

REF#:C-76-921-09000-66

TEST DATE: 91/02/19

PARAMOUNT ET AL SWEDE 60.111/117.395

400/ 60.111 / 117.395 /00

DST#01

1366.00m to 1382.71m

SULPHUR POINT

A-52

DEPTH: 1368.00m

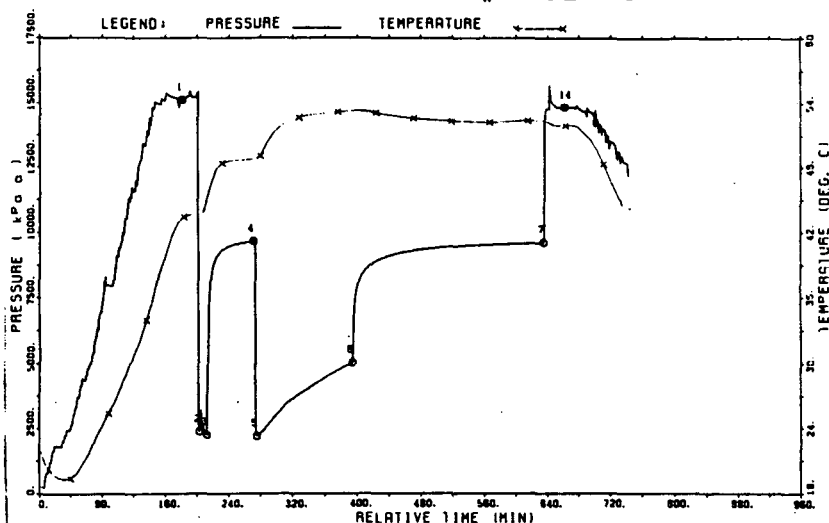
PRESSURE
kPa(a)

- 1) Initial Hydro : 15121.
- 2) 1st Flow Start: 2379.
- 3) 1st Flow End : 2259.
- 4) END 1st Shutin: 9672.
- 5) 2nd Flow Start: 2207.
- 6) 2nd Flow End : 5035.
- 7) END 2nd Shutin: 9621.
- 14) Final Hydro. : 14845.

TEST TIMES(MIN)

1stFLOW : 9.0
SHUTIN: 59.0
2ndFLOW : 119.0
SHUTIN: 241.0

RECORDER # 001714



RECOVERY DATA

TOTAL FLUID RECOVERY OF 563 METERS CONSISTED OF 400 METERS OF BRACKISH GASIFIED H₂S OIL CUT SALT WATER AND 163 METERS OF H₂S CUT SALT WATER. GAS TO SURFACE - TOO SMALL TO MEASURE.

REMARKS AND TEST SUMMARY

Test results indicate a mechanically successful test. Bottom hole pressures and the shape of the shut-in curves suggest RELATIVELY HIGH PERMEABILITY within the interval tested. Minor plugging during the preflow. This did not affect the test results.

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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 SWEDE 60.111/117.395	K.B.Elevation : 697.18m
Location : 400/ 60.111 / 117.395 /00	Grd.Elevation :
Interval : 1366.00m to 1382.71m	TD @ test Date: 1390.00m
Test Date : 91/02/19	Ticket Number : 82804
Test Type : INFLATE STRADDLE	Unit Number : 790204
Formation : SULPHUR POINT	

Started in hole at : 1000 hrs
Tool opened at : 1307 hrs
Reverse circulated?: YES
Contractor & Rig No: COMANCHE #2
BAKER#1 : 1 OF 1 ON THE SAME TRIP.

CUSHION : LIQUID 75.00m

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

Company Rep :
Testers : BOULET L

5 REPORTS(S) TO: PHIL BESLER
Company:

BLOW DESCRIPTION

PREFLOW: Weak air blow increasing to strong in 5 minutes then remaining strong throughout. No gas to surface.
FINAL FLOW: Weak air blow increasing to strong in 2.5 minutes. Gas to surface in 90 minutes - too small to measure.

TOTAL LIQUID RECOVERY : 563.00m

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

Field Est. Salinity : 111500.0g/m3

Btm. Hole Sampler #: 60
Sent to: AGAT

400.00m BRACKISH GASIFIED H2S OIL CUT SALT WATER.
163.00m H2S CUT SALT WATER.

GAS MEASUREMENTS

No Gas Measurements

TOOL SEQUENCE

*****RECORDER SUMMARY*****

SUB	LENGTH (m)
PUMP OUT SUB	.40
CROSS OVER SUB	.30
INSIDE RECORDER	1.38
HYDRAULIC TOOL	1.50
BTM HOLE SAMPLER	1.03
HYDRAULIC JARS	2.01
INSIDE RECORDER	1.38
SAFETY JOINT	.66
INFLATE PUMP	2.38
SCREEN	1.16
TOP INFLATE PACKER	1.69
PACKER STICK DOWN	.90
PORT SUB	.30
OUTSIDE RECORDER	2.06
CROSS OVER SUB	.30
DRILL COLLAR	9.05
BIT SUB	.76
CROSS OVER SUB	.30
SPACING	2.44
PACKER STICK UP	.60
BTM INFLATE PACKER	2.00
BELLY SPRING	1.90

1) NUMBER	: 001714	LYNES ELECTRONIC
TYPE	: DMRB	GAUGE.
LOCATION:	OUTSIDE	
RANGE:	68900.00kPa(a)	
DEPTH	: 1368.00m	
2) NUMBER	: 012705	ABOVE HYDRAULIC
TYPE	: K-3	TOOL.
LOCATION:	INSIDE	
RANGE:	19700.00kPa	
DEPTH	: 1354.00m	
3) NUMBER	: 013832	
TYPE	: K-3	
LOCATION:	OUTSIDE	
RANGE:	19300.00kPa	
DEPTH	: 1368.00m	
4) NUMBER	: 021155	ABOVE INTERVAL.
TYPE	: K-3	
LOCATION:	INSIDE	
RANGE:	21400.00kPa	
DEPTH	: 1358.00m	

***** TOOL TOTAL 34.50

DRILL COLLARS

ID= 70.0mm: 141.21

ID= :

DRILL PIPE

OD=114.0mm: 1215.73

OD= :

COLLAR-PIPE TOTAL 1356.94

STICK UP ABOVE TABLE : 4.83

TOOL ABOVE INTERVAL : 13.89

TOTAL INTERVAL : 16.71

BOTTOM CHOKE SIZE: 25.40 mm

MUD AND HOLE DATA

Calipered Hole Size @ Test Depth:	Water Loss :	8.0cc/s
Hole Condition at Test Time :	Filter Cake:	2.5 mm
Hole Conditioned Prior to Test? : NO		
Mud Weight : 1120.0 kg/m3	Main Hole Size:	222.00mm
Mud Type : GEL CHEMICAL		
Viscosity : 52.0s/l	Temperature @1368.00m	= 53.1C

DST#01
PARAMOUNT ET AL SWEDE 60.111/117.395
1366.00 m to 1382.71 m

p.3

Location: 400/ 60.111 / 117.395 /00
Test Type: INFLATE STRADDLE
Formation: SULPHUR POINT

Recorder Number: 001714
Recorder Depth: 1368.00 m
Subsea Depth: -670.82 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt)/dt kPa(a)	ABSCISSA
1	INITIAL HYDROSTATIC			15121	
2	START OF 1st FLOW	0.0		2379	
		1.0		2759	
		2.0		3190	
		3.0		2535	
		4.0		2741	
		6.0		2397	
		7.0		2293	
		8.0		2259	
3	END OF 1st FLOW	9.0		2259	
	1st SHUTIN PERIOD	0.0		2259	
		2.0	3724	5983	5.5000
		5.0	5897	8155	2.8000
		7.0	6328	8586	2.2857
		9.0	6569	8828	2.0000
		11.0	6741	9000	1.8182
		14.0	6897	9155	1.6429
		16.0	6983	9241	1.5625
		18.0	7035	9293	1.5000
		21.0	7104	9362	1.4286
		23.0	7138	9397	1.3913
		25.0	7172	9431	1.3600
		27.0	7207	9466	1.3333*
		30.0	7241	9500	1.3000*
		32.0	7259	9517	1.2813*
		34.0	7276	9535	1.2647*
		37.0	7310	9569	1.2432*
		39.0	7310	9569	1.2308*
		41.0	7328	9586	1.2195*
		43.0	7345	9603	1.2093*
		46.0	7345	9603	1.1957*
		48.0	7362	9621	1.1875*

* VALUES USED FOR EXTRAPOLATIONS

DST#01
PARAMOUNT ET AL SWEDE 60.111/117.395
1366.00 m to 1382.71 m

p.3a

Location: 400/ 60.111 / 117.395 /00
Test Type: INFLATE STRADDLE
Formation: SULPHUR POINT

Recorder Number: 001714
Recorder Depth: 1368.00 m
Subsea Depth: -670.82 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt) /dt kPa(a)	ABSCISSA
		50.0	7379	9638	1.1800*
		53.0	7379	9638	1.1698*
		55.0	7379	9638	1.1636*
		57.0	7397	9655	1.1579*
4	END OF 1st SHUTIN	59.0	7414	9672	1.1525*
5	START OF 2nd FLOW	0.0		2207	
		3.0		2259	
		7.0		2362	
		10.0		2466	
		14.0		2621	
		17.0		2741	
		20.0		2845	
		24.0		2983	
		27.0		3086	
		31.0		3224	
		34.0		3328	
		38.0		3466	
		41.0		3552	
		44.0		3621	
		48.0		3707	
		51.0		3776	
		55.0		3862	
		58.0		3914	
		62.0		4000	
		65.0		4052	
		68.0		4121	
		72.0		4190	
		75.0		4259	
		79.0		4345	
		82.0		4397	
		86.0		4483	
		89.0		4535	
		92.0		4586	
		96.0		4655	

* VALUES USED FOR EXTRAPOLATIONS

DST#01
PARAMOUNT ET AL SWEDE 60.111/117.395
1366.00 m to 1382.71 m

p.3b

Location: 400/ 60.111 / 117.395 /00
Test Type: INFLATE STRADDLE
Formation: SULPHUR POINT

Recorder Number: 001714
Recorder Depth: 1368.00 m
Subsea Depth: -670.82 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt)/dt kPa(a)	ABSCISSA
		99.0		4707	
		103.0		4776	
		106.0		4828	
		110.0		4897	
		113.0		4931	
		116.0		4983	
6	END OF 2nd FLOW	119.0		5035	
	2nd SHUTIN PERIOD	0.0		5035	
		4.0	2431	7466	33.0000
		9.0	3155	8190	15.2222
		13.0	3397	8431	10.8462
		18.0	3603	8638	8.1111
		23.0	3741	8776	6.5652
		27.0	3828	8862	5.7407
		32.0	3914	8948	5.0000
		36.0	3966	9000	4.5556
		41.0	4017	9052	4.1220
		45.0	4069	9103	3.8444
		50.0	4103	9138	3.5600
		55.0	4155	9190	3.3273
		59.0	4172	9207	3.1695
		64.0	4207	9241	3.0000
		68.0	4224	9259	2.8824
		73.0	4259	9293	2.7534
		77.0	4276	9310	2.6623
		82.0	4293	9328	2.5610
		87.0	4310	9345	2.4713
		91.0	4328	9362	2.4066
		96.0	4345	9379	2.3333
		100.0	4362	9397	2.2800
		105.0	4379	9414	2.2190
		109.0	4379	9414	2.1743*
		114.0	4397	9431	2.1228*
		119.0	4414	9448	2.0756*

* VALUES USED FOR EXTRAPOLATIONS

DST#01
PARAMOUNT ET AL SWEDE 60.111/117.395
1366.00 m to 1382.71 m

p.3c

Location: 400/ 60.111 / 117.395 /00
Test Type: INFLATE STRADDLE
Formation: SULPHUR POINT

Recorder Number: 001714
Recorder Depth: 1368.00 m
Subsea Depth: -670.82 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt) /dt kPa(a)	ABSCISSA
		123.0	4414	9448	2.0407*
		128.0	4431	9466	2.0000*
		132.0	4431	9466	1.9697*
		137.0	4448	9483	1.9343*
		141.0	4448	9483	1.9078*
		146.0	4466	9500	1.8767*
		151.0	4466	9500	1.8477*
		155.0	4483	9517	1.8258*
		160.0	4483	9517	1.8000*
		164.0	4500	9535	1.7805*
		169.0	4500	9535	1.7574*
		173.0	4500	9535	1.7399*
		178.0	4517	9552	1.7191*
		183.0	4517	9552	1.6995*
		187.0	4517	9552	1.6845*
		192.0	4535	9569	1.6667*
		196.0	4535	9569	1.6531*
		201.0	4535	9569	1.6368*
		205.0	4535	9569	1.6244*
		210.0	4535	9569	1.6095*
		215.0	4552	9586	1.5953*
		219.0	4552	9586	1.5845*
		224.0	4552	9586	1.5714*
		228.0	4569	9603	1.5614*
		233.0	4569	9603	1.5494*
		237.0	4569	9603	1.5401*
7	END OF 2nd SHUTIN	241.0	4586	9621	1.5311*
14	FINAL HYDROSTATIC			14845	

* VALUES USED FOR EXTRAPOLATIONS

DST#01
PARAMOUNT ET AL SWEDE 60.111/117.395
1366.00 m to 1382.71 m

p.3d

Location: 400/ 60.111 / 117.395 /00
Test Type: INFLATE STRADDLE
Formation: SULPHUR POINT

Recorder Number: 001714
Recorder Depth: 1368.00 m
Subsea Depth: -670.82 m

1st SHUT-IN

HORNER EXTRAPOLATION 9853.44 kPa(a)
HORNER SLOPE 3105.23291 kPa/cycle

2nd SHUT-IN

HORNER EXTRAPOLATION 9840.71 kPa(a)
HORNER SLOPE 1256.73096 kPa/cycle

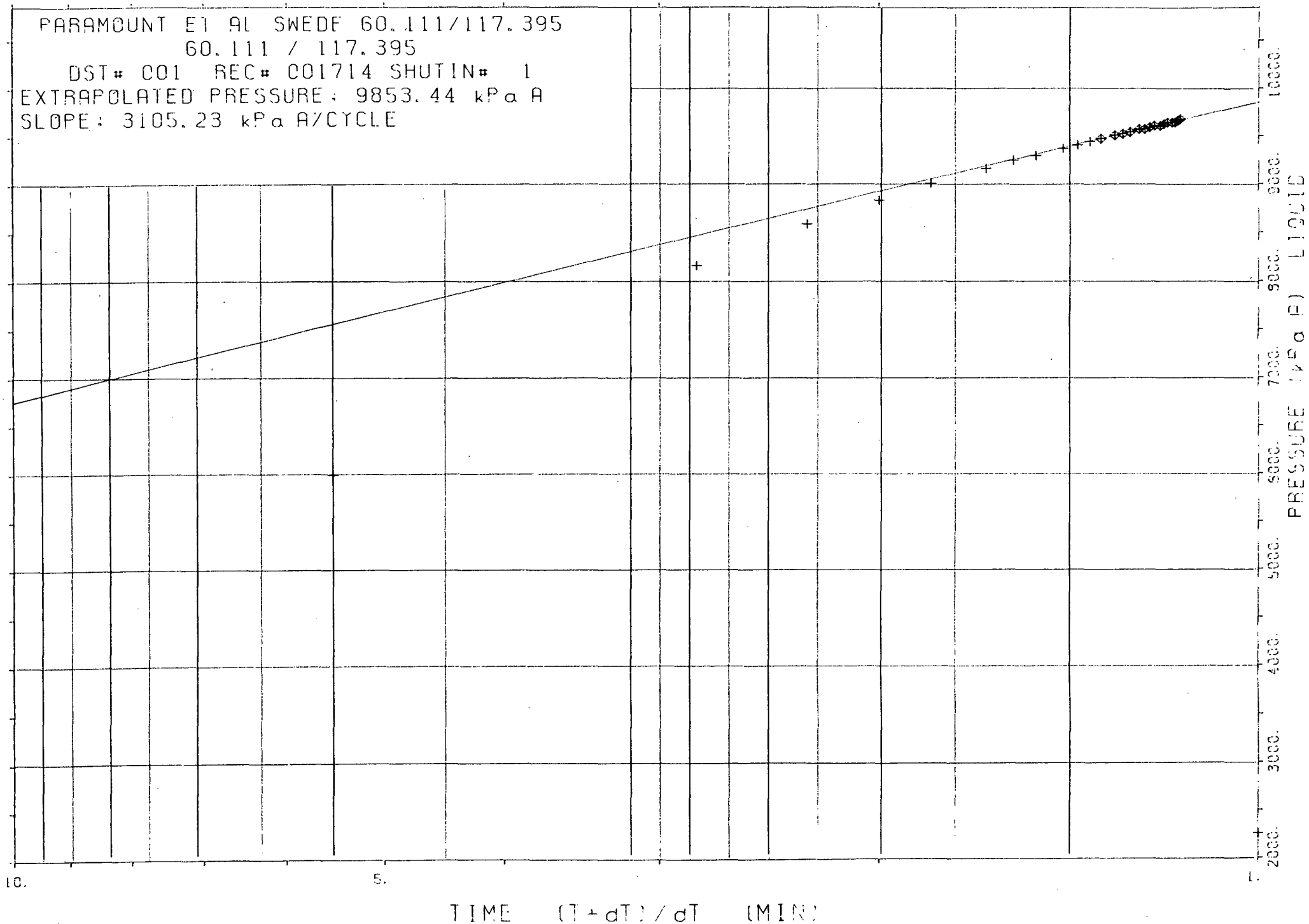
PARAMOUNT E1 AL SWEDF 60.111/117.395

60.111 / 117.395

DST# C01 REC# C01714 SHUTIN# 1

EXTRAPOLATED PRESSURE: 9853.44 kPa A

SLOPE: 3105.23 kPa A/CYCLE



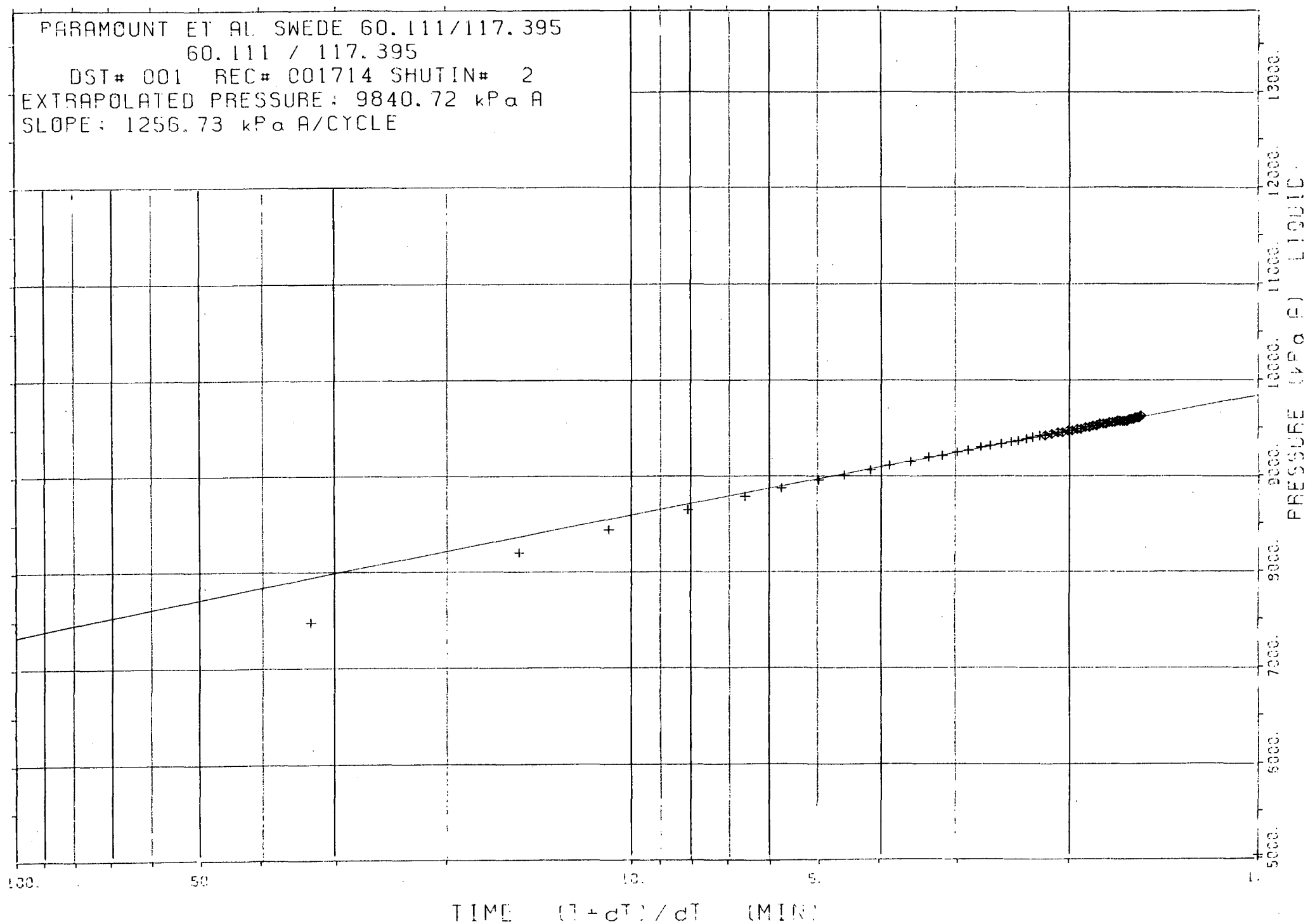
PARAMOUNT ET AL. SWEDE 60.111/117.395

60.111 / 117.395

DST# 001 REC# 001714 SHUTIN# 2

EXTRAPOLATED PRESSURE: 9840.72 kPa A

SLOPE: 1256.73 kPa A/CYCLE



PARAMOUNT ET AL. SWED. 60.111/117.395

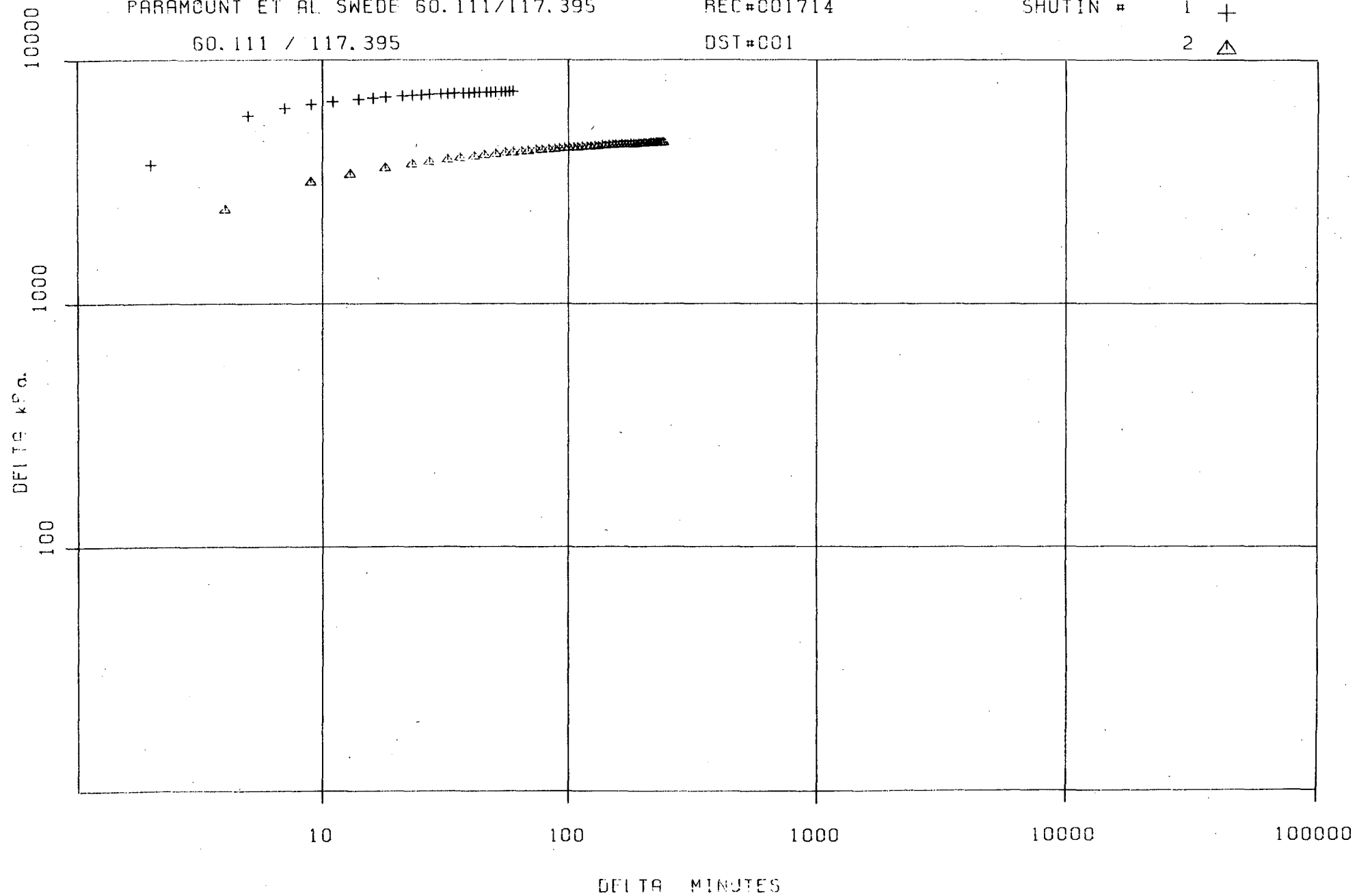
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SHUTIN # 1 +

60.111 / 117.395

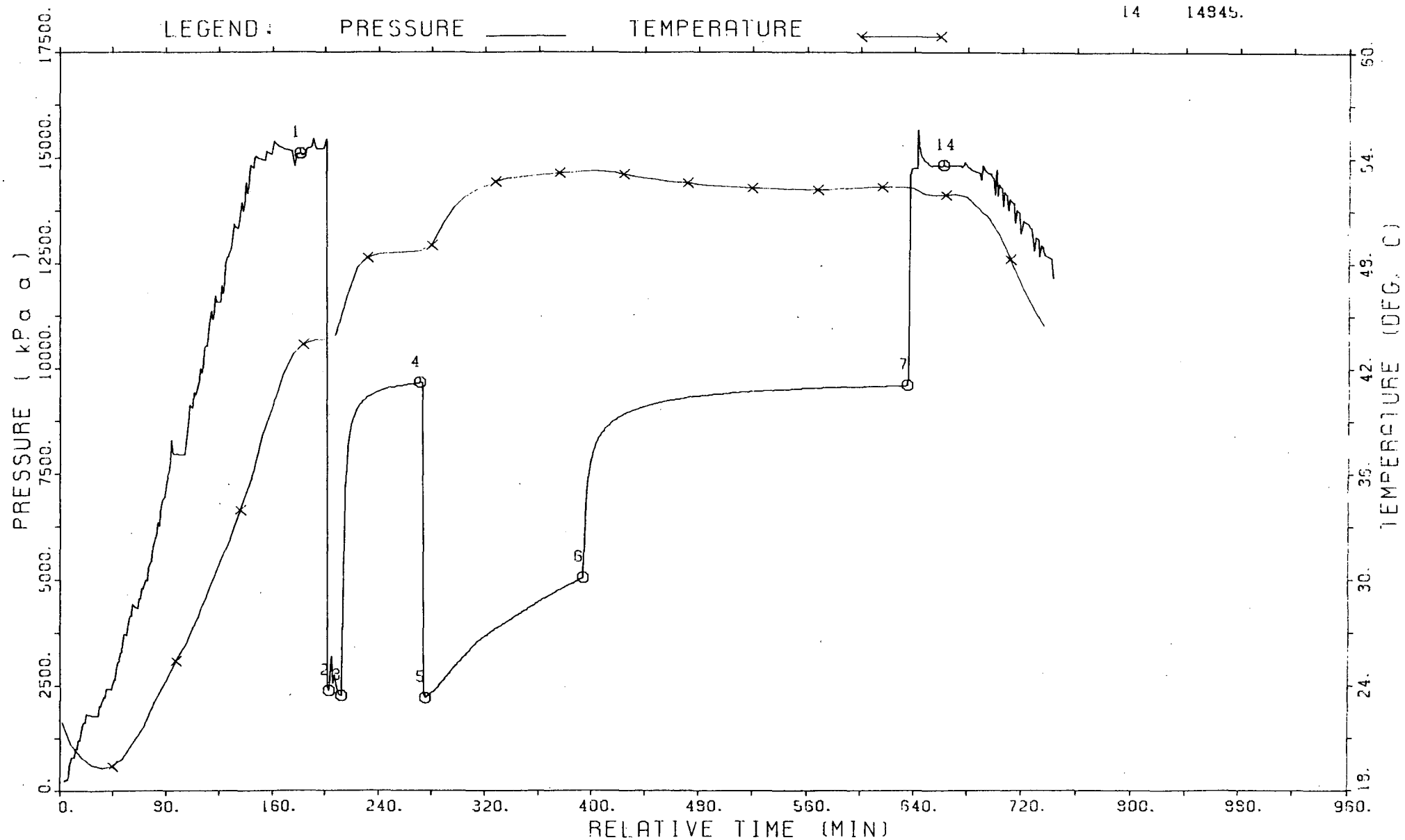
DST#001

2 Δ



PARAMOUNT E1 AL. SWEDF A-52
 60.111/117.395 DST #1
 ELECTRONIC GAUGE #1714

LEGEND: ○ 1 = 15121. kPa(a)
 2 2379.
 3 2259.
 4 9572.
 5 2207.
 6 5035.
 7 9521.
 14 14945.



DST#01
PARAMOUNT ET AL SWEDE 60.111/117.395
1366.00m to 1382.71m

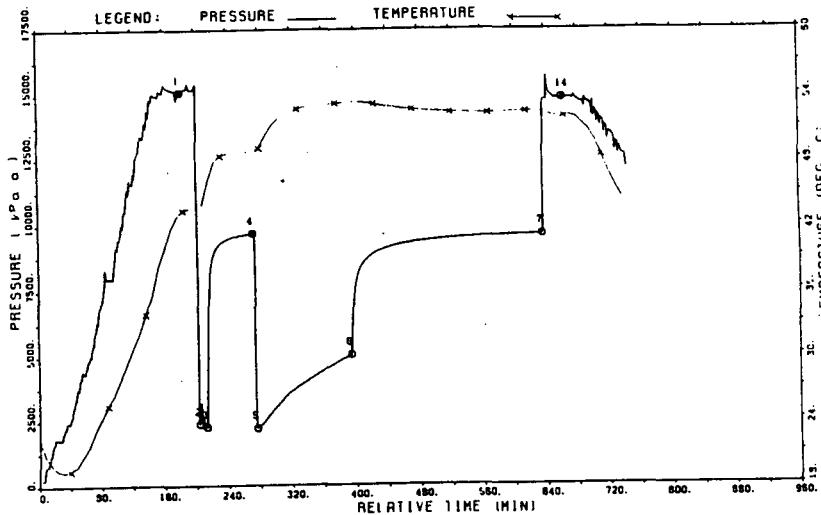
PRESSURE RECORDER NUMBER : 001714

DEPTH : 1368.00m LOCATION : OUTSIDE
TYPE : DMRB CAPACITY : 68900.00kPa(a)

PRESSURE
kPa(a)

***** TEMPERATURE AT RECORDER DEPTH = 53.1 C

- 1)Initial Hydro :15121.
- 2)1st Flow Start: 2379.
- 3)1st Flow End : 2259.
- 4)END 1st Shutin: 9672.
- 5)2nd Flow Start: 2207.
- 6)2nd Flow End : 5035.
- 7)END 2nd Shutin: 9621.
- 14)Final Hydro. :14845.



LYNES ELECTRONIC
GAUGE.

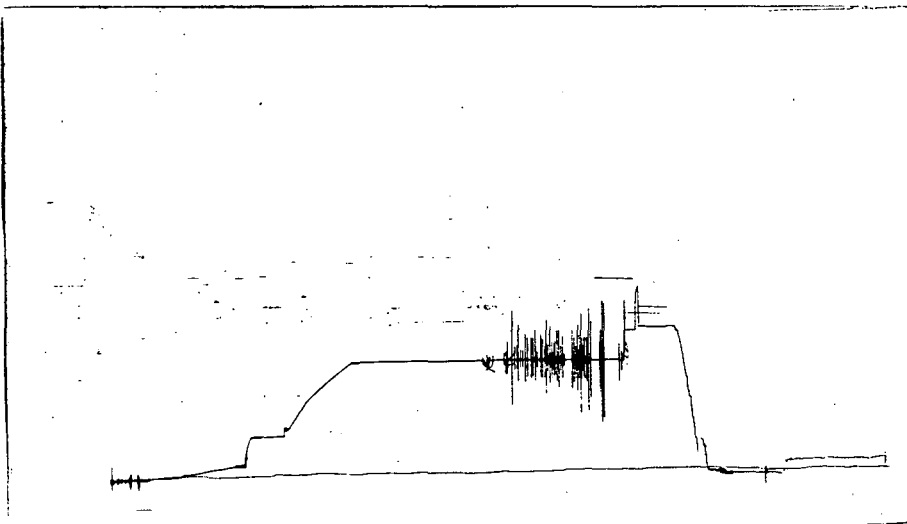
TEST TIMES (MIN)
1st FLOW : 9.0
SHUTIN: 59.0
2nd FLOW : 119.0
SHUTIN: 241.0

PRESSURE RECORDER NUMBER : 012705

DEPTH : 1354.00m LOCATION : INSIDE
TYPE : K-3 CAPACITY : 19700.00 kPa

PRESSURE
kPa

- 1)Initial Hydro :
- 2)1st Flow Start: 559.
- 3)1st Flow End : 1741.
- 4)END 1st Shutin:
- 5)2nd Flow Start: 1752.
- 6)2nd Flow End : 4785.
- 7)END 2nd Shutin: 4785.
- 14)Final Hydro. :



ABOVE HYDRAULIC
TOOL.

DST#01
PARAMOUNT ET AL SWEDE 60.111/117.395
1366.00m to 1382.71m

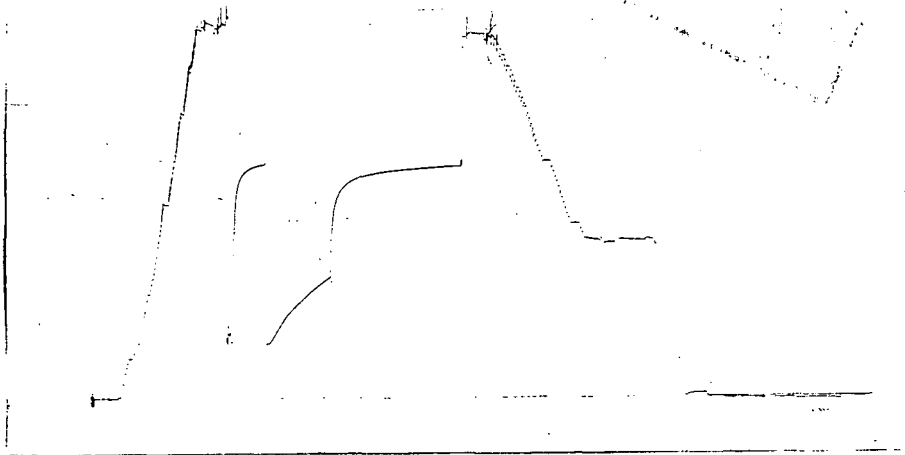
PRESSURE RECORDER NUMBER : 013832

DEPTH : 1368.00m
TYPE : K-3

LOCATION : OUTSIDE
CAPACITY : 19300.00 kPa

PRESSURE
kPa

- 1) Initial Hydro : 15007.
- 2) 1st Flow Start: 2141.
- 3) 1st Flow End : 2213.
- 4) END 1st Shutin: 9589.
- 5) 2nd Flow Start: 2239.
- 6) 2nd Flow End : 4968.
- 7) END 2nd Shutin: 9531.
- 14) Final Hydro. : 14762.



TEST TIMES(MIN)
1st FLOW : 9.0
SHUTIN: 59.0
2nd FLOW : 119.0
SHUTIN: 241.0

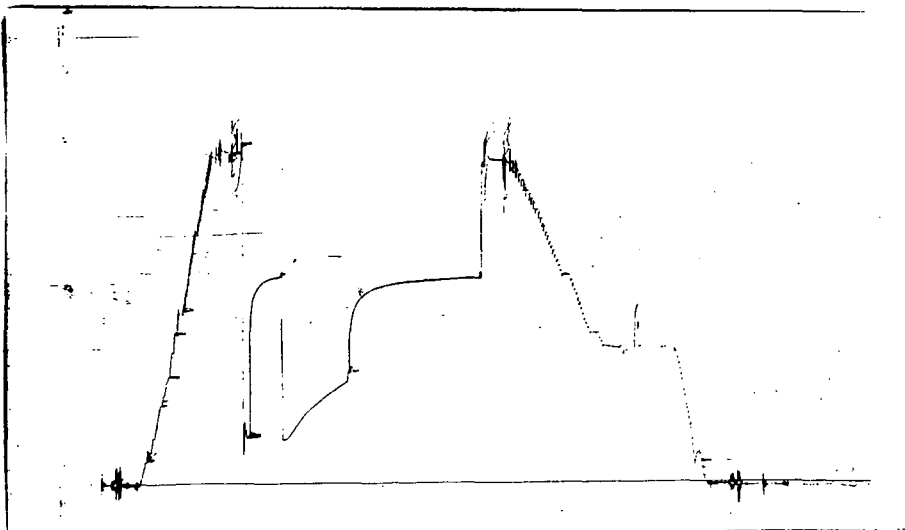
PRESSURE RECORDER NUMBER : 021155

DEPTH : 1358.00m
TYPE : K-3

LOCATION : INSIDE
CAPACITY : 21400.00 kPa

PRESSURE
kPa

- 1) Initial Hydro : 14927.
- 2) 1st Flow Start: 1663.
- 3) 1st Flow End : 2144.
- 4) END 1st Shutin: 9362.
- 5) 2nd Flow Start: 2082.
- 6) 2nd Flow End : 4809.
- 7) END 2nd Shutin: 9326.
- 14) Final Hydro. : 14682.



ABOVE INTERVAL.

CANADA OIL AND GAS LANDS
ADMINISTRATION
ADMINISTRATION DU PÉTROLE ET DU
GAZ DES TERRES DU CANADA
FEB 28 1991
ENGINEERING AND CONTROL
BRANCH
TECHNIQUE ET DU CONTRÔLE

REF#:C-76-921-09000-66

CALGARY COPY

TEST DATE: 91/02/19

PARAMOUNT ET AL SWEDE 60.111/117.395

400/ 60.111 / 117.395 /00

DST#01

1366.00m to 1382.71m

SULPHUR POINT

DEPTH: 1368.00m

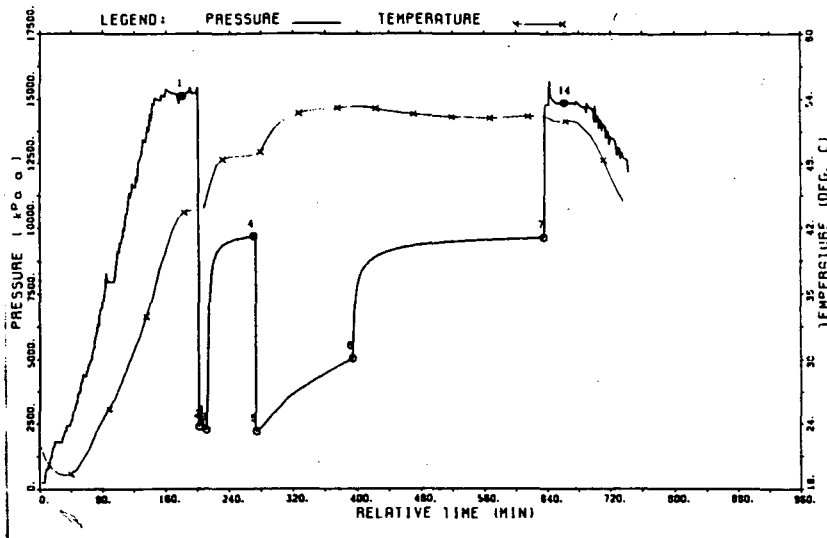
PRESSURE
kPa(a)

- 1) Initial Hydro : 15121.
- 2) 1st Flow Start: 2379.
- 3) 1st Flow End : 2259.
- 4) END 1st Shutin: 9672.
- 5) 2nd Flow Start: 2207.
- 6) 2nd Flow End : 5035.
- 7) END 2nd Shutin: 9621.
- 14) Final Hydro. : 14845.

TEST TIMES(MIN)

1stFLOW : 9.0
SHUTIN: 59.0
2ndFLOW : 119.0
SHUTIN: 241.0

RECORDER # 001714



RECOVERY DATA

TOTAL FLUID RECOVERY OF 563 METERS CONSISTED OF 400 METERS OF BRACKISH GASIFIED H₂S OIL CUT SALT WATER AND 163 METERS OF H₂S CUT SALT WATER. GAS TO SURFACE - TOO SMALL TO MEASURE.

REMARKS AND TEST SUMMARY

Test results indicate a mechanically successful test. Bottom hole pressures and the shape of the shut-in curves suggest RELATIVELY HIGH PERMEABILITY within the interval tested. Minor plugging during the preflow. This did not affect the test results.

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Blow Description	Recorder Summary	-TIME	Reservoir Calculations
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Gas Measurements			-Results

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

BAKER OIL TOOLS CANADA
DST#01 REPORT

p.1

Well name : PARAMOUNT ET AL SWEDE 60.111/117.395 K.B.Elevation : 697.18m
Location : 400/ 60.111 / 117.395 /00 Grd.Elevation :
Interval : 1366.00m to 1382.71m TD @ test Date: 1390.00m
Test Date : 91/02/19 Ticket Number : 82804
Test Type : INFLATE STRADDLE Unit Number : 790204
Formation : SULPHUR POINT

Started in hole at : 1000 hrs
Tool opened at : 1307 hrs
Reverse circulated?: YES
Contractor & Rig No: COMANCHE #2
BAKER#1 : 1 OF 1 ON THE SAME TRIP.

CUSHION : LIQUID 75.00m

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

Company Rep :
Testers : BOULET L

5 REPORTS(S) TO: PHIL BESLER
Company:

BLOW DESCRIPTION

PREFLOW: Weak air blow increasing to strong in 5 minutes then remaining strong throughout. No gas to surface.

FINAL FLOW: Weak air blow increasing to strong in 2.5 minutes. Gas to surface in 90 minutes - too small to measure.

TOTAL LIQUID RECOVERY : 563.00m

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

Field Est. Salinity : 111500.0g/m3

Btm. Hole Sampler #: 60
Sent to: AGAT

400.00m BRACKISH GASIFIED H2S OIL CUT SALT WATER.
163.00m H2S CUT SALT WATER.

GAS MEASUREMENTS

No Gas Measurements

TOOL SEQUENCE

RECORDER SUMMARY

SUB	LENGTH (m)
PUMP OUT SUB	.40
CROSS OVER SUB	.30
INSIDE RECORDER	1.38
HYDRAULIC TOOL	1.50
BTM HOLE SAMPLER	1.03
HYDRAULIC JARS	2.01
INSIDE RECORDER	1.38
SAFETY JOINT	.66
INFLATE PUMP	2.38
SCREEN	1.16
TOP INFLATE PACKER	1.69
PACKER STICK DOWN	.90
PORT SUB	.30
OUTSIDE RECORDER	2.06
CROSS OVER SUB	.30
DRILL COLLAR	9.05
BIT SUB	.76
CROSS OVER SUB	.30
SPACING	2.44
PACKER STICK UP	.60
BTM INFLATE PACKER	2.00
BELLY SPRING	1.90

1) NUMBER : 001714	LYNES ELECTRONIC
TYPE : DMRB	GAUGE.
LOCATION: OUTSIDE	
RANGE: 68900.00kPa(a)	
DEPTH : 1368.00m	
2) NUMBER : 012705	ABOVE HYDRAULIC
TYPE : K-3	TOOL.
LOCATION: INSIDE	
RANGE: 19700.00kPa	
DEPTH : 1354.00m	
3) NUMBER : 013832	
TYPE : K-3	
LOCATION: OUTSIDE	
RANGE: 19300.00kPa	
DEPTH : 1368.00m	
4) NUMBER : 021155	ABOVE INTERVAL.
TYPE : K-3	
LOCATION: INSIDE	
RANGE: 21400.00kPa	
DEPTH : 1358.00m	

***** TOOL TOTAL 34.50

DRILL COLLARS

ID= 70.0mm: 141.21

ID= :

DRILL PIPE

OD=114.0mm: 1215.73

OD= :

COLLAR-PIPE TOTAL 1356.94

STICK UP ABOVE TABLE : 4.83

TOOL ABOVE INTERVAL : 13.89

TOTAL INTERVAL : 16.71

BOTTOM CHOKE SIZE: 25.40 mm

MUD AND HOLE DATA

Calipered Hole Size @ Test Depth:	Water Loss : 8.0cc/s
Hole Condition at Test Time :	Filter Cake: 2.5 mm
Hole Conditioned Prior to Test? : NO	
Mud Weight : 1120.0 kg/m3	Main Hole Size: 222.00mm
Mud Type : GEL CHEMICAL	
Viscosity : 52.0s/l	Temperature @1368.00m = 53.1C

DST#01
PARAMOUNT ET AL SWEDE 60.111/117.395
1366.00 m to 1382.71 m

p.3

Location: 400/ 60.111 / 117.395 /00
Test Type: INFLATE STRADDLE
Formation: SULPHUR POINT

Recorder Number: 001714
Recorder Depth: 1368.00 m
Subsea Depth: -670.82 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt)/dt kPa(a)	ABSCISSA
1	INITIAL HYDROSTATIC			15121	
2	START OF 1st FLOW	0.0		2379	
		1.0		2759	
		2.0		3190	
		3.0		2535	
		4.0		2741	
		6.0		2397	
		7.0		2293	
		8.0		2259	
3	END OF 1st FLOW	9.0		2259	
	1st SHUTIN PERIOD	0.0		2259	
		2.0	3724	5983	5.5000
		5.0	5897	8155	2.8000
		7.0	6328	8586	2.2857
		9.0	6569	8828	2.0000
		11.0	6741	9000	1.8182
		14.0	6897	9155	1.6429
		16.0	6983	9241	1.5625
		18.0	7035	9293	1.5000
		21.0	7104	9362	1.4286
		23.0	7138	9397	1.3913
		25.0	7172	9431	1.3600
		27.0	7207	9466	1.3333*
		30.0	7241	9500	1.3000*
		32.0	7259	9517	1.2813*
		34.0	7276	9535	1.2647*
		37.0	7310	9569	1.2432*
		39.0	7310	9569	1.2308*
		41.0	7328	9586	1.2195*
		43.0	7345	9603	1.2093*
		46.0	7345	9603	1.1957*
		48.0	7362	9621	1.1875*

* VALUES USED FOR EXTRAPOLATIONS

DST#01
PARAMOUNT ET AL SWEDE 60.111/117.395
1366.00 m to 1382.71 m

p.3a

Location: 400/ 60.111 / 117.395 /00
Test Type: INFLATE STRADDLE
Formation: SULPHUR POINT

Recorder Number: 001714
Recorder Depth: 1368.00 m
Subsea Depth: -670.82 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt)/dt kPa(a)	ABSCISSA
		50.0	7379	9638	1.1800*
		53.0	7379	9638	1.1698*
		55.0	7379	9638	1.1636*
		57.0	7397	9655	1.1579*
4	END OF 1st SHUTIN	59.0	7414	9672	1.1525*
5	START OF 2nd FLOW	0.0		2207	
		3.0		2259	
		7.0		2362	
		10.0		2466	
		14.0		2621	
		17.0		2741	
		20.0		2845	
		24.0		2983	
		27.0		3086	
		31.0		3224	
		34.0		3328	
		38.0		3466	
		41.0		3552	
		44.0		3621	
		48.0		3707	
		51.0		3776	
		55.0		3862	
		58.0		3914	
		62.0		4000	
		65.0		4052	
		68.0		4121	
		72.0		4190	
		75.0		4259	
		79.0		4345	
		82.0		4397	
		86.0		4483	
		89.0		4535	
		92.0		4586	
		96.0		4655	

* VALUES USED FOR EXTRAPOLATIONS

DST#01
PARAMOUNT ET AL SWEDE 60.111/117.395
1366.00 m to 1382.71 m

p.3b

Location: 400/ 60.111 / 117.395 /00
Test Type: INFLATE STRADDLE
Formation: SULPHUR POINT

Recorder Number: 001714
Recorder Depth: 1368.00 m
Subsea Depth: -670.82 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt) /dt kPa (a)	ABSCISSA
		99.0		4707	
		103.0		4776	
		106.0		4828	
		110.0		4897	
		113.0		4931	
		116.0		4983	
6	END OF 2nd FLOW	119.0		5035	
	2nd SHUTIN PERIOD	0.0		5035	
		4.0	2431	7466	33.0000
		9.0	3155	8190	15.2222
		13.0	3397	8431	10.8462
		18.0	3603	8638	8.1111
		23.0	3741	8776	6.5652
		27.0	3828	8862	5.7407
		32.0	3914	8948	5.0000
		36.0	3966	9000	4.5556
		41.0	4017	9052	4.1220
		45.0	4069	9103	3.8444
		50.0	4103	9138	3.5600
		55.0	4155	9190	3.3273
		59.0	4172	9207	3.1695
		64.0	4207	9241	3.0000
		68.0	4224	9259	2.8824
		73.0	4259	9293	2.7534
		77.0	4276	9310	2.6623
		82.0	4293	9328	2.5610
		87.0	4310	9345	2.4713
		91.0	4328	9362	2.4066
		96.0	4345	9379	2.3333
		100.0	4362	9397	2.2800
		105.0	4379	9414	2.2190
		109.0	4379	9414	2.1743*
		114.0	4397	9431	2.1228*
		119.0	4414	9448	2.0756*

* VALUES USED FOR EXTRAPOLATIONS

DST#01
PARAMOUNT ET AL SWEDE 60.111/117.395
1366.00 m to 1382.71 m

p.3c

Location: 400/ 60.111 / 117.395 /00
Test Type: INFLATE STRADDLE
Formation: SULPHUR POINT

Recorder Number: 001714
Recorder Depth: 1368.00 m
Subsea Depth: -670.82 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt)/dt kPa(a)	ABSCISSA
		123.0	4414	9448	2.0407*
		128.0	4431	9466	2.0000*
		132.0	4431	9466	1.9697*
		137.0	4448	9483	1.9343*
		141.0	4448	9483	1.9078*
		146.0	4466	9500	1.8767*
		151.0	4466	9500	1.8477*
		155.0	4483	9517	1.8258*
		160.0	4483	9517	1.8000*
		164.0	4500	9535	1.7805*
		169.0	4500	9535	1.7574*
		173.0	4500	9535	1.7399*
		178.0	4517	9552	1.7191*
		183.0	4517	9552	1.6995*
		187.0	4517	9552	1.6845*
		192.0	4535	9569	1.6667*
		196.0	4535	9569	1.6531*
		201.0	4535	9569	1.6368*
		205.0	4535	9569	1.6244*
		210.0	4535	9569	1.6095*
		215.0	4552	9586	1.5953*
		219.0	4552	9586	1.5845*
		224.0	4552	9586	1.5714*
		228.0	4569	9603	1.5614*
		233.0	4569	9603	1.5494*
		237.0	4569	9603	1.5401*
7	END OF 2nd SHUTIN	241.0	4586	9621	1.5311*
14	FINAL HYDROSTATIC			14845	

* VALUES USED FOR EXTRAPOLATIONS

DST#01
PARAMOUNT ET AL SWEDE 60.111/117.395
1366.00 m to 1382.71 m

p.3d

Location: 400/ 60.111 / 117.395 /00
Test Type: INFLATE STRADDLE
Formation: SULPHUR POINT

Recorder Number: 001714
Recorder Depth: 1368.00 m
Subsea Depth: -670.82 m

1st SHUT-IN

HORNER EXTRAPOLATION 9853.44 kPa(a)
HORNER SLOPE 3105.23291 kPa/cycle

2nd SHUT-IN

HORNER EXTRAPOLATION 9840.71 kPa(a)
HORNER SLOPE 1256.73096 kPa/cycle

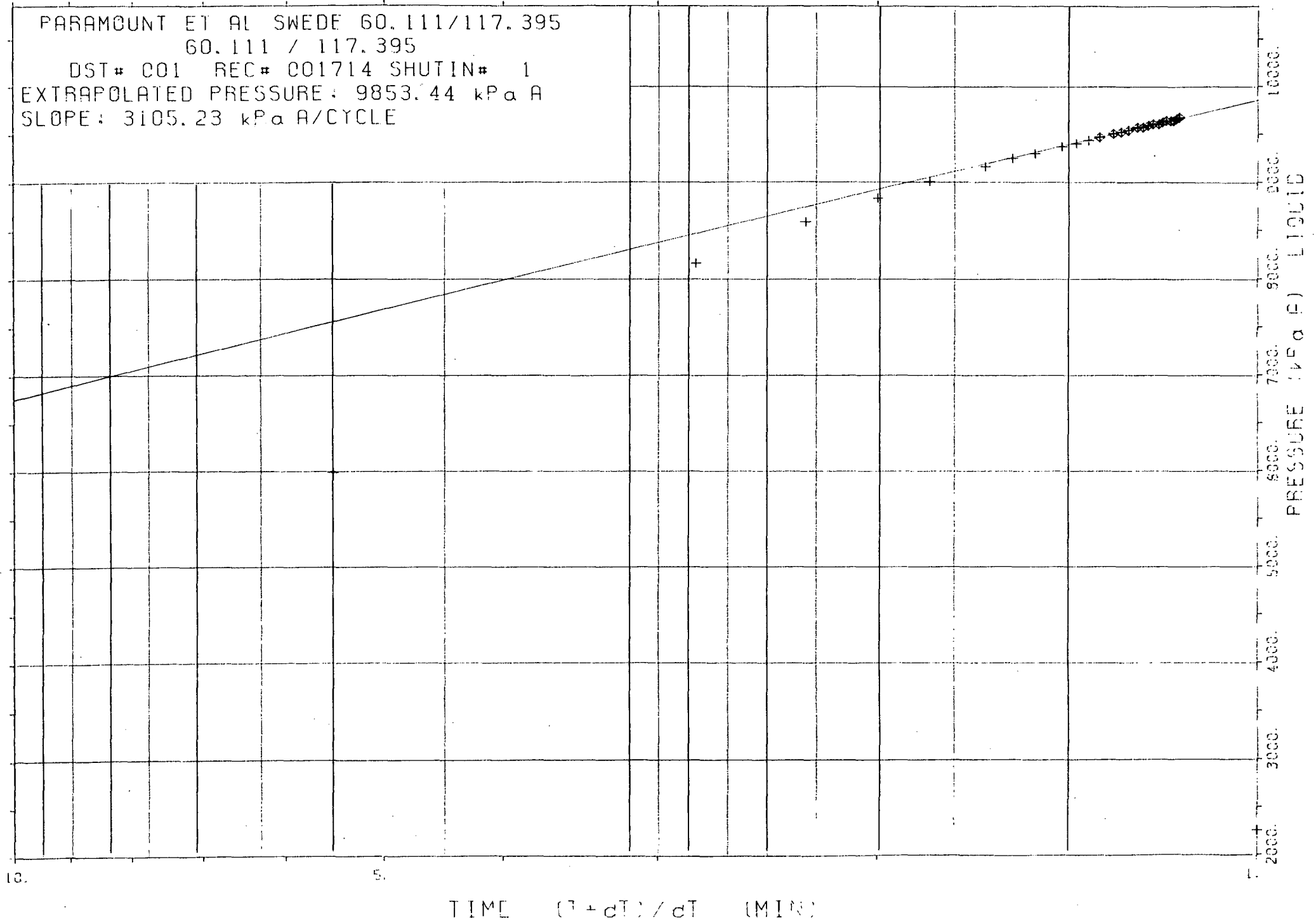
PARAMOUNT ET AL SWEDE 60.111/117.395

60.111 / 117.395

DST# 001 REC# 001714 SHUTIN# 1

EXTRAPOLATED PRESSURE: 9853.44 kPa A

SLOPE: 3105.23 kPa A/CYCLE



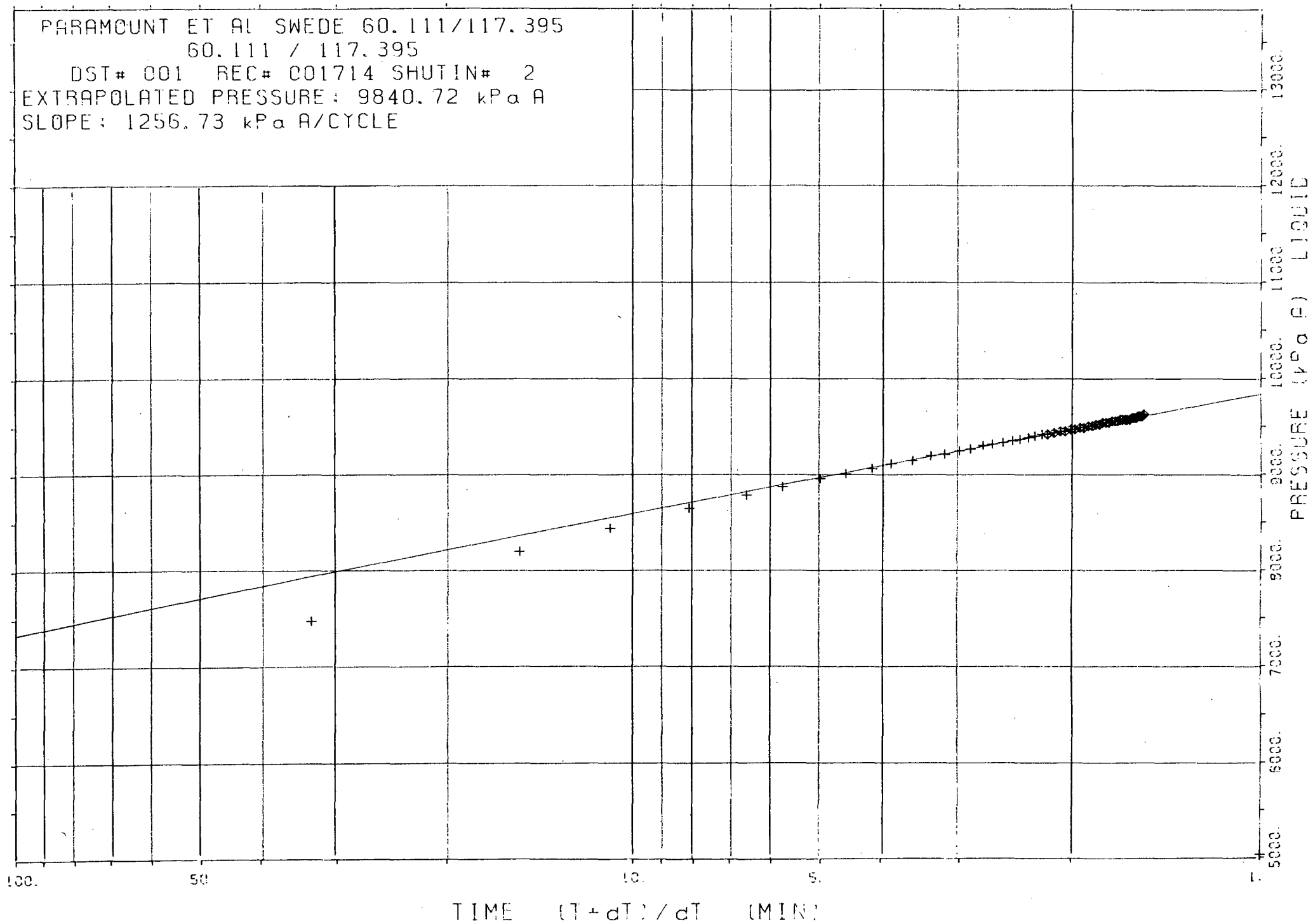
PARAMOUNT ET AL SWEDE 60.111/117.395

60.111 / 117.395

DST# 001 REC# C01714 SHUTIN# 2

EXTRAPOLATED PRESSURE: 9840.72 kPa A

SLOPE: 1256.73 kPa A/CYCLE



PARAMOUNT ET AL SWEDF 60.111/117.395

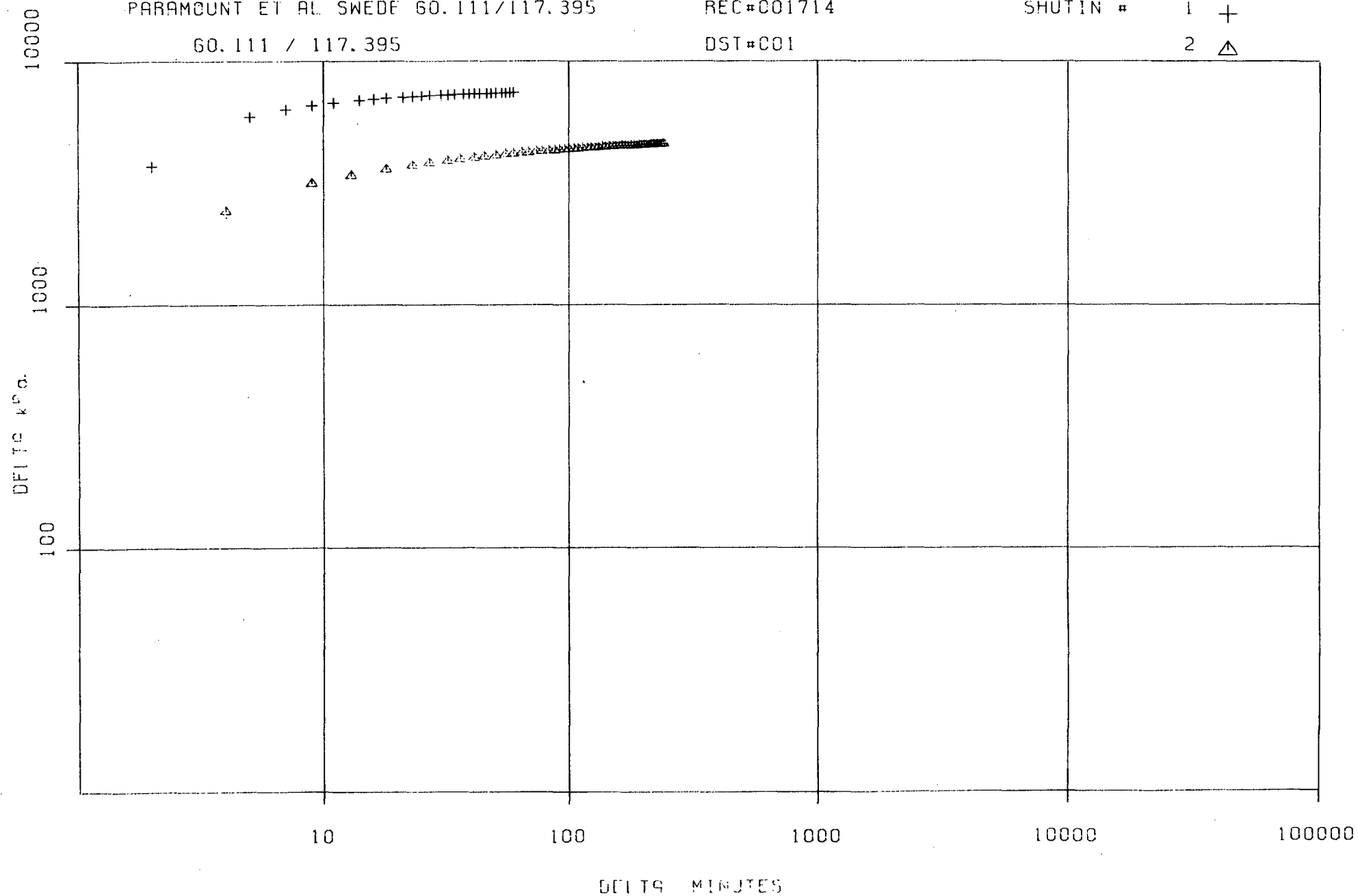
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SHUTIN # 1 +

60.111 / 117.395

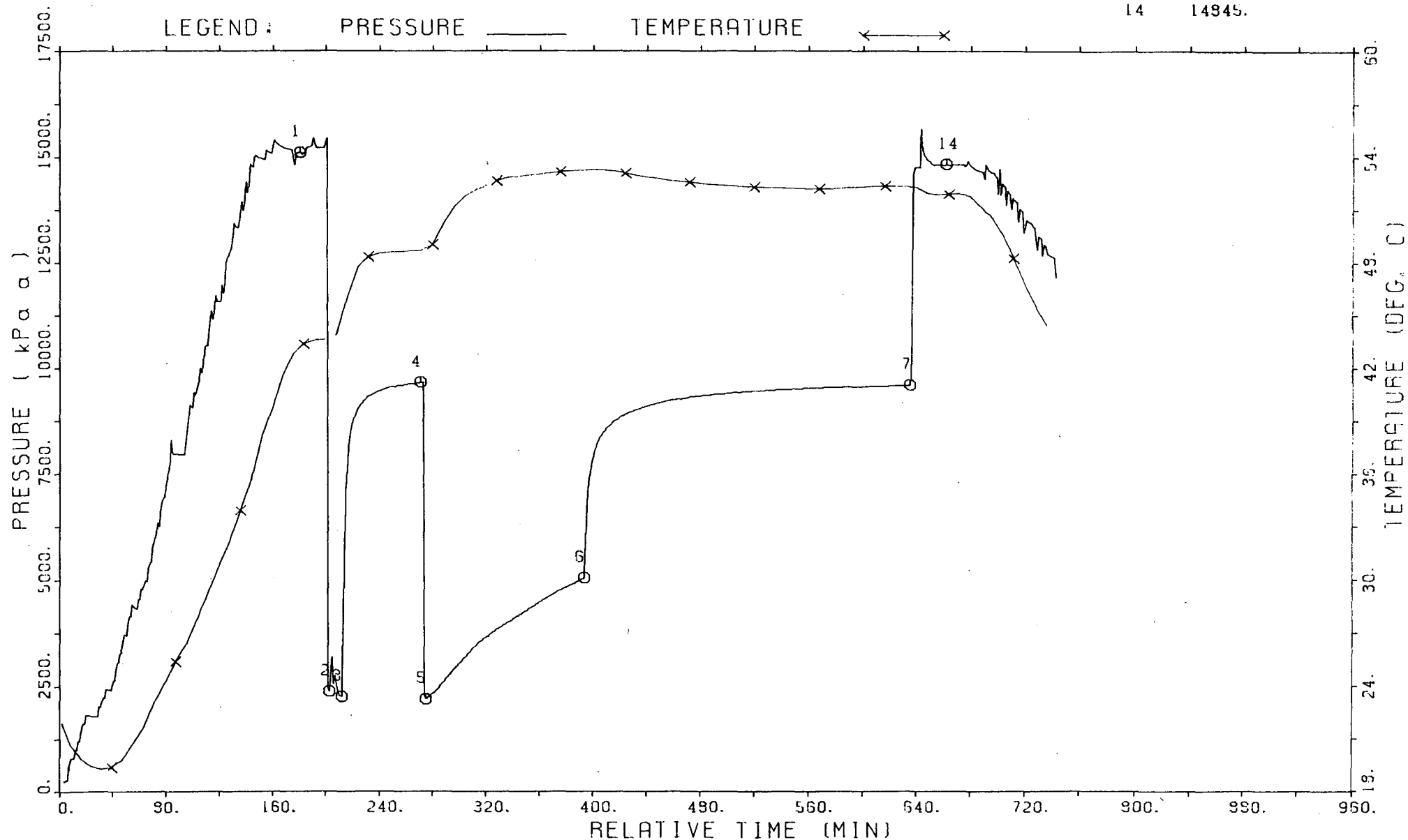
DST#001

2 Δ



PARAMOUNT ET AL SWEDE A-52
 60.111/117.395 DST #1
 ELECTRONIC GAUGE #1714

LEGEND: ○ 1 = 15121. kPa(a)
 2 2373.
 3 2259.
 4 9572.
 5 2207.
 6 5035.
 7 9521.
 14 14845.



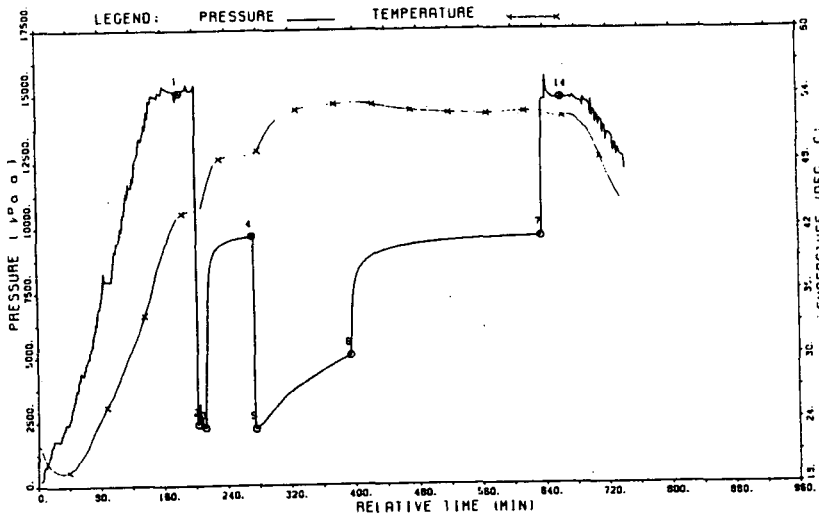
DST#01
PARAMOUNT ET AL SWEDE 60.111/117.395
1366.00m to 1382.71m

PRESSURE RECORDER NUMBER : 001714

DEPTH : 1368.00m LOCATION : OUTSIDE
TYPE : DMRB CAPACITY : 68900.00kPa(a)

PRESSURE
kPa(a)

***** TEMPERATURE AT RECORDER DEPTH = 53.1 C



- 1) Initial Hydro : 15121.
- 2) 1st Flow Start: 2379.
- 3) 1st Flow End : 2259.
- 4) END 1st Shutin: 9672.
- 5) 2nd Flow Start: 2207.
- 6) 2nd Flow End : 5035.
- 7) END 2nd Shutin: 9621.
- 14) Final Hydro. : 14845.

LYNES ELECTRONIC
GAUGE.

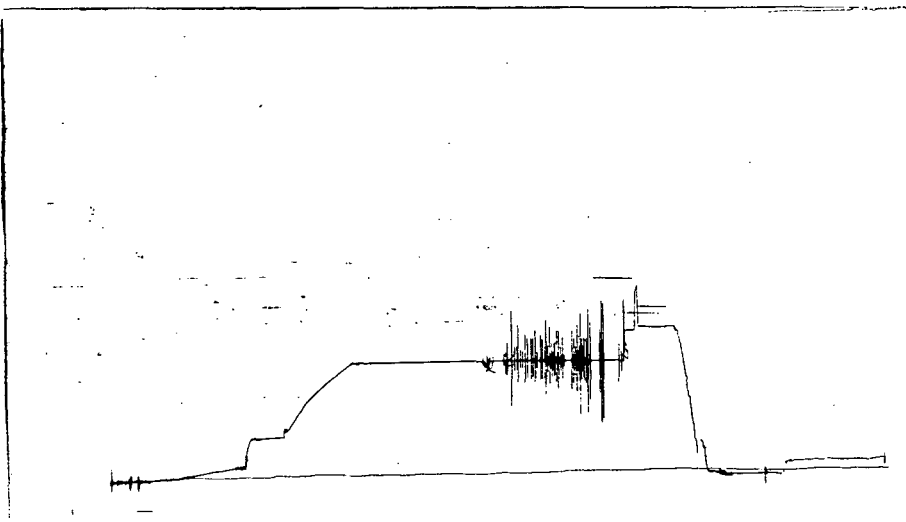
TEST TIMES (MIN)
1st FLOW : 9.0
SHUTIN: 59.0
2nd FLOW : 119.0
SHUTIN: 241.0

PRESSURE RECORDER NUMBER : 012705

DEPTH : 1354.00m LOCATION : INSIDE
TYPE : K-3 CAPACITY : 19700.00 kPa

PRESSURE
kPa

- 1) Initial Hydro :
- 2) 1st Flow Start: 559.
- 3) 1st Flow End : 1741.
- 4) END 1st Shutin:
- 5) 2nd Flow Start: 1752.
- 6) 2nd Flow End : 4785.
- 7) END 2nd Shutin: 4785.
- 14) Final Hydro. :



ABOVE HYDRAULIC
TOOL.

DST#01
PARAMOUNT ET AL SWEDE 60.111/117.395
1366.00m to 1382.71m

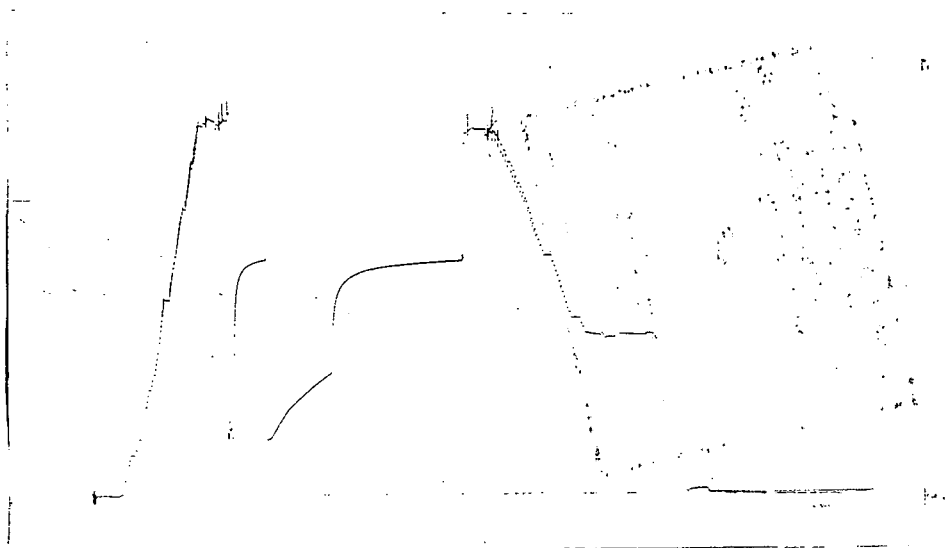
PRESSURE RECORDER NUMBER : 013832

DEPTH : 1368.00m
TYPE : K-3

LOCATION : OUTSIDE
CAPACITY : 19300.00 kPa

PRESSURE
kPa

- 1)Initial Hydro :15007.
- 2)1st Flow Start: 2141.
- 3)1st Flow End : 2213.
- 4)END 1st Shutin: 9589.
- 5)2nd Flow Start: 2239.
- 6)2nd Flow End : 4968.
- 7)END 2nd Shutin: 9531.
- 14)Final Hydro. :14762.



TEST TIMES (MIN)

- 1st FLOW : 9.0
SHUTIN: 59.0
2nd FLOW : 119.0
SHUTIN: 241.0

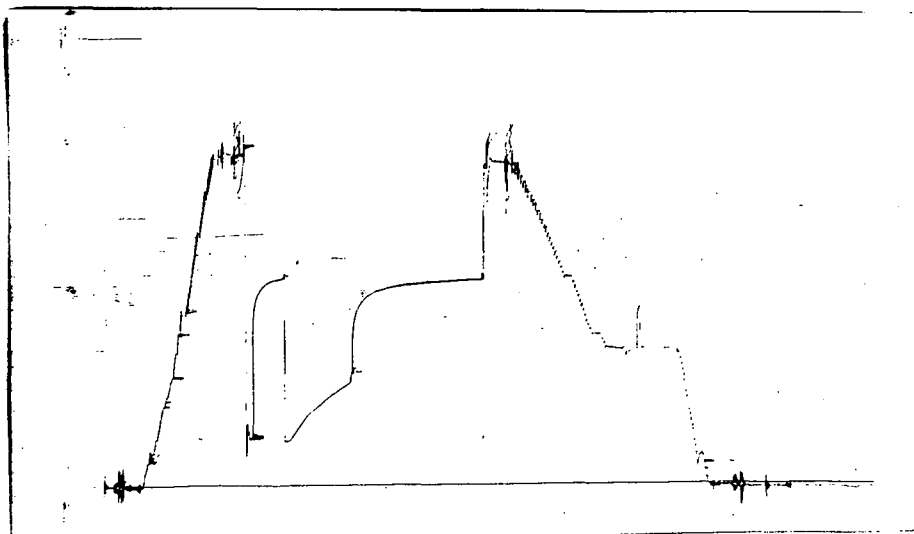
PRESSURE RECORDER NUMBER : 021155

DEPTH : 1358.00m
TYPE : K-3

LOCATION : INSIDE
CAPACITY : 21400.00 kPa

PRESSURE
kPa

- 1)Initial Hydro :14927.
- 2)1st Flow Start: 1663.
- 3)1st Flow End : 2144.
- 4)END 1st Shutin: 9362.
- 5)2nd Flow Start: 2082.
- 6)2nd Flow End : 4809.
- 7)END 2nd Shutin: 9326.
- 14)Final Hydro. :14682.



ABOVE INTERVAL.

