	30.167	2627.15	615.73	218.81		
20/08/88	17:20:00	30.333	2627.19	615.77	218.81	802	(5530 KPA) CSG.3000 KPA
20/08/88	17:30:00	30.500	2627.19	615.77	218.80		
20/08/88	17:40:00	30.667	2627.23	615.81	218.80		
20/08/88	17:50:00	30.833	2627.34	615.92	218.80		
20/08/88	18:00:00	31.000	2627.34	615.92	218.80		
20/08/88	18:10:00	31.167	2627.32	615.90	218.80		
20/08/88	18:20:00	31.333	2627.35	615.93	218.80		
20/08/88	18:30:00	31.500	2627.39	615.97	218.81		
20/08/88	18:40:00	31.667	2627.49	616.07	218.80		
20/08/88	18:50:00	31.833	2627.60	616.18	218.79		
20/08/88	19:00:00	32.000	2627.63	616.21	218.79		
20/08/88	19:10:00	32.167	2627.69	616.27	218.79		
20/08/88	19:20:00	32.333	2627.67	616.25	218.80		
20/08/88	19:30:00	32.500	2627.66	616.24	218.80		
20/08/88	19:40:00	32.667	2627.72	616.30	218.80		
20/08/88	19:50:00	32.833	2627.76	616.34	218.79		
20/08/88	20:00:00	33.000	2627.79	616.37	218.80		
20/08/88	20:10:00	33.167	2627.86	616.44	218.79		
20/08/88	20:20:00	33.333	2627.88	616.46	218.79		
20/08/88	20:30:00	33.500	2627.92	616.50	218.80		
20/08/88	20:40:00	33.667	2627.96	616.54	218.80		
20/08/88	20:50:00	33.833	2627.97	616.55	218.79		
20/08/88	21:00:00	34.000	2628.09	616.67	218.79		
20/08/88	21:10:00	34.167	2628.04	616.62	218.79		
20/08/88	21:20:00	34.333	2628.14	616.72	218.79		
20/08/88	21:30:00	34.500	2628.19	616.77	218.79		
20/08/88	21:40:00	34.667	2628.14	616.72	218.79		
20/08/88	21:50:00	34.833	2628.23	616.81	218.79		
20/08/88	22:00:00	35.000	2628.26	616.84	218.79		
20/08/88	22:10:00	35.167	2628.32	616.90	218.79		
20/08/88	22:20:00	35.333	2628.32	616.90	218.79		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE : 20/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: 5920'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (*F)	SURFACE (PSIG)	REMARKS
20/08/88	22:30:00	35.500	2628.30	616.88	218.79	802	(5530 KPA) 3000 KPA
20/08/88	22:40:00	35.667	2628.36	616.94	218.79		
20/08/88	22:50:00	35.833	2628.45	617.03	218.78		
20/08/88	23:00:00	36.000	2628.45	617.03	218.78		
20/08/88	23:10:00	36.167	2628.53	617.11	218.78		
20/08/88	23:20:00	36.333	2628.48	617.06	218.78		
20/08/88	23:30:00	36.500	2628.50	617.08	218.79		
20/08/88	23:40:00	36.667	2628.51	617.09	218.79		
20/08/88	23:50:00	36.833	2628.58	617.16	218.78		
21/08/88	00:00:00	37.000	2628.60	617.18	218.77		
21/08/88	00:10:00	37.167	2628.63	617.21	218.78		
21/08/88	00:20:00	37.333	2628.66	617.24	218.78		
21/08/88	00:30:00	37.500	2628.73	617.31	218.78		
21/08/88	00:40:00	37.667	2628.77	617.35	218.77		
21/08/88	00:50:00	37.833	2628.77	617.35	218.77		
21/08/88	01:00:00	38.000	2628.99	617.57	217.83		
21/08/88	01:10:00	38.167	2629.10	617.68	218.67		
21/08/88	01:20:00	38.333	2628.82	617.40	218.77		
21/08/88	01:30:00	38.500	2628.85	617.43	218.77		
21/08/88	01:40:00	38.667	2628.85	617.43	218.77		
21/08/88	01:50:00	38.833	2628.89	617.47	218.78		
21/08/88	02:00:00	39.000	2628.88	617.46	218.79	803	(5537 KPA) CSG. 3000 KPA
21/08/88	02:10:00	39.167	2628.86	617.44	218.78		
21/08/88	02:20:00	39.333	2628.96	617.54	218.79		
21/08/88	02:30:00	39.500	2629.00	617.58	218.78		
21/08/88	02:40:00	39.667	2629.00	617.58	218.77		
21/08/88	02:50:00	39.833	2629.05	617.63	218.77		
21/08/88	03:00:00	40.000	2628.98	617.56	218.77		
21/08/88	03:10:00	40.167	2629.06	617.64	218.77		
21/08/88	03:20:00	40.333	2629.10	617.68	218.76		
21/08/88	03:30:00	40.500	2629.13	617.71	218.76		
21/08/88	03:40:00	40.667	2629.10	617.68	218.77		
21/08/88	03:50:00	40.833	2629.14	617.72	218.77		
21/08/88	04:00:00	41.000	2629.23	617.81	218.77		
21/08/88	04:10:00	41.167	2629.19	617.77	218.77		
21/08/88	04:20:00	41.333	2629.23	617.81	218.77		
21/08/88	04:30:00	41.500	2629.27	617.85	218.77		
21/08/88	04:40:00	41.667	2629.26	617.84	218.77		
21/08/88	04:50:00	41.833	2629.14	617.72	218.76		
21/08/88	05:00:00	42.000	2629.26	617.84	218.77		
21/08/88	05:10:00	42.167	2629.30	617.88	218.76		
21/08/88	05:20:00	42.333	2629.33	617.91	218.77		
21/08/88	05:30:00	42.500	2629.18	617.76	218.76		
21/08/88	05:40:00	42.667	2629.30	617.88	218.76		
21/08/88	05:50:00	42.833	2629.27	617.85	218.77		
21/08/88	06:00:00	43.000	2629.41	617.99	218.76		
21/08/88	06:10:00	43.167	2629.38	617.96	218.77		
21/08/88	06:20:00	43.333	2629.45	618.03	218.77		
21/08/88	06:30:00	43.500	2629.46	618.04	218.77		
21/08/88	06:40:00	43.667	2629.48	618.06	218.76		
21/08/88	06:50:00	43.833	2629.52	618.10	218.76		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 21/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: 5920'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
21/08/88	07:00:00	44.000	2629.55	618.13	218.76	804	(5545 KPA)
21/08/88	07:10:00	44.167	2629.54	618.12	218.77		CSG.3000 KPA
21/08/88	07:20:00	44.333	2629.66	618.24	218.75		
21/08/88	07:30:00	44.500	2629.69	618.27	218.76		
21/08/88	07:40:00	44.667	2629.59	618.17	218.76		
21/08/88	07:50:00	44.833	2629.66	618.24	218.77		
21/08/88	08:00:00	45.000	2629.66	618.24	218.76		
21/08/88	08:10:00	45.167	2629.76	618.34	218.77		
21/08/88	08:20:00	45.333	2629.78	618.36	218.76		
21/08/88	08:30:00	45.500	2629.50	618.08	218.75	804	P.O.H. FOR
21/08/88	08:34:00	45.567	2572.60	0.00	217.92		STATIC GRADIENT
21/08/88	08:35:00	45.583	2573.34	.74	217.61		1st STOP @ 5750'
21/08/88	08:36:00	45.600	2574.57	1.23	217.38		
21/08/88	08:37:00	45.617	2575.52	.95	217.21		
21/08/88	08:38:00	45.633	2576.34	.82	217.08		
21/08/88	08:39:00	45.650	2576.97	.63	216.97		
21/08/88	08:40:00	45.667	2577.51	.54	216.89		
21/08/88	08:41:00	45.683	2577.97	.45	216.83		
21/08/88	08:42:00	45.700	2578.35	.39	216.77		
21/08/88	08:43:00	45.717	2578.57	.22	216.72		
21/08/88	08:44:00	45.733	2578.82	.24	216.68		
21/08/88	08:45:00	45.750	2578.98	.16	216.65		
21/08/88	08:46:00	45.767	2579.16	.18	216.61		
21/08/88	08:47:00	45.783	2579.27	.11	216.58		
21/08/88	08:48:00	45.800	2579.40	.13	216.56		
21/08/88	08:49:00	45.817	2579.52	.13	216.54		
21/08/88	08:50:00	45.833	2579.60	.08	216.52		
21/08/88	08:51:00	45.850	2579.64	.04	216.51		
21/08/88	08:52:00	45.867	2579.73	.09	216.49		
21/08/88	08:53:00	45.883	2579.83	.11	216.48		
21/08/88	08:54:00	45.900	2579.81	-.02	216.47		
21/08/88	08:55:00	45.917	2579.86	.05	216.46		
21/08/88	08:56:00	45.933	2579.88	.02	216.44		
21/08/88	08:57:00	45.950	2579.94	.06	216.43		
21/08/88	08:58:00	45.967	2579.95	.01	216.42		
21/08/88	08:59:00	45.983	2579.95	.00	216.42		
21/08/88	09:00:00	46.000	2579.98	.03	216.41		
21/08/88	09:01:00	46.017	2580.04	.06	216.41		
21/08/88	09:02:00	46.033	2580.06	.02	216.40		P.O.H.
21/08/88	09:06:00	46.100	2494.65	-85.41	215.34		2nd STOP @ 5500'
21/08/88	09:07:00	46.117	2495.76	1.12	214.98		
21/08/88	09:08:00	46.133	2497.34	1.58	214.71		
21/08/88	09:09:00	46.150	2498.63	1.29	214.51		
21/08/88	09:10:00	46.167	2499.63	1.01	214.36		
21/08/88	09:11:00	46.183	2500.50	.86	214.24		
21/08/88	09:12:00	46.200	2501.05	.55	214.15		
21/08/88	09:13:00	46.217	2501.63	.58	214.08		
21/08/88	09:14:00	46.233	2501.99	.36	214.02		
21/08/88	09:15:00	46.250	2502.34	.35	213.97		
21/08/88	09:16:00	46.267	2502.57	.23	213.92		
21/08/88	09:17:00	46.283	2502.74	.17	213.89		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD. DATE: 21/08/88
 LOCATION : TANTANNA #1 TEST: S.R.T/P.B.U
 FORMATION: POOLAWANNA PERFORATIONS: 5912'-5934'KB
 OPERATOR : H.JAMES COMMENTS: GRADIENT

GAUGE 1 S/N: 599
 GAUGE 2 S/N: 0
 GAUGE DEPTH: GRAD.

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
21/08/88	09:18:00	46.300	2502.84	.10	213.85		
21/08/88	09:19:00	46.317	2503.05	.21	213.82		
21/08/88	09:20:00	46.333	2503.04	-.01	213.80		
21/08/88	09:21:00	46.350	2503.17	.13	213.77		
21/08/88	09:22:00	46.367	2503.24	.07	213.75		
21/08/88	09:23:00	46.383	2503.26	.02	213.73		
21/08/88	09:24:00	46.400	2503.35	.10	213.71		
21/08/88	09:25:00	46.417	2503.45	.10	213.69		
21/08/88	09:26:00	46.433	2503.40	-.05	213.67		
21/08/88	09:27:00	46.450	2503.50	.10	213.67		
21/08/88	09:28:00	46.467	2503.51	.01	213.66		
21/08/88	09:29:00	46.483	2503.56	.05	213.64		
21/08/88	09:30:00	46.500	2503.63	.07	213.62		P.O.H.
21/08/88	09:35:00	46.583	2339.63	-163.99	212.19		3rd STOP @ 5000'
21/08/88	09:36:00	46.600	2339.28	-.36	211.70		
21/08/88	09:37:00	46.617	2342.06	2.78	211.35		
21/08/88	09:38:00	46.633	2343.79	1.74	211.08		
21/08/88	09:39:00	46.650	2345.19	1.40	210.89		
21/08/88	09:40:00	46.667	2346.28	1.10	210.74		
21/08/88	09:41:00	46.683	2347.09	.80	210.61		
21/08/88	09:42:00	46.700	2347.79	.70	210.51		
21/08/88	09:43:00	46.717	2348.34	.55	210.43		
21/08/88	09:44:00	46.733	2348.80	.47	210.37		
21/08/88	09:45:00	46.750	2349.21	.41	210.32		
21/08/88	09:46:00	46.767	2349.34	.13	210.27		
21/08/88	09:47:00	46.783	2349.63	.29	210.23		
21/08/88	09:48:00	46.800	2349.82	.19	210.19		
21/08/88	09:49:00	46.817	2350.00	.17	210.17		
21/08/88	09:50:00	46.833	2350.11	.11	210.14		
21/08/88	09:51:00	46.850	2349.45	-.66	210.12		
21/08/88	09:52:00	46.867	2350.01	.56	210.09		
21/08/88	09:53:00	46.883	2350.23	.22	210.08		
21/08/88	09:54:00	46.900	2350.05	-.18	210.06		
21/08/88	09:55:00	46.917	2350.34	.29	210.05		
21/08/88	09:56:00	46.933	2349.62	-.71	210.03		
21/08/88	09:57:00	46.950	2350.34	.72	210.02		
21/08/88	09:58:00	46.967	2350.35	.01	210.01		
21/08/88	09:59:00	46.983	2350.18	-.17	209.99		
21/08/88	10:00:00	47.000	2350.46	.28	209.98		
21/08/88	10:01:00	47.017	2350.61	.15	209.98		
21/08/88	10:02:00	47.033	2350.58	-.03	209.97		
21/08/88	10:03:00	47.050	2350.57	-.01	209.97		
21/08/88	10:04:00	47.067	2350.61	.04	209.95		P.O.H.
21/08/88	10:11:00	47.183	2182.20	-168.41	207.00		4th STOP @ 4500'
21/08/88	10:12:00	47.200	2184.12	1.92	206.35		
21/08/88	10:13:00	47.217	2186.63	2.51	205.86		
21/08/88	10:14:00	47.233	2188.85	2.23	205.49		
21/08/88	10:15:00	47.250	2190.72	1.86	205.21		
21/08/88	10:16:00	47.267	2191.68	.96	204.99		
21/08/88	10:17:00	47.283	2193.15	1.46	204.81		
21/08/88	10:18:00	47.300	2194.17	1.02	204.67		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 21/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: GRAD.

OPERATOR : H.JAMES

COMMENTS: GRADIENT

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
21/08/88	10:19:00	47.317	2195.04	.87	204.55		
21/08/88	10:20:00	47.333	2195.71	.67	204.46		
21/08/88	10:21:00	47.350	2196.35	.64	204.37		
21/08/88	10:22:00	47.367	2196.95	.60	204.31		
21/08/88	10:23:00	47.383	2197.52	.57	204.26		
21/08/88	10:24:00	47.400	2197.98	.46	204.21		
21/08/88	10:25:00	47.417	2198.40	.42	204.17		
21/08/88	10:26:00	47.433	2198.61	.21	204.14		
21/08/88	10:27:00	47.450	2198.35	-.26	204.11		
21/08/88	10:28:00	47.467	2198.91	.56	204.09		
21/08/88	10:29:00	47.483	2199.14	.23	204.07		
21/08/88	10:30:00	47.500	2199.26	.12	204.05		
21/08/88	10:31:00	47.517	2199.43	.17	204.04		
21/08/88	10:32:00	47.533	2199.54	.11	204.02		
21/08/88	10:33:00	47.550	2199.59	.05	204.01		
21/08/88	10:34:00	47.567	2198.77	-.82	204.00		
21/08/88	10:35:00	47.583	2199.29	.52	204.00		
21/08/88	10:36:00	47.600	2199.45	.15	203.99		
21/08/88	10:37:00	47.617	2199.47	.02	204.00		
21/08/88	10:38:00	47.633	2199.37	-.10	203.98		
21/08/88	10:39:00	47.650	2199.41	.04	203.99		
21/08/88	10:40:00	47.667	2199.27	-.13	203.98		
21/08/88	10:41:00	47.683	2199.23	-.04	203.98		
21/08/88	10:42:00	47.700	2199.17	-.07	203.97		
21/08/88	10:46:00	47.767	2031.60	-167.57	202.22		P.O.H.
21/08/88	10:47:00	47.783	2032.62	1.02	201.48		5th STOP @ 4000'
21/08/88	10:48:00	47.800	2035.01	2.39	200.96		
21/08/88	10:49:00	47.817	2037.22	2.21	200.57		
21/08/88	10:50:00	47.833	2038.99	1.77	200.28		
21/08/88	10:51:00	47.850	2040.28	1.29	200.06		
21/08/88	10:52:00	47.867	2041.39	1.11	199.88		
21/08/88	10:53:00	47.883	2042.28	.89	199.74		
21/08/88	10:54:00	47.900	2042.88	.60	199.62		
21/08/88	10:55:00	47.917	2043.43	.55	199.53		
21/08/88	10:56:00	47.933	2043.89	.46	199.46		
21/08/88	10:57:00	47.950	2044.25	.36	199.39		
21/08/88	10:58:00	47.967	2044.49	.24	199.35		
21/08/88	10:59:00	47.983	2044.69	.21	199.30		
21/08/88	11:00:00	48.000	2044.95	.25	199.26		
21/08/88	11:01:00	48.017	2045.01	.06	199.23		
21/08/88	11:02:00	48.033	2045.12	.12	199.20		
21/08/88	11:03:00	48.050	2045.20	.08	199.17		
21/08/88	11:04:00	48.067	2045.24	.04	199.16		
21/08/88	11:05:00	48.083	2045.32	.08	199.13		
21/08/88	11:06:00	48.100	2045.34	.02	199.11		
21/08/88	11:07:00	48.117	2045.39	.05	199.09		
21/08/88	11:14:00	48.233	1716.30	-329.09	192.28		P.O.H.
21/08/88	11:15:00	48.250	1720.16	3.87	191.08		6th STOP @ 3000'
21/08/88	11:16:00	48.267	1724.02	3.85	190.18		
21/08/88	11:17:00	48.283	1727.10	3.08	189.49		
21/08/88	11:18:00	48.300	1729.50	2.40	188.96		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 21/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: GRAD.

OPERATOR : H.JAMES

COMMENTS: GRADIENT

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
21/08/88	11:19:00	48.317	1731.51	2.02	188.54		
21/08/88	11:20:00	48.333	1732.97	1.45	188.21		
21/08/88	11:21:00	48.350	1734.22	1.25	187.94		
21/08/88	11:22:00	48.367	1735.17	.95	187.72		
21/08/88	11:23:00	48.383	1735.98	.80	187.53		
21/08/88	11:24:00	48.400	1736.57	.59	187.38		
21/08/88	11:25:00	48.417	1737.06	.49	187.25		
21/08/88	11:26:00	48.433	1737.41	.36	187.14		
21/08/88	11:27:00	48.450	1735.58	-1.83	187.04		
21/08/88	11:28:00	48.467	1737.60	2.02	186.95		
21/08/88	11:29:00	48.483	1735.73	-1.87	186.88		
21/08/88	11:30:00	48.500	1735.51	-.22	186.81		
21/08/88	11:31:00	48.517	1737.39	1.87	186.75		
21/08/88	11:32:00	48.533	1738.07	.68	186.71		
21/08/88	11:33:00	48.550	1738.34	.27	186.65		
21/08/88	11:34:00	48.567	1738.25	-.09	186.61		
21/08/88	11:35:00	48.583	1738.67	.43	186.58		
21/08/88	11:36:00	48.600	1738.78	.11	186.53		
21/08/88	11:37:00	48.617	1738.07	-.71	186.50		
21/08/88	11:38:00	48.633	1737.95	-.12	186.47		
21/08/88	11:39:00	48.650	1738.81	.86	186.43		
21/08/88	11:40:00	48.667	1738.94	.13	186.41		
21/08/88	11:41:00	48.683	1739.08	.15	186.38		
21/08/88	11:42:00	48.700	1739.15	.07	186.36		
21/08/88	11:43:00	48.717	1739.12	-.04	186.33		
21/08/88	11:44:00	48.733	1739.21	.10	186.31		
21/08/88	11:45:00	48.750	1739.25	.04	186.29		
21/08/88	11:46:00	48.767	1739.30	.05	186.27		
21/08/88	11:47:00	48.783	1739.31	.00	186.25		
21/08/88	11:48:00	48.800	1739.31	.00	186.23		
21/08/88	11:49:00	48.817	1739.39	.08	186.22		
21/08/88	11:55:00	48.917	1410.80	-328.59	177.92		P.O.H. 7th STOP @ 2000'
21/08/88	11:56:00	48.933	1411.80	1.00	175.82		
21/08/88	11:57:00	48.950	1414.95	3.15	174.25		
21/08/88	11:58:00	48.967	1418.45	3.50	173.03		
21/08/88	11:59:00	48.983	1420.75	2.30	172.09		
21/08/88	12:00:00	49.000	1423.44	2.69	171.35		
21/08/88	12:01:00	49.017	1424.89	1.45	170.76		
21/08/88	12:02:00	49.033	1426.23	1.34	170.28		
21/08/88	12:03:00	49.050	1427.45	1.22	169.89		
21/08/88	12:04:00	49.067	1427.73	.28	169.56		
21/08/88	12:05:00	49.083	1428.83	1.10	169.30		
21/08/88	12:06:00	49.100	1429.17	.34	169.08		
21/08/88	12:07:00	49.117	1429.89	.72	168.89		
21/08/88	12:08:00	49.133	1428.98	-.92	168.73		
21/08/88	12:09:00	49.150	1430.37	1.39	168.60		
21/08/88	12:10:00	49.167	1430.69	.32	168.48		
21/08/88	12:11:00	49.183	1429.84	-.84	168.38		
21/08/88	12:12:00	49.200	1430.36	.52	168.30		
21/08/88	12:13:00	49.217	1431.30	.94	168.23		
21/08/88	12:14:00	49.233	1431.63	.33	168.17		

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EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 21/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: GRAD.

OPERATOR : H.JAMES

COMMENTS: GRADIENT

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
21/08/88	12:15:00	49.250	1432.37	.74	168.12		
21/08/88	12:16:00	49.267	1433.06	.69	168.07		
21/08/88	12:17:00	49.283	1433.37	.31	168.05		
21/08/88	12:18:00	49.300	1433.54	.18	168.02		
21/08/88	12:19:00	49.317	1433.72	.17	168.01		
21/08/88	12:20:00	49.333	1433.88	.17	167.99		
21/08/88	12:21:00	49.350	1434.06	.17	167.99		
21/08/88	12:22:00	49.367	1434.12	.07	167.99		
21/08/88	12:23:00	49.383	1434.21	.09	167.99		
21/08/88	12:24:00	49.400	1434.23	.02	167.99		
21/08/88	12:25:00	49.417	1434.27	.05	168.01		
21/08/88	12:26:00	49.433	1432.97	-1.31	168.02		
21/08/88	12:27:00	49.450	1433.60	.63	168.03		
21/08/88	12:28:00	49.467	1433.13	-.46	168.05		
21/08/88	12:29:00	49.483	1433.83	.70	168.07		
21/08/88	12:30:00	49.500	1432.77	-1.07	168.09		P.O.H.
21/08/88	12:37:00	49.617	1118.28	-314.48	159.07		8th STOP @ 1000'
21/08/88	12:38:00	49.633	1118.81	.53	156.60		
21/08/88	12:39:00	49.650	1120.25	1.43	154.75		
21/08/88	12:40:00	49.667	1119.85	-.40	153.34		
21/08/88	12:41:00	49.683	1121.87	2.03	152.23		
21/08/88	12:42:00	49.700	1121.19	-.68	151.39		
21/08/88	12:43:00	49.717	1121.34	.15	150.71		
21/08/88	12:44:00	49.733	1121.63	.29	150.18		
21/08/88	12:45:00	49.750	1122.48	.85	149.74		
21/08/88	12:46:00	49.767	1123.19	.71	149.39		
21/08/88	12:47:00	49.783	1121.38	-1.81	149.11		
21/08/88	12:48:00	49.800	1122.80	1.42	148.87		
21/08/88	12:49:00	49.817	1123.14	.33	148.68		
21/08/88	12:50:00	49.833	1123.00	-.13	148.53		
21/08/88	12:51:00	49.850	1121.45	-1.55	148.40		
21/08/88	12:52:00	49.867	1121.31	-.14	148.30		
21/08/88	12:53:00	49.883	1122.55	1.24	148.21		
21/08/88	12:54:00	49.900	1120.61	-1.94	148.13		
21/08/88	12:55:00	49.917	1122.49	1.88	148.07		
21/08/88	12:56:00	49.933	1122.08	-.41	148.01		
21/08/88	12:57:00	49.950	1121.93	-.15	147.97		
21/08/88	12:58:00	49.967	1120.95	-.98	147.93		
21/08/88	12:59:00	49.983	1120.70	-.25	147.90		
21/08/88	13:00:00	50.000	1121.34	.64	147.88		
21/08/88	13:01:00	50.017	1122.44	1.11	147.86		
21/08/88	13:02:00	50.033	1123.02	.58	147.84		
21/08/88	13:03:00	50.050	1122.21	-.81	147.83		
21/08/88	13:04:00	50.067	1122.65	.44	147.81		
21/08/88	13:05:00	50.083	1123.13	.48	147.81		
21/08/88	13:06:00	50.100	1123.33	.20	147.80		P.O.H.
21/08/88	13:17:00	50.283	912.06	-211.28	113.35		AT SURFACE. HANG
21/08/88	13:18:00	50.300	910.39	-1.66	107.90		IN LUBRICATOR
21/08/88	13:19:00	50.317	905.61	-4.78	103.29		
21/08/88	13:20:00	50.333	900.77	-4.85	99.37		
21/08/88	13:21:00	50.350	895.48	-5.29	96.02		

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EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 21/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T/P.B.U

GAUGE 2 S/N: 0

FORMATION: POOLAWANNA

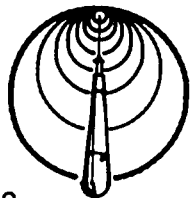
PERFORATIONS: 5912'-5934'KB

GAUGE DEPTH: GRAD.

OPERATOR : H.JAMES

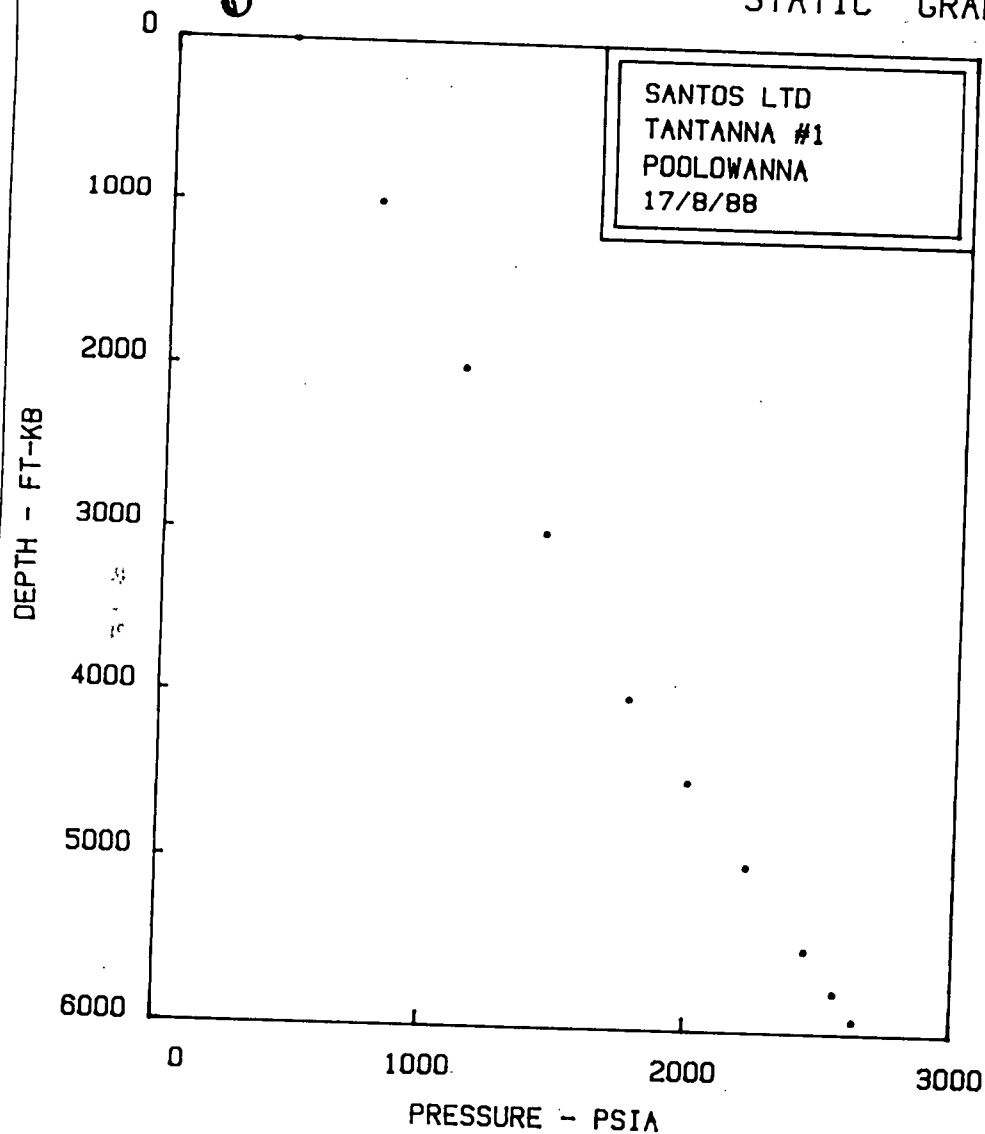
COMMENTS: GRADIENT

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
21/08/88	13:22:00	50.367	886.33	-9.15	93.23		
21/08/88	13:23:00	50.383	879.59	-6.74	90.85		
21/08/88	13:24:00	50.400	871.37	-8.22	88.83		
21/08/88	13:25:00	50.417	866.69	-4.68	87.10		
21/08/88	13:26:00	50.433	861.44	-5.25	85.59		
21/08/88	13:27:00	50.450	856.82	-4.62	84.28		
21/08/88	13:28:00	50.467	852.34	-4.49	83.12		
21/08/88	13:29:00	50.483	848.15	-4.18	82.10		
21/08/88	13:30:00	50.500	844.91	-3.24	81.20		
21/08/88	13:31:00	50.517	841.77	-3.14	80.37		
21/08/88	13:32:00	50.533	839.23	-2.54	79.63		
21/08/88	13:33:00	50.550	836.82	-2.42	78.96		
21/08/88	13:34:00	50.567	834.54	-2.28	78.35		
21/08/88	13:35:00	50.583	833.31	-1.22	77.79		
21/08/88	13:36:00	50.600	831.94	-1.37	77.26		
21/08/88	13:37:00	50.617	830.67	-1.26	76.77		
21/08/88	13:38:00	50.633	829.79	-.89	76.31		
21/08/88	13:39:00	50.650	828.59	-1.20	75.87		
21/08/88	13:40:00	50.667	827.60	-.99	75.47		
21/08/88	13:41:00	50.683	826.72	-.88	75.08		
21/08/88	13:42:00	50.700	825.95	-.77	74.69		
21/08/88	13:43:00	50.717	825.53	-.43	74.35		
21/08/88	13:44:00	50.733	824.87	-.66	74.04		
21/08/88	13:45:00	50.750	824.08	-.79	73.72		
21/08/88	13:46:00	50.767	823.64	-.44	73.45		
21/08/88	13:47:00	50.783	823.19	-.45	73.17		
21/08/88	13:48:00	50.800	822.61	-.58	72.91		
21/08/88	13:49:00	50.817	822.22	-.38	72.67		
21/08/88	13:50:00	50.833	821.66	-.56	72.45	809	END POOLOWANNA TEST



EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

STATIC GRADIENT SURVEY

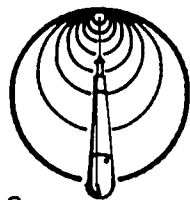


STOP	TIME	DEPTH ('KB)	PRESSURE (PSIA)	GRADIENT (PSI/FT)
1	1515	LUB.	444.06	-----
2	1610	1000	783.33	0.3393
3	1640	2000	1116.10	0.3328
4	1710	3000	1436.92	0.3208
5	1740	4000	1763.96	0.3270
6	1808	4500	1992.21	0.4565
7	1834	5000	2220.08	0.4557
8	1903	5500	2447.38	0.4546
9	1931	5750	2559.88	0.4500
10	2008	5920	2634.70	0.4401

GRADIENT #1

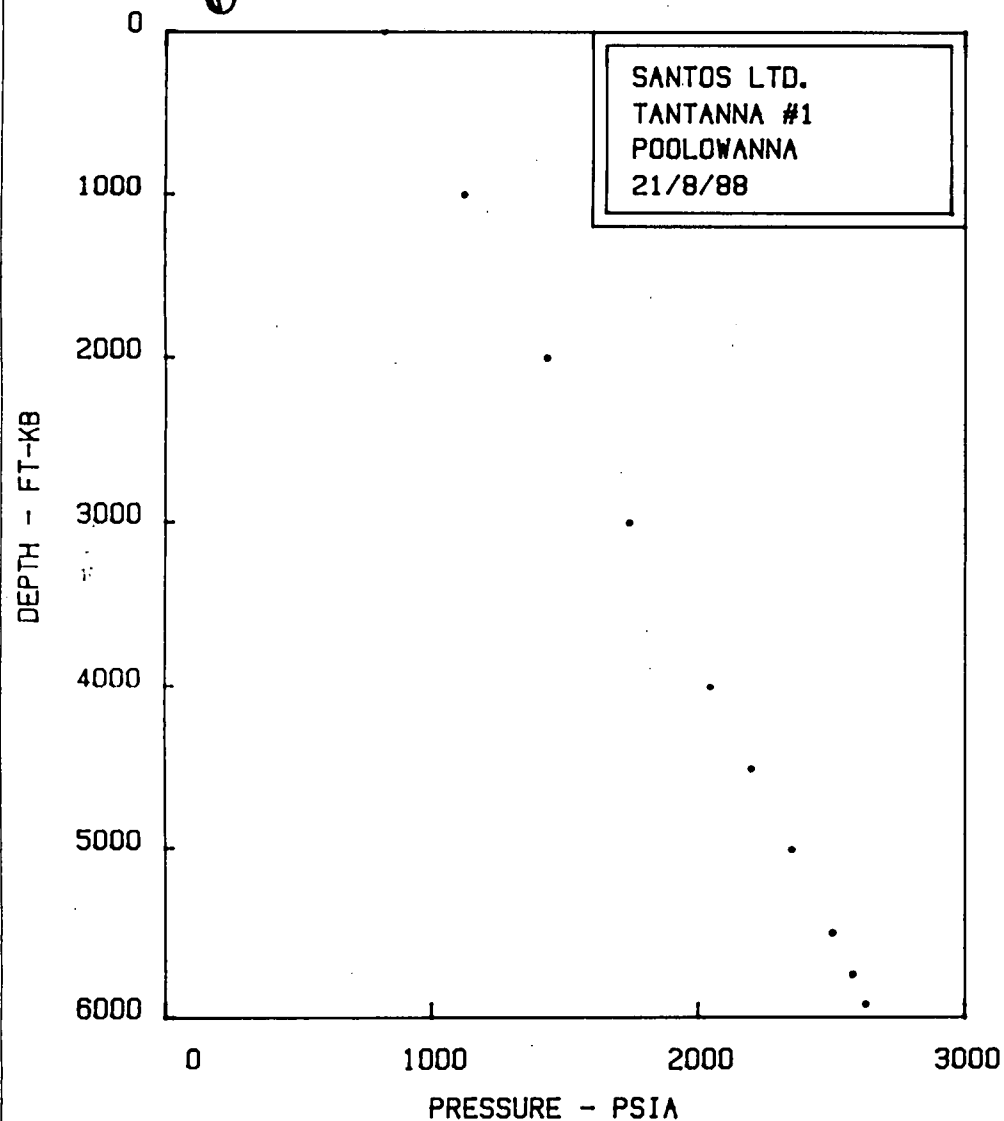
DWT IN -
430 PSI (2965 KPA)
GAUGE IN -
444 PSIA (3081 KPA)

00032



EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

STATIC GRADIENT SURVEY

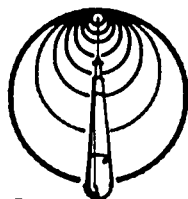


STOP	TIME	DEPTH (FT-KB)	PRESSURE (PSIA)	GRADIENT (PSI/FT)
1	830	5920	2829.50	----
2	902	5750	2580.06	0.2908
3	930	5500	2503.63	0.3057
4	1004	5000	2350.61	0.3060
5	1042	4500	2199.17	0.3029
6	1107	4000	2045.39	0.3076
7	1149	3000	1739.39	0.3060
8	1230	2000	1432.77	0.3066
9	1306	1000	1123.33	0.3094
10	1350	LUB.	821.66	0.3017

GRADIENT #2 FOLLOWING BUILD UP

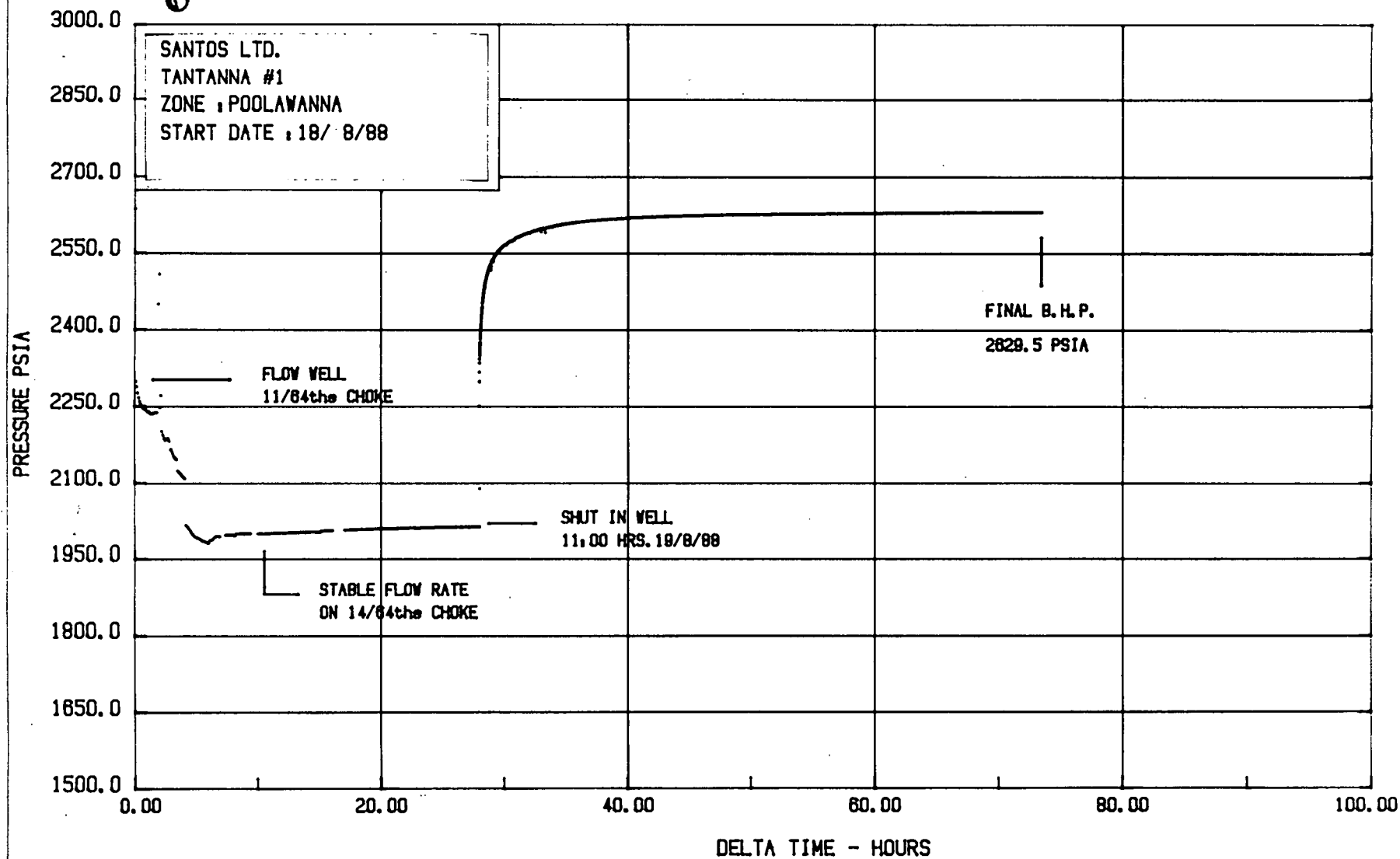
DWT OUT =
809 PSI (5578 KPA)
GAUGE OUT =
821.66 PSIA (5665 KPA)

00033

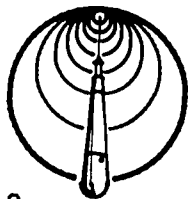


EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

LINEAR PLOT

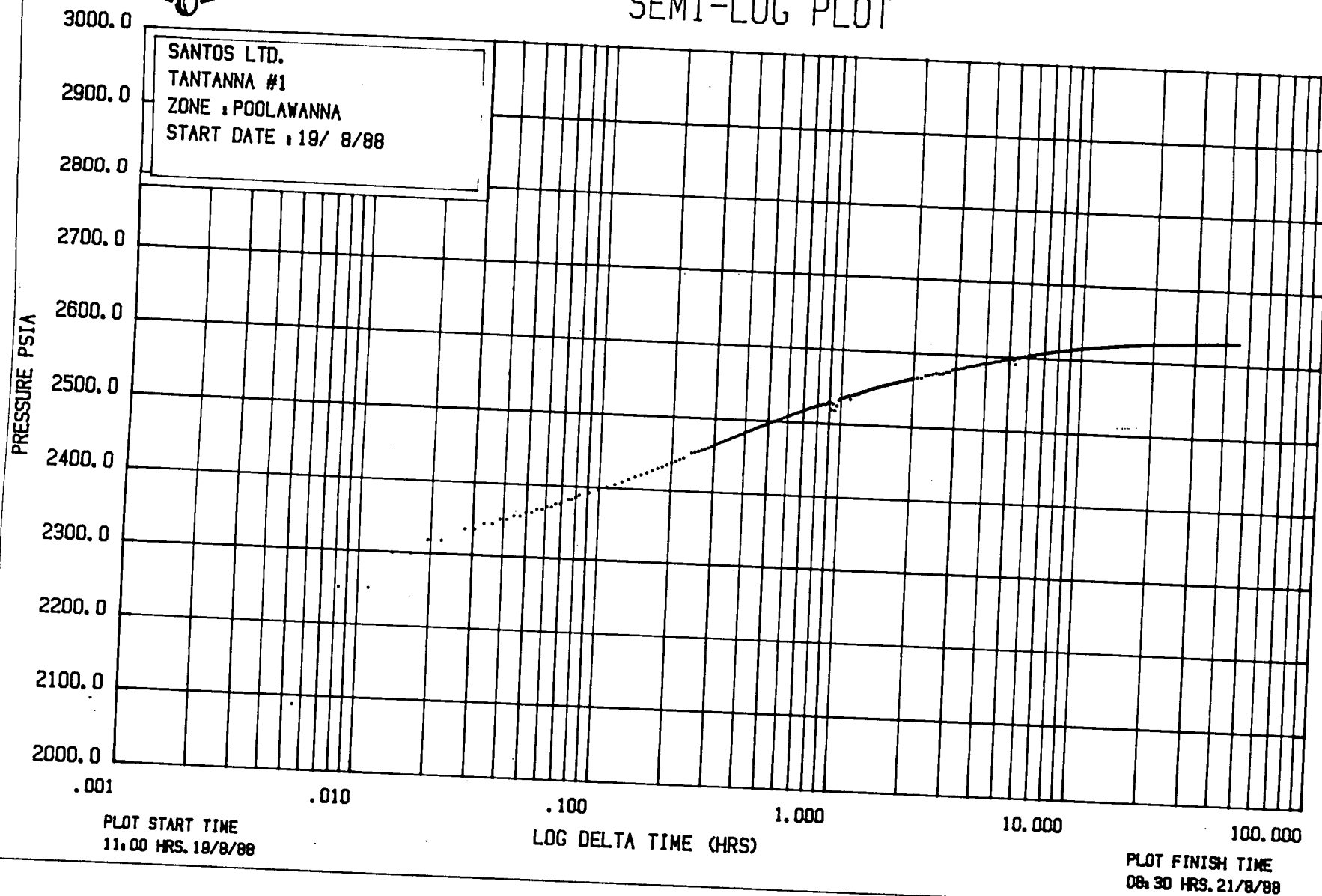


00034

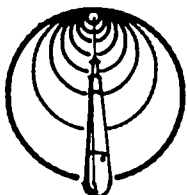


EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

SEMI-LOG PLOT



00035



EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

LOG-LOG PLOT

1000.000

SANTOS LTD.
TANTANNA #1
ZONE : POOLAWANNA
START DATE : 19/ 8/88

LOG DELTA P

100.000

10.000

.001

.010

.100

1.000

10.000

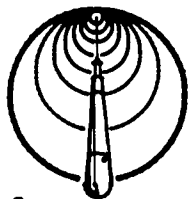
100.000

LOG DELTA TIME (HRS)

PLOT START TIME
11:00 HRS. 18/8/88

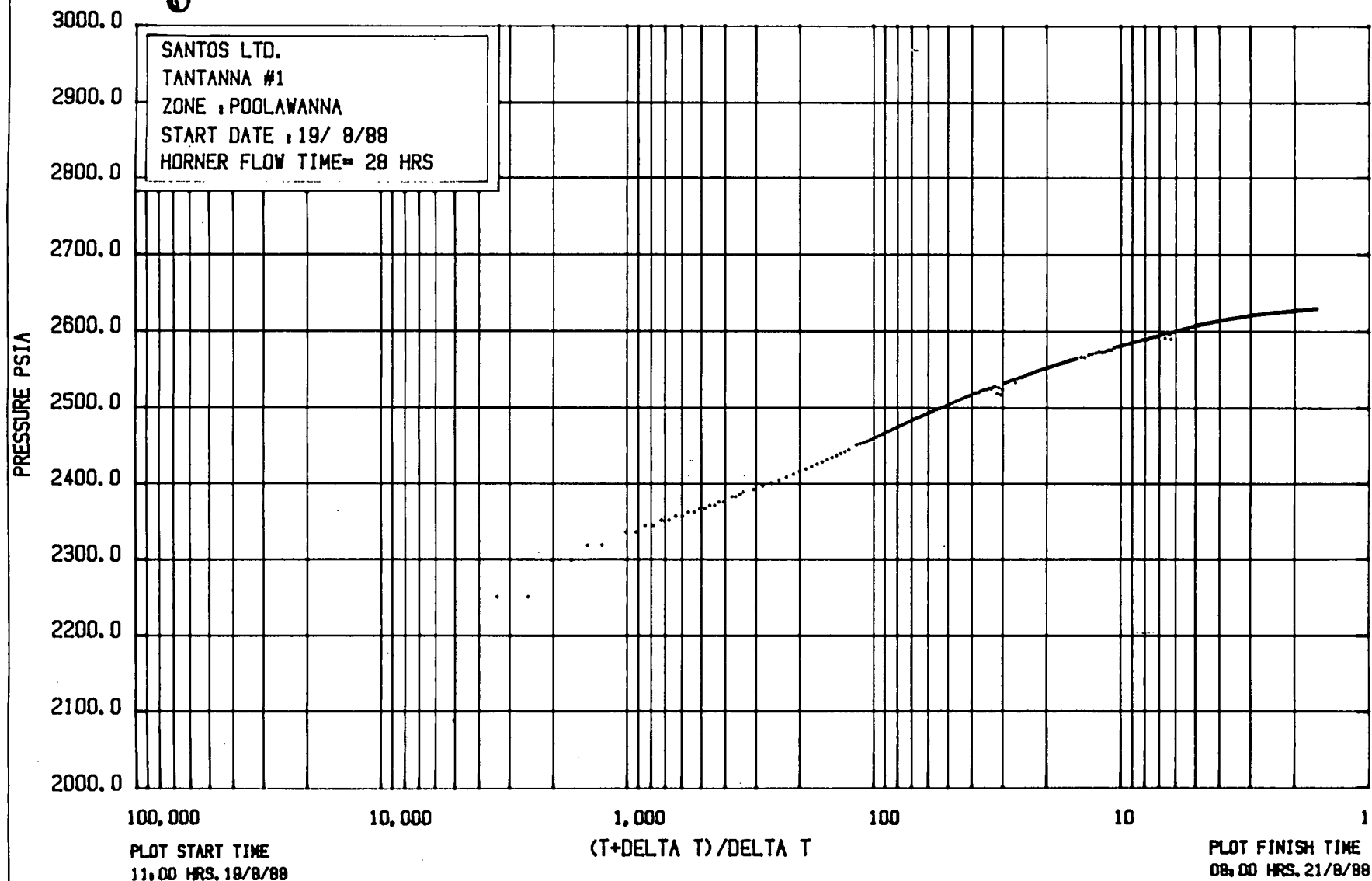
PLOT FINISH TIME
08:30 HRS. 21/8/88

00036



EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

HORNER PLOT



00037

CLIENT SANTOS LTD.			 128 RICHMOND ROAD MARENGON SA 5033 TELEPHONE 825 254 0465 TELEX 4467123										WELL TANTANNA #1 POOLOWANNA		
TANK:— CAPACITY			DATE 18-19/8/88 PAGE No 1										OPERATOR H. JAMES		
SCALE															

DATE	ELAPSED TIME	TIME	OIL/CONDENSATE PRODUCTION						WATER PRODUCTION						REMARKS	
			METER READG	TANK DIP	TANK PROD.	FLOWRATE	CUM. PROD.	OIL CONDENSATE GRAVITY *AP180F*	METER READG	TANK DIP	TANK PROD.	FLOWRATE	CUM. PROD.	SALINITY PPM		
			CHOKE	M3	M3	M3/d				M3	M3	M3/d		Total Product	Total Flowrate	BSW
18th. AUGUST 1988																
0800	1		11/64	1.6	1.6	38.4	1.6	47.5		0						
0900	2		"	3.3	1.7	40.8	3.3	-		0						
1000	3		13/64	4.8	1.5	36.0	4.8	52.0		0.8	0.8	19.2	0.8	5.6	55.2	1.6
1100	4		"	7.0	2.2	52.8	7.0	55.4		1.2	0.4	9.6	1.2	8.2	62.4	1.4
1300	6		15/64	14.2	7.2	86.4	14.2	56.0		1.5	0.3	3.6	1.5	15.7	90.0	1.3
1500	8		14/64	21.4	7.2	86.4	21.4	55.7		1.6	0.1	1.2	1.6	23.0	87.6	0.5
1700	10		"	28.7	7.3	87.6	28.7	55.7		1.7	0.1	1.2	1.7	30.4	88.8	0.2
1900	12		"	36.55	7.85	94.2	36.55	N/A		1.7	0	0	1.7	38.25	94.2	0.2
2100	14		"	43.90	7.35	88.2	43.90	56.3		1.7	0	0	1.7	45.6	88.2	0.3
2300	16		"	51.9	8.00	96.0	51.90	56.3		1.7	0	0	1.7	53.6	96.0	0.2
19th. AUGUST 1988																
0100	18		"	59.0	7.1	85.2	59.0	56.6		1.7	0	0	1.7	60.7	85.2	0.2
0300	20		"	67.1	7.1	85.2	67.1	56.1		1.7	0	0	1.7	68.8	85.2	0
0500	22		"	74.7	7.6	91.2	74.7	56.1		1.7	0	0	1.7	76.4	91.2	0
0700	24		"	83.2	8.5	102.0	83.2	56.2		1.7	0	0	1.7	84.9	102.0	Sand 0.2
0900	26		"	90.8	7.6	91.2	90.8	56.0		1.7	0	0	1.7	92.5	91.2	Sand 0.2
1100	28		"	96.5	5.7	68.4	96.5	56.5		1.7	0	0	1.7	98.2	68.4	Sand 0.2
END OF FLOW — COMMENCE BUILD UP.																

E3

00038

TANTANNA #1 UPPER (NAMUR)
SUMMARY OF SINGLE RATE TEST & BUILD-UP SURVEY
21ST - 24TH AUGUST 1988

Single Rate Test

21st - 23rd August

21/8/88: Opened well on 11/64" choke @ 1900 hours.

22/8/88: Cut choke to 10/64" @ 0505 hours.

Flowed well on 10/64" for 26.92 hours.

F.T.H.P. (Final)	=	3868	kPa
Oil Production	=	80.448	m ³ /d
Water Production	=	NIL	m ³ /d
Flowing Bottomhole Pressure (@ 4500' KB)	=	13372	kPa
Flowing Bottomhole Temperature	=	93°	C

Build-Up Survey

23rd - 24th August

23/8/88: Shut well in @ 0800 for 24 hours build-up.

Pressure @ 4500' KB after 24 hours build-up = 13916 kPa.

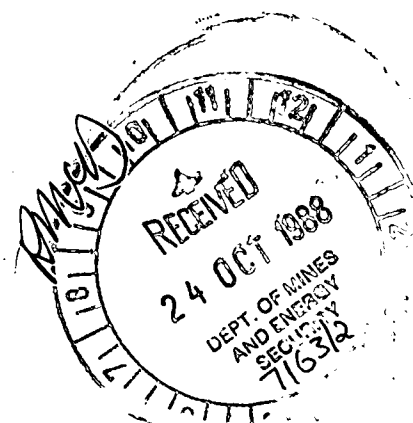
Shut in bottomhole temperature = 93° C.

Static Reservoir Pressure

Mid Point of Perforations = 4451' KB

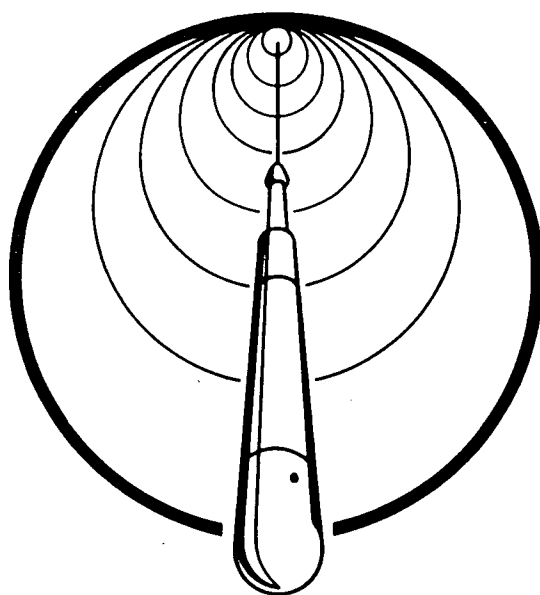
24/8/88: Ran static pressure gradient as pulling out of hole.

Pressure extrapolated to MPP = 13812 kPa.



EXPERTEST

ELECTRIC WIRELINE
SERVICE



Electronic BHP/BHT Survey

Customer: .. SANTOS LTD.
Location: .. TANTANNA #1
Formation: .. NAMUR
Date: 21st to 24th AUGUST 1988

ELECTRIC WIRELINE SERVICES

CUSTOMER: **SANTOS LTD.**

LOCATION: TANTANNA #1

FORMATION: NAMUR

DATE: 21st to 24th AUGUST 1988

[illegible]

00043

PAGE 1

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 21/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: SRT / PBU

GAUGE 2 S/N: 0

FORMATION: NAMUR

PERFORATIONS: 4488'-4464'KB

GAUGE DEPTH: 4500'KB

OPERATOR : H.JAMES

COMMENTS: WELL FLOWING

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
21/08/88	18:14:00	2.738	652.21	0.00	67.53	637	START SURVEY
21/08/88	18:15:00	0.000	2044.50	1392.29	201.01	637	RUN IN HOLE
21/08/88	18:20:00	.083	2039.53	-4.97	201.89		HANG OFF AT 4500'KB
21/08/88	18:25:00	.167	2037.77	-1.77	202.28		MONITOR B.H.P.
21/08/88	18:30:00	.250	2037.16	-.61	202.50		
21/08/88	18:35:00	.333	2037.10	-.05	202.63		5 MIN SAMPLE RATE
21/08/88	18:40:00	.417	2036.92	-.18	202.73		
21/08/88	18:45:00	.500	2037.10	.18	202.79		
21/08/88	18:50:00	.583	2037.50	.39	202.85		
21/08/88	18:55:00	.667	2037.69	.19	202.90		
21/08/88	19:00:00	0.000	2037.90	.21	202.94	550	FLOW WELL
21/08/88	19:05:00	.083	1944.82	-93.08	202.92		11/64ths CHOKE
21/08/88	19:10:00	.167	1941.77	-3.05	202.91		
21/08/88	19:15:00	.250	1941.34	-.43	202.92		
21/08/88	19:20:00	.333	1941.40	.06	202.91		
21/08/88	19:25:00	.417	1941.46	.07	202.89		
21/08/88	19:30:00	.500	1941.58	.12	202.88		
21/08/88	19:35:00	.583	1941.61	.03	202.86		
21/08/88	19:40:00	.667	1941.68	.07	202.84		
21/08/88	19:45:00	.750	1941.69	.01	202.82		
21/08/88	19:50:00	.833	1941.69	.00	202.80		
21/08/88	19:55:00	.917	1941.70	.01	202.79		
21/08/88	20:00:00	1.000	1941.60	-.10	202.78		
21/08/88	20:05:00	1.083	1941.77	.16	202.77		
21/08/88	20:10:00	1.167	1941.74	-.03	202.78		
21/08/88	20:15:00	1.250	1941.68	-.06	202.78		
21/08/88	20:20:00	1.333	1941.66	-.02	202.78		
21/08/88	20:25:00	1.417	1941.61	-.05	202.78		
21/08/88	20:30:00	1.500	1941.59	-.03	202.77		
21/08/88	20:35:00	1.583	1941.60	.01	202.78		
21/08/88	20:40:00	1.667	1941.46	-.14	202.78		
21/08/88	20:45:00	1.750	1941.44	-.02	202.79		
21/08/88	20:50:00	1.833	1941.29	-.15	202.79		
21/08/88	20:55:00	1.917	1941.17	-.12	202.80		
21/08/88	21:00:00	2.000	1940.95	-.22	202.80	551	(3799 KPA)
21/08/88	21:05:00	2.083	1940.64	-.31	202.82		
21/08/88	21:10:00	2.167	1940.35	-.29	202.86		
21/08/88	21:15:00	2.250	1940.12	-.22	202.91		
21/08/88	21:20:00	2.333	1939.66	-.46	203.00		
21/08/88	21:25:00	2.417	1939.42	-.25	203.09		
21/08/88	21:30:00	2.500	1939.07	-.35	203.17		
21/08/88	21:35:00	2.583	1938.78	-.28	203.26		
21/08/88	21:40:00	2.667	1938.37	-.42	203.27		
21/08/88	21:45:00	2.750	1937.95	-.42	203.17		
21/08/88	21:50:00	2.833	1937.47	-.48	203.06		
21/08/88	21:55:00	2.917	1937.17	-.31	203.00		
21/08/88	22:00:00	3.000	1936.91	-.26	202.96		
21/08/88	22:05:00	3.083	1936.77	-.14	202.95		
21/08/88	22:10:00	3.167	1936.29	-.47	202.93		
21/08/88	22:15:00	3.250	1936.05	-.24	202.94		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 21/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: SRT / PBU

GAUGE 2 S/N: 0

FORMATION: NAMUR

PERFORATIONS: 4488'-4464'KB

GAUGE DEPTH: 4500'KB

OPERATOR : H.JAMES

COMMENTS: WELL FLOWING

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
21/08/88	22:20:00	3.333	1935.60	-.45	202.93		
21/08/88	22:25:00	3.417	1935.33	-.27	202.91		
21/08/88	22:30:00	3.500	1935.42	.09	202.91		
21/08/88	22:35:00	3.583	1935.35	-.07	202.93		
21/08/88	22:40:00	3.667	1935.33	-.02	202.94		
21/08/88	22:45:00	3.750	1935.39	.06	202.94		
21/08/88	22:50:00	3.833	1935.35	-.04	202.92		
21/08/88	22:55:00	3.917	1935.36	.01	202.90		
21/08/88	23:00:00	4.000	1935.42	.06	202.91	545	(3765 KPA)
21/08/88	23:05:00	4.083	1935.45	.03	202.90		
21/08/88	23:10:00	4.167	1935.52	.07	202.89		
21/08/88	23:15:00	4.250	1935.55	.03	202.87		
21/08/88	23:20:00	4.333	1935.61	.07	202.87		
21/08/88	23:25:00	4.417	1935.61	-.00	202.88		
21/08/88	23:30:00	4.500	1935.69	.08	202.88		
21/08/88	23:35:00	4.583	1935.94	.25	202.88		
21/08/88	23:40:00	4.667	1935.98	.04	202.88		
21/08/88	23:45:00	4.750	1936.06	.09	202.89		
21/08/88	23:50:00	4.833	1935.89	-.17	202.90		
21/08/88	23:55:00	4.917	1935.82	-.07	202.89		
22/08/88	00:00:00	5.000	1935.80	-.02	202.88		
22/08/88	00:05:00	5.083	1935.97	.16	202.88		
22/08/88	00:10:00	5.167	1935.92	-.05	202.88		
22/08/88	00:15:00	5.250	1936.07	.14	202.87		
22/08/88	00:20:00	5.333	1936.14	.08	202.87		
22/08/88	00:25:00	5.417	1936.16	.02	202.88		
22/08/88	00:30:00	5.500	1936.15	-.01	202.88		
22/08/88	00:35:00	5.583	1936.20	.05	202.88		
22/08/88	00:40:00	5.667	1936.37	.17	202.88		
22/08/88	00:45:00	5.750	1936.39	.02	202.89		
22/08/88	00:50:00	5.833	1936.48	.09	202.89		
22/08/88	00:55:00	5.917	1936.54	.06	202.87		
22/08/88	01:00:00	6.000	1936.52	-.02	202.86	547	(3772 KPA)
22/08/88	01:05:00	6.083	1936.51	-.01	202.86		
22/08/88	01:10:00	6.167	1936.63	.12	202.86		
22/08/88	01:15:00	6.250	1936.64	.02	202.87		
22/08/88	01:20:00	6.333	1936.66	.02	202.89		
22/08/88	01:25:00	6.417	1936.60	-.07	202.88		
22/08/88	01:30:00	6.500	1936.66	.07	202.89		
22/08/88	01:35:00	6.583	1936.70	.04	202.89		
22/08/88	01:40:00	6.667	1936.68	-.02	202.89		
22/08/88	01:45:00	6.750	1936.72	.04	202.88		
22/08/88	02:10:00	7.167	1936.77	.05	202.89		
22/08/88	02:15:00	7.250	1936.79	.02	202.88		
22/08/88	02:20:00	7.333	1936.81	.02	202.88		
22/08/88	02:25:00	7.417	1936.76	-.05	202.87		
22/08/88	02:30:00	7.500	1936.75	-.01	202.87		
22/08/88	02:35:00	7.583	1936.78	.03	202.98		
22/08/88	02:40:00	7.667	1936.68	-.10	202.89		
22/08/88	02:45:00	7.750	1936.63	-.05	202.89		
22/08/88	02:50:00	7.833	1936.65	.02	202.89		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 22/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: SRT / PBU

GAUGE 2 S/N: 0

FORMATION: NAMUR

PERFORATIONS: 4488'-4464'KB

GAUGE DEPTH: 4500'KB

OPERATOR : H.JAMES

COMMENTS: WELL FLOWING

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
22/08/88	02:55:00	7.917	1936.70	.05	202.89		
22/08/88	03:00:00	8.000	1936.75	.05	202.89	548	(3778 KPA)
22/08/88	03:05:00	8.083	1936.63	-.12	202.88		
22/08/88	03:10:00	8.167	1936.62	-.01	202.88		
22/08/88	03:15:00	8.250	1936.73	.11	202.90		
22/08/88	03:20:00	8.333	1936.54	-.19	202.89		
22/08/88	03:25:00	8.417	1936.52	-.02	202.90		
22/08/88	03:30:00	8.500	1936.62	.11	202.90		
22/08/88	03:35:00	8.583	1936.44	-.18	202.89		
22/08/88	03:40:00	8.667	1936.64	.20	202.91		
22/08/88	03:45:00	8.750	1936.67	.03	202.92		
22/08/88	03:50:00	8.833	1936.73	.06	202.94		
22/08/88	03:55:00	8.917	1936.65	-.08	202.94		
22/08/88	04:00:00	9.000	1936.68	.03	202.94		
22/08/88	04:05:00	9.083	1936.65	-.03	202.94		
22/08/88	04:10:00	9.167	1936.57	-.08	202.93		
22/08/88	04:15:00	9.250	1935.90	-.67	202.93		
22/08/88	04:20:00	9.333	1935.87	-.03	202.95		
22/08/88	04:25:00	9.417	1935.84	-.03	202.98		
22/08/88	04:30:00	9.500	1935.81	-.03	202.99		
22/08/88	04:35:00	9.583	1935.78	-.03	203.01		
22/08/88	04:40:00	9.667	1935.72	-.06	203.04		
22/08/88	04:45:00	9.750	1935.69	-.03	203.02		
22/08/88	04:50:00	9.833	1935.77	.08	202.99		
22/08/88	04:55:00	9.917	1935.83	.06	202.98		
22/08/88	05:00:00	10.000	1935.75	-.08	203.00	547	(3772 KPA)
22/08/88	05:05:00	10.083	1935.81	.06	203.00		CHANGE TO 10/64ths
22/08/88	05:10:00	10.167	1935.87	.06	203.00		
22/08/88	05:15:00	10.250	1935.92	.06	202.99		
22/08/88	05:20:00	10.333	1936.00	.08	202.98		
22/08/88	05:25:00	10.417	1935.96	-.04	202.99		
22/08/88	05:30:00	10.500	1935.92	-.04	203.00		
22/08/88	05:35:00	10.583	1935.90	-.02	202.99		
22/08/88	05:40:00	10.667	1935.91	.01	202.99		
22/08/88	05:45:00	10.750	1935.92	.00	202.98		
22/08/88	05:50:00	10.833	1935.91	-.01	202.97		
22/08/88	05:55:00	10.917	1935.95	.05	202.97		
22/08/88	06:00:00	11.000	1935.92	-.04	202.95		
22/08/88	06:05:00	11.083	1948.06	12.14	202.94		
22/08/88	06:10:00	11.167	1949.03	.97	202.95		
22/08/88	06:15:00	11.250	1949.62	.59	202.95		
22/08/88	06:20:00	11.333	1950.09	.47	202.94		
22/08/88	06:25:00	11.417	1950.38	.29	202.96		
22/08/88	06:30:00	11.500	1950.60	.22	202.96		
22/08/88	06:35:00	11.583	1950.89	.29	202.96		
22/08/88	06:40:00	11.667	1951.14	.25	202.97		
22/08/88	06:45:00	11.750	1951.35	.21	202.99		
22/08/88	06:50:00	11.833	1951.45	.10	202.99		
22/08/88	06:55:00	11.917	1951.51	.06	202.98		
22/08/88	07:00:00	12.000	1951.30	-.20	202.97	563	(3882 KPA)
22/08/88	07:05:00	12.083	1951.38	.08	202.94		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 22/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: SRT / PBU

GAUGE 2 S/N: 0

FORMATION: NAMUR

PERFORATIONS: 4488'-4464'KB

GAUGE DEPTH: 4500'KB

OPERATOR : H.JAMES

COMMENTS: WELL FLOWING

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
22/08/88	07:10:00	12.167	1951.45	.07	202.92		
22/08/88	07:15:00	12.250	1951.57	.12	202.92		
22/08/88	07:20:00	12.333	1951.66	.10	202.92		
22/08/88	07:25:00	12.417	1951.77	.11	202.92		
22/08/88	07:30:00	12.500	1951.91	.14	202.94		
22/08/88	07:35:00	12.583	1952.02	.11	202.96		
22/08/88	07:40:00	12.667	1952.13	.12	202.97		
22/08/88	07:45:00	12.750	1952.20	.07	202.96		
22/08/88	07:50:00	12.833	1952.32	.12	202.97		
22/08/88	07:55:00	12.917	1952.36	.05	202.97		
22/08/88	08:00:00	13.000	1952.36	-.01	202.96		
22/08/88	08:05:00	13.083	1952.40	.05	202.95		
22/08/88	08:10:00	13.167	1952.39	-.02	202.94		
22/08/88	08:15:00	13.250	1952.50	.12	202.92		
22/08/88	08:20:00	13.333	1952.51	.01	202.93		
22/08/88	08:25:00	13.417	1952.52	.01	202.91		
22/08/88	08:30:00	13.500	1952.58	.06	202.91		
22/08/88	08:35:00	13.583	1952.67	.09	202.92		
22/08/88	08:40:00	13.667	1952.74	.08	202.94		
22/08/88	08:45:00	13.750	1952.70	-.04	202.95		
22/08/88	08:50:00	13.833	1952.78	.08	202.96		
22/08/88	08:55:00	13.917	1952.83	.05	202.95		
22/08/88	09:00:00	14.000	1952.51	-.32	202.95	565	(3896 KPA)
22/08/88	09:05:00	14.083	1952.41	-.10	202.95		
22/08/88	09:10:00	14.167	1952.29	-.12	202.92		
22/08/88	09:15:00	14.250	1952.24	-.05	202.86		
22/08/88	09:20:00	14.333	1952.27	.03	202.78		
22/08/88	09:25:00	14.417	1952.19	-.08	202.68		
22/08/88	09:30:00	14.500	1952.17	-.01	202.58		
22/08/88	09:35:00	14.583	1952.24	.07	202.50		
22/08/88	09:40:00	14.667	1952.35	.10	202.41		
22/08/88	09:45:00	14.750	1952.46	.11	202.34		
22/08/88	09:50:00	14.833	1952.39	-.06	202.25		
22/08/88	09:55:00	14.917	1952.36	-.03	202.19		
22/08/88	10:00:00	15.000	1952.34	-.02	202.11		
22/08/88	10:05:00	15.083	1952.32	-.02	202.03		
22/08/88	10:10:00	15.167	1952.30	-.02	201.96		
22/08/88	10:15:00	15.250	1952.35	.04	201.89		
22/08/88	10:20:00	15.333	1952.50	.16	201.83		
22/08/88	10:25:00	15.417	1952.47	-.04	201.77		
22/08/88	10:30:00	15.500	1952.54	.07	201.72		
22/08/88	10:35:00	15.583	1952.56	.02	201.67		
22/08/88	10:40:00	15.667	1952.65	.09	201.63		
22/08/88	10:45:00	15.750	1952.77	.12	201.59		
22/08/88	10:50:00	15.833	1952.80	.03	201.56		
22/08/88	10:55:00	15.917	1952.58	-.22	201.53		
22/08/88	11:00:00	16.000	1952.65	.07	201.50	562	(3875 KPA)
22/08/88	11:05:00	16.083	1952.73	.08	201.47		
22/08/88	11:10:00	16.167	1952.70	-.03	201.45		
22/08/88	11:15:00	16.250	1952.68	-.02	201.42		
22/08/88	11:20:00	16.333	1952.59	-.09	201.38		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD. DATE: 22/08/88 GAUGE 1 S/N: 599
 LOCATION : TANTANNA #1 TEST: SRT / PBU GAUGE 2 S/N: 0
 FORMATION: NAMUR PERFORATIONS: 4488'-4464'KB GAUGE DEPTH: 4500'KB
 OPERATOR : H.JAMES COMMENTS: WELL FLOWING 10/64ths C

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (*F)	SURFACE (PSIG)	REMARKS
22/08/88	11:25:00	16.417	1952.65	0.00	201.36		
22/08/88	11:30:00	16.500	1952.73	.09	201.34		
22/08/88	11:35:00	16.583	1952.78	.05	201.30		
22/08/88	11:40:00	16.667	1952.82	.04	201.28		
22/08/88	11:45:00	16.750	1952.79	-.04	201.27		
22/08/88	11:50:00	16.833	1952.62	-.16	201.25		
22/08/88	11:55:00	16.917	1952.69	.07	201.22		
22/08/88	12:00:00	17.000	1952.68	-.01	201.19		
22/08/88	12:05:00	17.083	1952.74	.06	201.16		
22/08/88	12:10:00	17.167	1952.76	.02	201.14		
22/08/88	12:15:00	17.250	1952.68	-.09	201.12		
22/08/88	12:20:00	17.333	1952.80	.13	201.11		
22/08/88	12:25:00	17.417	1952.72	-.09	201.09		
22/08/88	12:30:00	17.500	1952.86	.15	201.08		
22/08/88	12:35:00	17.583	1952.85	-.02	201.06		
22/08/88	12:40:00	17.667	1952.89	.05	201.04		
22/08/88	12:45:00	17.750	1953.02	.13	201.02		
22/08/88	12:50:00	17.833	1953.07	.05	201.01		
22/08/88	12:55:00	17.917	1953.05	-.02	201.00		
22/08/88	13:00:00	18.000	1953.11	.06	201.00	561	(3868 KPA)
22/08/88	13:05:00	18.083	1953.18	.07	200.99		
22/08/88	13:10:00	18.167	1953.20	.02	200.98		
22/08/88	13:15:00	18.250	1953.06	-.13	200.96		
22/08/88	13:20:00	18.333	1953.08	.02	200.94		
22/08/88	13:25:00	18.417	1953.06	-.02	200.94		
22/08/88	13:30:00	18.500	1953.10	.04	200.92		
22/08/88	13:35:00	18.583	1953.20	.10	200.92		
22/08/88	13:40:00	18.667	1953.17	-.03	200.91		
22/08/88	13:45:00	18.750	1953.13	-.05	200.89		
22/08/88	13:50:00	18.833	1953.16	.04	200.88		
22/08/88	13:55:00	18.917	1953.19	.03	200.87		
22/08/88	14:00:00	19.000	1953.32	.13	200.86		
22/08/88	14:05:00	19.083	1953.32	.00	200.85		
22/08/88	14:10:00	19.167	1953.27	-.05	200.84		
22/08/88	14:15:00	19.250	1953.17	-.11	200.82		
22/08/88	14:20:00	19.333	1953.26	.09	200.81		
22/08/88	14:25:00	19.417	1953.22	-.04	200.79		
22/08/88	14:30:00	19.500	1953.24	.02	200.78		
22/08/88	14:35:00	19.583	1953.31	.08	200.78		
22/08/88	14:40:00	19.667	1953.35	.04	200.77		
22/08/88	14:45:00	19.750	1953.33	-.03	200.76		
22/08/88	14:50:00	19.833	1953.35	.03	200.76		
22/08/88	14:55:00	19.917	1953.25	-.11	200.75		
22/08/88	15:00:00	20.000	1953.21	-.04	200.75	562	(3875 KPA)
22/08/88	15:05:00	20.083	1953.14	-.07	200.75		
22/08/88	15:10:00	20.167	1953.15	.01	200.74		
22/08/88	15:15:00	20.250	1953.11	-.05	200.73		
22/08/88	15:20:00	20.333	1953.09	-.02	200.72		
22/08/88	15:25:00	20.417	1953.07	-.02	200.71		
22/08/88	15:30:00	20.500	1953.05	-.02	200.70		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD. DATE: 22/08/88 GAUGE 1 S/N: 599
 LOCATION : TANTANNA #1 TEST: SRT / PBU GAUGE 2 S/N: 0
 FORMATION: NAMUR PERFORATIONS: 4488'-4464'KB GAUGE DEPTH: 4500'KB
 OPERATOR : H.JAMES COMMENTS: WELL FLOWING 10/64ths C

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
22/08/88	15:35:00	20.583	1953.08	.03	200.69		
22/08/88	15:40:00	20.667	1953.12	.04	200.69		
22/08/88	15:45:00	20.750	1953.08	-.04	200.68		
22/08/88	15:50:00	20.833	1953.14	.06	200.67		
22/08/88	15:55:00	20.917	1953.14	.00	200.67		
22/08/88	16:00:00	21.000	1953.11	-.03	200.66		
22/08/88	16:05:00	21.083	1953.08	-.03	200.65		
22/08/88	16:10:00	21.167	1953.08	.00	200.64		
22/08/88	16:15:00	21.250	1953.00	-.08	200.63		
22/08/88	16:20:00	21.333	1953.06	.06	200.63		
22/08/88	16:25:00	21.417	1953.05	-.01	200.62		
22/08/88	16:30:00	21.500	1953.06	.01	200.62		
22/08/88	16:35:00	21.583	1953.06	.00	200.61		
22/08/88	16:40:00	21.667	1953.13	.07	200.60		
22/08/88	16:45:00	21.750	1953.11	-.02	200.60		
22/08/88	16:50:00	21.833	1953.11	.00	200.59		
22/08/88	16:55:00	21.917	1953.17	.06	200.60		
22/08/88	17:00:00	22.000	1953.17	.00	200.59	562	(3875 KPA)
22/08/88	17:05:00	22.083	1953.17	.00	200.58		
22/08/88	17:10:00	22.167	1953.17	.00	200.58		
22/08/88	17:15:00	22.250	1953.22	.05	200.57		
22/08/88	17:20:00	22.333	1953.17	-.05	200.57		
22/08/88	17:25:00	22.417	1953.17	.00	200.57		
22/08/88	17:30:00	22.500	1953.18	.01	200.56		
22/08/88	17:35:00	22.583	1953.17	-.01	200.56		
22/08/88	17:40:00	22.667	1953.19	.02	200.55		
22/08/88	17:45:00	22.750	1953.19	.00	200.54		
22/08/88	17:50:00	22.833	1953.20	.01	200.54		
22/08/88	17:55:00	22.917	1953.23	.03	200.52		
22/08/88	18:00:00	23.000	1953.18	-.05	200.52		
22/08/88	18:05:00	23.083	1953.22	.04	200.51		
22/08/88	18:10:00	23.167	1953.18	-.05	200.50		
22/08/88	18:15:00	23.250	1953.22	.04	200.50		
22/08/88	18:20:00	23.333	1953.19	-.03	200.50		
22/08/88	18:25:00	23.417	1953.20	.01	200.49		
22/08/88	18:30:00	23.500	1953.23	.04	200.49		
22/08/88	18:35:00	23.583	1953.27	.04	200.48		
22/08/88	18:40:00	23.667	1953.30	.03	200.47		
22/08/88	18:45:00	23.750	1953.30	.00	200.46		
22/08/88	18:50:00	23.833	1953.32	.02	200.47		
22/08/88	18:55:00	23.917	1953.31	-.01	200.46		
22/08/88	19:00:00	24.000	1953.30	-.01	200.46	561	(3868 KPA)
22/08/88	19:05:00	24.083	1953.29	-.01	200.47		
22/08/88	19:10:00	24.167	1953.27	-.03	200.46		
22/08/88	19:15:00	24.250	1953.26	-.01	200.46		
22/08/88	19:20:00	24.333	1953.41	.15	200.45		
22/08/88	19:25:00	24.417	1953.45	.04	200.45		
22/08/88	19:30:00	24.500	1953.45	.00	200.45		
22/08/88	19:35:00	24.583	1953.48	.03	200.44		
22/08/88	19:40:00	24.667	1953.50	.02	200.44		
22/08/88	19:45:00	24.750	1953.53	.03	200.44		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD. DATE: 22/08/88 GAUGE 1 S/N: 599
 LOCATION : TANTANNA #1 TEST: SRT / PBU GAUGE 2 S/N: 0
 FORMATION: NAMUR PERFORATIONS: 4488'-4464'KB GAUGE DEPTH: 4500'KB
 OPERATOR : H.JAMES COMMENTS: WELL FLOWING 10/64ths C

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
22/08/88	19:50:00	24.833	1953.53	.00	200.44		
22/08/88	19:55:00	24.917	1953.55	.02	200.44		
22/08/88	20:00:00	25.000	1953.55	.00	200.44		
22/08/88	20:05:00	25.083	1953.57	.02	200.43		
22/08/88	20:10:00	25.167	1953.57	.00	200.43		
22/08/88	20:15:00	25.250	1953.54	-.03	200.43		
22/08/88	20:20:00	25.333	1953.48	-.06	200.43		
22/08/88	20:25:00	25.417	1953.47	-.01	200.43		
22/08/88	20:30:00	25.500	1953.45	-.02	200.42		
22/08/88	20:35:00	25.583	1953.49	.04	200.42		
22/08/88	20:40:00	25.667	1953.52	.03	200.42		
22/08/88	20:45:00	25.750	1953.51	-.01	200.42		
22/08/88	20:50:00	25.833	1953.48	-.03	200.42		
22/08/88	20:55:00	25.917	1953.43	-.05	200.42		
22/08/88	21:00:00	26.000	1953.42	-.01	200.42	561	(3868 KPA)
22/08/88	21:05:00	26.083	1953.43	.01	200.42		
22/08/88	21:10:00	26.167	1953.47	.04	200.41		
22/08/88	21:15:00	26.250	1953.42	-.05	200.42		
22/08/88	21:20:00	26.333	1953.44	.02	200.40		
22/08/88	21:25:00	26.417	1953.41	-.03	200.38		
22/08/88	21:30:00	26.500	1953.46	.05	200.37		
22/08/88	21:35:00	26.583	1953.47	.01	200.35		
22/08/88	21:40:00	26.667	1953.51	.04	200.33		
22/08/88	21:45:00	26.750	1953.56	.05	200.32		
22/08/88	21:50:00	26.833	1953.50	-.06	200.33		
22/08/88	21:55:00	26.917	1953.56	.06	200.33		
22/08/88	22:00:00	27.000	1953.50	-.06	200.33		
22/08/88	22:05:00	27.083	1953.53	.03	200.34		
22/08/88	22:10:00	27.167	1953.52	-.01	200.33		
22/08/88	22:15:00	27.250	1953.51	-.01	200.31		
22/08/88	22:20:00	27.333	1953.59	.08	200.30		
22/08/88	22:25:00	27.417	1953.56	-.03	200.29		
22/08/88	22:30:00	27.500	1953.55	-.01	200.29		
22/08/88	22:35:00	27.583	1953.57	.02	200.28		
22/08/88	22:40:00	27.667	1953.57	-.00	200.28		
22/08/88	22:45:00	27.750	1953.60	.03	200.30		
22/08/88	22:50:00	27.833	1953.56	-.04	200.30		
22/08/88	22:55:00	27.917	1953.53	-.03	200.32		
22/08/88	23:00:00	28.000	1953.55	.02	200.32	561	(3868 KPA)
22/08/88	23:05:00	28.083	1953.59	.04	200.32		
22/08/88	23:10:00	28.167	1953.58	-.01	200.31		
22/08/88	23:15:00	28.250	1953.64	.06	200.33		
22/08/88	23:20:00	28.333	1953.61	-.03	200.33		
22/08/88	23:25:00	28.417	1953.58	-.03	200.33		
22/08/88	23:30:00	28.500	1953.62	.04	200.30		
22/08/88	23:35:00	28.583	1953.65	.03	200.28		
22/08/88	23:40:00	28.667	1953.64	-.01	200.28		
22/08/88	23:45:00	28.750	1953.66	.02	200.26		
22/08/88	23:50:00	28.833	1953.67	.01	200.26		
22/08/88	23:55:00	28.917	1953.65	-.02	200.26		
23/08/88	00:00:00	29.000	1953.80	.15	200.25		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 23/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: SRT / PBU

GAUGE 2 S/N: 0

FORMATION: NAMUR

PERFORATIONS: 4488'-4464'KB

GAUGE DEPTH: 4500'KB

OPERATOR : H.JAMES

COMMENTS: WELL FLOWING 10/64ths C

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
23/08/88	00:05:00	29.083	1953.84	.04	200.25		
23/08/88	00:10:00	29.167	1953.85	.01	200.26		
23/08/88	00:15:00	29.250	1953.85	.01	200.27		
23/08/88	00:20:00	29.333	1953.86	.01	200.28		
23/08/88	00:25:00	29.417	1953.80	-.06	200.30		
23/08/88	00:30:00	29.500	1953.82	.02	200.31		
23/08/88	00:35:00	29.583	1953.78	-.05	200.29		
23/08/88	00:40:00	29.667	1953.78	.00	200.27		
23/08/88	00:45:00	29.750	1953.78	.00	200.26		
23/08/88	00:50:00	29.833	1953.83	.05	200.25		
23/08/88	00:55:00	29.917	1953.92	.10	200.24		
23/08/88	01:00:00	30.000	1953.98	.06	200.24	561	(3868 KPA)
23/08/88	01:05:00	30.083	1953.94	-.04	200.24		
23/08/88	01:10:00	30.167	1953.97	.03	200.24		
23/08/88	01:15:00	30.250	1953.91	-.06	200.25		
23/08/88	01:20:00	30.333	1953.89	-.02	200.24		
23/08/88	01:25:00	30.417	1953.85	-.05	200.24		
23/08/88	01:30:00	30.500	1953.88	.03	200.24		
23/08/88	01:35:00	30.583	1953.87	-.01	200.23		
23/08/88	01:40:00	30.667	1953.87	-.00	200.23		
23/08/88	01:45:00	30.750	1953.85	-.02	200.23		
23/08/88	01:50:00	30.833	1953.88	.03	200.23		
23/08/88	01:55:00	30.917	1953.83	-.05	200.23		
23/08/88	02:00:00	31.000	1953.91	.08	200.23		
23/08/88	02:05:00	31.083	1953.89	-.02	200.23		
23/08/88	02:10:00	31.167	1953.94	.06	200.22		
23/08/88	02:15:00	31.250	1953.95	.01	200.21		
23/08/88	02:20:00	31.333	1953.89	-.07	200.22		
23/08/88	02:25:00	31.417	1953.88	-.01	200.21		
23/08/88	02:30:00	31.500	1953.85	-.03	200.21		
23/08/88	02:35:00	31.583	1953.91	.06	200.21		
23/08/88	02:40:00	31.667	1953.91	.00	200.20		
23/08/88	02:45:00	31.750	1953.92	.01	200.20		
23/08/88	02:50:00	31.833	1953.88	-.04	200.20		
23/08/88	02:55:00	31.917	1953.94	.06	200.19		
23/08/88	03:00:00	32.000	1953.89	-.05	200.19	561	(3868 KPA)
23/08/88	03:05:00	32.083	1953.81	-.08	200.16		
23/08/88	03:10:00	32.167	1954.04	.22	200.13		
23/08/88	03:15:00	32.250	1953.97	-.07	200.14		
23/08/88	03:20:00	32.333	1953.96	-.01	200.14		
23/08/88	03:25:00	32.417	1953.84	-.12	200.15		
23/08/88	03:30:00	32.500	1953.80	-.04	200.15		
23/08/88	03:35:00	32.583	1953.74	-.07	200.17		
23/08/88	03:40:00	32.667	1953.73	-.01	200.18		
23/08/88	03:45:00	32.750	1953.74	.02	200.17		
23/08/88	03:50:00	32.833	1953.70	-.05	200.17		
23/08/88	03:55:00	32.917	1953.74	.04	200.16		
23/08/88	04:00:00	33.000	1953.71	-.03	200.16		
23/08/88	04:05:00	33.083	1953.75	.04	200.15		
23/08/88	04:10:00	33.167	1953.71	-.04	200.15		
23/08/88	04:15:00	33.250	1953.71	.00	200.14		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 23/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: SRT / PBU

GAUGE 2 S/N: 0

FORMATION: NAMUR

PERFORATIONS: 4488'-4464'KB

GAUGE DEPTH: 4500'KB

OPERATOR : H. JAMES

COMMENTS: WELL FLOWING

10/64ths CHOKE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
23/08/88	04:20:00	33.333	1953.70	0.00	200.14		
23/08/88	04:25:00	33.417	1953.73	.03	200.13		
23/08/88	04:30:00	33.500	1953.77	.04	200.13		
23/08/88	04:35:00	33.583	1953.72	-.05	200.13		
23/08/88	04:40:00	33.667	1953.75	.03	200.12		
23/08/88	04:45:00	33.750	1953.71	-.04	200.12		
23/08/88	04:50:00	33.833	1953.69	-.02	200.12		
23/08/88	04:55:00	33.917	1953.72	.03	200.12		
23/08/88	05:00:00	34.000	1953.78	.06	200.12	561	(3868 KPA)
23/08/88	05:05:00	34.083	1953.70	-.08	200.11		
23/08/88	05:10:00	34.167	1953.67	-.03	200.11		
23/08/88	05:15:00	34.250	1953.62	-.05	200.11		
23/08/88	05:20:00	34.333	1953.67	.05	200.10		
23/08/88	05:25:00	34.417	1953.69	.02	200.11		
23/08/88	05:30:00	34.500	1953.66	-.03	200.10		
23/08/88	05:35:00	34.583	1953.73	.07	200.10		
23/08/88	05:40:00	34.667	1953.68	-.05	200.11		
23/08/88	05:45:00	34.750	1953.70	.02	200.11		
23/08/88	05:50:00	34.833	1953.73	.03	200.11		
23/08/88	05:55:00	34.917	1953.72	-.01	200.10		
23/08/88	06:00:00	35.000	1953.72	.00	200.10		
23/08/88	06:05:00	35.083	1953.78	.06	200.10		
23/08/88	06:10:00	35.167	1953.75	-.03	200.10		
23/08/88	06:15:00	35.250	1953.74	-.01	200.10		
23/08/88	06:20:00	35.333	1953.77	.03	200.10		
23/08/88	06:25:00	35.417	1953.77	0.00	200.10		
23/08/88	06:30:00	35.500	1953.78	.01	200.10		
23/08/88	06:35:00	35.583	1953.76	-.02	200.11		
23/08/88	06:40:00	35.667	1953.86	.11	200.11		
23/08/88	06:45:00	35.750	1953.87	.01	200.11		
23/08/88	06:50:00	35.833	1953.90	.03	200.11		
23/08/88	06:55:00	35.917	1953.88	-.02	200.12		
23/08/88	07:00:00	36.000	1953.87	-.01	200.11	561	(3868 KPA)
23/08/88	07:05:00	36.083	1953.96	.09	200.10		
23/08/88	07:10:00	36.167	1953.96	-.00	200.11		
23/08/88	07:15:00	36.250	1953.94	-.02	200.11		
23/08/88	07:20:00	36.333	1953.98	.04	200.11		
23/08/88	07:25:00	36.417	1953.96	-.02	200.11		
23/08/88	07:30:00	36.500	1953.98	.02	200.12		
23/08/88	07:35:00	36.583	1953.97	-.01	200.12		
23/08/88	07:40:00	36.667	1953.99	.02	200.12		
23/08/88	07:45:00	36.750	1953.95	-.04	200.12		
23/08/88	07:50:00	36.833	1954.02	.07	200.12		
23/08/88	07:55:00	36.917	1954.08	.06	200.12		
23/08/88	08:00:00	0.000	1954.08	-.00	200.11	561	SHUT IN WELL
23/08/88	08:00:10	.003	1976.13	22.05	200.11		DELTA P FROM SHUT IN
23/08/88	08:00:30	.008	1989.79	35.71	200.12		DELTA T FROM SHUT IN
23/08/88	08:01:40	.028	2002.07	47.99	200.05		
23/08/88	08:02:00	.033	2003.55	49.47	200.06		
23/08/88	08:02:20	.039	2004.60	50.52	200.04		20 SEC SAMPLE RATE

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 23/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: SRT / PBU

GAUGE 2 S/N: 0

FORMATION: NAMUR

PERFORATIONS: 4488'-4464'KB

GAUGE DEPTH: 4500'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (*F)	SURFACE (PSIG)	REMARKS
23/08/88	08:02:40	.044	2005.71	51.63	200.00		
23/08/88	08:03:00	.050	2006.57	52.49	199.97		
23/08/88	08:03:20	.056	2007.29	53.21	199.95		
23/08/88	08:03:40	.061	2008.07	53.99	199.92		
23/08/88	08:04:00	.067	2008.71	54.63	199.89		
23/08/88	08:04:20	.072	2009.21	55.13	199.86		
23/08/88	08:04:40	.078	2009.80	55.72	199.84		
23/08/88	08:05:00	.083	2010.34	56.26	199.82		
23/08/88	08:05:20	.089	2010.77	56.69	199.80		
23/08/88	08:05:40	.094	2011.16	57.08	199.77		
23/08/88	08:06:00	.100	2011.60	57.52	199.75		
23/08/88	08:06:30	.108	2012.30	58.22	199.72		
23/08/88	08:07:00	.117	2012.65	58.57	199.71		30 SEC SAMPLE RATE
23/08/88	08:07:30	.125	2013.22	59.14	199.71		
23/08/88	08:08:00	.133	2013.73	59.65	199.71		
23/08/88	08:08:30	.142	2014.12	60.04	199.72		
23/08/88	08:09:00	.150	2014.50	60.42	199.73		
23/08/88	08:09:30	.158	2014.92	60.84	199.74		
23/08/88	08:10:00	.167	2015.27	61.19	199.76		
23/08/88	08:10:30	.175	2015.51	61.43	199.77		
23/08/88	08:11:00	.183	2015.83	61.75	199.77		
23/08/88	08:11:30	.192	2016.14	62.06	199.79		
23/08/88	08:12:00	.200	2016.39	62.31	199.79		
23/08/88	08:12:30	.208	2016.67	62.59	199.80		
23/08/88	08:13:00	.217	2016.94	62.86	199.80		
23/08/88	08:13:30	.225	2017.20	63.12	199.81		
23/08/88	08:14:00	.233	2017.44	63.36	199.82		
23/08/88	08:14:30	.242	2017.61	63.53	199.82		
23/08/88	08:15:00	.250	2017.79	63.71	199.82	622	(4289 KPA)
23/08/88	08:15:30	.258	2018.00	63.92	199.83		
23/08/88	08:16:00	.267	2018.22	64.14	199.83		
23/08/88	08:16:30	.275	2018.40	64.32	199.83		
23/08/88	08:17:00	.283	2018.58	64.50	199.83		
23/08/88	08:17:30	.292	2018.77	64.69	199.84		
23/08/88	08:18:00	.300	2018.97	64.89	199.83		
23/08/88	08:18:30	.308	2019.11	65.03	199.84		
23/08/88	08:19:00	.317	2019.23	65.15	199.84		
23/08/88	08:19:30	.325	2019.45	65.37	199.84		
23/08/88	08:20:00	.333	2019.59	65.51	199.84		
23/08/88	08:20:30	.342	2019.75	65.67	199.85		
23/08/88	08:21:00	.350	2019.81	65.73	199.85		
23/08/88	08:21:30	.358	2020.00	65.92	199.84		
23/08/88	08:22:00	.367	2020.15	66.07	199.84		
23/08/88	08:22:30	.375	2020.24	66.16	199.85		
23/08/88	08:23:00	.383	2020.38	66.30	199.85		
23/08/88	08:23:30	.392	2020.51	66.43	199.84		
23/08/88	08:24:00	.400	2020.63	66.55	199.84		
23/08/88	08:24:30	.408	2020.81	66.73	199.85		
23/08/88	08:25:00	.417	2020.90	66.82	199.84		
23/08/88	08:25:30	.425	2020.95	66.87	199.85		
23/08/88	08:26:00	.433	2021.14	67.06	199.84		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 23/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: SRT / PBU

GAUGE 2 S/N: 0

FORMATION: NAMUR

PERFORATIONS: 4488'-4464'KB

GAUGE DEPTH: 4500'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
23/08/88	08:26:30	.442	2021.20	67.12	199.84		
23/08/88	08:27:00	.450	2021.31	67.23	199.85		
23/08/88	08:27:30	.458	2021.44	67.36	199.85		
23/08/88	08:28:00	.467	2021.50	67.42	199.84		
23/08/88	08:28:30	.475	2021.64	67.56	199.84		
23/08/88	08:29:00	.483	2021.75	67.67	199.84		
23/08/88	08:29:30	.492	2021.90	67.82	199.84		
23/08/88	08:30:00	.500	2021.93	67.85	199.84	625	1 MIN SAMPLE ATE
23/08/88	08:31:00	.517	2022.09	68.01	199.85		
23/08/88	08:32:00	.533	2022.31	68.23	199.86		
23/08/88	08:33:00	.550	2022.50	68.42	199.88		
23/08/88	08:34:00	.567	2022.64	68.56	199.90		
23/08/88	08:35:00	.583	2022.84	68.76	199.91		
23/08/88	08:36:00	.600	2023.04	68.96	199.91		
23/08/88	08:37:00	.617	2023.14	69.06	199.92		
23/08/88	08:38:00	.633	2023.29	69.21	199.92		
23/08/88	08:39:00	.650	2023.46	69.38	199.93		
23/08/88	08:40:00	.667	2023.58	69.50	199.93		
23/08/88	08:41:00	.683	2023.71	69.63	199.93		
23/08/88	08:42:00	.700	2023.89	69.81	199.94		
23/08/88	08:43:00	.717	2023.97	69.89	199.93		
23/08/88	08:44:00	.733	2024.12	70.04	199.94	627	(4323 KPA)
23/08/88	08:45:00	.750	2024.25	70.17	199.94		
23/08/88	08:46:00	.767	2024.40	70.32	199.93		
23/08/88	08:47:00	.783	2024.52	70.44	199.94		
23/08/88	08:48:00	.800	2024.62	70.54	199.94		
23/08/88	08:49:00	.817	2024.74	70.66	199.94		
23/08/88	08:50:00	.833	2024.86	70.78	199.93		
23/08/88	08:51:00	.850	2024.99	70.91	199.88		
23/08/88	08:52:00	.867	2025.10	71.02	199.88		
23/08/88	08:53:00	.883	2025.17	71.09	199.89		
23/08/88	08:54:00	.900	2025.30	71.22	199.89		
23/08/88	08:55:00	.917	2025.41	71.33	199.90		
23/08/88	08:56:00	.933	2025.54	71.46	199.91		
23/08/88	08:57:00	.950	2025.62	71.54	199.91		
23/08/88	08:58:00	.967	2025.71	71.63	199.92		
23/08/88	08:59:00	.983	2025.81	71.73	199.92		
23/08/88	09:00:00	1.000	2025.93	71.85	199.92	628	(4330 KPA)
23/08/88	09:01:00	1.017	2025.99	71.91	199.92		
23/08/88	09:02:00	1.033	2026.12	72.04	199.92		
23/08/88	09:03:00	1.050	2026.18	72.10	199.92		
23/08/88	09:04:00	1.067	2026.33	72.25	199.92		
23/08/88	09:05:00	1.083	2026.35	72.27	199.91		
23/08/88	09:06:00	1.100	2026.45	72.37	199.91		
23/08/88	09:07:00	1.117	2026.52	72.44	199.91		
23/08/88	09:08:00	1.133	2026.61	72.53	199.91		
23/08/88	09:09:00	1.150	2026.70	72.62	199.91		
23/08/88	09:10:00	1.167	2026.72	72.64	199.91		
23/08/88	09:11:00	1.183	2026.84	72.76	199.91		
23/08/88	09:12:00	1.200	2026.92	72.84	199.91		
23/08/88	09:13:00	1.217	2026.98	72.90	199.90		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 23/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: SRT / PBU

GAUGE 2 S/N: 0

FORMATION: NAMUR

PERFORATIONS: 4488'-4464'KB

GAUGE DEPTH: 4500'KB

OPERATOR : H. JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
23/08/88	09:14:00	1.233	2027.10	73.02	199.91		
23/08/88	09:15:00	1.250	2027.18	73.10	199.90		
23/08/88	09:16:00	1.267	2027.21	73.13	199.90		
23/08/88	09:17:00	1.283	2027.28	73.20	199.90		
23/08/88	09:18:00	1.300	2027.36	73.28	199.90		
23/08/88	09:19:00	1.317	2027.40	73.32	199.89		
23/08/88	09:20:00	1.333	2027.47	73.39	199.89		
23/08/88	09:21:00	1.350	2027.58	73.50	199.89		
23/08/88	09:22:00	1.367	2027.59	73.51	199.90		
23/08/88	09:23:00	1.383	2027.71	73.63	199.90		
23/08/88	09:24:00	1.400	2027.76	73.68	199.90		
23/08/88	09:25:00	1.417	2027.78	73.70	199.89		
23/08/88	09:26:00	1.433	2027.82	73.74	199.89		
23/08/88	09:27:00	1.450	2027.92	73.84	199.89		
23/08/88	09:28:00	1.467	2028.00	73.92	199.89		
23/08/88	09:29:00	1.483	2028.01	73.93	199.88		
23/08/88	09:30:00	1.500	2028.14	74.06	199.88	630	(4344 KPA)
23/08/88	09:31:00	1.517	2028.15	74.07	199.88		
23/08/88	09:32:00	1.533	2028.16	74.08	199.89		
23/08/88	09:33:00	1.550	2028.21	74.13	199.88		
23/08/88	09:34:00	1.567	2028.25	74.17	199.89		
23/08/88	09:35:00	1.583	2028.29	74.21	199.89		
23/08/88	09:36:00	1.600	2028.34	74.26	199.88		
23/08/88	09:37:00	1.617	2028.47	74.39	199.88		
23/08/88	09:38:00	1.633	2028.46	74.38	199.88		
23/08/88	09:39:00	1.650	2028.59	74.51	199.88		
23/08/88	09:40:00	1.667	2028.55	74.47	199.88		
23/08/88	09:41:00	1.683	2028.64	74.56	199.88		
23/08/88	09:42:00	1.700	2028.65	74.57	199.88		
23/08/88	09:43:00	1.717	2028.74	74.66	199.88		
23/08/88	09:44:00	1.733	2028.78	74.70	199.88		
23/08/88	09:45:00	1.750	2028.84	74.76	199.88		
23/08/88	09:46:00	1.767	2028.88	74.80	199.88		
23/08/88	09:47:00	1.783	2028.92	74.84	199.88		
23/08/88	09:48:00	1.800	2028.99	74.91	199.87		
23/08/88	09:49:00	1.817	2029.06	74.98	199.87		
23/08/88	09:50:00	1.833	2029.10	75.02	199.88		
23/08/88	09:51:00	1.850	2029.12	75.04	199.87		
23/08/88	09:52:00	1.867	2029.17	75.09	199.88		
23/08/88	09:53:00	1.883	2029.26	75.18	199.87		
23/08/88	09:54:00	1.900	2029.27	75.19	199.87		
23/08/88	09:55:00	1.917	2029.32	75.24	199.87		
23/08/88	09:56:00	1.933	2029.36	75.28	199.87		
23/08/88	09:57:00	1.950	2029.42	75.34	199.87		
23/08/88	09:58:00	1.967	2029.42	75.34	199.87		
23/08/88	09:59:00	1.983	2029.47	75.39	199.88		
23/08/88	10:00:00	2.000	2029.46	75.38	199.88	630	5 MIN SAMPLE RATE
23/08/88	10:05:00	2.083	2029.66	75.58	199.95		
23/08/88	10:10:00	2.167	2029.82	75.74	199.97		
23/08/88	10:15:00	2.250	2029.99	75.91	199.98		
23/08/88	10:20:00	2.333	2030.10	76.02	199.99		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD. DATE: 23/08/88 GAUGE 1 S/N: 599
 LOCATION : TANTANNA #1 TEST: SRT / PBU GAUGE 2 S/N: 0
 FORMATION: NAMUR PERFORATIONS: 4488'-4464'KB GAUGE DEPTH: 4500'KB
 OPERATOR : H. JAMES COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
23/08/88	10:25:00	2.417	2030.21	76.13	200.00		
23/08/88	10:30:00	2.500	2030.37	76.29	199.99		
23/08/88	10:35:00	2.583	2030.51	76.43	200.00		
23/08/88	10:40:00	2.667	2030.62	76.54	200.00		
23/08/88	10:45:00	2.750	2030.79	76.71	200.00		
23/08/88	10:50:00	2.833	2030.83	76.75	199.99		
23/08/88	10:55:00	2.917	2030.91	76.83	200.00		
23/08/88	11:00:00	3.000	2031.05	76.97	200.00	631	(4351 KPA)
23/08/88	11:05:00	3.083	2031.11	77.03	200.00		
23/08/88	11:10:00	3.167	2031.20	77.12	200.00		
23/08/88	11:15:00	3.250	2031.23	77.15	199.99		
23/08/88	11:20:00	3.333	2031.39	77.31	200.00		
23/08/88	11:25:00	3.417	2031.47	77.39	199.99		
23/08/88	11:30:00	3.500	2031.54	77.46	199.99		
23/08/88	11:35:00	3.583	2031.57	77.49	199.99		
23/08/88	11:40:00	3.667	2031.61	77.53	199.99		
23/08/88	11:45:00	3.750	2031.68	77.60	200.00		
23/08/88	11:50:00	3.833	2031.74	77.66	200.00		
23/08/88	11:55:00	3.917	2031.85	77.77	199.99		
23/08/88	12:00:00	4.000	2031.86	77.78	199.99	631	(4351 KPA)
23/08/88	12:05:00	4.083	2031.91	77.83	199.99		
23/08/88	12:10:00	4.167	2031.98	77.90	199.98		
23/08/88	12:15:00	4.250	2032.01	77.93	199.98		
23/08/88	12:20:00	4.333	2032.09	78.01	199.98		
23/08/88	12:25:00	4.417	2032.10	78.02	199.98		
23/08/88	12:30:00	4.500	2032.14	78.06	199.98		
23/08/88	12:35:00	4.583	2032.18	78.10	199.98		
23/08/88	12:40:00	4.667	2032.22	78.14	199.97		
23/08/88	12:45:00	4.750	2032.20	78.12	199.98		
23/08/88	12:50:00	4.833	2032.32	78.24	199.97		
23/08/88	12:55:00	4.917	2032.29	78.21	199.98		
23/08/88	13:00:00	5.000	2032.37	78.29	199.98		
23/08/88	13:05:00	5.083	2032.34	78.26	199.98		
23/08/88	13:10:00	5.167	2032.44	78.36	199.97		
23/08/88	13:15:00	5.250	2032.43	78.35	199.97		
23/08/88	13:20:00	5.333	2032.44	78.36	199.97		
23/08/88	13:25:00	5.417	2032.46	78.38	199.97		
23/08/88	13:30:00	5.500	2032.44	78.36	199.97		
23/08/88	13:35:00	5.583	2032.51	78.43	199.97		
23/08/88	13:40:00	5.667	2032.57	78.49	199.96		
23/08/88	13:45:00	5.750	2032.56	78.48	199.96		
23/08/88	13:50:00	5.833	2032.55	78.47	199.96		
23/08/88	13:55:00	5.917	2032.55	78.47	199.96		
23/08/88	14:00:00	6.000	2032.58	78.50	199.96		
23/08/88	14:05:00	6.083	2032.66	78.58	199.96		
23/08/88	14:10:00	6.167	2032.64	78.56	199.96		
23/08/88	14:15:00	6.250	2032.65	78.57	199.96		
23/08/88	14:20:00	6.333	2032.65	78.57	199.96		
23/08/88	14:25:00	6.417	2032.70	78.62	199.95		
23/08/88	14:30:00	6.500	2032.72	78.64	199.95		
23/08/88	14:35:00	6.583	2032.71	78.63	199.95		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD. DATE: 23/08/88 GAUGE 1 S/N: 599
 LOCATION : TANTANNA #1 TEST: SRT / PBU GAUGE 2 S/N: 0
 FORMATION: NAMUR PERFORATIONS: 4488'-4464'KB GAUGE DEPTH: 4500'KB
 OPERATOR : H. JAMES COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
23/08/88	14:40:00	6.667	2032.69	78.61	199.95		
23/08/88	14:45:00	6.750	2032.76	78.68	199.94		
23/08/88	14:50:00	6.833	2032.72	78.64	199.94		
23/08/88	14:55:00	6.917	2032.74	78.66	199.94		
23/08/88	15:00:00	7.000	2032.75	78.67	199.94		
23/08/88	15:05:00	7.083	2032.74	78.66	199.94		
23/08/88	15:10:00	7.167	2032.81	78.73	199.93		
23/08/88	15:15:00	7.250	2032.83	78.75	199.93		
23/08/88	15:20:00	7.333	2032.81	78.73	199.94		
23/08/88	15:25:00	7.417	2032.82	78.74	199.93		
23/08/88	15:30:00	7.500	2032.76	78.68	199.93		
23/08/88	15:35:00	7.583	2032.86	78.78	199.93		
23/08/88	15:40:00	7.667	2032.84	78.76	199.93		
23/08/88	15:45:00	7.750	2032.87	78.79	199.92		
23/08/88	15:50:00	7.833	2032.83	78.75	199.92		
23/08/88	15:55:00	7.917	2032.86	78.78	199.93		
23/08/88	16:00:00	8.000	2032.83	78.75	199.93	629	(4337 KPA)
23/08/88	16:10:00	8.167	2032.86	78.78	199.94		10 MIN SAMPLE RATE
23/08/88	16:20:00	8.333	2032.87	78.79	199.93		
23/08/88	16:30:00	8.500	2032.86	78.78	199.94		
23/08/88	16:40:00	8.667	2032.88	78.80	199.95		
23/08/88	16:50:00	8.833	2032.83	78.75	199.95		
23/08/88	17:00:00	9.000	2032.86	78.78	199.94		
23/08/88	17:10:00	9.167	2032.89	78.81	199.94		
23/08/88	17:20:00	9.333	2032.83	78.75	199.95		
23/08/88	17:30:00	9.500	2032.84	78.76	199.94		
23/08/88	17:40:00	9.667	2032.83	78.75	199.95		
23/08/88	17:50:00	9.833	2032.79	78.71	199.94		
23/08/88	18:00:00	10.000	2032.84	78.76	199.95		
23/08/88	18:10:00	10.167	2032.84	78.76	199.95		
23/08/88	18:20:00	10.333	2032.83	78.75	199.94		
23/08/88	18:30:00	10.500	2032.81	78.73	199.95		
23/08/88	18:40:00	10.667	2032.83	78.75	199.95		
23/08/88	18:50:00	10.833	2032.85	78.77	199.94		
23/08/88	19:00:00	11.000	2032.83	78.75	199.94		
23/08/88	19:10:00	11.167	2032.86	78.78	199.93		
23/08/88	19:20:00	11.333	2032.87	78.79	199.93		
23/08/88	19:30:00	11.500	2032.83	78.75	199.93		
23/08/88	19:40:00	11.667	2032.87	78.79	199.93		
23/08/88	19:50:00	11.833	2032.85	78.77	199.92		
23/08/88	20:00:00	12.000	2032.87	78.79	199.92		
23/08/88	20:10:00	12.167	2032.84	78.76	199.92		
23/08/88	20:20:00	12.333	2032.83	78.75	199.92		
23/08/88	20:30:00	12.500	2032.91	78.83	199.91		
23/08/88	20:40:00	12.667	2032.88	78.80	199.90		
23/08/88	20:50:00	12.833	2032.86	78.78	199.91		
23/08/88	21:00:00	13.000	2032.90	78.82	199.90		
23/08/88	21:10:00	13.167	2032.92	78.84	199.90		
23/08/88	21:20:00	13.333	2032.86	78.78	199.89		
23/08/88	21:30:00	13.500	2032.89	78.81	199.90		
23/08/88	21:40:00	13.667	2032.88	78.80	199.90		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 23/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: SRT / PBU

GAUGE 2 S/N: 0

FORMATION: NAMUR

PERFORATIONS: 4488'-4464'KB

GAUGE DEPTH: 4500'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
23/08/88	21:50:00	13.833	2032.86	78.78	199.90		
23/08/88	22:00:00	14.000	2032.85	78.77	199.90		
23/08/88	22:10:00	14.167	2032.87	78.79	199.89		
23/08/88	22:20:00	14.333	2032.88	78.80	199.89		
23/08/88	22:30:00	14.500	2032.84	78.76	199.89		
23/08/88	22:40:00	14.667	2032.90	78.82	199.89		
23/08/88	22:50:00	14.833	2032.86	78.78	199.89		
23/08/88	23:00:00	15.000	2032.83	78.75	199.88		
23/08/88	23:10:00	15.167	2032.80	78.72	199.88		
23/08/88	23:20:00	15.333	2032.81	78.73	199.88		
23/08/88	23:30:00	15.500	2032.89	78.81	199.88		
23/08/88	23:40:00	15.667	2032.88	78.80	199.88		
23/08/88	23:50:00	15.833	2032.84	78.76	199.88		
24/08/88	00:00:00	16.000	2032.86	78.78	199.87	626	(4316 KPA)
24/08/88	00:10:00	16.167	2032.84	78.76	199.87		
24/08/88	00:20:00	16.333	2032.86	78.78	199.86		
24/08/88	00:30:00	16.500	2032.86	78.78	199.86		
24/08/88	00:40:00	16.667	2032.88	78.80	199.86		
24/08/88	00:50:00	16.833	2032.84	78.76	199.85		
24/08/88	01:00:00	17.000	2032.84	78.76	199.85		
24/08/88	01:10:00	17.167	2032.91	78.83	199.85		
24/08/88	01:20:00	17.333	2032.86	78.78	199.84		
24/08/88	01:30:00	17.500	2032.87	78.79	199.84		
24/08/88	01:40:00	17.667	2032.91	78.83	199.84		
24/08/88	01:50:00	17.833	2032.93	78.85	199.83		
24/08/88	02:00:00	18.000	2032.90	78.82	199.84		
24/08/88	02:10:00	18.167	2032.88	78.80	199.84		
24/08/88	02:20:00	18.333	2032.90	78.82	199.83		
24/08/88	02:30:00	18.500	2032.86	78.78	199.83		
24/08/88	02:40:00	18.667	2032.92	78.84	199.83		
24/08/88	02:50:00	18.833	2032.92	78.84	199.82		
24/08/88	03:00:00	19.000	2032.88	78.80	199.82		
24/08/88	03:10:00	19.167	2032.89	78.81	199.81		
24/08/88	03:20:00	19.333	2032.86	78.78	199.81		
24/08/88	03:30:00	19.500	2032.93	78.85	199.81		
24/08/88	03:40:00	19.667	2032.90	78.82	199.81		
24/08/88	03:50:00	19.833	2032.89	78.81	199.80		
24/08/88	04:00:00	20.000	2032.84	78.76	199.80	625	(4309 KPA)
24/08/88	04:10:00	20.167	2032.89	78.81	199.80		
24/08/88	04:20:00	20.333	2032.89	78.81	199.80		
24/08/88	04:30:00	20.500	2032.89	78.81	199.79		
24/08/88	04:40:00	20.667	2032.92	78.84	199.79		
24/08/88	04:50:00	20.833	2032.92	78.84	199.79		
24/08/88	05:00:00	21.000	2032.90	78.82	199.79		
24/08/88	05:30:00	21.500	2032.92	78.84	199.78		
24/08/88	05:40:00	21.667	2032.91	78.83	199.77		
24/08/88	05:50:00	21.833	2032.93	78.85	199.76		
24/08/88	06:00:00	22.000	2032.96	78.88	199.76		
24/08/88	06:10:00	22.167	2032.95	78.87	199.76		
24/08/88	06:20:00	22.333	2032.97	78.89	199.75		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 24/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: SRT / PBU

GAUGE 2 S/N: 0

FORMATION: NAMUR

PERFORATIONS: 4488'-4464'KB

GAUGE DEPTH: 4500'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
24/08/88	06:30:00	22.500	2032.95	78.87	199.75		
24/08/88	06:40:00	22.667	2032.97	78.89	199.75		
24/08/88	06:50:00	22.833	2032.93	78.85	199.75		
24/08/88	07:00:00	23.000	2032.92	78.84	199.74		
24/08/88	07:10:00	23.167	2032.99	78.91	199.74		
24/08/88	07:20:00	23.333	2032.98	78.90	199.74		
24/08/88	07:30:00	23.500	2032.93	78.85	199.74		
24/08/88	07:40:00	23.667	2032.97	78.89	199.73		
24/08/88	07:50:00	23.833	2032.97	78.89	199.73		
24/08/88	08:00:00	24.000	2032.93	78.85	199.73	624	(4302 KPA)
24/08/88	08:01:00	24.017	2032.99	0.00	199.72		P.O.H.FOR GRADIENT
24/08/88	08:09:00	24.150	1863.92	-169.07	194.70		1st STOP @ 4000'KB
24/08/88	08:10:00	24.167	1866.65	2.72	193.93		
24/08/88	08:11:00	24.183	1869.11	2.47	193.36		
24/08/88	08:12:00	24.200	1871.12	2.01	192.91		
24/08/88	08:13:00	24.217	1872.68	1.56	192.55		
24/08/88	08:14:00	24.233	1873.95	1.27	192.27		
24/08/88	08:15:00	24.250	1875.04	1.09	192.04		
24/08/88	08:16:00	24.267	1875.81	.77	191.86		
24/08/88	08:17:00	24.283	1876.45	.64	191.70		
24/08/88	08:18:00	24.300	1877.01	.56	191.57		
24/08/88	08:19:00	24.317	1877.38	.37	191.47		
24/08/88	08:20:00	24.333	1877.78	.40	191.37		
24/08/88	08:21:00	24.350	1878.05	.27	191.30		
24/08/88	08:22:00	24.367	1878.27	.23	191.23		
24/08/88	08:23:00	24.383	1878.47	.20	191.17		
24/08/88	08:24:00	24.400	1878.61	.14	191.11		
24/08/88	08:25:00	24.417	1878.81	.20	191.07		
24/08/88	08:26:00	24.433	1878.90	.09	191.03		
24/08/88	08:27:00	24.450	1878.97	.07	190.99		
24/08/88	08:28:00	24.467	1879.03	.06	190.95		
24/08/88	08:29:00	24.483	1879.08	.05	190.92		
24/08/88	08:30:00	24.500	1879.12	.04	190.89		
24/08/88	08:31:00	24.517	1879.19	.07	190.86		
24/08/88	08:32:00	24.533	1879.28	.09	190.84		
24/08/88	08:33:00	24.550	1879.33	.05	190.81		
24/08/88	08:34:00	24.567	1879.34	.01	190.79		
24/08/88	08:35:00	24.583	1879.35	.01	190.78		
24/08/88	08:36:00	24.600	1879.44	.09	190.76		
24/08/88	08:37:00	24.617	1879.47	.03	190.74		
24/08/88	08:43:00	24.717	1708.36	-171.11	185.41		P.O.H.
24/08/88	08:44:00	24.733	1710.97	2.61	184.17		2nd STOP @ 3500'KB
24/08/88	08:45:00	24.750	1713.79	2.82	183.24		
24/08/88	08:46:00	24.767	1716.06	2.27	182.53		
24/08/88	08:47:00	24.783	1717.79	1.73	181.97		
24/08/88	08:48:00	24.800	1719.30	1.51	181.52		
24/08/88	08:49:00	24.817	1720.49	1.19	181.17		
24/08/88	08:50:00	24.833	1721.40	.91	180.88		
24/08/88	08:51:00	24.850	1722.17	.77	180.65		
24/08/88	08:52:00	24.867	1722.76	.59	180.45		
24/08/88	08:53:00	24.883	1723.20	.44	180.29		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 24/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: SRT / PBU

GAUGE 2 S/N: 0

FORMATION: NAMUR

PERFORATIONS: 4488'-4464'KB

GAUGE DEPTH: GRAD

OPERATOR : H. JAMES

COMMENTS: GRADIENT

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
24/08/88	08:54:00	24.900	1723.63	.44	180.14		
24/08/88	08:55:00	24.917	1723.93	.30	180.02		
24/08/88	08:56:00	24.933	1724.25	.32	179.91		
24/08/88	08:57:00	24.950	1724.24	-.01	179.83		
24/08/88	08:58:00	24.967	1724.56	.32	179.75		
24/08/88	08:59:00	24.983	1724.70	.14	179.68		
24/08/88	09:00:00	25.000	1724.96	.26	179.62		
24/08/88	09:01:00	25.017	1724.92	-.04	179.56		
24/08/88	09:02:00	25.033	1725.04	.12	179.51		
24/08/88	09:03:00	25.050	1725.10	.06	179.46		
24/08/88	09:04:00	25.067	1725.25	.15	179.42		
24/08/88	09:05:00	25.083	1725.18	-.06	179.38		
24/08/88	09:06:00	25.100	1725.23	.04	179.34		
24/08/88	09:07:00	25.117	1725.33	.11	179.31		
24/08/88	09:08:00	25.133	1725.39	.06	179.28		
24/08/88	09:09:00	25.150	1725.32	-.07	179.25		
24/08/88	09:10:00	25.167	1725.30	-.02	179.22		P.O.H.
24/08/88	09:14:00	25.233	1562.24	-163.07	175.47		3rd STOP @ 3000'KB
24/08/88	09:15:00	25.250	1559.70	-2.54	173.62		
24/08/88	09:16:00	25.267	1561.30	1.60	172.24		
24/08/88	09:17:00	25.283	1563.19	1.89	171.18		
24/08/88	09:18:00	25.300	1564.83	1.64	170.35		
24/08/88	09:19:00	25.317	1566.04	1.20	169.70		
24/08/88	09:20:00	25.333	1567.14	1.10	169.17		
24/08/88	09:21:00	25.350	1567.83	.69	168.75		
24/08/88	09:22:00	25.367	1568.45	.62	168.40		
24/08/88	09:23:00	25.383	1569.00	.55	168.12		
24/08/88	09:24:00	25.400	1569.40	.40	167.88		
24/08/88	09:25:00	25.417	1569.61	.20	167.67		
24/08/88	09:26:00	25.433	1569.98	.37	167.50		
24/08/88	09:27:00	25.450	1570.22	.24	167.35		
24/08/88	09:28:00	25.467	1570.62	.40	167.22		
24/08/88	09:29:00	25.483	1570.52	-.09	167.11		
24/08/88	09:30:00	25.500	1570.63	.11	167.01		
24/08/88	09:31:00	25.517	1570.72	.09	166.92		
24/08/88	09:32:00	25.533	1570.83	.11	166.84		
24/08/88	09:33:00	25.550	1570.86	.03	166.76		
24/08/88	09:34:00	25.567	1570.95	.09	166.69		
24/08/88	09:35:00	25.583	1571.08	.13	166.64		
24/08/88	09:36:00	25.600	1570.99	-.09	166.59		
24/08/88	09:37:00	25.617	1570.99	-.00	166.54		
24/08/88	09:38:00	25.633	1571.08	.09	166.49		
24/08/88	09:39:00	25.650	1571.13	.05	166.45		
24/08/88	09:40:00	25.667	1571.09	-.04	166.41		P.O.H.
24/08/88	09:45:00	25.750	1413.66	-157.42	161.84		4th STOP @ 2500'KB
24/08/88	09:46:00	25.767	1412.48	-1.19	160.30		
24/08/88	09:47:00	25.783	1413.09	.61	159.15		
24/08/88	09:48:00	25.800	1413.45	.36	158.26		
24/08/88	09:49:00	25.817	1414.33	.88	157.57		
24/08/88	09:50:00	25.833	1414.83	.50	157.05		
24/08/88	09:51:00	25.850	1415.19	.36	156.63		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD. DATE: 24/08/88
 LOCATION : TANTANNA #1 TEST: SRT / PBU
 FORMATION: NAMUR PERFORATIONS: 4488'-4464'KB
 OPERATOR : H.JAMES COMMENTS: GRADIENT

GAUGE 1 S/N: 599
 GAUGE 2 S/N: 0
 GAUGE DEPTH: GRAD

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
24/08/88	09:52:00	25.867	1415.35	.16	156.28		
24/08/88	09:53:00	25.883	1415.53	.19	156.00		
24/08/88	09:54:00	25.900	1415.73	.20	155.76		
24/08/88	09:55:00	25.917	1415.84	.11	155.57		
24/08/88	09:56:00	25.933	1415.83	-.01	155.41		
24/08/88	09:57:00	25.950	1415.94	.10	155.28		
24/08/88	09:58:00	25.967	1416.01	.07	155.15		
24/08/88	09:59:00	25.983	1416.20	.20	155.04		
24/08/88	10:00:00	26.000	1416.02	-.18	154.96		
24/08/88	10:01:00	26.017	1416.11	.09	154.87		
24/08/88	10:02:00	26.033	1416.16	.05	154.80		
24/08/88	10:03:00	26.050	1416.22	.06	154.74		
24/08/88	10:04:00	26.067	1416.15	-.07	154.69		
24/08/88	10:12:00	26.200	1263.10	-153.05	147.07		P.O.H. 5th STOP @ 2000'KB
24/08/88	10:13:00	26.217	1262.90	-.20	145.92		
24/08/88	10:14:00	26.233	1262.52	-.38	145.04		
24/08/88	10:15:00	26.250	1262.36	-.17	144.34		
24/08/88	10:16:00	26.267	1262.21	-.15	143.77		
24/08/88	10:17:00	26.283	1261.97	-.24	143.32		
24/08/88	10:18:00	26.300	1261.76	-.21	142.95		
24/08/88	10:19:00	26.317	1261.88	.13	142.64		
24/08/88	10:20:00	26.333	1261.49	-.39	142.38		
24/08/88	10:21:00	26.350	1261.68	.18	142.17		
24/08/88	10:22:00	26.367	1261.15	-.52	141.98		
24/08/88	10:23:00	26.383	1261.01	-.14	141.82		
24/08/88	10:24:00	26.400	1260.88	-.14	141.68		
24/08/88	10:25:00	26.417	1260.85	-.02	141.55		
24/08/88	10:26:00	26.433	1260.47	-.39	141.44		
24/08/88	10:27:00	26.450	1260.66	.19	141.35		
24/08/88	10:28:00	26.467	1260.76	.10	141.26		
24/08/88	10:29:00	26.483	1260.58	-.18	141.19		
24/08/88	10:30:00	26.500	1260.50	-.08	141.11		
24/08/88	10:36:00	26.600	1112.54	-147.95	136.09		P.O.H. 6th STOP @ 1500'KB
24/08/88	10:37:00	26.617	1111.13	-1.42	134.92		
24/08/88	10:38:00	26.633	1109.84	-1.29	134.02		
24/08/88	10:39:00	26.650	1109.02	-.82	133.31		
24/08/88	10:40:00	26.667	1108.28	-.74	132.76		
24/08/88	10:41:00	26.683	1107.42	-.86	132.33		
24/08/88	10:42:00	26.700	1107.04	-.38	131.97		
24/08/88	10:43:00	26.717	1106.78	-.26	131.68		
24/08/88	10:44:00	26.733	1106.15	-.63	131.44		
24/08/88	10:45:00	26.750	1105.86	-.29	131.25		
24/08/88	10:46:00	26.767	1106.07	.20	131.08		
24/08/88	10:47:00	26.783	1105.41	-.65	130.94		
24/08/88	10:48:00	26.800	1105.06	-.36	130.82		
24/08/88	10:49:00	26.817	1104.87	-.19	130.72		
24/08/88	10:50:00	26.833	1104.77	-.10	130.63		
24/08/88	10:51:00	26.850	1104.63	-.13	130.55		
24/08/88	10:52:00	26.867	1104.47	-.16	130.47		
24/08/88	10:53:00	26.883	1103.63	-.85	130.41		
24/08/88	10:54:00	26.900	1104.21	.58	130.35		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 24/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: SRT / PBU

GAUGE 2 S/N: 0

FORMATION: NAMUR

PERFORATIONS: 4488'-4464'KB

GAUGE DEPTH: GRAD

OPERATOR : H.JAMES

COMMENTS: GRADIENT

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
24/08/88	10:55:00	26.917	1104.27	.06	130.30		
24/08/88	10:56:00	26.933	1104.18	-.10	130.25		
24/08/88	10:57:00	26.950	1102.29	-1.89	130.22		
24/08/88	10:58:00	26.967	1103.54	1.25	130.17		
24/08/88	10:59:00	26.983	1103.82	.27	130.14		
24/08/88	11:00:00	27.000	1103.87	.05	130.10		
24/08/88	11:01:00	27.017	1103.89	.02	130.07		
24/08/88	11:02:00	27.033	1103.86	-.03	130.04		
24/08/88	11:03:00	27.050	1103.89	.03	130.02		P.O.H.
24/08/88	11:07:00	27.117	966.39	-137.50	125.88		7th STOP @ 1000'KB
24/08/88	11:08:00	27.133	962.75	-3.64	124.10		
24/08/88	11:09:00	27.150	960.11	-2.64	122.75		
24/08/88	11:10:00	27.167	957.89	-2.22	121.72		
24/08/88	11:11:00	27.183	956.14	-1.75	120.94		
24/08/88	11:12:00	27.200	954.63	-1.51	120.31		
24/08/88	11:13:00	27.217	953.27	-1.36	119.80		
24/08/88	11:14:00	27.233	952.21	-1.06	119.40		
24/08/88	11:15:00	27.250	949.19	-3.02	119.06		
24/08/88	11:16:00	27.267	950.03	.85	118.78		
24/08/88	11:22:00	27.367	947.69	0.00	117.82		
24/08/88	11:23:00	27.383	947.53	-.16	117.78		
24/08/88	11:24:00	27.400	947.36	-.16	117.66		
24/08/88	11:25:00	27.417	947.19	-.17	117.58		
24/08/88	11:26:00	27.433	947.03	-.16	117.50		
24/08/88	11:27:00	27.450	946.87	-.16	117.43		
24/08/88	11:28:00	27.467	946.79	-.08	117.38		
24/08/88	11:29:00	27.483	946.70	-.09	117.33		
24/08/88	11:30:00	27.500	946.63	-.07	117.27		
24/08/88	11:31:00	27.517	946.55	-.08	117.23		
24/08/88	11:32:00	27.533	946.46	-.09	117.18		
24/08/88	11:33:00	27.550	946.38	-.08	117.14		
24/08/88	11:34:00	27.567	946.33	-.05	117.11		
24/08/88	11:35:00	27.583	946.29	-.04	117.07		
24/08/88	11:36:00	27.600	946.27	-.01	117.04		
24/08/88	11:37:00	27.617	946.23	-.04	117.01		
24/08/88	11:38:00	27.633	946.14	-.09	116.96		P.O.H.
24/08/88	11:47:00	27.783	710.93	-235.21	95.36		AT SURFACE
24/08/88	11:48:00	27.800	701.25	-9.68	92.27		
24/08/88	11:49:00	27.817	692.79	-8.46	89.76		
24/08/88	11:50:00	27.833	684.42	-8.37	87.71		
24/08/88	11:51:00	27.850	676.93	-7.48	86.08		
24/08/88	11:52:00	27.867	670.54	-6.39	84.76		
24/08/88	11:53:00	27.883	664.43	-6.11	83.75		
24/08/88	11:54:00	27.900	659.48	-4.95	82.93		
24/08/88	11:55:00	27.917	655.34	-4.14	82.24		
24/08/88	11:56:00	27.933	651.76	-3.58	81.69		
24/08/88	11:57:00	27.950	648.25	-3.51	81.22		
24/08/88	11:58:00	27.967	645.36	-2.89	80.86		
24/08/88	11:59:00	27.983	642.77	-2.59	80.58		
24/08/88	12:00:00	28.000	640.68	-2.08	80.36	624	(4302 KPA)
24/08/88	12:01:00	28.017	638.84	-1.84	80.17		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 24/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: SRT / PBU

GAUGE 2 S/N: 0

FORMATION: NAMUR

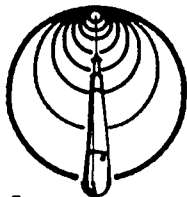
PERFORATIONS: 4488'-4464'KB

GAUGE DEPTH: GRAD

OPERATOR : H.JAMES

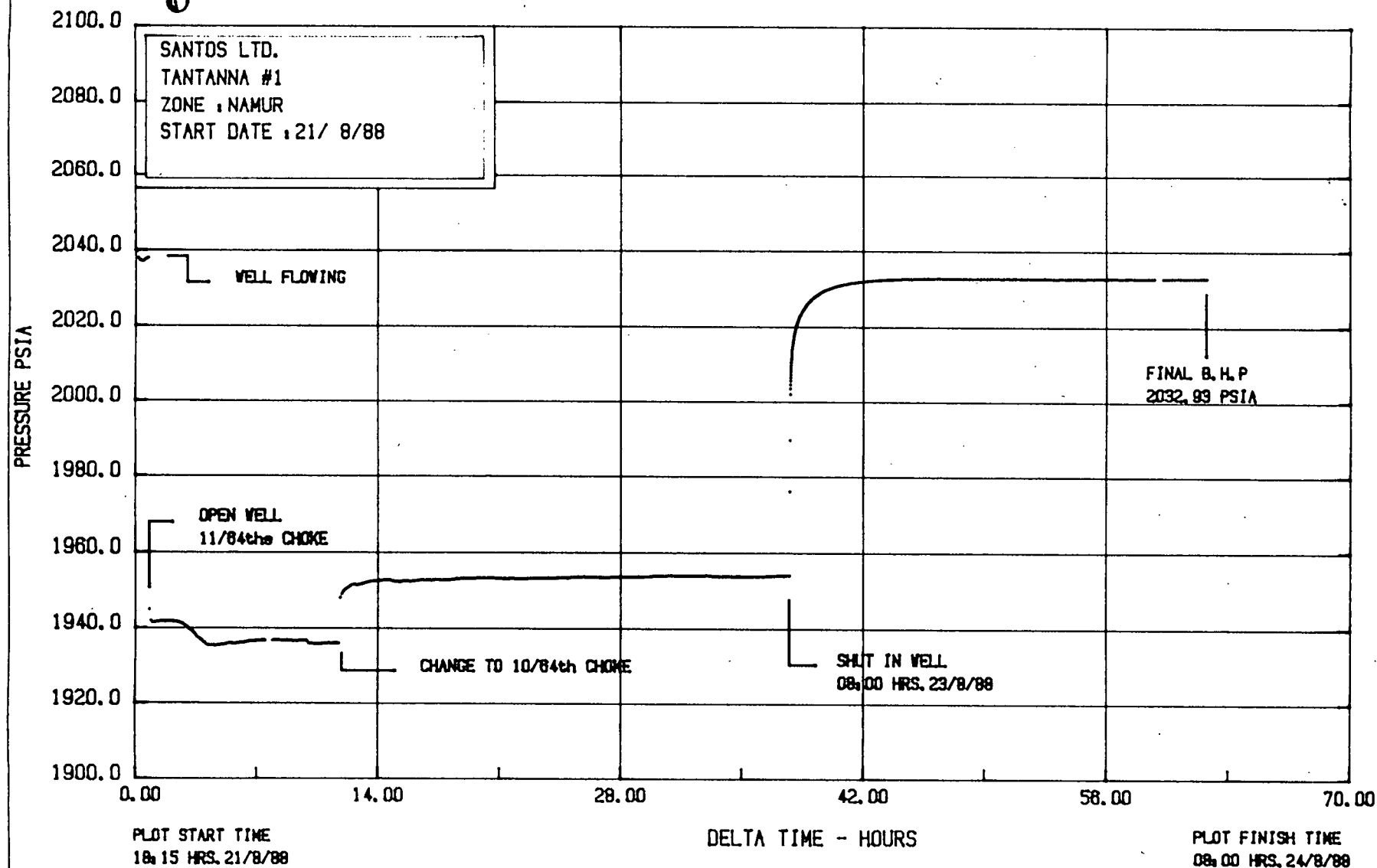
COMMENTS: GRADIENT

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
24/08/88	12:02:00	28.033	637.15	-1.70	80.05		
24/08/88	12:03:00	28.050	635.81	-1.34	79.94		
24/08/88	12:04:00	28.067	634.84	-.96	79.85		
24/08/88	12:05:00	28.083	634.04	-.80	79.77		
24/08/88	12:06:00	28.100	633.29	-.75	79.70		
24/08/88	12:07:00	28.117	632.71	-.58	79.64		
24/08/88	12:08:00	28.133	632.09	-.62	79.60		
24/08/88	12:09:00	28.150	631.53	-.56	79.58		
24/08/88	12:10:00	28.167	630.87	-.66	79.57		
24/08/88	12:11:00	28.183	630.45	-.42	79.59		
24/08/88	12:12:00	28.200	630.02	-.42	79.59		
24/08/88	12:13:00	28.217	629.70	-.32	79.63		
24/08/88	12:14:00	28.233	629.27	-.43	79.67		
24/08/88	12:15:00	28.250	628.96	-.32	79.74		
24/08/88	12:16:00	28.267	628.88	-.08	79.81		
24/08/88	12:17:00	28.283	628.16	-.72	79.86		
24/08/88	12:18:00	28.300	638.45	10.28	79.90		DEPRESSURE LUB.
24/08/88	12:19:00	28.317	31.00	-607.45	79.94		
24/08/88	12:20:00	28.333	20.15	-10.85	79.81		END OF
24/08/88	12:21:00	28.350	17.19	-2.96	79.40		NAMUR SURVEY

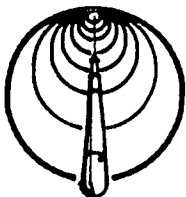


EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

LINEAR PLOT

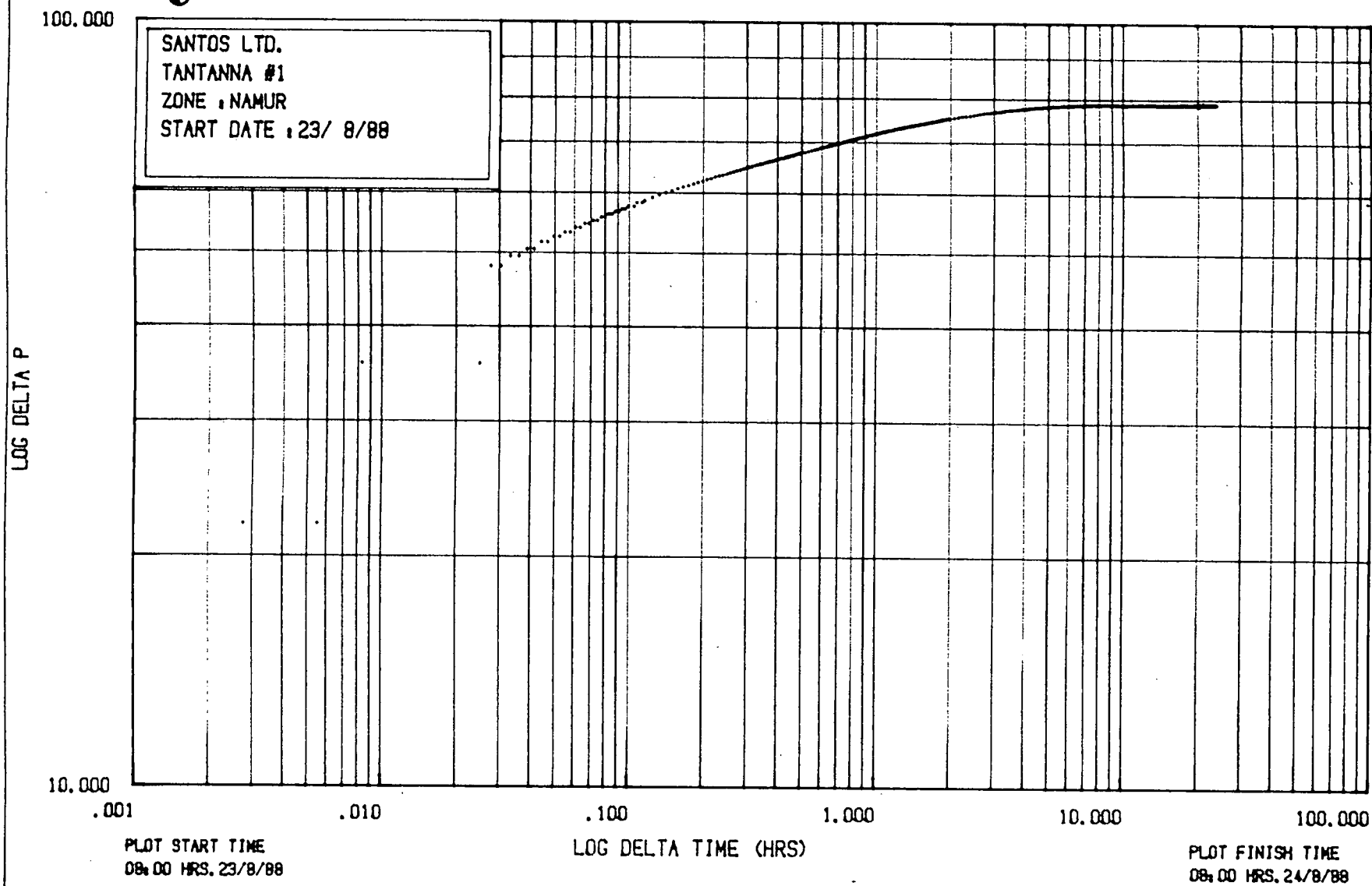


00063

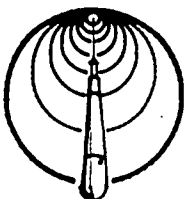


EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

LOG-LOG PLOT

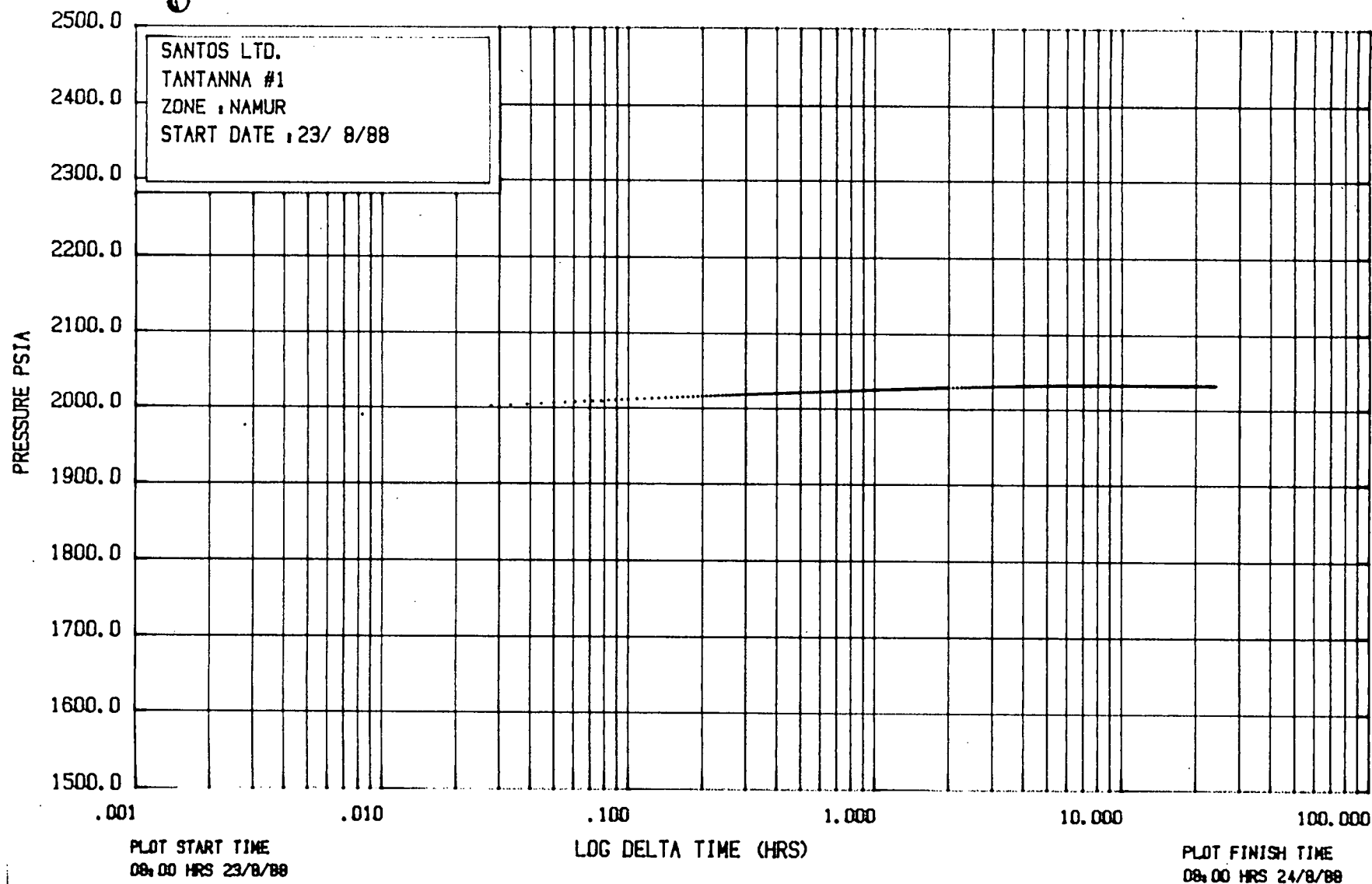


00064

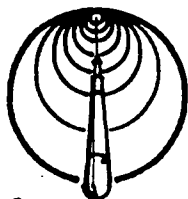


EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

SEMI-LOG PLOT

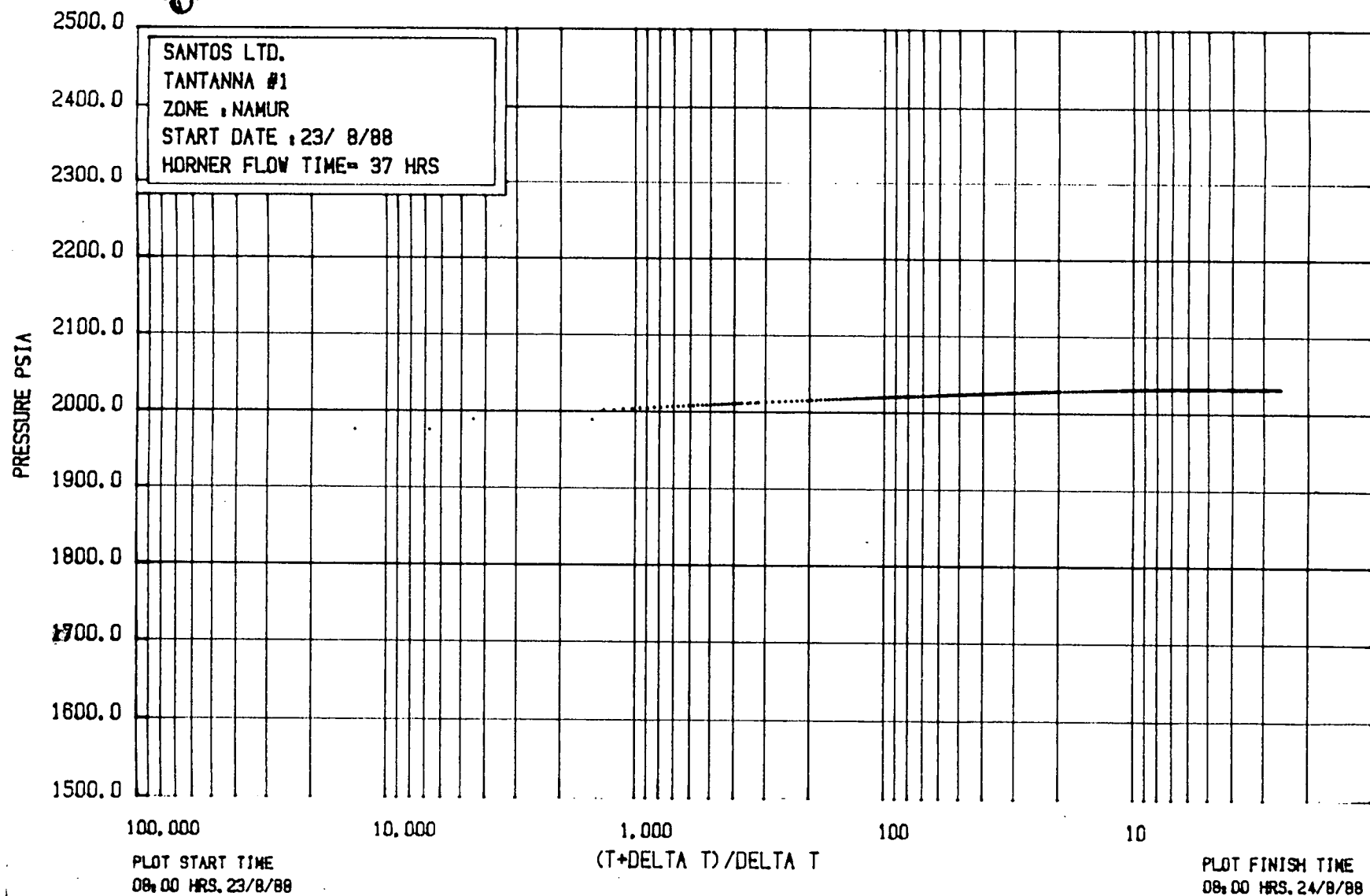


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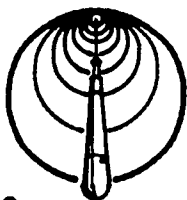


EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

HORNER PLOT

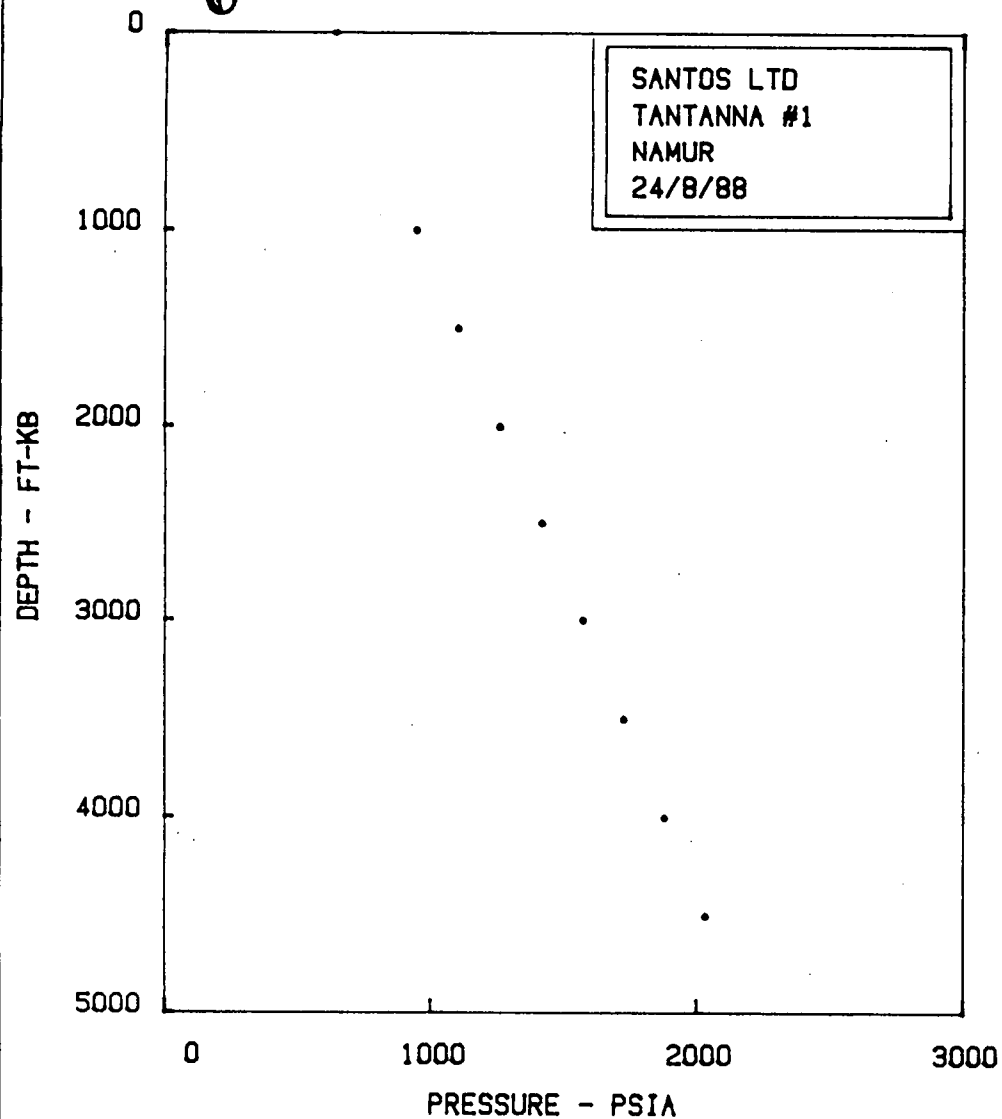


99000



EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

STATIC GRADIENT SURVEY



STOP	TIME	DEPTH ('KB)	PRESSURE (PSIA)	GRADIENT (PSI/FT)
1	800	4500	2032.93	----
2	837	4000	1879.47	0.3089
3	910	3500	1725.30	0.3083
4	940	3000	1571.09	0.3084
5	1004	2500	1418.15	0.3099
6	1030	2000	1260.50	0.3113
7	1103	1500	1103.89	0.3132
8	1138	1000	948.14	0.3155
9	1218	LUB.	838.45	0.3077

GRAD AFTER BUILD UP

DWT OUT -
824 PSI (4302 KPA)
GAUGE OUT -
840 PSIA (4417 KPA)

00067

CLIENT... SANTOS LTD.....			 138 RICHMOND ROAD WARRLETON SA 5033 TELEPHONE (08) 364 0488 TELEFAX 08837183						WELL TANTANNA #1 NAMUR.....					
TANK:- CAPACITY			DATE 21-24.8.88 PAGE No 1.....						OPERATOR H. JAMES					
SCALE														

DATE TIME	ELAPSED TIME HOURS	OIL/CONDENSATE PRODUCTION						WATER PRODUCTION						REMARKS
		METER READG	TANK DIP m3	TANK PROD. m3	FLOWRATE m3 / d	CUM. PROD. m3	OIL CONDENSATE GRAVITY "AP160F"	METER READG	TANK DIP m3	TANK PROD. m3	FLOWRATE m3 / d	CUM. PROD. m3	SALINITY PPM TOTAL	
19.00	0		8.9	0										OPENING DIP
21.00	2		15.9	7	84	7	49.3		1.7	0	0		7	1% SAND
23.00	4		24.3	8.4	100.8	15.4	48.9		"	"	"		15.4	0
22ND. AUGUST 1988														
01.00	6		32.5	8.2	98.4	23.6	48.9		"	"	"		23.6	0
03.00	8		42.0	9.5	114.0	33.1	48.4		"	"	"		33.1	0
05.00	10		50.5	8.5	102.0	41.6	49.1		"	"	"		41.6	0
07.00	12		57.1	6.6	79.2	48.2	49.5		"	"	"		48.2	0
09.00	14		64.0	6.9	82.8	55.1	48.5		"	"	"		55.1	0
11.00	16		70.75	6.75	81.0	61.85	49.2		"	"	"		61.85	1%
13.00	18		77.8	7.05	84.6	68.9	48.8		"	"	"		75.6	0
15.00	20		84.5	6.7	80.4	75.6	49.5		"	"	"		81.6	0.5
17.00	22		90.8	6.3	75.6	81.6	49.2		"	"	"			
			EQUALIZING STORAGE TANKS											
19.00	24		123.9	7.2	86.4	88.6	48.6		"	"	"		88.6	0
21.00	26		130.2	6.3	75.6	94.9	48.8		"	"	"		94.9	0
23.00	28		137.0	6.8	81.6	101.7	48.8		"	"	"		101.7	1%
23RD. AUGUST 1988														
01.00	30		143.4	7.4	88.8	109.1	48.8		"	"	"		109.1	0
03.00	32		150.3	6.9	82.8	116.0	48.8		"	"	"		116.0	0

[illegible]

TANTANNA #1 MIDDLE (HUTTON)SUMMARY OF SINGLE RATE TEST & BUILD-UP SURVEY24TH - 28TH AUGUST 1988Static Reservoir Pressure

Mid Point of Perforations = 5375' KB (1638.3m KB)

24/8/88: Ran static pressure gradient as running in hole.
 Pressure @ hang depth (4620' KB) = 14792 kPa.
 Pressure extrapolated to MPP = 16502 kPa.
 Shut in bottomhole temperature @ 4620' KB = 201° F (94° C).

Single Rate Test

25th - 26th August

25/8/88: Opened well on 11/64" choke @ 0700 hours.
 Increased choke to 12/64" @ 1000 hours.
 Cut choke to 11.5/64" @ 1200 hours.
 Flowed well on 11.5/64" choke for 26 hours.

F.T.H.P. (Final)	=	4165	kPa
Oil Production	=	74.031	m ³ /d
Water Production	=	NIL	m ³ /d
Flowing Bottomhole Pressure (@ 4620' KB)	=	14630	kPa
Flowing Bottomhole Temperature	=	97°	C

26/8/88: Shut well in @ 1400 hours.

Build-Up Survey

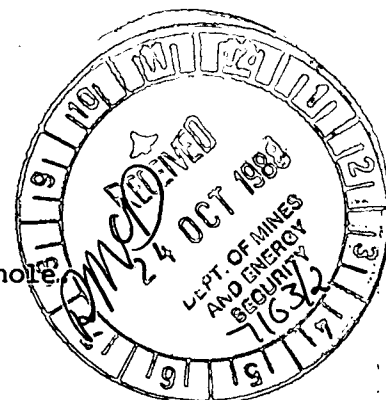
26th - 28th August

26/8/88: Shut well in @ 1400 hours for 42 hours build-up.
 Pressure @ 4620' KB after 42 hours build-up = 14795 kPa.
 Shut in bottomhole temperature = 94° C.

Static Reservoir Pressure

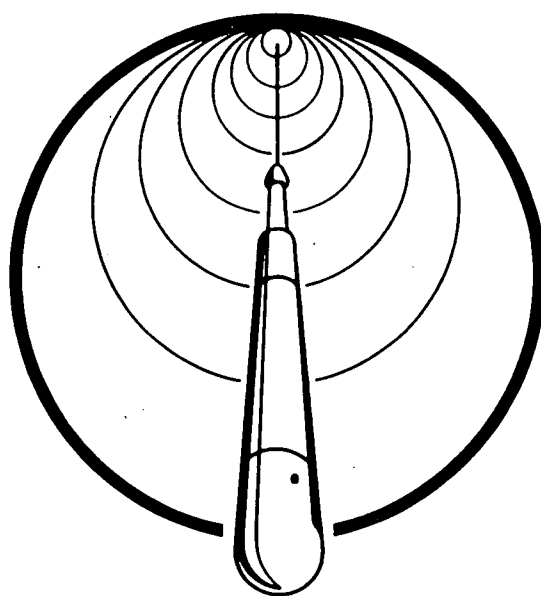
Mid Point of Perforations = 5375' KB (1638.3m KB)

28/8/88: Ran static pressure gradient as pulling out of hole.
 Pressure extrapolated to MPP = 16492 kPa.



EXPERTEST

ELECTRIC WIRELINE
SERVICE



Electronic BHP/BHT Survey

Customer: .. SANTOS LTD
Location: ... TANTANNA #1
Formation: .. HUTTON
Date: 24th to 28th AUGUST 1988

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 24/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: GRAD.

OPERATOR : H.JAMES

COMMENTS: GRADIENT

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
24/08/88	15:40:00	.167	8.40	0.00	82.54		START SURVEY
24/08/88	15:41:00	.183	628.51	620.11	82.64		PRESSURE UP LUB
24/08/88	15:42:00	.200	630.21	1.70	82.70		
24/08/88	15:43:00	.217	630.78	.57	82.71		
24/08/88	15:44:00	.233	630.45	-.33	82.71		
24/08/88	15:45:00	.250	630.46	.03	82.73		
24/08/88	15:46:00	.267	630.78	.30	82.76		
24/08/88	15:47:00	.283	631.19	.41	82.76		
24/08/88	15:48:00	.300	631.58	.39	82.74		
24/08/88	15:49:00	.317	631.82	.24	82.72		
24/08/88	15:50:00	.333	631.87	.05	82.68		
24/08/88	15:51:00	.350	631.95	.08	82.67		
24/08/88	15:52:00	.367	631.90	-.06	82.66		
24/08/88	15:53:00	.383	631.88	-.02	82.65		
24/08/88	15:54:00	.400	631.96	.08	82.62		
24/08/88	15:55:00	.417	632.09	.13	82.62		
24/08/88	15:56:00	.433	632.00	-.08	82.60		
24/08/88	15:57:00	.450	632.05	.05	82.58		
24/08/88	15:58:00	.467	631.99	-.06	82.57		
24/08/88	15:59:00	.483	632.08	.09	82.54		
24/08/88	16:00:00	.500	632.20	.12	82.52		
24/08/88	16:01:00	.517	632.16	-.03	82.50		
24/08/88	16:02:00	.533	632.06	-.10	82.47		
24/08/88	16:03:00	.550	631.97	-.09	82.45		
24/08/88	16:04:00	.567	631.85	-.12	82.43		
24/08/88	16:05:00	.583	631.68	-.16	82.42		
24/08/88	16:06:00	.600	631.57	-.12	82.43		
24/08/88	16:07:00	.617	631.83	.26	82.44		
24/08/88	16:08:00	.633	631.33	-.50	82.45		
24/08/88	16:09:00	.650	631.30	-.02	82.47		
24/08/88	16:10:00	.667	631.35	.05	82.48	625	R.I.H.FOR GRADIENT (4309 KPA)
24/08/88	16:20:00	.833	894.66	263.31	100.54		1st STOP @ 1000'KB
24/08/88	16:21:00	.850	908.12	13.46	103.64		
24/08/88	16:22:00	.867	920.20	12.08	105.94		
24/08/88	16:23:00	.883	929.03	8.82	107.75		
24/08/88	16:24:00	.900	934.65	5.62	109.16		
24/08/88	16:25:00	.917	939.61	4.96	110.31		
24/08/88	16:26:00	.933	943.60	3.99	111.25		
24/08/88	16:27:00	.950	946.90	3.30	112.03		
24/08/88	16:28:00	.967	949.16	2.26	112.67		
24/08/88	16:29:00	.983	951.90	2.74	113.22		
24/08/88	16:30:00	1.000	953.79	1.89	113.68		
24/08/88	16:31:00	1.017	955.63	1.84	114.07		
24/08/88	16:32:00	1.033	956.69	1.06	114.39		
24/08/88	16:33:00	1.050	958.89	2.20	114.68		
24/08/88	16:34:00	1.067	958.73	-.16	114.91		
24/08/88	16:35:00	1.083	959.50	.77	115.12		
24/08/88	16:36:00	1.100	960.15	.66	115.29		
24/08/88	16:37:00	1.117	960.67	.52	115.44		
24/08/88	16:38:00	1.133	961.18	.51	115.58		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD. DATE: 24/08/88
 LOCATION : TANTANNA #1 TEST: S.R.T./P.B.U.
 FORMATION: HUTTON PERFORATIONS: 5369'-5380'KB
 OPERATOR : H.JAMES COMMENTS: GRADIENT

GAUGE 1 S/N: 599
 GAUGE 2 S/N: 0
 GAUGE DEPTH: GRAD.

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
24/08/88	16:39:00	1.150	961.53	.36	115.68		
24/08/88	16:40:00	1.167	961.92	.39	115.78		
24/08/88	16:41:00	1.183	962.18	.26	115.85		
24/08/88	16:42:00	1.200	962.47	.29	115.93		
24/08/88	16:43:00	1.217	962.74	.27	115.98		
24/08/88	16:44:00	1.233	962.85	.11	116.03		
24/08/88	16:45:00	1.250	962.96	.12	116.08		
24/08/88	16:46:00	1.267	963.06	.10	116.11		
24/08/88	16:47:00	1.283	963.16	.10	116.15		
24/08/88	16:48:00	1.300	963.25	.08	116.18		
24/08/88	16:49:00	1.317	963.33	.08	116.20		
24/08/88	16:50:00	1.333	963.41	.08	116.22		
24/08/88	16:51:00	1.350	963.44	.03	116.24		
24/08/88	16:52:00	1.367	963.49	.06	116.25		
24/08/88	16:53:00	1.383	963.51	.02	116.27		
24/08/88	16:54:00	1.400	963.54	.03	116.27		
24/08/88	17:02:00	1.533	1276.78	313.24	129.27		R.I.H.
24/08/88	17:03:00	1.550	1281.82	5.04	131.31		2nd STOP @ 2000'KB
24/08/88	17:04:00	1.567	1285.21	3.40	132.86		
24/08/88	17:05:00	1.583	1287.73	2.51	134.08		
24/08/88	17:06:00	1.600	1289.59	1.87	135.03		
24/08/88	17:07:00	1.617	1291.39	1.80	135.80		
24/08/88	17:08:00	1.633	1292.14	.75	136.42		
24/08/88	17:09:00	1.650	1293.03	.88	136.93		
24/08/88	17:30:00	2.000	1296.94	3.91	139.68		
24/08/88	17:31:00	2.017	1296.76	-.17	139.69		
24/08/88	17:32:00	2.033	1296.57	-.19	139.69		
24/08/88	17:33:00	2.050	1296.71	.14	139.70		
24/08/88	17:34:00	2.067	1296.77	.06	139.72		
24/08/88	17:35:00	2.083	1296.70	-.07	139.74		
24/08/88	17:36:00	2.100	1296.77	.08	139.74		
24/08/88	17:37:00	2.117	1296.78	.01	139.75		
24/08/88	17:38:00	2.133	1296.74	-.04	139.76		
24/08/88	17:43:00	2.217	1457.79	161.05	145.24		R.I.H.
24/08/88	17:44:00	2.233	1459.79	2.00	146.73		3rd STOP @ 2500'KB
24/08/88	17:45:00	2.250	1460.75	.95	147.86		
24/08/88	17:46:00	2.267	1461.32	.57	148.76		
24/08/88	17:47:00	2.283	1461.75	.44	149.49		
24/08/88	17:48:00	2.300	1462.04	.28	150.09		
24/08/88	17:49:00	2.317	1462.50	.47	150.59		
24/08/88	17:50:00	2.333	1462.29	-.21	151.01		
24/08/88	17:51:00	2.350	1462.46	.17	151.35		
24/08/88	17:52:00	2.367	1462.43	-.03	151.65		
24/08/88	17:53:00	2.383	1462.44	.01	151.90		
24/08/88	17:54:00	2.400	1462.43	-.01	152.11		
24/08/88	17:55:00	2.417	1462.47	.04	152.29		
24/08/88	17:56:00	2.433	1462.59	.13	152.44		
24/08/88	17:57:00	2.450	1462.47	-.12	152.58		
24/08/88	17:58:00	2.467	1462.47	-.00	152.69		
24/08/88	18:03:00	2.550	1623.02	160.55	156.13		R.I.H.
24/08/88	18:04:00	2.567	1631.10	8.08	158.11		4th STOP @ 3000'KB

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 24/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: GRAD.

OPERATOR : H.JAMES

COMMENTS: GRADIENT

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
24/08/88	18:05:00	2.583	1632.27	1.17	159.56		
24/08/88	18:06:00	2.600	1632.21	-.07	160.67		
24/08/88	18:07:00	2.617	1631.89	-.32	161.53		
24/08/88	18:08:00	2.633	1631.49	-.40	162.22		
24/08/88	18:09:00	2.650	1631.01	-.47	162.76		
24/08/88	18:10:00	2.667	1630.60	-.41	163.20		
24/08/88	18:11:00	2.683	1630.19	-.41	163.58		
24/08/88	18:12:00	2.700	1629.63	-.56	163.88		
24/08/88	18:13:00	2.717	1629.67	.04	164.13		
24/08/88	18:14:00	2.733	1629.17	-.50	164.36		
24/08/88	18:15:00	2.750	1629.12	-.06	164.54		
24/08/88	18:16:00	2.767	1628.84	-.28	164.70		
24/08/88	18:17:00	2.783	1628.74	-.10	164.84		
24/08/88	18:18:00	2.800	1628.62	-.12	164.96		
24/08/88	18:19:00	2.817	1628.45	-.17	165.06		
24/08/88	18:20:00	2.833	1628.38	-.07	165.15		
24/08/88	18:21:00	2.850	1628.28	-.09	165.23		
24/08/88	18:22:00	2.867	1628.61	.33	165.30		
24/08/88	18:23:00	2.883	1627.88	-.73	165.36		
24/08/88	18:24:00	2.900	1629.11	1.23	165.41		
24/08/88	18:25:00	2.917	1628.01	-1.10	165.43		
24/08/88	18:26:00	2.933	1627.94	-.07	165.47		
24/08/88	18:27:00	2.950	1627.86	-.08	165.49		
24/08/88	18:28:00	2.967	1627.87	.01	165.52		
24/08/88	18:29:00	2.983	1627.83	-.04	165.54		
24/08/88	18:30:00	3.000	1627.86	.04	165.56		
24/08/88	18:35:00	3.083	1803.93	176.07	170.86		R.I.H.
24/08/88	18:36:00	3.100	1804.04	.11	172.30		5th STOP @ 3500'KB
24/08/88	18:37:00	3.117	1802.79	-1.25	173.39		
24/08/88	18:38:00	3.133	1801.47	-1.31	174.24		
24/08/88	18:39:00	3.150	1800.54	-.93	174.92		
24/08/88	18:40:00	3.167	1799.57	-.97	175.46		
24/08/88	18:41:00	3.183	1798.66	-.91	175.90		
24/08/88	18:42:00	3.200	1797.41	-1.26	176.25		
24/08/88	18:43:00	3.217	1796.63	-.78	176.55		
24/08/88	18:44:00	3.233	1796.02	-.61	176.80		
24/08/88	18:45:00	3.250	1795.54	-.47	177.02		
24/08/88	18:46:00	3.267	1795.10	-.44	177.21		
24/08/88	18:47:00	3.283	1794.74	-.36	177.38		
24/08/88	18:48:00	3.300	1794.47	-.27	177.53		
24/08/88	18:49:00	3.317	1794.14	-.33	177.65		
24/08/88	18:50:00	3.333	1793.90	-.24	177.76		
24/08/88	18:51:00	3.350	1793.62	-.28	177.86		
24/08/88	18:52:00	3.367	1793.44	-.18	177.94		
24/08/88	18:53:00	3.383	1793.31	-.13	178.01		
24/08/88	18:54:00	3.400	1793.14	-.17	178.07		
24/08/88	18:55:00	3.417	1793.48	.34	178.13		
24/08/88	18:56:00	3.433	1792.89	-.59	178.17		
24/08/88	18:57:00	3.450	1792.80	-.09	178.22		
24/08/88	18:58:00	3.467	1792.69	-.11	178.25		
24/08/88	18:59:00	3.483	1792.61	-.08	178.28		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 24/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: GRAD.

OPERATOR : H. JAMES

COMMENTS: GRADIENT

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
24/08/88	19:00:00	3.500	1792.55	- .06	178.30		R.I.H.
24/08/88	19:07:00	3.617	1974.35	181.80	184.40		6th STOP @ 4000'KB
24/08/88	19:08:00	3.633	1972.41	-1.95	185.52		
24/08/88	19:09:00	3.650	1970.33	-2.08	186.38		
24/08/88	19:10:00	3.667	1967.93	-2.39	187.05		
24/08/88	19:11:00	3.683	1966.13	-1.80	187.57		
24/08/88	19:12:00	3.700	1964.56	-1.57	188.00		
24/08/88	19:13:00	3.717	1963.30	-1.26	188.36		
24/08/88	19:14:00	3.733	1962.25	-1.05	188.65		
24/08/88	19:15:00	3.750	1961.76	- .48	188.90		
24/08/88	19:16:00	3.767	1960.84	- .92	189.11		
24/08/88	19:17:00	3.783	1960.21	- .64	189.28		
24/08/88	19:18:00	3.800	1959.34	- .87	189.43		
24/08/88	19:19:00	3.817	1958.90	- .43	189.56		
24/08/88	19:20:00	3.833	1958.55	- .36	189.67		
24/08/88	19:21:00	3.850	1958.11	- .44	189.77		
24/08/88	19:22:00	3.867	1957.86	- .25	189.85		
24/08/88	19:23:00	3.883	1957.59	- .27	189.92		
24/08/88	19:24:00	3.900	1957.79	.21	189.98		
24/08/88	19:25:00	3.917	1957.62	- .18	190.04		
24/08/88	19:26:00	3.933	1957.30	- .31	190.08		
24/08/88	19:27:00	3.950	1956.96	- .34	190.12		
24/08/88	19:28:00	3.967	1956.73	- .23	190.16		
24/08/88	19:29:00	3.983	1956.65	- .08	190.19		
24/08/88	19:30:00	4.000	1956.62	- .03	190.21		
24/08/88	19:31:00	4.017	1956.56	- .06	190.23		
24/08/88	19:32:00	4.033	1956.58	.02	190.25		
24/08/88	19:33:00	4.050	1956.88	.30	190.27		
24/08/88	19:34:00	4.067	1956.71	- .17	190.29		
24/08/88	19:35:00	4.083	1956.46	- .25	190.30		
24/08/88	19:36:00	4.100	1956.47	.01	190.31		
24/08/88	19:37:00	4.117	1956.26	- .21	190.31		R.I.H.
24/08/88	19:48:00	4.300	2172.86	0.00	198.68		HANG OFF @ 4620'KB
24/08/88	19:49:00	4.317	2170.53	-2.34	199.10		
24/08/88	19:50:00	4.333	2168.56	-1.97	199.43		MONITOR B.H.P.
24/08/88	19:51:00	4.350	2166.93	-1.63	199.70		
24/08/88	19:52:00	4.367	2165.54	-1.39	199.91		
24/08/88	19:53:00	4.383	2164.48	-1.05	200.09		
24/08/88	19:54:00	4.400	2163.58	- .90	200.24		
24/08/88	19:55:00	4.417	2162.79	- .79	200.37		
24/08/88	19:56:00	4.433	2162.24	- .56	200.47		
24/08/88	19:57:00	4.450	2161.72	- .52	200.55		
24/08/88	19:58:00	4.467	2161.27	- .45	200.62		
24/08/88	19:59:00	4.483	2160.96	- .31	200.68		
24/08/88	20:00:00	4.500	2160.72	- .24	200.73		
24/08/88	20:05:00	4.583	2159.89	- .83	200.94		
24/08/88	20:10:00	4.667	2159.53	- .36	201.03		
24/08/88	20:15:00	4.750	2159.37	- .16	201.07		
24/08/88	20:20:00	4.833	2159.38	.01	201.09		
24/08/88	20:25:00	4.917	2159.35	- .03	201.09		
24/08/88	20:30:00	5.000	2159.38	.03	201.09		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 24/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H.JAMES

COMMENTS: MONITOR B.H.P.

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
24/08/88	20:35:00	5.083	2159.45	0.00	201.08		
24/08/88	20:40:00	5.167	2159.49	.04	201.07		
24/08/88	20:45:00	5.250	2159.49	.00	201.06		
24/08/88	20:50:00	5.333	2159.53	.04	201.06		
24/08/88	20:55:00	5.417	2159.55	.02	201.06		
24/08/88	21:00:00	5.500	2159.60	.06	201.05		
24/08/88	21:05:00	5.583	2159.61	.01	201.05		
24/08/88	21:10:00	5.667	2159.69	.08	201.04		
24/08/88	21:15:00	5.750	2159.72	.03	201.04		
24/08/88	21:20:00	5.833	2159.72	.00	201.04		
24/08/88	21:25:00	5.917	2159.79	.07	201.03		
24/08/88	21:30:00	6.000	2159.83	.04	201.03		
24/08/88	21:35:00	6.083	2159.86	.03	201.03		
24/08/88	21:40:00	6.167	2159.89	.04	201.03		
24/08/88	21:45:00	6.250	2159.91	.02	201.02		
24/08/88	21:50:00	6.333	2159.95	.04	201.03		
24/08/88	21:55:00	6.417	2159.95	.00	201.03		
24/08/88	22:00:00	6.500	2159.96	.01	201.02		
24/08/88	22:30:00	7.000	2160.21	.25	201.04		30 MIN SAMPLE RATE
24/08/88	23:00:00	7.500	2160.33	.12	201.04		
24/08/88	23:30:00	8.000	2160.44	.12	201.04		
25/08/88	00:00:00	8.500	2160.44	.00	201.03		
25/08/88	00:30:00	9.000	2160.54	.10	201.02		
25/08/88	01:00:00	9.500	2160.50	-.04	201.02		
25/08/88	01:30:00	10.000	2160.50	-.00	201.02		
25/08/88	02:00:00	10.500	2160.51	.01	201.01		
25/08/88	02:30:00	11.000	2160.56	.05	201.01		
25/08/88	03:00:00	11.500	2160.56	.00	201.01		
25/08/88	03:30:00	12.000	2160.54	-.02	201.01		
25/08/88	04:00:00	12.500	2160.55	.01	201.01		
25/08/88	04:30:00	13.000	2160.54	-.01	201.02		
25/08/88	05:00:00	13.500	2160.54	.00	201.01		
25/08/88	05:30:00	14.000	2160.50	-.04	201.01		
25/08/88	06:00:00	14.500	2160.48	-.03	201.00	625	(4309 KPA)
25/08/88	06:30:00	15.000	2160.47	-.01	201.00		CSG = 4500 KPA
25/08/88	07:00:00	0.000	2160.47	0.00	200.99		FLOW WELL ON
25/08/88	07:05:00	.083	2144.44	-16.03	201.23		11/64ths CHOKE
25/08/88	07:10:00	.167	2140.95	-3.49	201.59		
25/08/88	07:15:00	.250	2139.69	-1.26	201.82		
25/08/88	07:20:00	.333	2140.01	.32	202.04		
25/08/88	07:25:00	.417	2139.95	-.06	202.28		
25/08/88	07:30:00	.500	2140.39	.44	202.49		
25/08/88	07:35:00	.583	2140.67	.28	202.66		
25/08/88	07:40:00	.667	2140.99	.32	202.81		
25/08/88	07:45:00	.750	2139.14	-1.85	202.96		
25/08/88	07:50:00	.833	2138.81	-.33	203.10		
25/08/88	07:55:00	.917	2140.18	1.37	203.26		
25/08/88	08:00:00	1.000	2140.00	-.18	203.39		
25/08/88	08:05:00	1.083	2140.34	.33	203.48		
25/08/88	08:10:00	1.167	2140.06	-.27	203.55		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 25/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H.JAMES

COMMENTS: FLOW WELL

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
25/08/88	08:15:00	1.250	2140.52	.46	203.66		
25/08/88	08:20:00	1.333	2140.27	-.26	203.75		
25/08/88	08:25:00	1.417	2140.32	.05	203.83		
25/08/88	08:30:00	1.500	2140.45	.13	203.94		
25/08/88	08:35:00	1.583	2140.41	-.04	204.02		
25/08/88	08:40:00	1.667	2140.35	-.06	204.09		
25/08/88	08:45:00	1.750	2140.39	.04	204.17		
25/08/88	08:50:00	1.833	2140.53	.13	204.23		
25/08/88	08:55:00	1.917	2140.48	-.05	204.27		
25/08/88	09:00:00	2.000	2140.59	.11	204.34	605	(4171 KPA)
25/08/88	09:05:00	2.083	2140.31	-.28	204.39		
25/08/88	09:10:00	2.167	2140.40	.09	204.44		
25/08/88	09:15:00	2.250	2141.38	.98	204.49		
25/08/88	09:20:00	2.333	2141.09	-.29	204.52		
25/08/88	09:25:00	2.417	2141.91	.82	204.57		
25/08/88	09:30:00	2.500	2141.98	.07	204.58		
25/08/88	09:35:00	2.583	2142.17	.19	204.61		
25/08/88	09:40:00	2.667	2142.26	.10	204.62		
25/08/88	09:45:00	2.750	2142.40	.13	204.65		
25/08/88	09:50:00	2.833	2142.33	-.07	204.64		
25/08/88	09:55:00	2.917	2142.38	.05	204.67		
25/08/88	10:00:00	3.000	2142.46	.09	204.71		CHANGE TO 12/64ths
25/08/88	10:05:00	3.083	2123.25	-19.21	204.74		
25/08/88	10:10:00	3.167	2126.43	3.18	204.92		
25/08/88	10:15:00	3.250	2130.95	4.53	205.09		
25/08/88	10:20:00	3.333	2131.20	.25	205.21		
25/08/88	10:25:00	3.417	2132.67	1.47	205.31		
25/08/88	10:30:00	3.500	2133.41	.74	205.38		
25/08/88	10:35:00	3.583	2133.46	.05	205.44		
25/08/88	10:40:00	3.667	2133.60	.14	205.49		
25/08/88	10:45:00	3.750	2134.54	.94	205.55		
25/08/88	10:50:00	3.833	2135.01	.47	205.59		
25/08/88	10:55:00	3.917	2135.26	.25	205.62		
25/08/88	11:00:00	4.000	2135.73	.46	205.63	599	(4130 KPA)
25/08/88	11:05:00	4.083	2136.35	.63	205.67		CSG = 4500 KPA
25/08/88	11:10:00	4.167	2136.40	.05	205.68		
25/08/88	11:15:00	4.250	2136.70	.30	205.70		
25/08/88	11:20:00	4.333	2136.72	.02	205.70		
25/08/88	11:25:00	4.417	2136.77	.05	205.70		
25/08/88	11:30:00	4.500	2137.63	.86	205.70		
25/08/88	11:35:00	4.583	2137.49	-.13	205.70		
25/08/88	11:40:00	4.667	2137.43	-.06	205.70		
25/08/88	11:45:00	4.750	2137.77	.34	205.70		
25/08/88	11:50:00	4.833	2137.40	-.37	205.68		
25/08/88	11:55:00	4.917	2137.62	.21	205.67		
25/08/88	12:00:00	5.000	2136.80	-.82	205.67		
25/08/88	12:05:00	5.083	2136.84	.05	205.69		
25/08/88	12:10:00	5.167	2136.80	-.05	205.70		
25/08/88	12:15:00	5.250	2123.18	-13.62	205.72		
25/08/88	12:20:00	5.333	2124.11	.93	205.83		
25/08/88	12:25:00	5.417	2125.62	1.51	205.94		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 25/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H.JAMES

COMMENTS: FLOW WELL

11.5/64th CHOKE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
25/08/88	12:30:00	5.500	2127.72	0.00	206.04		
25/08/88	12:35:00	5.583	2129.71	1.99	206.11		
25/08/88	12:40:00	5.667	2130.12	.40	206.15		
25/08/88	12:45:00	5.750	2130.43	.32	206.18		
25/08/88	12:50:00	5.833	2130.39	-.05	206.21		
25/08/88	12:55:00	5.917	2131.03	.65	206.23		
25/08/88	13:00:00	6.000	2131.74	.70	206.24	595	(4102 KPA)
25/08/88	13:05:00	6.083	2131.74	.01	206.25		CSG = 4500 KPA
25/08/88	13:10:00	6.167	2131.81	.07	206.26		CHANGE TO 11.5/64ths
25/08/88	13:15:00	6.250	2131.67	-.14	206.26		
25/08/88	13:20:00	6.333	2131.69	.03	206.30		
25/08/88	13:25:00	6.417	2131.88	.18	206.32		
25/08/88	13:30:00	6.500	2131.77	-.11	206.32		
25/08/88	13:35:00	6.583	2131.77	-.00	206.33		
25/08/88	13:40:00	6.667	2131.66	-.11	206.35		
25/08/88	13:45:00	6.750	2131.68	.02	206.36		
25/08/88	13:50:00	6.833	2131.57	-.12	206.37		
25/08/88	13:55:00	6.917	2131.56	-.01	206.38		
25/08/88	14:00:00	7.000	2131.67	.12	206.39		
25/08/88	14:05:00	7.083	2131.66	-.01	206.38		
25/08/88	14:10:00	7.167	2131.81	.14	206.39		
25/08/88	14:15:00	7.250	2131.98	.17	206.41		
25/08/88	14:20:00	7.333	2132.22	.24	206.43		
25/08/88	14:25:00	7.417	2132.36	.14	206.45		
25/08/88	14:30:00	7.500	2132.57	.20	206.47		
25/08/88	14:35:00	7.583	2132.46	-.11	206.47		
25/08/88	14:40:00	7.667	2133.26	.80	206.51		
25/08/88	14:45:00	7.750	2132.79	-.47	206.50		
25/08/88	14:50:00	7.833	2132.90	.12	206.49		
25/08/88	14:55:00	7.917	2132.83	-.07	206.51		
25/08/88	15:00:00	8.000	2132.95	.12	206.51	597	(4116 KPA)
25/08/88	15:05:00	8.083	2132.86	-.09	206.53		CSG = 4500 KPA
25/08/88	15:10:00	8.167	2132.93	.07	206.55		
25/08/88	15:15:00	8.250	2133.02	.09	206.55		
25/08/88	15:20:00	8.333	2132.85	-.16	206.55		
25/08/88	15:25:00	8.417	2132.84	-.01	206.56		
25/08/88	15:30:00	8.500	2132.82	-.02	206.58		
25/08/88	15:35:00	8.583	2132.90	.08	206.60		
25/08/88	15:40:00	8.667	2132.86	-.04	206.59		
25/08/88	15:45:00	8.750	2132.99	.13	206.62		
25/08/88	15:50:00	8.833	2132.96	-.03	206.65		
25/08/88	15:55:00	8.917	2132.85	-.12	206.65		
25/08/88	16:00:00	9.000	2132.78	-.07	206.62		
25/08/88	16:05:00	9.083	2132.89	.11	206.63		
25/08/88	16:10:00	9.167	2132.90	.01	206.64		
25/08/88	16:15:00	9.250	2132.90	-.00	206.65		
25/08/88	16:20:00	9.333	2133.35	.45	206.66		
25/08/88	16:25:00	9.417	2133.57	.22	206.69		
25/08/88	16:30:00	9.500	2133.45	-.12	206.71		
25/08/88	16:35:00	9.583	2133.69	.24	206.70		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 25/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H.JAMES

COMMENTS: FLOW WELL

11.5/64th CHOKE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
25/08/88	16:40:00	9.667	2133.59	-.11	206.67		
25/08/88	16:45:00	9.750	2133.72	.14	206.67		
25/08/88	16:50:00	9.833	2133.73	.01	206.67		
25/08/88	16:55:00	9.917	2133.61	.08	206.69		
25/08/88	17:00:00	10.000	2133.74	-.07	206.68	600	(4137 KPA)
25/08/88	17:05:00	10.083	2133.90	.15	206.69		CSG = 4500 KPA
25/08/88	17:10:00	10.167	2133.98	.09	206.69		
25/08/88	17:15:00	10.250	2134.10	.12	206.69		
25/08/88	17:20:00	10.333	2134.37	.27	206.69		
25/08/88	17:25:00	10.417	2134.67	.30	206.69		
25/08/88	17:30:00	10.500	2134.72	.05	206.70		
25/08/88	17:35:00	10.583	2134.82	.11	206.70		
25/08/88	17:40:00	10.667	2134.83	.01	206.70		
25/08/88	17:45:00	10.750	2134.86	.03	206.69		
25/08/88	17:50:00	10.833	2134.82	-.05	206.68		
25/08/88	17:55:00	10.917	2135.05	.23	206.69		
25/08/88	18:00:00	11.000	2135.00	-.05	206.68		
25/08/88	18:05:00	11.083	2135.08	.08	206.68		
25/08/88	18:10:00	11.167	2135.13	.06	206.72		
25/08/88	18:15:00	11.250	2135.07	-.06	206.73		
25/08/88	18:20:00	11.333	2135.10	.03	206.74		
25/08/88	18:25:00	11.417	2135.02	-.09	206.73		
25/08/88	18:30:00	11.500	2134.89	-.12	206.70		
25/08/88	18:35:00	11.583	2135.09	.20	206.70		
25/08/88	18:40:00	11.667	2135.03	-.07	206.69		
25/08/88	18:45:00	11.750	2135.13	.11	206.70		
25/08/88	18:50:00	11.833	2135.18	.05	206.72		
25/08/88	18:55:00	11.917	2135.14	-.04	206.71		
25/08/88	19:00:00	12.000	2135.07	-.07	206.70	601	4143 KPA
25/08/88	19:05:00	12.083	2135.46	.39	206.71		CSG = 4500 KPA
25/08/88	19:10:00	12.167	2135.43	-.03	206.72		
25/08/88	19:15:00	12.250	2135.34	-.10	206.71		
25/08/88	19:20:00	12.333	2135.28	-.06	206.71		
25/08/88	19:25:00	12.417	2135.38	.11	206.72		
25/08/88	19:30:00	12.500	2135.39	.01	206.71		
25/08/88	19:35:00	12.583	2135.37	-.02	206.73		
25/08/88	19:40:00	12.667	2135.32	-.05	206.72		
25/08/88	19:45:00	12.750	2135.42	.10	206.73		
25/08/88	19:50:00	12.833	2135.35	-.07	206.73		
25/08/88	19:55:00	12.917	2135.32	-.04	206.72		
25/08/88	20:00:00	13.000	2135.43	.12	206.72		
25/08/88	20:05:00	13.083	2135.42	-.01	206.73		
25/08/88	20:10:00	13.167	2135.41	-.01	206.74		
25/08/88	20:15:00	13.250	2135.44	.03	206.74		
25/08/88	20:20:00	13.333	2135.30	-.14	206.74		
25/08/88	20:25:00	13.417	2135.28	-.02	206.74		
25/08/88	20:30:00	13.500	2135.40	.13	206.75		
25/08/88	20:35:00	13.583	2135.29	-.12	206.74		
25/08/88	20:40:00	13.667	2135.54	.25	206.76		
25/08/88	20:45:00	13.750	2135.43	-.11	206.75		
25/08/88	20:50:00	13.833	2135.49	.06	206.76		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.
 LOCATION : TANTANNA #1
 FORMATION: HUTTON
 OPERATOR : H.JAMES

DATE: 25/08/88
 TEST: S.R.T./P.B.U.
 PERFORATIONS: 5369'-5380'KB
 COMMENTS: FLOW WELL

GAUGE 1 S/N: 599
 GAUGE 2 S/N: 0
 GAUGE DEPTH: 4620'KB
 11.5/64th CHOKE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
25/08/88	20:55:00	13.917	2135.70	.21	206.77	601	4143 KPA CSG = 4500 KPA
25/08/88	21:00:00	14.000	2135.57	-.13	206.76		
25/08/88	21:05:00	14.083	2135.63	.06	206.76		
25/08/88	21:10:00	14.167	2135.60	-.03	206.77		
25/08/88	21:15:00	14.250	2135.70	.10	206.77		
25/08/88	21:20:00	14.333	2135.76	.06	206.77		
25/08/88	21:25:00	14.417	2135.68	-.08	206.77		
25/08/88	21:30:00	14.500	2139.01	3.33	206.76		
25/08/88	21:35:00	14.583	2135.48	-3.53	206.78		
25/08/88	21:40:00	14.667	2135.48	.00	206.78		
25/08/88	21:45:00	14.750	2135.54	.06	206.78		
25/08/88	21:50:00	14.833	2135.53	-.00	206.79		
25/08/88	21:55:00	14.917	2135.44	-.10	206.78		
25/08/88	22:00:00	15.000	2135.55	.12	206.79		
25/08/88	22:05:00	15.083	2135.68	.13	206.79		
25/08/88	22:10:00	15.167	2135.61	-.07	206.79		
25/08/88	22:15:00	15.250	2135.65	.04	206.79		
25/08/88	22:20:00	15.333	2135.74	.09	206.79		
25/08/88	22:25:00	15.417	2135.80	.06	206.79		
25/08/88	22:30:00	15.500	2135.71	-.09	206.79		
25/08/88	22:35:00	15.583	2135.79	.09	206.80		
25/08/88	22:40:00	15.667	2135.72	-.08	206.80		
25/08/88	22:45:00	15.750	2135.89	.17	206.80		
25/08/88	22:50:00	15.833	2135.83	-.06	206.79	601	4143 KPA CSG = 4500 KPA
25/08/88	22:55:00	15.917	2135.87	.04	206.80		
25/08/88	23:00:00	16.000	2135.90	.03	206.80		
25/08/88	23:05:00	16.083	2135.98	.08	206.80		
25/08/88	23:10:00	16.167	2135.91	-.07	206.80		
25/08/88	23:15:00	16.250	2135.88	-.03	206.80		
25/08/88	23:20:00	16.333	2135.88	.00	206.80		
25/08/88	23:25:00	16.417	2135.88	-.00	206.80		
25/08/88	23:30:00	16.500	2135.89	.01	206.81		
25/08/88	23:35:00	16.583	2135.96	.07	206.81		
25/08/88	23:40:00	16.667	2135.92	-.04	206.82		
25/08/88	23:45:00	16.750	2135.86	-.06	206.84		
25/08/88	23:50:00	16.833	2135.84	-.02	206.85		
25/08/88	23:55:00	16.917	2135.79	-.05	206.84		
26/08/88	00:00:00	17.000	2135.91	.12	206.84		
26/08/88	00:05:00	17.083	2135.74	-.17	206.82		
26/08/88	00:10:00	17.167	2135.82	.09	206.81		
26/08/88	00:15:00	17.250	2135.85	.03	206.82		
26/08/88	00:20:00	17.333	2135.76	-.10	206.82		
26/08/88	00:25:00	17.417	2135.84	.09	206.83		
26/08/88	00:30:00	17.500	2135.83	-.01	206.83		
26/08/88	00:35:00	17.583	2135.76	-.07	206.83		
26/08/88	00:40:00	17.667	2135.93	.16	206.86		
26/08/88	00:45:00	17.750	2135.85	-.08	206.87		
26/08/88	00:50:00	17.833	2135.82	-.03	206.88		
26/08/88	00:55:00	17.917	2135.68	-.14	206.86	601	4143 KPA CSG = 4500 KPA
26/08/88	01:00:00	18.000	2135.83	.15	206.86		
26/08/88	01:05:00	18.083	2135.85	.02	206.87		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 26/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H.JAMES

COMMENTS: FLOW WELL

11.5/64th CHOKE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
26/08/88	01:10:00	18.167	2135.59	-.26	206.86		
26/08/88	01:15:00	18.250	2135.82	.23	206.88		
26/08/88	01:20:00	18.333	2135.82	-.00	206.88		
26/08/88	01:25:00	18.417	2135.86	.04	206.88		
26/08/88	01:30:00	18.500	2135.70	-.16	206.86		
26/08/88	01:35:00	18.583	2135.98	.29	206.88		
26/08/88	01:40:00	18.667	2135.75	-.23	206.85		
26/08/88	01:45:00	18.750	2135.77	.02	206.84		
26/08/88	01:50:00	18.833	2135.85	.08	206.85		
26/08/88	01:55:00	18.917	2135.86	.01	206.86		
26/08/88	02:00:00	19.000	2136.51	.65	206.86		
26/08/88	02:05:00	19.083	2136.55	.05	206.86		
26/08/88	02:10:00	19.167	2136.59	.04	206.86		
26/08/88	02:15:00	19.250	2136.67	.08	206.89		
26/08/88	02:20:00	19.333	2136.57	-.10	206.89		
26/08/88	02:25:00	19.417	2136.43	-.14	206.85		
26/08/88	02:30:00	19.500	2136.56	.13	206.87		
26/08/88	02:35:00	19.583	2136.57	.01	206.89		
26/08/88	02:40:00	19.667	2136.56	-.01	206.88		
26/08/88	02:45:00	19.750	2136.51	-.06	206.88		
26/08/88	02:50:00	19.833	2136.44	-.07	206.87		
26/08/88	02:55:00	19.917	2136.60	.16	206.87		
26/08/88	03:00:00	20.000	2136.56	-.04	206.88	600	4137 KPA
26/08/88	03:05:00	20.083	2136.52	-.04	206.89		CSG = 4500 KPA
26/08/88	03:10:00	20.167	2136.35	-.17	206.86		
26/08/88	03:15:00	20.250	2136.48	.13	206.86		
26/08/88	03:20:00	20.333	2136.50	.02	206.85		
26/08/88	03:25:00	20.417	2136.48	-.02	206.85		
26/08/88	03:30:00	20.500	2136.54	.06	206.86		
26/08/88	03:35:00	20.583	2136.44	-.10	206.86		
26/08/88	03:40:00	20.667	2136.47	.03	206.85		
26/08/88	03:45:00	20.750	2136.47	-.00	206.87		
26/08/88	03:50:00	20.833	2136.48	.01	206.87		
26/08/88	03:55:00	20.917	2136.44	-.04	206.88		
26/08/88	04:00:00	21.000	2136.41	-.03	206.87		
26/08/88	04:05:00	21.083	2136.51	.10	206.88		
26/08/88	04:10:00	21.167	2136.44	-.07	206.87		
26/08/88	04:15:00	21.250	2136.41	-.03	206.87		
26/08/88	04:20:00	21.333	2136.39	-.02	206.88		
26/08/88	04:25:00	21.417	2136.49	.10	206.89		
26/08/88	04:30:00	21.500	2136.35	-.13	206.88		
26/08/88	04:35:00	21.583	2136.44	.09	206.88		
26/08/88	04:40:00	21.667	2136.51	.07	206.88		
26/08/88	04:45:00	21.750	2136.37	-.14	206.88		
26/08/88	04:50:00	21.833	2136.45	.08	206.89		
26/08/88	04:55:00	21.917	2136.44	-.01	206.89		
26/08/88	05:00:00	22.000	2136.40	-.04	206.89	600	4137 KPA
26/08/88	05:05:00	22.083	2136.40	-.00	206.89		CSG = 4500 KPA
26/08/88	05:10:00	22.167	2136.52	.13	206.90		
26/08/88	05:15:00	22.250	2136.50	-.03	206.89		
26/08/88	05:20:00	22.333	2136.69	.19	206.89		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 26/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H.JAMES

COMMENTS: FLOW WELL

11.5/64th CHOKE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
26/08/88	05:25:00	22.417	2136.55	-.14	206.89		
26/08/88	05:30:00	22.500	2136.54	-.01	206.90		
26/08/88	05:35:00	22.583	2136.57	.03	206.91		
26/08/88	05:40:00	22.667	2136.50	-.08	206.90		
26/08/88	05:45:00	22.750	2136.55	.06	206.91		
26/08/88	05:50:00	22.833	2136.53	-.02	206.90		
26/08/88	05:55:00	22.917	2136.55	.02	206.91		
26/08/88	06:00:00	23.000	2136.40	-.15	206.91		
26/08/88	06:05:00	23.083	2136.56	.16	206.92		
26/08/88	06:10:00	23.167	2136.52	-.04	206.92		
26/08/88	06:15:00	23.250	2136.43	-.10	206.91		
26/08/88	06:20:00	23.333	2136.77	.35	206.91		
26/08/88	06:25:00	23.417	2136.78	.01	206.92		
26/08/88	06:30:00	23.500	2136.75	-.04	206.92		
26/08/88	06:35:00	23.583	2136.91	.07	206.92		
26/08/88	06:40:00	23.667	2136.82	.01	206.92		
26/08/88	06:45:00	23.750	2136.77	-.05	206.91		
26/08/88	06:50:00	23.833	2136.81	.04	206.92		
26/08/88	06:55:00	23.917	2136.66	-.15	206.91		
26/08/88	07:00:00	24.000	2136.81	.15	206.92	600	4137 KPA
26/08/88	07:05:00	24.083	2136.81	.00	206.92		CSG = 4500 KPA
26/08/88	07:10:00	24.167	2136.76	-.05	206.92		
26/08/88	07:15:00	24.250	2136.81	.05	206.93		
26/08/88	07:20:00	24.333	2136.76	-.05	206.92		
26/08/88	07:25:00	24.417	2136.75	-.02	206.93		
26/08/88	07:30:00	24.500	2136.75	.01	206.93		
26/08/88	07:35:00	24.583	2136.65	-.11	206.93		
26/08/88	07:40:00	24.667	2136.68	.03	206.93		
26/08/88	07:45:00	24.750	2136.74	.07	206.94		
26/08/88	07:50:00	24.833	2136.74	-.01	206.93		
26/08/88	07:55:00	24.917	2136.71	-.03	206.94		
26/08/88	08:00:00	25.000	2136.69	-.02	206.94		
26/08/88	08:05:00	25.083	2136.93	.24	206.95		
26/08/88	08:10:00	25.167	2136.98	.05	206.95		
26/08/88	08:15:00	25.250	2136.70	-.28	206.95		
26/08/88	08:20:00	25.333	2136.81	.12	206.95		
26/08/88	08:25:00	25.417	2136.77	-.04	206.95		
26/08/88	08:30:00	25.500	2136.82	.05	206.94		
26/08/88	08:35:00	25.583	2136.76	-.06	206.95		
26/08/88	08:40:00	25.667	2136.74	-.02	206.95		
26/08/88	08:45:00	25.750	2136.80	.06	206.96		
26/08/88	08:50:00	25.833	2136.70	-.11	206.96		
26/08/88	08:55:00	25.917	2136.83	.13	206.96		
26/08/88	09:00:00	26.000	2136.81	-.02	206.98	604	4164 KPA
26/08/88	09:05:00	26.083	2136.78	-.03	207.00		CSG = 4500 KPA
26/08/88	09:10:00	26.167	2136.81	.03	207.00		
26/08/88	09:15:00	26.250	2136.81	.00	206.99		
26/08/88	09:20:00	26.333	2136.43	-.38	206.96		
26/08/88	09:25:00	26.417	2136.74	.31	206.95		
26/08/88	09:30:00	26.500	2136.78	.04	206.96		
26/08/88	09:35:00	26.583	2136.81	.03	206.96		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 26/08/88

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

OPERATOR : H.JAMES

COMMENTS: FLOW WELL

GAUGE 1 S/N: 599

GAUGE 2 S/N: 0

GAUGE DEPTH: 4620'KB

11.5/64ths CHOKE

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
26/08/88	09:40:00	26.667	2136.72	0.00	206.96		
26/08/88	09:45:00	26.750	2136.62	-.11	206.96		
26/08/88	09:50:00	26.833	2136.93	.31	206.96		
26/08/88	09:55:00	26.917	2136.95	.02	206.96		
26/08/88	10:00:00	27.000	2136.88	-.07	206.95		
26/08/88	10:05:00	27.083	2136.88	-.00	206.96		
26/08/88	10:10:00	27.167	2136.92	.04	206.96		
26/08/88	10:15:00	27.250	2136.93	.01	206.96		
26/08/88	10:20:00	27.333	2136.83	-.10	206.96		
26/08/88	10:25:00	27.417	2136.79	-.04	206.96		
26/08/88	10:30:00	27.500	2136.75	-.04	206.96		
26/08/88	10:35:00	27.583	2136.84	.09	206.96		
26/08/88	10:40:00	27.667	2136.82	-.02	206.96		
26/08/88	10:45:00	27.750	2136.80	-.02	206.96		
26/08/88	10:50:00	27.833	2136.79	-.01	206.96		
26/08/88	10:55:00	27.917	2136.77	-.02	206.96		
26/08/88	11:00:00	28.000	2136.87	.10	206.98	604	(4164 KPA)
26/08/88	11:05:00	28.083	2136.88	.01	207.00		CSG = 4500 KPA
26/08/88	11:10:00	28.167	2136.72	-.15	207.00		
26/08/88	11:15:00	28.250	2136.38	-.35	206.98		
26/08/88	11:20:00	28.333	2136.28	-.10	206.97		
26/08/88	11:25:00	28.417	2136.36	.08	206.97		
26/08/88	11:30:00	28.500	2136.43	.08	206.97		
26/08/88	11:35:00	28.583	2136.39	-.05	206.97		
26/08/88	11:40:00	28.667	2136.43	.05	206.98		
26/08/88	11:45:00	28.750	2136.38	-.06	206.97		
26/08/88	11:50:00	28.833	2136.38	-.00	206.98		
26/08/88	11:55:00	28.917	2136.45	.08	206.99		
26/08/88	12:00:00	29.000	2136.42	-.03	206.99		
26/08/88	12:05:00	29.083	2136.49	.07	206.99		
26/08/88	12:10:00	29.167	2136.47	-.02	206.99		
26/08/88	12:15:00	29.250	2136.42	-.05	207.00		
26/08/88	12:20:00	29.333	2136.44	.02	207.00		
26/08/88	12:25:00	29.417	2136.38	-.07	207.00		
26/08/88	12:30:00	29.500	2136.36	-.02	207.01		
26/08/88	12:35:00	29.583	2136.36	.00	207.00		
26/08/88	12:40:00	29.667	2136.41	.06	207.00		
26/08/88	12:45:00	29.750	2136.31	-.11	206.99		
26/08/88	12:50:00	29.833	2136.39	.09	207.00		
26/08/88	12:55:00	29.917	2136.39	-.00	207.01		
26/08/88	13:00:00	30.000	2136.41	.02	207.00	604	(4164 KPA)
26/08/88	13:05:00	30.083	2136.42	.01	207.02		
26/08/88	13:10:00	30.167	2136.31	-.12	207.01		
26/08/88	13:15:00	30.250	2136.37	.07	207.01		
26/08/88	13:20:00	30.333	2136.49	.12	207.01		
26/08/88	13:25:00	30.417	2136.54	.05	207.01		
26/08/88	13:30:00	30.500	2136.56	.02	207.02		
26/08/88	13:35:00	30.583	2136.54	-.02	207.01		
26/08/88	13:40:00	30.667	2136.55	.01	207.02		
26/08/88	13:45:00	30.750	2136.46	-.09	207.02		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 26/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H. JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
26/08/88	13:50:00	30.833	2136.43	-.04	207.01		
26/08/88	13:55:00	30.917	2136.47	.00	207.01	604	(4164 KPA)
26/08/88	14:00:00	0.000	2136.47	.00	207.01		SHUT IN WELL
26/08/88	14:00:30	.009	2136.60	.13	207.01		
26/08/88	14:01:00	.017	2156.72	20.25	206.99		DELTA P FROM SHUT IN
26/08/88	14:01:30	.026	2156.90	20.43	206.93		DELTA T FROM SHUT IN
26/08/88	14:02:00	.033	2156.90	20.43	206.87		
26/08/88	14:02:30	.420	2156.86	20.39	206.87		
26/08/88	14:03:00	.050	2156.83	20.36	206.80		30 SEC SAMPLE RATE
26/08/88	14:03:30	.058	2156.73	20.26	206.74		
26/08/88	14:04:00	.067	2156.65	20.18	206.67		
26/08/88	14:04:30	.075	2156.60	20.13	206.67		
26/08/88	14:05:00	.083	2156.48	20.01	206.61		
26/08/88	14:05:30	.092	2156.43	19.96	206.53		
26/08/88	14:06:00	.100	2156.45	19.98	206.50		
26/08/88	14:06:30	.108	2156.42	19.95	206.49		
26/08/88	14:07:00	.117	2156.40	19.93	206.48		
26/08/88	14:07:30	.125	2156.38	19.91	206.46		
26/08/88	14:08:00	.133	2156.33	19.86	206.45		
26/08/88	14:08:30	.142	2156.29	19.82	206.43		
26/08/88	14:09:00	.150	2156.16	19.69	206.41		
26/08/88	14:09:30	.158	2156.14	19.67	206.39		
26/08/88	14:10:00	.167	2156.07	19.60	206.37		
26/08/88	14:10:30	.175	2156.05	19.58	206.35		
26/08/88	14:11:00	.183	2156.12	19.65	206.32		
26/08/88	14:11:30	.192	2156.07	19.60	206.30		
26/08/88	14:12:00	.200	2156.15	19.68	206.28		
26/08/88	14:12:30	.208	2156.15	19.68	206.26		
26/08/88	14:13:00	.217	2156.12	19.65	206.24		
26/08/88	14:13:30	.225	2156.19	19.72	206.21		
26/08/88	14:14:00	.233	2156.14	19.67	206.19		
26/08/88	14:14:30	.242	2156.16	19.69	206.16		
26/08/88	14:15:00	.250	2156.20	19.73	206.14	633	(4364 KPA)
26/08/88	14:15:30	.258	2156.22	19.75	206.11		CSG = 4500 KPA
26/08/88	14:16:00	.267	2156.20	19.73	206.09		
26/08/88	14:16:30	.275	2156.29	19.82	206.07		
26/08/88	14:17:00	.283	2156.30	19.83	206.04		
26/08/88	14:17:30	.292	2156.28	19.81	206.03		
26/08/88	14:18:00	.300	2156.36	19.89	206.00		
26/08/88	14:18:30	.308	2156.32	19.85	205.98		
26/08/88	14:19:00	.317	2156.35	19.88	205.95		
26/08/88	14:19:30	.325	2156.29	19.82	205.92		
26/08/88	14:20:00	.333	2156.30	19.83	205.90		
26/08/88	14:20:30	.342	2156.32	19.85	205.88		
26/08/88	14:21:00	.350	2156.30	19.83	205.85		
26/08/88	14:21:30	.358	2156.38	19.91	205.83		
26/08/88	14:22:00	.367	2156.35	19.88	205.81		
26/08/88	14:22:30	.375	2156.37	19.90	205.79		
26/08/88	14:23:00	.383	2156.37	19.90	205.77		
26/08/88	14:23:30	.392	2156.40	19.93	205.74		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE : 26/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (*F)	SURFACE (PSIG)	REMARKS
26/08/88	14:24:00	.400	2156.42	19.95	205.72		
26/08/88	14:24:30	.408	2156.48	20.01	205.71		
26/08/88	14:25:00	.417	2156.45	19.98	205.68		
26/08/88	14:25:30	.425	2156.49	20.02	205.67		
26/08/88	14:26:00	.433	2156.50	20.03	205.65		
26/08/88	14:26:30	.442	2156.55	20.08	205.63		
26/08/88	14:27:00	.450	2156.58	20.11	205.62		
26/08/88	14:27:30	.458	2156.55	20.08	205.59		
26/08/88	14:28:00	.467	2156.55	20.08	205.58		
26/08/88	14:28:30	.475	2156.58	20.11	205.57		
26/08/88	14:29:00	.483	2156.58	20.11	205.55		
26/08/88	14:29:30	.492	2156.66	20.19	205.53		
26/08/88	14:30:00	.500	2156.61	20.14	205.52	633	(4364 KPA)
26/08/88	14:31:00	.517	2156.66	20.19	205.50		CSG = 4500 KPA
26/08/88	14:32:00	.533	2156.70	20.23	205.48		
26/08/88	14:33:00	.550	2156.67	20.20	205.48		
26/08/88	14:34:00	.567	2156.70	20.23	205.47		
26/08/88	14:35:00	.583	2156.76	20.29	205.45		
26/08/88	14:36:00	.600	2156.73	20.26	205.43		
26/08/88	14:37:00	.617	2156.80	20.33	205.41		
26/08/88	14:38:00	.633	2156.73	20.26	205.39		
26/08/88	14:39:00	.650	2156.81	20.34	205.38		
26/08/88	14:40:00	.667	2156.77	20.30	205.36		
26/08/88	14:41:00	.683	2156.78	20.31	205.33		
26/08/88	14:42:00	.700	2156.77	20.30	205.31		
26/08/88	14:43:00	.717	2156.85	20.38	205.29		
26/08/88	14:44:00	.733	2156.79	20.32	205.27		
26/08/88	14:45:00	.750	2156.81	20.34	205.25	631	(4351 KPA)
26/08/88	14:46:00	.767	2156.85	20.38	205.24		CSG = 4500 KPA
26/08/88	14:47:00	.783	2156.87	20.40	205.21		
26/08/88	14:48:00	.800	2156.83	20.36	205.20		
26/08/88	14:49:00	.817	2156.89	20.42	205.17		
26/08/88	14:50:00	.833	2156.88	20.41	205.15		
26/08/88	14:51:00	.850	2156.83	20.36	205.14		
26/08/88	14:52:00	.867	2156.87	20.40	205.11		
26/08/88	14:53:00	.883	2156.91	20.44	205.09		
26/08/88	14:54:00	.900	2156.86	20.39	205.08		
26/08/88	14:55:00	.917	2156.87	20.40	205.06		
26/08/88	14:56:00	.933	2156.87	20.40	205.04		
26/08/88	14:57:00	.950	2156.88	20.41	205.02		
26/08/88	14:58:00	.967	2156.88	20.41	205.00		
26/08/88	14:59:00	.983	2156.87	20.40	204.98		
26/08/88	15:00:00	1.000	2156.89	20.42	204.95	631	(4351 KPA)
26/08/88	15:01:00	1.017	2156.93	20.46	204.94		CSG = 4500 KPA
26/08/88	15:02:00	1.033	2156.96	20.49	204.91		
26/08/88	15:03:00	1.050	2156.95	20.48	204.89		
26/08/88	15:04:00	1.067	2156.95	20.48	204.88		
26/08/88	15:05:00	1.083	2156.95	20.48	204.85		
26/08/88	15:06:00	1.100	2156.96	20.49	204.84		
26/08/88	15:07:00	1.117	2156.94	20.47	204.82		
26/08/88	15:08:00	1.133	2157.03	20.56	204.81		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 26/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
26/08/88	15:09:00	1.150	2157.04	20.57	204.79		
26/08/88	15:10:00	1.167	2157.01	20.54	204.77		
26/08/88	15:11:00	1.183	2157.05	20.58	204.76		
26/08/88	15:12:00	1.200	2157.02	20.55	204.74		
26/08/88	15:13:00	1.217	2157.08	20.61	204.73		
26/08/88	15:14:00	1.233	2157.09	20.62	204.72		
26/08/88	15:15:00	1.250	2157.05	20.58	204.70		
26/08/88	15:16:00	1.267	2157.04	20.57	204.69		
26/08/88	15:17:00	1.283	2157.07	20.60	204.68		
26/08/88	15:18:00	1.300	2157.12	20.65	204.66		
26/08/88	15:19:00	1.317	2157.09	20.62	204.64		
26/08/88	15:20:00	1.333	2157.10	20.63	204.63		
26/08/88	15:21:00	1.350	2157.12	20.65	204.62		
26/08/88	15:22:00	1.367	2157.10	20.63	204.61		
26/08/88	15:23:00	1.383	2157.17	20.70	204.60		
26/08/88	15:24:00	1.400	2157.13	20.66	204.58		
26/08/88	15:25:00	1.417	2157.13	20.66	204.57		
26/08/88	15:26:00	1.433	2157.13	20.66	204.56		
26/08/88	15:27:00	1.450	2157.12	20.65	204.54		
26/08/88	15:28:00	1.467	2157.11	20.64	204.53		
26/08/88	15:29:00	1.483	2157.14	20.67	204.51		
26/08/88	15:30:00	1.500	2157.20	20.73	204.49	631	(4351 KPA)
26/08/88	15:31:00	1.517	2157.21	20.74	204.48		CSG = 4500 KPA
26/08/88	15:32:00	1.533	2157.21	20.74	204.47		
26/08/88	15:33:00	1.550	2157.16	20.69	204.46		
26/08/88	15:34:00	1.567	2157.15	20.68	204.44		
26/08/88	15:35:00	1.583	2157.19	20.72	204.43		
26/08/88	15:36:00	1.600	2157.16	20.69	204.42		
26/08/88	15:37:00	1.617	2157.17	20.70	204.41		
26/08/88	15:38:00	1.633	2157.24	20.77	204.40		
26/08/88	15:39:00	1.650	2157.20	20.73	204.38		
26/08/88	15:40:00	1.667	2157.20	20.73	204.37		
26/08/88	15:41:00	1.683	2157.22	20.75	204.35		
26/08/88	15:42:00	1.700	2157.22	20.75	204.33		
26/08/88	15:43:00	1.717	2157.27	20.80	204.32		
26/08/88	15:44:00	1.733	2157.25	20.78	204.31		
26/08/88	15:45:00	1.750	2157.28	20.81	204.30		
26/08/88	15:46:00	1.767	2157.26	20.79	204.29		
26/08/88	15:47:00	1.783	2157.28	20.81	204.27		
26/08/88	15:48:00	1.800	2157.32	20.85	204.26		
26/08/88	15:49:00	1.817	2157.28	20.81	204.25		
26/08/88	15:50:00	1.833	2157.31	20.84	204.23		
26/08/88	15:51:00	1.850	2157.32	20.85	204.22		
26/08/88	15:52:00	1.867	2157.32	20.85	204.21		
26/08/88	15:53:00	1.883	2157.29	20.82	204.20		
26/08/88	15:54:00	1.900	2157.37	20.90	204.19		
26/08/88	15:55:00	1.917	2157.32	20.85	204.18		
26/08/88	15:56:00	1.933	2157.33	20.86	204.17		
26/08/88	15:57:00	1.950	2157.37	20.90	204.16		
26/08/88	15:58:00	1.967	2157.41	20.94	204.15		
26/08/88	15:59:00	1.983	2157.35	20.88	204.15		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 26/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
26/08/88	16:00:00	2.000	2157.34	20.87	204.13	630	(4342 KPA)
26/08/88	16:05:00	2.083	2157.36	20.89	204.16		CSG = 4500 KPA
26/08/88	16:10:00	2.167	2157.43	20.96	204.15		
26/08/88	16:15:00	2.250	2157.36	20.89	204.12		
26/08/88	16:20:00	2.333	2157.35	20.88	204.08		
26/08/88	16:25:00	2.417	2157.34	20.87	204.05		
26/08/88	16:30:00	2.500	2157.38	20.91	204.01		
26/08/88	16:35:00	2.583	2157.40	20.93	203.98		
26/08/88	16:40:00	2.667	2157.44	20.97	203.95		
26/08/88	16:45:00	2.750	2157.38	20.91	203.92		
26/08/88	16:50:00	2.833	2157.41	20.94	203.89		
26/08/88	16:55:00	2.917	2157.42	20.95	203.85		
26/08/88	17:00:00	3.000	2157.41	20.94	203.82	631	(4351 KPA)
26/08/88	17:05:00	3.083	2157.42	20.95	203.79		CSG = 4500 KPA
26/08/88	17:10:00	3.167	2157.46	20.99	203.77		
26/08/88	17:15:00	3.250	2157.46	20.99	203.74		
26/08/88	17:20:00	3.333	2157.47	21.00	203.71		
26/08/88	17:25:00	3.417	2157.50	21.03	203.68		
26/08/88	17:30:00	3.500	2157.51	21.04	203.65		
26/08/88	17:35:00	3.583	2157.56	21.09	203.64		
26/08/88	17:40:00	3.667	2157.55	21.08	203.61		
26/08/88	17:45:00	3.750	2157.59	21.12	203.58		
26/08/88	17:50:00	3.833	2157.55	21.08	203.56		
26/08/88	17:55:00	3.917	2157.64	21.17	203.54		
26/08/88	18:00:00	4.000	2157.61	21.14	203.51	628	(4330 KPA)
26/08/88	18:05:00	4.083	2157.65	21.18	203.48		CSG = 4500 KPA
26/08/88	18:10:00	4.167	2157.69	21.22	203.46		
26/08/88	18:15:00	4.250	2157.67	21.20	203.44		
26/08/88	18:20:00	4.333	2157.74	21.27	203.42		
26/08/88	18:25:00	4.417	2157.71	21.24	203.40		
26/08/88	18:30:00	4.500	2157.75	21.28	203.38		
26/08/88	18:35:00	4.583	2157.73	21.26	203.36		
26/08/88	18:40:00	4.667	2157.77	21.30	203.34		
26/08/88	18:45:00	4.750	2157.76	21.29	203.32		
26/08/88	18:50:00	4.833	2157.79	21.32	203.30		
26/08/88	18:55:00	4.917	2157.83	21.36	203.28		
26/08/88	19:00:00	5.000	2157.89	21.42	203.26		
26/08/88	19:05:00	5.083	2157.88	21.41	203.24		
26/08/88	19:10:00	5.167	2157.92	21.45	203.23		
26/08/88	19:15:00	5.250	2157.91	21.44	203.21		
26/08/88	19:20:00	5.333	2157.96	21.49	203.19		
26/08/88	19:25:00	5.417	2157.91	21.44	203.17		
26/08/88	19:30:00	5.500	2157.93	21.46	203.15		
26/08/88	19:35:00	5.583	2157.94	21.47	203.14		
26/08/88	19:40:00	5.667	2158.01	21.54	203.12		
26/08/88	19:45:00	5.750	2157.98	21.51	203.11		
26/08/88	19:50:00	5.833	2158.04	21.57	203.09		
26/08/88	19:55:00	5.917	2158.01	21.54	203.08		
26/08/88	20:00:00	6.000	2158.10	21.63	203.07	628	(4330 KPA)
26/08/88	20:05:00	6.083	2158.04	21.57	203.05		CSG = 4500 KPA
26/08/88	20:10:00	6.167	2158.04	21.57	203.04		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 26/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
26/08/88	20:15:00	6.250	2158.08	21.61	203.03		
26/08/88	20:20:00	6.333	2158.13	21.66	203.01		
26/08/88	20:25:00	6.417	2158.11	21.64	202.99		
26/08/88	20:30:00	6.500	2158.16	21.69	202.98		
26/08/88	20:35:00	6.583	2158.20	21.73	202.97		
26/08/88	20:40:00	6.667	2158.15	21.68	202.96		
26/08/88	20:45:00	6.750	2158.21	21.74	202.94		
26/08/88	20:50:00	6.833	2158.25	21.78	202.92		
26/08/88	20:55:00	6.917	2158.26	21.79	202.91		
26/08/88	21:00:00	7.000	2158.30	21.83	202.90		
26/08/88	21:05:00	7.083	2158.26	21.79	202.89		
26/08/88	21:10:00	7.167	2158.32	21.85	202.88		
26/08/88	21:15:00	7.250	2158.35	21.88	202.87		
26/08/88	21:20:00	7.333	2158.36	21.89	202.86		
26/08/88	21:25:00	7.417	2158.38	21.91	202.84		
26/08/88	21:30:00	7.500	2158.38	21.91	202.83		
26/08/88	21:35:00	7.583	2158.45	21.98	202.82		
26/08/88	21:40:00	7.667	2158.42	21.95	202.80		
26/08/88	21:45:00	7.750	2158.43	21.96	202.80		
26/08/88	21:50:00	7.833	2158.41	21.94	202.79		
26/08/88	21:55:00	7.917	2158.46	21.99	202.77		
26/08/88	22:00:00	8.000	2158.49	22.02	202.77		
26/08/88	22:10:00	8.167	2158.58	22.11	202.75		
26/08/88	22:20:00	8.333	2158.52	22.05	202.74		
26/08/88	22:30:00	8.500	2158.61	22.14	202.72		
26/08/88	22:40:00	8.667	2158.60	22.13	202.69		
26/08/88	22:50:00	8.833	2158.71	22.24	202.67		
26/08/88	23:00:00	9.000	2158.75	22.28	202.65		
26/08/88	23:10:00	9.167	2158.72	22.25	202.63		
26/08/88	23:20:00	9.333	2158.74	22.27	202.62		
26/08/88	23:30:00	9.500	2158.80	22.33	202.60		
26/08/88	23:40:00	9.667	2158.89	22.42	202.58		
26/08/88	23:50:00	9.833	2158.91	22.44	202.57		
27/08/88	00:00:00	10.000	2158.95	22.48	202.55		
27/08/88	00:10:00	10.167	2159.01	22.54	202.54		
27/08/88	00:20:00	10.333	2159.02	22.55	202.52		
27/08/88	00:30:00	10.500	2159.09	22.62	202.50		
27/08/88	00:40:00	10.667	2159.11	22.64	202.48		
27/08/88	00:50:00	10.833	2159.16	22.69	202.47		
27/08/88	01:00:00	11.000	2159.17	22.70	202.45		
27/08/88	01:10:00	11.167	2159.25	22.78	202.44		
27/08/88	01:20:00	11.333	2159.29	22.82	202.43		
27/08/88	01:30:00	11.500	2159.36	22.89	202.41		
27/08/88	01:40:00	11.667	2159.33	22.86	202.40		
27/08/88	01:50:00	11.833	2159.41	22.94	202.39		
27/08/88	02:00:00	12.000	2159.45	22.98	202.38	628	(4330 KPA)
27/08/88	02:10:00	12.167	2159.47	23.00	202.37		CSG = 4500 KPA
27/08/88	02:20:00	12.333	2159.50	23.03	202.35		
27/08/88	02:30:00	12.500	2159.55	23.08	202.34		
27/08/88	02:40:00	12.667	2159.58	23.11	202.33		
27/08/88	02:50:00	12.833	2159.60	23.13	202.32		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 27/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
27/08/88	03:00:00	13.000	2159.69	23.22	202.31		
27/08/88	03:10:00	13.167	2159.75	23.28	202.29		
27/08/88	03:20:00	13.333	2159.79	23.32	202.29		
27/08/88	03:30:00	13.500	2159.82	23.35	202.27		
27/08/88	03:40:00	13.667	2159.85	23.38	202.26		
27/08/88	03:50:00	13.833	2159.90	23.43	202.26		
27/08/88	04:00:00	14.000	2159.94	23.47	202.25		
27/08/88	04:10:00	14.167	2160.03	23.56	202.23		
27/08/88	04:20:00	14.333	2160.03	23.56	202.22		
27/08/88	04:30:00	14.500	2160.09	23.62	202.21		
27/08/88	04:40:00	14.667	2160.11	23.64	202.21		
27/08/88	04:50:00	14.833	2160.19	23.72	202.20		
27/08/88	05:00:00	15.000	2160.18	23.71	202.19		
27/08/88	05:10:00	15.167	2160.20	23.73	202.18		
27/08/88	05:20:00	15.333	2160.23	23.76	202.17		
27/08/88	05:30:00	15.500	2160.25	23.78	202.16		
27/08/88	05:40:00	15.667	2160.23	23.76	202.16		
27/08/88	05:50:00	15.833	2160.29	23.82	202.15		
27/08/88	06:00:00	16.000	2160.26	23.79	202.14	628	(4330 KPA)
27/08/88	06:10:00	16.167	2160.28	23.81	202.14	CSG	
27/08/88	06:20:00	16.333	2160.31	23.84	202.12		
27/08/88	06:30:00	16.500	2160.31	23.84	202.12		
27/08/88	06:40:00	16.667	2160.33	23.86	202.11		
27/08/88	06:50:00	16.833	2160.31	23.84	202.10		
27/08/88	07:00:00	17.000	2160.29	23.82	202.09		
27/08/88	07:10:00	17.167	2160.34	23.87	202.09		
27/08/88	07:20:00	17.333	2160.28	23.81	202.09		
27/08/88	07:30:00	17.500	2160.30	23.83	202.08		
27/08/88	07:40:00	17.667	2160.36	23.89	202.07		
27/08/88	07:50:00	17.833	2160.36	23.89	202.06		
27/08/88	08:00:00	18.000	2160.36	23.89	202.05		
27/08/88	08:10:00	18.167	2160.32	23.85	202.05		
27/08/88	08:20:00	18.333	2160.36	23.89	202.03		
27/08/88	08:30:00	18.500	2160.38	23.91	202.03		
27/08/88	08:40:00	18.667	2160.38	23.91	202.03		
27/08/88	08:50:00	18.833	2160.36	23.89	202.02		
27/08/88	09:00:00	19.000	2160.36	23.89	202.01		
27/08/88	09:10:00	19.167	2160.37	23.90	202.00		
27/08/88	09:20:00	19.333	2160.35	23.88	202.00		
27/08/88	09:30:00	19.500	2160.35	23.88	201.99		
27/08/88	09:40:00	19.667	2160.40	23.93	201.99		
27/08/88	09:50:00	19.833	2160.38	23.91	201.98		
27/08/88	10:00:00	20.000	2160.39	23.92	201.96	627	(4323 KPA)
27/08/88	10:10:00	20.167	2160.41	23.94	201.96		CSG = 4500 KPA
27/08/88	10:20:00	20.333	2160.38	23.91	201.96		
27/08/88	10:30:00	20.500	2160.35	23.88	201.95		
27/08/88	10:40:00	20.667	2160.35	23.88	201.95		
27/08/88	10:50:00	20.833	2160.41	23.94	201.94		
27/08/88	11:00:00	21.000	2160.39	23.92	201.94		
27/08/88	11:10:00	21.167	2160.38	23.91	201.93		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 27/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H. JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
27/08/88	11:20:00	21.333	2160.39	23.92	201.93		
27/08/88	11:30:00	21.500	2160.37	23.90	201.92		
27/08/88	11:40:00	21.667	2160.39	23.92	201.92		
27/08/88	11:50:00	21.833	2160.34	23.87	201.91		
27/08/88	12:00:00	22.000	2160.38	23.91	201.90		
27/08/88	12:10:00	22.167	2160.37	23.90	201.90		
27/08/88	12:20:00	22.333	2160.33	23.86	201.89		
27/08/88	12:30:00	22.500	2160.36	23.89	201.89		
27/08/88	12:40:00	22.667	2160.35	23.88	201.89		
27/08/88	12:50:00	22.833	2160.36	23.89	201.87		
27/08/88	13:00:00	23.000	2160.40	23.93	201.87		
27/08/88	13:10:00	23.167	2160.40	23.93	201.87		
27/08/88	13:20:00	23.333	2160.40	23.93	201.86		
27/08/88	13:30:00	23.500	2160.33	23.86	201.86		
27/08/88	13:40:00	23.667	2160.40	23.93	201.85		
27/08/88	13:50:00	23.833	2160.37	23.90	201.85		
27/08/88	14:00:00	24.000	2160.38	23.91	201.84	627	(4323 KPA) CSG = 4500 KPA
27/08/88	14:10:00	24.167	2160.44	23.97	201.84		
27/08/88	14:20:00	24.333	2160.35	23.88	201.83		
27/08/88	14:30:00	24.500	2160.38	23.91	201.83		
27/08/88	14:40:00	24.667	2160.37	23.90	201.82		
27/08/88	14:50:00	24.833	2160.44	23.97	201.82		
27/08/88	15:00:00	25.000	2160.44	23.97	201.81		
27/08/88	15:10:00	25.167	2160.45	23.98	201.81		
27/08/88	15:20:00	25.333	2160.39	23.92	201.81		
27/08/88	15:30:00	25.500	2160.38	23.91	201.80		
27/08/88	15:40:00	25.667	2160.44	23.97	201.79		
27/08/88	15:50:00	25.833	2160.39	23.92	201.79		
27/08/88	16:00:00	26.000	2160.39	23.92	201.79		
27/08/88	16:10:00	26.167	2160.39	23.92	201.78		
27/08/88	16:20:00	26.333	2160.40	23.93	201.78		
27/08/88	16:30:00	26.500	2160.39	23.92	201.77		
27/08/88	16:40:00	26.667	2160.41	23.94	201.77		
27/08/88	16:50:00	26.833	2160.40	23.93	201.77		
27/08/88	17:00:00	27.000	2160.40	23.93	201.76		
27/08/88	17:10:00	27.167	2160.40	23.93	201.75		
27/08/88	17:20:00	27.333	2160.46	23.99	201.75		
27/08/88	17:30:00	27.500	2160.40	23.93	201.75		
27/08/88	17:40:00	27.667	2160.42	23.95	201.74		
27/08/88	17:50:00	27.833	2160.46	23.99	201.74		
27/08/88	18:00:00	28.000	2160.41	23.94	201.74	627	(4323 KPA) CSG = 4500 KPA
27/08/88	18:10:00	28.167	2160.44	23.97	201.74		
27/08/88	18:20:00	28.333	2160.38	23.91	201.74		
27/08/88	18:30:00	28.500	2160.41	23.94	201.73		
27/08/88	18:40:00	28.667	2160.37	23.90	201.73		
27/08/88	18:50:00	28.833	2160.35	23.88	201.72		
27/08/88	19:00:00	29.000	2160.41	23.94	201.73		
27/08/88	19:10:00	29.167	2160.39	23.92	201.72		
27/08/88	19:20:00	29.333	2160.35	23.88	201.72		
27/08/88	19:30:00	29.500	2160.34	23.87	201.71		
27/08/88	19:40:00	29.667	2160.33	23.86	201.71		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 27/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (*F)	SURFACE (PSIG)	REMARKS
27/08/88	19:50:00	29.833	2160.39	23.92	201.71		
27/08/88	20:00:00	30.000	2160.38	23.91	201.70		
27/08/88	20:10:00	30.167	2160.35	23.88	201.70		
27/08/88	20:20:00	30.333	2160.36	23.89	201.70		
27/08/88	20:30:00	30.500	2160.37	23.90	201.70		
27/08/88	20:40:00	30.667	2160.39	23.92	201.69		
27/08/88	20:50:00	30.833	2160.35	23.88	201.69		
27/08/88	21:00:00	31.000	2160.35	23.88	201.68		
27/08/88	21:10:00	31.167	2160.39	23.92	201.68		
27/08/88	21:20:00	31.333	2160.37	23.90	201.68		
27/08/88	21:30:00	31.500	2160.39	23.92	201.68		
27/08/88	21:40:00	31.667	2160.35	23.88	201.68		
27/08/88	21:50:00	31.833	2160.32	23.85	201.67		
27/08/88	22:00:00	32.000	2160.34	23.87	201.66	627	(4323 KPA)
27/08/88	22:10:00	32.167	2160.33	23.86	201.66		CSG = 4500 KPA
27/08/88	22:20:00	32.333	2160.32	23.85	201.65		
27/08/88	22:30:00	32.500	2160.29	23.82	201.65		
27/08/88	22:40:00	32.667	2160.30	23.83	201.65		
27/08/88	22:50:00	32.833	2160.29	23.82	201.65		
27/08/88	23:00:00	33.000	2160.29	23.82	201.64		
27/08/88	23:10:00	33.167	2160.35	23.88	201.63		
27/08/88	23:20:00	33.333	2160.34	23.87	201.64		
27/08/88	23:30:00	33.500	2160.30	23.83	201.63		
27/08/88	23:40:00	33.667	2160.33	23.86	201.62		
27/08/88	23:50:00	33.833	2160.34	23.87	201.62		
28/08/88	00:00:00	34.000	2160.36	23.89	201.62		
28/08/88	00:10:00	34.167	2160.31	23.84	201.62		
28/08/88	00:20:00	34.333	2160.35	23.88	201.61		
28/08/88	00:30:00	34.500	2160.33	23.86	201.61		
28/08/88	00:40:00	34.667	2160.33	23.86	201.61		
28/08/88	00:50:00	34.833	2160.35	23.88	201.61		
28/08/88	01:00:00	35.000	2160.33	23.86	201.60		
28/08/88	01:10:00	35.167	2160.29	23.82	201.60		
28/08/88	01:20:00	35.333	2160.28	23.81	201.60		
28/08/88	01:30:00	35.500	2160.28	23.81	201.59		
28/08/88	01:40:00	35.667	2160.34	23.87	201.59		
28/08/88	01:50:00	35.833	2160.32	23.85	201.59		
28/08/88	02:00:00	36.000	2160.30	23.83	201.59	627	(4323 KPA)
28/08/88	02:10:00	36.167	2160.31	23.84	201.58		CSG = 4500 KPA
28/08/88	02:20:00	36.333	2160.32	23.85	201.58		
28/08/88	02:30:00	36.500	2160.34	23.87	201.57		
28/08/88	02:40:00	36.667	2160.32	23.85	201.58		
28/08/88	02:50:00	36.833	2160.29	23.82	201.58		
28/08/88	03:00:00	37.000	2160.28	23.81	201.57		
28/08/88	03:10:00	37.167	2160.30	23.83	201.57		
28/08/88	03:20:00	37.333	2160.35	23.88	201.57		
28/08/88	03:30:00	37.500	2160.34	23.87	201.56		
28/08/88	03:40:00	37.667	2160.31	23.84	201.56		
28/08/88	03:50:00	37.833	2160.32	23.85	201.56		
28/08/88	04:00:00	38.000	2160.34	23.87	201.56		
28/08/88	04:10:00	38.167	2160.34	23.87	201.56		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 28/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: 4620'KB

OPERATOR : H.JAMES

COMMENTS: BUILD UP

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
28/08/88	04:20:00	38.333	2160.29	23.82	201.56		
28/08/88	04:30:00	38.500	2160.34	23.87	201.55		
28/08/88	04:40:00	38.667	2160.34	23.87	201.55		
28/08/88	04:50:00	38.833	2160.35	23.88	201.54		
28/08/88	05:00:00	39.000	2160.31	23.84	201.54		
28/08/88	05:10:00	39.167	2160.32	23.85	201.54		
28/08/88	05:20:00	39.333	2160.36	23.89	201.53		
28/08/88	05:30:00	39.500	2160.35	23.88	201.53		
28/08/88	05:40:00	39.667	2160.35	23.88	201.53		
28/08/88	05:50:00	39.833	2160.34	23.87	201.53		
28/08/88	06:00:00	40.000	2160.38	23.91	201.53	627	(4323 KPA)
28/08/88	06:10:00	40.167	2160.33	23.86	201.52		CSG = 4500 KPA
28/08/88	06:20:00	40.333	2160.35	23.88	201.52		
28/08/88	06:30:00	40.500	2160.36	23.89	201.52		
28/08/88	06:40:00	40.667	2160.36	23.89	201.52		
28/08/88	06:50:00	40.833	2160.35	23.88	201.52		
28/08/88	07:00:00	41.000	2160.36	23.89	201.52		
28/08/88	07:10:00	41.167	2160.38	23.91	201.52		
28/08/88	07:20:00	41.333	2160.33	23.86	201.52		
28/08/88	07:30:00	41.500	2160.34	23.87	201.52		
28/08/88	07:40:00	41.667	2160.37	23.90	201.52		
28/08/88	07:50:00	41.833	2160.35	23.88	201.51		
28/08/88	08:00:00	42.000	2160.37	23.90	201.51	627	P.O.H.FOR GRADIENT
28/08/88	08:29:00	42.483	1937.19	0.00	196.13		1st STOP @ 4000'KB
28/08/88	08:30:00	42.500	1937.73	.54	194.76		
28/08/88	08:31:00	42.516	1941.14	3.41	193.72		
28/08/88	08:32:00	42.533	1944.25	3.11	192.88		
28/08/88	08:33:00	42.550	1946.71	2.46	192.21		
28/08/88	08:34:00	42.566	1948.73	2.02	191.67		
28/08/88	08:35:00	42.583	1950.50	1.76	191.24		
28/08/88	08:36:00	42.600	1951.94	1.44	190.88		
28/08/88	08:37:00	42.616	1953.09	1.16	190.60		
28/08/88	08:38:00	42.633	1954.08	.99	190.37		
28/08/88	08:39:00	42.650	1954.90	.81	190.18		
28/08/88	08:40:00	42.666	1955.52	.62	190.02		
28/08/88	08:41:00	42.683	1956.03	.51	189.89		
28/08/88	08:42:00	42.700	1956.45	.42	189.77		
28/08/88	08:43:00	42.716	1956.78	.33	189.67		
28/08/88	08:44:00	42.733	1957.04	.26	189.59		
28/08/88	08:45:00	42.750	1957.28	.24	189.51		
28/08/88	08:46:00	42.766	1957.48	.20	189.45		
28/08/88	08:47:00	42.783	1957.63	.16	189.39		
28/08/88	08:48:00	42.800	1957.77	.14	189.34		
28/08/88	08:49:00	42.816	1957.87	.10	189.30		
28/08/88	08:50:00	42.833	1957.95	.08	189.25		
28/08/88	08:51:00	42.850	1958.02	.07	189.22		
28/08/88	08:52:00	42.866	1958.07	.05	189.18		
28/08/88	08:53:00	42.883	1958.13	.06	189.15		
28/08/88	08:54:00	42.900	1958.18	.05	189.12		
28/08/88	08:55:00	42.916	1958.22	.04	189.10		
28/08/88	08:56:00	42.933	1958.25	.03	189.07		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 28/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: GRAD.

OPERATOR : H.JAMES

COMMENTS: GRADIENT

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
28/08/88	08:57:00	42.950	1958.29	.04	189.05		P.O.H.
28/08/88	09:02:00	43.033	1777.22	-181.08	184.58		2nd STOP @ 3500'KB
28/08/88	09:03:00	43.050	1777.08	-.13	182.94		
28/08/88	09:04:00	43.066	1779.94	2.86	181.74		
28/08/88	09:05:00	43.083	1782.75	2.80	180.83		
28/08/88	09:06:00	43.100	1785.05	2.30	180.13		
28/08/88	09:07:00	43.116	1786.85	1.80	179.58		
28/08/88	09:08:00	43.133	1788.27	1.42	179.14		
28/08/88	09:09:00	43.150	1789.30	1.03	178.78		
28/08/88	09:10:00	43.166	1790.21	.91	178.48		
28/08/88	09:11:00	43.183	1790.92	.71	178.24		
28/08/88	09:12:00	43.200	1791.49	.57	178.04		
28/08/88	09:13:00	43.216	1791.93	.45	177.87		
28/08/88	09:14:00	43.233	1792.31	.38	177.72		
28/08/88	09:15:00	43.250	1792.61	.30	177.60		
28/08/88	09:16:00	43.266	1792.87	.26	177.49		
28/08/88	09:17:00	43.283	1793.07	.19	177.39		
28/08/88	09:18:00	43.300	1793.24	.17	177.30		
28/08/88	09:19:00	43.316	1793.38	.14	177.22		
28/08/88	09:20:00	43.333	1793.47	.09	177.15		
28/08/88	09:21:00	43.350	1793.58	.11	177.09		
28/08/88	09:22:00	43.366	1793.66	.07	177.03		
28/08/88	09:23:00	43.383	1793.71	.05	176.98		
28/08/88	09:24:00	43.400	1793.77	.06	176.93		
28/08/88	09:25:00	43.416	1793.83	.06	176.88		
28/08/88	09:26:00	43.433	1793.89	.05	176.84		
28/08/88	09:27:00	43.450	1793.92	.03	176.81		
28/08/88	09:28:00	43.466	1793.97	.05	176.77		
28/08/88	09:29:00	43.483	1793.98	.01	176.74		P.O.H.
28/08/88	09:35:00	43.583	1620.40	-173.58	171.05		3rd STOP @ 3000'KB
28/08/88	09:36:00	43.600	1619.88	-.52	169.40		
28/08/88	09:37:00	43.616	1621.47	1.59	168.17		
28/08/88	09:38:00	43.633	1623.10	1.63	167.22		
28/08/88	09:39:00	43.650	1624.45	1.35	166.48		
28/08/88	09:40:00	43.666	1625.56	1.11	165.90		
28/08/88	09:41:00	43.683	1626.30	.74	165.42		
28/08/88	09:42:00	43.700	1626.99	.69	165.04		
28/08/88	09:43:00	43.716	1627.48	.49	164.73		
28/08/88	09:44:00	43.733	1627.83	.35	164.47		
28/08/88	09:45:00	43.750	1628.18	.35	164.25		
28/08/88	09:46:00	43.766	1628.38	.20	164.06		
28/08/88	09:47:00	43.783	1628.54	.16	163.90		
28/08/88	09:48:00	43.800	1628.70	.16	163.76		
28/08/88	09:49:00	43.816	1628.88	.18	163.64		
28/08/88	09:50:00	43.833	1628.96	.08	163.53		
28/08/88	09:51:00	43.850	1629.06	.11	163.43		
28/08/88	09:52:00	43.866	1629.08	.02	163.35		
28/08/88	09:53:00	43.883	1629.14	.06	163.27		
28/08/88	09:54:00	43.900	1629.20	.06	163.20		
28/08/88	09:55:00	43.916	1629.28	.08	163.14		P.O.H.
28/08/88	10:00:00	44.000	1462.14	-167.14	157.67		4th STOP @ 2500'KB

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD.

DATE: 28/08/88

GAUGE 1 S/N: 599

LOCATION : TANTANNA #1

TEST: S.R.T./P.B.U.

GAUGE 2 S/N: 0

FORMATION: HUTTON

PERFORATIONS: 5369'-5380'KB

GAUGE DEPTH: GRAD.

OPERATOR : H. JAMES

COMMENTS: GRADIENT

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
28/08/88	10:01:00	44.016	1461.65	-.49	156.08		
28/08/88	10:02:00	44.033	1462.13	.48	154.88		
28/08/88	10:03:00	44.050	1462.60	.47	153.97		
28/08/88	10:04:00	44.066	1463.00	.39	153.25		
28/08/88	10:05:00	44.083	1463.20	.20	152.69		
28/08/88	10:06:00	44.100	1463.34	.14	152.24		
28/08/88	10:07:00	44.116	1463.46	.12	151.88		
28/08/88	10:08:00	44.133	1463.56	.10	151.58		
28/08/88	10:09:00	44.150	1463.58	.02	151.34		
28/08/88	10:10:00	44.166	1463.64	.05	151.13		
28/08/88	10:11:00	44.183	1463.64	.00	150.95		
28/08/88	10:12:00	44.200	1463.67	.03	150.80		
28/08/88	10:13:00	44.216	1463.64	-.03	150.67		
28/08/88	10:14:00	44.233	1463.65	.01	150.56		
28/08/88	10:19:00	44.316	1305.41	-158.24	145.21		P.O.H.
28/08/88	10:20:00	44.333	1303.40	-2.01	143.42		5th STOP @ 2000'KB
28/08/88	10:21:00	44.350	1302.52	-.88	142.06		
28/08/88	10:22:00	44.366	1301.97	-.55	141.00		
28/08/88	10:23:00	44.383	1301.27	-.70	140.18		
28/08/88	10:24:00	44.400	1300.82	-.45	139.51		
28/08/88	10:25:00	44.416	1300.38	-.44	138.98		
28/08/88	10:26:00	44.433	1300.01	-.37	138.54		
28/08/88	10:27:00	44.450	1299.67	-.34	138.17		
28/08/88	10:28:00	44.466	1299.34	-.32	137.87		
28/08/88	10:29:00	44.483	1299.12	-.22	137.61		
28/08/88	10:30:00	44.500	1298.93	-.19	137.38		
28/08/88	10:31:00	44.516	1298.70	-.23	137.18		
28/08/88	10:32:00	44.533	1298.58	-.12	137.02		
28/08/88	10:33:00	44.550	1298.45	-.12	136.87		
28/08/88	10:34:00	44.566	1298.33	-.13	136.73		
28/08/88	10:35:00	44.583	1298.22	-.11	136.61		
28/08/88	10:36:00	44.600	1298.12	-.10	136.50		
28/08/88	10:37:00	44.616	1298.03	-.08	136.40		
28/08/88	10:38:00	44.633	1297.98	-.05	136.30		
28/08/88	10:39:00	44.650	1297.91	-.07	136.22		
28/08/88	10:40:00	44.666	1297.85	-.07	136.14		
28/08/88	10:41:00	44.683	1297.78	-.07	136.07		
28/08/88	10:42:00	44.700	1297.77	-.01	136.00		
28/08/88	10:43:00	44.716	1297.70	-.07	135.95		
28/08/88	10:44:00	44.733	1297.70	-.00	135.89		
28/08/88	10:45:00	44.750	1297.63	-.07	135.85		
28/08/88	10:54:00	44.900	995.46	-302.17	122.34		P.O.H.
28/08/88	10:55:00	44.916	989.98	-5.48	120.00		6th STOP @ 1000'KB
28/08/88	10:56:00	44.933	985.82	-4.16	118.24		
28/08/88	10:57:00	44.950	982.45	-3.37	116.92		
28/08/88	10:58:00	44.966	979.55	-2.90	115.88		
28/08/88	10:59:00	44.983	977.07	-2.49	115.03		
28/08/88	11:00:00	45.000	974.88	-2.18	114.35		
28/08/88	11:01:00	45.016	973.02	-1.86	113.79		
28/08/88	11:02:00	45.033	971.40	-1.62	113.31		
28/08/88	11:03:00	45.050	969.99	-1.41	112.92		

EXPERTEST PTY. LTD.

CUSTOMER : SANTOS LTD. DATE: 28/08/88
 LOCATION : TANTANNA #1 TEST: S.R.T./P.B.U.
 FORMATION: HUTTON PERFORATIONS: 5369'-5380'KB
 OPERATOR : H.JAMES COMMENTS: GRADIENT

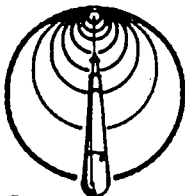
GAUGE 1 S/N: 599
 GAUGE 2 S/N: 0
 GAUGE DEPTH: GRAD.

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
28/08/88	11:04:00	45.066	968.81	-1.18	112.60		
28/08/88	11:05:00	45.083	967.81	-1.00	112.32		
28/08/88	11:06:00	45.100	966.87	-.93	112.08		
28/08/88	11:07:00	45.116	966.11	-.77	111.88		
28/08/88	11:08:00	45.133	965.47	-.64	111.72		
28/08/88	11:09:00	45.150	964.95	-.52	111.57		
28/08/88	11:10:00	45.166	964.44	-.51	111.45		
28/08/88	11:11:00	45.183	964.07	-.38	111.35		
28/08/88	11:12:00	45.200	963.71	-.35	111.25		
28/08/88	11:13:00	45.216	963.43	-.29	111.17		
28/08/88	11:14:00	45.233	963.15	-.28	111.11		
28/08/88	11:15:00	45.250	962.93	-.22	111.06		
28/08/88	11:16:00	45.266	962.74	-.19	111.01		
28/08/88	11:17:00	45.283	962.60	-.15	110.97		
28/08/88	11:18:00	45.300	962.48	-.12	110.93		
28/08/88	11:19:00	45.316	962.37	-.10	110.91		
28/08/88	11:20:00	45.333	962.28	-.09	110.88		
28/08/88	11:21:00	45.350	962.20	-.08	110.85		
28/08/88	11:22:00	45.366	962.13	-.07	110.84		
28/08/88	11:23:00	45.383	962.05	-.07	110.82		
28/08/88	11:24:00	45.400	962.00	-.06	110.81		
28/08/88	11:25:00	45.416	961.93	-.07	110.80		
28/08/88	11:26:00	45.433	961.88	-.05	110.79		
28/08/88	11:27:00	45.450	961.87	-.01	110.79		
28/08/88	11:28:00	45.466	961.86	-.02	110.79		
28/08/88	11:39:00	45.650	689.49	-272.36	89.30		P.O.H. IN LUBRICATOR
28/08/88	11:40:00	45.666	682.17	-7.33	87.34		
28/08/88	11:41:00	45.683	675.80	-6.37	85.74		
28/08/88	11:42:00	45.700	670.01	-5.78	84.41		
28/08/88	11:43:00	45.716	664.59	-5.42	83.28		
28/08/88	11:44:00	45.733	659.75	-4.84	82.34		
28/08/88	11:45:00	45.750	655.78	-3.97	81.57		
28/08/88	11:46:00	45.766	652.12	-3.66	80.90		
28/08/88	11:47:00	45.783	648.89	-3.22	80.32		
28/08/88	11:48:00	45.800	646.07	-2.82	79.84		
28/08/88	11:49:00	45.816	643.75	-2.32	79.43		
28/08/88	11:50:00	45.833	641.54	-2.22	79.07		
28/08/88	11:51:00	45.850	639.66	-1.88	78.77		
28/08/88	11:52:00	45.866	638.02	-1.64	78.51		
28/08/88	11:53:00	45.883	636.60	-1.42	78.29		
28/08/88	11:54:00	45.900	635.45	-1.15	78.11		
28/08/88	11:55:00	45.916	634.43	-1.02	77.95		
28/08/88	11:56:00	45.933	633.53	-.90	77.82		
28/08/88	11:57:00	45.950	632.94	-.58	77.70		
28/08/88	11:58:00	45.966	632.43	-.51	77.58		
28/08/88	11:59:00	45.983	631.98	-.45	77.48		
28/08/88	12:00:00	46.000	631.50	-.48	77.39		
28/08/88	12:01:00	46.016	630.84	-.66	77.32		
28/08/88	12:02:00	46.033	630.31	-.53	77.26		
28/08/88	12:03:00	46.050	629.73	-.58	77.21		
28/08/88	12:04:00	46.066	629.47	-.26	77.16		

EXPERTEST PTY. LTD.

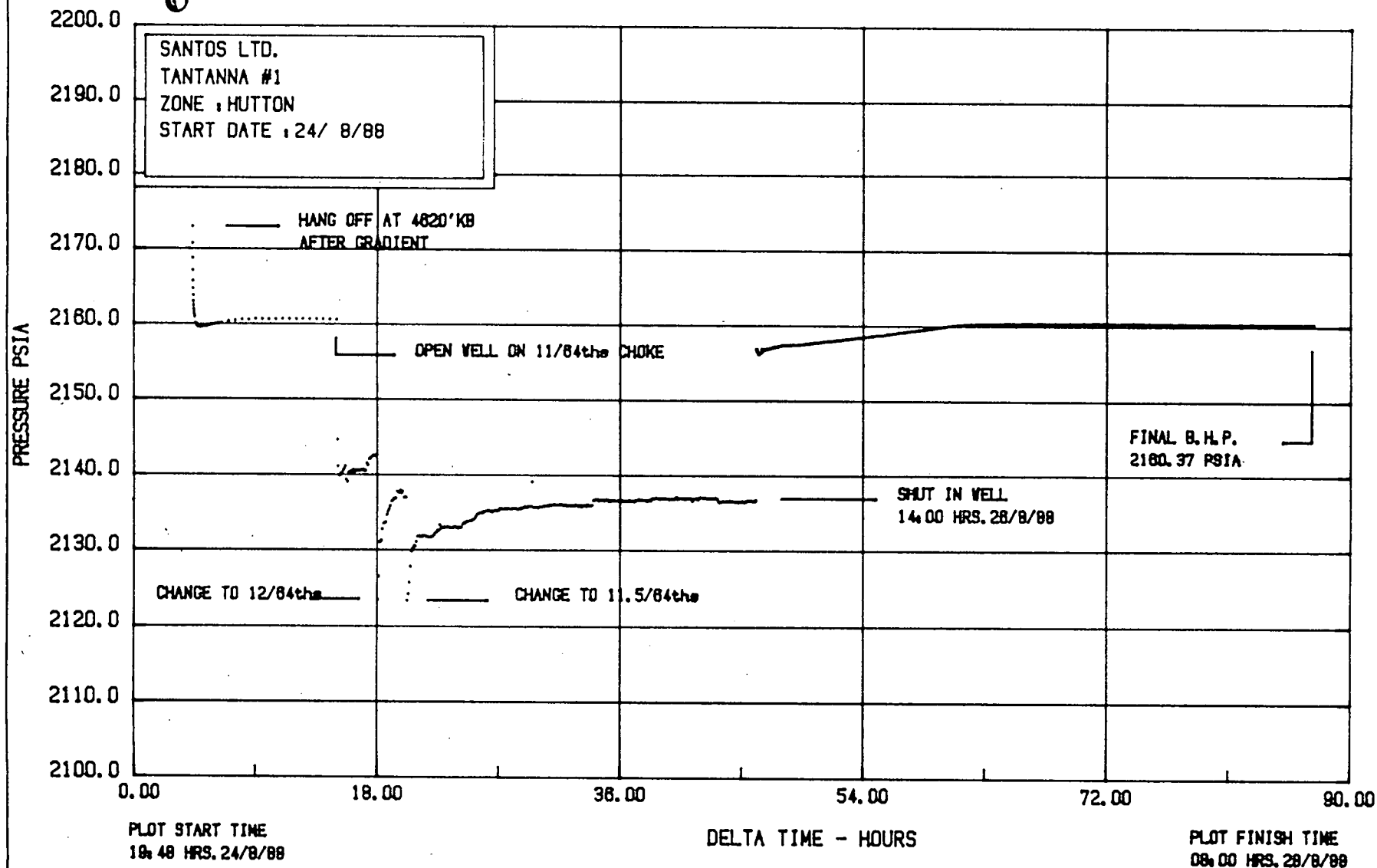
CUSTOMER : SANTOS LTD. DATE: 28/08/88 GAUGE 1 S/N: 599
LOCATION : TANTANNA #1 TEST: S.R.T./P.B.U. GAUGE 2 S/N: 0
FORMATION: HUTTON PERFORATIONS: 5369'-5380'KB GAUGE DEPTH: GRAD.
OPERATOR : H.JAMES COMMENTS: GRADIENT

DATE	REAL TIME	DELTA T (HRS)	B.H.P. (PSIA)	DELTA P (PSI)	TEMP (°F)	SURFACE (PSIG)	REMARKS
28/08/88	12:05:00	46.083	629.13	-.34	77.13		
28/08/88	12:06:00	46.100	628.74	-.39	77.10		
28/08/88	12:07:00	46.116	628.73	-.02	77.08		
28/08/88	12:08:00	46.133	628.76	.03	77.05		
28/08/88	12:09:00	46.150	628.46	-.30	77.04		
28/08/88	12:10:00	46.166	628.20	-.26	77.02		
28/08/88	12:11:00	46.183	628.23	.03	77.00		
28/08/88	12:12:00	46.200	628.34	.11	76.98		
28/08/88	12:13:00	46.216	628.14	-.20	76.97	619	(4268 KPA)
28/08/88	12:14:00	46.233	628.07	-.07	76.97		DEPRESSURE LUB.
28/08/88	12:15:00	46.250	628.09	.02	76.98		END OF SURVEY

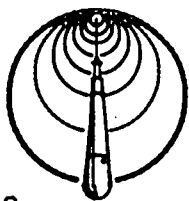


EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

LINEAR PLOT

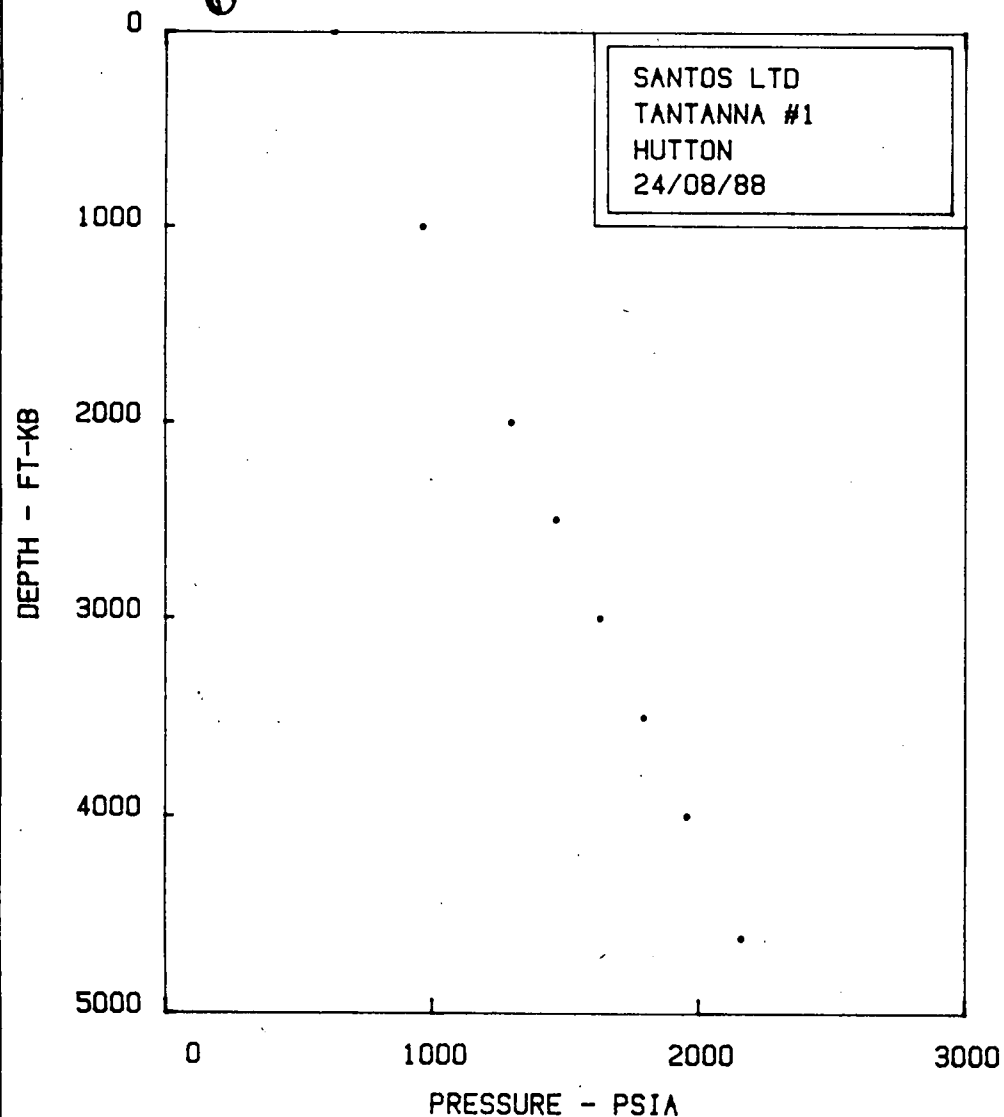


86000



EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

STATIC GRADIENT SURVEY

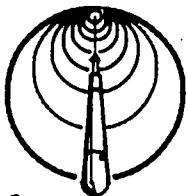


STOP	TIME	DEPTH ('KB)	PRESSURE (PSIA)	GRADIENT (PSI/FT)
1	1610	LUB.	831.35	----
2	1654	1000	963.54	0.3322
3	1738	2000	1296.74	0.3332
4	1759	2500	1463.00	0.3325
5	1830	3000	1627.86	0.3297
6	1900	3500	1792.55	0.3294
7	1937	4000	1956.26	0.3274
8	2200	4620	2159.96	0.3285

GRAD. BEFORE FLOW/BUILD UP

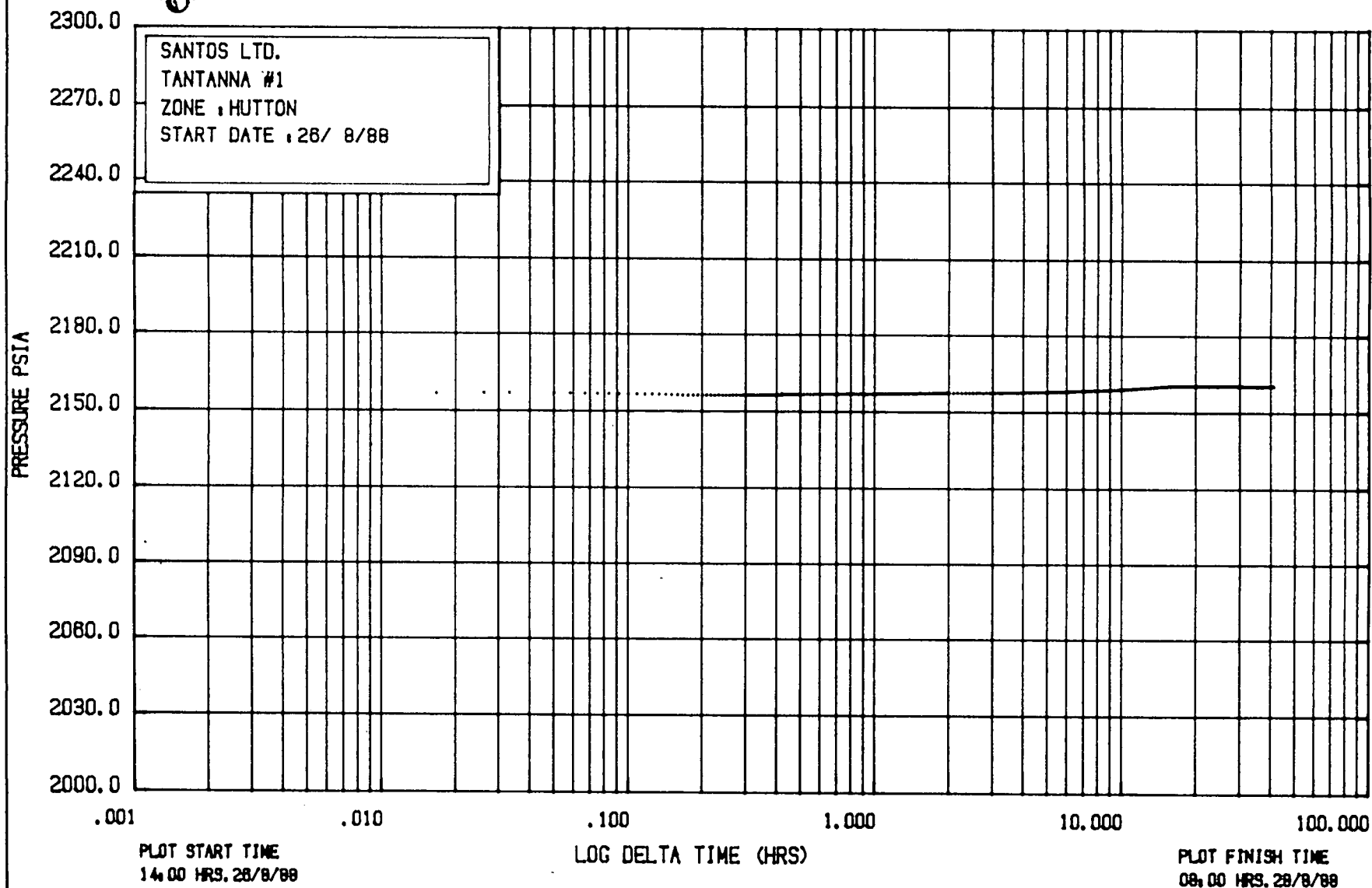
DWT IN -
825 PSI (4309 KPA)

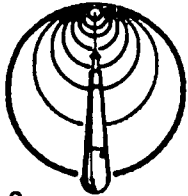
GAUGE IN -
831 PSIA (4353 KPA)



EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

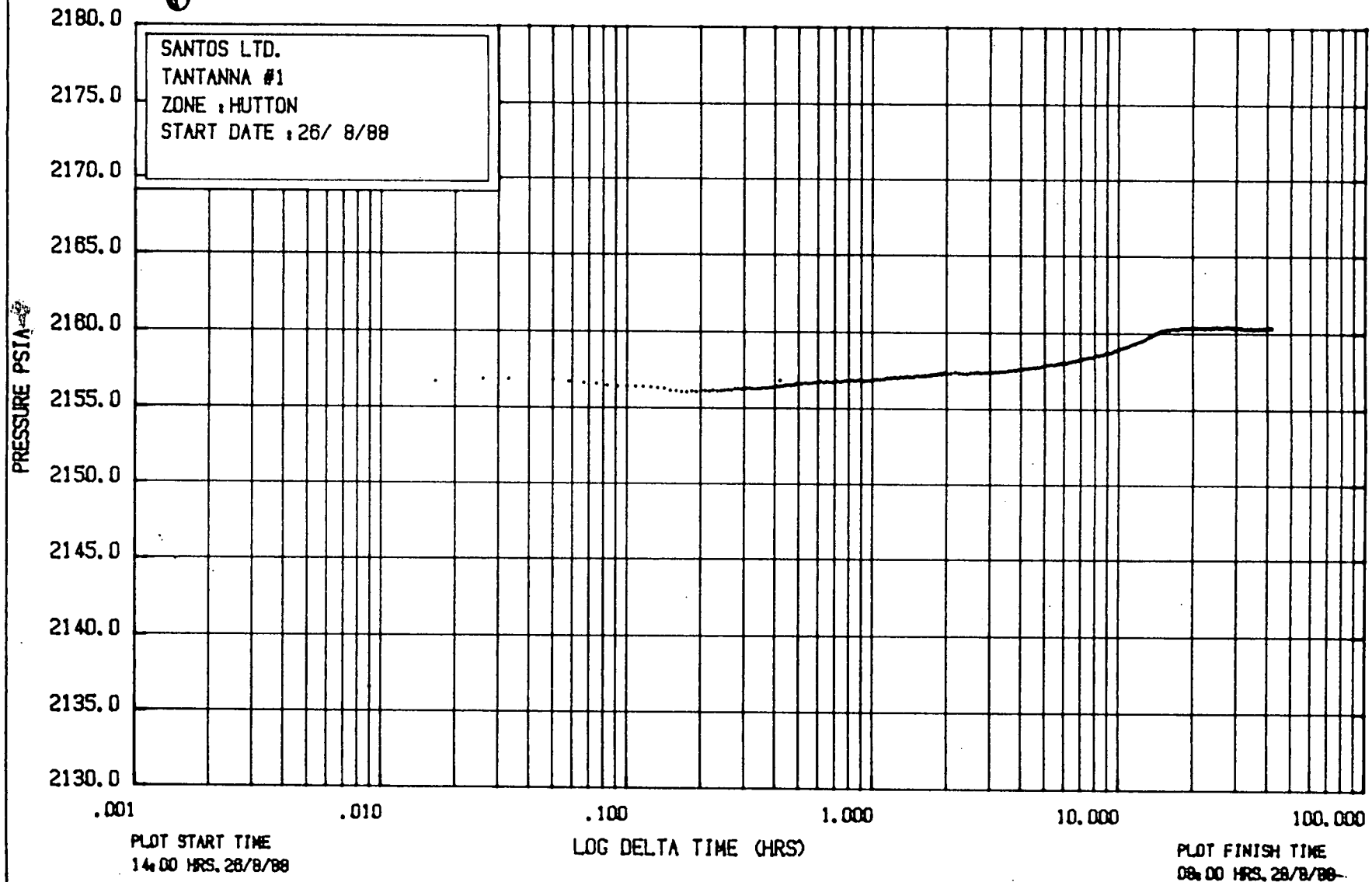
SEMI-LOG PLOT

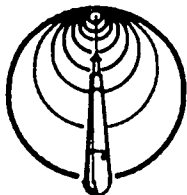




EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

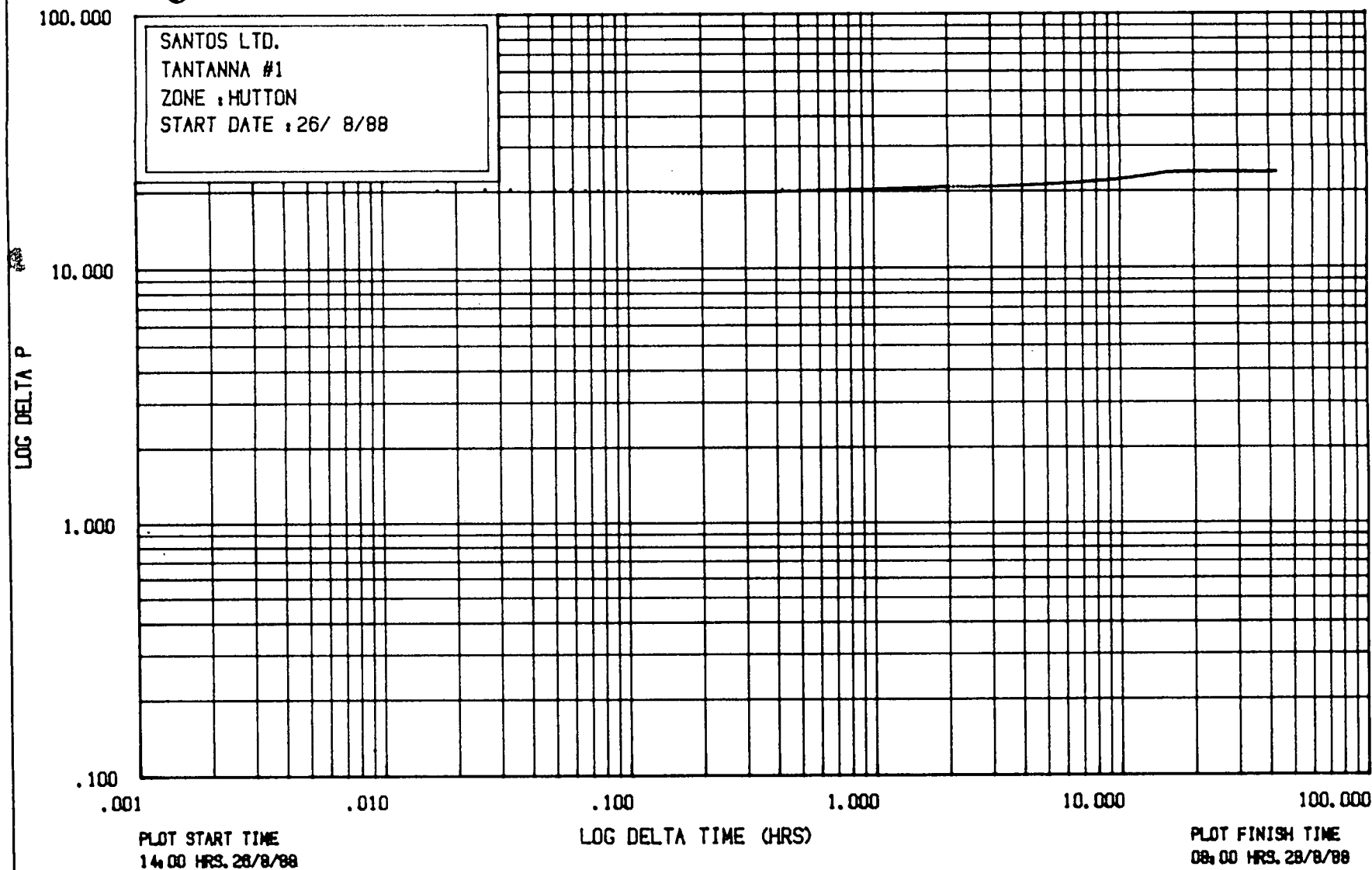
SEMI-LOG PLOT



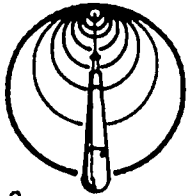


EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

LOG-LOG PLOT

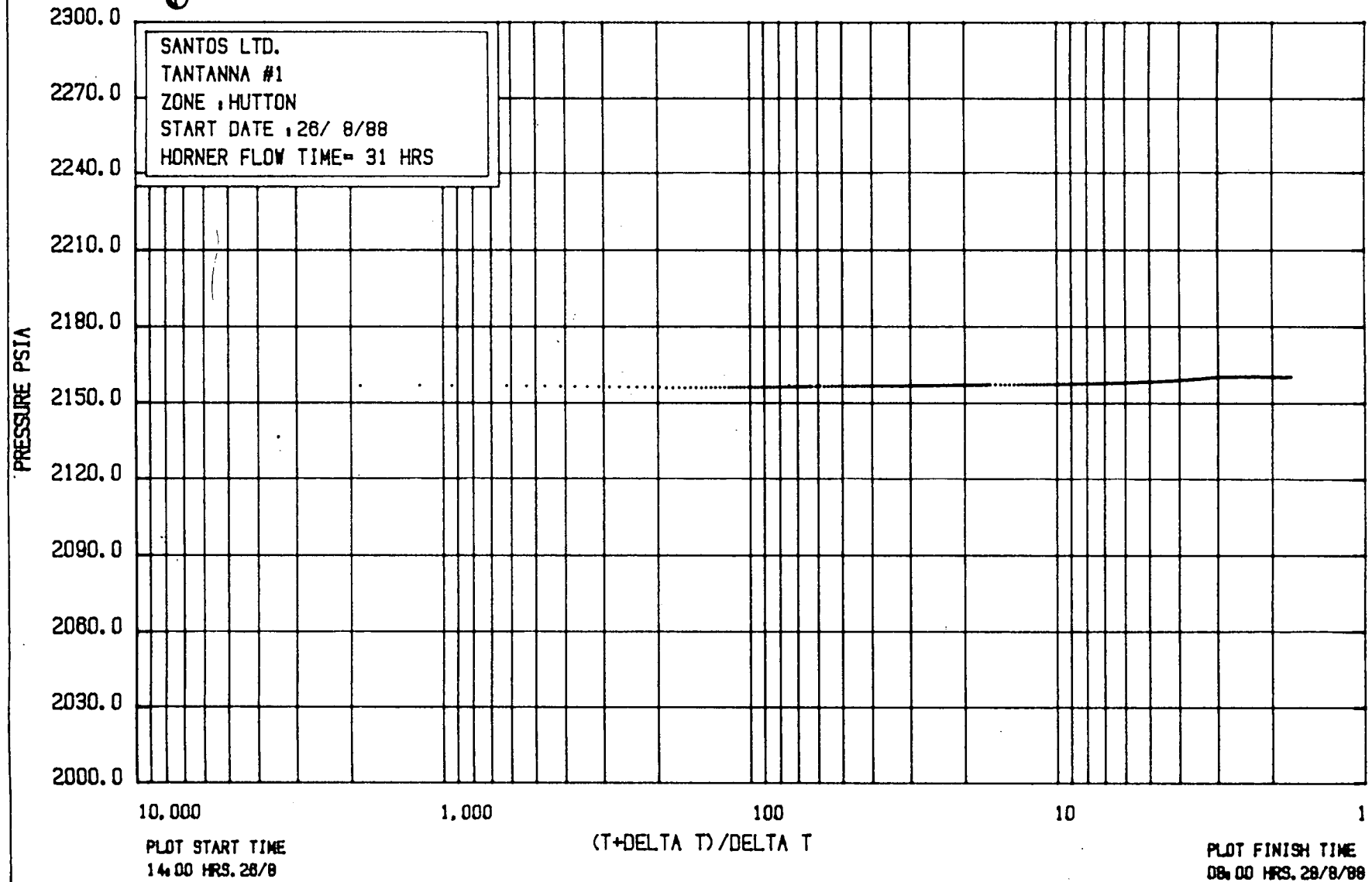


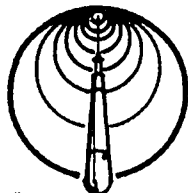
00102



EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

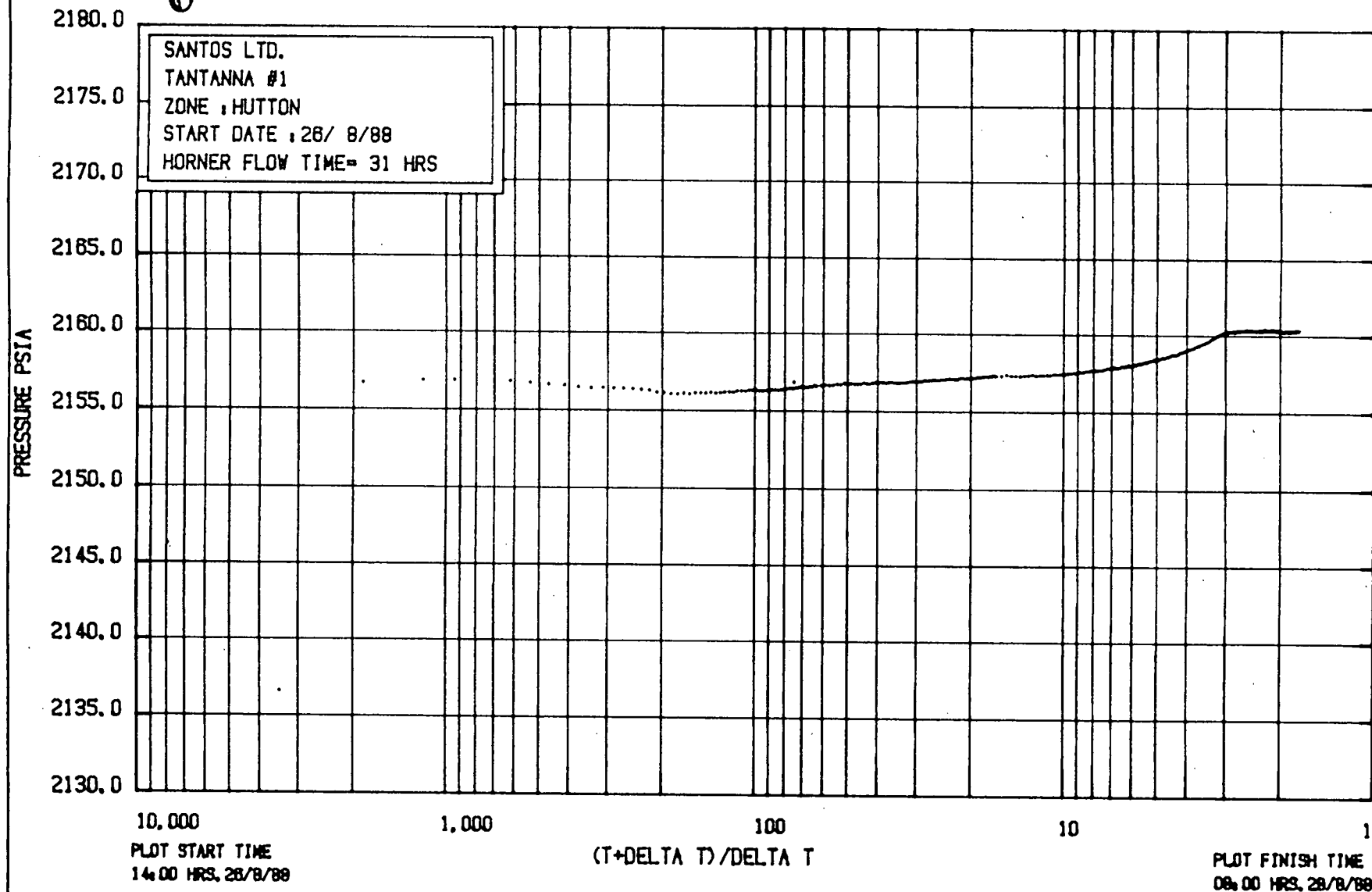
HORNER PLOT

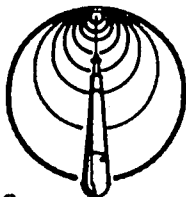




EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

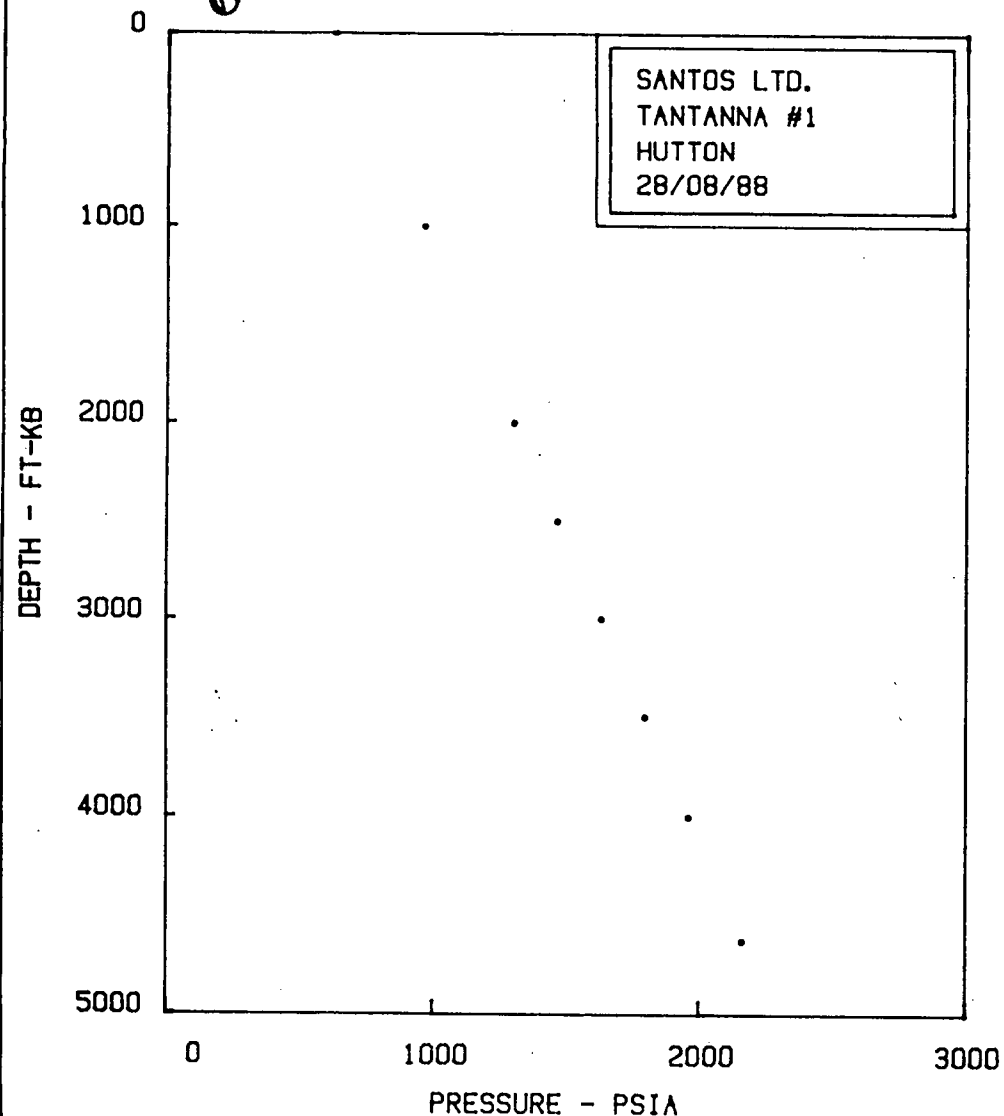
HORNER PLOT





EXPERTEST PTY LTD - ELECTRIC WIRELINE SERVICE

STATIC GRADIENT SURVEY



STOP	TIME	DEPTH ('KB)	PRESSURE (PSIA)	GRADIENT (PSI/FT)
1	800	4620	2160.37	-----
2	857	4000	1958.29	0.3259
3	929	3500	1793.98	0.3286
4	955	3000	1629.28	0.3294
5	1014	2500	1463.65	0.3313
6	1045	2000	1297.63	0.3320
7	1128	1000	981.86	0.3358
8	1215	LUB.	628.09	0.3338

GRADIENT AFTER BUILD UP

DWT OUT -
819 PSI (4288 KPA)

GAUGE OUT -
828 PSIA (4332 KPA)

CLIENT SANTOS LTD,.....		TELEPHONE 026 264 0488 TELEFAX 026 264 0489 EXPERTEST PTY LTD WIRELINE & WELL TESTING SERVICE 138 RICHMOND ROAD MAPLESTON SA 5033 POSTAL ADDRESS: PO BOX 364 GORMANDILLA 5033										WELL TANTANNA #1 HUTTON.....		
TANK:— CAPACITY.....												DATE 26.8.88.....PAGE No 1.....		
SCALE.....												OPERATOR H. JAMES.....		
DATE TIME	ELAPSED TIME HOURS	OIL/CONDENSATE PRODUCTION						WATER PRODUCTION						REMARKS
		METER READG	TANK DIP m3	TANK PROD. m3	FLOWRATE m3 / d	CUM. PROD. m3	OIL CONDENSATE GRAVITY *AP160F*	METER READG	TANK DIP	TANK PROD.	FLOWRATE	CUM. PROD.	SALINITY PPM BSW%	
25TH AUGUST 1988														
07.00	0		166.5	0	OPENING DIP				1.7					OPEN WELL 11/64ths.
09.00	2		171.0	4.5	54	4.5	46.5		1.7	0	0	0	.5	
10.00	3		173.2	2.2	52.8	6.7			"	"	"	"		CHOKE TO 12/64
11.00	4		177.2	4.0	96.0	10.7	46.0		"	"	"	"	Trace	
12.00	5		181.8	4.6	110.4	15.3			"	"	"	"		CHOKE TO 11.5/64
13.00	6		184.2	2.4	57.6	17.7	46.0		"	"	"	"	Trace	
15.00	8		191.0	6.8	81.6	24.5			"	"	"	"	Trace	
17.00	10		198.6	7.6	91.2	32.1	46.0		"	"	"	"	0	
19.00	12		204.8	6.2	74.4	38.3			"	"	"	"	0	
19.00			158.5		OPENING DIP									CHANGE TANKS
21.00	14		164.9	6.4	76.8	44.7	46.5		"	"	"	"	0	
23.00	16		170.75	5.85	70.2	50.55	46.9		"	"	"	"	0	
26TH. AUGUST 1988														
01.00	18		176.8	6.05	72.6	56.6	47.0		"	"	"	"	0	
03.00	20		183.0	6.2	74.4	62.8	47.1		"	"	"	"	0	
05.00	22		189.0	6.0	72.0	68.8	47.2		"	"	"	"	0	
07.00	24		194.7	5.7	68.4	74.5	47.2		"	"	"	"	0	
09.00	26		200.5	5.8	69.6	80.3	46.5		"	"	"	"	0	
11.00	28		206.25	5.75	69.0	86.05	46.9		"	"	"	"	0	

E3

00106

[illegible]

1022

00108



WIRELINE REPORT

CLIENT SANTOS WELL TANTANNA # 1

DATE 22-23/8/89

PROGRAMME WORK OVER

PURPOSE OF WORK REMOVE CALCIUM BUILD UP

REPORT OF WORK PERFORMED

2120 ARRIVE LOCATION, RIG UP MEDIUM DUTY WIRE LINE UNIT
 2150 R/A WITH 2.3" REAMER
 2200 PASS THROUGH FIVE TIGHT SPOTS BETWEEN TUBING
 HANGER & 68' KB
 2224 REAMER RAN CLEANLY FROM 65' KB TO 4440' KB POH
 2240 HANG UP 65' KB - HAND JAR UPWARDS
 0200 ARRIVE SURFACE, — TOOL STRING FROM SPANS JAR
 DOWN LEFT IN HOLE ADVISE MOANBA - STAND BY
 0348 R/A 2.5" RS PULLING TOOL
 0351 LATCH TOOL STRING 40' KB ATTEMPT TO JAR FREE
 0358 PIN SHEARS IN PULLING TOOL POH
 0400 ARRIVE SURFACE - REPIN RS
 0410 R/A RS PULLING TOOL
 0412 LATCH TOOL STRING POH
 0414 ARRIVE SURFACE RECOVER ALL TOOLS
 0420 R/A 2.32" REAMER - WORK REAMER THROUGH
 TIGHT SPOT WITH UP & DOWN JARRING
 0526 POH - TIE NEW ROPE JOCKET
 0535 R/A 2.32" REAMER CONTINUE WORKING REAMER
 SLOWLY BUT POSITIVE PROGRESS

Operator's Signature

WORKED PERFORMED BY R. SARGEANT OF

WELL DATA:

Tubing Size _____ FWHP _____ SIWHP _____
 Subsurface S.V./Landing Nipple @ _____ S.S.D. @ _____
 'X' Nipple @ _____ 'N'/'XN' Nipple @ _____ Other @ _____
 Min. I.D. @ _____ Packer @ _____
 Perforated Interval: _____

20LR

00109



WIRELINE REPORT

CLIENT SANTOS WELL TANTANNA #1 Lower DATE 22-23/8/09

PROGRAMME WORK OVER

PURPOSE OF WORK REMOVE CALCIUM BUILD UP

REPORT OF WORK PERFORMED

0555 ARRIVE SURFACE CHECK TOE STRING & REAMER
 0600 RE RUN 2-32" REAMER WORKING BY HAND BETWEEN
 40' KB & 68' KB JARRING UP & DOWN
 0610 ARRIVE SURFACE GOOD PROGRESS
 0615 RTH WITH 2.34" SWEDGING TOOL
 0640 NO PROGRESS POH
 0658 ARRIVE SURFACE - STAND BY WHILE RIG RUNS
 2-32" REAMER ON X BARS

Operator's Signature

WORKED PERFORMED BY _____ OF _____

WELL DATA:

Tubing Size _____ FWHP _____ SIWHP _____

Subsurface S.V./Landing Nipple @ _____ S.S.D. @ _____

'X' Nipple @ _____ 'N'/'XN' Nipple @ _____ Other _____ @ _____

Min. I.D. _____ @ _____ Packer @ _____

Perforated Interval: _____



WIRELINE REPORT

CLIENT SANTOS WELL TANTANNA # 1 Lower DATE 19.8.89

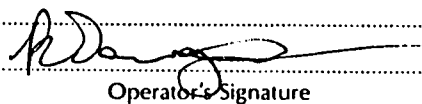
PROGRAMME Work over

PURPOSE OF WORK PRE - GRADIENT DUMMY RUN

REPORT OF WORK PERFORMED

0905 ARRIVE LOCATION, RIG UP MEDIUM DUTY WIRE LINE UNIT
 0955 RIG WITH 1.75" BLIND BOX
 1009 TAC PBTD 5975' KB POH
 1018 ARRIVE SURFACE - PREPARE GRACES FOR GRADIENT

NO OBSTRUCTIONS PRESENT


Operator's Signature

WORKED PERFORMED BY R. SARCEANT OF EXPERTEST

WELL DATA:

Tubing Size..... FWHP..... SIWHP.....

Subsurface S.V./Landing Nipple @..... S.S.D. @.....

'X' Nipple @..... 'N'/'XN' Nipple @..... Other..... @.....

Min. I.D. @ Packer @.....

Perforated Interval:

EXPERT TEST

WIRELINE & WELL TESTING SERVICE

PO BOX 354 COWANDILLA 5033

Tested Saturday, 19th August 1989.

PH. (08) 354 0488 TELEX AA87183

FAX (08) 43 7408

138 RICHMOND ROAD MARLESTON
SOUTH AUSTRALIA 5033

CLIENT	LOCATION	FORMATION
Santos Ltd.	TANTANNA #1L	0 Poolawanna

STATIC PRESSURE GRADIENT REPORT

PRESSURE ELEMENT DATA			
POSITION	SERIAL NO.	RANGE	CALIBRATED
Top	56432	3000	15/ 6/89
Bottom	62040	3000	15/ 6/89

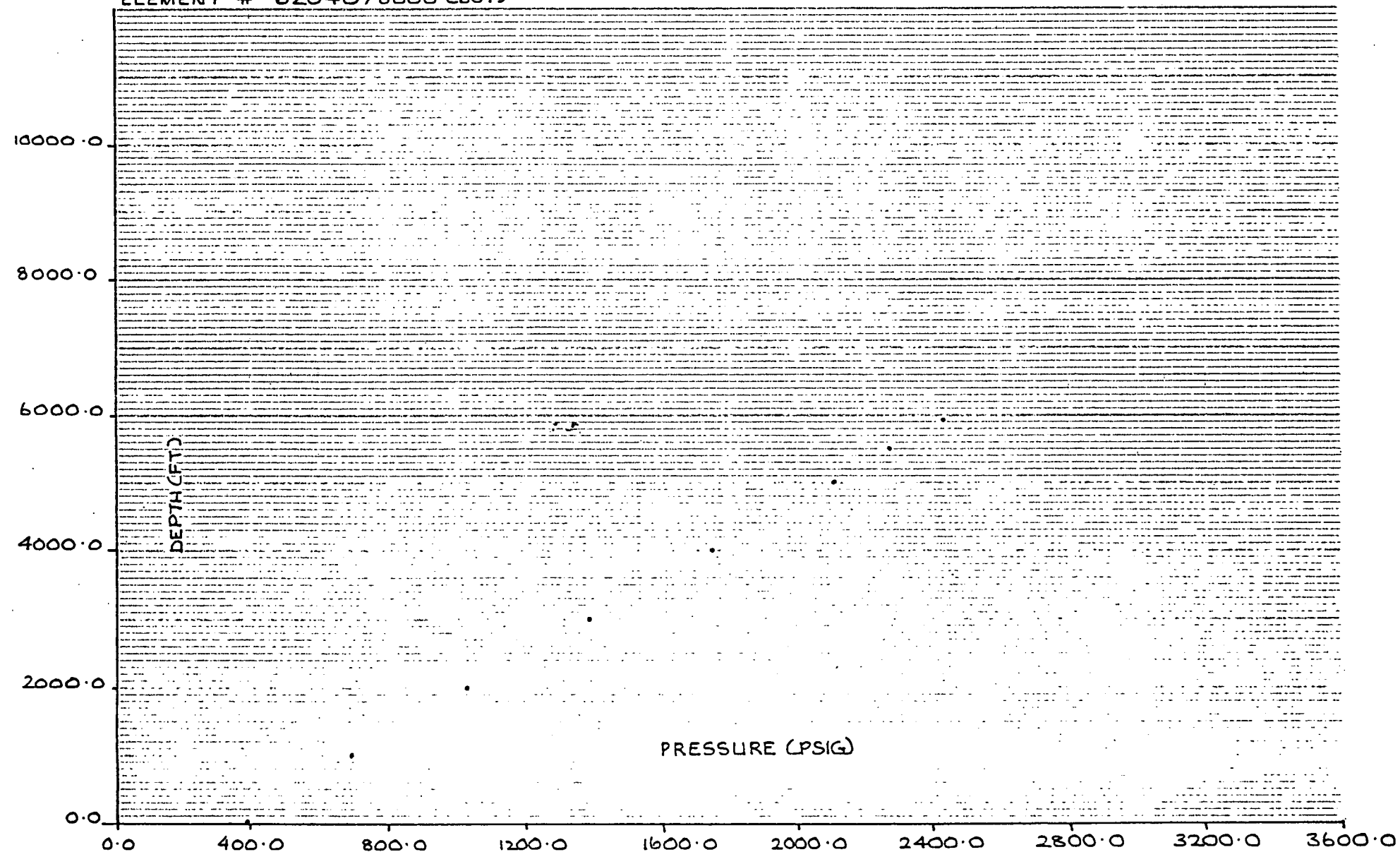
WELL DATA	
PARAMETER	VALUE
DWT In	399 PSI
DWT Out	250 PSI
Max BHT	220 F

DEPTH FT KB	TOP ELEMENT			BOTTOM ELEMENT		
	DEFLECTION INCHES	PRESSURE PSIG	GRADIENT PSI/FT	DEFLECTION INCHES	PRESSURE PSIG	GRADIENT PSI/FT
LUB.	0.2560	391.3	-----	0.2520	391.0	-----
1000	0.4545	698.1	0.307	0.4500	697.4	0.306
2000	0.6690	1030.4	0.332	0.6660	1030.6	0.333
3000	0.8990	1387.2	0.357	0.8970	1386.9	0.356
4000	1.1300	1745.5	0.358	1.1295	1745.9	0.359
5000	1.3610	2103.6	0.358	1.3605	2103.1	0.357
5500	1.4730	2277.3	0.347	1.4730	2277.1	0.348
5923	1.5750	2435.4	0.374	1.5755	2435.7	0.375
LUB.	0.1610	245.0	-----	0.1590	246.6	-----

GENERAL REMARKS

CASING: 59 PSI

TANTANNA # 1 LOWER — STATIC PRESSURE GRADIENT — 19/8/89
ELEMENT # 62040/3000 (BOT)



00112



CLIENT SANTOS
WELL TANTANNA #1 lower

STATIC GRADIENT SURVEY
OPERATOR R. SARGENT

DATE 19.8.89

[illegible]