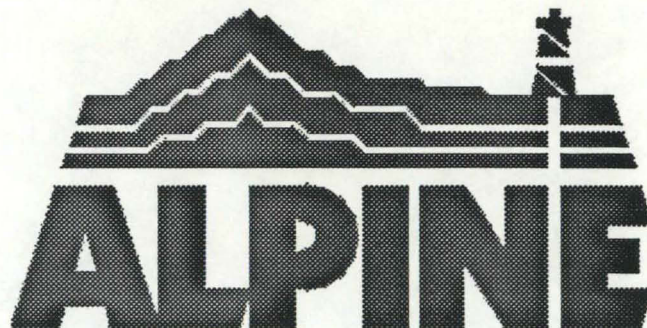


N.E.B. COPY



PARA ET AL MOUNT COTY



## *Drill Stem Test Report*

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

Well Name: **PARA ET AL MOUNT COTY I-02**

Location: **I-02/60-20-123-30**

Test Date: **12/02/2000**

Job Ticket #: **D2-08779**     DST#: **7**

I-02/60-20-123-30

DST # 7



# Drill Stem Testing Report

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

Job Ticket #: D2-08779 DST#: 7  
Test Date: 12/02/2000 1030hrs

Well Name: PARA ET AL MOUNT COTY I-02

Contact: WILBERT CALLIHOOD

Location: I-02/60-20-123-30

## General Information:

Test Type: INFLATE STRADDLE  
Interval: 708.00m - 720.00m  
Formation: CHINKEH  
KB Elevation: 374.60m  
Ground Elevation: 369.10m  
Total Depth: 1744.00m  
Test Mode: Fluid

Tester: A. SCARIONE  
Truck No.: Unit 673  
Contractor: AKITA DRILLING  
Rig No.: 51  
Hole Diameter: 222mm  
Hole Condition: FAIR  
Bottom Hole Temperature: 32.70 C

## Electronic Recorder Information:

OUTSIDE Recorder #:	FLUID Recorder #:	
066	065	
Range: 70000 kPa	Range: 35000 kPa	
Depth: 710.92 m	Depth: 685.77 m	
Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	8918.9
B Start of 1st Flow	0.00	539.9
C End of 1st Flow	11.00	476.8
D End of 1st Shutin	31.00	6306.3
E Start of 2nd Flow	0.00	722.2
F End of 2nd Flow	57.00	1205.9
G End of 2nd Shutin	91.00	6231.6
Q Final Hydrostatic	0.00	8714.6

## Test Run Information:

Start Time: 1030hrs  
Reached Test Depth: 1330hrs  
Pull Out Time: 1745hrs  
Tool Out Of Hole: 2130hrs

Weight set on Packers: 10000.00daN  
Weight to free Packers: 55000.00daN  
Initial String Weight: 45000.00daN  
Unseated String Weight: 46000.00daN

Tool Chased Dist: 0.00m Water Loss: 6.50cm<sup>3</sup>  
Mud Type: GEL CHEMICAL Mud Drop: NO  
Mud Weight: 1240.00kg/m<sup>3</sup> VIS: 61.00S/L  
Amount of fill: 0.00m Filter Cake: 2.00mm  
Amt of cushion: 0.00 Pump Time: 30min  
Type of cushion: Reversed Out: NO

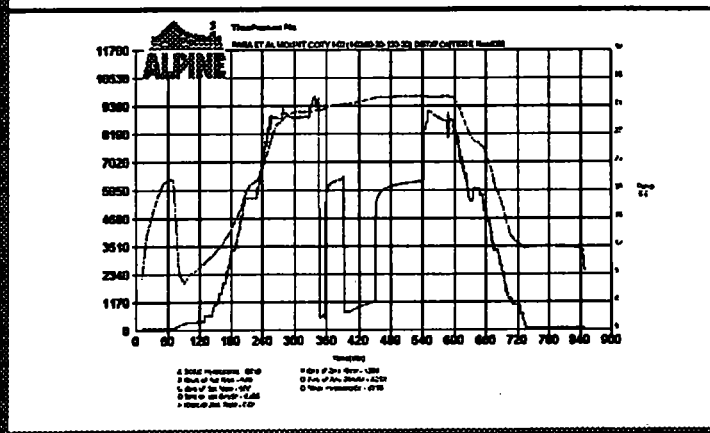
## General Remarks:

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

PREFLOW: Weak air blow throughout.

FINAL FLOW: Very weak air blow throughout.

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



## Recovery Description:

Total fluid recovery was 75 meters fresh water.

No gas to surface.

Gas Bomb: 0 Sampler: 1  
Fluid Sample: 3 Sent to: AGAT LAB



# Drill Stem Testing - Tool Diagram / Description

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

Job Ticket #: D2-08779 DST#: 7  
 Test Date: 12/02/2000 1030hrs

Well Name: PARA ET AL MOUNT COTY I-02  
 Location: I-02/60-20-123-30

Contact: WILBERT CALLIHOO

## Inflate Straddle

Drill Collar Stands:	3
Drill Collar Singles:	0
Drill Pipe Stands:	23
Drill Pipe Singles:	1
Heavy Wt. Pipe Stands:	10
Heavy Wt. Pipe Singles:	0
Total Drill Collars/Pipe and Tools:	710.51m
Total Drill Pipe Above K.B.:	2.51m
Total Depth:	1744m

## Tool / Drill Stem Information:

Tool Weight:	2000.00 daN	24.95m
Drill Collar Inside Diameter:	67.00 mm	
Drill Collar Length:	55.62 m	
Drill Pipe Inside Diameter:	97.00 mm	
Drill Pipe Length:	446.32 m	
Heavy Weight Pipe Diameter:	69.80 mm	
Heavy Weight Pipe Length:	183.62 m	
Bottom Choke Diameter:	12.70 mm	
Number of Packers: 2 Dia.:	197.00 mm	

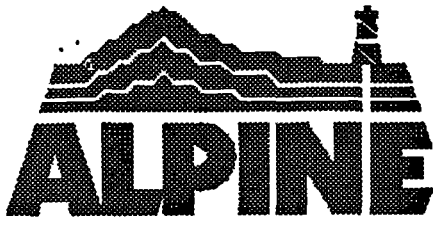
## Tool Remarks:

	Depth: 708.0m
	12.29m
	Depth: 720.0m
	5.18m



Item	Length
P.O. Sub	0.31
C.O. Sub	0.30
P.O. Sub	0.31
REC#085	1.80
HMV Stroke	2.39
Sampler	1.10
REC#133	1.80
Telemetry Tool	6.10
Jars	2.10
Safety Joint	0.65
Pump	2.05
Screen	1.18
Valve	2.23
Deflate	0.85
Packer Stub	1.78
ASE Carrier REC#068	0.72
REC#160 Bypass Hanger	2.20
Blank Spacing Bypass Receiver	0.42
Stub	7.45
Packer Extension Sub	0.78
Stub	0.72
Packer Extension Sub	1.78
Stub	0.72
Drag Spring	2.08
Bullnose	2.08
Bullnose	0.60

Total Depth: 1744.00m



# Drill Stem Testing - Time / Pressure Listing

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

Job Ticket #: D2-08779      DST#: 7  
 Test Date: 12/02/2000      1030hrs

Well Name: PARA ET AL MOUNT COTY I-02

Contact: WILBERT CALLIHO

Location: I-02/60-20-123-30

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	8918.90		30.5			25.00	5802.80	6279.60	1.4400	31.5
B	Start of 1st Flow	0.00	0.00	539.90		30.8			26.00	5808.00	6284.80	1.4231	31.5
		1.00	-16.20	523.70		30.8			27.00	5813.30	6290.10	1.4074	31.5
		2.00	5.20	545.10		30.8			28.00	5817.90	6294.70	1.3929	31.5
		3.00	18.50	558.40		30.8			29.00	5821.90	6298.70	1.3793	31.5
		4.00	33.60	573.50		30.8			30.00	5826.00	6302.80	1.3667	31.6
		5.00	53.20	593.10		30.9	D	End of 1st Shutin	31.00	5829.50	6306.30	1.3548	31.6
		6.00	71.70	611.60		30.9	E	Start of 2nd Flow	0.00	0.00	722.20		31.6
		7.00	87.90	627.80		30.9			1.00	16.20	738.40		31.6
		8.00	93.70	633.60		30.9			2.00	20.80	743.00		31.6
		9.00	113.40	653.30		31.0			3.00	31.80	754.00		31.6
		10.00	130.80	670.70		31.0			4.00	41.10	763.30		31.6
C	End of 1st Flow	11.00	-63.10	476.80		31.0			5.00	49.70	771.90		31.6
		1.00	4662.90	5139.70	12.0000	31.1			6.00	57.80	780.00		31.6
		2.00	5140.30	5617.10	6.5000	31.2			7.00	57.30	779.50		31.6
		3.00	5305.20	5782.00	4.6667	31.2			8.00	60.70	782.90		31.6
		4.00	5401.80	5878.60	3.7500	31.2			9.00	67.10	789.30		31.6
		5.00	5469.50	5946.30	3.2000	31.3			10.00	73.50	795.70		31.6
		6.00	5520.50	5997.30	2.8333	31.3			11.00	81.00	803.20		31.7
		7.00	5561.50	6038.30	2.5714	31.3			12.00	86.80	809.00		31.7
		8.00	5593.90	6070.70	2.3750	31.4			13.00	98.30	820.50		31.7
		9.00	5621.10	6097.90	2.2222	31.4			14.00	111.10	833.30		31.7
		10.00	5644.30	6121.10	2.1000	31.4			15.00	123.80	846.00		31.7
		11.00	5665.10	6141.90	2.0000	31.4			16.00	136.50	858.70		31.8
		12.00	5683.10	6159.90	1.9167	31.4			17.00	148.70	870.90		31.8
		13.00	5698.70	6175.50	1.8462	31.4			18.00	161.40	883.60		31.8
		14.00	5712.60	6189.40	1.7857	31.4			19.00	173.60	895.80		31.8
		15.00	5724.70	6201.50	1.7333	31.4			20.00	182.80	905.00		31.9
		16.00	5735.70	6212.50	1.6875	31.5			21.00	195.00	917.20		31.8
		17.00	5745.60	6222.40	1.6471	31.5			22.00	207.10	929.30		31.9
		18.00	5755.40	6232.20	1.6111	31.5			23.00	219.30	941.50		31.9
		19.00	5764.10	6240.90	1.5789	31.5			24.00	231.40	953.60		31.9
		20.00	5771.60	6248.40	1.5500	31.5			25.00	244.20	966.40		31.9
		21.00	5779.10	6255.90	1.5238	31.5			26.00	256.30	978.50		32.0
		22.00	5786.10	6262.90	1.5000	31.5			27.00	268.50	990.70		32.0
		23.00	5791.80	6268.60	1.4783	31.5			28.00	276.00	998.20		32.0
		24.00	5797.60	6274.40	1.4583	31.5			29.00	282.90	1005.10		32.0



## Drill Stem Testing - Time / Pressure Listing

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

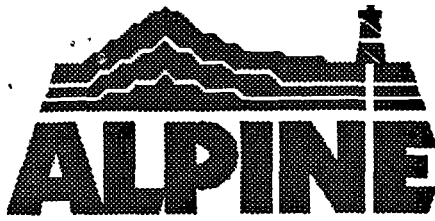
Job Ticket #: D2-08779      DST#: 7  
 Test Date: 12/02/2000    1030hrs

Well Name: PARA ET AL MOUNT COTY I-02

Contact: WILBERT CALLIHOO

Location: I-02/60-20-123-30

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)
		30.00	290.50	1012.70		32.0			10.00	4546.00	5751.90	7.8000	32.5
		31.00	297.40	1019.60		32.0			11.00	4572.00	5777.90	7.1818	32.6
		32.00	304.90	1027.10		32.1			12.00	4594.60	5800.50	6.6667	32.6
		33.00	312.40	1034.60		32.1			13.00	4615.40	5821.30	6.2308	32.6
		34.00	320.00	1042.20		32.1			14.00	4634.00	5839.90	5.8571	32.6
		35.00	327.50	1049.70		32.1			15.00	4651.30	5857.20	5.5333	32.6
		36.00	334.40	1056.60		32.1			16.00	4666.90	5872.80	5.2500	32.6
		37.00	342.00	1064.20		32.1			17.00	4680.80	5886.70	5.0000	32.6
		38.00	349.50	1071.70		32.2			18.00	4695.30	5901.20	4.7778	32.6
		39.00	356.40	1078.60		32.2			19.00	4708.00	5913.90	4.5789	32.6
		40.00	359.90	1082.10		32.2			20.00	4720.20	5926.10	4.4000	32.6
		41.00	366.80	1089.00		32.2			21.00	4731.80	5937.70	4.2381	32.6
		42.00	373.80	1096.00		32.2			22.00	4743.30	5949.20	4.0909	32.6
		43.00	381.30	1103.50		32.2			23.00	4753.70	5959.60	3.9565	32.6
		44.00	388.80	1111.00		32.3			24.00	4763.00	5968.90	3.8333	32.6
		45.00	396.40	1118.60		32.3			25.00	4772.80	5978.70	3.7200	32.6
		46.00	403.90	1126.10		32.3			26.00	4782.10	5988.00	3.6154	32.6
		47.00	411.40	1133.60		32.3			27.00	4790.80	5996.70	3.5185	32.6
		48.00	418.30	1140.50		32.3			28.00	4798.90	6004.80	3.4286	32.6
		49.00	425.90	1148.10		32.3			29.00	4807.00	6012.90	3.3448	32.6
		50.00	432.80	1155.00		32.3			30.00	4813.90	6019.80	3.2667	32.6
		51.00	440.30	1162.50		32.3			31.00	4821.40	6027.30	3.1935	32.6
		52.00	447.30	1169.50		32.4			32.00	4828.40	6034.30	3.1250	32.6
		53.00	454.20	1176.40		32.4			33.00	4835.30	6041.20	3.0606	32.6
		54.00	461.70	1183.90		32.4			34.00	4841.70	6047.60	3.0000	32.6
		55.00	468.70	1190.90		32.4			35.00	4848.10	6054.00	2.9429	32.6
		56.00	476.20	1198.40		32.4			36.00	4853.80	6059.70	2.8889	32.6
F	End of 2nd Flow	57.00	483.70	1205.90		32.4			37.00	4859.60	6065.50	2.8378	32.7
		1.00	3193.10	4399.00	69.0000	32.5			38.00	4865.40	6071.30	2.7895	32.6
		2.00	3981.20	5187.10	35.0000	32.5			39.00	4870.60	6076.50	2.7436	32.7
		3.00	4174.50	5380.40	23.6667	32.5			40.00	4875.80	6081.70	2.7000	32.7
		4.00	4276.30	5482.20	18.0000	32.5			41.00	4881.00	6086.90	2.6585	32.7
		5.00	4348.10	5554.00	14.6000	32.5			42.00	4885.70	6091.80	2.6190	32.7
		6.00	4402.50	5608.40	12.3333	32.5			43.00	4890.30	6096.20	2.5814	32.6
		7.00	4447.60	5653.50	10.7143	32.5			44.00	4895.50	6101.40	2.5455	32.7
		8.00	4485.20	5691.10	9.5000	32.5			45.00	4900.10	6106.00	2.5111	32.7
		9.00	4518.20	5724.10	8.5556	32.6			46.00	4904.20	6110.10	2.4783	32.7



## Drill Stem Testing - Time / Pressure Listing

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

Job Ticket #: D2-08779      DST#: 7  
 Test Date: 12/02/2000    1030hrs

Well Name: PARA ET AL MOUNT COTY I-02

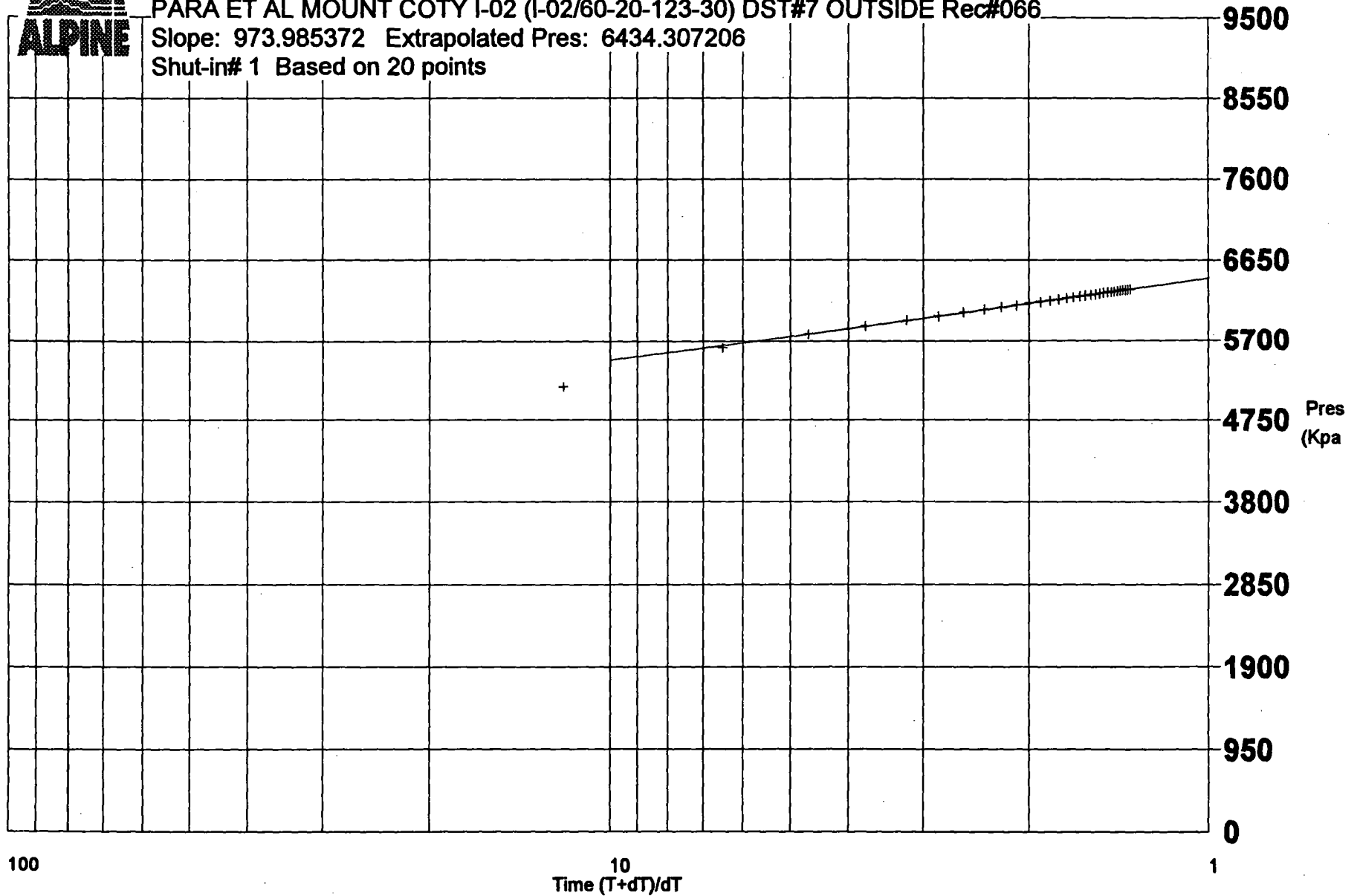
Contact: WILBERT CALLIHOO

Location: I-02/60-20-123-30

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)
		47.00	4908.80	6114.70	2.4468	32.7			84.00	5012.40	6218.30	1.8095	32.7
		48.00	4912.90	6118.80	2.4167	32.7			85.00	5014.70	6220.60	1.8000	32.7
		49.00	4916.90	6122.80	2.3878	32.7			86.00	5016.50	6222.40	1.7907	32.7
		50.00	4921.00	6126.90	2.3600	32.7			87.00	5018.80	6224.70	1.7816	32.7
		51.00	4923.90	6129.80	2.3333	32.7			88.00	5020.50	6226.40	1.7727	32.7
		52.00	4927.90	6133.80	2.3077	32.7			89.00	5021.70	6227.60	1.7640	32.7
		53.00	4931.40	6137.30	2.2830	32.7			90.00	5024.00	6229.90	1.7556	32.7
		54.00	4934.90	6140.80	2.2593	32.7	G	End of 2nd Shutin	91.00	5025.70	6231.60	1.7473	32.7
		55.00	4938.90	6144.80	2.2364	32.7	Q	Final Hydrostatic	0.00	0.00	8714.60		32.7
		56.00	4941.80	6147.70	2.2143	32.7							
		57.00	4945.30	6151.20	2.1930	32.7							
		58.00	4948.20	6154.10	2.1724	32.7							
		59.00	4951.60	6157.50	2.1525	32.7							
		60.00	4954.50	6160.40	2.1333	32.7							
		61.00	4958.00	6163.90	2.1148	32.7							
		62.00	4960.90	6166.80	2.0968	32.7							
		63.00	4963.20	6169.10	2.0794	32.7							
		64.00	4966.10	6172.00	2.0625	32.7							
		65.00	4969.00	6174.90	2.0462	32.7							
		66.00	4971.90	6177.80	2.0303	32.7							
		67.00	4974.20	6180.10	2.0149	32.7							
		68.00	4977.10	6183.00	2.0000	32.7							
		69.00	4979.40	6185.30	1.9855	32.7							
		70.00	4982.30	6188.20	1.9714	32.7							
		71.00	4984.60	6190.50	1.9577	32.7							
		72.00	4986.90	6192.80	1.9444	32.7							
		73.00	4989.30	6195.20	1.9315	32.7							
		74.00	4991.60	6197.50	1.9189	32.7							
		75.00	4993.90	6199.80	1.9067	32.7							
		76.00	4996.20	6202.10	1.8947	32.7							
		77.00	4998.50	6204.40	1.8831	32.7							
		78.00	5000.20	6206.10	1.8718	32.7							
		79.00	5002.60	6208.50	1.8608	32.7							
		80.00	5004.90	6210.80	1.8500	32.7							
		81.00	5006.60	6212.50	1.8395	32.7							
		82.00	5008.90	6214.80	1.8293	32.7							
		83.00	5010.70	6216.60	1.8193	32.7							



Homer Plot  
PARA ET AL MOUNT COTY I-02 (I-02/60-20-123-30) DST#7 OUTSIDE Rec#066  
Slope: 973.985372 Extrapolated Pres: 6434.307206  
Shut-in# 1 Based on 20 points

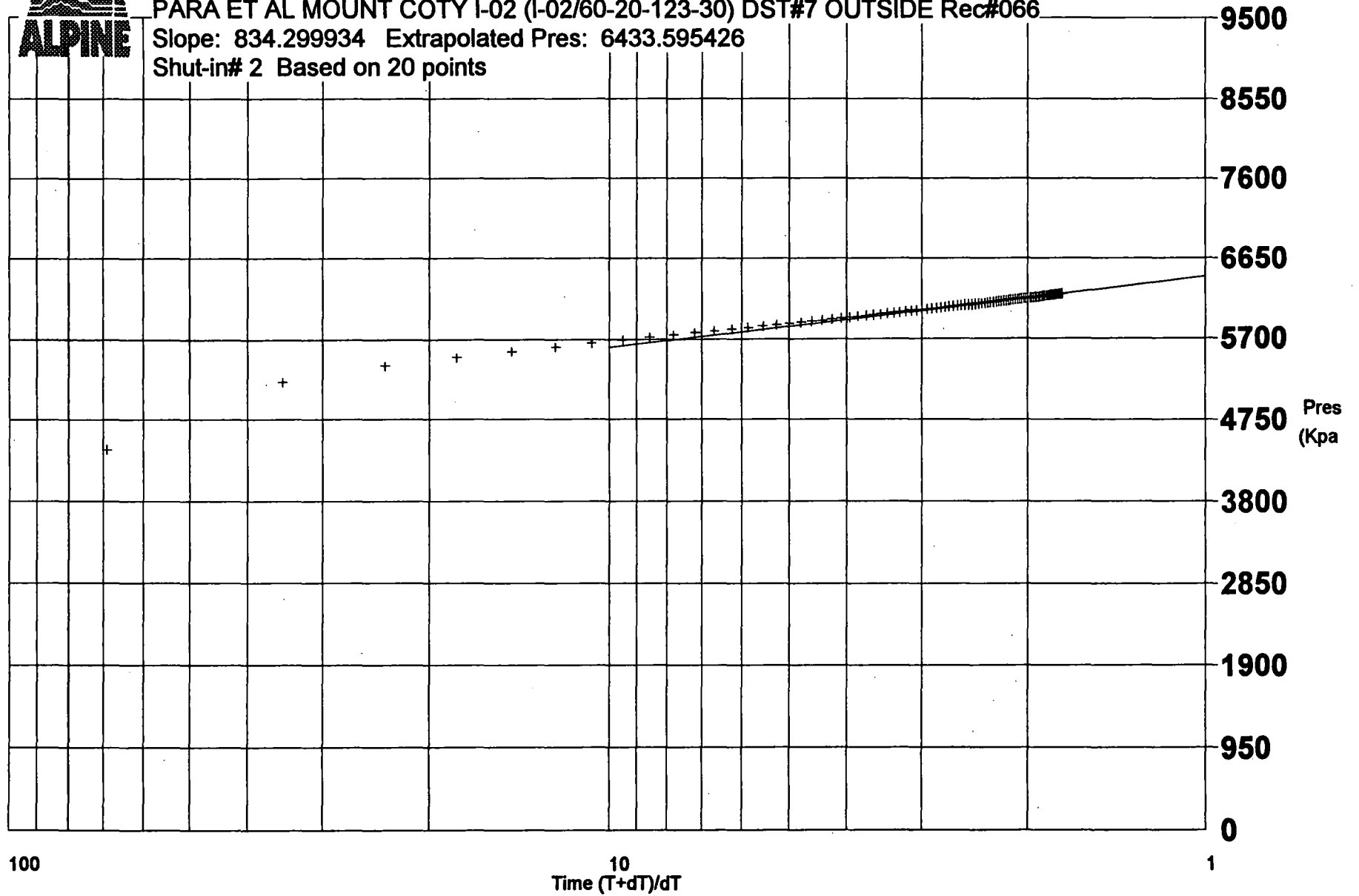




Homer Plot  
PARA ET AL MOUNT COTY I-02 (I-02/60-20-123-30) DST#7 OUTSIDE Rec#066

Slope: 834.299934 Extrapolated Pres: 6433.595426

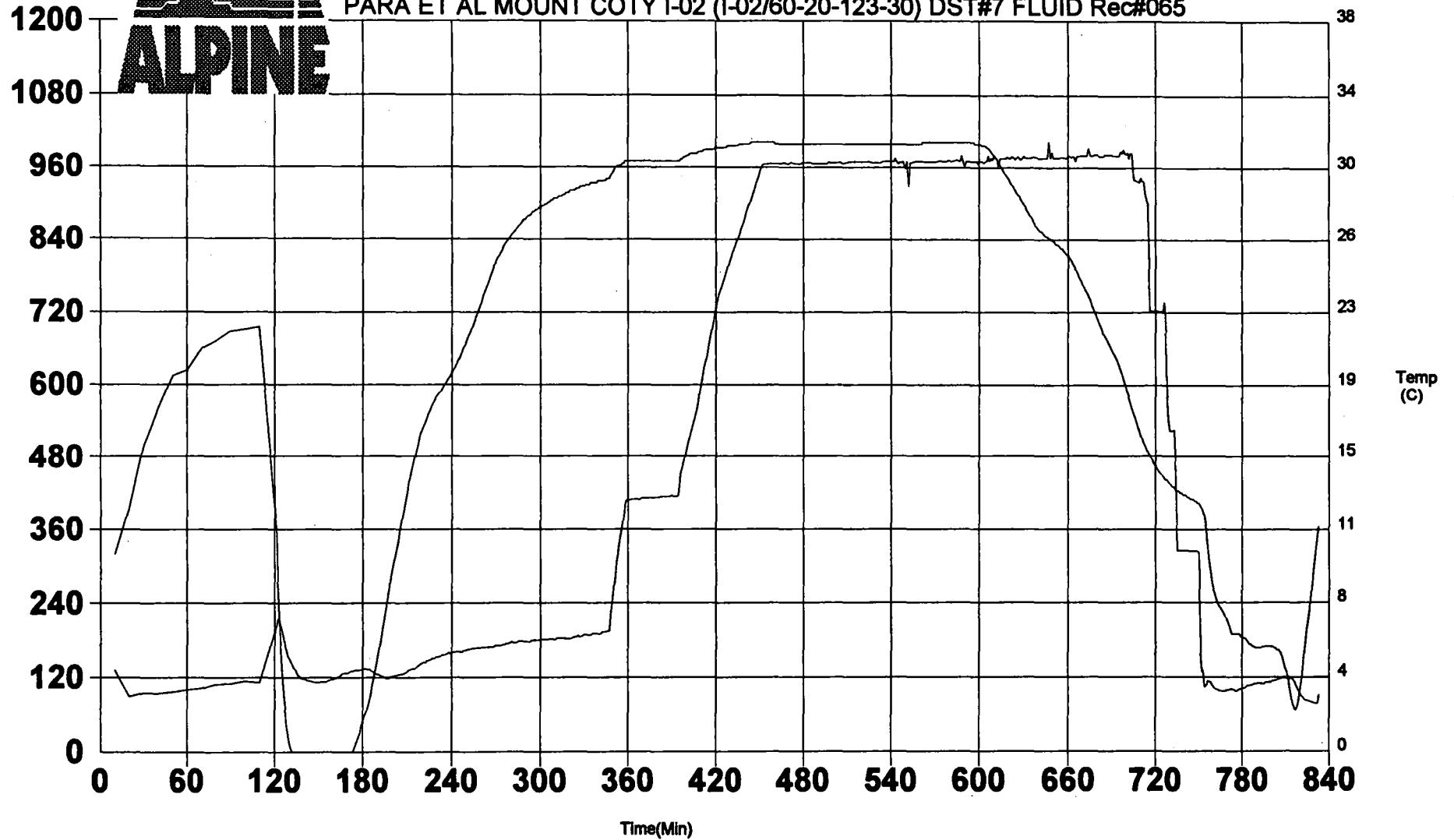
Shut-in# 2 Based on 20 points





Time/Pressure Plot

PARA ET AL MOUNT COTY I-02 (I-02/60-20-123-30) DST#7 FLUID Rec#065



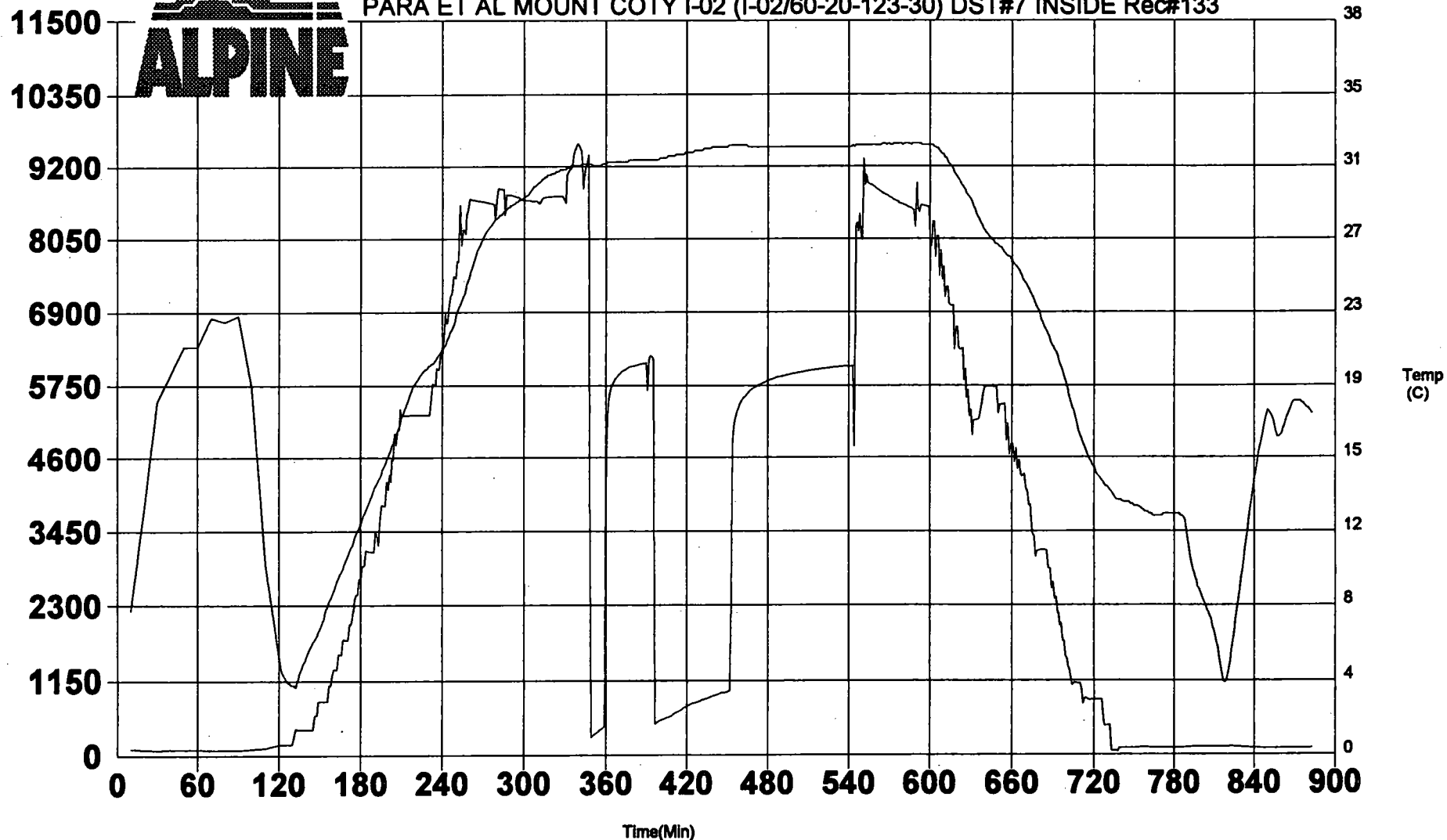
A Initial Hydrostatic - 193  
B Start of 1st Flow - 194  
C End of 1st Flow - 401  
D End of 1st Shutin - 414  
E Start of 2nd Flow - 414

F End of 2nd Flow - 960  
G End of 2nd Shutin - 969  
Q Final Hydrostatic - 968



Time/Pressure Plot

PARA ET AL MOUNT COTY I-02 (I-02/60-20-123-30) DST#7 INSIDE Rec#133



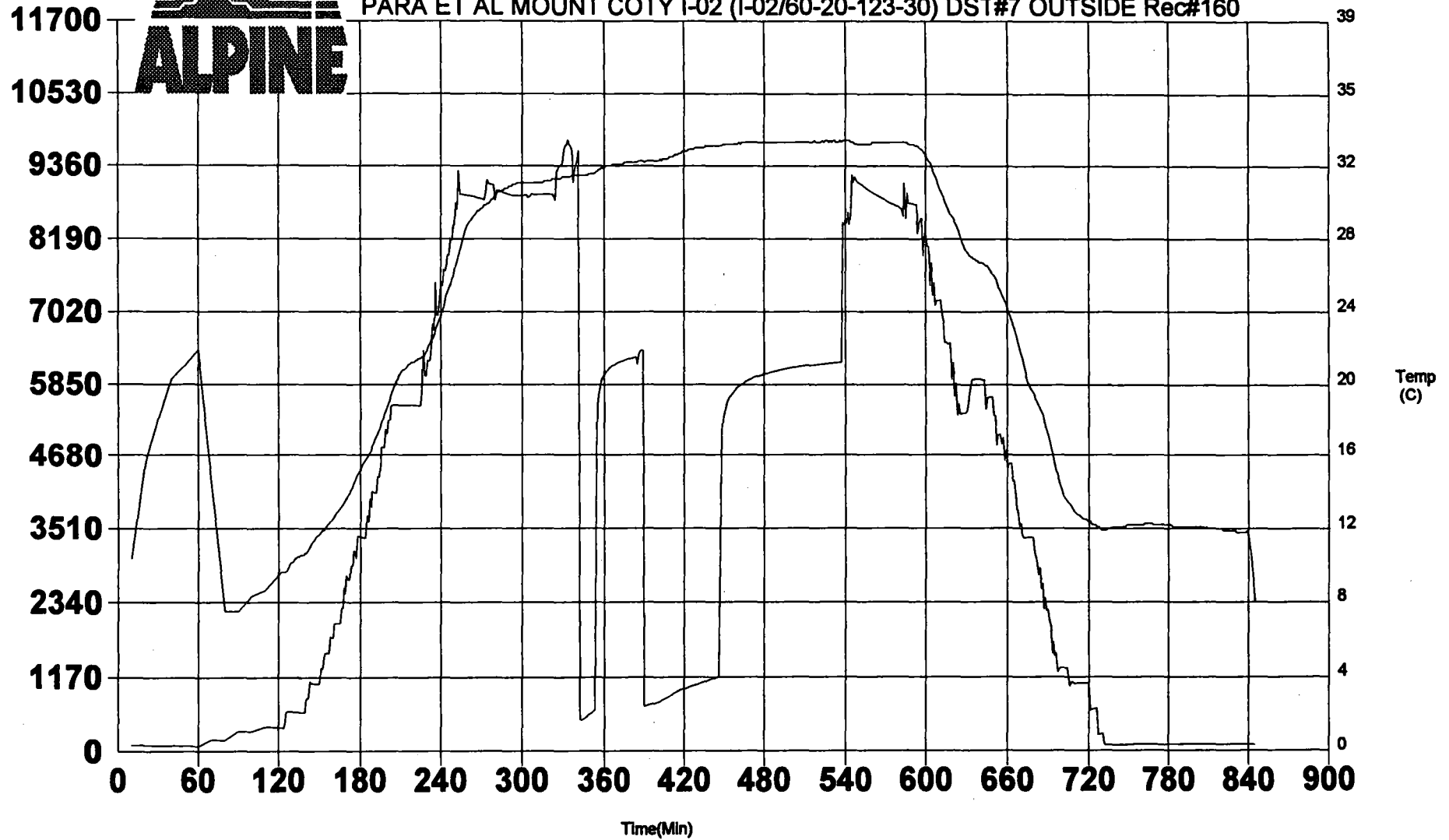
A Initial Hydrostatic - 8724  
B Start of 1st Flow - 277  
C End of 1st Flow - 447  
D End of 1st Shutin - 6107  
E Start of 2nd Flow - 479

F End of 2nd Flow - 1002  
G End of 2nd Shutin - 6059  
Q Final Hydrostatic - 8684



Time/Pressure Plot

PARA ET AL MOUNT COTY I-02 (I-02/60-20-123-30) DST#7 OUTSIDE Rec#160



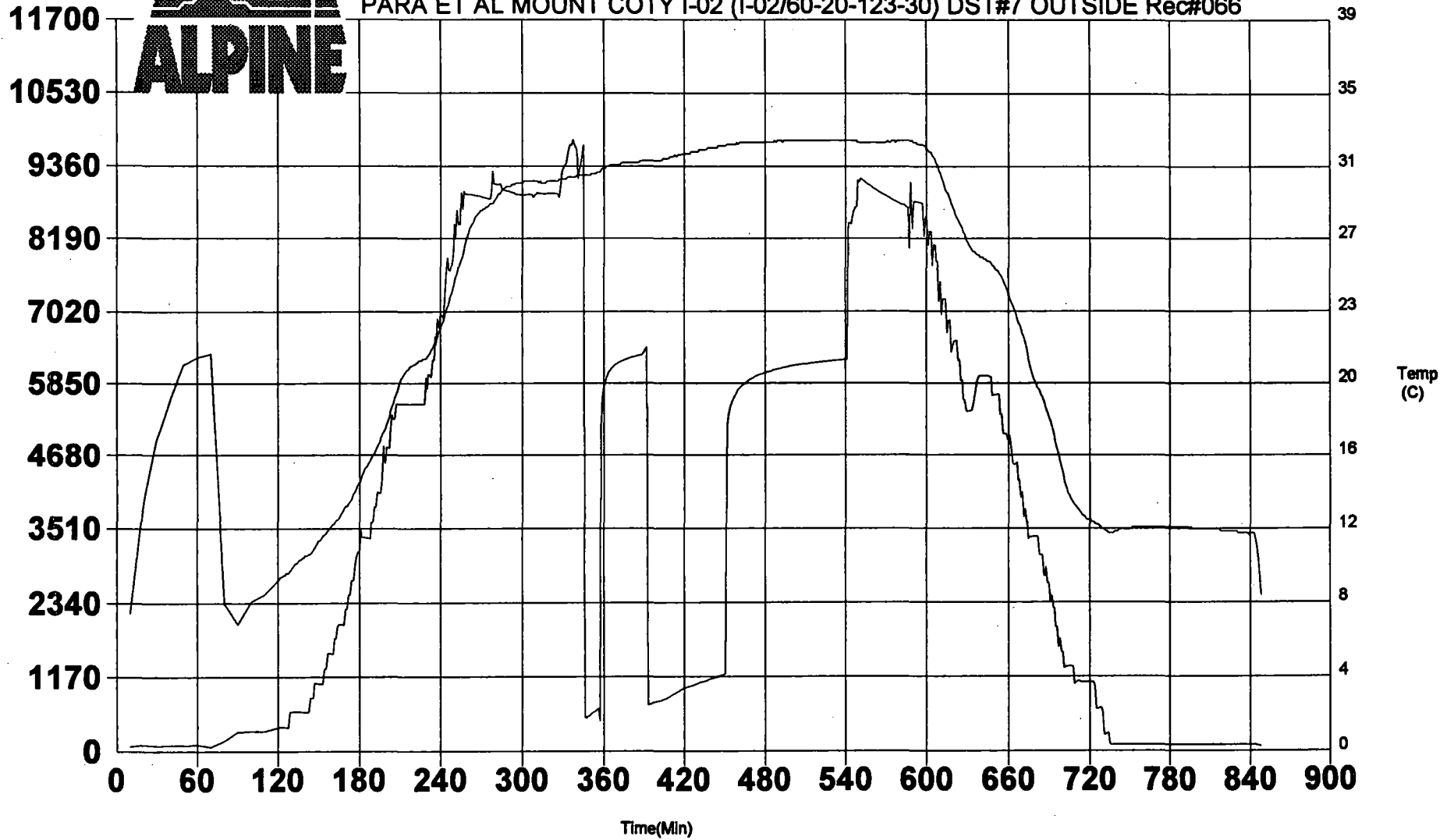
A Initial Hydrostatic - 8902  
B Start of 1st Flow - 517  
C End of 1st Flow - 655  
D End of 1st Shutin - 6284  
E Start of 2nd Flow - 715

F End of 2nd Flow - 1174  
G End of 2nd Shutin - 6207  
Q Final Hydrostatic - 8616



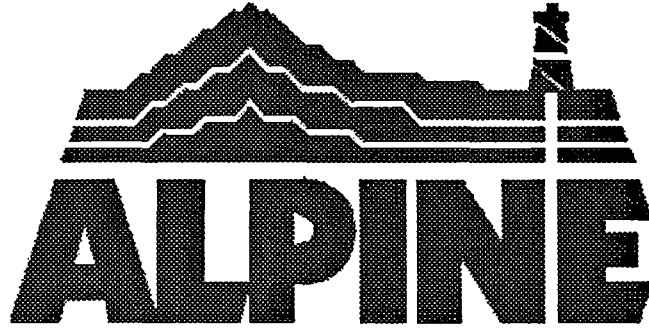
Time/Pressure Plot

PARA ET AL MOUNT COTY I-02 (I-02/60-20-123-30) DST#7 OUTSIDE Rec#066



A Initial Hydrostatic - 8919  
B Start of 1st Flow - 540  
C End of 1st Flow - 477  
D End of 1st Shutin - 6306  
E Start of 2nd Flow - 722

F End of 2nd Flow - 1206  
G End of 2nd Shutin - 6232  
Q Final Hydrostatic - 8715



## *Real Time Test Report*

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

**Well Name: PARA ET AL MOUNT COTY I-02**  
**Location: I-02/60-20-123-30**

**Test Date: 12/02/2000**

**Job Ticket #: T6191-7      DST#: 7**



# Real Time Testing Report

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

Job Ticket #: T6191-7 DST#: 7  
Test Date: 12/02/2000 1030hrs

Well Name: PARA ET AL MOUNT COTY I-02  
Location: I-02/60-20-123-30

Contact: WILBERT CALLIHOOD

## General Information:

Test Type: INFLATE STRADDLE  
Interval: 708m -720m  
Formation: CHINKEH  
KB Elevation: 374.60m  
Ground Elevation: 369.10m  
Total Depth: 1744.00m  
Test Mode: Fluid

Tester: K. PEARSON  
Truck No.: Unit 673  
Contractor: AKITA DRILLING  
Rig No.: 51  
Hole Diameter: 222mm  
Hole Condition: FAIR  
Bottom Hole Temperature: 32.70 C

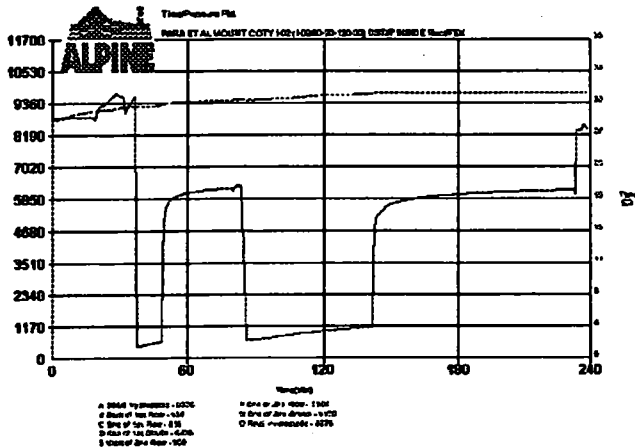
## Telemetry Recorder Information:

INSIDE  
Recorder #: FEK Depth: 697.16 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	9375.7
B Start of 1st Flow	0.00	430.6
C End of 1st Flow	10.74	615.5
D End of 1st Shutin	31.32	6235.5
E Start of 2nd Flow	0.00	650.3
F End of 2nd Flow	55.68	1169.5
G End of 2nd Shutin	90.66	6179.4
Q Final Hydrostatic	0.00	8574.7

## Test Run Information:

Start Time: 1030hrs  
Reached Test Depth: 1330hrs  
Pull Out Time: 1745hrs  
Tool Out Of Hole: 2130hrs  
Water Loss: 6.50cm<sup>3</sup>  
Mud Drop: NO  
VIS: 61.00S/L  
Filter Cake: 2.00mm  
Pump Time: 30min  
Reversed Out: NO  
Mud Type: GEL CHEMICAL  
Mud Weight: 1240.00kg/m<sup>3</sup>  
Amount of fill: 0.00m  
Amount of cushion: 0.00  
Type of cushion:



## General Remarks:

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

PREFLOW: Weak air blow throughout.

FINAL FLOW: Very weak air blow throughout.

## Recovery Description:

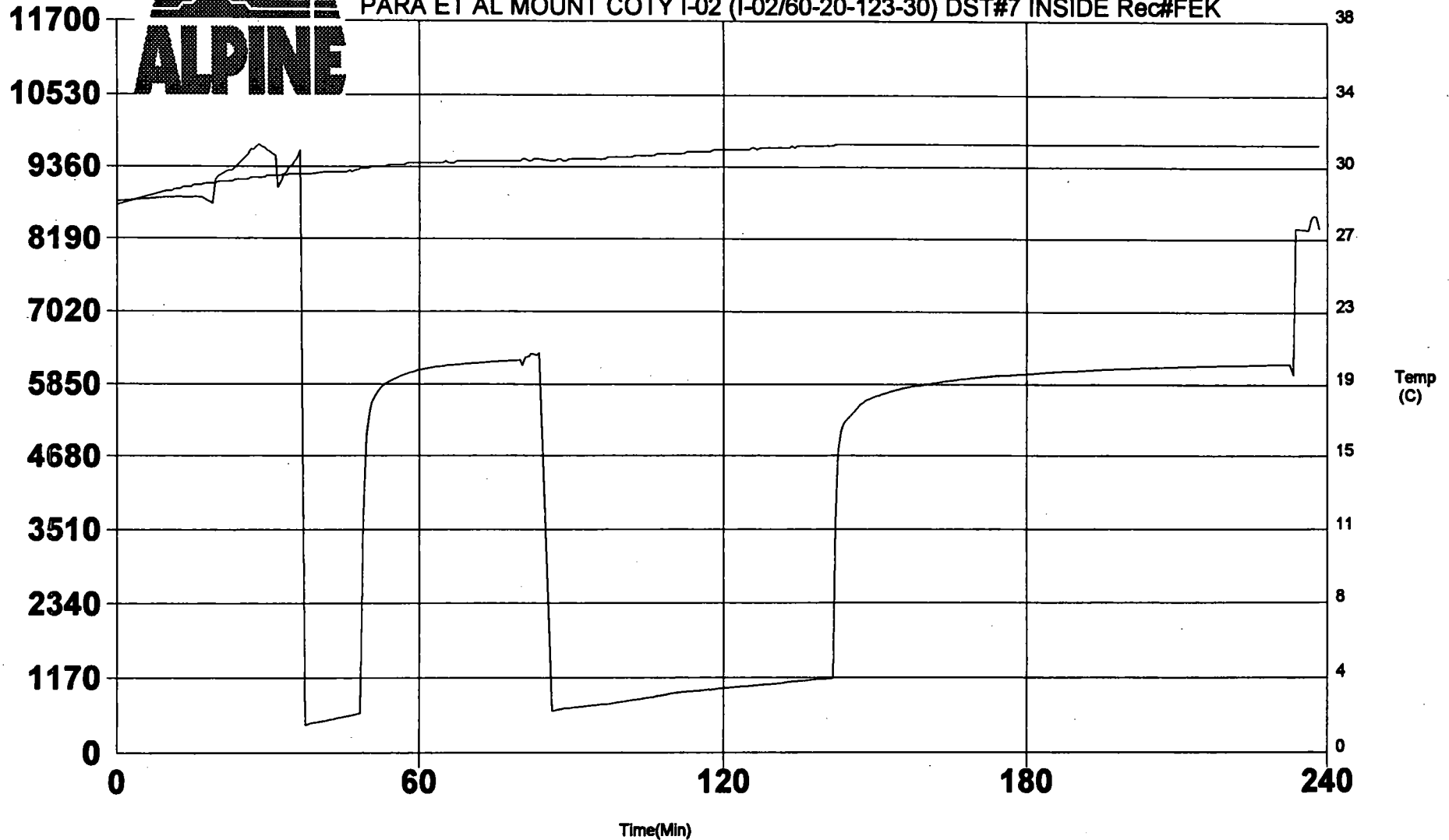
Total fluid recovery was 75 meters fresh water.

No gas to surface.



Time/Pressure Plot

PARA ET AL MOUNT COTY I-02 (I-02/60-20-123-30) DST#7 INSIDE Rec#FEK



A Initial Hydrostatic - 9376  
B Start of 1st Flow - 431  
C End of 1st Flow - 616  
D End of 1st Shutin - 6236  
E Start of 2nd Flow - 650

F End of 2nd Flow - 1160  
G End of 2nd Shutin - 6179  
Q Final Hydrostatic - 8575