

9211-P33-6-3

CALGARY COPY

REF#:C-76-920-09000-67

TEST DATE: 91/02/24

PARAMOUNT ET AL CAMERON C-19
 400/ 60.081 / 117.331 /00
 DST#01
 1438.90m to 1457.00m
 SULPHUR POINT

DEPTH: 1441.00m

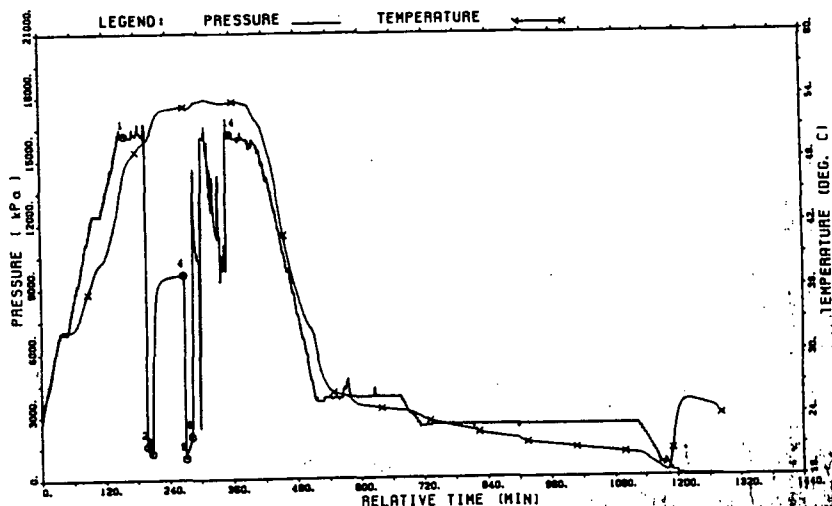
PRESSURE
kPa

- 1) Initial Hydro : 16170.
- 2) 1st Flow Start: 1560.
- 3) 1st Flow End : 1229.
- 4) END 1st Shutin: 9664.
- 5) 2nd Flow Start: 992.
- 6) 2nd Flow End : 2032.
- 7) END 2nd Shutin:
- 14) Final Hydro. : 16214.

TEST TIMES(MIN)

1stFLOW : 10.0
 SHUTIN: 60.0
 2ndFLOW : 11.5
 SHUTIN: .0

RECORDER # 000012



RECOVERY DATA

TOTAL FLUID RECOVERY OF 334 METERS CONSISTED OF 65 METERS OF GASIFIED INHIBITOR AND WATER - 52 METERS OF GASIFIED MUD - 165 METERS OF GASIFIED OIL STAINED MUD AND 52 METERS OF MUD. GAS TO SURFACE WITH A RATE OF 2 093 M3/D.

REMARKS AND TEST SUMMARY

Lost the packer seat 11.5 minutes into the final flow. Unable to regain the seat. The available data suggests RELATIVELY HIGH PERMEABILITY within the interval tested.

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

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

MAR 6 1991

ENGINEERING AND CONTROL

BAKER OIL TOOLS CANADA
DST#01 REPORT

p.1

Well name : PARAMOUNT ET AL CAMERON C-19
Location : 400/ 60.081 / 117.331 /00
Interval : 1438.90m to 1457.00m
Test Date : 91/02/24
Test Type : INFLATE BOTTOM HOLE
Formation : SULPHUR POINT

K.B.Elevation : 786.30m
Grd.Elevation : 784.30m
TD @ test Date: 1457.00m
Ticket Number : 82097
Unit Number : 790203

Started in hole at :
Tool opened at : 1632 hrs
Reverse circulated?: NO
Contractor & Rig No: SIERRA #3
Baker#1 : 1 of 1 on the same trip.

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

Company Rep : CHRISTIE PHIL
Testers : MCLAREN G

5 REPORTS(S) TO: PHIL BESLER
Company:

BLOW DESCRIPTION

PREFLOW: Weak air blow increasing to strong in 3 minutes and continuing to increase throughout. No gas to surface.
FINAL FLOW: Strong air blow immediately. Gas to surface in 3 minutes.

TOTAL LIQUID RECOVERY : 334.00m

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

Field Est. Salinity :5000.0g/m3

Btm. Hole Sampler #: 197
Sent to: AGAT

65.00m GASIFIED INHIBITOR AND WATER.
52.00m GASIFIED MUD.
165.00m GASIFIED OIL STAINED MUD.
52.00m MUD.

GAS MEASUREMENTS Device: FLOOR MANIFOLD

Bomb#: 7437
Sent to: AGAT

F#	TIME MIN	CHOKE mm	READING kPa	m3/d
2	10	9.52	60	2093.0

TOOL SEQUENCE

RECORDER SUMMARY

SUB	LENGTH (m)
PUMP OUT SUB	.35
DOUBLE PIN SUB	.30
INSIDE RECORDER	1.38
HYDRAULIC TOOL	1.50
BTM. HOLE SAMPLER	1.03
HYDRAULIC JARS	2.22
INSIDE RECORDER	1.38
SAFETY JOINT	.65
INFLATE PUMP	2.38
SCREEN	1.16
TOP INFLATE PACKER	1.78
PACKER STICK DOWN	.82
PORTED COMB SUB	.30
OUTSIDE RECORDER	2.06
BLANK SPACING	.30
SPACING	2.12
CROSSOVER SUB	.30
DRILL COLLAR	8.90
CROSSOVER SUB	.30
PERFORATED SPACING	.60
BELLY SPRING	2.40

1) NUMBER : 000012	ZI ELECTRONIC
TYPE : ZI	GAUGE.
LOCATION: OUTSIDE	
RANGE: 68900.00kPa	
DEPTH : 1441.00m	
2) NUMBER : 007948	ABOVE INTERVAL.
TYPE : K-3	CLOCK STOPPED,
LOCATION: INSIDE	NO READINGS.
RANGE: 20700.00kPa	
DEPTH : 1433.00m	
3) NUMBER : 013462	ABOVE HYDRAULIC
TYPE : K-3	TOOL.
LOCATION: INSIDE	CLOCK STOPPED.
RANGE: 14100.00kPa	
DEPTH : 1425.00m	
4) NUMBER : 020619	
TYPE : K-3	
LOCATION: OUTSIDE	
RANGE: 21400.00kPa	
DEPTH : 1441.00m	

***** TOOL TOTAL 32.23

DRILL COLLARS

ID= 57.0mm: 72.48

ID= :

DRILL PIPE

OD=114.3mm: 1358.27

OD= :

COLLAR-PIPE TOTAL 1430.75

STICK UP ABOVE TABLE : 5.98

TOOL ABOVE INTERVAL : 14.13

TOTAL INTERVAL : 18.10

BOTTOM CHOKE SIZE: 25.40 mm

MUD AND HOLE DATA

Calipered Hole Size @ Test Depth:	Water Loss :
Hole Condition at Test Time : GOOD	Filter Cake:
Hole Conditioned Prior to Test? : YES	
Mud Weight :	Main Hole Size: 222.00mm
Mud Type : GEL CHEMICAL	
Viscosity :	Temperature @1441.00m = 53.4C

Location: 400/ 60.081 / 117.331 /00
Test Type: INFLATE BOTTOM HOLE
Formation: SULPHUR POINT

Recorder Number: 000012
Recorder Depth: 1441.00 m
Subsea Depth: -654.70 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt)/dt kPa	ABSCISSA	PRESSURE SQUARED kPa ^2/10^6
1	INITIAL HYDROSTATIC			16170		
2	START OF 1st FLOW	0.0		1560		
		.5		1391		
		1.0		1713		
		2.0		1934		
		2.5		2053		
		3.0		1690		
		3.5		1445		
		4.0		1334		
		4.5		1274		
		5.0		1235		
		6.0		1171		
		6.5		1154		
		7.0		1149		
		7.5		1145		
		8.0		1160		
		8.5		1161		
		9.0		1182		
3	END OF 1st FLOW	10.0		1229		
	1st SHUTIN PERIOD	0.0		1229		
		1.5	1972	3200	7.6667	10.2426
		3.0	3948	5176	4.3333	26.7951
		5.0	5842	7071	3.0000	50.0005
		6.5	6698	7927	2.5385	62.8342
		8.5	7370	8599	2.1765	73.9359
		10.0	7658	8887	2.0000	78.9823
		12.0	7882	9110	1.8333	82.9994
		13.5	7989	9218	1.7407	84.9715
		15.0	8061	9290	1.6667	86.3060
		17.0	8125	9354	1.5882	87.5030
		18.5	8175	9404	1.5405	88.4277
		20.5	8217	9446	1.4878	89.2326

* VALUES USED FOR EXTRAPOLATIONS

DST#01
PARAMOUNT ET AL CAMERON C-19
1438.90 m to 1457.00 m

p.3a

Location: 400/ 60.081 / 117.331 /00
Test Type: INFLATE BOTTOM HOLE
Formation: SULPHUR POINT

Recorder Number: 000012
Recorder Depth: 1441.00 m
Subsea Depth: -654.70 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt) /dt kPa	ABSCISSA	PRESSURE SQUARED kPa ^2/10^6
		22.0	8241	9470	1.4545	89.6771
		24.0	8270	9499	1.4167	90.2272
		25.5	8288	9516	1.3922	90.5619
		27.0	8305	9533	1.3704	90.8857
		29.0	8326	9555	1.3448	91.2980
		30.5	8338	9567	1.3279	91.5256
		32.5	8352	9581	1.3077*	91.7956
		34.0	8361	9589	1.2941*	91.9566
		36.0	8371	9600	1.2778*	92.1581
		37.5	8379	9608	1.2667*	92.3079
		39.0	8385	9614	1.2564*	92.4328
		41.0	8392	9621	1.2439*	92.5637
		42.5	8396	9625	1.2353*	92.6406
		44.5	8400	9629	1.2247*	92.7196
		46.0	8404	9633	1.2174*	92.7985
		48.0	8410	9639	1.2083*	92.9065
		49.5	8414	9643	1.2020*	92.9913
		51.0	8418	9647	1.1961*	93.0627
		53.0	8423	9652	1.1887*	93.1534
		54.5	8426	9655	1.1835*	93.2171
		56.5	8430	9659	1.1770*	93.2866
		58.0	8432	9661	1.1724*	93.3291
4	END OF 1st SHUTIN	60.0	8435	9664	1.1667*	93.3891
5	START OF 2nd FLOW	0.0		992		
		1.0		1133		
		1.5		1228		
		2.0		1288		
		2.5		1321		
		3.0		1316		
		3.5		1334		
		4.0		1349		
		5.0		1439		
		5.5		1463		
		6.0		1506		

* VALUES USED FOR EXTRAPOLATIONS

Location: 400/ 60.081 / 117.331 /00
Test Type: INFLATE BOTTOM HOLE
Formation: SULPHUR POINT

Recorder Number: 000012
Recorder Depth: 1441.00 m
Subsea Depth: -654.70 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt)/dt kPa	ABSCISSA	PRESSURE SQUARED kPa ^2/10^6
		6.5		1536		
		7.0		1593		
		7.5		1625		
		8.0		1648		
		9.0		1773		
		9.5		1833		
		10.0		1920		
		10.5		1951		
		11.0		1975		
6	END OF 2nd FLOW	11.5		2032		
14	FINAL HYDROSTATIC			16214		

* VALUES USED FOR EXTRAPOLATIONS

1st SHUT-IN
HORNER EXTRAPOLATION 9773.54 kPa
HORNER SLOPE 31.61923 (kPa**2/10**6)/CYCLE

2nd SHUT-IN
HORNER EXTRAPOLATION .00 kPa
HORNER SLOPE .00000 (kPa**2/10**6)/CYCLE

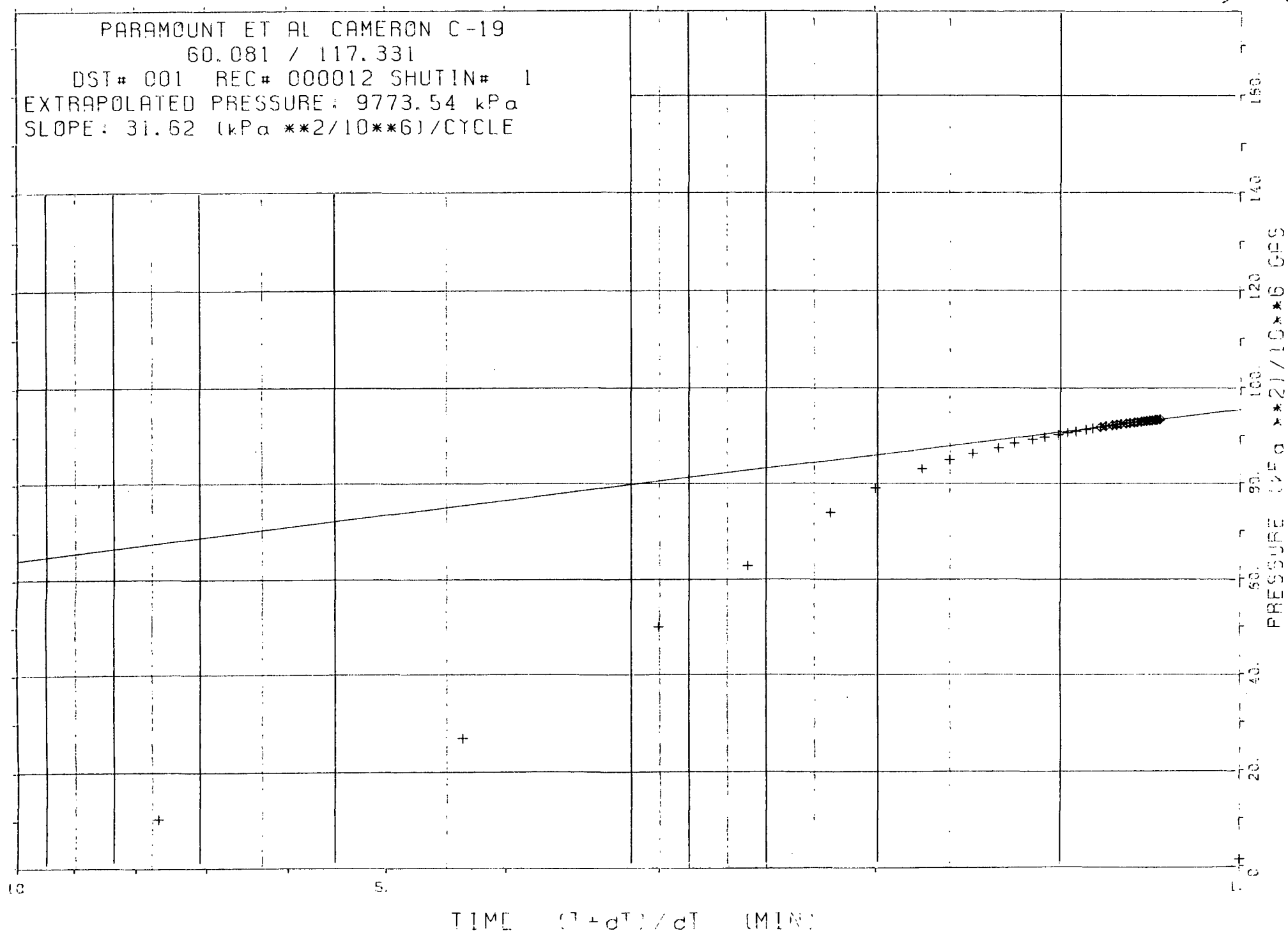
PARAMOUNT ET AL CAMERON C-19

60.081 / 117.331

DST# 001 REC# 000012 SHUTIN# 1

EXTRAPOLATED PRESSURE: 9773.54 kPa

SLOPE: 31.62 (kPa **2/10**6)/CYCLE



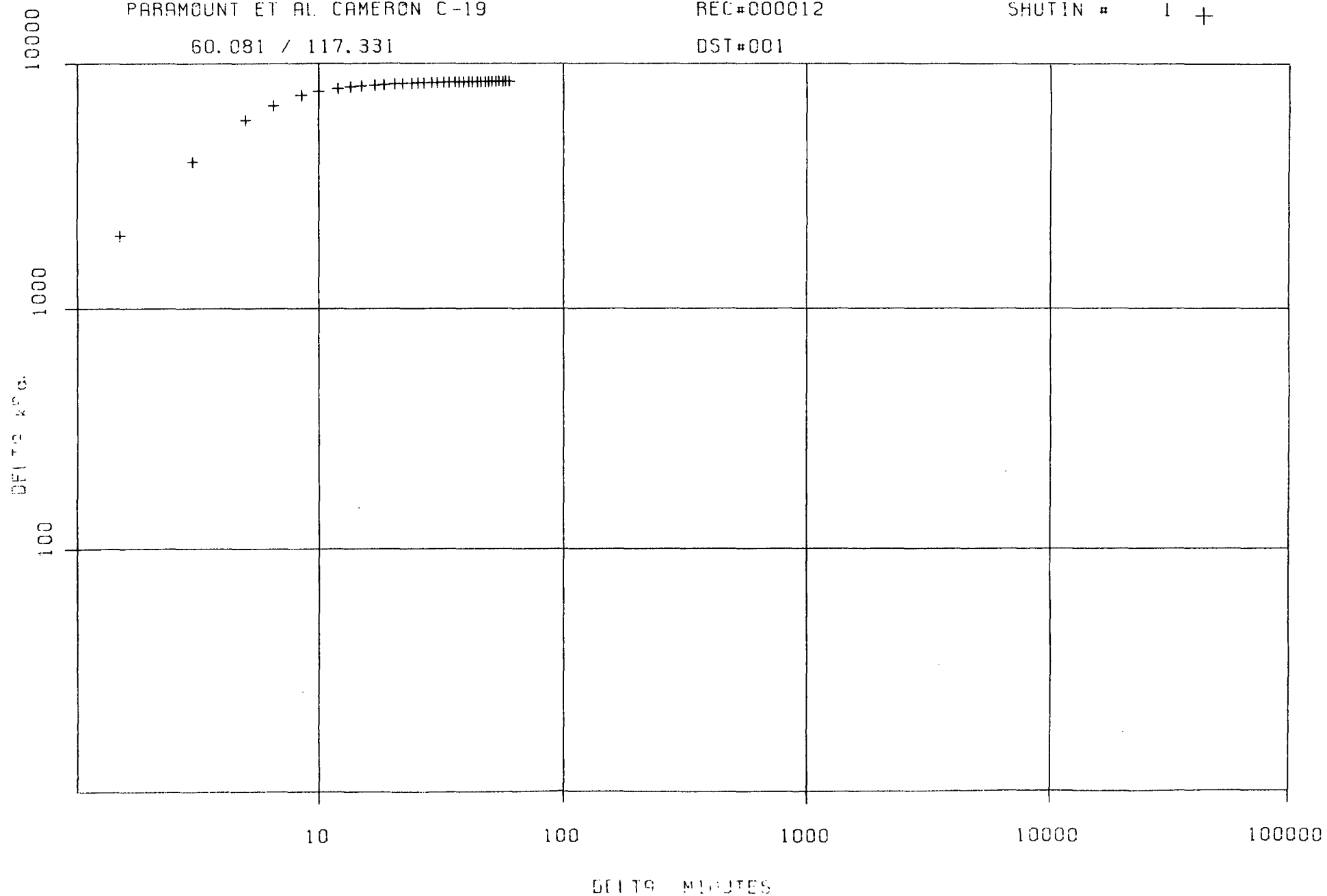
PARAMOUNT ET AL. CAMERON C-19

REC#000012

SHUTIN # 1 +

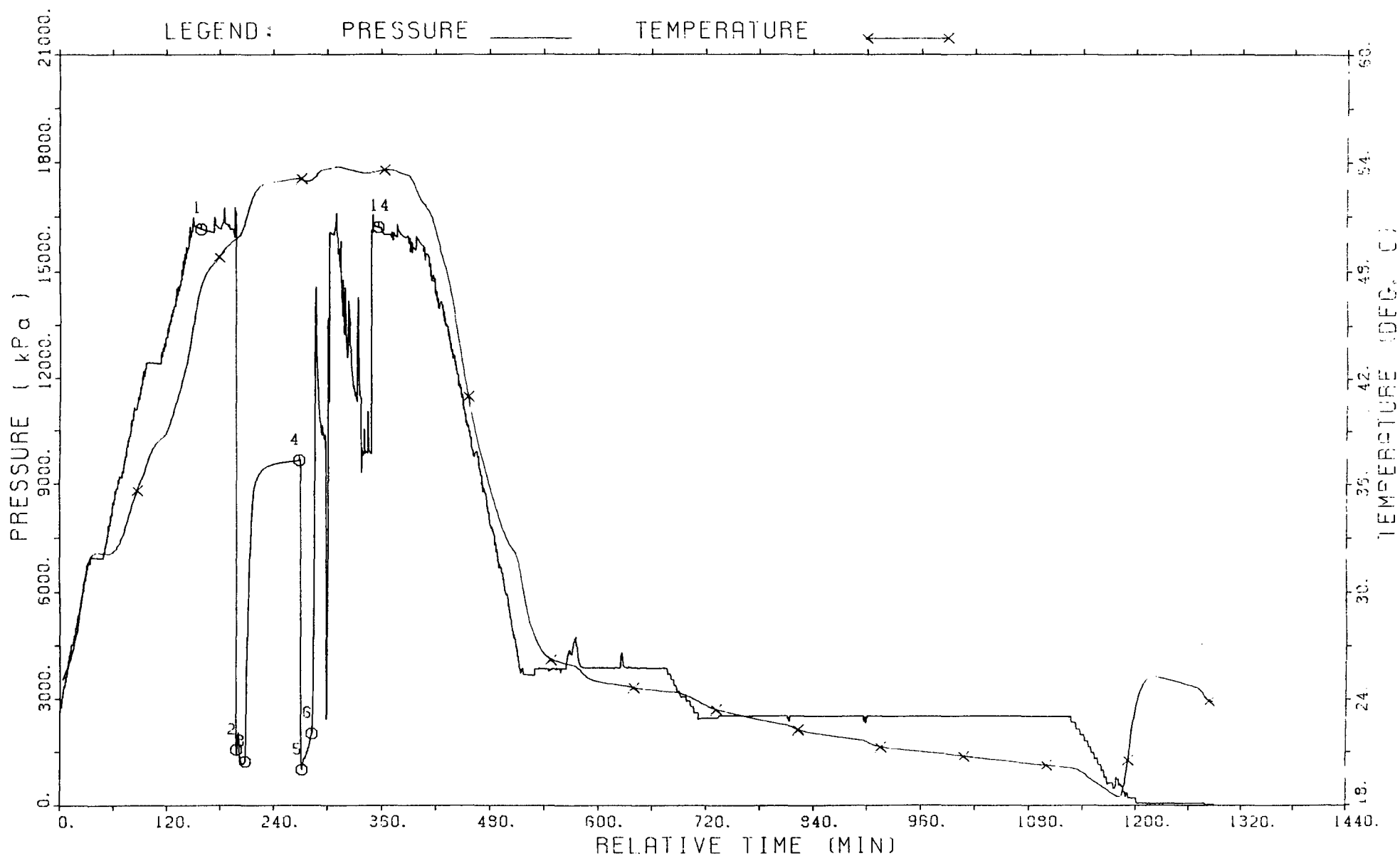
60.081 / 117.331

DST#001



PARAMOUNT ET AL CAMERON C-19
 60.081/117.331 DST #1
 ZI ELECTRONIC GAUGE #12

LEGEND: $\odot$ 1 = 15170 kPa
 2 1550.
 3 1229.
 4 9554.
 5 992.
 6 2032
 14 15214.



DST#01
PARAMOUNT ET AL CAMERON C-19
1438.90m to 1457.00m

PRESSURE RECORDER NUMBER : 000012

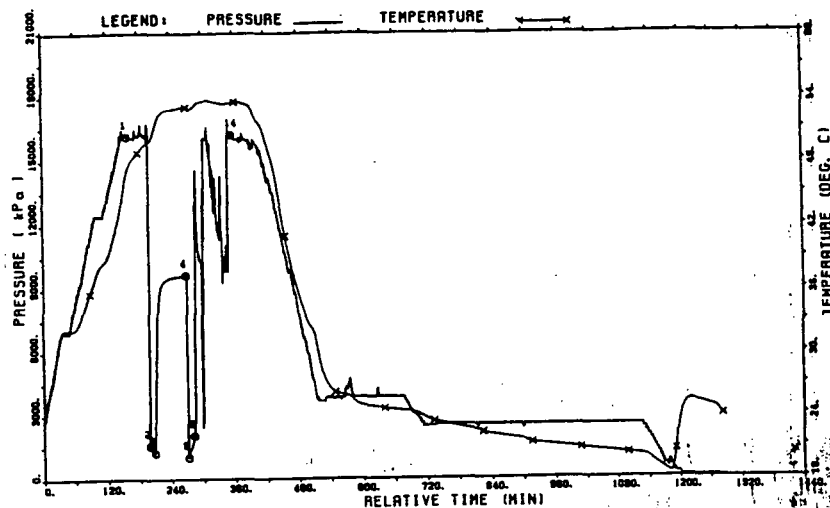
DEPTH : 1441.00m
TYPE : ZI

LOCATION : OUTSIDE
CAPACITY : 68900.00 kPa

PRESSURE
kPa

***** TEMPERATURE AT RECORDER DEPTH = 53.4 C

- 1) Initial Hydro : 16170.
- 2) 1st Flow Start: 1560.
- 3) 1st Flow End : 1229.
- 4) END 1st Shutin: 9664.
- 5) 2nd Flow Start: 992.
- 6) 2nd Flow End : 2032.
- 7) END 2nd Shutin:
- 14) Final Hydro. : 16214.



ZI ELECTRONIC
GAUGE.

TEST TIMES (MIN)
1st FLOW : 10.0
SHUTIN: 60.0
2nd FLOW : 11.5
SHUTIN: .0

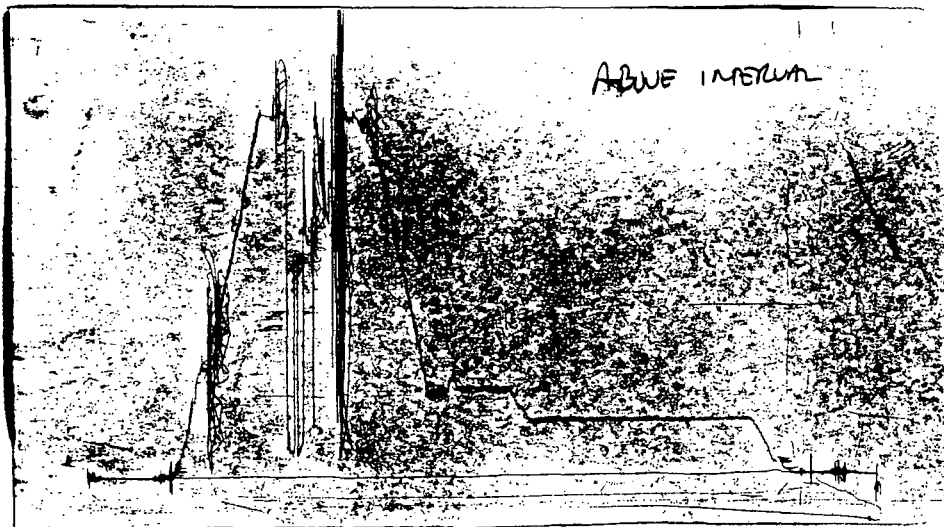
PRESSURE RECORDER NUMBER : 007948

DEPTH : 1433.00m
TYPE : K-3

LOCATION : INSIDE
CAPACITY : 20700.00 kPa

PRESSURE
kPa

- 1) Initial Hydro :
- 14) Final Hydro. :



ABOVE INTERVAL.
CLOCK STOPPED,
NO READINGS.

DST#01
PARAMOUNT ET AL CAMERON C-19
1438.90m to 1457.00m

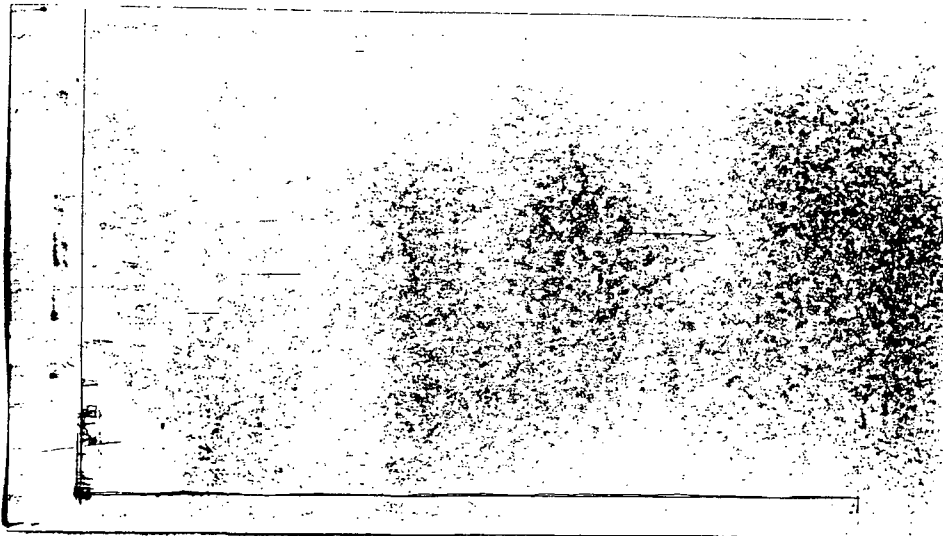
PRESSURE RECORDER NUMBER : 013462

DEPTH : 1425.00m
TYPE : K-3

LOCATION : INSIDE
CAPACITY : 14100.00 kPa

PRESSURE
kPa

1) Initial Hydro :
14) Final Hydro. :



ABOVE HYDRAULIC
TOOL.
CLOCK STOPPED.

TEST TIMES (MIN)
1st FLOW : 10.0
SHUTIN: 60.0
2nd FLOW : 11.5
SHUTIN: .0

PRESSURE RECORDER NUMBER : 020619

DEPTH : 1441.00m
TYPE : K-3

LOCATION : OUTSIDE
CAPACITY : 21400.00 kPa

PRESSURE
kPa

1) Initial Hydro : 16152.
2) 1st Flow Start: 1517.
3) 1st Flow End : 1245.
4) END 1st Shutin: 9590.
5) 2nd Flow Start: 1091.
6) 2nd Flow End : 2042.
7) END 2nd Shutin:
14) Final Hydro. : 16154.

