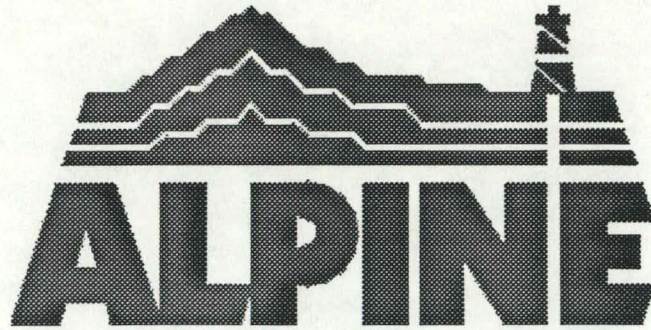


N.E.B. COPY

PARA ET AL FORT LIARD



Drill Stem Test Report

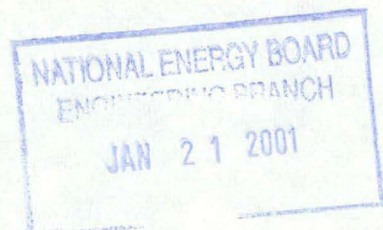
Prepared for: **PARAMOUNT RESOURCES**
4700, 888 - 3rd Street S.W.
CALGARY, AB

Well Name: PARA ET AL FORT LIARD
Location: N-01-60-10-123-15

Test Date: 01/10/2001

Job Ticket #: D2-8751 DST#: 5

N-01-60-10-123-15



DST#5



Drill Stem Testing Report

Company: PARAMOUNT RESOURCES LTD.
4700, 888 - 3rd Street S.W.
CALGARY, AB

Job Ticket #: D2-8751 DST#: 5
Test Date: 01/10/2001 1200hrs

Well Name: PARA ET AL FORT LIARD
Location: N-01-60-10-123-15

Contact: WILBERT CALLIHOO

General Information:

Test Type: INFLATE RESET
Interval: 1738.00m - 1759.00m
Formation: 1ST MID. BELLY RIVER
KB Elevation: 492.10m
Ground Elevation: 487.00m
Total Depth: 1940.00m
Test Mode: Gas

Tester: D. ROSS
Truck No.: Unit 677
Contractor: PRECISION
Rig No.: 387
Hole Diameter: 222mm
Hole Condition: GOOD
Bottom Hole Temperature: 44.00 C

Electronic Recorder Information:

OUTSIDE
Recorder #: 126

Range: 35000 kPa
Depth: 1740.92 m

OUTSIDE
Recorder #: 124

Range: 70000 kPa
Depth: 1740.92 m

Flag Points:

	Time:	Pressure:
A Initial Hydrostatic	0.00	20172.7
B Start of 1st Flow	0.00	7710.7
C End of 1st Flow	9.00	8060.3
D End of 1st Shutin	19.00	17303.4
E Start of 2nd Flow	0.00	7627.9
F End of 2nd Flow	59.00	9612.8
G End of 2nd Shutin	45.00	17232.8
Q Final Hydrostatic	0.00	19863.7

Test Run Information:

Start Time: 1200hrs
Reached Test Depth: 200hrs
Pull Out Time: 430hrs
Tool Out Of Hole: 1000hrs

Weight set on Packers: 8000.00daN
Weight to free Packers: 8000.00daN
Initial String Weight: 44000.00daN
Unseated String Weight: 45000.00daN

Tool Chased Dist: 0.00m Water Loss: 6.20cm³
Mud Type: GEL CHEMICAL Mud Drop: NO
Mud Weight: 1160.00kg/m³ VIS: 76.00S/L
Amount of fill: 0.00m Filter Cake: 1.60mm
Amt of cushion: 0.00 Pump Time: 30min
Type of cushion: Reversed Out: NO

General Remarks:

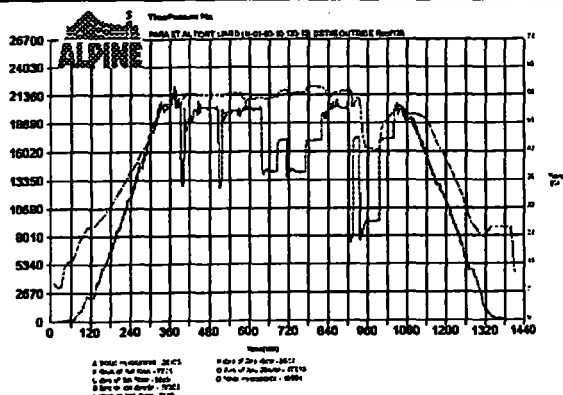
This is the third of three tests run on the same trip in the hole. Mechanically successful. *Test results suggest excellent permeability within the zone tested.

PREFLOW: Gas to surface immediately with a 6 meter flare. No rates taken for preflow.

FINAL FLOW: Gas to surface immediately, misting mud throughout.

***See gas volume charts for gas rates.

NOTE - See Alpine Telemetry report for real time data acquisition.

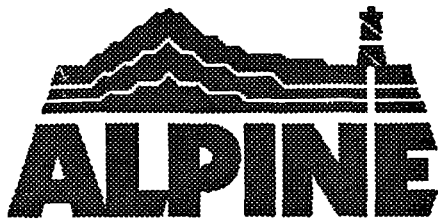


Recovery Description:

Total fluid recovery for DST #3 through #5 was 55 meters, consisting of 25 meters condensate and 30 meters fresh water.

Gas to surface.

Gas Bomb: 5 Sampler: 3
Fluid Sample: 4 Sent to: AGAT LAB



Drill Stem Testing - Tool Diagram / Description

Company: PARAMOUNT RESOURCES LTD.
4700, 888 - 3rd Street S.W.
CALGARY, AB

Job Ticket #: D2-8751 DST#: 5
Test Date: 01/10/2001 1200hrs

Well Name: PARA ET AL FORT LIARD

Contact: WILBERT CALLIHOO

Location: N-01-60-10-123-15

Inflate Straddle

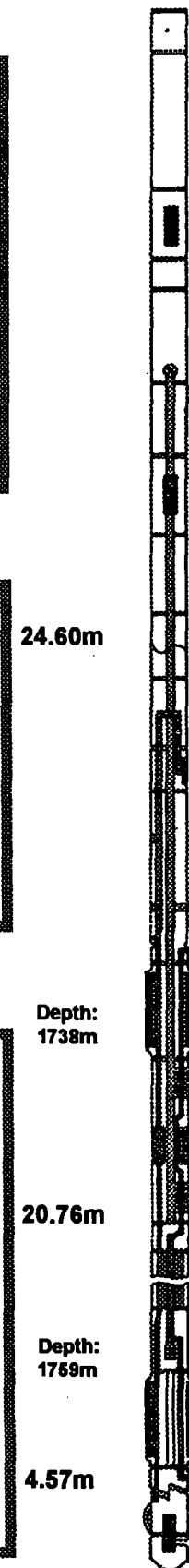
Drill Collar Stands:	3
Drill Collar Singles:	0
Drill Pipe Stands:	67
Drill Pipe Singles:	1
Heavy Wt. Pipe Stands:	20
Heavy Wt. Pipe Singles:	0
Total Drill Collars/Pipe and Tools:	1739.92m
Total Drill Pipe Above K.B.:	1.92m
Total Depth:	1940m

Tool / Drill Stem Information:

Tool Weight:	2000.00 daN
Drill Collar Inside Diameter:	54.00 mm
Drill Collar Length:	54.49 m
Drill Pipe Inside Diameter:	97.00 mm
Drill Pipe Length:	1288.71 m
Heavy Weight Pipe Diameter:	69.00 mm
Heavy Weight Pipe Length:	372.12 m
Bottom Choke Diameter:	12.70 mm
Number of Packers: 2 Dia.:	196.90 mm

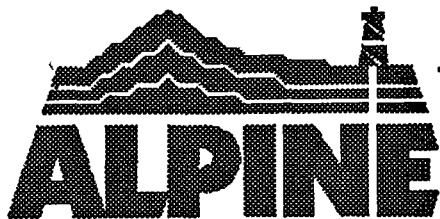
Tool Remarks:

	24.60m
	49.93m
	20.76m
	Depth: 1769m
	4.57m



Item	Length
P.O. Sub	0.31
Bit Sub	1.04
Double Pin	0.31
P.O. Sub	0.31
REC#063	1.50
HMV Stroke	2.18
Sampler	1.10
REC#070	1.50
Telemetry Tool	5.80
Jars	1.82
Safety Joint	0.65
Pump	2.04
Screen	1.18
Valve	2.23
Deflate	0.85
Packer Stub	1.78
ASE Carrier	0.72
REC#124	2.20
REC#126	
Bypass Hanger	0.42
C.O. Sub	0.30
DRILL COLLAR	9.24
C.O. Sub	0.30
Blank Spacing	6.08
Bypass Receiver	0.78
Stub	0.72
Packer	1.78
Extension Sub	0.71
Drag Spring	2.08

Total Depth: 1940.00m



Drill Stem Testing - Gas Recovery Measurements

Company: PARAMOUNT RESOURCES LTD.
4700, 888 - 3rd Street S.W.
CALGARY, AB

Job Ticket #: D2-8751 DST#: 5
Test Date: 01/10/2001 1200hrs

Well Name: PARA ET AL FORT LIARD

Contact: WILBERT CALLIHOO

Location: N-01-60-10-123-15

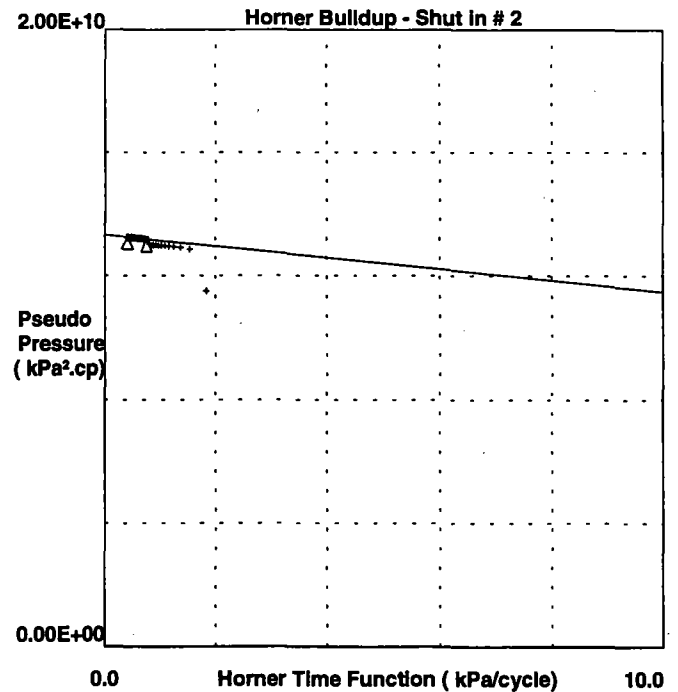
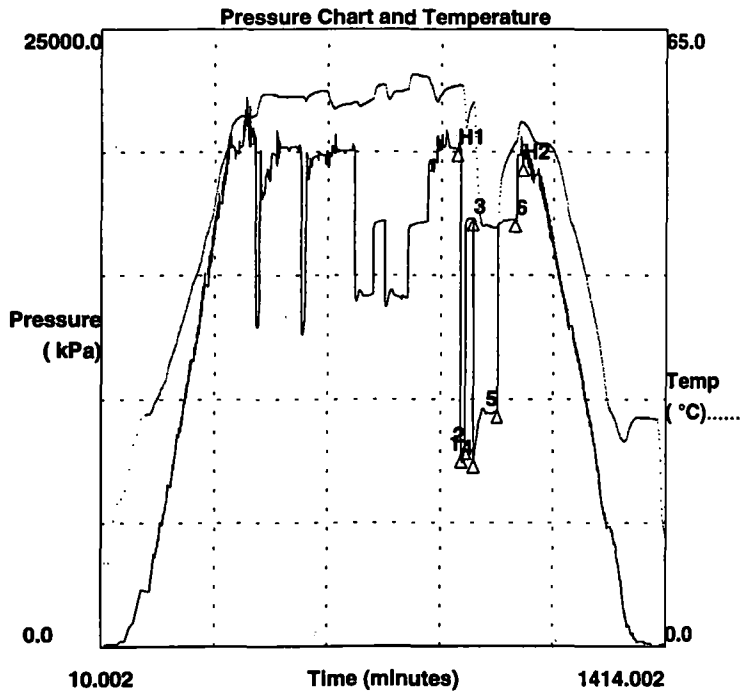
Gas Measurements for Flow # 2

Gas Recovery Measured With: Willis Choke

Time (min.)	Orifice (mm)	Pressure(kPa)	Rate (m ³ /d)
10	19.50	2200	138232.00
20	19.50	3400	210320.00
30	22.23	3500	323545.00
40	22.23	3500	323545.00
50	22.23	3500	323545.00
59	22.23	3500	323545.00

Well: PARA ET AL FORT LIARD DST #5 Formation: 1ST MID BLRV (1738-1759 m)

General Summary



Event Summary:	Time (min)	Pressure (kPa)
	Durations (min)	
1. Start Initial Flow	904.00	7710.74
2. Start Initial Shut In	913.00	8060.28
3. End Initial Shut In	932.00	17303.44
4. Start Main Flow	934.00	7527.87
5. Start Main Shut In	993.00	9512.84
6. End Main Shut In	1037.00	17232.84
H1 Hydrostatic Initial	892.00	20124.08
H2 Hydrostatic Final	1055.00	19500.23

RESULTS: Shut-in # 2

Perm-Thickness	868.976 md.m
Permeability	78.998 md
Form. Pressure	17268.5 kPa
Skin	76.2
AOF	464.5 10³m³/day
Damage Ratio	9.45
Distance	19.4 m
Flowrate (GAS)	323.5 10³m³/day

GAS and Formation Properties

Viscosity	0.017 cp
Volume Factor 1/Bg	0.007
Compressibility	4.03E-05 1/kPa
Porosity	0.15
Water Saturation	0.24
Thickness	11.0 m

Depletion Summary: Shut-in 1 vs 2

Pressure Drop=	68.5 kPa
Percent Drop (Extrap.)=	0.4 %
Percent Drop (Raw)=	0.4 %

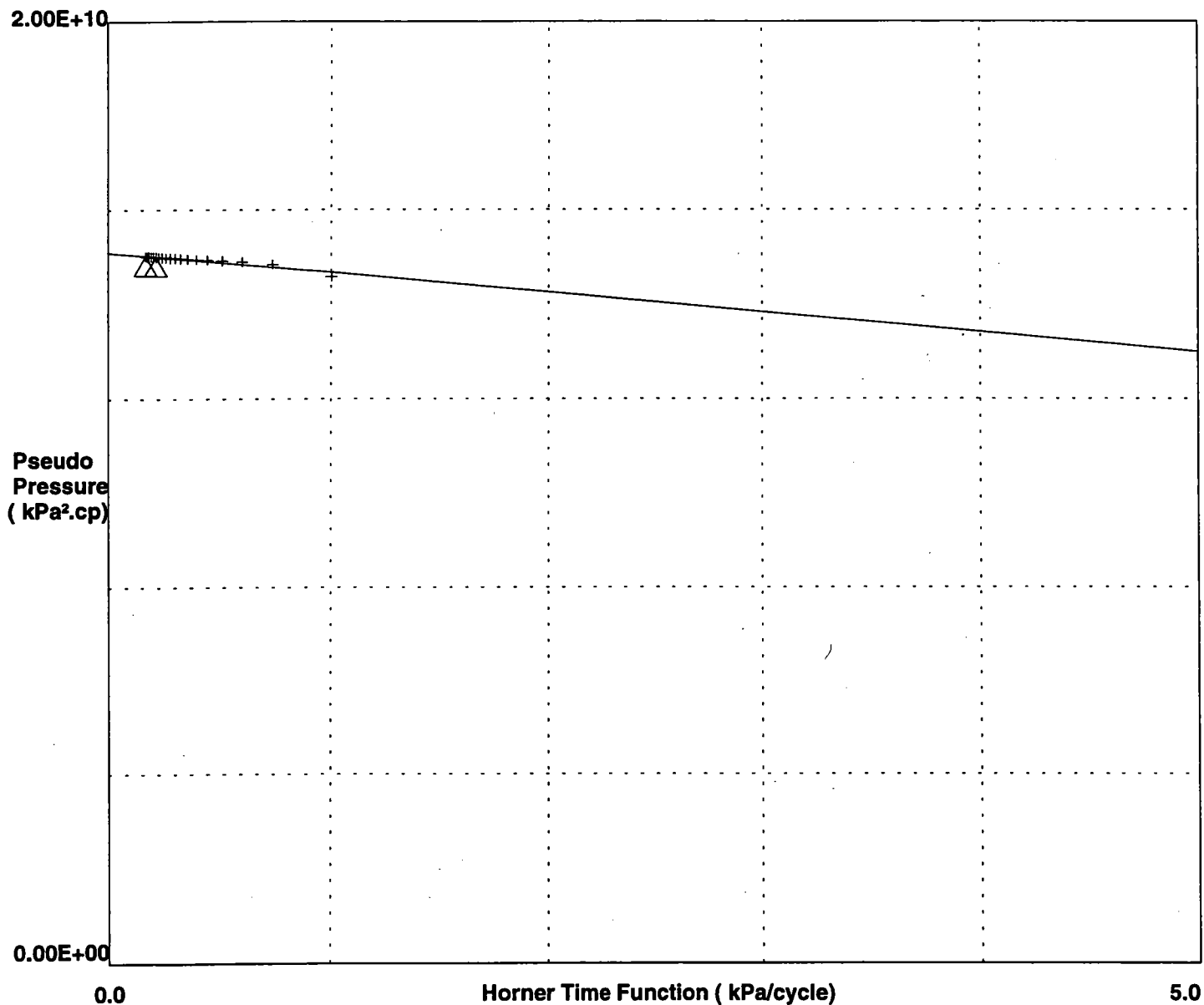
RESULTS: Shut-in # 1

Perm-Thickness	163.77 md.m
Permeability	14.888 md
Form. Pressure	17337.0 kPa
Skin	35.7
AOF	176.3 10³m³/day
Damage Ratio	5.3
Distance	8.4 m
Flowrate (GAS)	138.2 10³m³/day

General Remarks

Well: PARA ET AL FORT LIARD DST #5 Formation: 1ST MID BLRV (1738-1759 m)

Horner Plot Shut-in # 1



RESULTS: Shut-in # 1

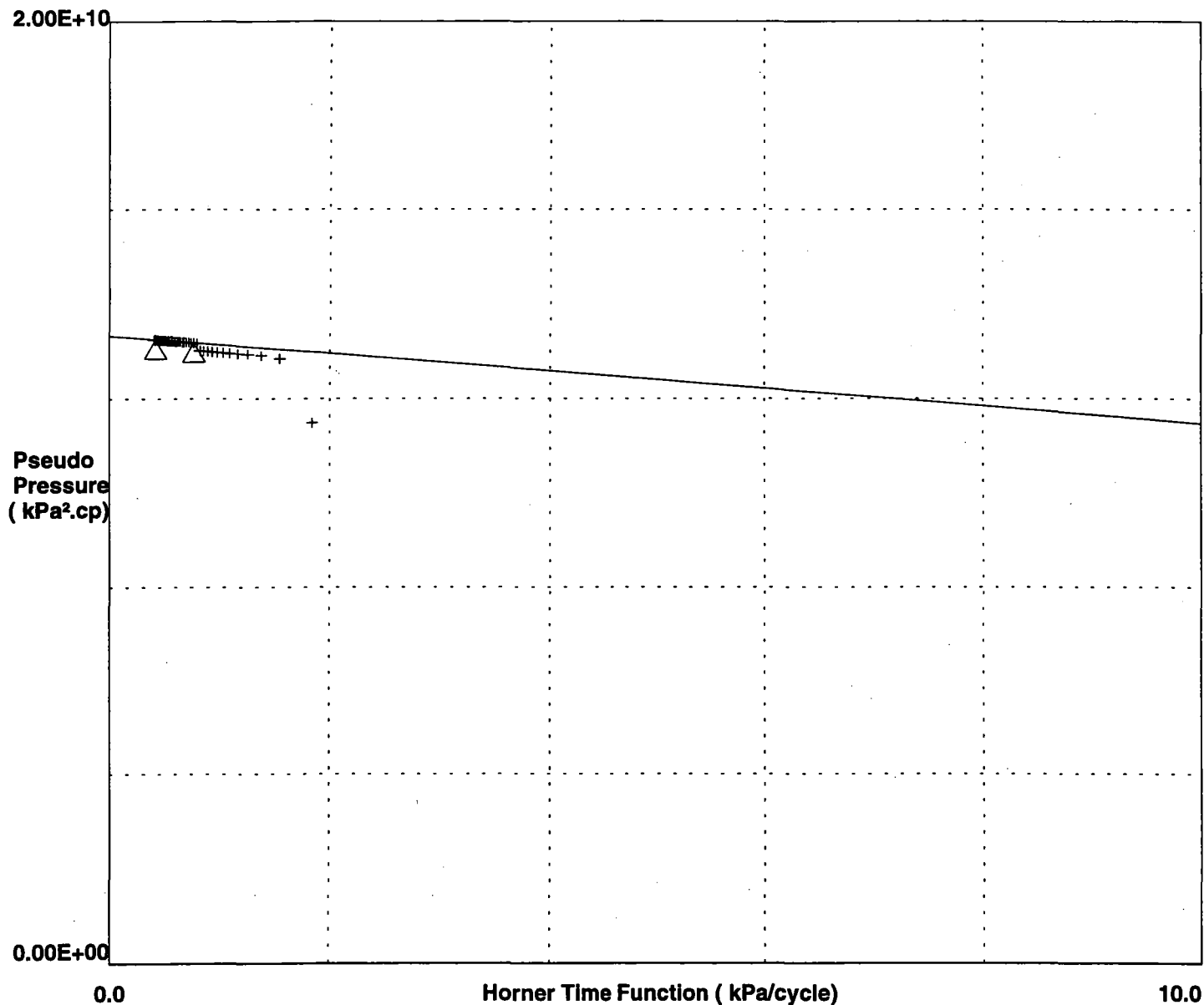
Perm-Thickness	163.77 md.m
Permeability	14.888 md
Form. Pressure	17337.0 kPa
Skin	35.7
AOF	176.3 10 ³ m ³ /day
Damage Ratio	5.3
Distance	8.4 m
Flowrate (GAS)	138.2 10 ³ m ³ /day

GAS and Formation Properties

Viscosity	0.017 cp
Volume Factor 1/Bg	0.007
Compressibility	4.03E-05 1/kPa
Porosity	0.15
Water Saturation	0.24
Thickness	11.0 m

Well: PARA ET AL FORT LIARD DST #5 Formation: 1ST MID BLRV (1738-1759 m)

Horner Plot Shut-in # 2



RESULTS: Shut-in # 2

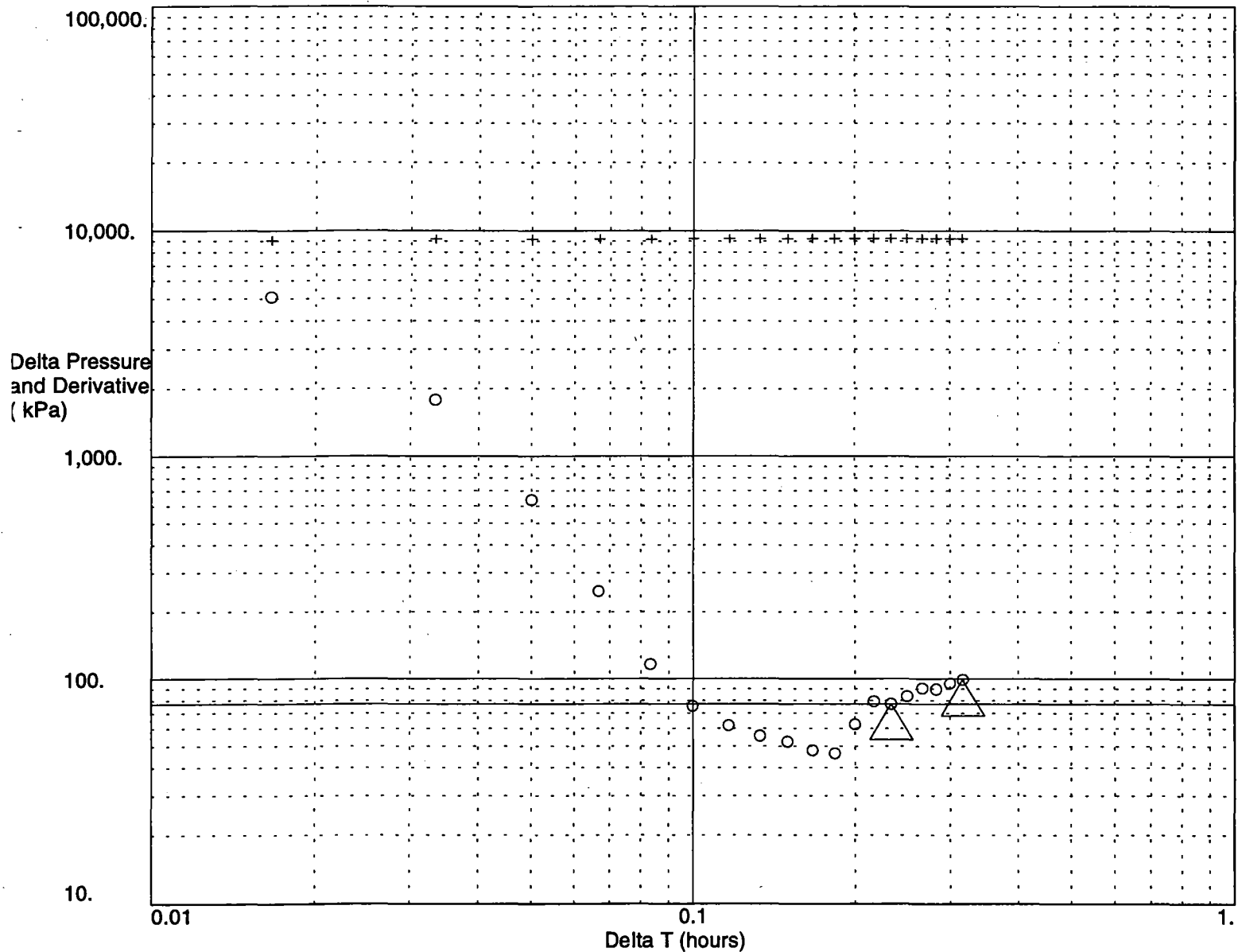
Perm-Thickness	868.976 md.m
Permeability	78.998 md
Form. Pressure	17268.5 kPa
Skin	76.2
AOF	464.5 10³m³/day
Damage Ratio	9.45
Distance	19.4 m
Flowrate (GAS)	323.5 10³m³/day

GAS and Formation Properties

Viscosity	0.017 cp
Volume Factor 1/Bg	0.007
Compressibility	4.03E-05 1/kPa
Porosity	0.15
Water Saturation	0.24
Thickness	11.0 m

Well: PARA ET AL FORT LIARD DST #5 Formation: 1ST MID BLRV (1738-1759 m)

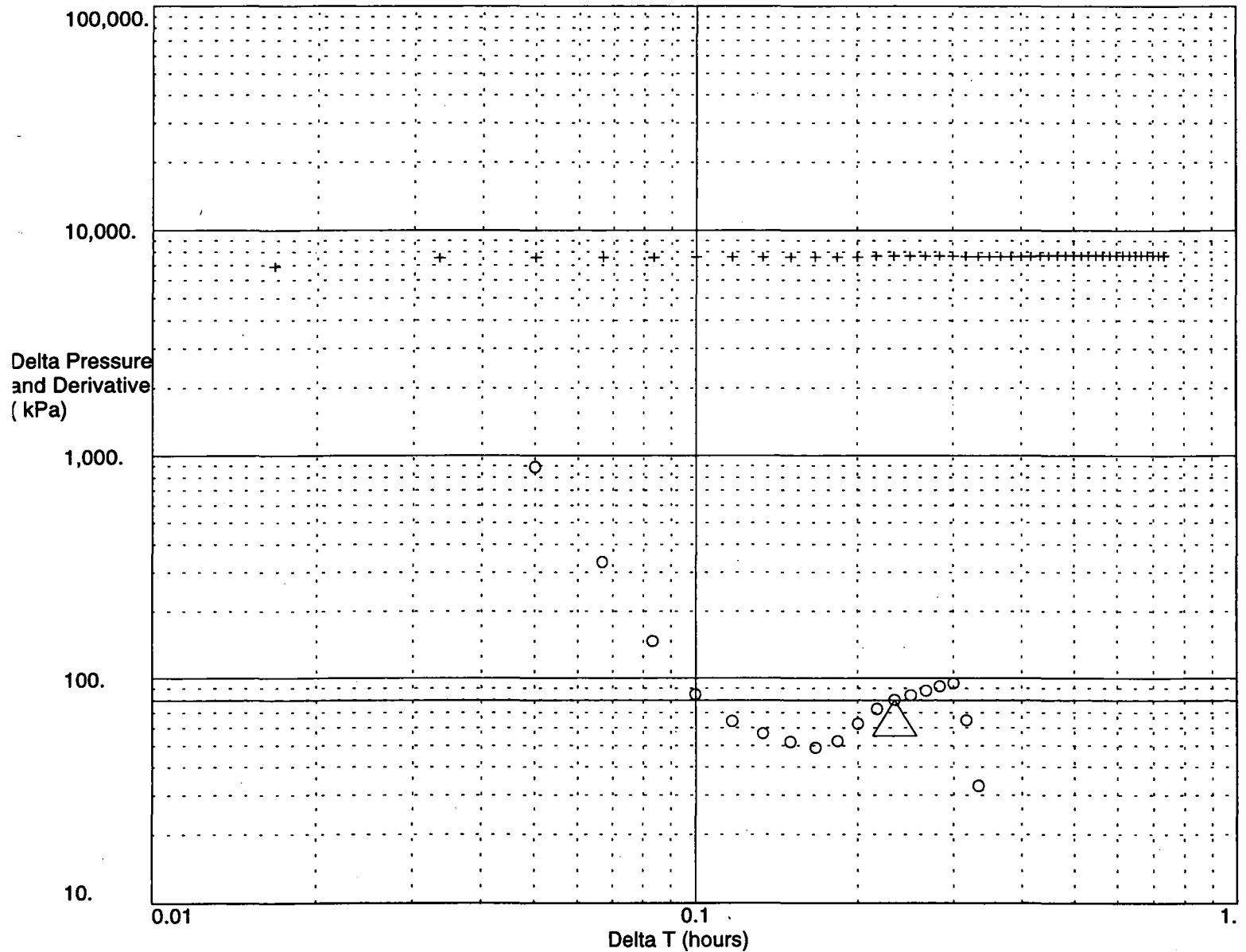
Delta P vs Delta T and Derivative Shut-in # 1



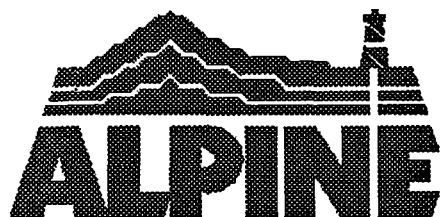
Identified Regime	From Delta T (hr)	To Delta T (hr);	Actual Slope	Ideal Slope
Infinite Acting	.23	.32	0.777	0.00

Well: PARA ET AL FORT LIARD DST #5 Formation: 1ST MID BLRV (1738-1759 m)

Delta P vs Delta T and Derivative Shut-in # 2



Identified Regime	From Delta T (hr)	To Delta T (hr);	Actual Slope	Ideal Slope
Infinite Acting	.23	.70	-4.672	0.00



Drill Stem Testing - Time / Pressure Listing

Company: PARAMOUNT RESOURCES LTD.
4700, 888 - 3rd Street S.W.
CALGARY, AB

Job Ticket #: D2-8751 DST#: 5

Test Date: 01/10/2001 1200hrs

Well Name: PARA ET AL FORT LIARD

Contact: WILBERT CALLIHOO

Location: N-01-60-10-123-15

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)	Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
A	Initial Hydrostatic	0.00	0.00	20172.70		59.1			7.00	739.60	8267.50		49.3
B	Start of 1st Flow	0.00	0.00	7710.70		59.0			8.00	883.10	8411.00		48.4
		1.00	253.50	7964.20		59.0			9.00	1041.60	8569.50		47.7
		2.00	-173.60	7537.10		58.9			10.00	1179.40	8707.30		47.0
		3.00	-292.80	7417.90		58.6			11.00	1297.40	8825.30		46.5
		4.00	-245.30	7465.40		58.2			12.00	1395.80	8923.70		46.0
		5.00	-39.30	7671.40		57.6			13.00	1497.70	9025.60		45.6
		6.00	33.60	7744.30		57.0			14.00	1561.30	9089.20		45.3
		7.00	155.10	7865.80		56.2			15.00	1607.60	9135.50		45.0
		8.00	182.90	7893.60		55.4			16.00	1666.70	9194.60		44.8
C	End of 1st Flow	9.00	349.60	8060.30		54.6			17.00	1728.00	9255.90		44.6
		1.00	9032.50	17092.80	10.0000	54.6			18.00	1778.90	9306.80		44.5
		2.00	9161.00	17221.30	5.5000	54.8			19.00	1863.40	9391.30		44.4
		3.00	9185.30	17245.60	4.0000	55.1			20.00	1914.30	9442.20		44.3
		4.00	9196.80	17257.10	3.2500	55.3			21.00	1972.20	9500.10		44.2
		5.00	9204.90	17265.20	2.8000	55.6			22.00	2032.40	9560.30		44.2
		6.00	9209.60	17269.90	2.5000	55.8			23.00	2067.10	9595.00		44.2
		7.00	9215.40	17275.70	2.2857	56.0			24.00	2081.00	9608.90		44.2
		8.00	9218.80	17279.10	2.1250	56.2			25.00	2085.60	9613.50		44.2
		9.00	9222.30	17282.60	2.0000	56.3			26.00	2050.90	9578.80		44.2
		10.00	9224.60	17284.90	1.9000	56.5			27.00	2026.60	9554.50		44.3
		11.00	9226.90	17287.20	1.8182	56.6			28.00	1993.00	9520.90		44.3
		12.00	9228.10	17288.40	1.7500	56.7			29.00	1954.90	9482.80		44.3
		13.00	9230.40	17290.70	1.6923	56.8			30.00	1930.50	9458.40		44.3
		14.00	9233.90	17294.20	1.6429	56.9			31.00	1870.40	9398.30		44.3
		15.00	9235.00	17295.30	1.6000	57.0			32.00	1884.20	9412.10		44.3
		16.00	9237.40	17297.70	1.5625	57.1			33.00	1907.40	9435.30		44.3
		17.00	9239.70	17300.00	1.5294	57.1			34.00	1917.80	9445.70		44.3
		18.00	9240.80	17301.10	1.5000	57.2			35.00	1921.30	9449.20		44.2
D	End of 1st Shutin	19.00	9243.10	17303.40	1.4737	57.3			36.00	1921.30	9449.20		44.2
E	Start of 2nd Flow	0.00	0.00	7527.90		56.7			37.00	1907.40	9435.30		44.2
		1.00	165.50	7693.40		55.8			38.00	1899.30	9427.20		44.2
		2.00	180.50	7708.40		54.7			39.00	1897.00	9424.90		44.2
		3.00	303.20	7831.10		53.6			40.00	1884.20	9412.10		44.2
		4.00	425.90	7953.80		52.4			41.00	1871.50	9399.40		44.1
		5.00	571.70	8099.60		51.3			42.00	1878.50	9406.40		44.1
		6.00	697.90	8225.80		50.2			43.00	1869.20	9397.10		44.1



Drill Stem Testing - Time / Pressure Listing

Company: PARAMOUNT RESOURCES LTD.
4700, 888 - 3rd Street S.W.
CALGARY, AB

Job Ticket #: D2-8751 DST#: 5
Test Date: 01/10/2001 1200hrs

Well Name: PARA ET AL FORT LIARD

Contact: WILBERT CALLIHOO

Location: N-01-60-10-123-15

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)	Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		44.00	1870.40	9398.30		44.1			22.00	7703.80	17216.60	4.0909	51.2
		45.00	1875.00	9402.90		44.1			23.00	7705.00	17217.80	3.9565	51.3
		46.00	1894.70	9422.60		44.1			24.00	7706.20	17219.00	3.8333	51.4
		47.00	1884.20	9412.10		44.0			25.00	7707.30	17220.10	3.7200	51.5
		48.00	1894.70	9422.60		44.0			26.00	7708.50	17221.30	3.6154	51.6
		49.00	1891.20	9419.10		44.0			27.00	7708.50	17221.30	3.5185	51.7
		50.00	1917.80	9445.70		44.0			28.00	7709.60	17222.40	3.4286	51.8
		51.00	1931.70	9459.60		44.0			29.00	7710.80	17223.60	3.3448	51.9
		52.00	1949.10	9477.00		44.0			30.00	7711.90	17224.70	3.2667	52.0
		53.00	1950.20	9478.10		44.0			31.00	7713.10	17225.90	3.1935	52.1
		54.00	1950.20	9478.10		44.0			32.00	7714.30	17227.10	3.1250	52.2
		55.00	1966.40	9494.30		44.0			33.00	7715.40	17228.20	3.0606	52.2
		56.00	1951.40	9479.30		44.1			34.00	7715.40	17228.20	3.0000	52.3
		57.00	1961.80	9489.70		44.1			35.00	7715.40	17228.20	2.9429	52.4
		58.00	1960.60	9488.50		44.1			36.00	7716.60	17229.40	2.8889	52.5
F	End of 2nd Flow	59.00	1984.90	9512.80		44.1			37.00	7717.70	17230.50	2.8378	52.6
		1.00	6871.70	16384.50	69.0000	44.3			38.00	7716.60	17229.40	2.7895	52.6
		2.00	7530.20	17043.00	35.0000	45.6			39.00	7718.90	17231.70	2.7436	52.7
		3.00	7559.20	17072.00	23.6667	46.5			40.00	7718.90	17231.70	2.7000	52.8
		4.00	7575.40	17088.20	18.0000	47.3			41.00	7718.90	17231.70	2.6585	52.9
		5.00	7578.80	17091.60	14.6000	47.8			42.00	7718.90	17231.70	2.6190	52.9
		6.00	7584.60	17097.40	12.3333	48.3			43.00	7718.90	17231.70	2.5814	53.0
		7.00	7590.40	17103.20	10.7143	48.7			44.00	7720.00	17232.80	2.5455	53.0
		8.00	7596.20	17109.00	9.5000	49.0	G	End of 2nd Shutin	45.00	7720.00	17232.80	2.5111	53.1
		9.00	7600.80	17113.60	8.5556	49.3	Q	Final Hydrostatic	0.00	0.00	19863.70		54.9
		10.00	7604.30	17117.10	7.8000	49.5							
		11.00	7607.80	17120.60	7.1818	49.7							
		12.00	7610.10	17122.90	6.6667	49.9							
		13.00	7684.20	17197.00	6.2308	50.1							
		14.00	7687.60	17200.40	5.8571	50.2							
		15.00	7689.90	17202.70	5.5333	50.4							
		16.00	7694.60	17207.40	5.2500	50.5							
		17.00	7695.70	17208.50	5.0000	50.6							
		18.00	7699.20	17212.00	4.7778	50.8							
		19.00	7699.20	17212.00	4.5789	50.9							
		20.00	7700.40	17213.20	4.4000	51.0							
		21.00	7701.50	17214.30	4.2381	51.1							

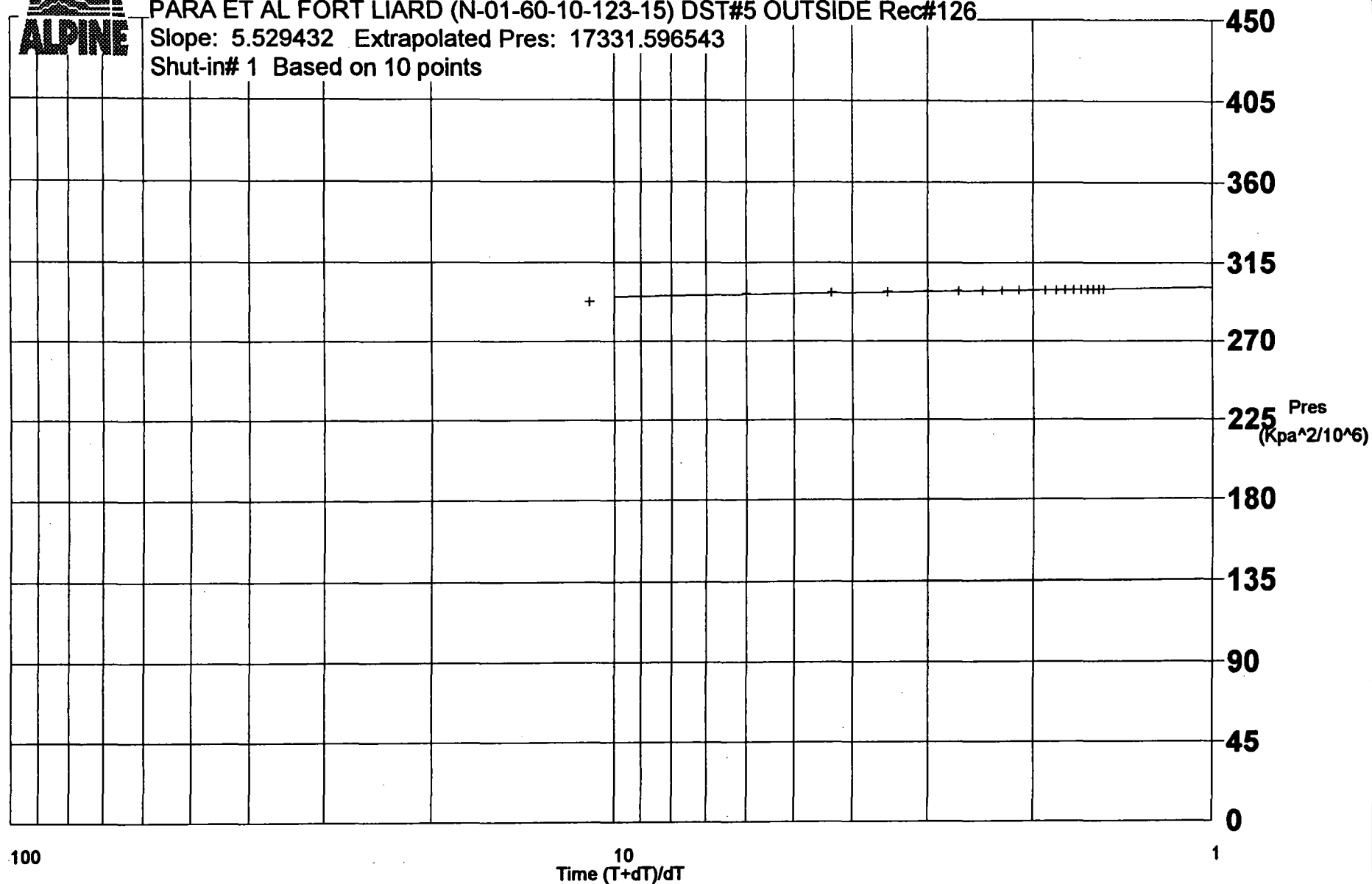


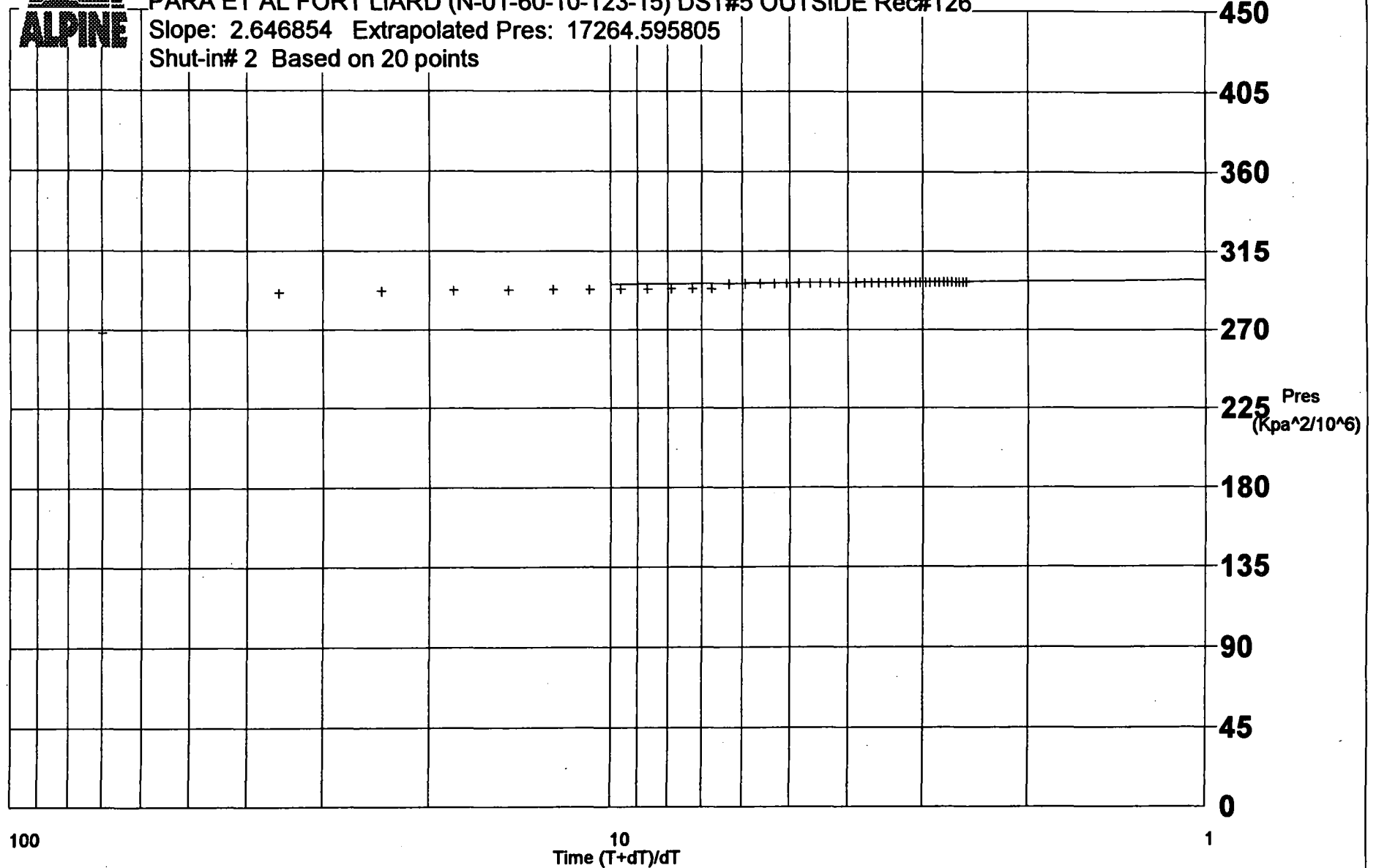
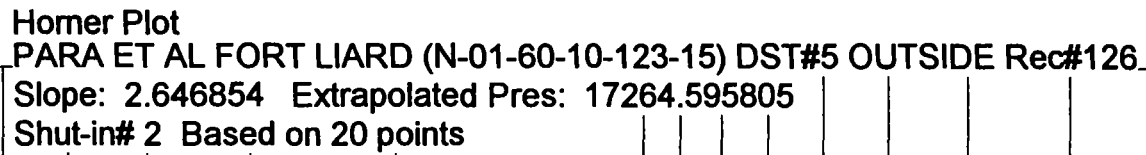
Homer Plot

PARA ET AL FORT LIARD (N-01-60-10-123-15) DST#5 OUTSIDE Rec#126

Slope: 5.529432 Extrapolated Pres: 17331.596543

Shut-in# 1 Based on 10 points

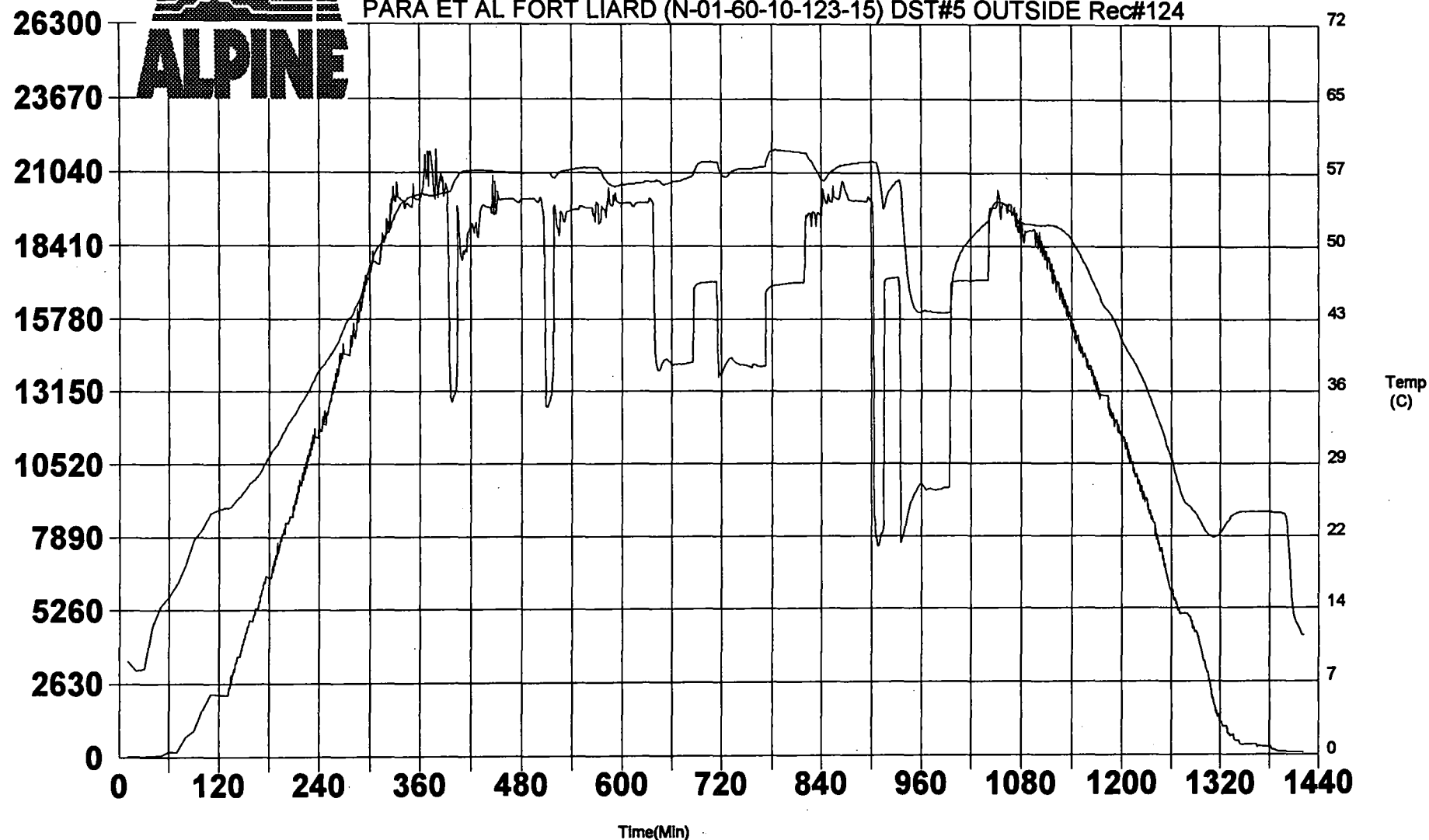






Time/Pressure Plot

PARA ET AL FORT LIARD (N-01-60-10-123-15) DST#5 OUTSIDE Rec#124



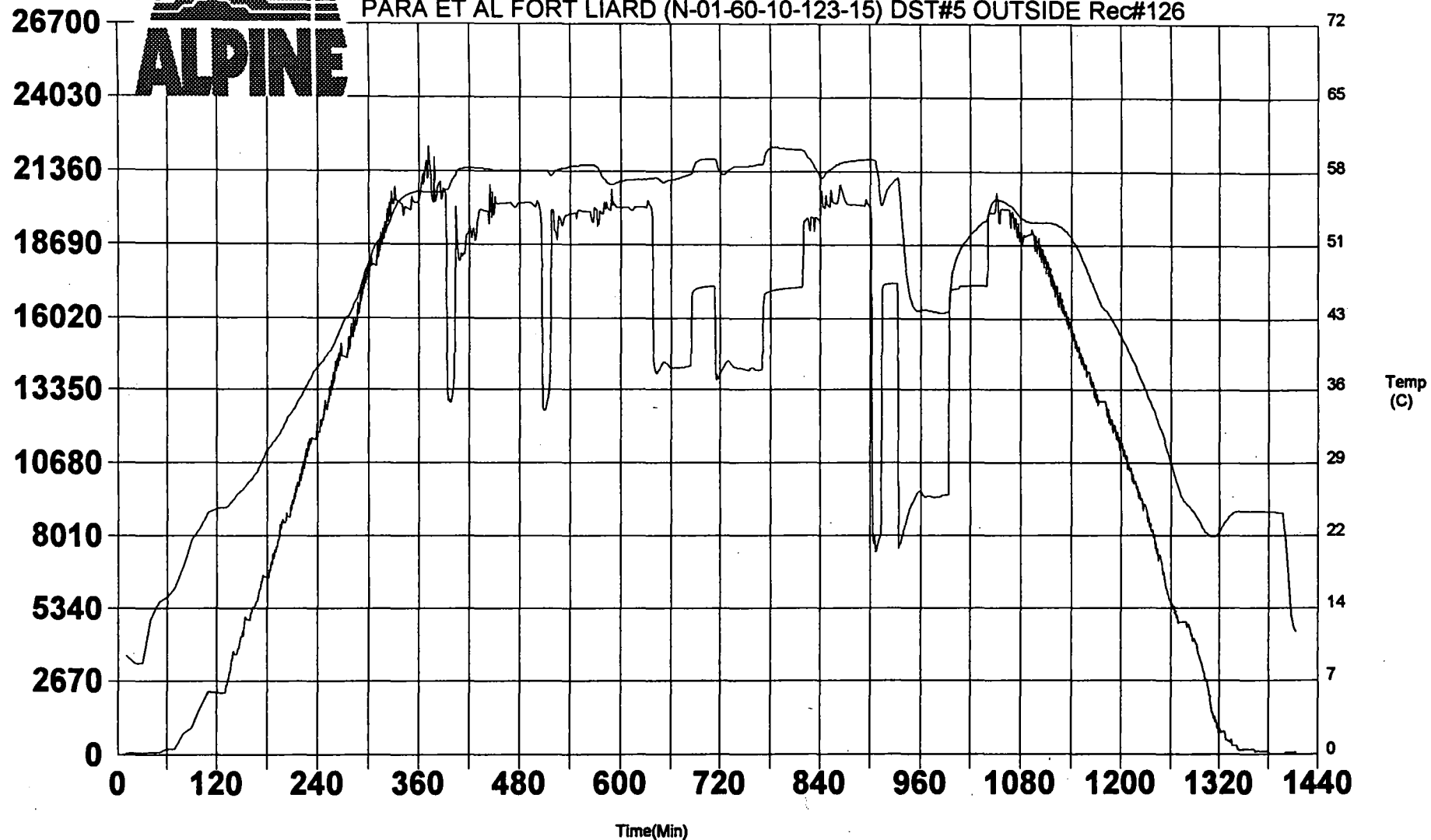
A Initial Hydrostatic - 20051
B Start of 1st Flow - 7858
C End of 1st Flow - 8171
D End of 1st Shutin - 17272
E Start of 2nd Flow - 7630

F End of 2nd Flow - 9658
G End of 2nd Shutin - 17197
Q Final Hydrostatic - 19920



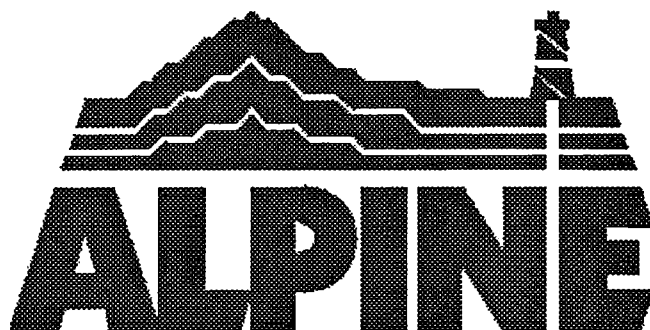
Time/Pressure Plot

PARA ET AL FORT LIARD (N-01-60-10-123-15) DST#5 OUTSIDE Rec#126



A Initial Hydrostatic - 20173
B Start of 1st Flow - 8205
C End of 1st Flow - 8060
D End of 1st Shutin - 17303
E Start of 2nd Flow - 7528

F End of 2nd Flow - 9513
G End of 2nd Shutin - 17233
Q Final Hydrostatic - 19864



Real Time Test Report

Prepared for: **PARAMOUNT RESOURCES**
4700, 888 - 3rd Street S.W.
CALGARY, AB

Well Name: PARA ET AL FORT LIARD
Location: N-01-60-10-123-15

Test Date: 01/10/2001

Job Ticket #: T5161-5 DST#: 5



Real Time Testing Report

Company: PARAMOUNT RESOURCES LTD.
4700, 888 - 3rd Street S.W.
CALGARY, AB

Job Ticket #: T5161-5 DST#: 5
Test Date: 01/10/2001 1200hrs

Well Name: PARA ET AL FORT LIARD
Location: N-01-60-10-123-15

Contact: WILBERT CALLIHOO

General Information:

Test Type: INFLATE RESET
Interval: 1738m -1759m
Formation: 1ST MID. BELLY RIVER
KB Elevation: 492.10m
Ground Elevation: 487.00m
Total Depth: 1940.00m
Test Mode: Gas

Tester: B. HOLLINGSHEAD
Truck No.: Unit 114
Contractor: PRECISION
Rig No.: 387
Hole Diameter: 222mm
Hole Condition: GOOD
Bottom Hole Temperature: 44.00 C

Telemetry Recorder Information:

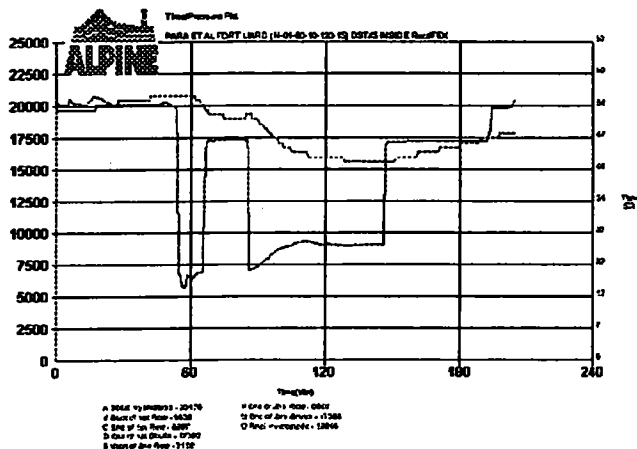
INSIDE

Recorder #: FEK Depth: 1727.45 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	20169.6
B Start of 1st Flow	0.00	5825.9
C End of 1st Flow	8.58	6906.7
D End of 1st Shutin	19.68	17391.6
E Start of 2nd Flow	0.00	7118.9
F End of 2nd Flow	60.06	9050.4
G End of 2nd Shutin	43.92	17288.4
Q Final Hydrostatic	0.00	19848.1

Test Run Information:

Start Time: 1200hrs
Reached Test Depth: 200hrs
Pull Out Time: 430hrs
Tool Out Of Hole: 1000hrs
Water Loss: 6.20cm³
Mud Drop: NO
VIS: 76.00S/L
Filter Cake: 1.60mm
Pump Time: 30min
Reversed Out: NO
Mud Type: GEL CHEMICAL
Mud Weight: 1160.00kg/m³
Amount of fill: 0.00m
Amount of cushion: 0.00
Type of cushion:



General Remarks:

This is the third of three tests run on the same trip in the hole. Mechanically successful. *Test results suggest excellent permeability within the zone tested.

PREFLOW: Gas to surface immediately with a 6 meter flare. No rates taken for preflow.

FINAL FLOW: Gas to surface immediately, misting mud throughout.

***See gas volume charts for gas rates.

Recovery Description:

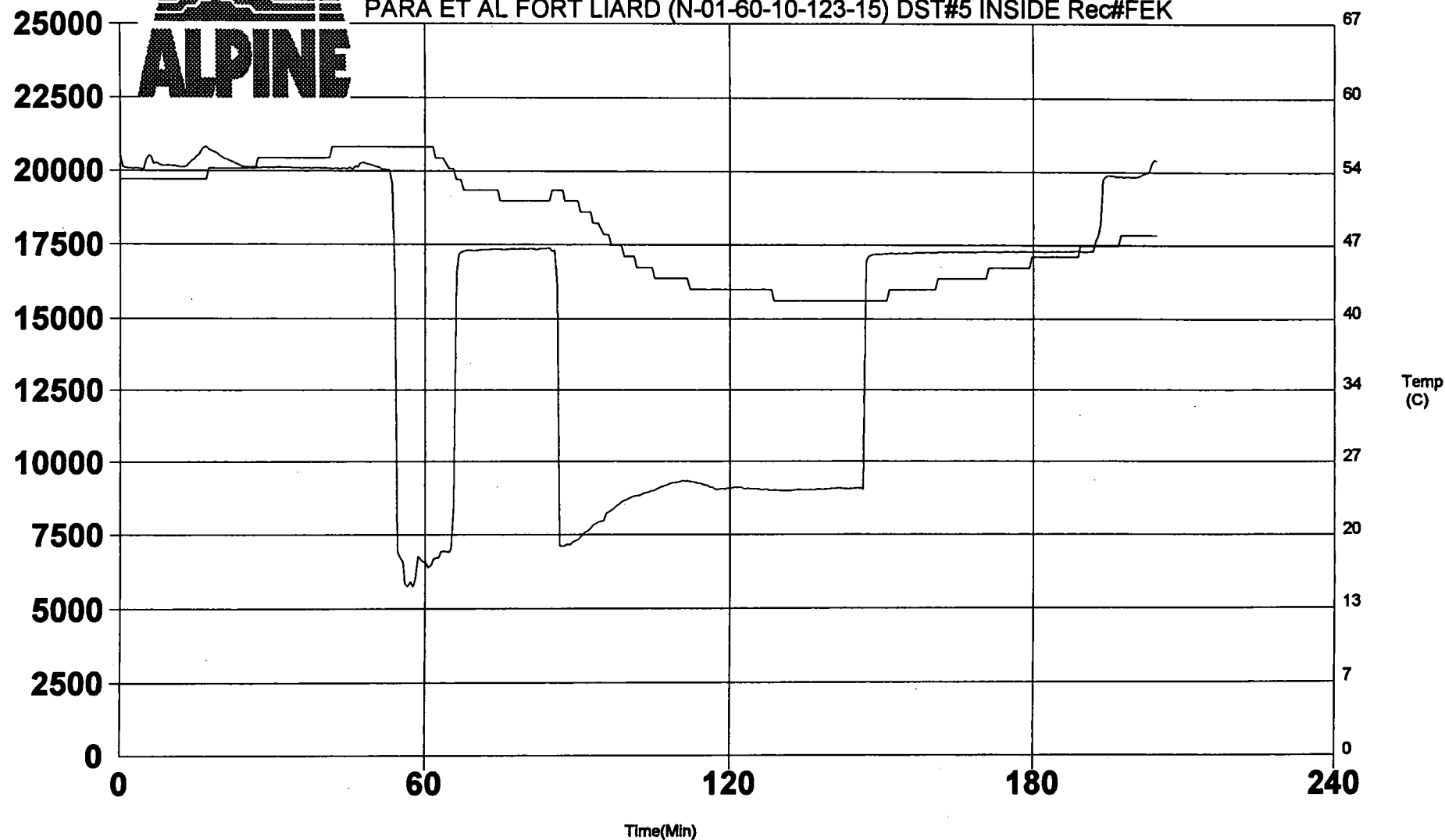
Total fluid recovery for DST #3 through #5 was 55 meters, consisting of 25 meters condensate and 30 meters fresh water.

Gas to surface.



Time/Pressure Plot

PARA ET AL FORT LIARD (N-01-60-10-123-15) DST#5 INSIDE Rec#FEK



A Initial Hydrostatic - 20170
B Start of 1st Flow - 5826
C End of 1st Flow - 6907
D End of 1st Shutin - 17392
E Start of 2nd Flow - 7119

F End of 2nd Flow - 9050
G End of 2nd Shutin - 17288
Q Final Hydrostatic - 19848