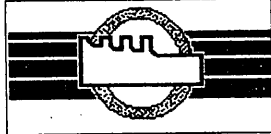




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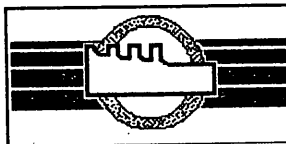
## **APPENDIX VI: DRILL STEM TEST DATA**

**EXPERTEST PTY. LTD.**

A.C.N. 008 034 062

**Production Testing  
Report****Test Details**

Customer	Santos Ltd.
Well Name	Naylor # 1
Formation	Waarre C
Perforations	6655' - 6668' KB
Type Of Test	Flow Test/BHP/SGS
Operator	N. Dover
Date Of Test	24/2/02
Reference Date	24/02/02
Reference Time	1319
Control No.	Naylor 1 270202



## EXPERTEST PTY. LTD.

### Equipment Configuration

#### General

Customer: Santos Ltd.  
 Well Name: Naylor # 1  
 Formation: Waarre C  
 Perforations: 6655' - 6668' KB  
 Type Of Test: Flow Test/BHP/SGS  
 Operator: N. Dover  
 Date Of Test: 24/2/02  
 Control No. Naylor 1 270202  
 Ref. Date: 24/02/02  
 Ref. Time: 1319

#### Metering

Orifice Meter Type: Daniel Senior  
 Meter Run Size: 2.9

#### Separator

Separator No.: 449  
 Static Pressure Range: 0-1500 PSIG  
 Differential Pressure Range: 0-200 In. WC  
 Standard Conditions: 14.75 @ 65 F

#### Tanks

No.	Unit No.	Capacity	Cap. Units	Scale	Scale Units
1	129	51.7	BBLs	0.642	BBL/inch
2	129a	8221	LTRS	1	1
3					
4					

EXPERTEST PTY. LTD.



# SEQUENCE OF EVENTS

<b>Customer:</b> Santos Ltd.	Well Name	Naylor # 1	Formation:
<b>Perforations:</b> 6655' - 6668' KB	<b>Type Of Test:</b> Flow Test/BHP/SGS		<b>Operator:</b> N. Dover
<b>Date Of Test:</b> 24/2/02			<b>Control No.:</b> Naylor 1 270202

## Description Of Events

Date	Time	Description Of Events
22/02/02	0730	Depart Adelaide for location.
	1630	Arrive at Port Campbell. Book into accommodation.
23/02/02	0600	Depart Port Campbell for location. Travel from location to Timboon Engineering and organise test equipment mobilization
	0948	Choke hydrate problems. Increase choke to 20/64ths
	0900	Arrive back on location. Commence rigging in test equipment.
	1800	Secure location. Return to Port Campbell.
24/02/02	0600	Depart Port Campbell for location.
	0620	Arrive on location. Conduct toolbox safety meeting.
	0630	Continue rigging in test equipment.
	1030	Complete test equipment rig in. Rig in wireline equipment.
	1300	Set up dual EMP-Q gauges on 10 second readings with a PT ratio of 4:1.
	1319	Engage battery to top gauge # 2208.
	1321	Engage battery to bottom gauge # 2209.
	1343	Gauges in lubricator. Pressure up lubricator. SITHP = 2357psi.
	1400	Rih gauges performing static gradient stops at 1000', 2000', 3000', 4000', 5000', 6000', 6500'KB.
	1523	Gauges at hang depth of 6720'KB. Secure wireline unit.
	1600	Pressure test lines from wellhead to heater choke to full SITHP.
	1630	Pressure test lines from heater choke to Separator to 1000psi.
	1730	Function test Separator and Heater.
	1810	Secure location. Return to Port Campbell.
25/02/02	0715	Arrive on location. Conduct toolbox safety meeting.
25/02/02	0750	Spartek gauge fitted and turned on. Start heater burner.
25/02/02	0900	Prepare to flow well.
25/02/02	0933	Open well to flare on 12/64ths choke. Separator on bypass.
25/02/02	0948	Choke hydrating. Increase choke to 16/64ths.
25/02/02	0959	Increase choke to 20/64ths.
25/02/02	1017	Shut well in due to hydrate problems. Heater to stay lit to increase water temperature to 60-70 C.
25/02/02	1220	Water temperature up to 65 C. Open well to flare on 16/64ths choke. trim flow through separator.
25/02/02	1300	Commence test. 1.75" orifice plate installed. H2S level 0%, Co2 level 2%.
25/02/02	1600	Shut well in due to flare restrictions. End flow test at 16/64ths choke setting.
26/02/02	0630	Arrive on location. Conduct toolbox safety meeting.
26/02/02	0645	Start heater to bring water temperature up to 70c.
26/02/02	0910	Open well to flare on 24/64ths choke.

EXPERTEST PTY. LTD.



### SEQUENCE OF EVENTS

**Customer:** Santos Ltd.      **Well Name:** Naylor # 1      **Formation:** Waarre C  
**Perforations:** 6655' - 6668' KB      **Type Of Test:** Flow Test/BHP/SGS      **Operator:** N. Dover  
**Date Of Test:** 24/2/02      **Control No.:** Naylor 1 270202

Date	Time	Description Of Events
26/02/02	0915	Trim flow through Separator.
26/02/02	0915	Trim flow through Separator.
26/02/02	0945	Commence test, 2.25" orifice plate in service. Bleed surface casing to zero.
26/02/02	1015	Bleed of pressure in surface casing. Drop vessel pressure to avoid hydrates in flare line.
26/02/02	1200	Obtain first set of HP samples - HP oil # 357, HP gas # 309.
26/02/02	1300	Obtain Second set of HP samples. HP oil # 459, HP Gas # 358.
26/02/02	1335	Increase choke to 32/64ths.
26/02/02	1530	Shut well in for buildup. End flow test.
27/02/02	0650	Arrive on location. Conduct toolbox safety meeting.
27/02/02	0655	Prepare to POOH with gauges
27/02/02	0722	POOH with gauges performing SGS to surface.
27/02/02	0835	Gauges in lubricator.
27/02/02	0850	Depressure lubricator. Rig out gauges.
27/02/02	0926	Disengage battery from top gauge.
27/02/02	0927	Disengage battery from bottom gauge.
27/02/02	0930	Rig out wireline equipment.
27/02/02	1000	Download gauges and generate reports.
27/02/02	1230	Rig out test equipment. Transport to Croft # 1.
27/02/02	1700	Secure location overnight. Timboon transport to shift test equipment on 28/02/02.

# FIELD READINGS

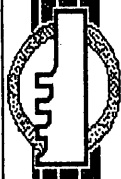
EXPERTEST PTY. LTD.



Customer:	Santos Ltd.	Well Name:	Naylor # 1
Perforations:	6655' - 6668' KB	Type Of Test:	Flow Test/BHP/SGS
Date Of Test:	24/2/02	Formation:	Waarre C
		Operator:	N. Dover
		Control No.:	Naylor 1 270202

Date	Time	WELLHEAD DATA				SEPARATOR DATA				LIQUID PRODUCTION									
		Time (Hours)	Elapsed Time (Hours)	Pressures Tubing	Pressures Casing	Well-Head Temp.	Choke Size	BS & W Grav. (%)	Orifice Plate (Inch)	Static Pressure	Differential Pressure	Gas Temp	Tnk No.	Total Liquid	Oil Dip	Water Dip	Dip Units	Oil API Gravity @ 60° F	
25/02/02	0933	20.2333	2353	0 PSI	14 °C	12	64th												
25/02/02	0933	20.2333	Open well to flare on 12/64ths choke. Separator on bypass.																
25/02/02	0936	20.2833	2345	0 PSI	15 °C	12	64th												
25/02/02	0948	20.4833	2320	0 PSI	15 °C	16	64th												
25/02/02	0948	20.4833	Choke hydrating. Increase choke to 16/64ths.																
25/02/02	0959	20.6667	2338	0 PSI	17 °C	20	64th												
25/02/02	0959	20.6667	Increase choke to 20/64ths.																
25/02/02	1008	20.8167	2283	0 PSI	17 °C	20	64th												
25/02/02	1012	20.8833	2294	0 PSI	17 °C	20	64th												
25/02/02	1014	20.9167	2300	0 PSI	17 °C	20	64th												
25/02/02	1017	20.9667	2303	0 PSI	17 °C	20	64th												
25/02/02	1017	20.9667	Shut well in due to hydrate problems. Heater to stay lit to increase water temperature to 60-70 C.																
25/02/02	1220	23.0167	2356	0 PSI	28 °C	16	64th												
25/02/02	1220	23.0167	Water temperature up to 65 C. Open well to flare on 16/64ths choke. trim flow through separator.																
25/02/02	1225	23.1000	2306	0 PSI	29 °C	16	64th												
25/02/02	1230	23.1833	2307	0 PSI	29 °C	16	64th												
25/02/02	1235	23.2667	2310	0 PSI	30 °C	16	64th												
25/02/02	1245	23.4333	2313	0 PSI	31 °C	16	64th												
25/02/02	1300	23.6833	2318	0 PSI	31 °C	16	64th												
25/02/02	1300	23.6833	Commence test. 1.75" orifice plate installed. H2S level 0%, Co2 level 2%.																
25/02/02	1315	23.9333	2322	0 PSI	34 °C	16	64th	1.750	0.7	768 PSI	77 In WC	31 °C	2	475.00		475.00	Ltrs		
25/02/02	1330	24.1833	2324	0 PSI	34 °C	16	64th	1.750	0.7	760 PSI	76 In WC	29 °C	2	475.00	0.00	475.00	Ltrs		
25/02/02	1345	24.4333	2325	0 PSI	31 °C	16	64th	1.750	0.7	752 PSI	74 In WC	28 °C	2	475.00	0.00	475.00	Ltrs		
25/02/02	1400	24.6833	2325	0 PSI	28 °C	16	64th	1.750	0.7	750 PSI	74 In WC	26 °C	2	600.00	125.00	475.00	Ltrs		
25/02/02	1415	24.9333	2326	0 PSI	27 °C	16	64th	1.750	0.7	747 PSI	74 In WC	26 °C	2	675.00	200.00	475.00	Ltrs		
25/02/02	1430	25.1833	2326	0 PSI	28 °C	16	64th	1.750	0.7	749 PSI	74 In WC	25 °C	2	750.00	275.00	475.00	Ltrs		
25/02/02	1445	25.4333	2325	0 PSI	29 °C	16	64th	1.750	0.7	751 PSI	75 In WC	25 °C	2	810.00	335.00	475.00	Ltrs		
25/02/02	1500	25.6833	2325	0 PSI	28 °C	16	64th	1.750	0.7	749 PSI	75 In WC	25 °C	2	890.00	415.00	475.00	Ltrs		
25/02/02	1515	25.9333	2324	0 PSI	28 °C	16	64th	1.750	0.7	758 PSI	76 In WC	25 °C	2	930.00	455.00	475.00	Ltrs		

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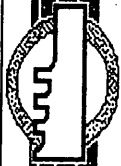
# FIELD READINGS

<b>Customer:</b> Santos Ltd.	<b>Well Name:</b> Naylor # 1	<b>Formation:</b> Waarre C
<b>Perforations:</b> 6655' - 6668' KB	<b>Type Of Test:</b> Flow Test/BHP/ISGS	<b>Operator:</b> N. Dover
<b>Date Of Test:</b> 24/2/02		<b>Control No.:</b> Naylor 1 270202

Date	Time	Elapsed Time (Hours)	WELL HEAD DATA			SEPARATOR DATA				LIQUID PRODUCTION										
			Pressures Tubing	Pressures Casing	Units	Well-Head Temp.	Choke Size	BS &W (%)	Orifice Spec. Plate Grav. (Inch)	Static Pressure	Differential Pressure	Gas Temp	Tnk No.	Total Liquid	Oil Dip	Water Dip	Dip Units	Oil/API Gravity @ 60° F		
25/02/02	1530	26.1833	2321	0	PSI	28 °C	16	64th		1.750	0.7	783 PSI	77 In WC	25 °C	2	1000.00	525.00	475.00	Ltrs	
25/02/02	1545	26.4333	2320	0	PSI	28 °C	16	64th		1.750	0.7	794 PSI	77 In WC	25 °C	2	1080.00	605.00	475.00	Ltrs	
25/02/02	1600	26.6833	2320	0	PSI	29 °C	16	64th		1.750	0.7	795 PSI	78 In WC	26 °C	2	1140.00	665.00	475.00	Ltrs	
25/02/02	1600	26.6833	Shut well in due to flare restrictions. End flow test at 16/64ths choke setting.																	
26/02/02	0630	41.1833	Arrive on location. Conduct toolbox safety meeting.																	
26/02/02	0645	41.4333	Start heater to bring water temperature up to 70c.																	
26/02/02	0910	43.8500	2354	12	PSI	16 °C	24	64th			0.7									
26/02/02	0910	43.8500	Open well to flare on 24/64ths choke.																	
26/02/02	0915	43.9333	2164	55	PSI	16 °C	24	64th			0.7									
26/02/02	0915	43.9333	Trim flow through Separator.																	
26/02/02	0915	43.9333	2164	55	PSI	16 °C	24	64th			0.7									
26/02/02	0915	43.9333	Trim flow through Separator.																	
26/02/02	0925	44.1000	2171	90	PSI	17 °C	24	64th			0.7									
26/02/02	0930	44.1833	2178	170	PSI	18 °C	24	64th			0.7									
26/02/02	0945	44.4333	2184	243	PSI	17 °C	24	64th			0.7	628 PSI	98 In WC	17 °C	2	1360.00	885.00	475.00		
26/02/02	0945	44.4333	Commence test, 2.25" orifice plate in service. Bleed surface casing to zero.																	
26/02/02	0946	44.4500					24	64th			0.7									
26/02/02	1000	44.6833	2186	128	PSI	18 °C	24	64th			0.7	650 PSI	94 In WC	16 °C	2	1580.00	1105.00	475.00		
26/02/02	1015	44.9333	2187	195	PSI	19 °C	24	64th			0.7	482 PSI	132 In WC	11 °C	2	1750.00	1275.00	475.00		
26/02/02	1015	44.9333	Bleed of pressure in surface casing. Drop vessel pressure to avoid hydrates in flare line.																	
26/02/02	1045	45.4333	2190	0	PSI	19 °C	24	64th			0.7	450 PSI	143 In WC	10 °C	2	1875.00	1400.00	475.00		
26/02/02	1100	45.6833	2187	0	PSI	19 °C	24	64th			0.7	425 PSI	156 In WC	13 °C	2	2225.00	1750.00	475.00		
26/02/02	1115	45.9333	2185	0	PSI	20 °C	24	64th			0.7	426 PSI	162 In WC	15 °C	2	2380.00	1905.00	475.00		
26/02/02	1130	46.1833	2186	0	PSI	20 °C	24	64th			0.7	428 PSI	162 In WC	17 °C	2	2580.00	2105.00	475.00		
26/02/02	1145	46.4333	2188	0	PSI	20 °C	24	64th			0.7	428 PSI	162 In WC	18 °C	2	2740.00	2265.00	475.00		
26/02/02	1200	46.6833	2189	0	PSI	20 °C	24	64th			0.7	428 PSI	162 In WC	19 °C	2	2890.00	2415.00	475.00		60.3
26/02/02	1200	46.6833	Obtain first set of HP samples - HP oil # 357, HP gas # 309.																	
26/02/02	1230	47.1833	2192	0	PSI	21 °C	24	64th			0.7	428 PSI	163 In WC	23 °C	2	3225.00	2750.00	475.00		

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# FIELD READINGS

Customer:	Santos Ltd.	Well Name:	Naylor # 1
Performations:	6655' - 6668' KB	Type Of Test:	Flow Test/BHP/SGS
Date Of Test:	24/2/02	Formation:	Waarre C
		Operator:	N. Dover
		Control No.:	Naylor 1 270202

Date	Time	WELL HEAD DATA					SEPARATOR DATA					LIQUID PRODUCTION						
		Elapsed Time (Hours)	Pressures	Well-Head Temp.	Choke Size	BS & W (%)	Orifice Plate (Inch)	Spec. Grav.	Static Pressure	Differential Pressure	Gas Temp	Tnk No.	Total Liquid	Oil Dip	Water Dip	Dip Units	Oil-API Gravity @ 60° F	
26/02/02	1245	47.4333	2193	0 PSI	21 °C	24	64th		2.250	0.7	428 PSI	163 In WC	24 °C	2	3340.00	2865.00	475.00	
26/02/02	1300	47.6833	2195	0 PSI	23 °C	24	64th		2.250	0.7	428 PSI	163 In WC	25 °C	2	3480.00	3005.00	475.00	
26/02/02	1300	47.6833	Obtain Second set of HP samples. HP oil # 459, HP Gas # 358.															
26/02/02	1315	47.9333	2195	0 PSI	23 °C	24	64th		2.250	0.7	430 PSI	164 In WC	26 °C	2	3600.00	3125.00	475.00	
26/02/02	1330	48.1833	2196	0 PSI	23 °C	24	64th		2.250	0.7	430 PSI	164 In WC	26 °C	2	3725.00	3250.00	475.00	
26/02/02	1335	48.2667	Increase choke to 32/64ths.															
26/02/02	1345	48.4333	1995	0 PSI	22 °C	32	64th		2.250	0.7	988 PSI	154 In WC	35 °C	2	3950.00	3475.00	475.00	
26/02/02	1400	48.6833	1999	0 PSI	23 °C	32	64th		2.250	0.7	991 PSI	154 In WC	35 °C	2	4150.00	3675.00	475.00	
26/02/02	1415	48.9333	2007	0 PSI	23 °C	32	64th		2.250	0.7	985 PSI	154 In WC	34 °C	2	4350.00	3875.00	475.00	
26/02/02	1430	49.1833	2009	0 PSI	23 °C	32	64th		2.250	0.7	985 PSI	154 In WC	33 °C	2	4480.00	4005.00	475.00	
26/02/02	1445	49.4333	2013	0 PSI	23 °C	32	64th		2.250	0.7	990 PSI	154 In WC	33 °C	2	4655.00	4180.00	475.00	
26/02/02	1500	49.6833	2017	0 PSI	23 °C	32	64th		2.250	0.7	990 PSI	154 In WC	33 °C	2	4825.00	4350.00	475.00	
26/02/02	1515	49.9333	2018	0 PSI	23 °C	32	64th		2.250	0.7	986 PSI	154 In WC	33 °C	2	4995.00	4520.00	475.00	
26/02/02	1530	50.1833	2018	0 PSI	23 °C	32	64th		2.250	0.7	986 PSI	154 In WC	33 °C	2	5165.00	4690.00	475.00	
26/02/02	1530	50.1833	Shut well in for buildup. End flow test.															
27/02/02	0650	65.5167	Arrive on location. Conduct toolbox safety meeting.															
27/02/02	0655	65.6000	Prepare to POOH with gauges															
27/02/02	0722	66.0500	2357	0 PSI														
27/02/02	0722	66.0500	POOH with gauges performing SGS to surface.															
27/02/02	0835	67.2667	2357	0 PSI														
27/02/02	0835	67.2667	Gauges in lubricator.															
27/02/02	0850	67.5167	2357	0 PSI														
27/02/02	0850	67.5167	Depressure lubricator. Rig out gauges.															
27/02/02	0926	68.1167	Disengage battery from top gauge.															
27/02/02	0927	68.1333	Disengage battery from bottom gauge.															
27/02/02	0930	68.1833	Rig out wireline equipment.															
27/02/02	1000	68.6833	Download gauges and generate reports.															
27/02/02	1230	71.1833	Rig out test equipment. Transport to Croft # 1.															





EXPERTEST PTY. LTD.



# TEST RESULTS

<b>Customer:</b> Santos Ltd.	<b>Well Name:</b> Naylor # 1	<b>Formation:</b> Waarre C
<b>Perforations:</b> 6655' - 6668' KB	<b>Type Of Test:</b> Flow Test/BHP/SGS	<b>Operator:</b> N. Dover
<b>Date Of Test:</b> 24/2/02		<b>Control No.:</b> Naylor 1 270202

Date	Time	Elapsed Time (Hours)	WELLHEAD DATA			SEPARATOR		FLOW RATES			CUMULATIVE PRODUCTION						
			Tubing Pressure (kPa)	Annulus Pressure (kPa)	Wellhead Temp (°C)	Choke Size (64th)	Pressure (kPa)	Temp (°C)	Gas Flow Rate (m <sup>3</sup> 10 <sup>2</sup> /D)	Oil Flow Rate (m <sup>3</sup> /D)	Water Flow Rate (m <sup>3</sup> /D)	Gas (m <sup>3</sup> 10 <sup>2</sup> )	Oil (m <sup>3</sup> )	Water (m <sup>3</sup> )	W.G.R. (m <sup>3</sup> /10 <sup>6</sup> m <sup>3</sup> )	O.G.R. (m <sup>3</sup> /10 <sup>6</sup> m <sup>3</sup> )	
25/02/02	0933	0.0000	16223	0	14	12											
25/02/02	0936	0.0500	16168	0	15	12											
25/02/02	0948	0.2500	15996	0	15	16											
25/02/02	0959	0.4333	16120	0	17	20											
25/02/02	1008	0.5833	15741	0	17	20											
25/02/02	1012	0.6500	15817	0	17	20											
25/02/02	1014	0.6833	15858	0	17	20											
25/02/02	1017	0.7333	15879	0	17	20											
25/02/02	1220	2.7833	16244	0	28	16											
25/02/02	1225	2.8667	15899	0	29	16											
25/02/02	1230	2.9500	15906	0	29	16											
25/02/02	1235	3.0333	15927	0	30	16											
25/02/02	1245	3.2000	15948	0	31	16											
25/02/02	1300	3.4500	15982	0	31	16											
25/02/02	1315	3.7000	16010	0	34	16	5295	31	141.533	0.00	0.00	21.82	0.00	0.00	0.00		
25/02/02	1330	3.9500	16024	0	34	16	5240	29	140.523	0.00	0.00	23.28	0.00	0.00	0.00		
25/02/02	1345	4.2000	16030	0	31	16	5185	28	138.196	0.00	0.00	24.72	0.00	0.00	0.00		
25/02/02	1400	4.4500	16030	0	28	16	5171	26	138.740	12.00	0.00	26.17	0.13	0.00	0.00	86.49	
25/02/02	1415	4.7000	16037	0	27	16	5150	26	138.421	7.20	0.00	27.61	0.20	0.00	0.00	52.02	
25/02/02	1430	4.9500	16037	0	28	16	5164	25	139.017	7.20	0.00	29.06	0.28	0.00	0.00	51.79	
25/02/02	1445	5.2000	16030	0	29	16	5178	25	140.168	5.76	0.00	30.52	0.34	0.00	0.00	41.09	
25/02/02	1500	5.4500	16030	0	28	16	5164	25	139.954	7.68	0.00	31.98	0.42	0.00	0.00	54.88	
25/02/02	1515	5.7000	16024	0	28	16	5226	25	141.856	3.84	0.00	33.45	0.46	0.00	0.00	27.07	
25/02/02	1530	5.9500	16003	0	28	16	5399	25	145.488	6.72	0.00	34.97	0.53	0.00	0.00	46.19	
25/02/02	1545	6.2000	15996	0	28	16	5474	25	146.670	7.68	0.00	36.50	0.61	0.00	0.00	52.36	
25/02/02	1600	6.4500	15996	0	29	16	5481	26	147.308	5.76	0.00	38.03	0.67	0.00	0.00	39.10	
26/02/02	0910	23.6167	16230	83	16	24											
26/02/02	0915	23.7000	14920	379	16	24											

# TEST RESULTS


EXPERTEST PTY. LTD.



Customer: Santos Ltd. Well Name: Naylor # 1 Formation: Waarre C  
 Perforations: 6655 - 6668' KB Type Of Test: Flow Test/BHP/SGS Operator: N. Dover  
 Date Of Test: 24/2/02 Control No.: Naylor 1 270202

Date	Time	Elapsed Time (Hours)	WELL-HEAD DATA			SEPARATOR		FLOW RATES			CUMULATIVE PRODUCTION						
			Tubing Pressure (kPa)	Annulus Pressure (kPa)	Wellhead Temp (°C)	Choke Size (64th)	Pressure (kPa)	Temp (°C)	Gas Flow Rate (m³/10³D)	Oil Flow Rate (m³/D)	Water Flow Rate (m³/D)	Gas (m³·10³)	Oil (m³)	Water (m³)	W.G.R. (m³/10⁶m³)	O.G.R. (m³/10⁶m³)	
26/02/02	0915	23.7000	14920	379	16	24											
26/02/02	0925	23.8667	14969	621	17	24											
26/02/02	0930	23.9500	15017	1172	18	24											
26/02/02	0945	24.2000	15058	1675	17	24	4330	17	284.729	0.30	0.00	0.00	248.61	0.89	0.00		1.04
26/02/02	0946	24.2167				24											
26/02/02	1000	24.4500	15072	883	18	24	4482	16	285.174	22.63	0.00	0.00	251.58	1.11	0.00		79.35
26/02/02	1015	24.7000	15079	1344	19	24	3323	11	289.673	16.32	0.00	0.00	254.60	1.28	0.00		56.34
26/02/02	1045	25.2000	15100	0	19	24	3103	10	291.150	6.00	0.00	0.00	260.67	1.40	0.00		20.61
26/02/02	1100	25.4500	15079	0	19	24	2930	13	292.701	33.60	0.00	0.00	263.71	1.75	0.00		114.79
26/02/02	1115	25.7000	15065	0	20	24	2937	15	297.237	14.88	0.00	0.00	266.81	1.91	0.00		50.06
26/02/02	1130	25.9500	15072	0	20	24	2951	17	296.575	19.20	0.00	0.00	269.90	2.11	0.00		64.74
26/02/02	1145	26.2000	15086	0	20	24	2951	18	295.881	15.36	0.00	0.00	272.98	2.27	0.00		51.91
26/02/02	1200	26.4500	15093	0	20	24	2951	19	295.193	14.40	0.00	0.00	276.06	2.42	0.00		48.78
26/02/02	1230	26.9500	15113	0	21	24	2951	23	293.408	16.08	0.00	0.00	282.17	2.75	0.00		54.80
26/02/02	1245	27.2000	15120	0	21	24	2951	24	292.749	11.04	0.00	0.00	285.22	2.87	0.00		37.71
26/02/02	1300	27.4500	15134	0	23	24	2951	25	292.096	13.44	0.00	0.00	288.26	3.01	0.00		46.01
26/02/02	1315	27.7000	15134	0	23	24	2965	26	293.064	11.52	0.00	0.00	291.31	3.13	0.00		39.31
26/02/02	1330	27.9500	15141	0	23	24	2965	26	293.064	12.00	0.00	0.00	294.37	3.25	0.00		40.95
26/02/02	1345	28.2000	13755	0	22	32	6812	35	440.859	21.60	0.00	0.00	298.96	3.48	0.00		49.00
26/02/02	1400	28.4500	13783	0	23	32	6833	35	441.642	19.20	0.00	0.00	303.56	3.68	0.00		43.47
26/02/02	1415	28.7000	13838	0	23	32	6791	34	441.363	19.20	0.00	0.00	308.16	3.88	0.00		43.50
26/02/02	1430	28.9500	13852	0	23	32	6791	33	442.666	12.48	0.00	0.00	312.77	4.01	0.00		28.19
26/02/02	1445	29.2000	13879	0	23	32	6826	33	443.986	16.80	0.00	0.00	317.39	4.18	0.00		37.84
26/02/02	1500	29.4500	13907	0	23	32	6826	33	443.986	16.32	0.00	0.00	322.02	4.35	0.00		36.76
26/02/02	1515	29.7000	13914	0	23	32	6798	33	442.931	16.32	0.00	0.00	326.63	4.52	0.00		36.85
26/02/02	1530	29.9500	13914	0	23	32	6798	33	442.931	16.32	0.00	0.00	331.25	4.69	0.00		36.85

# GAS FLOW CALCULATIONS

<b>EXPERTEST PTY. LTD.</b>	<b>Customer:</b> Santos Ltd.	<b>Well Name:</b> Naylor # 1	<b>Formation:</b> Waarre C
	<b>Perforations:</b> 6655' - 6668' KB	<b>Type Of Test:</b> Flow Test/BHP/SGS	<b>Operator:</b> N. Dover
	<b>Date Of Test:</b> 24/2/02		<b>Control No.:</b> Naylor 1 270202

<b>Orifice Meter Type:</b> Daniel Senior	<b>Static Pressure Range:</b> 0-1500 PSIG	<b>Separator No:</b> 449
<b>Meter Run Size:</b> 2.9 0	<b>Differential Pressure Range:</b> 0-200 In. WC	<b>Stand. Conditions:</b> 14.75 @ 65 F

Date	Time	Elapsed Time (Hours)	Choke Size (64th)	Static Press P <sub>f</sub> (PSIA)	Diff Press H <sub>w</sub> (In. WC)	Gas Flow Temp (°F)	Gas Spec. Grav.	Orifice Plate Size (Ins)	√(P <sub>f</sub> H <sub>w</sub> )	C <sub>1</sub> = F <sub>B</sub> X F <sub>TF</sub> X F <sub>PV</sub> X Y <sub>2</sub>				C <sub>1</sub>	C = C <sub>1</sub> X C <sub>2</sub> Where C <sub>2</sub> = √(1/SG) X 24	Gas Flow Rate Q = √(P <sub>f</sub> x H <sub>w</sub> ) x C (MMSCFD)	Gas Flow Rate (m <sup>3</sup> /D)
										F <sub>B</sub>	F <sub>TF</sub>	F <sub>PV</sub>	Y <sub>2</sub>				
25/02/02	1315	3.7000	16	783	77	88	0.7	1.750	245.50	674.44	0.97430	1.07979	1.00053	709.91	20364.18	4.99940	141.533
	1330	3.9500	"	775	76	84	"	"	242.65	"	0.97751	1.08110	1.00053	713.12	20456.18	4.96371	140.523
	1345	4.2000	"	767	74	82	"	"	238.20	"	0.97913	1.08130	1.00052	714.43	20493.67	4.88154	138.196
	1400	4.4500	"	765	74	79	"	"	237.89	"	0.98240	1.08336	1.00052	718.17	20601.13	4.90073	138.740
	1415	4.7000	"	762	74	79	"	"	237.42	"	"	1.08299	1.00052	717.93	20594.29	4.88949	138.421
	1430	4.9500	"	764	74	77	"	"	237.73	"	0.98404	1.08441	1.00052	720.08	20655.76	4.91051	139.017
	1445	5.2000	"	766	75	77	"	"	239.65	"	"	1.08466	1.00053	720.24	20660.56	4.95120	140.168
	1500	5.4500	"	764	75	77	"	"	239.33	"	"	1.08441	1.00053	720.08	20655.90	4.94362	139.954
	1515	5.7000	"	773	76	77	"	"	242.34	"	"	1.08552	1.00053	720.82	20676.99	5.01081	141.856
	1530	5.9500	"	798	77	77	"	"	247.84	"	"	1.08860	1.00052	722.86	20735.47	5.13910	145.488
	1545	6.2000	"	809	77	77	"	"	249.54	"	"	1.08996	1.00051	723.75	20761.22	5.18084	146.670
	1600	6.4500	"	810	78	79	"	"	251.31	"	0.98240	1.08880	1.00052	721.78	20704.68	5.20339	147.308
26/02/02	0945	24.2000	24	643	98	63	"	2.250	250.97	1298.75	0.99751	1.07783	1.00048	1397.02	40074.14	10.05753	284.729
	1000	24.4500	"	665	94	61	"	"	249.97	"	0.99923	1.08202	1.00045	1404.82	40297.98	10.07325	285.174
	1015	24.7000	"	497	132	52	"	"	256.06	"	1.00798	1.06321	1.00084	1393.03	39959.60	10.23218	289.673
	1045	25.2000	"	465	143	50	"	"	257.79	"	1.00976	1.05945	1.00098	1390.74	39894.12	10.28436	291.150
	1100	25.4500	"	440	156	55	"	"	261.91	"	1.00445	1.05372	1.00113	1376.15	39475.66	10.33915	292.701
	1115	25.7000	"	441	162	59	"	"	267.20	"	1.00096	1.05246	1.00117	1369.80	39293.31	10.49935	297.237
	1130	25.9500	"	443	162	63	"	"	267.81	"	0.99751	1.05138	1.00116	1363.66	39117.15	10.47597	296.575
	1145	26.2000	"	443	162	64	"	"	"	"	0.99580	1.05072	"	1360.46	39025.59	10.45145	295.881
	1200	26.4500	"	443	162	66	"	"	"	"	0.99409	1.05008	"	1357.30	38934.89	10.42716	295.193
	1230	26.9500	"	443	163	73	"	"	268.64	"	0.98736	1.04761	1.00117	1344.95	38580.61	10.36412	293.408
	1245	27.2000	"	443	163	75	"	"	"	"	0.98570	1.04702	"	1341.93	38493.96	10.34084	292.749
	1300	27.4500	"	443	163	77	"	"	"	"	0.98404	1.04644	"	1338.94	38408.07	10.31777	292.096
	1315	27.7000	"	445	164	79	"	"	270.07	"	0.98240	1.04609	1.00117	1336.26	38331.17	10.35195	293.064







# LIQUID PRODUCTION

Customer:	Santos Ltd.	Well Name:	Naylor # 1
Perforations:	6655' - 6668' KB	Formation:	Waarre C
Date Of Test:	24/2/02	Operator:	N. Dover
		Control No.:	Naylor 1 270202

Tank	Unit No.	Capacity	Cap. Units	Scale	Scale Units
1	129	51.7	BBS	0.6423	BBL/inch
2	129a	8221	LTRS	1	1

Tank	Unit No.	Capacity	Cap. Units	Scale	Scale Units
3	0	0	0	0	0
4	0	0	0	0	0

Date	Time	Elapsed Time (Hours)	Tank Used (1-4)	Total Tank Dip (Litres)	OIL/CONDENSATE PRODUCTION			WATER PRODUCTION				
					Tank Dip (Litres)	Tank Prod. (m³)	Flow Rate (m³/D)	Cum. Prod. (m³)	Oil API Grav	Tank Dip (Litres)	Tank Prod. (m³)	Flow Rate (m³/D)
25/02/02	1315	3.7000	2	475.000	0.000	0.0000	0.0000	0.0000	475.000	0.0000	0.0000	0.0000
25/02/02	1330	3.9500	2	475.000	0.000	0.0000	0.0000	0.0000	475.000	0.0000	0.0000	0.0000
25/02/02	1345	4.2000	2	475.000	0.000	0.0000	0.0000	0.0000	475.000	0.0000	0.0000	0.0000
25/02/02	1400	4.4500	2	600.000	125.000	12.0000	0.1250	0.1250	475.000	0.0000	0.0000	0.0000
25/02/02	1415	4.7000	2	675.000	200.000	7.2000	0.0750	0.2000	475.000	0.0000	0.0000	0.0000
25/02/02	1430	4.9500	2	750.000	275.000	7.2000	0.0750	0.2750	475.000	0.0000	0.0000	0.0000
25/02/02	1445	5.2000	2	810.000	335.000	5.7600	0.0600	0.3350	475.000	0.0000	0.0000	0.0000
25/02/02	1500	5.4500	2	890.000	415.000	7.6800	0.0800	0.4150	475.000	0.0000	0.0000	0.0000
25/02/02	1515	5.7000	2	930.000	455.000	3.8400	0.0400	0.4550	475.000	0.0000	0.0000	0.0000
25/02/02	1530	5.9500	2	1000.000	525.000	6.7200	0.0700	0.5250	475.000	0.0000	0.0000	0.0000
25/02/02	1545	6.2000	2	1080.000	605.000	7.6800	0.0800	0.6050	475.000	0.0000	0.0000	0.0000
25/02/02	1600	6.4500	2	1140.000	665.000	5.7600	0.0600	0.6650	475.000	0.0000	0.0000	0.0000
26/02/02	0945	24.2000	2	1360.000	885.000	0.2200	0.2200	0.8850	475.000	0.0000	0.0000	0.0000
26/02/02	0946	24.2167	2	1360.000	885.000	0.0000	0.0000	0.8850	475.000	0.0000	0.0000	0.0000
26/02/02	1000	24.4500	2	1580.000	1105.000	22.6286	0.2200	1.1050	475.000	0.0000	0.0000	0.0000
26/02/02	1015	24.7000	2	1750.000	1275.000	16.3200	0.1700	1.2750	475.000	0.0000	0.0000	0.0000
26/02/02	1045	25.2000	2	1875.000	1400.000	6.0000	0.1250	1.4000	475.000	0.0000	0.0000	0.0000
26/02/02	1100	25.4500	2	2225.000	1750.000	33.6000	0.3500	1.7500	475.000	0.0000	0.0000	0.0000
26/02/02	1115	25.7000	2	2380.000	1905.000	14.8800	0.1550	1.9050	475.000	0.0000	0.0000	0.0000
26/02/02	1130	25.9500	2	2580.000	2105.000	19.2000	0.2000	2.1050	475.000	0.0000	0.0000	0.0000
26/02/02	1145	26.2000	2	2740.000	2265.000	15.3600	0.1600	2.2650	475.000	0.0000	0.0000	0.0000
26/02/02	1200	26.4500	2	2890.000	2415.000	14.4000	0.1500	2.4150	475.000	0.0000	0.0000	0.0000
26/02/02	1230	26.9500	2	3225.000	2750.000	16.0800	0.3350	2.7500	475.000	0.0000	0.0000	0.0000
26/02/02	1245	27.2000	2	3340.000	2865.000	11.0400	0.1150	2.8650	475.000	0.0000	0.0000	0.0000
26/02/02	1300	27.4500	2	3480.000	3005.000	13.4400	0.1400	3.0050	475.000	0.0000	0.0000	0.0000
26/02/02	1315	27.7000	2	3600.000	3125.000	11.5200	0.1200	3.1250	475.000	0.0000	0.0000	0.0000

**LIQUID PRODUCTION**

EXPERTEST PTY. LTD.



**Customer:** Santos Ltd.  
**Perforations:** 6655' - 6668' KB  
**Date Of Test:** 24/2/02

**Well Name:** Naylor #1  
**Type Of Test:** Flow Test/BHP/SGS  
**Control No.:** Naylor 1 270202

**Formation:** Waarre C  
**Operator:** N. Dover

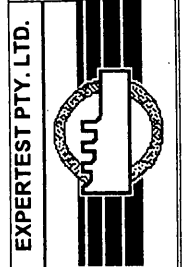
Tank	Unit No.	Capacity	Cap. Units	Scale	Scale Units
1	129	51.7	BBS	0.6423	BBL/inch
2	129a	8221	LTRS	1	1

Tank	Unit No.	Capacity	Cap. Units	Scale	Scale Units
3	0	0	0	0	0
4	0	0	0	0	0

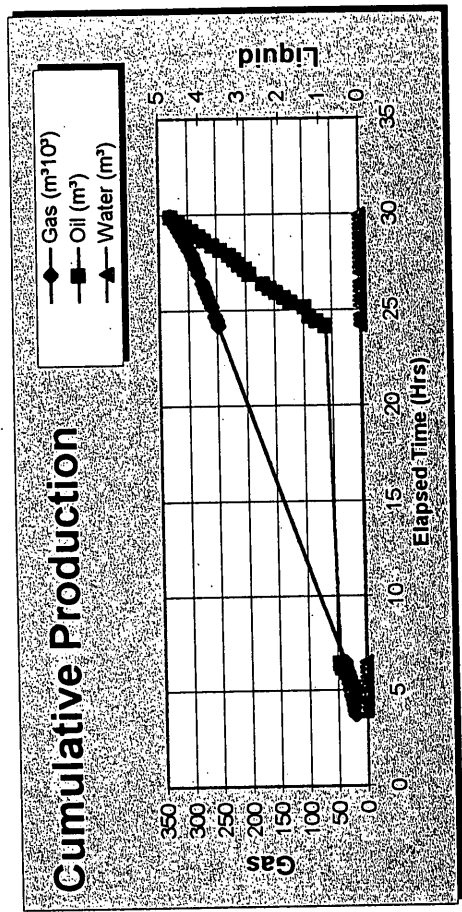
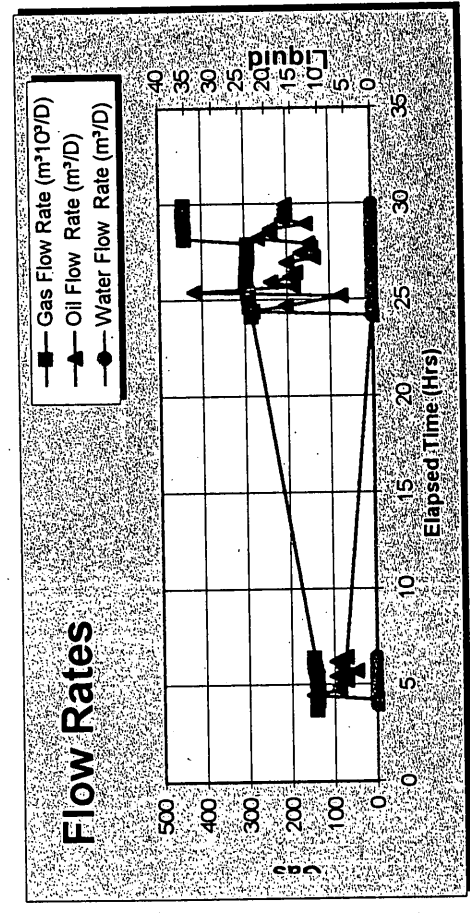
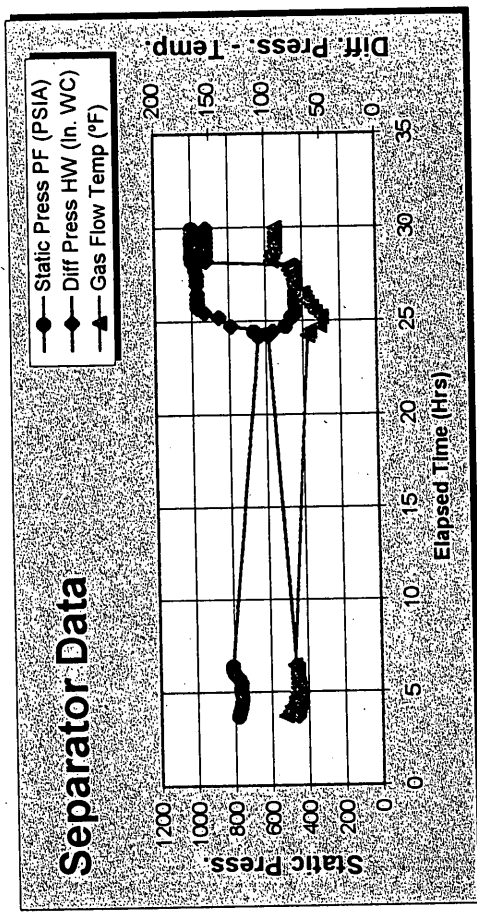
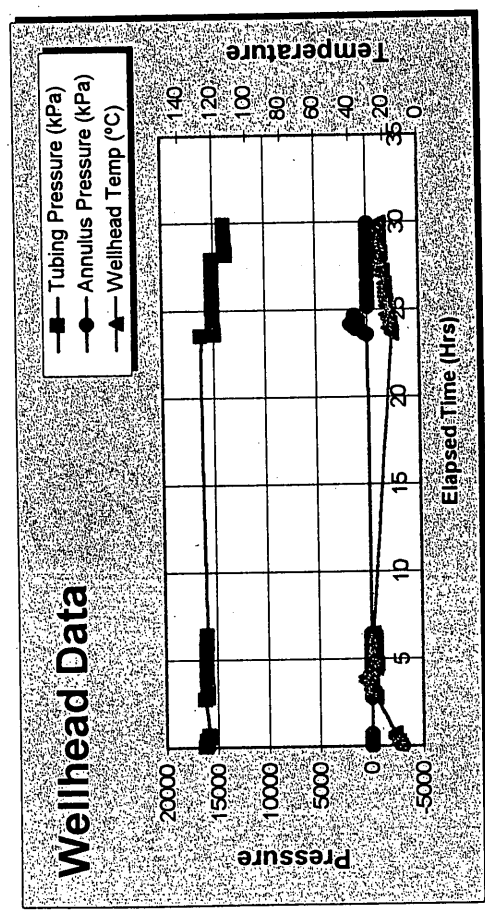
Date	Time	Elapsed Time (Hours)	Tank Used (1-4)	Total Tank Dip (Litres)	OIL/CONDENSATE PRODUCTION			WATER PRODUCTION			
					Tank Dip (Litres)	Tank Prod. (m <sup>3</sup> )	Flow Rate (m <sup>3</sup> /D)	Cum. Prod. (m <sup>3</sup> )	Oil/API Grav	Tank Dip (Litres)	Tank Prod. (m <sup>3</sup> )
26/02/02	1330	27.9500	2	3725.000	3250.000	0.1250	12.0000	3.2500	475.000	0.0000	0.0000
26/02/02	1345	28.2000	2	3950.000	3475.000	0.2250	21.6000	3.4750	475.000	0.0000	0.0000
26/02/02	1400	28.4500	2	4150.000	3675.000	0.2000	19.2000	3.6750	475.000	0.0000	0.0000
26/02/02	1415	28.7000	2	4350.000	3875.000	0.2000	19.2000	3.8750	475.000	0.0000	0.0000
26/02/02	1430	28.9500	2	4480.000	4005.000	0.1300	12.4800	4.0050	475.000	0.0000	0.0000
26/02/02	1445	29.2000	2	4655.000	4180.000	0.1750	16.8000	4.1800	475.000	0.0000	0.0000
26/02/02	1500	29.4500	2	4825.000	4350.000	0.1700	16.3200	4.3500	475.000	0.0000	0.0000
26/02/02	1515	29.7000	2	4995.000	4520.000	0.1700	16.3200	4.5200	475.000	0.0000	0.0000
26/02/02	1530	29.9500	2	5165.000	4690.000	0.1700	16.3200	4.6900	475.000	0.0000	0.0000



# GRAPHICAL SUMMARY



Customer:	Santos Ltd.	Well Name:	Naylor # 1	Formation:	Waarre C
Perforations:	6655' - 6668' KB	Type Of Test:	Flow Test/BHP/SGS	Operator:	N. Dover
Date Of Test:	24/2/02			Control No.:	Naylor 1 270202



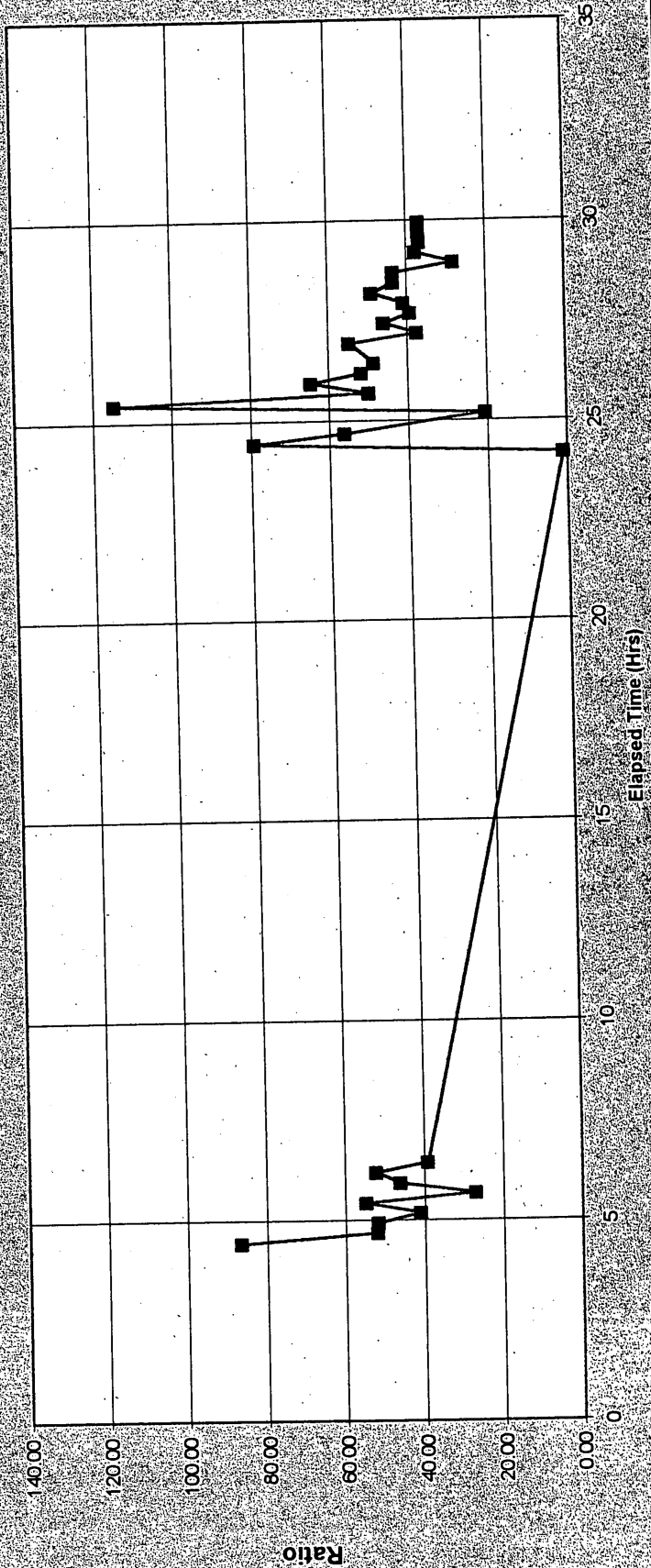
EXPERTEST PTY. LTD.




# Flowing Ratio Plot

Customer:	Santos Ltd.	Well Name:	Naylor # 1	Formation:	Waarre C
Perforations:	6655' - 6668' KB	Type Of Test:	Flow Test/BHP/SGS	Operator:	N. Dover
Date Of Test:	24/2/02			Control No.:	Naylor 1 270202

## Flowing Ratios



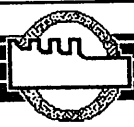
# SAMPLING DATA

<b>EXPERTEST PTY. LTD.</b>	<b>Customer:</b> Santos Ltd.	<b>Well Name:</b> Naylor # 1	<b>Formation:</b> Waarre C
	<b>Perforations:</b> 6655' - 6668' KB	<b>Type Of Test:</b> Flow Test/BHP/SGS	<b>Operator:</b> N. Dover
	<b>Date Of Test:</b> 24/2/02		<b>Control No.:</b> Naylor 1 270202

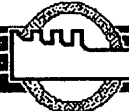
SAMPLE # 1														
Time Sample Collected	Cylinder Serial Number	Cylinder Volume (cc)	Sample Type	Sampling Duration (Mins)	Cylinder Initially Filled With	Outage (cc)	VOLUME OF FILL REMAINING WITH SAMPLE (cc)			Sample Point	Sample Press (kPa)	Sample Temp (°C)	Ambient Press (kPa)	Ambient Temp (°C)
							Gas	Oil	Water					
1200	357	500	HP Oil	15	Acidified Brine	450	25	0	0	Oil sight glass	3054	23	101.7	20
GRAVITIES														
		Gas Specific Gravity @ 60°F	Oil API Grav	Water (m³/D)										
		0.7	60.3	14.4										
FLOW RATES														
		Gas (m³/D)	Oil (m³/D)	Water (m³/D)										
		295.193	14.4	0										
RATIOS														
		WGR	OGR											
		0	48.78											
BOTTOM HOLE														
		Pressure	Temp											
		(kPa)	(°C)											
		15093	19											
Remarks:														

SAMPLE # 1														
Time Sample Collected	Cylinder Serial Number	Cylinder Volume (cc)	Sample Type	Sampling Duration (Mins)	Cylinder Initially Filled With	Outage (cc)	VOLUME OF FILL REMAINING WITH SAMPLE (cc)			Sample Point	Sample Press (kPa)	Sample Temp (°C)	Ambient Press (kPa)	Ambient Temp (°C)
							Gas	Oil	Water					
1200	309	500	HP gas	15	Evacuated	N/A	N/A	0	0	Separator meter run	3054	23	101.7	20
GRAVITIES														
		Gas Specific Gravity @ 60°F	Oil API Grav	Water (m³/D)										
		0.7	60.3	14.4										
FLOW RATES														
		Gas (m³/D)	Oil (m³/D)	Water (m³/D)										
		295.193	14.4	0										
RATIOS														
		WGR	OGR											
		0	48.78											
BOTTOM HOLE														
		Pressure	Temp											
		(kPa)	(°C)											
		15093	19											
Remarks:														

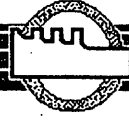
SAMPLE # 2														
Time Sample Collected	Cylinder Serial Number	Cylinder Volume (cc)	Sample Type	Sampling Duration (Mins)	Cylinder Initially Filled With	Outage (cc)	VOLUME OF FILL REMAINING WITH SAMPLE (cc)			Sample Point	Sample Press (kPa)	Sample Temp (°C)	Ambient Press (kPa)	Ambient Temp (°C)
							Gas	Oil	Water					
1300	459	500	HP Oil	15	Acidified brine	450	25	0	0	Oil sight glass	3054	25	101.7	20
GRAVITIES														
		Gas Specific Gravity @ 60°F	Oil API Grav	Water (m³/D)										
		0.7	60.3	13.44										
FLOW RATES														
		Gas (m³/D)	Oil (m³/D)	Water (m³/D)										
		292.096	13.44	0										
RATIOS														
		WGR	OGR											
		0	46.01											
BOTTOM HOLE														
		Pressure	Temp											
		(kPa)	(°C)											
		15134	23											
Remarks:														

EXPERTEST PTY. LTD.		Electronic Memory Recorder								
		Customer: Santos Ltd.			Well Name: Naylor # 1					
		Perforations: 6655' - 6668' KB			Formation: Waarre C					
		Date Of Test: 24/2/02			Type Of Test: Flow Test/BHP/SGS					
		Operator: N. Dover			Control No.: Naylor.1 270202					
Data Filter: 12000 Secs; 7 PSI Window										
Top EMP Serial Number: 2208 "					Bottom EMP Serial Number: 2209 "					
EMP Calibration I.D.: 2208-19244 "					EMP Calibration I.D.: 2209-20196 "					
Full Scale Pressure: 10000 psi "					Full Scale Pressure: 10000 psi "					
Probe Started: 24/02/02 @ 13:19:00					Probe Started: 24/02/02 @ 13:21:00					
TOP GAUGE					BOTTOM GAUGE					
Date	Real Time	Elapsed Time (Hrs)	Top Pressure (PSIG)	Top Temp (°F)	Date	Real Time	Elapsed Time (Hrs)	Bottom Pressure (PSIG)	Bottom Temp (°F)	
24/02/02	13:19:01	0.000	1.39	70.73	24/02/02	13:21:01	0.034	5.81	72.39	
24/02/02	13:42:01	0.384	86.40	71.40	24/02/02	13:42:01	0.384	142.80	71.31	
24/02/02	13:42:11	0.386	335.05	71.40	24/02/02	13:42:11	0.386	385.90	71.31	
24/02/02	13:42:21	0.389	566.31	71.40	24/02/02	13:42:21	0.389	614.91	71.31	
24/02/02	13:42:31	0.392	621.15	71.40	24/02/02	13:42:41	0.395	806.26	71.31	
24/02/02	13:42:41	0.395	737.88	71.40	24/02/02	13:42:51	0.398	1179.85	71.31	
24/02/02	13:42:51	0.398	1084.01	71.40	24/02/02	13:43:01	0.400	1672.22	71.31	
24/02/02	13:43:01	0.400	1555.10	71.40	24/02/02	13:43:11	0.403	2155.49	71.31	
24/02/02	13:43:11	0.403	2058.01	71.40	24/02/02	13:43:21	0.406	2355.56	71.31	
24/02/02	13:43:21	0.406	2351.91	71.40	24/02/02	14:03:31	0.742	2363.74	72.48	
24/02/02	14:02:41	0.728	2359.72	78.40	24/02/02	14:04:41	0.761	2371.51	71.34	
24/02/02	14:04:01	0.750	2366.96	76.00	24/02/02	14:05:51	0.781	2379.12	70.48	
24/02/02	14:05:01	0.767	2374.33	74.88	24/02/02	14:07:01	0.800	2386.84	70.02	
24/02/02	14:06:21	0.789	2382.63	73.18	24/02/02	14:08:11	0.820	2394.55	69.97	
24/02/02	14:07:31	0.809	2389.68	72.22	24/02/02	14:09:21	0.839	2402.20	70.20	
24/02/02	14:08:41	0.828	2397.03	71.97	24/02/02	14:10:21	0.856	2409.20	70.72	
24/02/02	14:09:51	0.848	2404.78	72.26	24/02/02	14:11:31	0.875	2416.32	71.04	
24/02/02	14:11:01	0.867	2412.24	72.48	24/02/02	14:12:41	0.895	2424.00	71.94	
24/02/02	14:12:11	0.886	2419.73	73.18	24/02/02	14:16:11	0.953	2431.02	75.58	
24/02/02	14:13:21	0.906	2427.43	74.33	24/02/02	14:21:01	1.034	2439.69	78.61	
24/02/02	14:20:51	1.031	2435.70	79.78	24/02/02	14:21:31	1.042	2448.49	79.08	
24/02/02	14:21:21	1.039	2443.96	79.78	24/02/02	14:22:01	1.050	2455.87	79.08	
24/02/02	14:21:51	1.048	2451.99	80.23	24/02/02	14:22:31	1.059	2464.43	79.75	
24/02/02	14:22:21	1.056	2460.42	80.98	24/02/02	14:23:01	1.067	2473.32	80.67	
24/02/02	14:22:51	1.064	2469.24	82.06	24/02/02	14:23:31	1.075	2482.71	81.83	
24/02/02	14:23:21	1.073	2476.32	82.06	24/02/02	14:24:01	1.084	2489.89	81.83	
24/02/02	14:23:51	1.081	2485.68	83.44	24/02/02	14:24:21	1.089	2497.03	83.18	
24/02/02	14:24:11	1.086	2492.83	85.04	24/02/02	14:29:51	1.181	2506.16	93.07	
24/02/02	14:24:51	1.098	2501.55	86.82	24/02/02	14:30:21	1.189	2514.99	93.94	
24/02/02	14:30:01	1.184	2508.56	95.79	24/02/02	14:30:51	1.198	2524.43	94.89	
24/02/02	14:30:31	1.192	2516.41	95.79	24/02/02	14:31:21	1.206	2532.34	94.89	
24/02/02	14:31:01	1.200	2525.63	96.68	24/02/02	14:31:41	1.211	2539.46	95.93	
24/02/02	14:31:31	1.209	2535.18	97.73	24/02/02	14:32:11	1.220	2548.42	96.48	
24/02/02	14:32:01	1.217	2545.02	98.91	24/02/02	14:32:31	1.225	2555.71	97.66	
24/02/02	14:32:31	1.225	2553.26	98.91	24/02/02	14:33:01	1.234	2563.85	97.66	
24/02/02	14:32:51	1.231	2560.48	100.20	24/02/02	14:33:21	1.239	2571.31	98.93	
24/02/02	14:33:21	1.239	2570.72	101.59	24/02/02	14:39:21	1.339	2579.86	108.21	
24/02/02	14:39:21	1.339	2579.40	110.27	24/02/02	14:39:51	1.348	2588.92	108.97	
24/02/02	14:39:51	1.348	2587.49	110.27	24/02/02	14:40:21	1.356	2596.98	108.97	
24/02/02	14:40:21	1.356	2596.53	111.02	24/02/02	14:40:51	1.364	2606.28	109.86	
24/02/02	14:40:51	1.364	2605.78	111.97	24/02/02	14:41:21	1.373	2615.78	110.88	
24/02/02	14:41:21	1.373	2615.23	113.10	24/02/02	14:41:51	1.381	2625.41	112.01	
24/02/02	14:41:51	1.381	2623.49	113.10	24/02/02	14:42:21	1.389	2633.52	112.01	




EXPERTEST PTY. LTD.		Electronic Memory Recorder							
		Customer: Santos Ltd.			Well Name: Naylor # 1				
		Perforations: 6655' - 6668' KB			Formation: Waarre C				
		Date Of Test: 24/2/02			Type Of Test: Flow Test/BHP/SGS				
		Operator: N. Dover			Control No.: Naylor 1 270202				
Data Filter: 12000 Secs; 7 PSI Window									
Top EMP Serial Number: 2208 "					Bottom EMP Serial Number: 2209 "				
EMP Calibration I.D.: 2208-19244 "					EMP Calibration I.D.: 2209-20196 "				
Full Scale Pressure: 10000 psi "					Full Scale Pressure: 10000 psi "				
Probe Started: 24/02/02 @ 13:19:00					Probe Started: 24/02/02 @ 13:21:00				
TOP GAUGE					BOTTOM GAUGE				
Date	Real Time	Elapsed Time (Hrs)	Top Pressure (PSIG)	Top Temp (°F)	Date	Real Time	Elapsed Time (Hrs)	Bottom Pressure (PSIG)	Bottom Temp (°F)
24/02/02	14:42:21	1.389	2633.13	114.36	24/02/02	14:42:41	1.395	2640.64	113.25
24/02/02	14:42:41	1.395	2640.17	115.74	24/02/02	14:49:41	1.511	2648.31	123.51
24/02/02	14:49:41	1.511	2647.84	125.10	24/02/02	14:50:21	1.523	2658.21	124.21
24/02/02	14:50:21	1.523	2657.65	125.74	24/02/02	14:51:01	1.534	2668.24	125.02
24/02/02	14:51:01	1.534	2667.62	126.58	24/02/02	14:51:41	1.545	2678.30	125.95
24/02/02	14:51:41	1.545	2677.70	127.57	24/02/02	14:52:21	1.556	2688.36	127.01
24/02/02	14:52:21	1.556	2687.74	128.73	24/02/02	14:53:01	1.567	2698.49	128.20
24/02/02	14:53:01	1.567	2697.89	130.04	24/02/02	14:53:41	1.578	2708.76	129.48
24/02/02	14:53:41	1.578	2708.15	131.46	24/02/02	15:00:01	1.684	2715.78	138.28
24/02/02	15:00:01	1.684	2715.59	139.93	24/02/02	15:01:11	1.703	2724.35	139.70
24/02/02	15:01:11	1.703	2724.00	141.27	24/02/02	15:01:51	1.714	2733.05	140.51
24/02/02	15:01:51	1.714	2732.65	142.08	24/02/02	15:02:31	1.725	2741.72	141.44
24/02/02	15:02:31	1.725	2741.33	143.07	24/02/02	15:03:11	1.736	2750.51	142.52
24/02/02	15:03:11	1.736	2750.13	144.24	24/02/02	15:03:51	1.748	2759.26	143.73
24/02/02	15:03:51	1.748	2758.74	145.23	24/02/02	15:04:31	1.759	2768.06	145.08
24/02/02	15:04:31	1.759	2767.57	146.68	24/02/02	15:05:11	1.770	2775.28	146.56
24/02/02	15:05:11	1.770	2775.33	148.27	24/02/02	15:13:01	1.900	2783.74	158.85
24/02/02	15:13:01	1.900	2783.70	160.50	24/02/02	15:13:41	1.911	2791.61	159.60
24/02/02	15:13:41	1.911	2791.52	161.27	24/02/02	15:14:21	1.923	2799.89	160.54
24/02/02	15:14:21	1.923	2799.79	162.33	24/02/02	15:15:01	1.934	2806.98	161.70
24/02/02	15:15:01	1.934	2807.41	163.67	24/02/02	15:21:41	2.045	2814.41	171.96
24/02/02	15:21:51	2.048	2816.65	173.68	24/02/02	15:22:01	2.050	2831.99	172.49
24/02/02	15:22:01	2.050	2827.34	173.68	24/02/02	15:22:11	2.053	2846.58	172.49
24/02/02	15:22:11	2.053	2842.70	173.68	24/02/02	16:17:41	2.978	2838.83	184.51
24/02/02	16:18:11	2.986	2835.54	184.45	24/02/02	16:18:21	2.989	2846.27	184.52
24/02/02	16:18:21	2.989	2844.13	184.45	24/02/02	19:38:21	6.323	2848.52	184.59
24/02/02	19:38:31	6.325	2846.40	184.55	24/02/02	22:58:31	9.659	2848.50	184.60
24/02/02	22:58:41	9.661	2846.31	184.56	25/02/02	2:18:41	12.995	2848.57	184.60
25/02/02	2:18:51	12.998	2846.34	184.56	25/02/02	5:38:51	16.331	2848.60	184.60
25/02/02	5:39:01	16.334	2846.36	184.57	25/02/02	8:59:01	19.667	2848.64	184.60
25/02/02	8:59:11	19.670	2846.39	184.57	25/02/02	9:31:51	20.214	2840.90	184.60
25/02/02	9:31:51	20.214	2838.94	184.57	25/02/02	9:40:51	20.364	2831.23	184.60
25/02/02	9:40:51	20.364	2830.09	184.56	25/02/02	9:42:11	20.386	2838.55	184.60
25/02/02	9:42:51	20.398	2837.10	184.56	25/02/02	9:45:31	20.442	2829.32	184.59
25/02/02	9:45:31	20.442	2829.36	184.56	25/02/02	9:46:11	20.453	2813.77	184.59
25/02/02	9:46:11	20.453	2819.69	184.56	25/02/02	9:46:21	20.456	2823.63	184.59
25/02/02	9:46:51	20.464	2826.74	184.56	25/02/02	9:47:01	20.467	2830.99	184.59
25/02/02	9:47:41	20.478	2834.01	184.56	25/02/02	9:47:51	20.481	2838.41	184.59
25/02/02	9:48:41	20.495	2825.20	184.56	25/02/02	9:48:41	20.495	2825.42	184.59
25/02/02	9:48:51	20.498	2817.73	184.56	25/02/02	9:48:51	20.498	2818.12	184.59
25/02/02	9:49:11	20.503	2807.22	184.56	25/02/02	9:49:11	20.503	2808.35	184.59
25/02/02	9:49:41	20.511	2799.68	184.56	25/02/02	9:49:51	20.514	2800.37	184.59
25/02/02	9:55:21	20.606	2806.80	184.55	25/02/02	9:54:51	20.598	2807.47	184.59

EXPERTEST PTY. LTD.		Electronic Memory Recorder							
		Customer: Santos Ltd.			Well Name: Naylor # 1				
		Perforations: 6655' - 6668' KB			Formation: Waarre C				
		Date Of Test: 24/2/02			Type Of Test: Flow Test/BHP/SGS				
		Operator: N. Dover			Control No.: Naylor 1 270202				
Data Filter: 12000 Secs; 7 PSI Window									
Top EMP Serial Number: 2208 "					Bottom EMP Serial Number: 2209 "				
EMP Calibration I.D.: 2208-19244 "					EMP Calibration I.D.: 2209-20196 "				
Full Scale Pressure: 10000 psi "					Full Scale Pressure: 10000 psi "				
Probe Started: 24/02/02 @ 13:19:00					Probe Started: 24/02/02 @ 13:21:00				
TOP GAUGE					BOTTOM GAUGE				
Date	Real Time	Elapsed Time (Hrs)	Top Pressure (PSIG)	Top Temp (°F)	Date	Real Time	Elapsed Time (Hrs)	Bottom Pressure (PSIG)	Bottom Temp (°F)
25/02/02	9:57:01	20.634	2814.81	184.55	25/02/02	9:56:41	20.628	2815.13	184.59
25/02/02	9:59:11	20.670	2803.67	184.55	25/02/02	9:59:11	20.670	2802.64	184.59
25/02/02	9:59:21	20.673	2792.07	184.55	25/02/02	9:59:21	20.673	2790.85	184.59
25/02/02	9:59:31	20.675	2781.50	184.55	25/02/02	9:59:31	20.675	2781.36	184.59
25/02/02	9:59:41	20.678	2773.86	184.55	25/02/02	9:59:41	20.678	2774.27	184.59
25/02/02	10:00:01	20.684	2763.58	184.55	25/02/02	10:00:01	20.684	2764.71	184.59
25/02/02	10:00:31	20.692	2755.44	184.55	25/02/02	10:00:31	20.692	2757.25	184.59
25/02/02	10:03:21	20.739	2763.50	184.54	25/02/02	10:03:11	20.736	2764.68	184.58
25/02/02	10:04:41	20.761	2770.84	184.54	25/02/02	10:04:21	20.756	2772.09	184.58
25/02/02	10:08:41	20.828	2777.87	184.54	25/02/02	10:08:21	20.823	2779.22	184.59
25/02/02	10:12:01	20.884	2784.95	184.54	25/02/02	10:11:31	20.875	2786.62	184.59
25/02/02	10:16:11	20.953	2815.07	184.54	25/02/02	10:16:01	20.950	2795.38	184.59
25/02/02	10:16:21	20.956	2831.01	184.54	25/02/02	10:16:11	20.953	2823.48	184.59
25/02/02	10:16:41	20.961	2838.92	184.55	25/02/02	10:16:21	20.956	2836.71	184.60
25/02/02	10:17:31	20.975	2830.68	184.55	25/02/02	10:17:51	20.981	2845.58	184.60
25/02/02	10:17:51	20.981	2839.21	184.55	25/02/02	12:18:21	22.989	2837.80	184.61
25/02/02	10:19:31	21.009	2846.21	184.56	25/02/02	12:18:41	22.995	2829.24	184.61
25/02/02	12:18:21	22.989	2836.97	184.56	25/02/02	12:19:01	23.000	2818.57	184.61
25/02/02	12:18:41	22.995	2828.47	184.56	25/02/02	12:19:31	23.009	2809.32	184.61
25/02/02	12:19:01	23.000	2817.78	184.56	25/02/02	12:21:01	23.034	2802.27	184.61
25/02/02	12:19:21	23.006	2810.17	184.56	25/02/02	15:41:11	26.370	2801.40	184.63
25/02/02	12:20:11	23.020	2802.42	184.55	25/02/02	15:58:01	26.650	2820.28	184.63
25/02/02	15:40:11	26.353	2799.35	184.56	25/02/02	15:58:11	26.653	2833.66	184.63
25/02/02	15:58:01	26.650	2810.93	184.57	25/02/02	15:58:21	26.656	2841.09	184.63
25/02/02	15:58:11	26.653	2828.03	184.57	25/02/02	15:59:11	26.670	2848.19	184.63
25/02/02	15:58:21	26.656	2836.99	184.57	25/02/02	19:19:21	30.006	2849.54	184.62
25/02/02	15:58:51	26.664	2844.50	184.57	25/02/02	22:39:31	33.342	2849.36	184.62
25/02/02	19:19:01	30.000	2847.27	184.56	26/02/02	1:59:41	36.678	2849.36	184.61
25/02/02	22:39:11	33.336	2847.09	184.57	26/02/02	5:19:41	40.011	2849.30	184.61
26/02/02	1:59:21	36.673	2847.08	184.56	26/02/02	8:39:51	43.347	2849.27	184.60
26/02/02	5:19:31	40.009	2847.02	184.56	26/02/02	9:04:01	43.750	2842.01	184.60
26/02/02	8:39:41	43.345	2846.99	184.57	26/02/02	9:08:01	43.817	2830.27	184.60
26/02/02	9:02:21	43.722	2839.46	184.57	26/02/02	9:08:21	43.823	2820.32	184.60
26/02/02	9:08:01	43.817	2829.90	184.57	26/02/02	9:08:41	43.828	2809.36	184.60
26/02/02	9:08:21	43.823	2820.11	184.57	26/02/02	9:09:01	43.834	2796.89	184.60
26/02/02	9:08:41	43.828	2809.16	184.56	26/02/02	9:09:21	43.839	2782.19	184.60
26/02/02	9:09:01	43.834	2797.02	184.56	26/02/02	9:09:31	43.842	2773.89	184.60
26/02/02	9:09:21	43.839	2782.82	184.56	26/02/02	9:09:41	43.845	2764.41	184.60
26/02/02	9:09:31	43.842	2775.12	184.56	26/02/02	9:09:51	43.847	2754.61	184.59
26/02/02	9:09:41	43.845	2765.82	184.56	26/02/02	9:10:01	43.850	2744.99	184.59
26/02/02	9:09:51	43.847	2756.13	184.56	26/02/02	9:10:11	43.853	2734.52	184.59
26/02/02	9:10:01	43.850	2746.47	184.56	26/02/02	9:10:21	43.856	2725.03	184.59
26/02/02	9:10:11	43.853	2736.10	184.56	26/02/02	9:10:31	43.859	2717.35	184.59

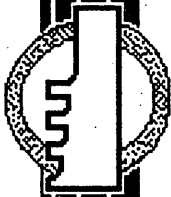
EXPERTEST PTY. LTD.		Electronic Memory Recorder								
		Customer: Santos Ltd.			Well Name: Naylor # 1					
		Perforations: 6655' - 6668' KB			Formation: Waarre C					
		Date Of Test: 24/2/02			Type Of Test: Flow Test/BHP/SGS					
		Operator: N. Dover			Control No.: Naylor 1 270202					
Data Filter: 12000 Secs; 7 PSI Window										
Top EMP Serial Number: 2208 "						Bottom EMP Serial Number: 2209 "				
EMP Calibration I.D.: 2208-19244 "						EMP Calibration I.D.: 2209-20196 "				
Full Scale Pressure: 10000 psi "						Full Scale Pressure: 10000 psi "				
Probe Started: 24/02/02 @ 13:19:00						Probe Started: 24/02/02 @ 13:21:00				
TOP GAUGE					BOTTOM GAUGE					
Date	Real Time	Elapsed Time (Hrs)	Top Pressure (PSIG)	Top Temp. (°F)	Date	Real Time	Elapsed Time (Hrs)	Bottom Pressure (PSIG)	Bottom Temp. (°F)	
26/02/02	9:10:21	43.856	2726.16	184.56	26/02/02	9:10:51	43.864	2705.86	184.59	
26/02/02	9:10:31	43.859	2717.85	184.56	26/02/02	9:11:11	43.870	2697.90	184.59	
26/02/02	9:10:51	43.864	2705.50	184.55	26/02/02	9:11:41	43.878	2689.67	184.59	
26/02/02	9:11:11	43.870	2696.95	184.55	26/02/02	9:12:31	43.892	2681.74	184.58	
26/02/02	9:11:41	43.878	2688.44	184.54	26/02/02	12:32:41	47.228	2682.38	184.63	
26/02/02	9:12:21	43.889	2681.00	184.54	26/02/02	13:34:21	48.256	2674.55	184.63	
26/02/02	11:08:31	45.825	2673.98	184.56	26/02/02	13:34:41	48.261	2667.38	184.63	
26/02/02	12:46:11	47.453	2680.99	184.57	26/02/02	13:35:01	48.267	2658.25	184.63	
26/02/02	13:34:21	48.256	2673.64	184.57	26/02/02	13:35:21	48.273	2647.10	184.63	
26/02/02	13:34:51	48.264	2662.60	184.57	26/02/02	13:35:41	48.278	2634.43	184.63	
26/02/02	13:35:11	48.270	2652.82	184.57	26/02/02	13:36:01	48.284	2621.73	184.63	
26/02/02	13:35:31	48.275	2641.22	184.57	26/02/02	13:36:21	48.289	2612.03	184.63	
26/02/02	13:35:51	48.281	2628.26	184.57	26/02/02	13:36:41	48.295	2604.58	184.62	
26/02/02	13:36:11	48.286	2616.21	184.57	26/02/02	13:37:01	48.300	2591.27	184.62	
26/02/02	13:36:31	48.292	2607.49	184.57	26/02/02	13:37:11	48.303	2583.55	184.62	
26/02/02	13:36:51	48.298	2599.02	184.56	26/02/02	13:37:21	48.306	2575.46	184.62	
26/02/02	13:37:11	48.303	2584.45	184.56	26/02/02	13:37:31	48.309	2567.99	184.62	
26/02/02	13:37:21	48.306	2576.43	184.56	26/02/02	13:37:41	48.311	2560.49	184.62	
26/02/02	13:37:31	48.309	2568.73	184.56	26/02/02	13:37:51	48.314	2553.27	184.62	
26/02/02	13:37:41	48.311	2561.31	184.56	26/02/02	13:38:11	48.320	2542.41	184.62	
26/02/02	13:37:51	48.314	2553.80	184.56	26/02/02	13:38:31	48.325	2534.61	184.61	
26/02/02	13:38:11	48.320	2542.10	184.55	26/02/02	14:05:01	48.767	2541.69	184.60	
26/02/02	13:38:31	48.325	2533.58	184.55	26/02/02	14:34:41	49.261	2548.76	184.61	
26/02/02	14:08:11	48.820	2540.74	184.53	26/02/02	15:05:51	49.781	2555.77	184.62	
26/02/02	14:35:21	49.273	2547.74	184.55	26/02/02	15:28:41	50.161	2590.53	184.62	
26/02/02	15:26:41	50.128	2554.74	184.56	26/02/02	15:28:51	50.164	2654.61	184.62	
26/02/02	15:28:51	50.164	2627.49	184.56	26/02/02	15:29:01	50.167	2707.71	184.62	
26/02/02	15:29:01	50.167	2684.82	184.56	26/02/02	15:29:11	50.170	2751.00	184.62	
26/02/02	15:29:11	50.170	2732.11	184.56	26/02/02	15:29:21	50.173	2784.79	184.62	
26/02/02	15:29:21	50.173	2769.76	184.56	26/02/02	15:29:31	50.175	2811.61	184.63	
26/02/02	15:29:31	50.175	2798.49	184.57	26/02/02	15:29:41	50.178	2829.13	184.63	
26/02/02	15:29:41	50.178	2820.59	184.57	26/02/02	15:29:51	50.181	2839.06	184.63	
26/02/02	15:29:51	50.181	2833.51	184.57	26/02/02	15:31:41	50.211	2846.09	184.66	
26/02/02	15:30:11	50.186	2842.29	184.59	26/02/02	18:51:51	53.548	2846.85	184.63	
26/02/02	18:50:21	53.523	2844.60	184.57	26/02/02	22:12:01	56.884	2847.01	184.63	
26/02/02	22:10:31	56.859	2844.76	184.57	27/02/02	1:32:11	60.220	2847.05	184.62	
27/02/02	1:30:41	60.195	2844.78	184.57	27/02/02	4:52:21	63.556	2847.03	184.62	
27/02/02	4:50:41	63.528	2844.76	184.57	27/02/02	7:21:21	66.039	2834.94	184.61	
27/02/02	7:21:21	66.039	2835.33	184.57	27/02/02	7:21:41	66.045	2820.98	184.61	
27/02/02	7:21:41	66.045	2822.68	184.57	27/02/02	7:22:21	66.056	2813.25	184.59	
27/02/02	7:22:01	66.050	2815.36	184.53	27/02/02	7:29:51	66.181	2806.03	182.32	
27/02/02	7:23:11	66.070	2807.68	184.41	27/02/02	7:30:31	66.192	2797.15	182.12	
27/02/02	7:30:21	66.189	2799.58	181.96	27/02/02	7:31:11	66.203	2788.44	181.73	



EXPERTEST PTY. LTD.		<b>Electronic Memory Recorder</b>							
		Customer: Santos Ltd.			Well Name: Naylor # 1				
		Perforations: 6655' - 6668' KB			Formation: Waarre C				
		Date Of Test: 24/2/02			Type Of Test: Flow Test/BHP/SGS				
		Operator: N. Dover			Control No.: Naylor 1 270202				
Data Filter: 12000 Secs; 7 PSI Window									
Top EMP Serial Number: 2208 "					Bottom EMP Serial Number: 2209 "				
EMP Calibration I.D.: 2208-19244 "					EMP Calibration I.D.: 2209-20196 "				
Full Scale Pressure: 10000 psi "					Full Scale Pressure: 10000 psi "				
Probe Started: 24/02/02 @ 13:19:00					Probe Started: 24/02/02 @ 13:21:00				
TOP GAUGE					BOTTOM GAUGE				
Date	Real Time	Elapsed Time (Hrs)	Top Pressure (PSIG)	Top Temp. (°F)	Date	Real Time	Elapsed Time (Hrs)	Bottom Pressure (PSIG)	Bottom Temp. (°F)
27/02/02	7:31:01	66.200	2790.83	181.70	27/02/02	7:31:51	66.214	2780.36	181.11
27/02/02	7:31:41	66.211	2782.00	181.17	27/02/02	7:38:01	66.317	2772.67	174.95
27/02/02	7:38:01	66.317	2772.67	173.99	27/02/02	7:38:41	66.328	2763.37	174.43
27/02/02	7:38:41	66.328	2763.39	173.49	27/02/02	7:39:21	66.339	2754.03	173.73
27/02/02	7:39:21	66.339	2754.10	172.73	27/02/02	7:39:51	66.348	2746.88	172.84
27/02/02	7:39:51	66.348	2746.98	171.69	27/02/02	7:40:21	66.356	2739.64	171.79
27/02/02	7:40:21	66.356	2739.76	170.45	27/02/02	7:40:51	66.364	2732.31	171.79
27/02/02	7:40:51	66.364	2732.30	170.45	27/02/02	7:41:21	66.372	2724.86	170.58
27/02/02	7:41:21	66.372	2724.85	169.05	27/02/02	7:41:51	66.381	2717.28	169.23
27/02/02	7:41:51	66.381	2717.29	167.50	27/02/02	7:49:11	66.503	2709.27	157.46
27/02/02	7:49:01	66.500	2710.04	155.74	27/02/02	7:49:51	66.514	2701.02	156.77
27/02/02	7:49:41	66.511	2702.88	155.29	27/02/02	7:50:31	66.525	2692.49	155.98
27/02/02	7:50:21	66.522	2694.43	154.53	27/02/02	7:51:11	66.536	2683.83	155.11
27/02/02	7:51:01	66.534	2685.84	153.64	27/02/02	7:51:51	66.548	2675.30	154.64
27/02/02	7:51:41	66.545	2677.11	152.65	27/02/02	7:52:31	66.559	2666.44	153.64
27/02/02	7:52:21	66.556	2668.26	151.55	27/02/02	7:53:11	66.570	2657.45	152.57
27/02/02	7:53:01	66.567	2659.29	150.37	27/02/02	7:53:51	66.581	2648.76	151.39
27/02/02	7:53:41	66.578	2650.50	149.06	27/02/02	7:59:41	66.678	2641.40	142.31
27/02/02	7:54:51	66.598	2643.49	146.36	27/02/02	8:00:11	66.686	2632.99	141.63
27/02/02	8:00:01	66.684	2635.94	140.50	27/02/02	8:00:41	66.695	2624.52	140.86
27/02/02	8:00:31	66.692	2627.67	139.90	27/02/02	8:01:11	66.703	2616.65	140.86
27/02/02	8:01:01	66.700	2619.31	139.08	27/02/02	8:01:41	66.711	2607.98	139.96
27/02/02	8:01:31	66.709	2610.70	138.08	27/02/02	8:02:11	66.720	2599.23	138.96
27/02/02	8:02:01	66.717	2602.67	138.08	27/02/02	8:02:41	66.728	2590.29	137.87
27/02/02	8:02:31	66.725	2593.88	136.96	27/02/02	8:03:11	66.736	2582.21	137.87
27/02/02	8:03:01	66.734	2584.96	135.74	27/02/02	8:07:51	66.814	2575.16	129.88
27/02/02	8:03:31	66.742	2575.92	134.40	27/02/02	8:09:31	66.842	2567.21	128.51
27/02/02	8:09:31	66.842	2567.15	126.75	27/02/02	8:10:01	66.850	2559.62	127.80
27/02/02	8:10:01	66.850	2559.67	126.10	27/02/02	8:10:31	66.859	2551.78	126.95
27/02/02	8:10:31	66.859	2551.94	125.24	27/02/02	8:11:01	66.867	2544.73	126.95
27/02/02	8:11:01	66.867	2544.83	125.24	27/02/02	8:11:31	66.875	2536.65	126.01
27/02/02	8:11:31	66.875	2536.81	124.24	27/02/02	8:12:01	66.884	2528.41	125.00
27/02/02	8:12:01	66.884	2528.62	123.15	27/02/02	8:12:31	66.892	2519.93	123.92
27/02/02	8:12:31	66.892	2520.22	121.99	27/02/02	8:13:01	66.900	2512.66	123.92
27/02/02	8:13:01	66.900	2512.83	121.99	27/02/02	8:13:51	66.914	2505.55	121.58
27/02/02	8:13:31	66.909	2505.19	120.75	27/02/02	8:18:31	66.992	2497.73	115.54
27/02/02	8:18:31	66.992	2497.77	113.77	27/02/02	8:19:01	67.000	2490.58	115.54
27/02/02	8:19:01	67.000	2490.55	113.77	27/02/02	8:19:31	67.009	2482.45	114.82
27/02/02	8:19:31	67.009	2482.56	113.10	27/02/02	8:20:01	67.017	2474.19	114.01
27/02/02	8:20:01	67.017	2474.42	112.28	27/02/02	8:20:31	67.025	2465.86	113.06
27/02/02	8:20:31	67.025	2466.17	111.28	27/02/02	8:21:01	67.034	2458.58	113.06
27/02/02	8:21:01	67.034	2458.86	111.28	27/02/02	8:21:31	67.042	2449.81	112.00
27/02/02	8:21:31	67.042	2450.18	110.13	27/02/02	8:22:01	67.050	2440.99	110.78

EXPERTEST PTY. LTD.			<b>Electronic Memory Recorder</b>								
			Customer: Santos Ltd.			Well Name: Naylor # 1					
			Perforations: 6655' - 6668' KB			Formation: Waarre C					
			Date Of Test: 24/2/02			Type Of Test: Flow Test/BHP/SGS					
			Operator: N. Dover			Control No.: Naylor 1 270202					
Data Filter: 12000 Secs; 7 PSI Window											
Top EMP Serial Number: 2208 "					Bottom EMP Serial Number: 2209 "						
EMP Calibration I.D.: 2208-19244 "					EMP Calibration I.D.: 2209-20196 "						
Full Scale Pressure: 10000 psi "					Full Scale Pressure: 10000 psi "						
Probe Started: 24/02/02 @ 13:19:00					Probe Started: 24/02/02 @ 13:21:00						
TOP GAUGE					BOTTOM GAUGE						
Date	Real Time	Elapsed Time (Hrs)	Top Pressure (PSIG)	Top Temp. (°F)	Date	Real Time	Elapsed Time (Hrs)	Bottom Pressure (PSIG)	Bottom Temp. (°F)		
27/02/02	8:22:01	67.050	2441.37	108.78	27/02/02	8:25:31	67.109	2433.97	103.44		
27/02/02	8:22:31	67.059	2433.91	107.20	27/02/02	8:28:41	67.161	2425.05	99.69		
27/02/02	8:28:41	67.161	2425.08	97.41	27/02/02	8:29:01	67.167	2417.34	98.87		
27/02/02	8:29:01	67.167	2417.58	96.62	27/02/02	8:29:31	67.175	2406.23	97.86		
27/02/02	8:29:31	67.175	2408.07	96.62	27/02/02	8:30:01	67.184	2396.86	97.86		
27/02/02	8:29:51	67.181	2400.40	95.52	27/02/02	8:30:21	67.189	2388.67	96.68		
27/02/02	8:30:21	67.189	2389.04	94.21	27/02/02	8:30:51	67.198	2378.28	95.45		
27/02/02	8:30:51	67.198	2380.05	94.21	27/02/02	8:31:31	67.209	2368.89	94.08		
27/02/02	8:31:21	67.206	2372.09	92.84	27/02/02	8:33:31	67.242	2361.10	90.01		
27/02/02	8:32:21	67.223	2364.08	89.82	27/02/02	8:51:51	67.548	2181.77	64.24		
27/02/02	8:44:01	67.417	2357.02	67.42	27/02/02	8:52:01	67.550	1505.98	64.24		
27/02/02	8:51:51	67.548	2338.98	63.05	27/02/02	8:52:11	67.553	773.87	64.24		
27/02/02	8:52:01	67.550	1817.94	62.81	27/02/02	8:52:21	67.556	192.19	64.24		
27/02/02	8:52:11	67.553	1129.50	62.81	27/02/02	8:52:31	67.559	7.39	64.24		
27/02/02	8:52:21	67.556	401.85	62.81							
27/02/02	8:52:31	67.559	41.44	62.81							
27/02/02	8:52:41	67.561	5.82	62.81							

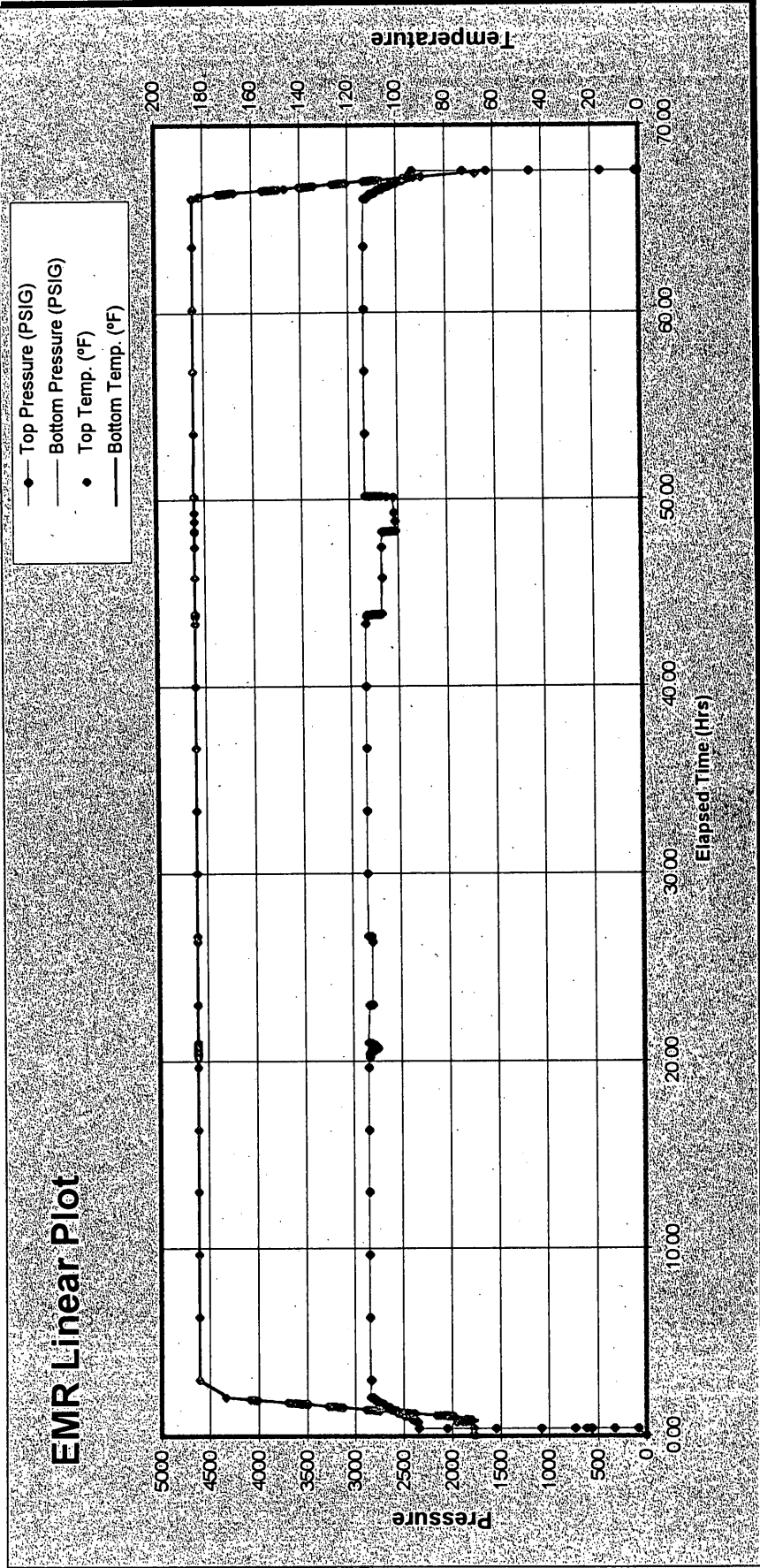
EXPERTEST PTY. LTD.




### Electronic Memory Recorder - Linear Plot

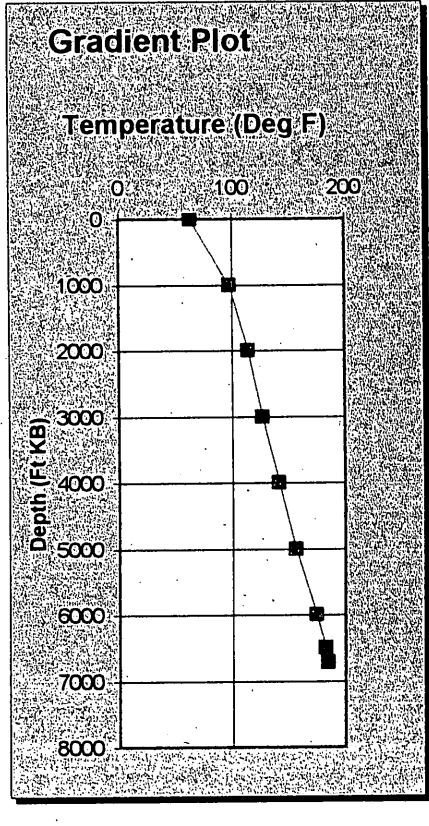
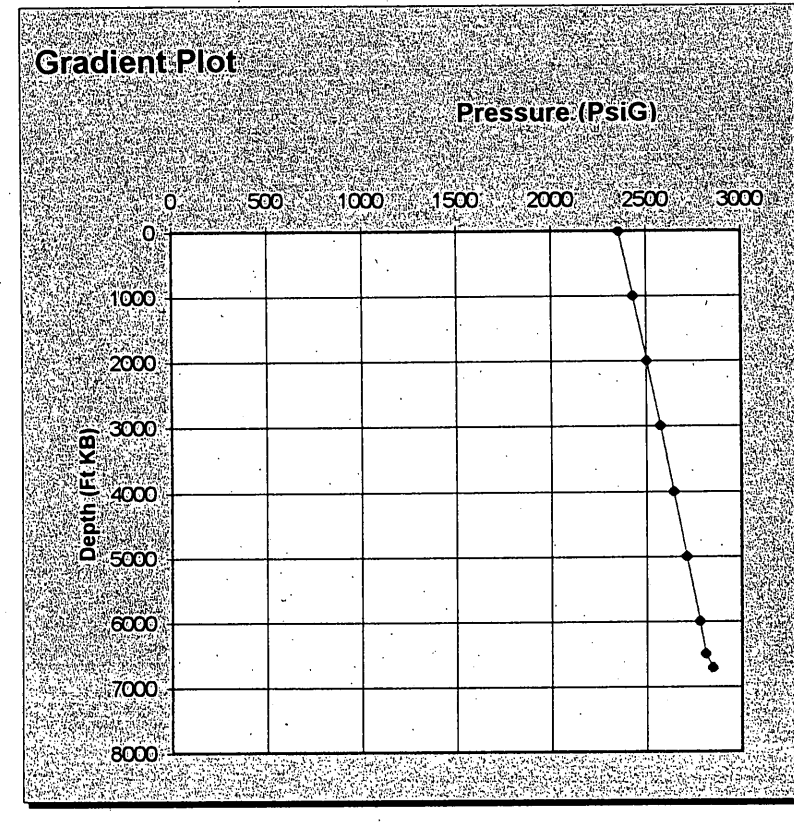
Customer:	Santos Ltd.	Well Name:	Naylor # 1	Formation:	Waarre C
Perforations:	6655' - 6668' KB	Type Of Test:	Flow Test/BHP/SGS	Operator:	N. Dover
Date Of Test:	24/2/02			Control No.:	Naylor 1 270202
Top EMP Serial Number:	2208 "			Bottom EMP Serial Number:	2209 "
EMP Calibration I.D.:	2208-19244 "			EMP Calibration I.D.:	2209-20196 "
Full Scale Pressure:	10000 psi "			Full Scale Pressure:	10000 psi "

### EMR Linear Plot



		<b>Static Gradient Report</b>	
		Well Name: Naylor 1 Formation: Waarre 'C'	
Representative: N Dover Test Type: SGS/BHP Test Date: 24/02/02		Control No.: Naylor 1 270202 Recorder Depth: 6668' KB Recorder Position: Top Serial Number: 2208	

Reading Time		Depth Ft KB	Pressure PsiG	Temp: Deg F	Gradient Psi/ft	Remarks
MM/DD	hh:mm:ss					
27/02	9:26:00	6720	2845.41	184.60		
		6500	2807.28	182.10	0.173	
		6000	2776.01	174.50	0.063	
		5000	2710.35	156.30	0.066	
		4000	2642.92	141.10	0.067	
		3000	2573.98	127.30	0.069	
		2000	2503.77	114.40	0.070	
		1000	2432.94	98.10	0.071	
		0	2356.29	63.00	0.077	

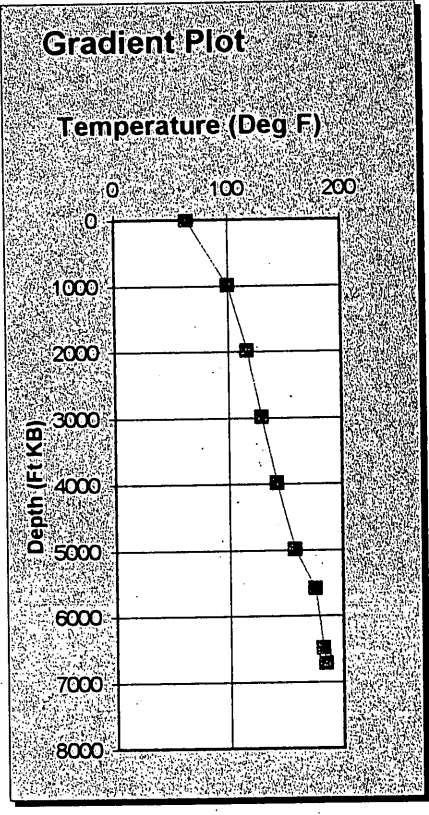
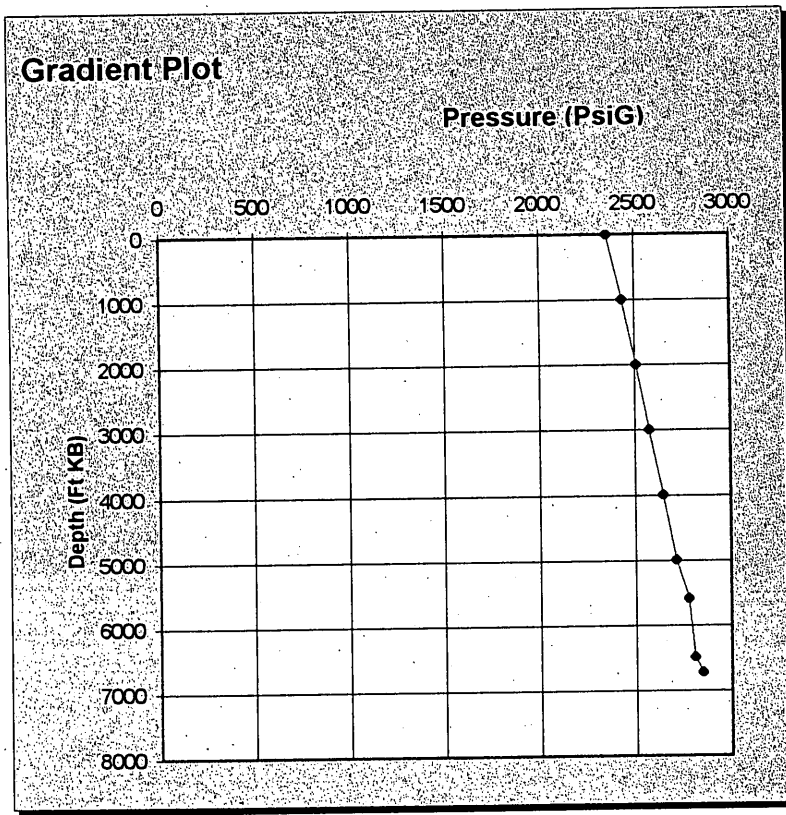



# Static Gradient Report

Well Name: Naylor 1  
Formation: Waarre 'C'

	Control No.: Naylor 1 270202
Representative: N Dover	Recorder Depth: 6668' KB
Test Type: SGS/BHP	Recorder Position: Top
Test Date: 24/02/02	Serial Number: 2208

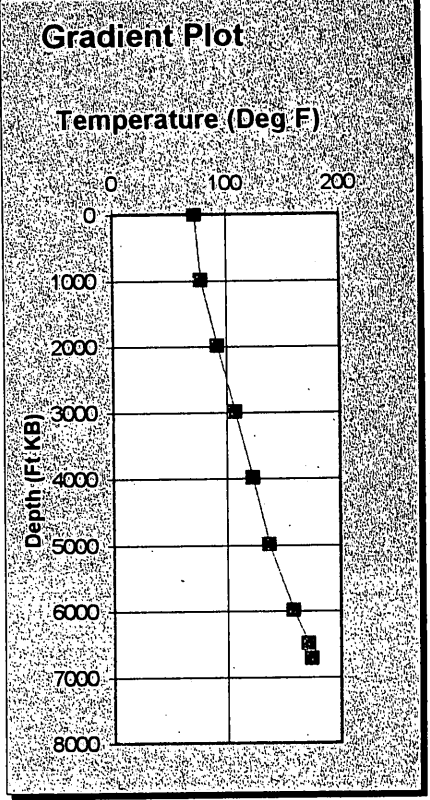
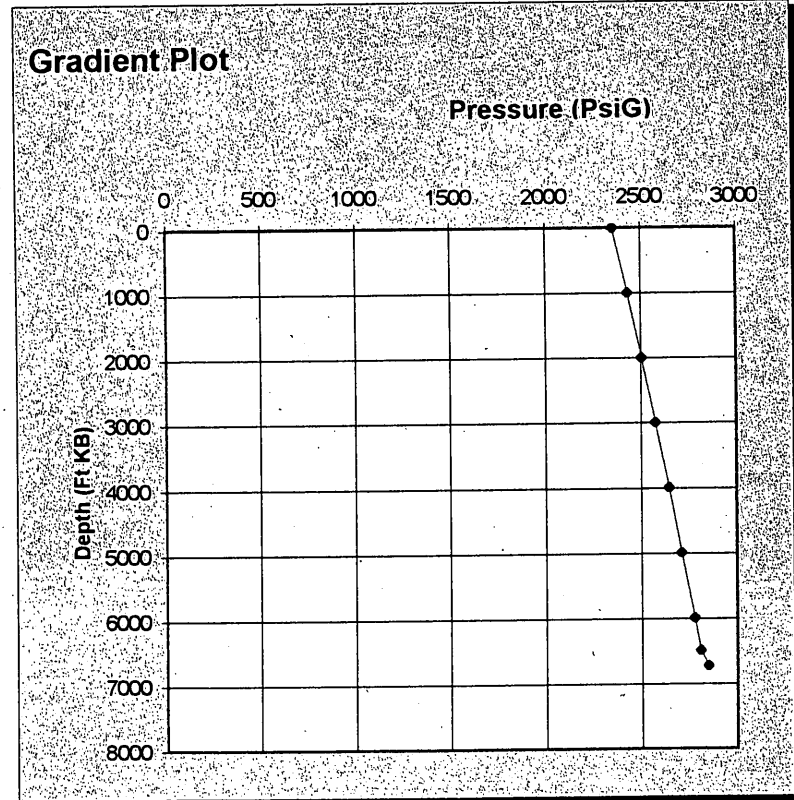
Reading Time		Depth Ft KB	Pressure PsiG	Temp Deg F	Gradient Psi/ft	Remarks
MM/DD	hh:mm:ss					
27/2	9:27:00	6725	2847.69	184.60		
		6495	2808.06	182.50	0.172	
		5595	2777.11	175.50	0.034	
		4995	<del>2711.71</del>	<del>158.40</del>	<del>0.109</del>	
		3995	2643.98	142.30	0.068	
		2995	<del>2575.24</del>	129.20	<del>0.069</del>	
		1995	2505.66	116.90	0.070	
		995	2434.36	100.50	0.071	
		0	2357.83	64.20	0.077	




	<h2 style="margin: 0;">Static Gradient Report</h2>
Well Name: Naylor 1 Formation: Waarre 'C'	

Representative: N Dover Test Type: SGS/BHP Test Date: 24/02/02	Control No.: Naylor 1 270202 Recorder Depth: 6668' KB Recorder Position: Top Serial Number: 2208
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Reading Time		Depth Ft KB	Pressure PsiG	Temp. Deg. F	Gradient Psi/ft	Remarks
MM/DD	hh:mm:ss					
24/2	13:21:00	0	2354.61	73.00		
		995	2430.91	77.90	0.077	
		1995	2502.27	92.20	0.071	
		2995	2573.60	107.50	0.071	
		3995	2643.18	122.90	0.070	
		4995	2710.61	137.60	0.067	
		5995	2776.36	158.20	0.066	
		6495	2807.75	171.30	0.063	
		6725	2847.71	174.30	0.174	

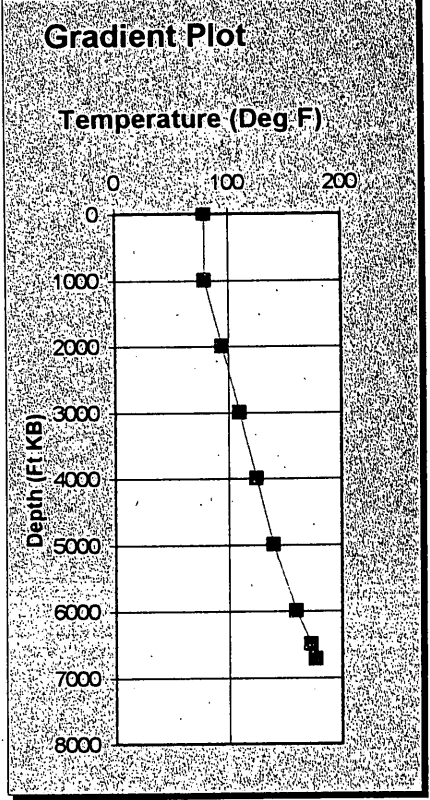
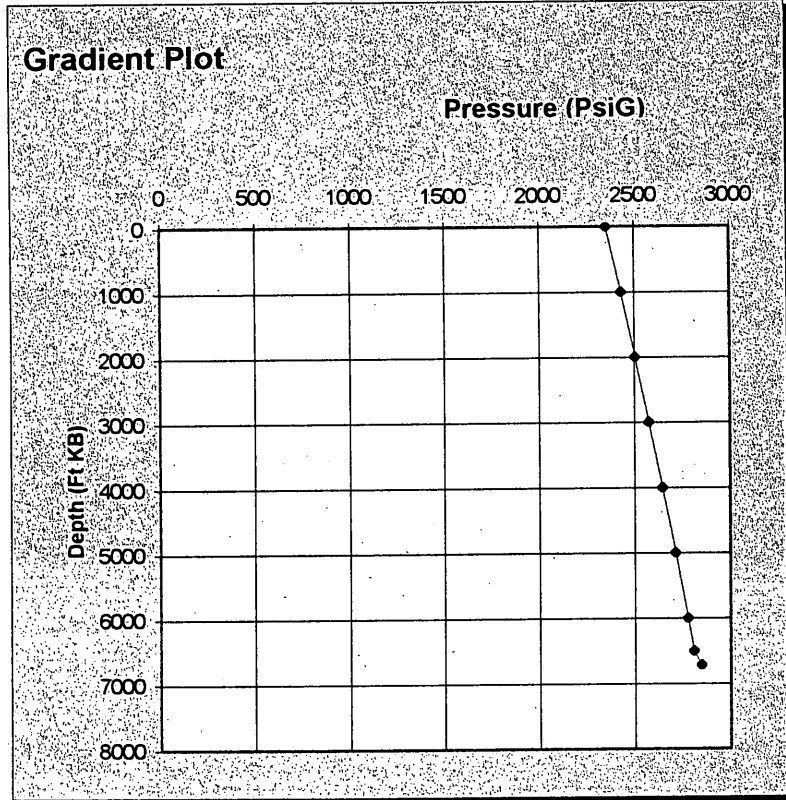




	<h2 style="margin: 0;">Static Gradient Report</h2>
Well Name: Naylor 1 Formation: Waarre 'C'	

Representative: N Dover Test Type: SGS/BHP Test Date: 24/02/02	Control No.: Naylor 1 270202 Recorder Depth: 6668' KB Recorder Position: Top Serial Number: 2208
--	---

Reading Time		Depth Ft KB	Pressure PsiG	Temp. Deg F	Gradient Psi/ft	Remarks
MM/DD	hh:mm:ss					
24/2	13:19:00	0	2353.98	79.30		
		1000	2430.65	79.20	0.077	
		2000	2502.27	94.40	0.072	
		3000	2573.90	109.70	0.072	
		4000	2643.43	124.60	0.070	
		5000	2710.87	139.40	0.067	
		6000	2776.57	159.30	0.066	
		6500	2808.21	172.50	0.063	
		6720	2846.25	176.60	0.173	





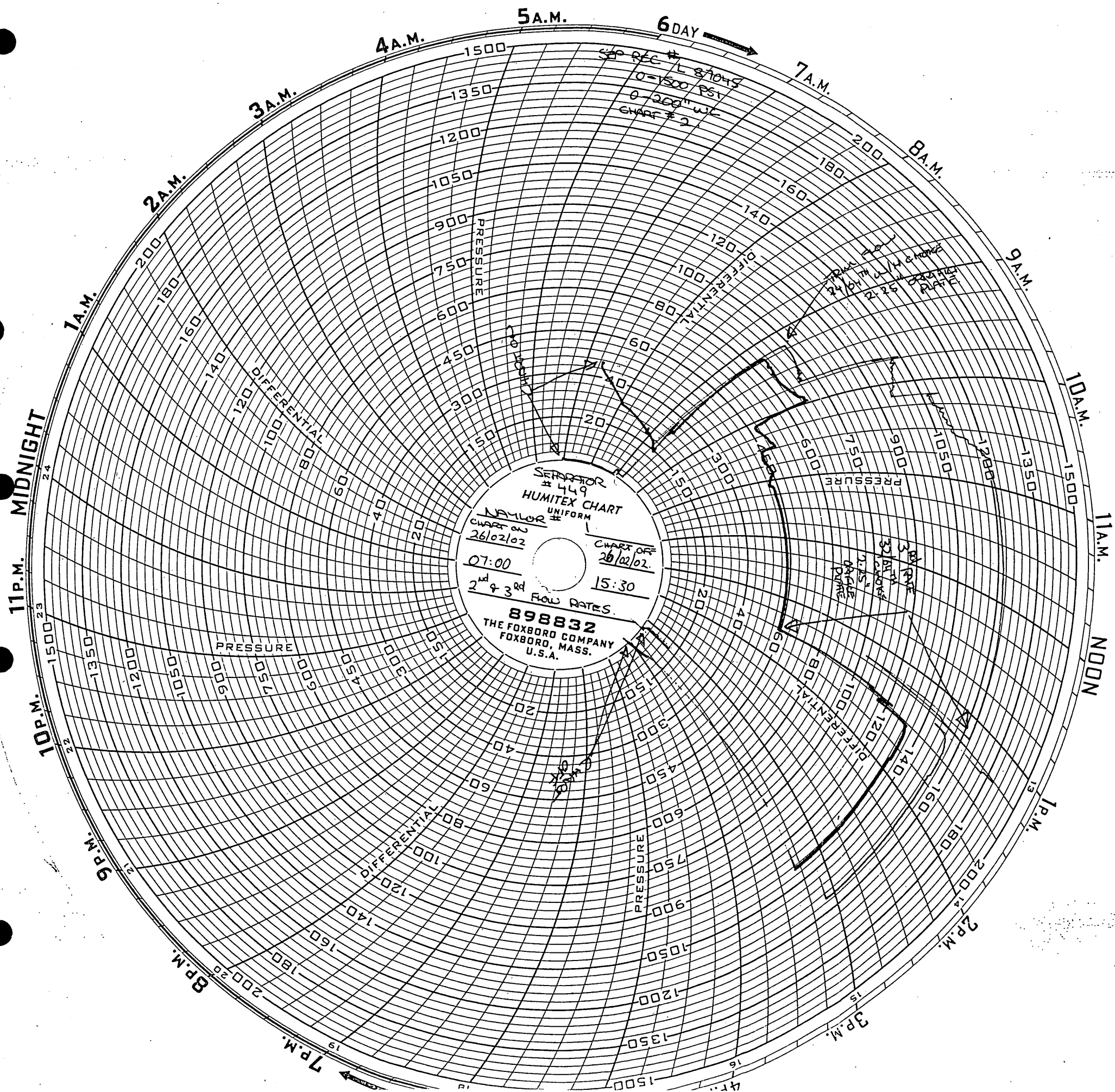
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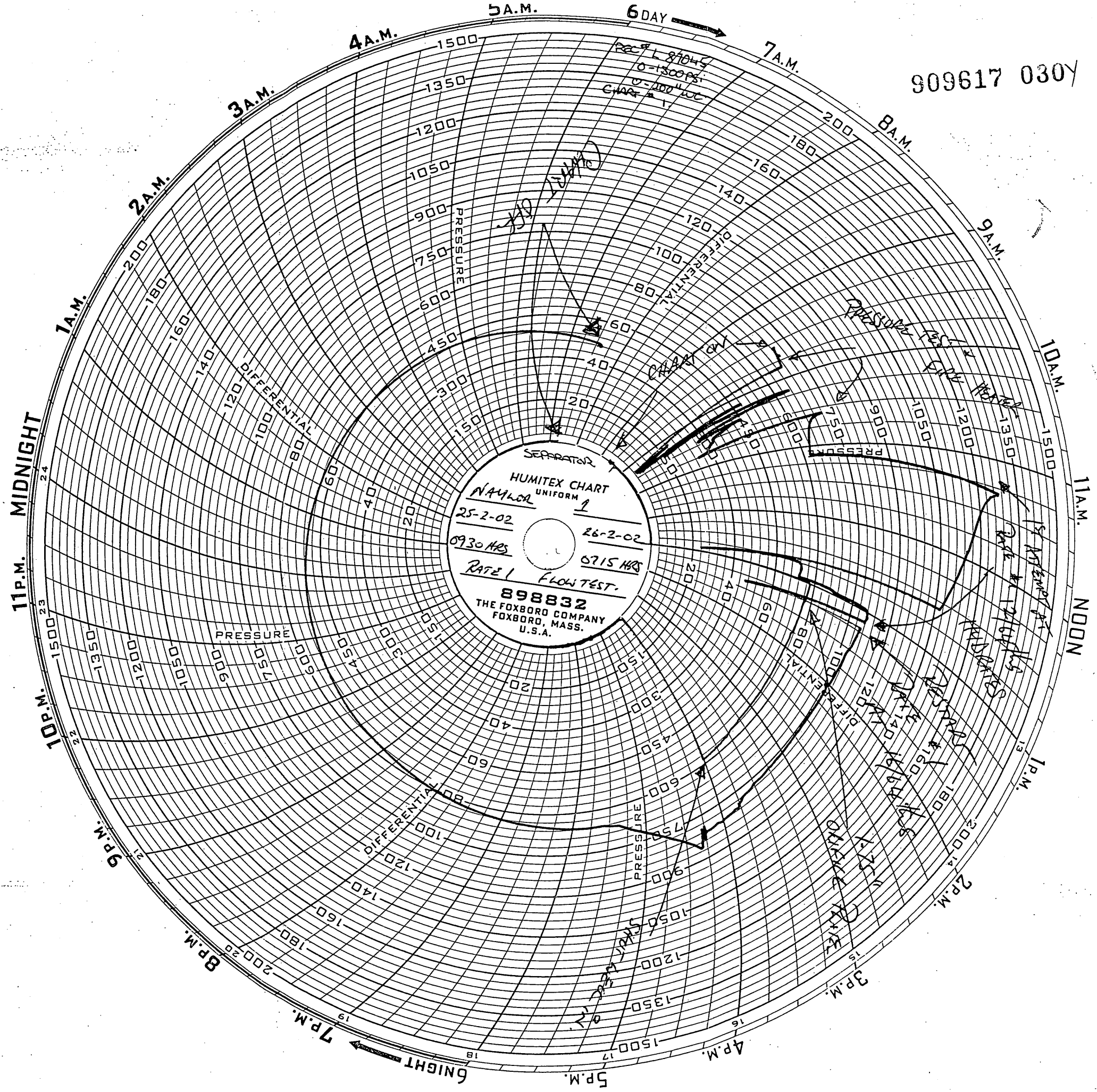
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909617 0307



SEPARATOR  
HUMITEX CHART  
UNIFORM  
NAPALOR 1  
25-2-02  
0930 HRS  
RATE 1 FLOW TEST.  
26-2-02  
0715 HRS  
898832  
THE FOXBORO COMPANY  
FOXBORO, MASS.  
U.S.A.

11P.M. MIDNIGHT

10P.M.

9P.M.

8P.M.

7P.M.

6NIGHT

5P.M.

4P.M.

3P.M.

2P.M.

1P.M.

NOON

11A.M.

10A.M.

9A.M.

8A.M.

7A.M.

6DAY

5A.M.

4A.M.

3A.M.

2A.M.

1A.M.

MIDNIGHT

11P.M.

10P.M.

9P.M.

8P.M.

7P.M.

6NIGHT

5P.M.

4P.M.

3P.M.

2P.M.

1P.M.

NOON

11A.M.

10A.M.

9A.M.

8A.M.

7A.M.

6DAY

5A.M.

4A.M.

3A.M.

2A.M.

1A.M.

MIDNIGHT

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7P.M.

6NIGHT

5P.M.

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3P.M.

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1P.M.

NOON

11A.M.

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6DAY

5A.M.

4A.M.

3A.M.

2A.M.

1A.M.

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7P.M.

6NIGHT

5P.M.

4P.M.

3P.M.

2P.M.

1P.M.

NOON

11A.M.

10A.M.

9A.M.

8A.M.

7A.M.

6DAY

5A.M.

4A.M.

3A.M.

2A.M.

1A.M.

MIDNIGHT

11P.M.

10P.M.

9P.M.

8P.M.

7P.M.

6NIGHT

5P.M.

4P.M.

3P.M.

2P.M.

1P.M.

NOON

11A.M.

10A.M.

9A.M.

8A.M.

7A.M.

6DAY

5A.M.

4A.M.

3A.M.

2A.M.

1A.M.

MIDNIGHT

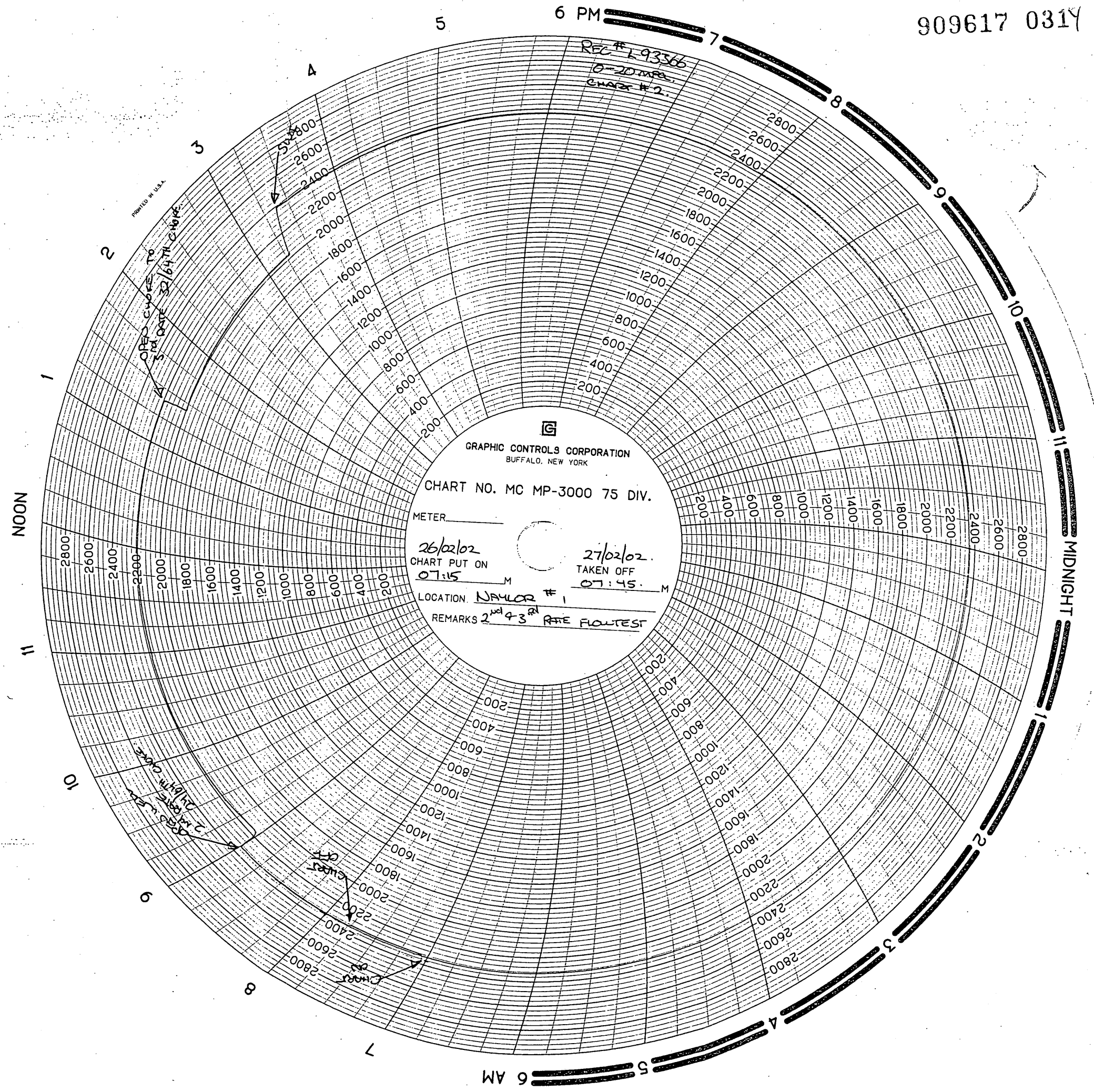
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6 PM

5

4

3

2

1

NOON

11

10

9

8

7

6 AM

MIDNIGHT



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC MP-3000 75 DIV.

METER \_\_\_\_\_

26/02/02  
CHART PUT ON  
07:15 M

27/02/02  
TAKEN OFF  
07:45 M

LOCATION NAYLOR # 1

REMARKS 2<sup>nd</sup> 43<sup>rd</sup> ARE FLOWTEST

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