

REF#:C-76-919-09000-67

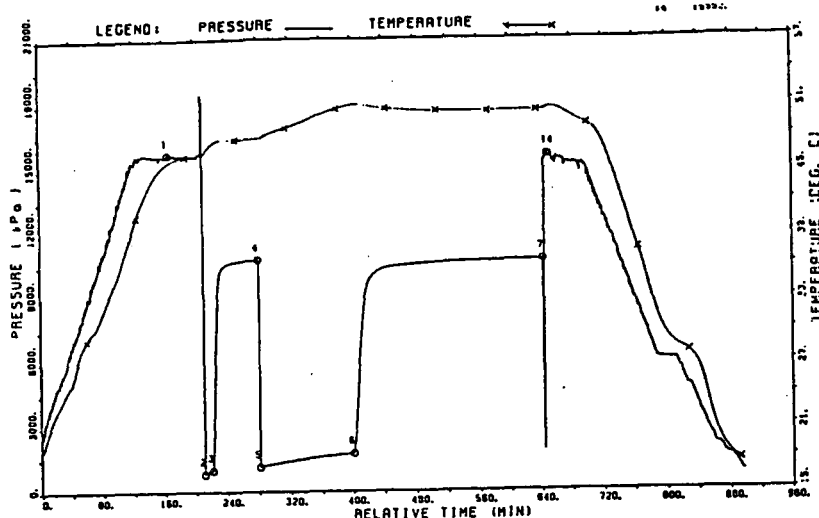
TEST DATE: 91/02/08

PARAMOUNT ET AL CAMERON M-73
400/ 60.025 / 117.292 /00
DST#01
1341.19m to 1377.60m
SLAVE POINT

DEPTH: 1334.00m

PRESSURE
kPa

RECORDER # 000016



- 1)Initial Hydro : 15680.
- 2)1st Flow Start: 793.
- 3)1st Flow End : 969.
- 4)END 1st Shutin: 10808.
- 5)2nd Flow Start: 1108.
- 6)2nd Flow End : 1724.
- 7)END 2nd Shutin: 10752.
- 14)Final Hydro. : 15552.

TEST TIMES(MIN)

- 1stFLOW : 10.0
SHUTIN: 59.0
2ndFLOW : 119.5
SHUTIN: 242.0

RECOVERY DATA

TOTAL FLUID RECOVERY OF 180 METERS CONSISTED OF 50 METERS OF FOAMY DRILLING MUD AND 130 METERS OF WATERY DRILLING MUD. NO GAS TO SURFACE.

REMARKS AND TEST SUMMARY

Test results indicate a mechanically successful test. Bottom hole pressures and the shape of the shut-in curves suggest AVERAGE PERMEABILITY within the interval tested. The results also suggest formation damage.

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General Data	Tool Sequence	PRESSURE	Plot Summary
Blow Description	Recorder Summary	-TIME	Reservoir Calculations
Liquid Recovery	Mud and Hole Data	LISTING	-Parameters used
Gas Measurements			-Results

***** RECORDER PAGES & FIGURES *****

BAKER OIL TOOLS CANADA
DST#01 REPORT

p.1

Well name : PARAMOUNT ET AL CAMERON M-73
Location : 400/ 60.025 / 117.292 /00
Interval : 1341.19m to 1377.60m
Test Date : 91/02/08
Test Type : DUAL CONVENTIONAL BOTTOM HOLE
Formation : SLAVE POINT

K.B.Elevation : 775.15m
Grd.Elevation :
TD @ test Date: 1377.60m
Ticket Number : 83101
Unit Number : 890235

Started in hole at : 0030 hrs
Tool opened at : 0520 hrs
Reverse circulated?: NO
Contractor & Rig No: SIERRA #2
BAKER#1 : 1 OF 1 ON THE SAME TRIP.

CUSHION : LIQUID 30.00m

Operator: PARAMOUNT RESOURCES LTD.
4100
350 - 7TH AVE. S.W.
CALGARY ALBERTA
T2P3W5

Company Rep : WILSON D
Testers : MILLAR D

5 REPORTS(S) TO: PHIL BESLER
Company:

BLOW DESCRIPTION

PREFLOW: Very weak air blow throughout. No gas to surface.

FINAL FLOW: Very weak air blow throughout. No gas to surface.

TOTAL LIQUID RECOVERY : 180.00m

For DST# 1 through DST# 1
4 Fluid Samples
Sent to: AGAT

Field Est. Salinity :17000.0g/m3

Btm. Hole Sampler #: 208
Sent to: AGAT

50.00m FOAMY DRILLING MUD.
130.00m WATERY DRILLING MUD.

GAS MEASUREMENTS

No Gas Measurements

TOOL SEQUENCE

RECORDER SUMMARY

SUB	LENGTH (m)
PUMP OUT SUB	.30
CROSS OVER SUB	.30
CROSS OVER SUB	.30
RECORDER CARRIER	1.38
SHUT-IN TOOL	2.58
BTM HOLE SAMPLER	1.03
HYDRAULIC TOOL	1.50
RECORDER CARRIER	2.00
HYDRAULIC JARS	2.22
SAFETY JOINT	.65
CONV. PACKERS	3.52
PACKER STICK DOWN	1.04
PERFORATIONS	3.05
RECORDER CARRIER	2.06
SPACING	1.55
CROSS OVER SUBS	.60
DRILL COLLARS	27.36
BULL NOSE	.75

1) NUMBER	: 000016	ZI ELECTRONIC
TYPE	: ZI	GAUGE.
LOCATION:	OUTSIDE	
RANGE:	68900.00kPa	
DEPTH	: 1334.00m	
2) NUMBER	: 012141	ABOVE HYDRAULIC
TYPE	: K-3	TOOL.
LOCATION:	INSIDE	
RANGE:	10300.00kPa	
DEPTH	: 1326.00m	
3) NUMBER	: 019103	
TYPE	: K-3	
LOCATION:	OUTSIDE	
RANGE:	20000.00kPa	
DEPTH	: 1347.00m	

***** TOOL TOTAL 52.19

DRILL COLLARS

ID= 57.0mm: 127.04

ID= :

DRILL PIPE

OD=102.0mm: 1203.45

OD= :

COLLAR-PIPE TOTAL 1330.49

STICK UP ABOVE TABLE : 5.11

TOOL ABOVE INTERVAL : 15.81

TOTAL INTERVAL : 36.41

BOTTOM CHOKE SIZE: 25.40 mm

MUD AND HOLE DATA

Calipered Hole Size @ Test Depth:	222.00mm	Water Loss :	7.0cc/s
Hole Condition at Test Time	: FAIR	Filter Cake:	2.0 mm
Hole Conditioned Prior to Test?	: YES		
Mud Weight	: 1135.0 kg/m3	Main Hole Size:	222.00mm
Mud Type	: GEL CHEMICAL		
Viscosity	: 54.0s/l	Temperature @1334.00m	= 50.3C

DST#01
PARAMOUNT ET AL CAMERON M-73
1341.19 m to 1377.60 m

p.3

Location: 400/ 60.025 / 117.292 /00

Recorder Number: 000016

Test Type: DUAL CONVENTIONAL BOTTOM HOLE

Recorder Depth: 1334.00 m

Formation: SLAVE POINT

Subsea Depth: -558.85 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt)/dt kPa	ABSCISSA
1	INITIAL HYDROSTATIC			15680	
2	START OF 1st FLOW	0.0		793	
		.5		806	
		1.0		818	
		2.0		836	
		2.5		846	
		3.0		857	
		3.5		868	
		4.0		878	
		4.5		886	
		5.0		896	
		6.0		911	
		6.5		919	
		7.0		925	
		7.5		931	
		8.0		937	
		8.5		945	
		9.0		952	
3	END OF 1st FLOW	10.0		969	
	1st SHUTIN PERIOD	0.0		969	
		1.5	904	1873	7.6667
		3.0	3197	4166	4.3333
		5.0	6477	7446	3.0000
		6.5	7946	8915	2.5385
		8.5	8868	9837	2.1765
		10.0	9186	10155	2.0000
		12.0	9395	10364	1.8333
		13.5	9483	10452	1.7407
		15.0	9541	10510	1.6667
		17.0	9594	10563	1.5882
		18.5	9627	10596	1.5405
		20.5	9664	10633	1.4878

* VALUES USED FOR EXTRAPOLATIONS

DST#01
PARAMOUNT ET AL CAMERON M-73
1341.19 m to 1377.60 m

p.3a

Location: 400/ 60.025 / 117.292 /00 Recorder Number: 000016
Test Type: DUAL CONVENTIONAL BOTTOM HOLE Recorder Depth: 1334.00 m
Formation: SLAVE POINT Subsea Depth: -558.85 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt) /dt kPa	ABSCISSA
		22.0	9685	10653	1.4545
		24.0	9709	10678	1.4167
		25.5	9725	10693	1.3922
		27.0	9737	10706	1.3704
		29.0	9752	10721	1.3448
		30.5	9761	10730	1.3279
		32.5	9771	10740	1.3077
		34.0	9778	10747	1.2941
		36.0	9787	10756	1.2778*
		37.5	9793	10761	1.2667*
		39.0	9797	10766	1.2564*
		41.0	9803	10772	1.2439*
		42.5	9808	10776	1.2353*
		44.5	9813	10781	1.2247*
		46.0	9816	10785	1.2174*
		48.0	9820	10789	1.2083*
		49.5	9824	10792	1.2020*
		51.0	9826	10795	1.1961*
		53.0	9830	10799	1.1887*
		54.5	9833	10802	1.1835*
		56.5	9836	10805	1.1770*
		58.0	9838	10807	1.1724*
4	END OF 1st SHUTIN	59.0	9839	10808	1.1695*
5	START OF 2nd FLOW	0.0		1108	
		2.0		1147	
		4.5		1164	
		6.5		1181	
		9.0		1190	
		11.5		1215	
		13.5		1227	
		16.0		1241	
		18.0		1253	
		20.5		1269	
		22.5		1283	

* VALUES USED FOR EXTRAPOLATIONS

DST#01
PARAMOUNT ET AL CAMERON M-73
1341.19 m to 1377.60 m

p.3b

Location: 400/ 60.025 / 117.292 /00	Recorder Number: 000016
Test Type: DUAL CONVENTIONAL BOTTOM HOLE	Recorder Depth: 1334.00 m
Formation: SLAVE POINT	Subsea Depth: -558.85 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt)/dt kPa	ABSCISSA
		25.0		1303	
		27.5		1317	
		29.5		1330	
		32.0		1348	
		34.0		1358	
		36.5		1369	
		38.5		1380	
		41.0		1396	
		43.5		1412	
		45.5		1428	
		48.0		1442	
		50.0		1451	
		52.5		1462	
		54.5		1473	
		57.0		1486	
		59.5		1497	
		61.5		1504	
		64.0		1514	
		66.0		1522	
		68.5		1532	
		70.5		1539	
		73.0		1551	
		75.5		1563	
		77.5		1574	
		80.0		1585	
		82.0		1594	
		84.5		1603	
		86.5		1611	
		89.0		1619	
		91.5		1628	
		93.5		1636	
		96.0		1645	
		98.0		1652	
		100.5		1660	
		102.5		1667	
		105.0		1676	

* VALUES USED FOR EXTRAPOLATIONS

DST#01
PARAMOUNT ET AL CAMERON M-73
1341.19 m to 1377.60 m

p.3c

Location: 400/ 60.025 / 117.292 /00 Recorder Number: 000016
Test Type: DUAL CONVENTIONAL BOTTOM HOLE Recorder Depth: 1334.00 m
Formation: SLAVE POINT Subsea Depth: -558.85 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt) /dt kPa	ABSCISSA
		107.5		1682	
		109.5		1690	
		112.0		1698	
		114.0		1706	
		116.5		1714	
		118.5		1719	
6	END OF 2nd FLOW	119.5		1724	
	2nd SHUTIN PERIOD	0.0		1724	
		3.0	1025	2750	44.1667
		6.5	3054	4778	20.9231
		10.0	5339	7064	13.9500
		13.5	6881	8605	10.5926
		17.0	7687	9411	8.6176
		20.5	8066	9791	7.3171
		24.0	8258	9982	6.3958
		27.0	8392	10117	5.7963
		30.5	8486	10211	5.2459
		34.0	8560	10284	4.8088
		37.5	8612	10336	4.4533
		41.0	8652	10376	4.1585
		44.5	8686	10410	3.9101
		48.0	8711	10436	3.6979
		51.0	8734	10458	3.5392
		54.5	8756	10481	3.3761
		58.0	8772	10497	3.2328
		61.5	8787	10512	3.1057
		65.0	8800	10524	2.9923
		68.5	8812	10537	2.8905
		72.0	8826	10550	2.7986
		75.0	8837	10561	2.7267
		78.5	8847	10572	2.6497
		82.0	8857	10581	2.5793
		85.5	8863	10587	2.5146
		89.0	8874	10598	2.4551

* VALUES USED FOR EXTRAPOLATIONS

DST#01
PARAMOUNT ET AL CAMERON M-73
1341.19 m to 1377.60 m

p.3d

Location: 400/ 60.025 / 117.292 /00
Test Type: DUAL CONVENTIONAL BOTTOM HOLE
Formation: SLAVE POINT

Recorder Number: 000016
Recorder Depth: 1334.00 m
Subsea Depth: -558.85 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt) /dt kPa	ABSCISSA
		92.5	8883	10608	2.4000
		96.0	8891	10616	2.3490
		99.0	8899	10623	2.3081
		102.5	8906	10631	2.2634
		106.0	8913	10638	2.2217
		109.5	8919	10644	2.1826
		113.0	8925	10650	2.1460
		116.5	8930	10655	2.1116
		120.0	8935	10660	2.0792
		123.0	8940	10664	2.0528
		126.5	8945	10669	2.0237
		130.0	8948	10673	1.9962
		133.5	8953	10677	1.9700
		137.0	8955	10679	1.9453
		140.5	8957	10682	1.9217
		144.0	8962	10686	1.8993
		147.0	8966	10691	1.8810
		150.5	8971	10695	1.8605
		154.0	8974	10699	1.8409
		157.5	8978	10702	1.8222
		161.0	8980	10705	1.8043*
		164.5	8984	10708	1.7872*
		168.0	8987	10711	1.7708*
		171.0	8989	10713	1.7573*
		174.5	8991	10715	1.7421*
		178.0	8993	10717	1.7275*
		181.5	8996	10721	1.7135*
		185.0	8999	10723	1.7000*
		188.5	9001	10725	1.6870*
		192.0	9003	10728	1.6745*
		195.0	9005	10729	1.6641*
		198.5	9007	10731	1.6524*
		202.0	9009	10733	1.6411*
		205.5	9011	10735	1.6302*
		209.0	9013	10737	1.6196*
		212.5	9014	10739	1.6094*

* VALUES USED FOR EXTRAPOLATIONS

DST#01
PARAMOUNT ET AL CAMERON M-73
1341.19 m to 1377.60 m

p.3e

Location: 400/ 60.025 / 117.292 /00	Recorder Number: 000016
Test Type: DUAL CONVENTIONAL BOTTOM HOLE	Recorder Depth: 1334.00 m
Formation: SLAVE POINT	Subsea Depth: -558.85 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt) /dt kPa	ABSCISSA
		216.0	9016	10741	1.5995*
		219.0	9017	10742	1.5913*
		222.5	9019	10743	1.5820*
		226.0	9021	10745	1.5730*
		229.5	9022	10746	1.5643*
		233.0	9024	10748	1.5558*
		236.5	9025	10749	1.5476*
		240.0	9026	10751	1.5396*
7	END OF 2nd SHUTIN	242.0	9028	10752	1.5351*
14	FINAL HYDROSTATIC			15552	

* VALUES USED FOR EXTRAPOLATIONS

1st SHUT-IN
HORNER EXTRAPOLATION 10900.89 kPa
HORNER SLOPE 1359.43066 kPa/cycle

2nd SHUT-IN
HORNER EXTRAPOLATION 10875.20 kPa
HORNER SLOPE 662.00098 kPa/cycle

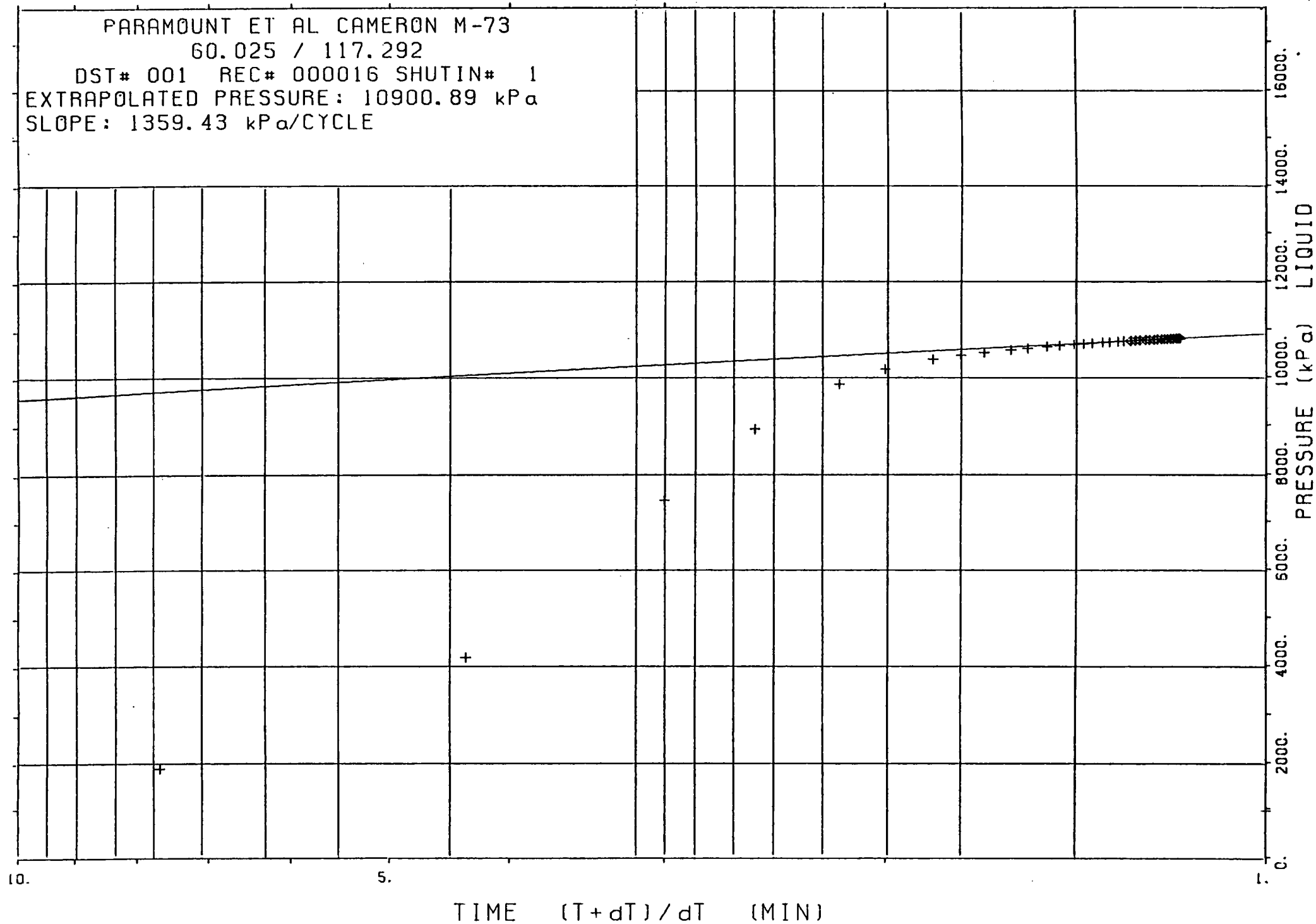
PARAMOUNT ET AL CAMERON M-73

60.025 / 117.292

DST# 001 REC# 000016 SHUTIN# 1

EXTRAPOLATED PRESSURE: 10900.89 kPa

SLOPE: 1359.43 kPa/CYCLE



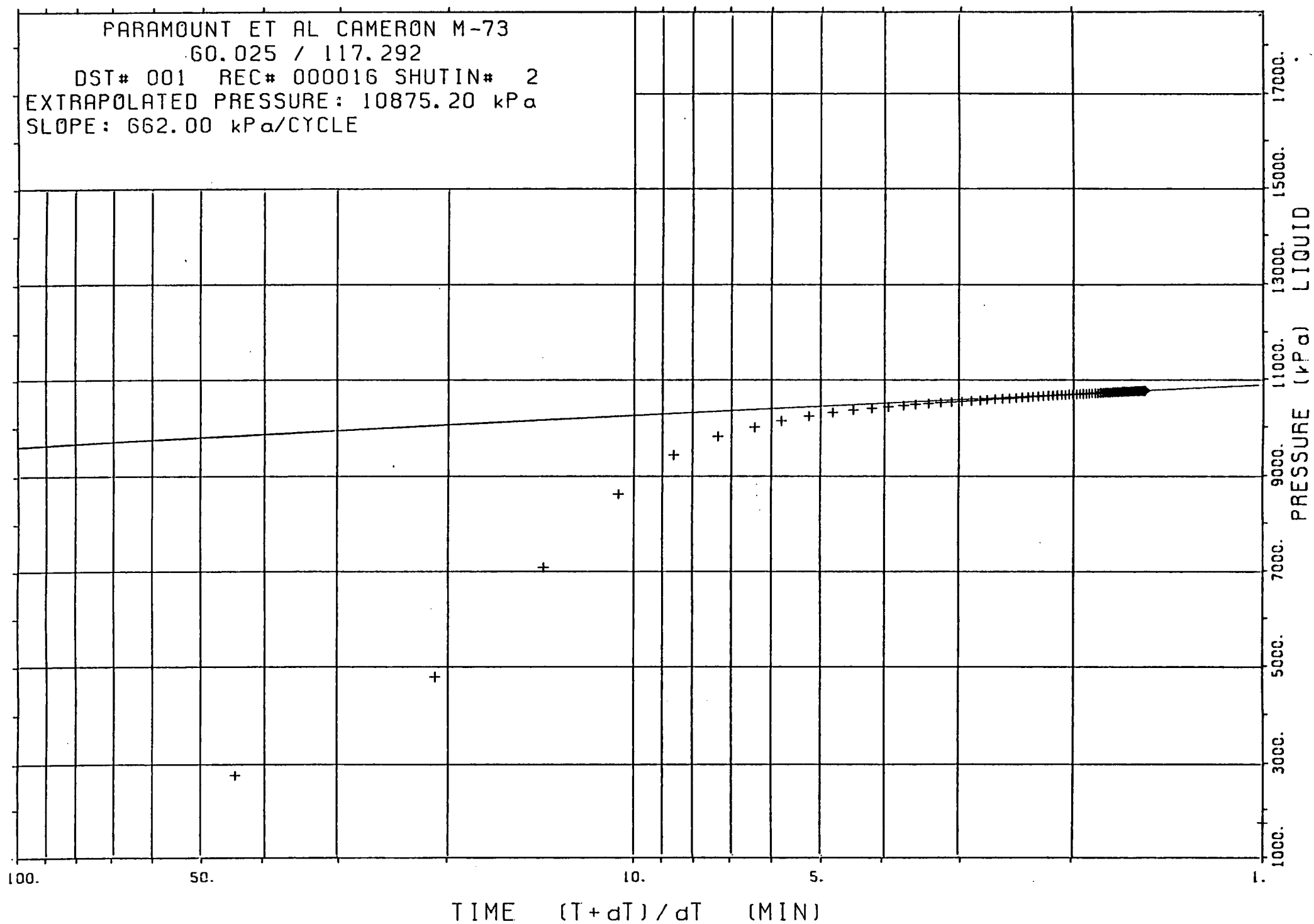
PARAMOUNT ET AL CAMERON M-73

60.025 / 117.292

DST# 001 REC# 000016 SHUTIN# 2

EXTRAPOLATED PRESSURE: 10875.20 kPa

SLOPE: 662.00 kPa/CYCLE



PARAMOUNT ET AL CAMERON M-73

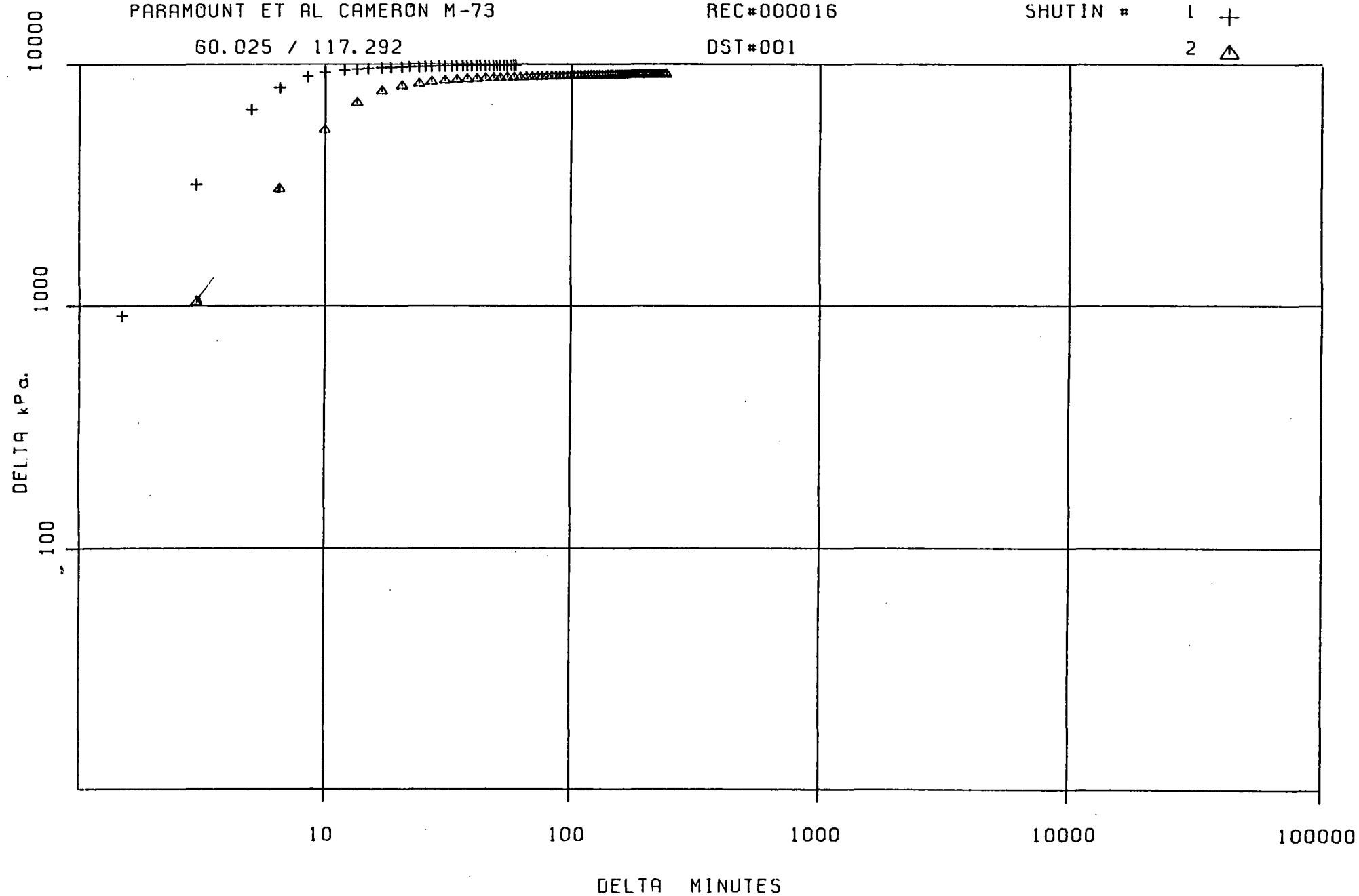
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SHUTIN # 1 +

60.025 / 117.292

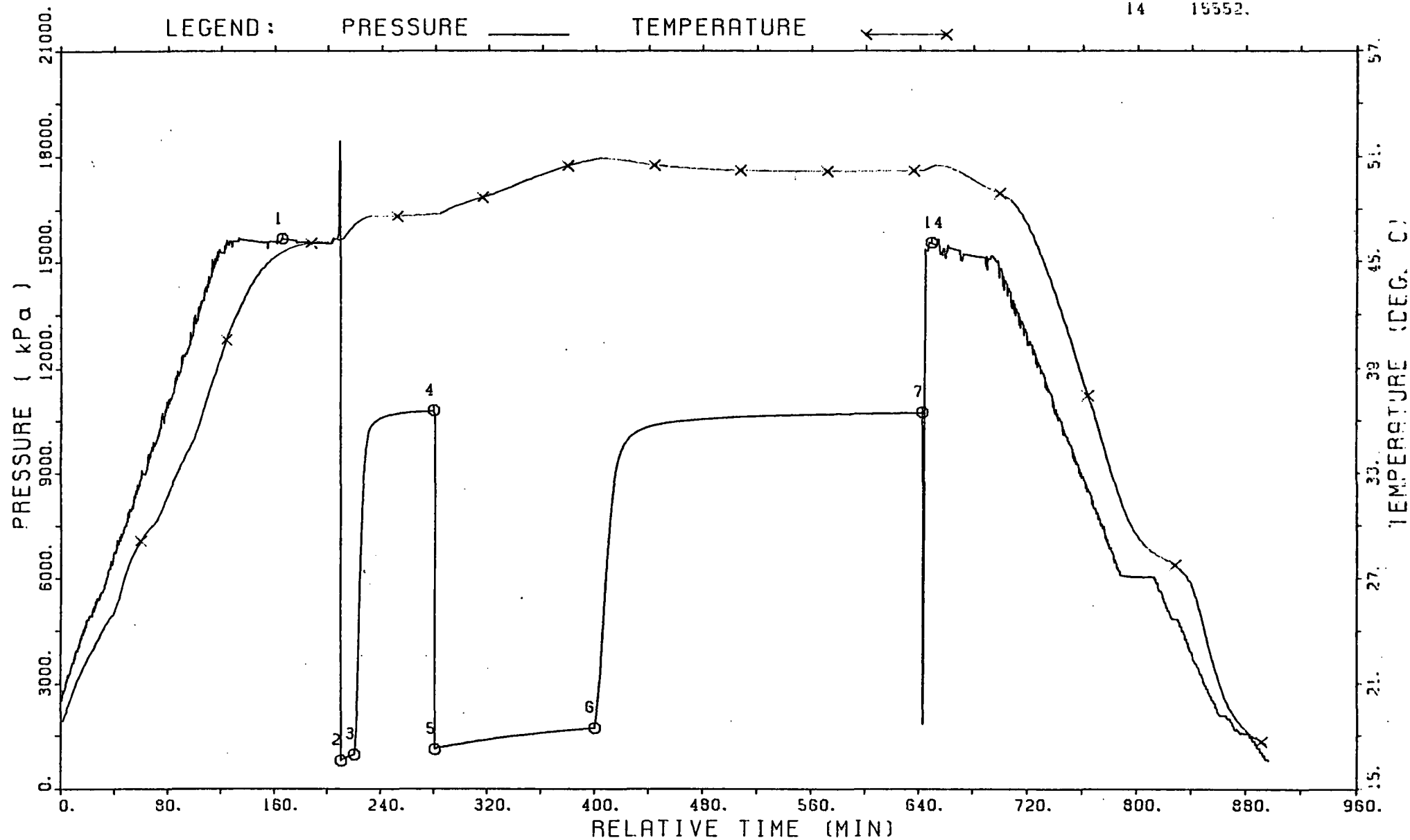
DST#001

2 Δ



PARAMOUNT ET AL CAMERON M-73
 60.025/112.292 DST #1
 ZI ELECTRONIC GAUGE #16

LEGEND: O 1 = 15590. kPa
 2 793.
 3 869.
 4 10808.
 5 1108.
 6 1724.
 7 10752.
 14 15552.



DST#01
PARAMOUNT ET AL CAMERON M-73
1341.19m to 1377.60m

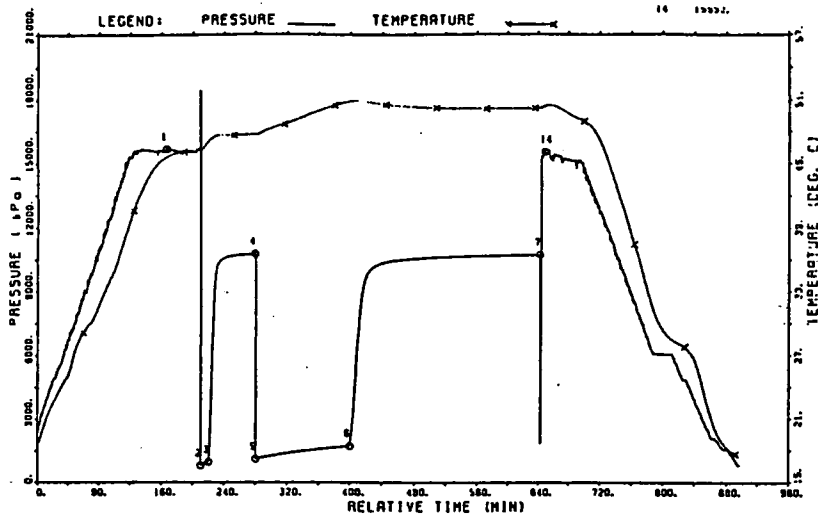
PRESSURE RECORDER NUMBER : 000016

DEPTH : 1334.00m LOCATION : OUTSIDE
TYPE : ZI CAPACITY : 68900.00 kPa

PRESSURE
kPa

***** TEMPERATURE AT RECORDER DEPTH = 50.3 C

- 1) Initial Hydro : 15680.
- 2) 1st Flow Start: 793.
- 3) 1st Flow End : 969.
- 4) END 1st Shutin: 10808.
- 5) 2nd Flow Start: 1108.
- 6) 2nd Flow End : 1724.
- 7) END 2nd Shutin: 10752.
- 14) Final Hydro. : 15552.



ZI ELECTRONIC
GAUGE.

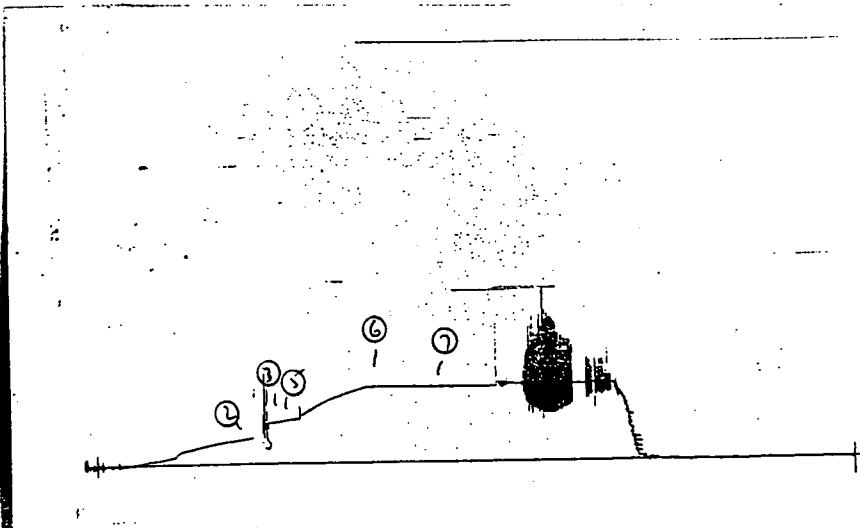
TEST TIMES (MIN)
1st FLOW : 10.0
SHUTIN : 59.0
2nd FLOW : 119.5
SHUTIN : 242.0

PRESSURE RECORDER NUMBER : 012141

DEPTH : 1326.00m LOCATION : INSIDE
TYPE : K-3 CAPACITY : 10300.00 kPa

PRESSURE
kPa

- 1) Initial Hydro :
- 2) 1st Flow Start: 569.
- 3) 1st Flow End : 896.
- 4) END 1st Shutin:
- 5) 2nd Flow Start: 896.
- 6) 2nd Flow End : 1671.
- 7) END 2nd Shutin: 1671.
- 14) Final Hydro. :



ABOVE HYDRAULIC
TOOL.

DST#01
PARAMOUNT ET AL CAMERON M-73
1341.19m to 1377.60m

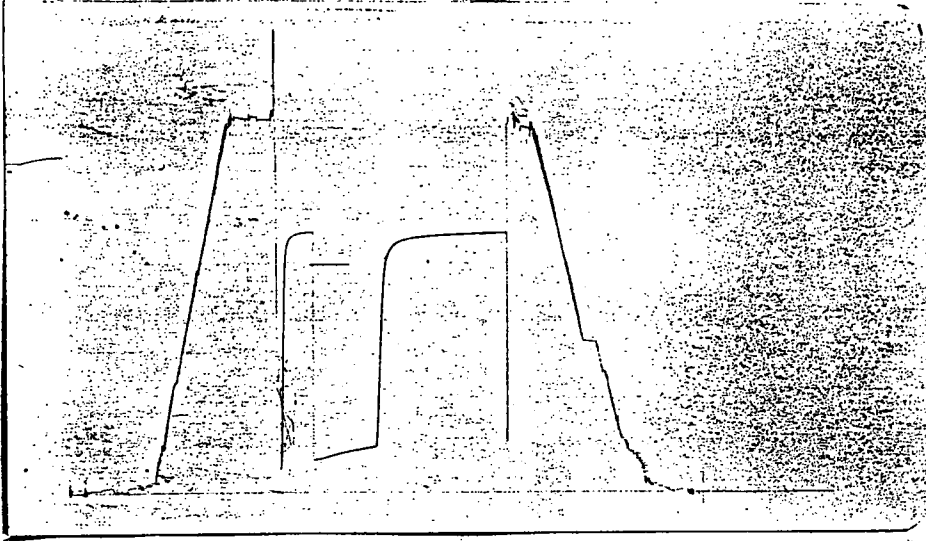
PRESSURE RECORDER NUMBER : 019103

DEPTH : 1347.00m
TYPE : K-3

LOCATION : OUTSIDE
CAPACITY : 20000.00 kPa

PRESSURE
kPa

- 1) Initial Hydro : 15735.
- 2) 1st Flow Start: 890.
- 3) 1st Flow End : 1083.
- 4) END 1st Shutin: 10939.
- 5) 2nd Flow Start: 1190.
- 6) 2nd Flow End : 1793.
- 7) END 2nd Shutin: 10875.
- 14) Final Hydro. : 15572.



TEST TIMES (MIN)

1st FLOW : 10.0
SHUTIN: 59.0
2nd FLOW : 119.5
SHUTIN: 242.0

CANADA OIL AND GAS LANDS
ADMINISTRATION
ADMINISTRATION DU PÉTROLE ET DU
GAZ DES TERRES DU CANADA

FEB 21 1991

ENGINEERING AND CONTROL
BRANCH
TECHNIQUE ET DU CONTRÔLE