ALPINE

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: **01/07/2001**

Job Ticket #: **D2-9623** DST#: **2**

Drill Stem Testing Report

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

Contact: WILBERT CALLIHOO

Job Ticket #: D2-9623 DST#: 2
Test Date: 01/07/2001 2130hrs

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

General Information:

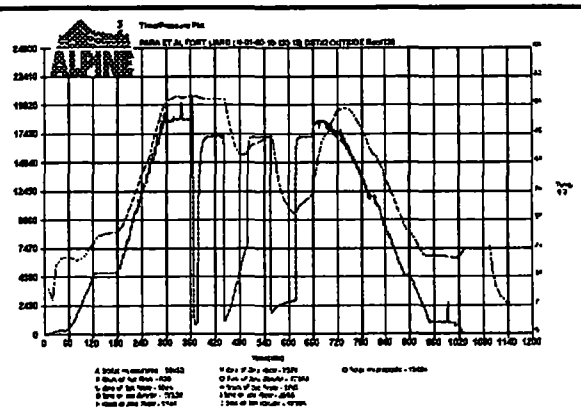
Test Type: **INFLATE STRADDLE**
Interval: **1643.00m - 1648.00m**
Formation: **MATTSON**
KB Elevation: **492.10m**
Ground Elevation: **487.00m**
Total Depth: **1940.00m**
Test Mode: **Gas**

Tester: **D. ROSS**
Truck No.: **Unit 677**
Contractor: **PRECISION**
Rig No.: **387**
Hole Diameter: **222mm**
Hole Condition: **GOOD**
Bottom Hole Temperature: **32.50 C**

Electronic Recorder Information:

OUTSIDE		FLUID	
Recorder #:	126	Recorder #:	063
Range:	35000 kPa	Range:	70000 kPa
Depth:	1645.92 m	Depth:	1621.87 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	18681.9
B Start of 1st Flow	0.00	849.5
C End of 1st Flow	7.00	1063.7
D End of 1st Shutin	57.00	17220.1
E Start of 2nd Flow	0.00	1141.2
F End of 2nd Flow	55.00	7674.9
G End of 2nd Shutin	48.00	17168.0
H Start of 3rd Flow	0.00	1787.1
I End of 3rd Flow	60.00	2967.6
J End of 3rd Shutin	42.00	17194.6
Q Final Hydrostatic	0.00	18485.2



Test Run Information:

Start Time: **2130hrs**
Reached Test Depth: **200hrs**
Pull Out Time: **800hrs**
Tool Out Of Hole: **1530hrs**

Weight set on Packers: **8000.00daN**
Weight to free Packers: **8000.00daN**
Initial String Weight: **40000.00daN**
Unseated String Weight: **42000.00daN**

Tool Chased Dist: **0.00m**
Mud Type: **GEL CHEMICAL**
Mud Weight: **1110.00kg/m³**
Amount of fill: **0.00m**
Amt of cushion: **0.00**
Type of cushion:

Water Loss: **6.50cm³**
Mud Drop: **NO**
VIS: **74.00S/L**
Filter Cake: **1.60mm**
Pump Time: **25min**
Reversed Out: **YES**

General Remarks:

Mechanically successful. *Test results suggest high permeability within the zone tested.

PREFLOW: Strong air blow throughout. Gas to surface in 4 minutes, 3 meter flare. No rates taken for preflow.

SECOND FLOW: Gas to surface immediately.

FINAL FLOW: Gas to surface immediately.

***See gas volume charts for gas rates.**

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

Recovery Description:

Total fluid recovery reversed out was 75 meters, consisting of 70 meters drilling mud and 5 meters condensate cut mud.

Gas to surface.

Gas Bomb: **2** Sampler: **1**
Fluid Sample: **5** Sent to: **AGAT LAB**

Drill Stem Testing - Tool Diagram / Description

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

Contact: WILBERT CALLIHOO

Job Ticket #: D2-9623 DST#: 2
Test Date: 01/07/2001 2130hrs

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

Inflate Straddle

Drill Collar Stands:	3
Drill Collar Singles:	0
Drill Pipe Stands:	63
Drill Pipe Singles:	0
Heavy Wt. Pipe Stands:	20
Heavy Wt. Pipe Singles:	0
Total Drill Collars/Pipe and Tools:	1649.83m
Total Drill Pipe Above K.B.:	6.83m
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:	1199.67	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:

NOTE -

Electronic Rec. #070 malfunctioned, no pressure data is available.

Total Depth: 1940.00m

Item	Length
P.O. Sub	0.31
C.O. Sub	0.30
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	1.78
Stub	0.72
ASE Carrier	2.20
REC#124	
REC#126	
Bypass Hanger	0.42
Blank Spacing	0.30
Bypass Receiver	0.78
Stub	0.72
Packer	1.78
Extension Sub	0.71
Drag Spring	2.08

Drill Stem Testing - Gas Recovery Measurements

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Job Ticket #: D2-9623 DST#: 2
Test Date: 01/07/2001 2130hrs

Well Name: PARA ET AL FORT LIARD
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 (m³/d)
10	6.35	650	4572.00
20	6.35	1300	8570.00
30	6.35	2800	17702.00
40	6.35	3700	23215.00
50	6.35	5100	31758.00
55	6.35	6200	38449.00

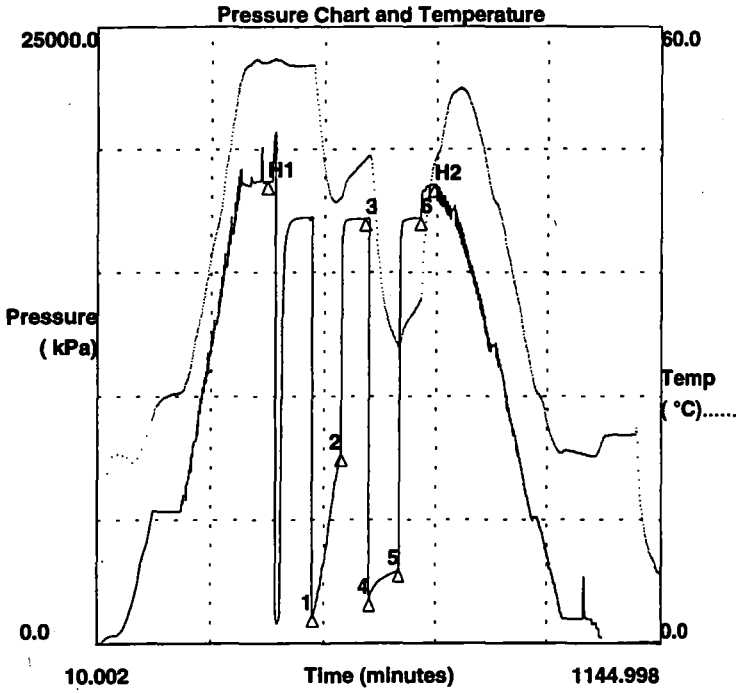
Gas Measurements for Flow # 3

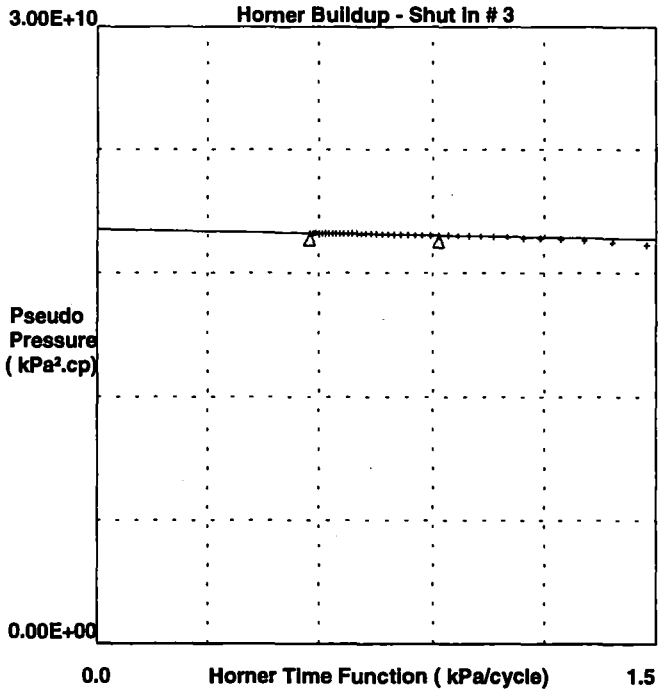
Gas Recovery Measured With: Willis Choke

Time (min.)	Orifice (mm)	Pressure(kPa)	Rate (m³/d)
10	12.70	1000	28567.00
20	12.70	1100	31072.00
30	12.70	1200	33756.00
40	12.70	1200	33756.00
50	12.70	1200	33756.00
60	12.70	1200	33756.00

Well: PARA ET AL FORT LIARD DST #2 Formation: MATTSON (1643-1648 m)

General Summary





Event Summary:	Time (min)	Durations (min)	Pressure (kPa)
1. Start Initial Flow	442.00		1143.53
2. Start Initial Shut In	498.00	56.00	7674.86
3. End Initial Shut In	546.00	48.00	17168.03
4. Start Main Flow	556.00		1787.06
5. Start Main Shut In	616.00	60.00	2967.63
6. End Main Shut In	658.00	42.00	17194.65
H1 Hydrostatic Initial	350.00		18690.04
H2 Hydrostatic Final	685.00		18549.99

RESULTS: Shut-in # 3

Perm-Thickness	47.204 md.m
Permeability	15.735 md
Form. Pressure	17283.3 kPa
Skin	63.1
AOF	34.8 $10^3 m^3$/day
Damage Ratio	8.4
Distance	23.4 m
Flowrate (GAS)	33.8 $10^3 m^3$/day

GAS and Formation Properties

Viscosity	0.016 cp
Volume Factor 1/Bg	0.006
Compressibility	3.94E-05 1/kPa
Porosity	0.1
Water Saturation	0.26
Thickness	3.0 m

Depletion Summary: Shut-in 2 vs 3

Pressure Drop= -89.32 kPa
Percent Drop (Extrap.)= -0.5 %
Percent Drop (Raw)= -0.2 %

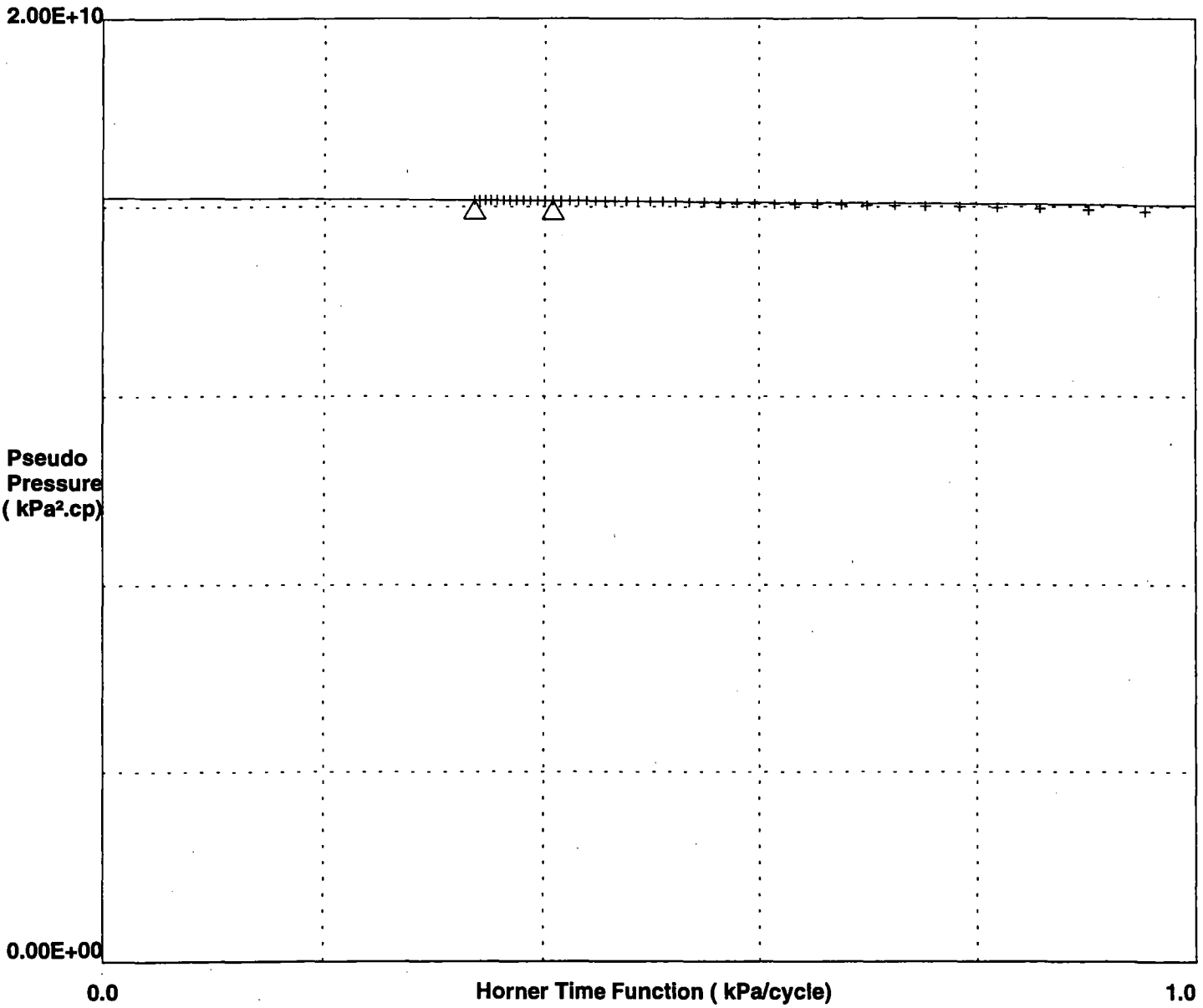
RESULTS: Shut-in # 2

Perm-Thickness	107.611 md.m
Permeability	35.87 md
Form. Pressure	17194.0 kPa
Skin	105.5
AOF	48.0 $10^3 m^3$/day
Damage Ratio	12.88
Distance	26.2 m
Flowrate (GAS)	38.4 $10^3 m^3$/day

General Remarks

Well: PARA ET AL FORT LIARD DST #2 Formation: MATTSON (1643-1648 m)

Horner Plot Shut-in # 2



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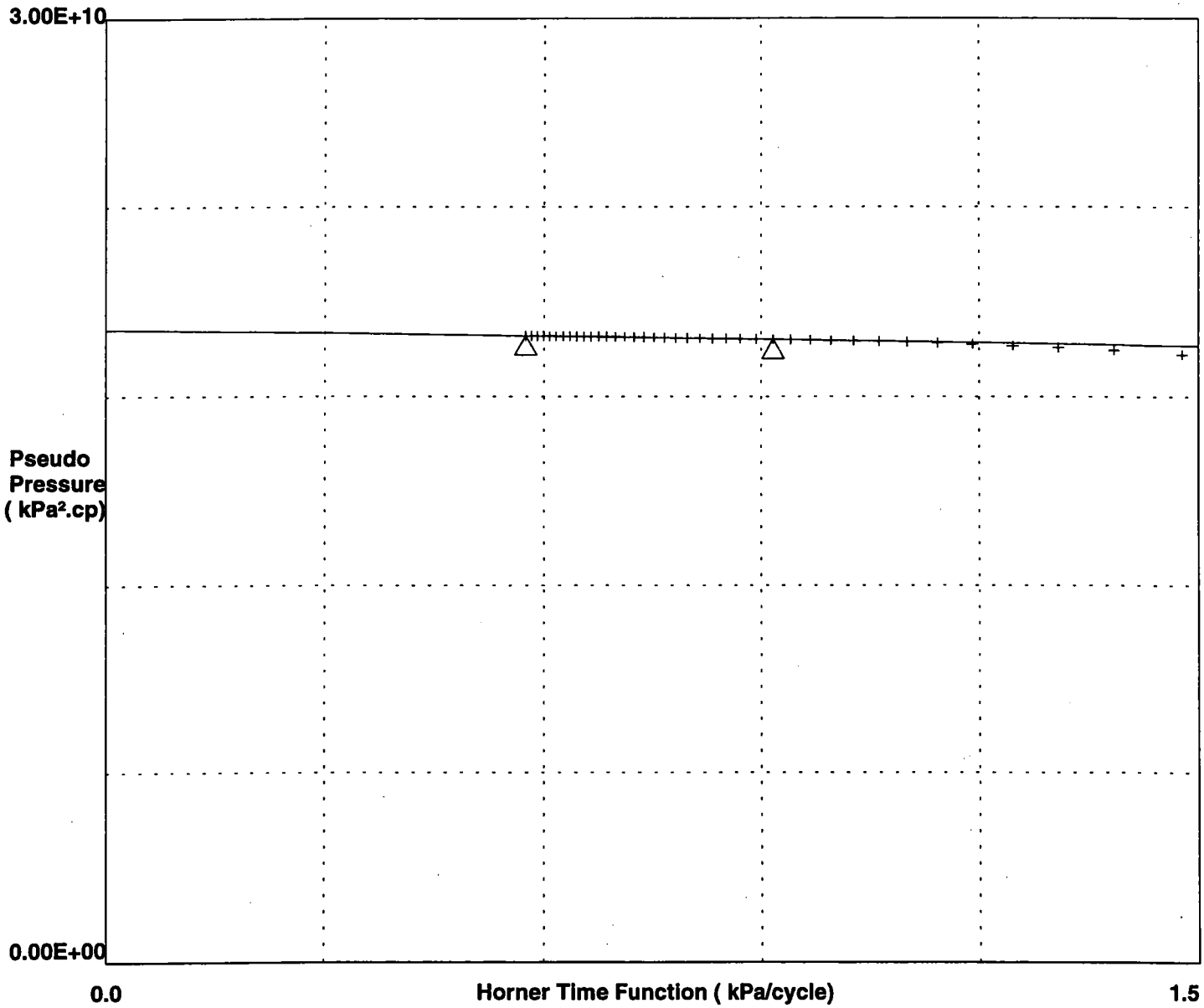
Well: PARA ET AL FORT LIARD DST #2 Formation: MATTSON (1643-1648 m)

Horner Plot Shut-in # 3



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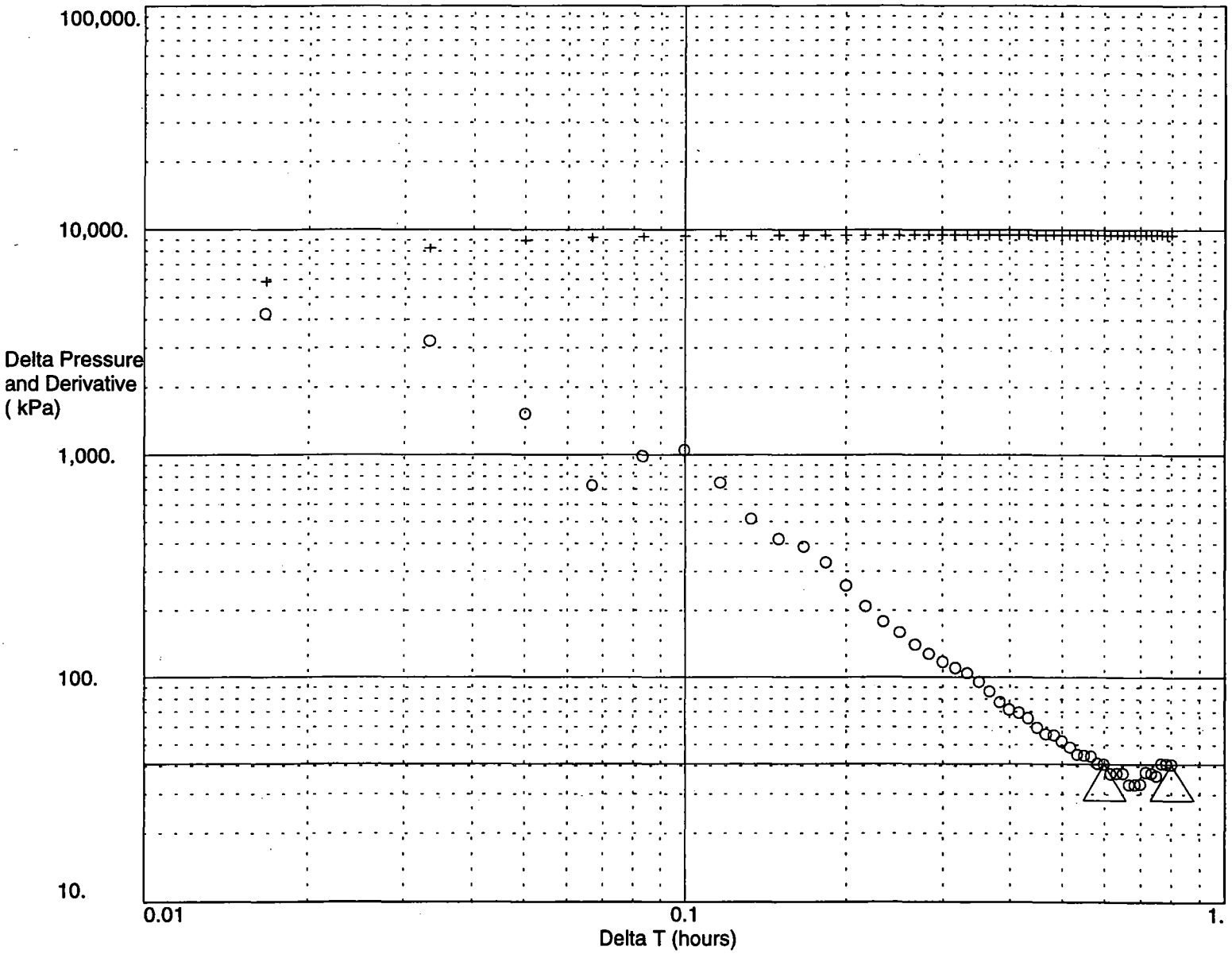
Well: PARA ET AL FORT LIARD DST #2 Formation: MATTSON (1643-1648 m)

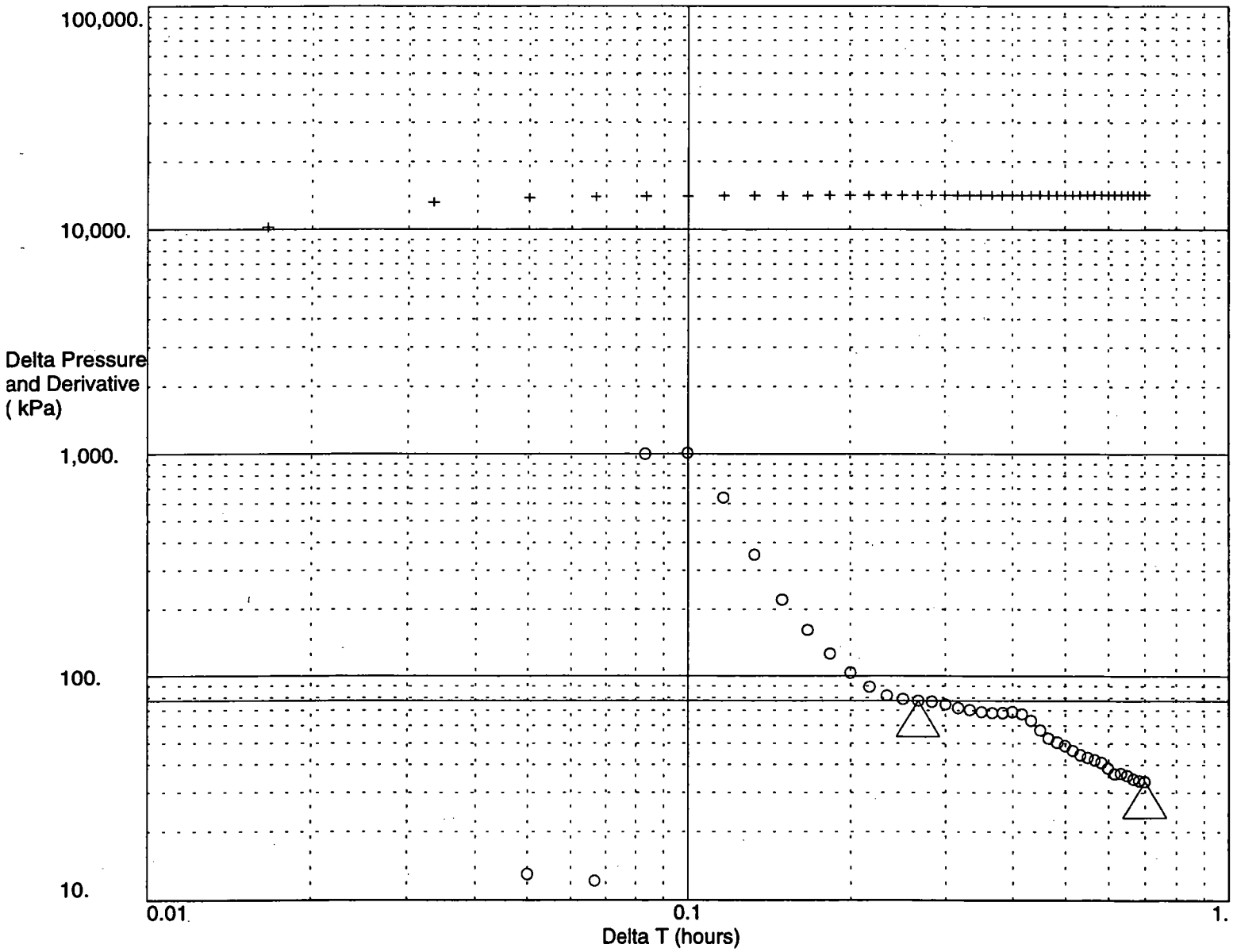
Delta P vs Delta T and Derivative Shut-in # 2



Identified Regime	From Delta T (hr)	To Delta T (hr);	Actual Slope	Ideal Slope
Infinite Acting	.60	.80	0.240	0.00

Well: PARA ET AL FORT LIARD DST #2 Formation: MATTSON (1643-1648 m)

Delta P vs Delta T and Derivative Shut-in # 3



Identified Regime	From Delta T (hr)	To Delta T (hr);	Actual Slope	Ideal Slope
Infinite Acting————	.27	.70	-0.990	0.00

Drill Stem Testing - Time / Pressure Listing

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Test Date: 01/07/2001 2130hrs

Well Name: PARA ET AL FORT LIARD

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

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
A	Initial Hydrostatic	0.00	0.00	18681.90		56.8
B	Start of 1st Flow	0.00	0.00	849.50		56.8
		1.00	-87.90	761.60		56.8
		2.00	-37.00	812.50		56.8
		3.00	0.00	849.50		56.8
		4.00	60.20	909.70		56.8
		5.00	106.50	956.00		56.8
		6.00	196.80	1046.30		56.8
C	End of 1st Flow	7.00	214.20	1063.70		56.7
		1.00	2685.20	3748.90	8.0000	56.7
		2.00	7752.40	8816.10	4.5000	56.6
		3.00	10283.70	11347.40	3.3333	56.6
		4.00	11858.90	12922.60	2.7500	56.6
		5.00	12933.00	13996.70	2.4000	56.5
		6.00	13681.80	14745.50	2.1667	56.5
		7.00	14229.30	15293.00	2.0000	56.4
		8.00	14635.60	15699.30	1.8750	56.4
		9.00	14940.00	16003.70	1.7778	56.4
		10.00	15171.40	16235.10	1.7000	56.4
		11.00	15353.20	16416.90	1.6364	56.4
		12.00	15496.70	16560.40	1.5833	56.4
		13.00	15610.10	16673.80	1.5385	56.3
		14.00	15700.40	16764.10	1.5000	56.3
		15.00	15773.30	16837.00	1.4667	56.3
		16.00	15833.50	16897.20	1.4375	56.3
		17.00	15882.10	16945.80	1.4118	56.3
		18.00	15921.50	16985.20	1.3889	56.3
		19.00	15953.90	17017.60	1.3684	56.3
		20.00	15981.60	17045.30	1.3500	56.3
		21.00	16004.80	17068.50	1.3333	56.3
		22.00	16024.50	17088.20	1.3182	56.3
		23.00	16039.50	17103.20	1.3043	56.3
		24.00	16054.60	17118.30	1.2917	56.2
		25.00	16066.10	17129.80	1.2800	56.3
		26.00	16076.50	17140.20	1.2692	56.2
		27.00	16084.60	17148.30	1.2593	56.2
		28.00	16092.80	17156.50	1.2500	56.2
		29.00	16099.70	17163.40	1.2414	56.2
		30.00	16105.50	17169.20	1.2333	56.2
		31.00	16111.30	17175.00	1.2258	56.2
		32.00	16115.90	17179.60	1.2188	56.2
		33.00	16119.40	17183.10	1.2121	56.2
		34.00	16122.80	17186.50	1.2059	56.2
		35.00	16126.30	17190.00	1.2000	56.2
		36.00	16129.80	17193.50	1.1944	56.2
		37.00	16132.10	17195.80	1.1892	56.2
		38.00	16134.40	17198.10	1.1842	56.2
		39.00	16136.70	17200.40	1.1795	56.2
		40.00	16139.00	17202.70	1.1750	56.2
		41.00	16140.20	17203.90	1.1707	56.2
		42.00	16142.50	17206.20	1.1667	56.2
		43.00	16143.70	17207.40	1.1628	56.2
		44.00	16144.80	17208.50	1.1591	56.2
		45.00	16146.00	17209.70	1.1556	56.2
		46.00	16147.20	17210.90	1.1522	56.2
		47.00	16148.30	17212.00	1.1489	56.2
		48.00	16149.50	17213.20	1.1458	56.2
		49.00	16150.60	17214.30	1.1429	56.2
		50.00	16151.80	17215.50	1.1400	56.2
		51.00	16151.80	17215.50	1.1373	56.2
		52.00	16152.90	17216.60	1.1346	56.2
		53.00	16152.90	17216.60	1.1321	56.2
		54.00	16154.10	17217.80	1.1296	56.2
		55.00	16155.30	17219.00	1.1273	56.2
		56.00	16155.30	17219.00	1.1250	56.3
D	End of 1st Shutin	57.00	16156.40	17220.10	1.1228	56.3
E	Start of 2nd Flow	0.00	0.00	1141.20		55.9
		1.00	47.50	1188.70		55.5
		2.00	128.50	1269.70		55.0
		3.00	202.60	1343.80		54.5
		4.00	275.50	1416.70		53.9
		5.00	363.40	1504.60		53.4
		6.00	461.80	1603.00		52.9
		7.00	537.10	1678.30		52.4

Drill Stem Testing - Time / Pressure Listing

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Well Name: PARA ET AL FORT LIARD

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

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		8.00	626.20	1767.40		51.9
		9.00	735.00	1876.20		51.3
		10.00	854.20	1995.40		50.8
		11.00	968.80	2110.00		50.3
		12.00	1001.20	2142.40		49.8
		13.00	1125.00	2266.20		49.3
		14.00	1251.20	2392.40		48.8
		15.00	1372.70	2513.90		48.4
		16.00	1505.80	2647.00		48.0
		17.00	1632.00	2773.20		47.6
		18.00	1763.90	2905.10		47.2
		19.00	1897.00	3038.20		46.9
		20.00	2030.10	3171.30		46.5
		21.00	2162.10	3303.30		46.2
		22.00	2295.20	3436.40		45.9
		23.00	2428.30	3569.50		45.6
		24.00	2561.40	3702.60		45.3
		25.00	2698.00	3839.20		45.0
		26.00	2831.10	3972.30		44.7
		27.00	2960.70	4101.90		44.5
		28.00	3099.60	4240.80		44.3
		29.00	3242.00	4383.20		44.1
		30.00	3387.80	4529.00		43.9
		31.00	3539.40	4680.60		43.7
		32.00	3682.90	4824.10		43.6
		33.00	3829.90	4971.10		43.4
		34.00	3967.70	5108.90		43.3
		35.00	4104.20	5245.40		43.2
		36.00	4244.30	5385.50		43.1
		37.00	4379.70	5520.90		43.1
		38.00	4523.20	5664.40		43.0
		39.00	4670.20	5811.40		43.0
		40.00	4813.70	5954.90		42.9
		41.00	4973.50	6114.70		42.9
		42.00	5122.80	6264.00		42.9
		43.00	5262.80	6404.00		42.9
		44.00	5373.90	6515.10		42.9
		45.00	5490.80	6632.00		42.9
		46.00	5608.90	6750.10		42.9
		47.00	5736.20	6877.40		43.0
		48.00	5862.40	7003.60		43.0
		49.00	5995.50	7136.70		43.1
		50.00	6126.20	7267.40		43.1
		51.00	6211.90	7353.10		43.2
		52.00	6299.90	7441.10		43.2
		53.00	6377.40	7518.60		43.3
		54.00	6457.30	7598.50		43.4
F	End of 2nd Flow	55.00	6533.70	7674.90		43.4
		1.00	5877.30	13552.20	63.0000	43.5
		2.00	8248.90	15923.80	32.0000	43.7
		3.00	8966.50	16641.40	21.6667	43.9
		4.00	9211.90	16886.80	16.5000	44.1
		5.00	9305.60	16980.50	13.4000	44.3
		6.00	9351.90	17026.80	11.3333	44.5
		7.00	9379.70	17054.60	9.8571	44.6
		8.00	9397.10	17072.00	8.7500	44.8
		9.00	9409.80	17084.70	7.8889	44.9
		10.00	9420.20	17095.10	7.2000	45.0
		11.00	9428.30	17103.20	6.6364	45.0
		12.00	9435.30	17110.20	6.1667	45.2
		13.00	9441.00	17115.90	5.7692	45.2
		14.00	9445.70	17120.60	5.4286	45.3
		15.00	9450.30	17125.20	5.1333	45.3
		16.00	9453.80	17128.70	4.8750	45.4
		17.00	9456.10	17131.00	4.6471	45.4
		18.00	9458.40	17133.30	4.4444	45.5
		19.00	9458.40	17133.30	4.2632	45.5
		20.00	9463.00	17137.90	4.1000	45.6
		21.00	9466.50	17141.40	3.9524	45.6
		22.00	9470.00	17144.90	3.8182	45.7
		23.00	9473.40	17148.30	3.6957	45.7
		24.00	9474.60	17149.50	3.5833	45.8
		25.00	9475.80	17150.70	3.4800	45.8
		26.00	9478.10	17153.00	3.3846	45.8

Drill Stem Testing - Time / Pressure Listing

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Well Name: PARA ET AL FORT LIARD

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

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		27.00	9479.20	17154.10	3.2963	45.9
		28.00	9480.40	17155.30	3.2143	45.9
		29.00	9481.60	17156.50	3.1379	46.0
		30.00	9482.70	17157.60	3.0667	46.1
		31.00	9483.90	17158.80	3.0000	46.1
		32.00	9485.00	17159.90	2.9375	46.2
		33.00	9485.00	17159.90	2.8788	46.2
		34.00	9486.20	17161.10	2.8235	46.3
		35.00	9487.30	17162.20	2.7714	46.3
		36.00	9487.30	17162.20	2.7222	46.4
		37.00	9488.50	17163.40	2.6757	46.4
		38.00	9488.50	17163.40	2.6316	46.5
		39.00	9489.70	17164.60	2.5897	46.5
		40.00	9489.70	17164.60	2.5500	46.6
		41.00	9490.80	17165.70	2.5122	46.6
		42.00	9490.80	17165.70	2.4762	46.7
		43.00	9490.80	17165.70	2.4419	46.7
		44.00	9492.00	17166.90	2.4091	46.8
		45.00	9492.00	17166.90	2.3778	46.8
		46.00	9492.00	17166.90	2.3478	46.9
		47.00	9493.10	17168.00	2.3191	46.9
G	End of 2nd Shutin	48.00	9493.10	17168.00	2.2917	47.0
H	Start of 3rd Flow	0.00	0.00	1787.10		47.4
		1.00	62.50	1849.60		47.2
		2.00	128.40	1915.50		47.0
		3.00	177.00	1964.10		46.6
		4.00	228.00	2015.10		46.2
		5.00	278.90	2066.00		45.6
		6.00	320.60	2107.70		44.8
		7.00	370.30	2157.40		44.0
		8.00	403.90	2191.00		43.2
		9.00	435.10	2222.20		42.5
		10.00	460.60	2247.70		41.7
		11.00	498.80	2285.90		41.0
		12.00	523.10	2310.20		40.3
		13.00	562.50	2349.60		39.7
		14.00	586.80	2373.90		39.1
		15.00	613.40	2400.50		38.6
		16.00	643.50	2430.60		38.1
		17.00	662.00	2449.10		37.8
		18.00	679.40	2466.50		37.4
		19.00	695.60	2482.70		37.0
		20.00	711.80	2498.90		36.4
		21.00	728.00	2515.10		35.9
		22.00	750.00	2537.10		35.4
		23.00	758.10	2545.20		34.9
		24.00	772.00	2559.10		34.5
		25.00	785.80	2572.90		34.1
		26.00	797.40	2584.50		33.8
		27.00	818.30	2605.40		33.5
		28.00	818.30	2605.40		33.2
		29.00	837.90	2625.00		33.0
		30.00	841.40	2628.50		32.7
		31.00	854.10	2641.20		32.5
		32.00	876.10	2663.20		32.3
		33.00	881.90	2669.00		32.1
		34.00	890.00	2677.10		31.9
		35.00	901.60	2688.70		31.8
		36.00	913.20	2700.30		31.6
		37.00	925.90	2713.00		31.4
		38.00	938.60	2725.70		31.3
		39.00	946.70	2733.80		31.1
		40.00	964.10	2751.20		31.0
		41.00	974.50	2761.60		30.8
		42.00	969.90	2757.00		30.7
		43.00	988.40	2775.50		30.6
		44.00	994.20	2781.30		30.4
		45.00	1009.20	2796.30		30.3
		46.00	1012.70	2799.80		30.2
		47.00	1035.80	2822.90		30.1
		48.00	1040.50	2827.60		29.9
		49.00	1044.00	2831.10		29.8
		50.00	1053.20	2840.30		29.7
		51.00	1064.80	2851.90		29.6

Drill Stem Testing - Time / Pressure Listing

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

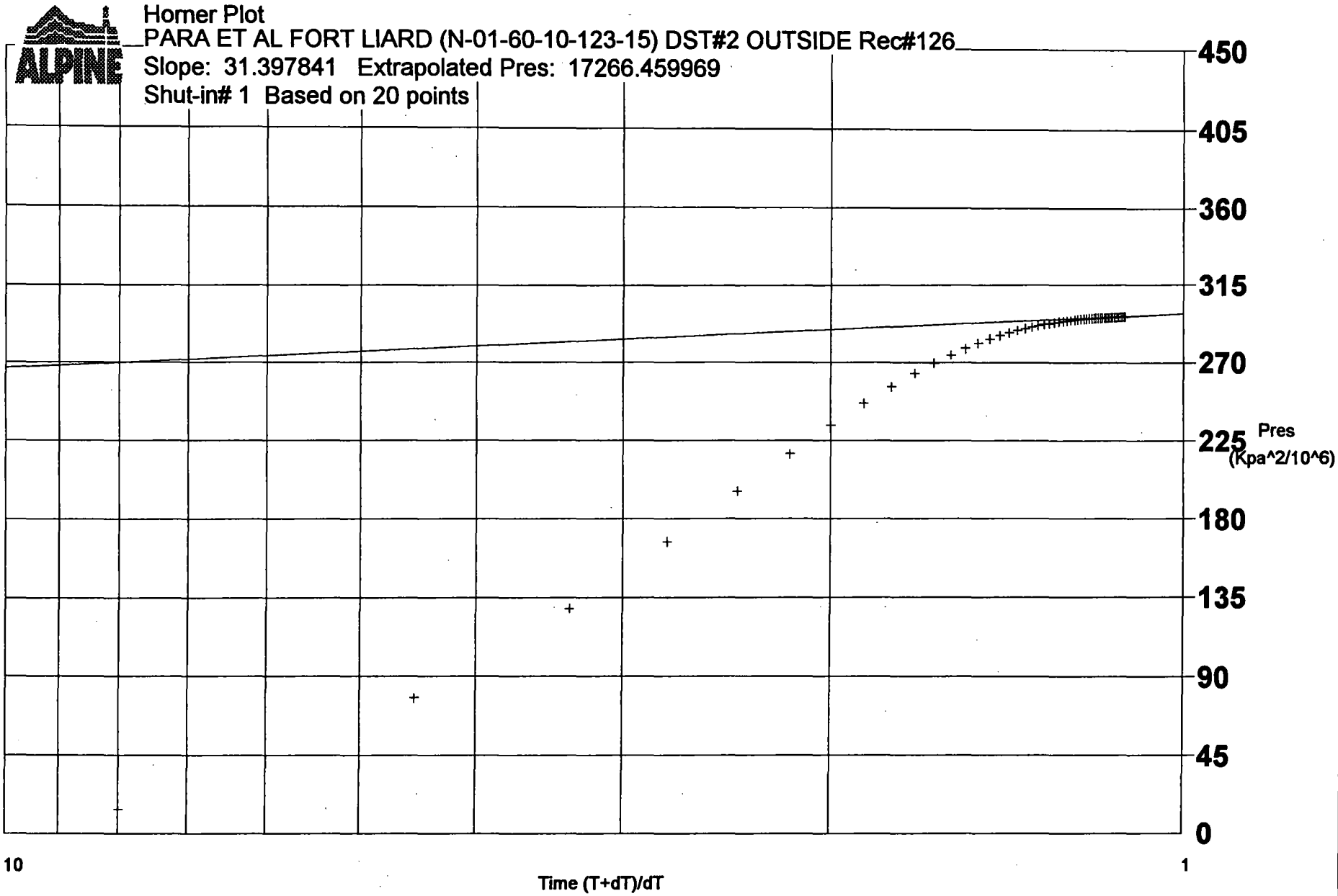
Contact: WILBERT CALLIHOO

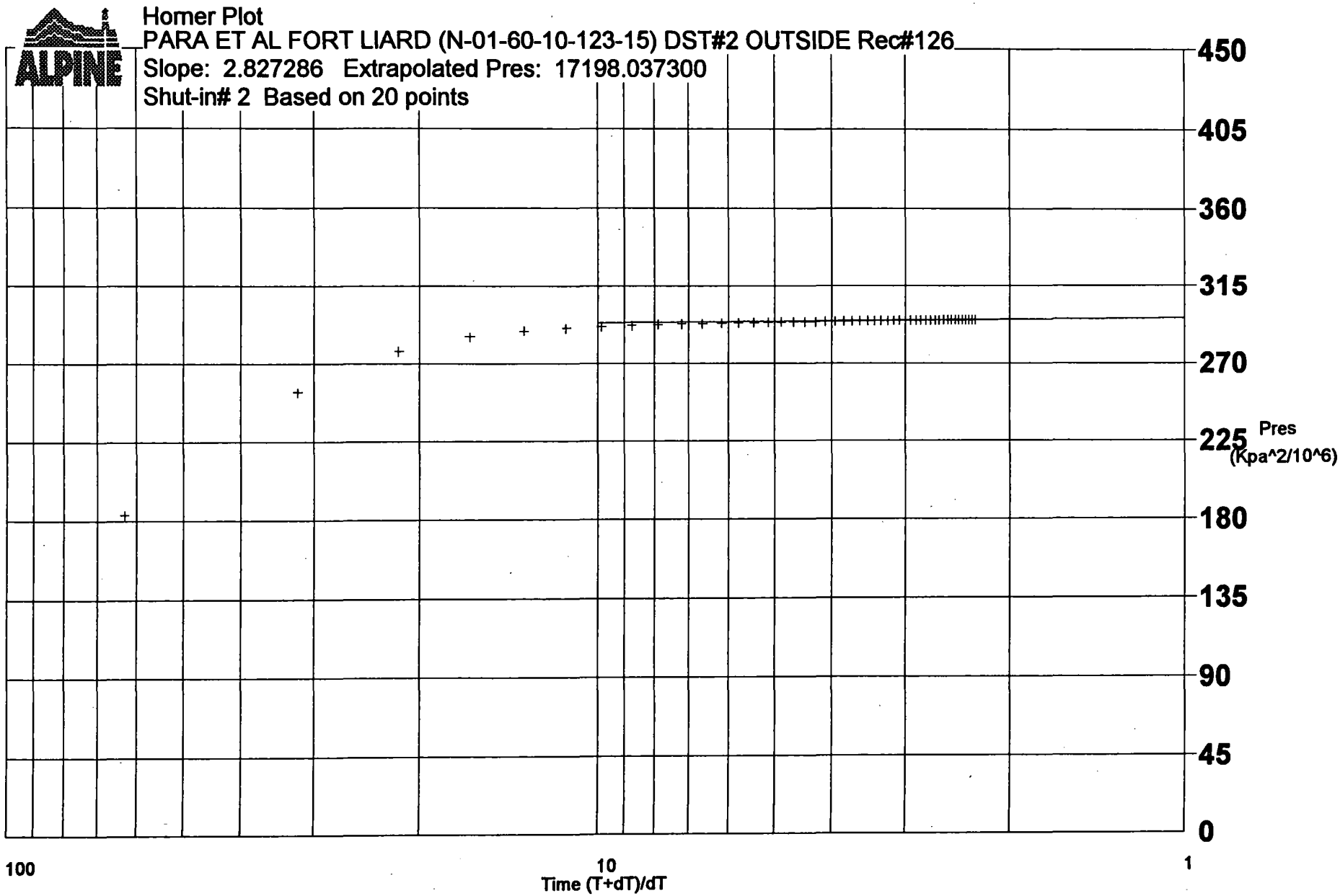
Job Ticket #: D2-9623 DST#: 2
Test Date: 01/07/2001 2130hrs

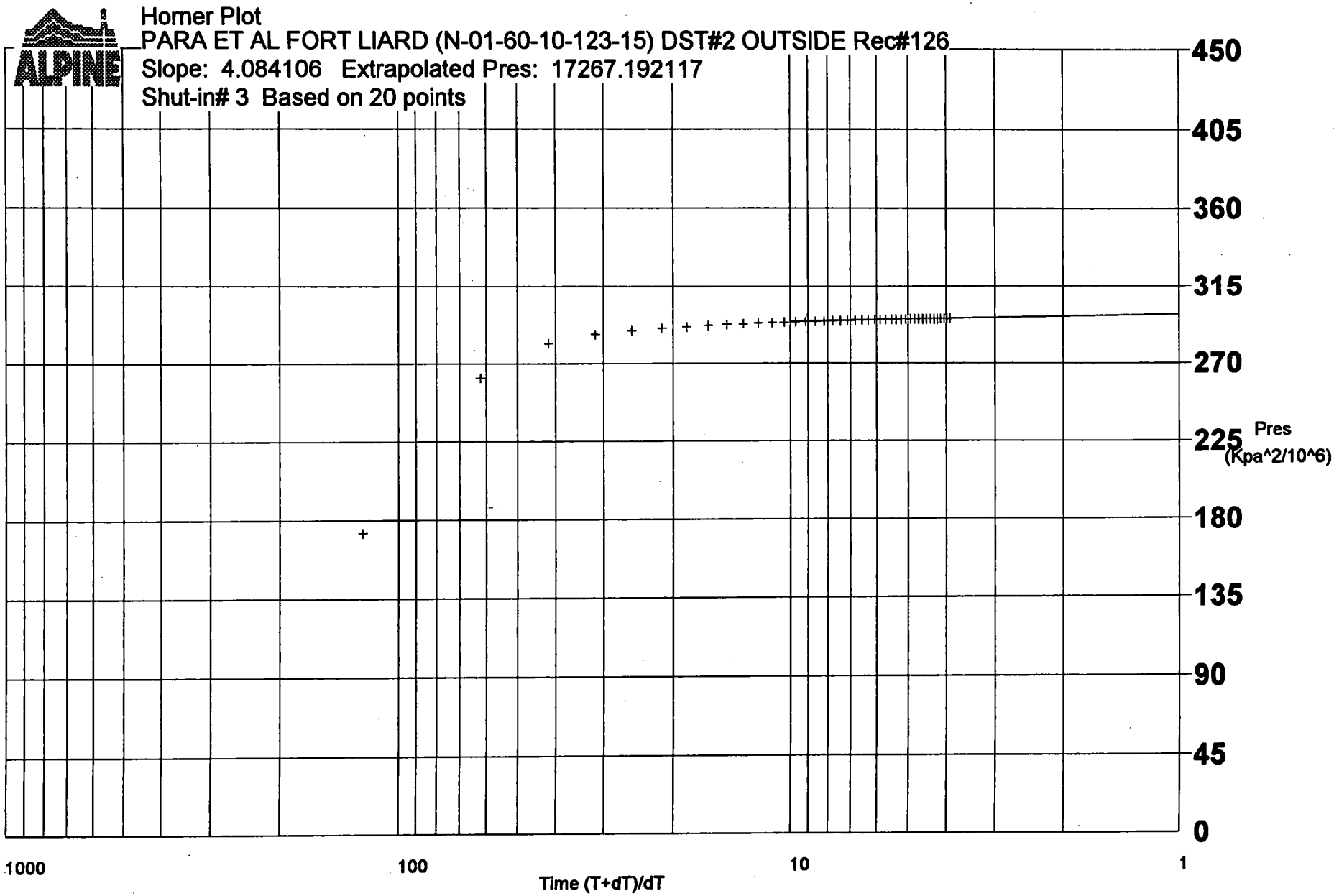
Well Name: PARA ET AL FORT LIARD

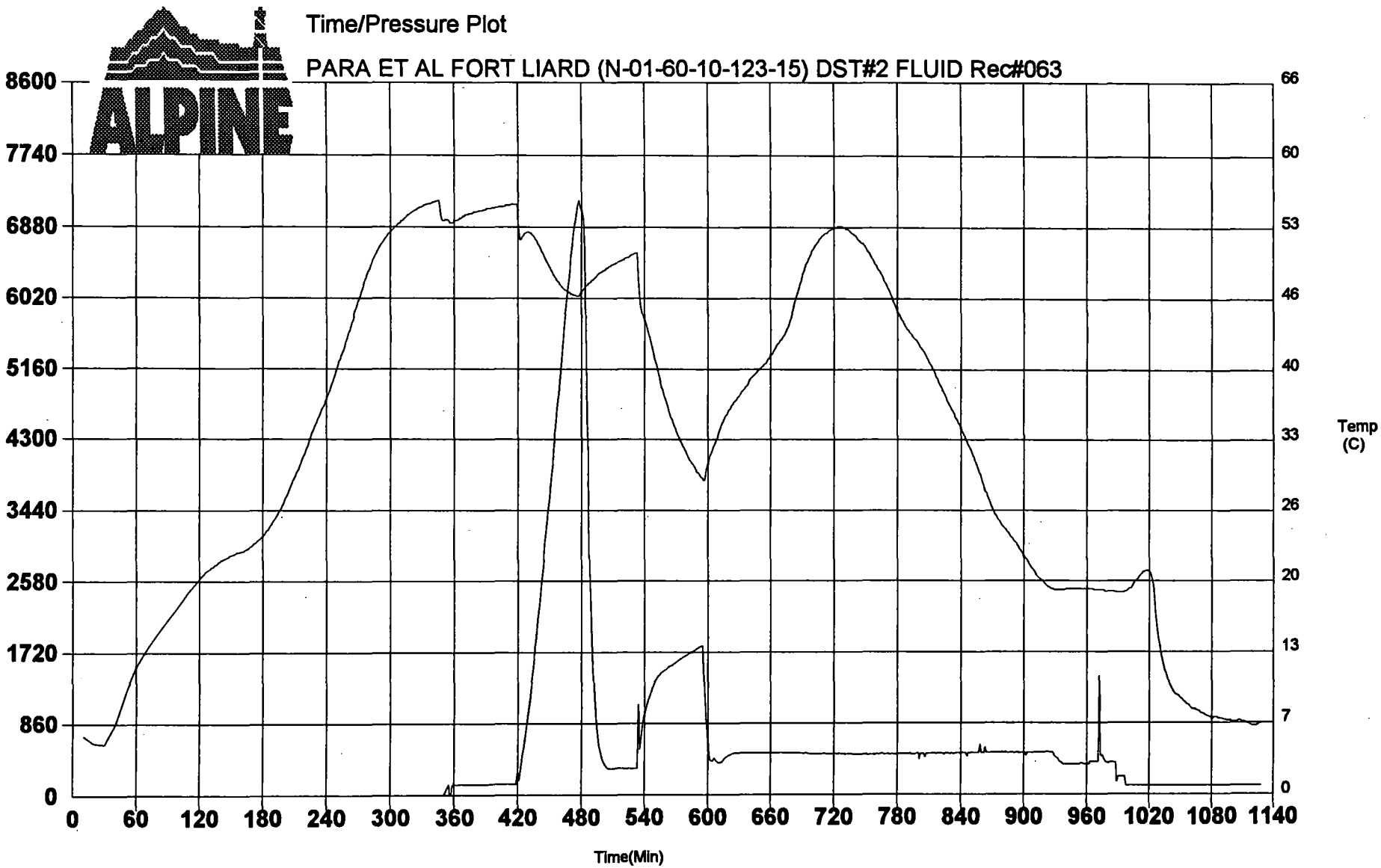
Location: N-01-60-10-123-15

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		52.00	1074.00	2861.10		29.5
		53.00	1072.90	2860.00		29.3
		54.00	1084.50	2871.60		29.2
		55.00	1098.40	2885.50		29.2
		56.00	1092.60	2879.70		29.1
		57.00	1108.80	2895.90		28.9
		58.00	1116.90	2904.00		28.8
		59.00	1174.70	2961.80		28.8
I	End of 3rd Flow	60.00	1180.50	2967.60		28.7
		1.00	10185.30	13152.90	123.0000	28.7
		2.00	13207.40	16175.00	62.0000	28.9
		3.00	13809.20	16776.80	41.6667	29.2
		4.00	13962.00	16929.60	31.5000	29.5
		5.00	14024.50	16992.10	25.4000	29.7
		6.00	14062.70	17030.30	21.3333	29.9
		7.00	14088.20	17055.80	18.4286	30.1
		8.00	14109.00	17076.60	16.2500	30.3
		9.00	14125.20	17092.80	14.5556	30.4
		10.00	14137.90	17105.50	13.2000	30.6
		11.00	14148.30	17115.90	12.0909	30.7
		12.00	14156.40	17124.00	11.1667	30.8
		13.00	14162.20	17129.80	10.3846	30.9
		14.00	14168.00	17135.60	9.7143	31.0
		15.00	14173.80	17141.40	9.1333	31.1
		16.00	14177.30	17144.90	8.6250	31.2
		17.00	14180.70	17148.30	8.1765	31.3
		18.00	14184.20	17151.80	7.7778	31.3
		19.00	14186.50	17154.10	7.4211	31.4
		20.00	14190.00	17157.60	7.1000	31.5
		21.00	14193.50	17161.10	6.8095	31.6
		22.00	14197.00	17164.60	6.5455	31.6
		23.00	14200.40	17168.00	6.3043	31.7
		24.00	14203.90	17171.50	6.0833	31.8
		25.00	14207.40	17175.00	5.8800	31.9
		26.00	14210.80	17178.40	5.6923	31.9
		27.00	14213.20	17180.80	5.5185	32.0
		28.00	14215.50	17183.10	5.3571	32.1
		29.00	14216.60	17184.20	5.2069	32.2
		30.00	14217.80	17185.40	5.0667	32.2
		31.00	14218.90	17186.50	4.9355	32.3
		32.00	14220.10	17187.70	4.8125	32.4
		33.00	14221.30	17188.90	4.6970	32.5
		34.00	14222.40	17190.00	4.5882	32.6
		35.00	14223.60	17191.20	4.4857	32.6
		36.00	14223.60	17191.20	4.3889	32.7
		37.00	14224.70	17192.30	4.2973	32.8
		38.00	14224.70	17192.30	4.2105	32.9
		39.00	14225.90	17193.50	4.1282	33.0
		40.00	14225.90	17193.50	4.0500	33.1
		41.00	14227.00	17194.60	3.9756	33.2
J	End of 3rd Shutin	42.00	14227.00	17194.60	3.9048	33.2
Q	Final Hydrostatic	0.00	0.00	18485.20		42.4

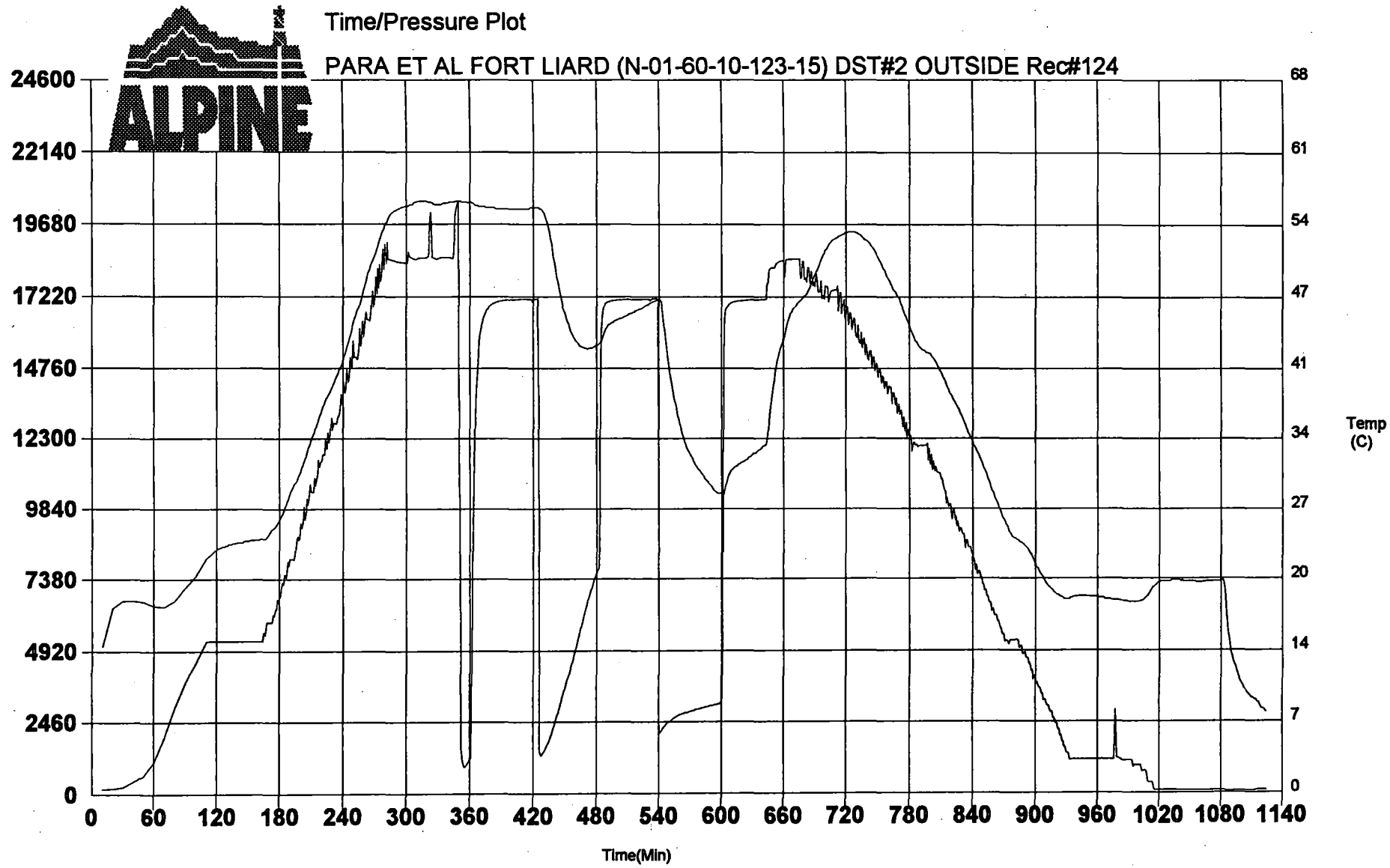

Homer Plot
PARA ET AL FORT LIARD (N-01-60-10-123-15) DST#2 OUTSIDE Rec#126
Slope: 31.397841 Extrapolated Pres: 17266.459969
Shut-in# 1 Based on 20 points
450
405
360
315
270
225
180
135
90
45
0
Pres
(Kpa^2/10^6)
10
1
Time (T+dT)/dT


Homer Plot
PARA ET AL FORT LIARD (N-01-60-10-123-15) DST#2 OUTSIDE Rec#126
Slope: 2.827286 Extrapolated Pres: 17198.037300
Shut-in# 2 Based on 20 points
450
405
360
315
270
225
180
135
90
45
0
Pres
(Kpa^2/10^6)
100
10
1
Time (T+dT)/dT

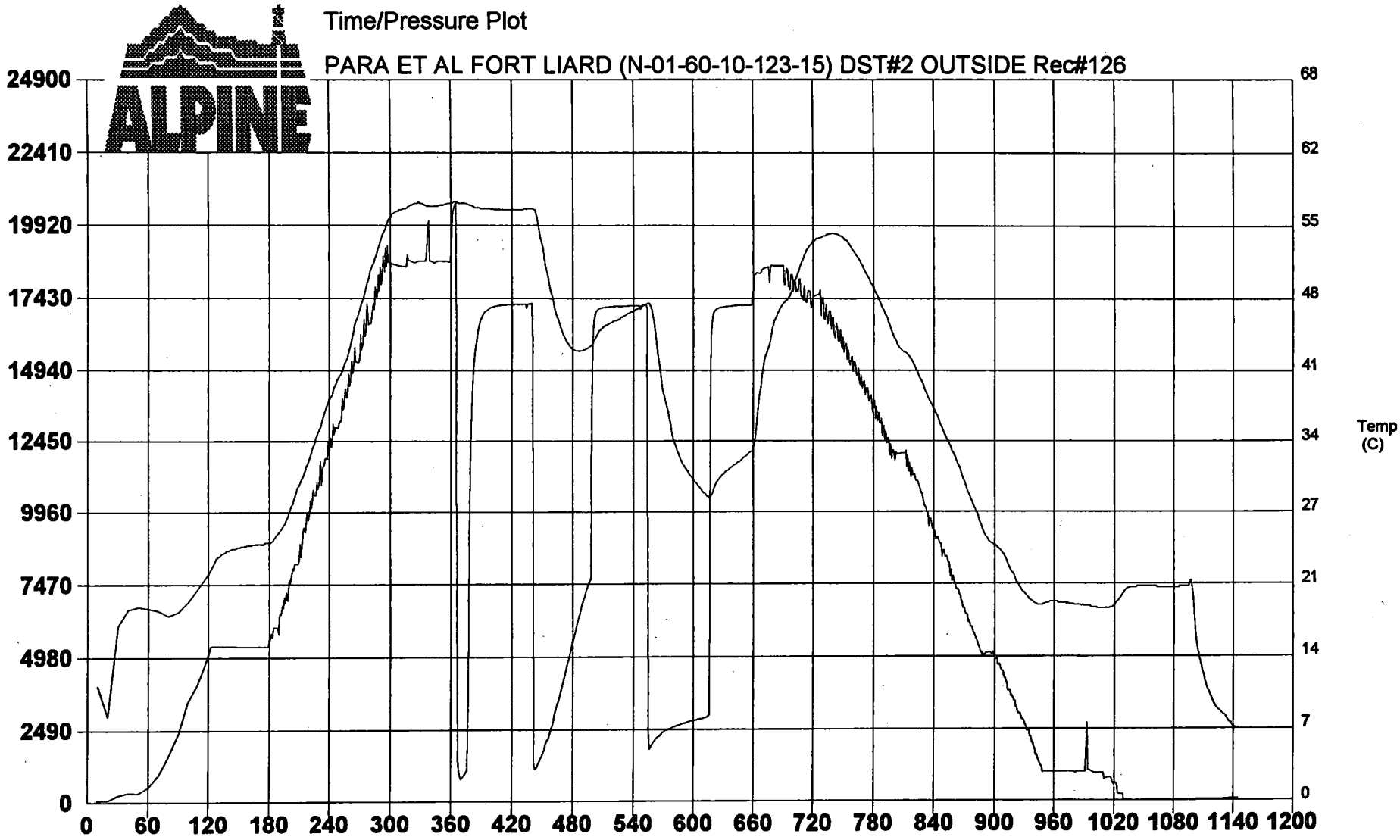

Horner Plot
PARA ET AL FORT LIARD (N-01-60-10-123-15) DST#2 OUTSIDE Rec#126
Slope: 4.084106 Extrapolated Pres: 17267.192117
Shut-in# 3 Based on 20 points
450
405
360
315
270
225
180
135
90
45
0
Pres
(Kpa^2/10^6)
1000
100
10
1
Time (T+dT)/dT



A Initial Hydrostatic - 0
B Start of 1st Flow - 0
C End of 1st Flow - 127
D End of 1st Shutin - 131
E Start of 2nd Flow - 181
F End of 2nd Flow - 7203
G End of 2nd Shutin - 317
H Start of 3rd Flow - 323
I End of 3rd Flow - 1798
J End of 3rd Shutin - 499
Q Final Hydrostatic - 497



A Initial Hydrostatic - 18545
B Start of 1st Flow - 1184
C End of 1st Flow - 1226
D End of 1st Shutin - 17125
E Start of 2nd Flow - 1294
F End of 2nd Flow - 7778
G End of 2nd Shutin - 17140
H Start of 3rd Flow - 2035
I End of 3rd Flow - 3125
J End of 3rd Shutin - 17118
Q Final Hydrostatic - 18341



A Initial Hydrostatic - 18682
B Start of 1st Flow - 850
C End of 1st Flow - 1064
D End of 1st Shutin - 17220
E Start of 2nd Flow - 1141
F End of 2nd Flow - 7675
G End of 2nd Shutin - 17168
H Start of 3rd Flow - 1787
I End of 3rd Flow - 2968
J End of 3rd Shutin - 17195
Q Final Hydrostatic - 18485

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: **01/07/2001**

Job Ticket #: **T5158-2** DST#: **2**

Real Time Testing Report

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

Contact: WILBERT CALLIHOO

Job Ticket #: T5158-2 DST#: 2
Test Date: 01/07/2001 2130hrs

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

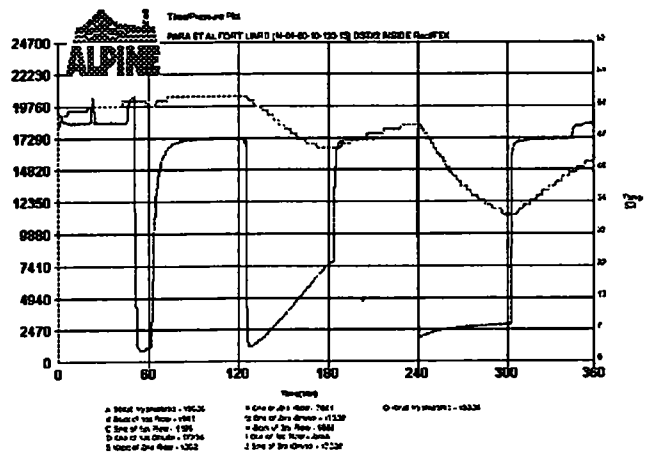
General Information:

Test Type:	INFLATE STRADDLE	Tester:	B. HOLLINGSHEAD
Interval:	1643m -1648m	Truck No.:	Unit 114
Formation:	MATTSON	Contractor:	PRECISION
KB Elevation:	492.10m	Rig No.:	387
Ground Elevation:	487.00m	Hole Diameter:	222mm
Total Depth:	1940.00m	Hole Condition:	GOOD
Test Mode:	Gas	Bottom Hole Temperature:	32.50 C

Telemetry Recorder Information:

INSIDE
Recorder #: FEK Depth: 1632.45 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	18524.7
B Start of 1st Flow	0.00	1041.0
C End of 1st Flow	8.64	1194.8
D End of 1st Shutin	56.94	17233.7
E Start of 2nd Flow	0.00	1251.5
F End of 2nd Flow	57.00	7800.9
G End of 2nd Shutin	45.90	17229.4
H Start of 3rd Flow	0.00	1864.6
I End of 3rd Flow	60.54	2943.9
J End of 3rd Shutin	40.32	17229.2
Q Final Hydrostatic	0.00	18323.9



Test Run Information:

Start Time:	2130hrs
Reached Test Depth:	200hrs
Pull Out Time:	800hrs
Tool Out Of Hole:	1530hrs
Water Loss:	6.50cm³
Mud Drop:	NO
VIS:	74.00S/L
Filter Cake:	1.60mm
Pump Time:	25min
Reversed Out:	YES
Mud Type:	GEL CHEMICAL
Mud Weight:	1110.00kg/m³
Amount of fill:	0.00m
Amount of cushion:	0.00
Type of cushion:	

General Remarks:

Mechanically successful. *Test results suggest high permeability within the zone tested.

PREFLOW: Strong air blow throughout. Gas to surface in 4 minutes, 3 meter flare. No rates taken for preflow.

SECOND FLOW: Gas to surface immediately.

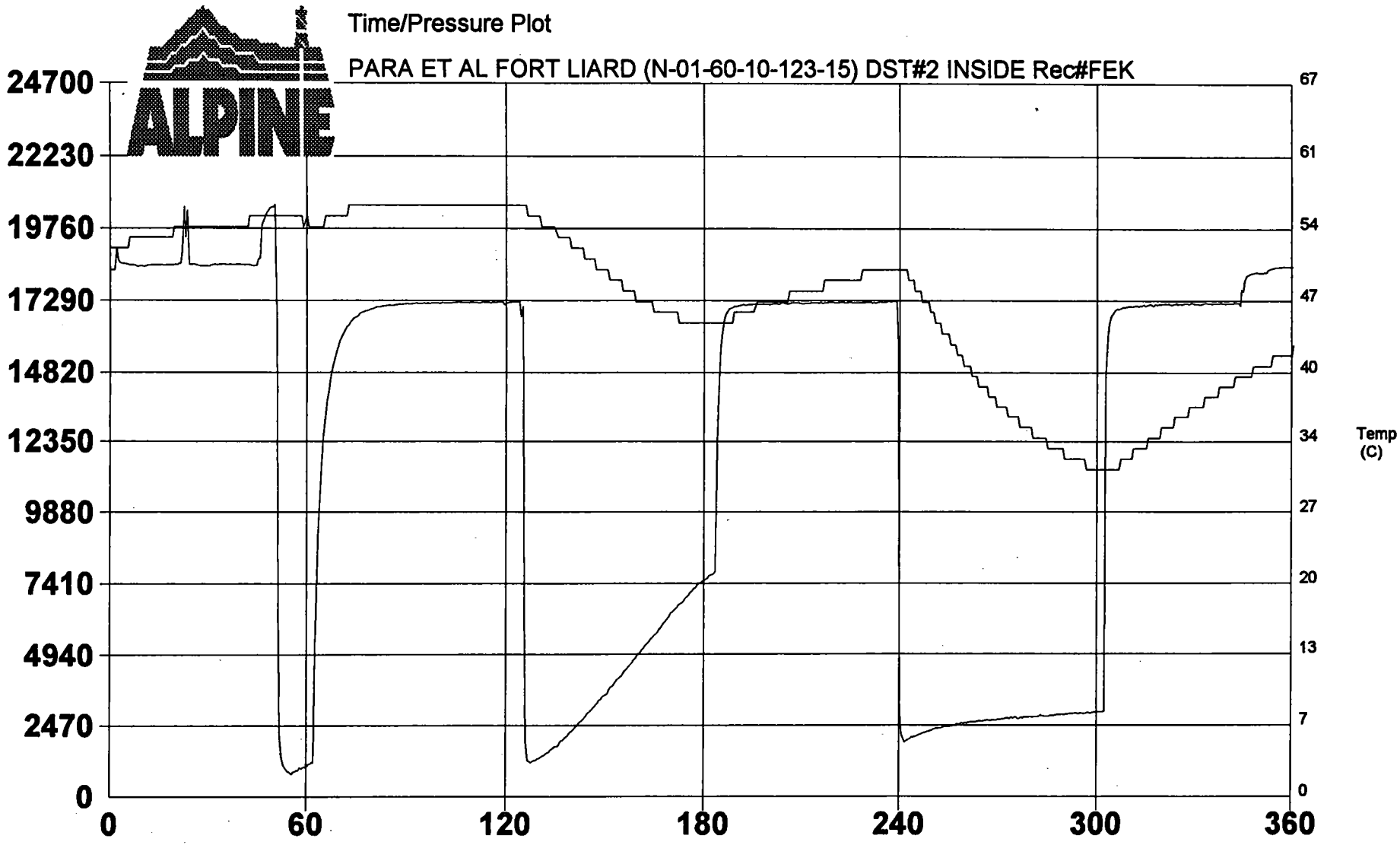
FINAL FLOW: Gas to surface immediately.

***See gas volume charts for gas rates.

Recovery Description:

Total fluid recovery reversed out was 75 meters, consisting of 70 meters drilling mud and 5 meters condensate cut mud.

Gas to surface.



A Initial Hydrostatic - 18525
B Start of 1st Flow - 1041
C End of 1st Flow - 1195
D End of 1st Shutin - 17234
E Start of 2nd Flow - 1252
F End of 2nd Flow - 7801
G End of 2nd Shutin - 17229
H Start of 3rd Flow - 1865
I End of 3rd Flow - 2944
J End of 3rd Shutin - 17229
Q Final Hydrostatic - 18324