



**LAKES OIL NL  
LOY YANG 2  
PEP 166  
DST REPORTS**



**LOY YANG 2**  
**DST 1**  
**REPORT, PLOTS & DATA**

**Company:** Lakes Oil NL  
**Well Name:** Loy Yang 2  
**Well Location:** PEP 166  
**State:** Victoria  
**Date:** 8/03/2006  
**Test Type:** Conventional - Bottom Hole  
**Formation:** Strzelecki  
**Interval:** 440.45 - 450.00m  
**DST #:** 1



**Ticket #:** 885  
**TD:** 450.00m  
**RT Elev:** 107.65m  
**GL Elev:** 104.00m  
**Tester:** C. McGuinn / J. Claydon

#### RECORDER DATA:

Rec #:	6884	6885	6883		
Range (psi):	10k	10k	10k		
Clock (hrs):	M15673	M15692	M15688		
Depth (m):	425.87	432.37	444.53		
	PSIG	PSIG	PSIG		
Initial Hydrostatic:	-	626.97	642.66		
Initial Preflow:	-	-	-		
Final Preflow:	-	-	-		
Initial Shutin:	-	-	-		
Initial Flow:	-	7.92	23.78		
Final Flow:	-	253.70	267.92		
Final Shutin:	240.63	510.38	524.97		
Final Hydrostatic:	606.10	626.63	642.13		
Inside / Outside:	Fluid	Inside	Outside		

#### TIME DATA:

		<u>Time Start</u>	<u>Time End</u>		
Preflow:	- mins	-	-	Pick Up Tools:	18:45
Initial Shutin:	- mins	-	-	RIH Pipe:	19:40
Initial Flow:	270 mins	22:35	3:05	On Depth:	22:00
Final Shutin:	130 mins	3:05	5:15	Open Tools:	22:35
		(24 hour time)		Time Pulled:	5:20
				Drop Bar:	5:30

#### TOOL DATA:

		<u>OD (in)</u>	<u>ID (in)</u>	<u>Length (m)</u>	<u>Cap. (bbls/ft)</u>
Tool Weight:	2 000 lb	Drill Pipe 1:	3.5	2.764	299.28
Weight Set on Packers:	17 000 lb	Drill Pipe 2:	-	-	-
Weight Pulled Free:	30 000 lb	HW Drill Pipe 1:	-	-	-
Initial String Weight:	30 000 lb	HW Drill Pipe 2:	-	-	-
Hole Size:	6-1/8 in	Drill Collars 1:	4.75	2.25	129.11
Bottom Hole Choke:	3/4 in	Drill Collars 2:	-	-	-

**FLUID RECOVERY:**

169	m of	Formation water
(2.97)	bbbls of	Formation water)
	m of	
	m of	

**MUD DATA:**

Mud Type:	KCl/Polymer
Weight:	8.5 ppg
Viscosity:	48 sec
W.L.	7.2 cc/30min
F.C.	1 /32"
Mud Drop:	Annulus Static

**BLOW DESCRIPTION AND REMARKS:****Main Flow:** 22:35 - Tool open.

22:38 - Weak bubble on top of bucket.

22:45 - Weak/moderate bubble 2" in bucket.

23:40 - Weak bubble on top of bucket.

00:03 - Weak/moderate bubble 1" in bucket.

00:50 - Weak/moderate bubble 2" in bucket.

3:05 - Shutin tool. Weak bubble on top of bucket.

NGTS - NFTS.

**SAMPLE CHAMBER RECOVERY:** 3L of formation water**SURFACE CHOKE SIZE:** 1/4 in**Comments:****GENERAL DATA:**

**Number of Packers:** 2  
**Packer Size:** 5-1/2" x 36"

**Packer S/N:** NA  
**Location:** Top  
**Condition OOH:** Rerunable

**Packer S/N:** NA  
**Location:** Bottom  
**Condition OOH:** Rerunable

**Prior operations:** Drilling  
**Wiper Trip Performed:** No  
**Amount of Fill (m):** Nil  
**Hole Condition:** Good

**Cushion Amount (m):** Nil  
**Cushion Type:** N/A  
**Reversed Out:** Yes  
**Tool Chased:** No

**BHT (°F):** 241  
**Company Rep:** L. Devattimo  
**Contractor:** Hunt Energy  
**Rig Number:** 2

**GENERAL TEST COMMENTS:**

Nil.

**Company:** Lakes Oil NL

**Well Name:** Loy Yang 2

**Well Location:** PEP 166

**State:** Victoria

**Date:** 8/03/2006

**Test Type:** Conventional - Bottom Hole

**Formation:** Strzelecki

**Interval:** 440.45 - 450.00m

**DST #:** 1



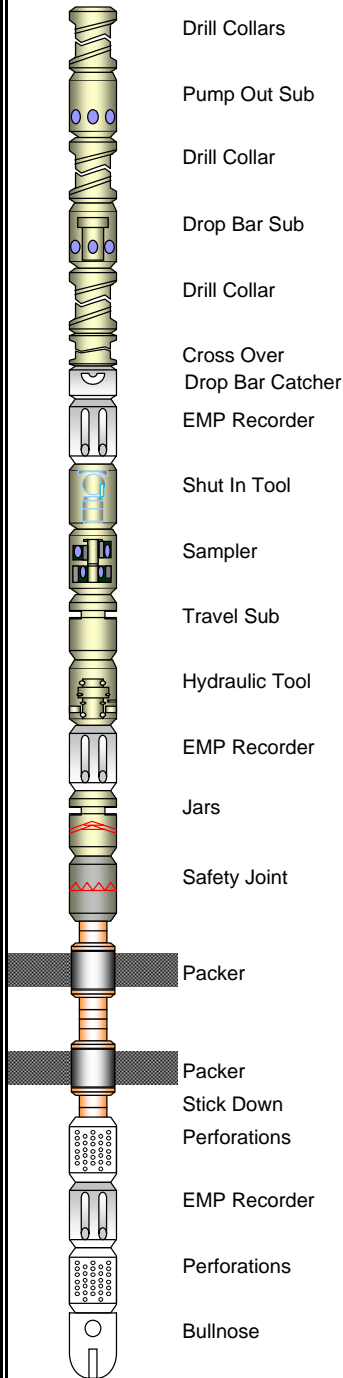
**Ticket #:** 885

**TD:** 450.00m

**RT Elev:** 107.65m

**GL Elev:** 104.00m

**Tester:** C. McGuinn / J. Claydon



Total Tool To Bottom of Packers	15.76 m
Tool Interval	9.55 m
<b>Total Tool :</b>	<b>25.31 m</b>
Drill Collars in Interval	0.00 m
Drill Collars above Tool	129.11 m
HW Drill Pipe above Tool	0.00 m
Drill Pipe above Tool	299.28 m
Pup Joints above Tool	0.00 m
<b>TOTAL ASSEMBLY:</b>	<b>453.70 m</b>

**STICK UP:**

**-3.70**

Drill Pipe	299.28	-3.70 15 stands & 1 single
Drill Collars	111.34	295.58 12 x Drill Collars
Pump Out Sub	0.28	406.92
Drill Collar	8.63	407.20 1 x Drill Collar
Drop Bar Sub	0.28	415.83
Drill Collar	9.14	416.11 1 x Drill Collar
Cross Over	0.31	425.25
Drop Bar Catcher	0.31	425.56
EMP Recorder WMG 6884	1.52	425.87
Shut In Tool	1.68	427.39
Sampler	1.01	429.07
Travel Sub	0.44	430.08
Hydraulic Tool	1.85	430.52
EMP Recorder WMG 6885	1.52	432.37
Jars	2.23	433.89
Safety Joint	0.65	436.12
Packer	2.36	436.77
Packer	1.32	439.13

**DEPTH:**

**440.45**

Stick Down	1.04	440.45
Perforations	3.04	441.49
EMP Recorder WMG 6883	0.91	444.53
Perforations	3.04	445.44
Bullnose	1.52	448.48

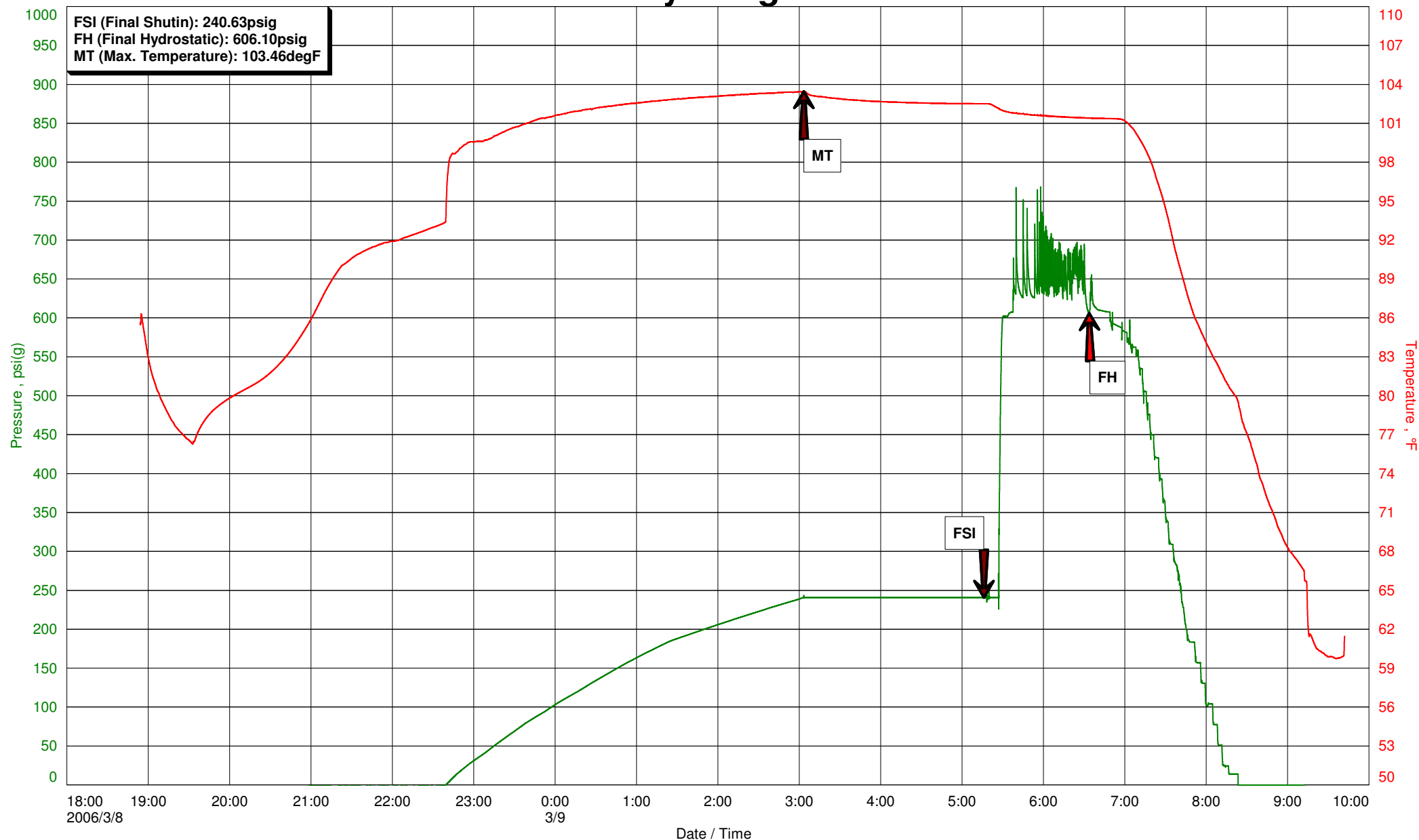
**TOTAL DEPTH:**

**450.00**

Lakes Oil  
Fluid EMP Rec WMG 6884 Depth 425.87m  
Start Test Date: 2006/03/08

FLUID REC DST 1  
Formation: Strzelecki  
Job Number: DST 1

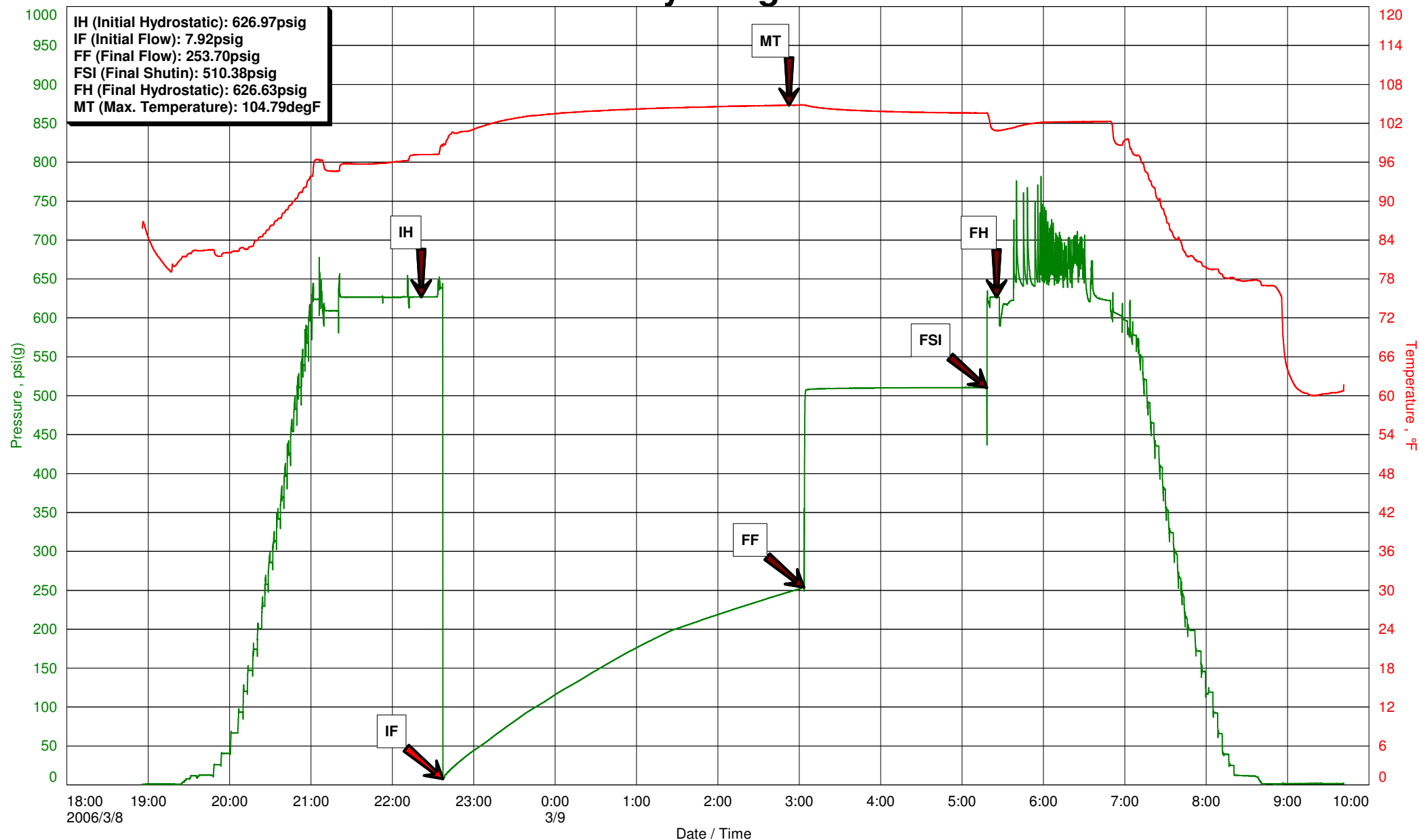
## Loy Yang 2



Lakes Oil  
Inside EMP Rec WMG 6885 Depth 432.37m  
Start Test Date: 2006/03/08

INSIDE REC DST 1  
Formation: Strzelecki  
Job Number: DST 1

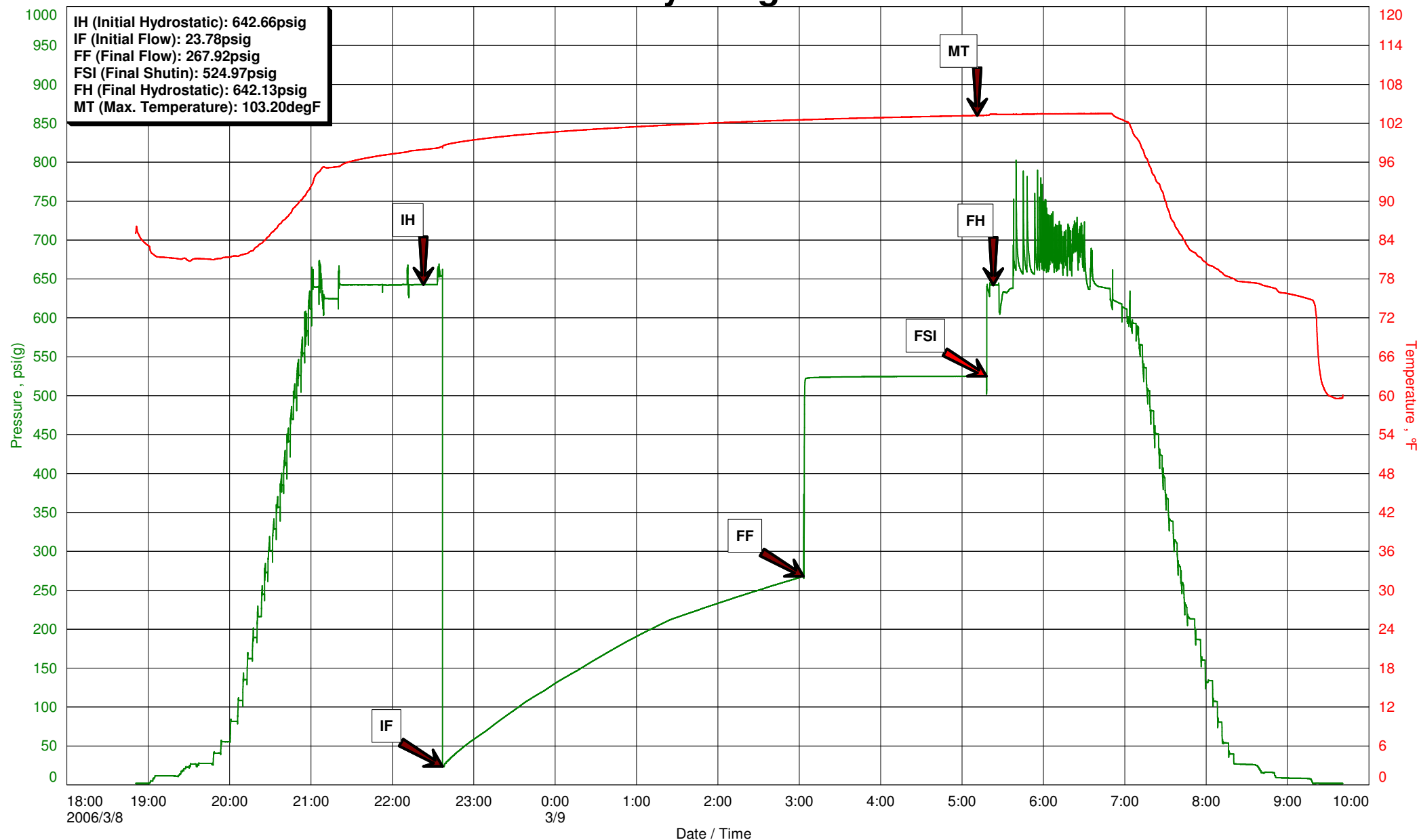
## Loy Yang 2



Lakes Oil  
Outside EMP Rec WMG 6883 Depth 444.53m  
Start Test Date: 2006/03/08

OUTSIDE REC DST 1  
Formation: Strzelecki  
Job Number: DST 1

## Loy Yang 2







**LOY YANG 2**  
**DST 2**  
**REPORT, PLOTS & DATA**

**Company:** Lakes Oil NL  
**Well Name:** Loy Yang 2  
**Well Location:** PEP 166  
**State:** Victoria  
**Date:** 12/03/2006  
**Test Type:** Conventional - Bottom Hole  
**Formation:** Strzelecki Fm  
**Interval:** 872.45 - 882.00m  
**DST #:** 2



**Ticket #:** 887  
**TD:** 882.00m  
**RT Elev:** 107.65m  
**GL Elev:** 104.00m  
**Tester:** C. McGuinn / J. Claydon

#### RECORDER DATA:

Rec #:	6885	6884	6883		
Range (psi):	10k	10k	10k		
Clock (hrs):	M15673	M15692	M15688		
Depth (m):	857.87	864.37	876.53		
	PSIG	PSIG	PSIG		
Initial Hydrostatic:	-	1257.48	1274.63		
Initial Prewflow:	-	7.18	23.70		
Final Prewflow:	-	40.40	56.42		
Initial Shutin:	29.70	1107.12	1123.03		
Initial Flow:	-	41.66	57.47		
Final Flow:	-	214.40	230.65		
Final Shutin:	203.80	1111.93	1127.55		
Final Hydrostatic:	1237.70	1256.16	1272.66		
Inside / Outside:	Fluid	Inside	Outside		

#### TIME DATA:

		<u>Time Start</u>	<u>Time End</u>
Prewflow:	25 mins	6:05	6:30
Initial Shutin:	5 mins	6:30	6:35
Initial Flow:	240 mins	6:35	10:35
Final Shutin:	60 mins	10:35	11:35

(24 hour time)

Pick Up Tools:	1:30
RIH Pipe:	2:15
On Depth:	6:00
Open Tools:	6:05
Time Pulled:	11:35
Drop Bar:	11:40
POOH Pipe:	12:30
L/O Tools:	15:00
Finish L/O Tools:	16:30

#### TOOL DATA:

		<u>OD (in)</u>	<u>ID (in)</u>	<u>Length (m)</u>	<u>Cap. (bbls/ft)</u>
Tool Weight:	2 000 lb	Drill Pipe 1:	3.5	2.764	731.45
Weight Set on Packers:	20 000 lb	Drill Pipe 1:	-	-	-
Weight Pulled Free:	42 000 lb	HW Drill Pipe 1:	-	-	-
Initial String Weight:	42 000 lb	HW Drill Pipe 2:	-	-	-
Hole Size:	6-1/8 in	Drill Collars 1:	4.75	2.25	129.11
Bottom Hole Choke:	3/4 in	Drill Collars 2:	-	-	-

**FLUID RECOVERY:**

142.5	m of	Formation Water
	m of	
	m of	
	m of	

**MUD DATA:**

<b>Mud Type:</b>	KCl/Polymer
<b>Weight:</b>	8.5 ppg
<b>Viscosity:</b>	48 sec
<b>W.L.</b>	7.2 cc/30min
<b>F.C.</b>	1 /32"
<b>Mud Drop:</b>	v Dropping Annulus
<b>Dropped:</b>	12.0 bbls

**BLOW DESCRIPTION AND REMARKS:**

**Initial Flow:** 6:05 Tool open. No bubble. 6:30 No bubble. Cycle tool.

**Second Flow:** 6:35 Tool open. 6:40 Weak bubble on top of bucket.

7:15 Weak bubble 1/2" in bucket. 7:20 1" in bucket.

8:30 2" in bucket. 8:48 1" in bucket.

9:30 1/2" in bucket. 10:00 1" in bucket.

10:20 On top of bucket. 10:35 Shutin tool. N.G.T.S. / N.F.T.S.

**SAMPLE CHAMBER RECOVERY:** 4L formation water **SURFACE CHOKE SIZE:** 1/4 in

**Comments:**

**GENERAL DATA:**

**Number of Packers:** 2  
**Packer Size:** 5-1/2" x 36"

**Packer S/N:** N/A  
**Location:** Top  
**Condition OOH:** Rerunable

**Packer S/N:** N/A  
**Location:** Bottom  
**Condition OOH:** Rerunable

**Prior operations:** Drilling  
**Wiper Trip Performed:** No  
**Amount of Fill (m):** Nil  
**Hole Condition:** Good

**Cushion Amount (m):** Nil  
**Cushion Type:** N/A  
**Reversed Out:** Yes  
**Tool Chased:** No

**BHT (°F):** 131  
**Company Rep:** L. Devattimo  
**Contractor:** Hunt Energy  
**Rig Number:** 2

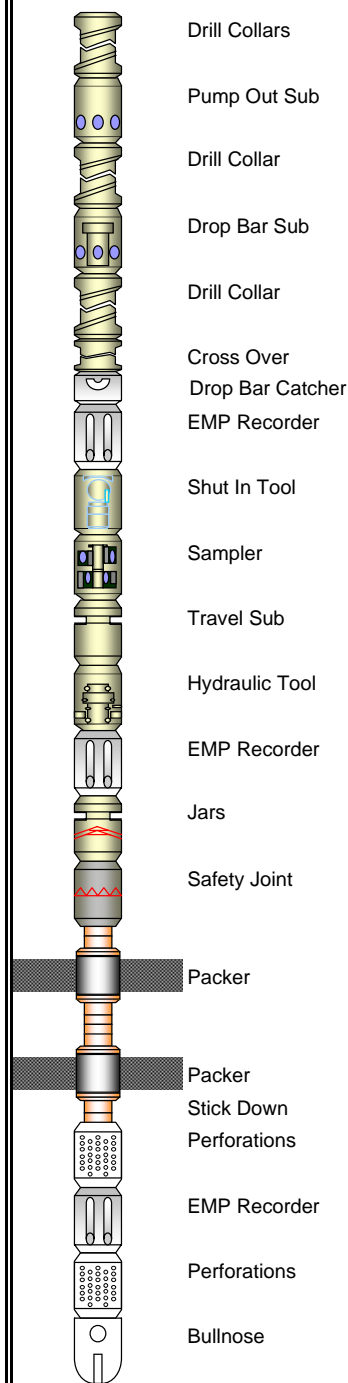
**GENERAL TEST COMMENTS:**

Nil.

**Company:** Lakes Oil NL  
**Well Name:** Loy Yang 2  
**Well Location:** PEP 166  
**State:** Victoria  
**Date:** 12/03/2006  
**Test Type:** Conventional - Bottom Hole  
**Formation:** Strzelecki Fm  
**Interval:** 872.45 - 882.00m  
**DST #:** 2



**Ticket #:** 887  
**TD:** 882.00m  
**RT Elev:** 107.65m  
**GL Elev:** 104.00m  
**Tester:** C. McGuinn / J. Claydon

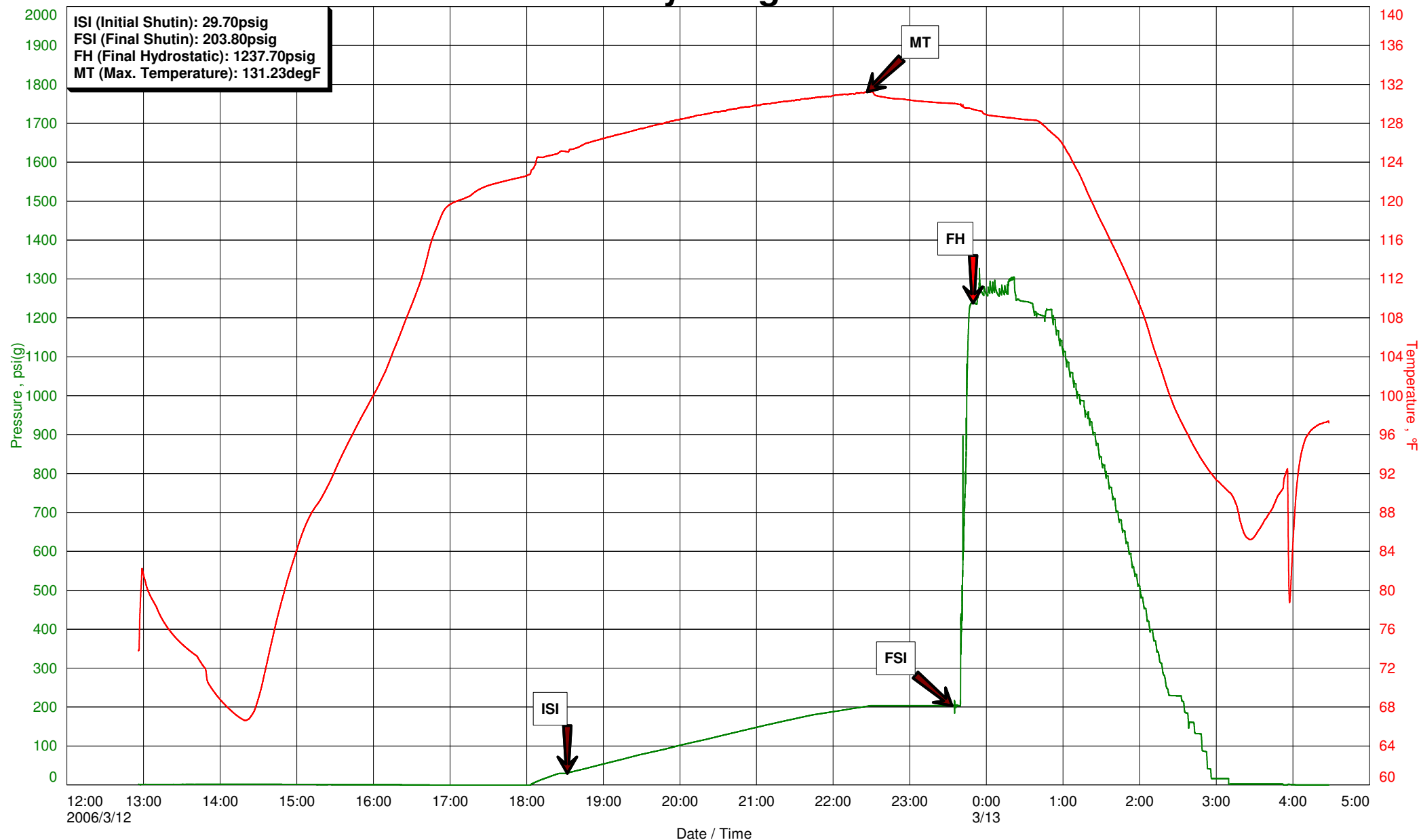


Total Tool to Bottom of Packers	15.76 m	
Tool in Interval	9.55 m	
<b>Total Tool:</b>	<b>25.31</b> m	
Drill Collars in Interval	0.00 m	
Drill Collars above Tool	129.11 m	
HW Drill Pipe above Tool	0.00 m	
Drill Pipe above Tool	729.93 m	
Pup Joints above Tool	1.52 m	
<b>TOTAL ASSEMBLY:</b>	<b>885.87</b> m	
<b>STICK UP:</b>	<b>-3.87</b>	
Drill Pipe	19.11	-3.87 1 stand
Pup Joints	1.52	15.24
Drill Pipe	710.82	16.76 37 stands
Drill Collars	111.34	727.58 12 x Drill Collars
Pump Out Sub	0.28	838.92
Drill Collar	8.63	839.20 1 x Drill Collar
Drop Bar Sub	0.28	847.83
Drill Collar	9.14	848.11 1 x Drill Collar
Cross Over	0.31	857.25
Drop Bar Catcher	0.31	857.56
EMP Recorder WMG 6885	1.52	857.87
Shut In Tool	1.68	859.39
Sampler	1.01	861.07
Travel Sub	0.44	862.08
Hydraulic Tool	1.85	862.52
EMP Recorder WMG 6884	1.52	864.37
Jars	2.23	865.89
Safety Joint	0.65	868.12
Packer	2.36	868.77
Packer	1.32	871.13
<b>DEPTH:</b>	<b>872.45</b>	
Stick Down	1.04	872.45
Perforations	3.04	873.49
EMP Recorder WMG 6883	0.91	876.53
Perforations	3.04	877.44
Bullnose	1.52	880.48
<b>TOTAL DEPTH:</b>	<b>882.00</b>	

Lakes Oil  
Fluid EMP Rec WMG 6885 Depth 857.87m  
Start Test Date: 2006/03/12

FLUID REC DST 2  
Formation: Strzelecki  
Job Number: DST 2

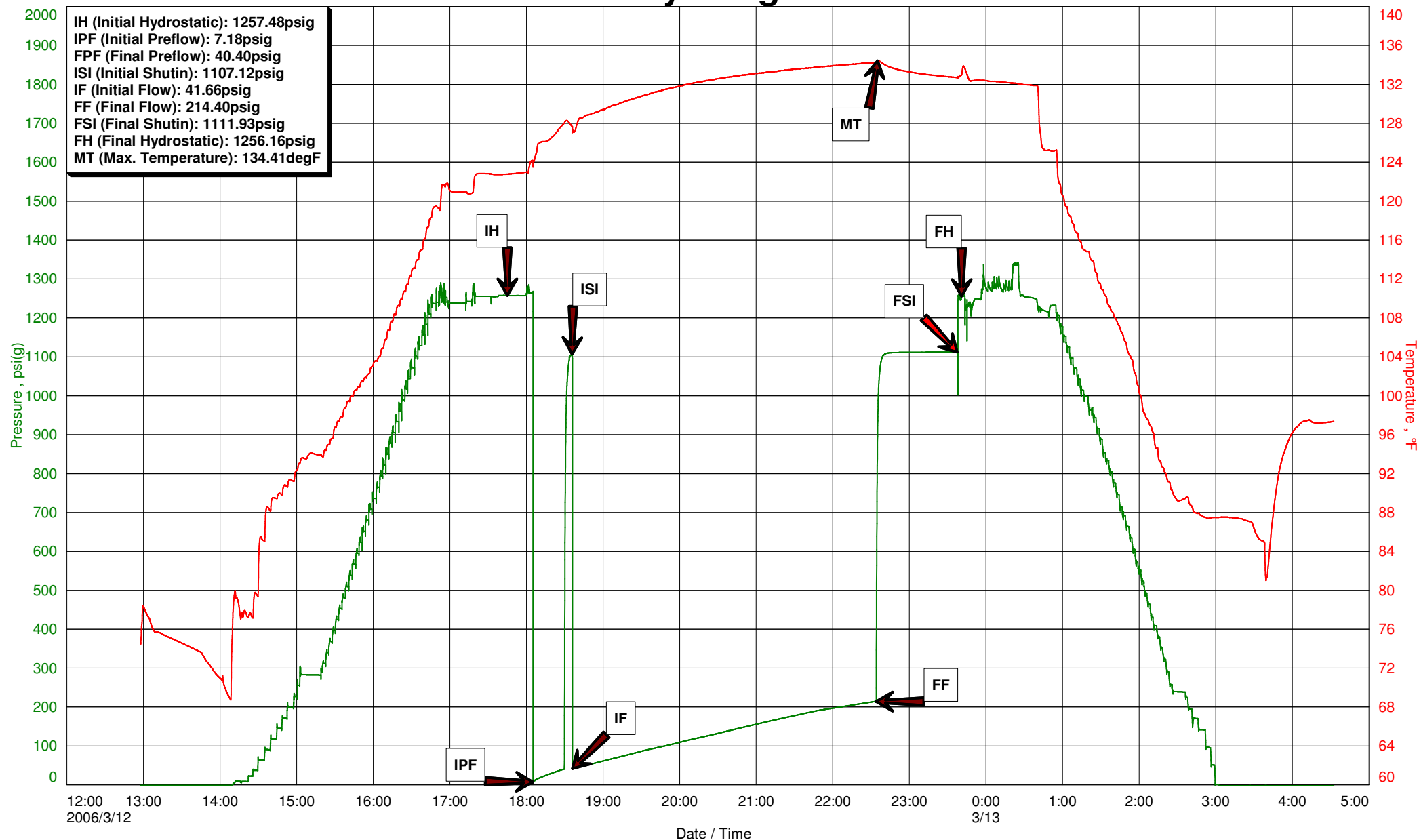
## Loy Yang 2



Lakes Oil  
Inside EMP Rec WMG 6884 Depth 864.37m  
Start Test Date: 2006/03/12

INSIDE REC DST 2  
Formation: Strzelecki  
Job Number: DST 2

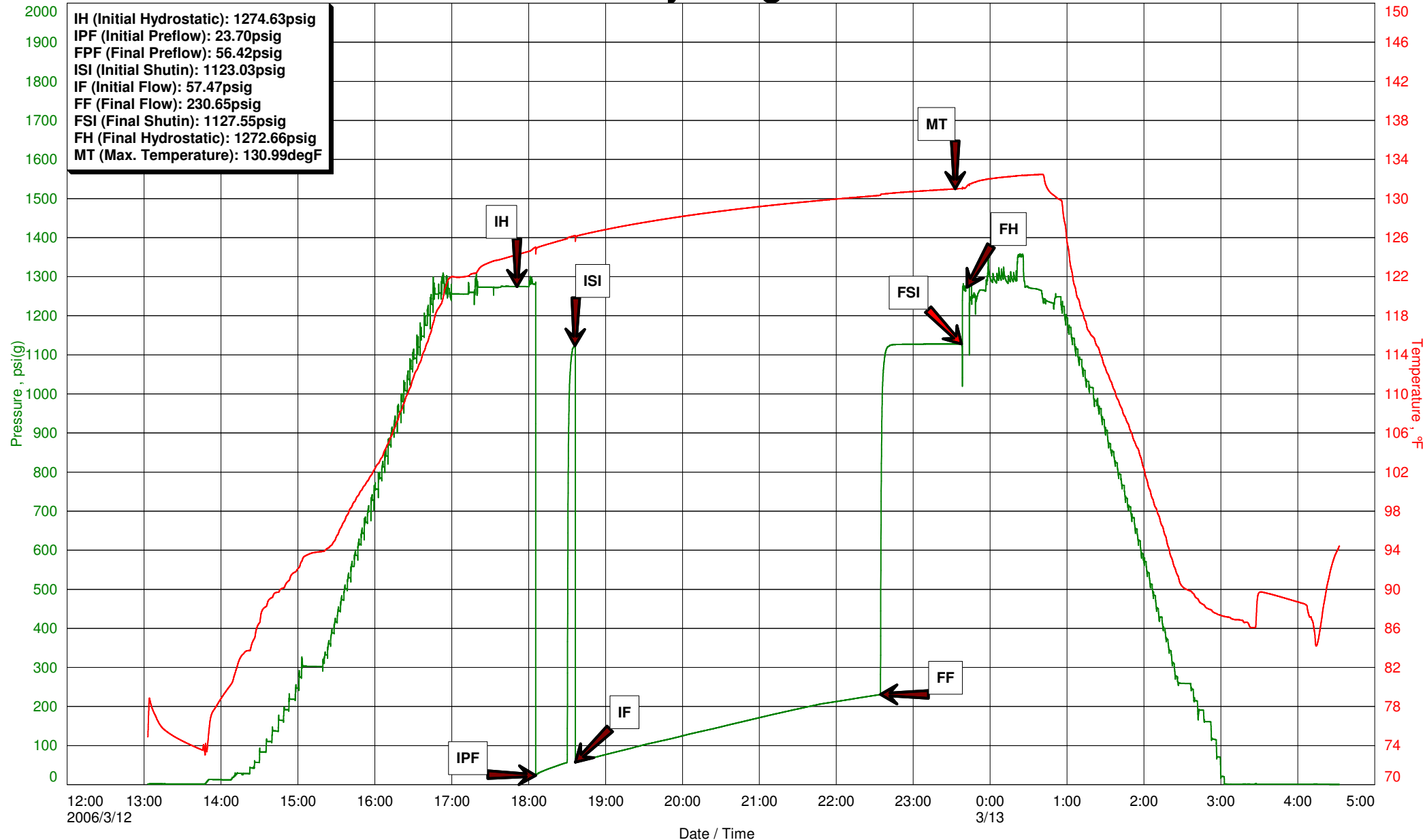
## Loy Yang 2



Lakes Oil  
Outside EMP Rec WMG 6883 Depth 876.53m  
Start Test Date: 2006/03/12

OUTSIDE REC DST 2  
Formation: Strzelecki  
Job Number: DST 2

## Loy Yang 2





**LOY YANG 2**  
**DST 3**  
**REPORT, PLOTS & DATA**



**Company:** Lakes Oil NL  
**Well Name:** Loy Yang 2  
**Well Location:** PEP 166  
**State:** Victoria  
**Date:** 18/03/2006  
**Test Type:** Conventional - Bottom Hole  
**Formation:** Strzelecki  
**Interval:** 1409.93 - 1443.00m  
**DST #:** 3



**Ticket #:** 728  
**TD:** 1443.00m  
**RT Elev:** 107.65m  
**GL Elev:** 104.00m  
**Tester:** N. McElroy / J. Claydon

#### RECORDER DATA:

Rec #:	6885	6884	6883		
Range (psi):	10k	10k	10k		
Battery S/N:	M15673	M15692	M15688		
Depth (m):	1395.35	1401.85	1418.57		
	PSIG	PSIG	PSIG		
Initial Hydrostatic:	-	2043.09	2067.57		
Initial Preflow:	-	-	-		
Final Preflow:	-	-	-		
Initial Shutin:	-	-	-		
Initial Flow:	-	140.50	172.86		
Final Flow:	-	1708.79	1730.59		
Final Shutin:	1698.15	1785.56	1807.09		
Final Hydrostatic:	2024.66	2036.83	2060.81		
Inside / Outside:	Fluid	Inside	Outside		

#### TIME DATA:

		<u>Time Start</u>	<u>Time End</u>
Preflow:	- mins	-	-
Initial Shutin:	- mins	-	-
Initial Flow:	420 mins	22:31	5:31
Final Shutin:	60 mins	5:31	6:31
(24 hour time)			

Pick Up Tools:	15:25
RIH Pipe:	17:00
On Depth:	22:00
Open Tools:	22:31
Time Pulled:	6:35
Drop Bar:	6:45
POOH Pipe:	0:00
L/O Tools:	17:30
Finish L/O Tools:	19:30

#### TOOL DATA:

		<u>OD (in)</u>	<u>ID (in)</u>	<u>Length (m)</u>	<u>Cap. (bbls/ft)</u>
Tool Weight:	9 000 lb	Drill Pipe 1:	3.5	2.764	1271.63
Weight Set on Packers:	28 000 lb	Drill Pipe 2:	-	-	-
Weight Pulled Free:	82 000 lb	HW Drill Pipe 1:	-	-	-
Initial String Weight:	63 000 lb	HW Drill Pipe 2:	-	-	-
Hole Size:	6-1/8 in	Drill Collars 1:	4.75	2.25	129.19
Bottom Hole Choke:	3/4 in	Drill Collars 2:	-	-	-

**FLUID RECOVERY:**

1199.42	m of	Formation water
	m of	
	m of	
	m of	

**MUD DATA:**

Mud Type:	KCl/Polymer
Weight:	8.9 ppg
Viscosity:	37 sec
W.L.	- cc/30min
F.C.	1 /32"
Mud Drop:	Annulus Static

**BLOW DESCRIPTION AND REMARKS:**

<b>Mainflow:</b> 22:31 - Weak blow increasing.	22:32 - Weak blow increasing to moderate.
22:34 - Moderate blow to bottom of bucket.	22:45 - Moderate blow increasing to strong blow in bottom of bucket.
23:00 - Strong blow in bottom of bucket.	23:30 - Decreasing to moderate blow bottom of bucket.
0:00 - Moderate blow in bottom of bucket.	1:00 - Moderate blow in bottom of bucket.
1:45 - Weakening blow bottom of bucket.	2:00 - Weakening blow.
2:15 - Weakening blow.	2:30 - Weakening blow no longer on the bottom of bucket.
2:45 - Weakening blow 9" from top of the bucket and weakening to 4" in 15minutes.	
3:15 - Weak blow 2" from the top of the bucket.	3:30 - Weak blow 1" from top of the bucket.
3:45 - Very weak blow at the top of the bucket decreasing to weak bubbles in 15minutes.	
4:15 - Maintain weak bubbles at the top of the bucket till the tool was cycled closed.	
5:30 - Tool cycled close.	
N.G.T.S./ N.F.T.S	

<b>SAMPLE CHAMBER RECOVERY:</b> 3L of formation water	<b>SURFACE CHOKE SIZE:</b> 1/4 in
---	-----------------------------------

**Comments:** Sample chamber pressure 40psi.

**GENERAL DATA:**

<b>Number of Packers:</b> 2	<b>Packer S/N:</b> NA	<b>Packer S/N:</b> NA
<b>Packer Size:</b> 5-1/2" x 36"	<b>Location:</b> Top	<b>Location:</b> Bottom
	<b>Condition OOH:</b> Damaged	<b>Condition OOH:</b> Rerunable
<b>Prior operations:</b> Logging	<b>Cushion Amount (m):</b> Nil	<b>BHT (°F):</b> 172
<b>Wiper Trip Performed:</b> Yes	<b>Cushion Type:</b> N/A	<b>Company Rep:</b> L. Devattimo
<b>Amount of Fill (m):</b> Nil	<b>Reversed Out:</b> Yes	<b>Contractor:</b> Hunt Energy
<b>Hole Condition:</b> Good	<b>Tool Chased:</b> No	<b>Rig Number:</b> 2

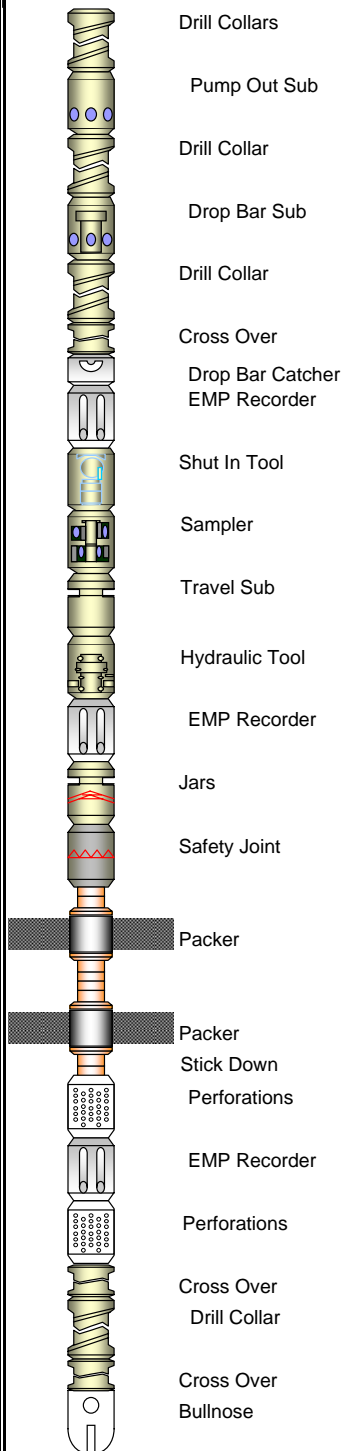
**GENERAL TEST COMMENTS:**

Nil.

**Company:** Lakes Oil NL  
**Well Name:** Loy Yang 2  
**Well Location:** PEP 166  
**State:** Victoria  
**Date:** 18/03/2006  
**Test Type:** Conventional - Bottom Hole  
**Formation:** Strzelecki  
**Interval:** 1409.93 - 1443.00m  
**DST #:** 3



**Ticket #:** 728  
**TD:** 1443.00m  
**RT Elev:** 107.65m  
**GL Elev:** 104.00m  
**Tester:** N. McElroy / J. Claydon



Total Tool To Bottom of Packers	15.76 m
Tool Interval	14.13 m
<b>Total Tool :</b>	<b>29.89 m</b>
Drill Collars in Interval	18.94 m
Drill Collars above Tool	129.19 m
HW Drill Pipe above Tool	0.00 m
Drill Pipe above Tool	1271.63 m
Pup Joints above Tool	0.00 m
<b>TOTAL ASSEMBLY:</b>	<b>1449.65 m</b>

**STICK UP:**

Drill Pipe	1271.63	-6.65 66 stands & 1 single
Drill Collars	110.38	1264.98 12 x Drill Collars
Pump Out Sub	0.28	1375.36
Drill Collar	9.38	1375.64 1 x Drill Collar
Drop Bar Sub	0.28	1385.02
Drill Collar	9.43	1385.30 1 x Drill Collar
Cross Over	0.31	1394.73
Drop Bar Catcher	0.31	1395.04
EMP Recorder WMG 6885	1.52	1395.35
Shut In Tool	1.68	1396.87
Sampler	1.01	1398.55
Travel Sub	0.44	1399.56
Hydraulic Tool	1.85	1400.00
EMP Recorder WMG 6884	1.52	1401.85
Jars	2.23	1403.37
Safety Joint	0.65	1405.60
Packer	2.36	1406.25
Packer	1.32	1408.61

**DEPTH:**

Stick Down	1.04	1409.93
Perforations	7.60	1410.97
EMP Recorder WMG 6883	0.91	1418.57
Perforations	2.44	1419.48
Cross Over	0.31	1421.92
Drill Collars	18.94	1422.23 2 x Drill Collars
Cross Over	0.31	1441.17
Bullnose	1.52	1441.48

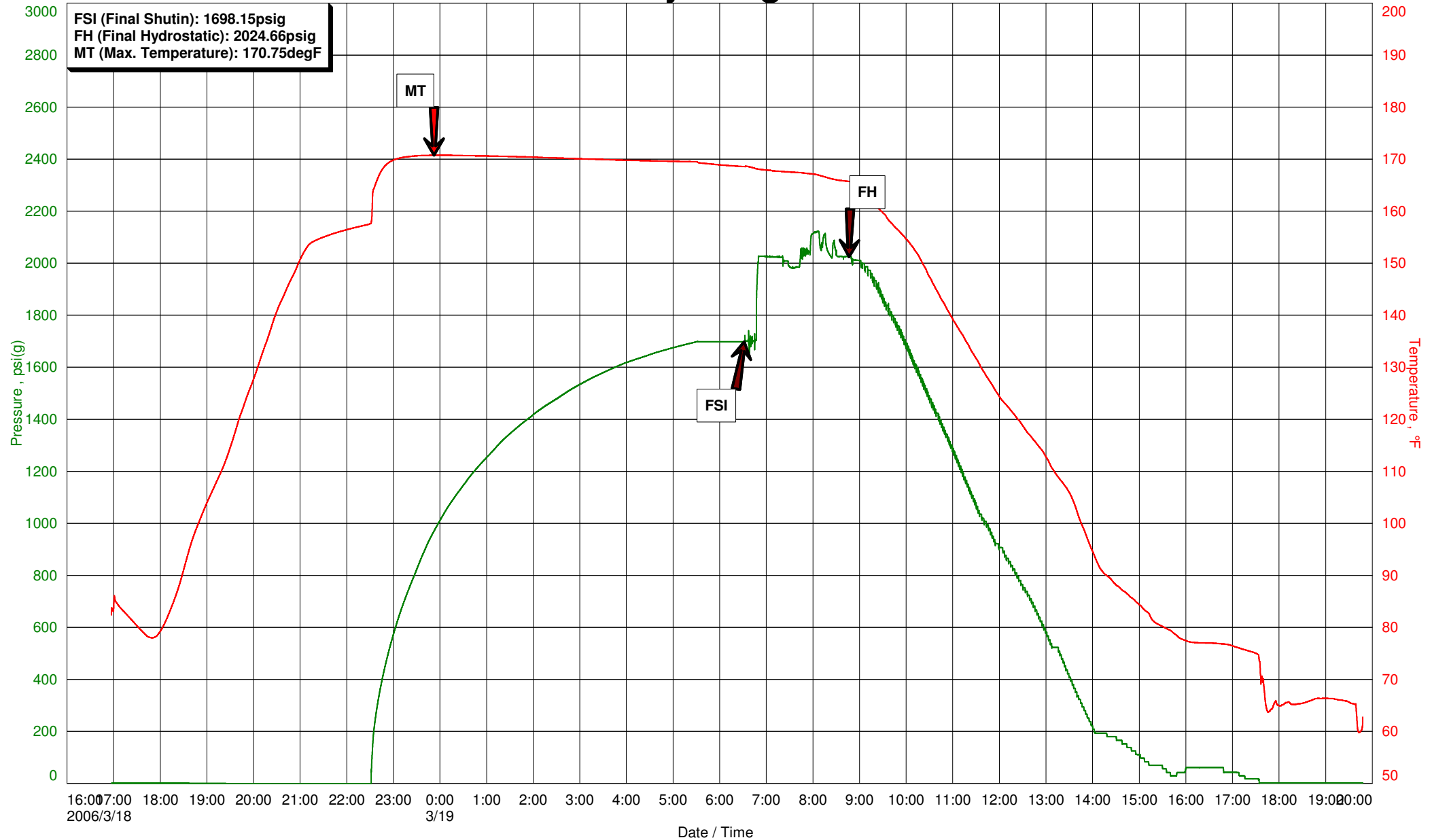
**TOTAL DEPTH:**

**1443.00**

Lakes Oil  
Fluid EMP Rec WMG 6885 Depth 1395.35m  
Start Test Date: 2006/03/18

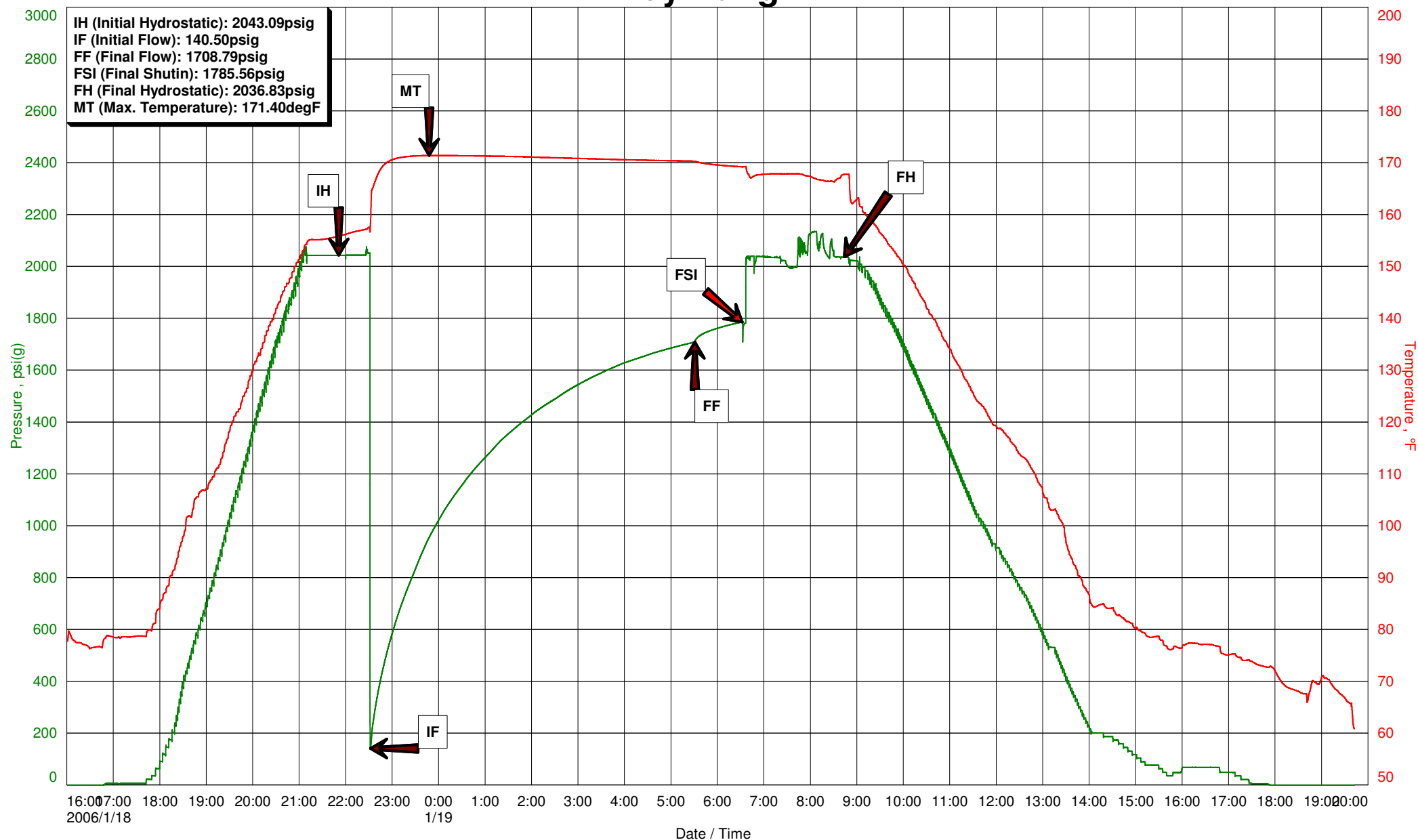
FLUID REC DST 3  
Formation: Strzelecki  
Job Number: DST 3

# Loy Yang 2



INSIDE REC DST 3  
Formation: Strzelecki  
Job Number: DST 3

## Loy Yang 2



Lakes Oil  
Outside EMP Rec WMG 6883 Depth 1418.57m  
Start Test Date: 2006/03/18

OUTSIDE REC DST 3  
Formation: Strzelecki  
Job Number: DST 3

## Loy Yang 2

