

CALGARY COPY

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

TEST DATE: 91/02/19

PARAMOUNT ET AL CAMERON
400/ 60.025 / 117.292 /00
DST#05
1511.00m to 1530.10m
KEG RIVER

M-73

DEPTH: 1514.00m

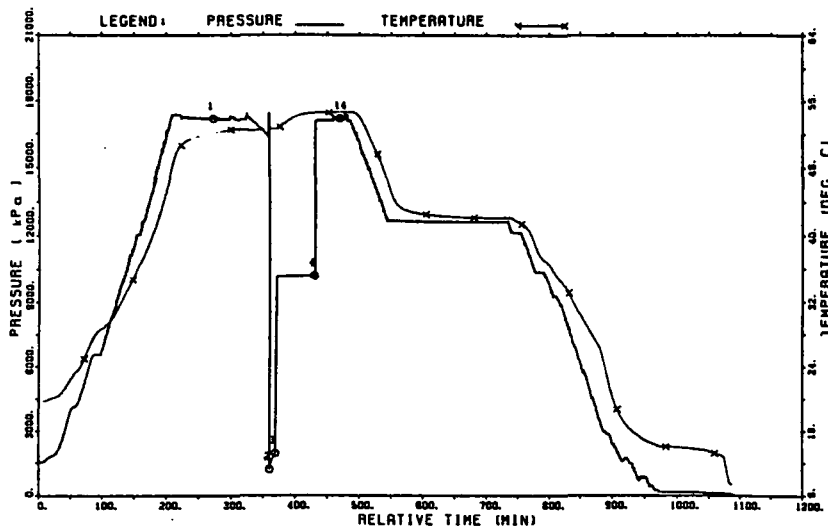
PRESSURE
kPa

- 1) Initial Hydro : 17186.
- 2) 1st Flow Start: 1200.
- 3) 1st Flow End : 1953.
- 4) END 1st Shutin: 10206.
- 14) Final Hydro. : 17196.

TEST TIMES (MIN)

1stFLOW : 9.0
SHUTIN: 59.5

RECORDER # 000005



RECOVERY DATA

TOTAL FLUID RECOVERY OF 222 METERS CONSISTED OF 60 METERS OF INHIBITOR - WATER AND MUD - 35 METERS OF MUD AND INHIBITOR AND 127 METERS OF MUD. NO GAS TO SURFACE.

REMARKS AND TEST SUMMARY

The packer seat failed when opening the tool for the final flow. Unable to regain a packer seat. Pulled out of the hole. The available data suggests HIGH PERMEABILITY within the interval tested. The initial shut-in was incremented but not extrapolated as the pressure stabilized almost immediately.

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Gas Measurements			-Results

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

BAKER OIL TOOLS CANADA
DST#05 REPORT

p.1

Well name : PARAMOUNT ET AL CAMERON
Location : 400/ 60.025 / 117.292 /00
Interval : 1511.00m to 1530.10m
Test Date : 91/02/19
Test Type : INFLATE STRADDLE
Formation : KEG RIVER

K.B.Elevation : 775.15m
Grd.Elevation : 771.50m
TD @ test Date: 2245.00m
Ticket Number : 82764
Unit Number : 880230

Started in hole at : 4300 hrs
Tool opened at : 2330 hrs
Reverse circulated?: NO
Contractor & Rig No: SIERRA #2
BAKER#5 : 1 OF 1 ON THE SAME TRIP.

CUSHION : LIQUID 60.00m

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

Company Rep : WILSON DAVE
Testers : JAMES K

5 REPORTS(S) TO: PHIL BESLER
Company:

BLOW DESCRIPTION

PREFLOW: Weak air blow increasing to fair air blow in 9 minutes. No gas to surface.

TOTAL LIQUID RECOVERY : 222.00m

For DST# 5 through DST# 5
4 Fluid Samples

60.00m INHIBITOR. MUD AND WATER.
35.00m MUD AND INHIBITOR.
127.00m MUD.

GAS MEASUREMENTS

No Gas Measurements

TOOL SEQUENCE

RECORDER SUMMARY

SUB	LENGTH (m)
PUMP OUT SUB	.33
CROSSOVER SUB	.31
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	.42
OUTSIDE RECORDER	2.06
SPACING	5.78
CROSSOVER SUB	.31
DRILL COLLAR	8.98
CROSSOVER SUB	.31
PACKER STICK UP	.42
BTM. INFLATE PKR.	1.90
BELLY SPRING	2.60

1) NUMBER	: 000005	ZI ELECTRONIC
TYPE	: ZI	GAUGE.
LOCATION:	OUTSIDE	
RANGE:	68900.00kPa	
DEPTH	: 1514.00m	
2) NUMBER	: 008680	
TYPE	: K-3	
LOCATION:	OUTSIDE	
RANGE:	41400.00kPa	
DEPTH	: 1514.00m	
3) NUMBER	: 012309	ABOVE HYDRAULIC
TYPE	: K-3	TOOL.
LOCATION:	INSIDE	
RANGE:	42100.00kPa	
DEPTH	: 1500.00m	

***** TOOL TOTAL 37.72

DRILL COLLARS

ID= 60.0mm: 127.62

ID= :

DRILL PIPE

OD=102.0mm: 1378.01

OD= :

COLLAR-PIPE TOTAL 1505.63

STICK UP ABOVE TABLE : 8.75

TOOL ABOVE INTERVAL : 14.12

TOTAL INTERVAL : 19.10

BOTTOM CHOKE SIZE: 25.40 mm

MUD AND HOLE DATA

Calipered Hole Size @ Test Depth:	Water Loss :	7.4cc/s
Hole Condition at Test Time : GOOD	Filter Cake:	2.0 mm
Hole Conditioned Prior to Test? : YES		
Mud Weight : 1145.0 kg/m3	Main Hole Size:	222.00mm
Mud Type : GEL CHEMICAL		
Viscosity : 43.0s/l	Temperature @1514.00m	= 54.6C

DST#05
PARAMOUNT ET AL CAMERON
1511.00 m to 1530.10 m

p.3

Location: 400/ 60.025 / 117.292 /00
Test Type: INFLATE STRADDLE
Formation: KEG RIVER

Recorder Number: 000005
Recorder Depth: 1514.00 m
Subsea Depth: -738.85 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt)/dt kPa	ABSCISSA
1	INITIAL HYDROSTATIC			17186	
2	START OF 1st FLOW	0.0		1200	
		.5		1260	
		1.0		1319	
		1.5		1375	
		2.0		1434	
		2.5		1493	
		3.0		1580	
		4.0		1656	
		4.5		1684	
		5.0		1713	
		5.5		1738	
		6.0		1765	
		6.5		1801	
		7.0		1830	
		8.0		1896	
		8.5		1923	
3	END OF 1st FLOW	9.0		1953	
	1st SHUTIN PERIOD	0.0		1953	
		1.0	8206	10159	10.0000
		2.0	8237	10190	5.5000
		3.5	8244	10197	3.5714
		4.5	8246	10199	3.0000
		5.5	8247	10200	2.6364
		7.0	8248	10201	2.2857
		8.0	8249	10202	2.1250
		9.0	8249	10202	2.0000
		10.0	8250	10202	1.9000
		11.5	8250	10203	1.7826
		12.5	8250	10203	1.7200
		13.5	8250	10203	1.6667
		15.0	8250	10203	1.6000

* VALUES USED FOR EXTRAPOLATIONS

DST#05
PARAMOUNT ET AL CAMERON
1511.00 m to 1530.10 m

p.3a

Location: 400/ 60.025 / 117.292 / 00
Test Type: INFLATE STRADDLE
Formation: KEG RIVER

Recorder Number: 000005
Recorder Depth: 1514.00 m
Subsea Depth: -738.85 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt) /dt kPa	ABSCISSA
		16.0	8250	10203	1.5625
		17.0	8250	10203	1.5294
		18.0	8251	10203	1.5000
		19.5	8251	10204	1.4615
		20.5	8251	10204	1.4390
		21.5	8251	10204	1.4186
		23.0	8251	10204	1.3913
		24.0	8252	10205	1.3750
		25.0	8252	10205	1.3600
		26.0	8252	10205	1.3462
		27.5	8252	10205	1.3273
		28.5	8252	10205	1.3158
		29.5	8252	10205	1.3051
		31.0	8252	10205	1.2903
		32.0	8252	10205	1.2813
		33.0	8253	10205	1.2727
		34.0	8253	10205	1.2647
		35.5	8253	10205	1.2535
		36.5	8253	10206	1.2466
		37.5	8253	10205	1.2400
		39.0	8253	10206	1.2308
		40.0	8253	10206	1.2250
		41.0	8253	10206	1.2195
		42.0	8253	10206	1.2143
		43.5	8253	10206	1.2069
		44.5	8253	10206	1.2022
		45.5	8253	10206	1.1978
		47.0	8253	10206	1.1915
		48.0	8254	10206	1.1875
		49.0	8253	10206	1.1837
		50.0	8254	10206	1.1800
		51.5	8253	10206	1.1748
		52.5	8253	10206	1.1714
		53.5	8253	10206	1.1682
		55.0	8253	10206	1.1636
		56.0	8253	10206	1.1607

* VALUES USED FOR EXTRAPOLATIONS

DST#05
PARAMOUNT ET AL CAMERON
1511.00 m to 1530.10 m

p.3b

Location: 400/ 60.025 / 117.292 /00
Test Type: INFLATE STRADDLE
Formation: KEG RIVER

Recorder Number: 000005
Recorder Depth: 1514.00 m
Subsea Depth: -738.85 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt) /dt kPa	ABSCISSA
		57.0	8253	10206	1.1579
		58.0	8254	10206	1.1552
4	END OF 1st SHUTIN	59.5	8254	10206	1.1513
14	FINAL HYDROSTATIC			17196	

* VALUES USED FOR EXTRAPOLATIONS

1st SHUT-IN
HORNER EXTRAPOLATION .00 kPa
HORNER SLOPE .00000 kPa/cycle

PARAMOUNT ET AL CAMERON

60.025 / 117.292

DST# 005 REC# 000005 SHUTIN# 1

9500.
9500.
9500.
7500.
6500.
5500.
4500.
3500.
2500.
1500.
1.

LIQUID
PRESSURE (kPa)

TIME (T+dT)/dT (MIN)

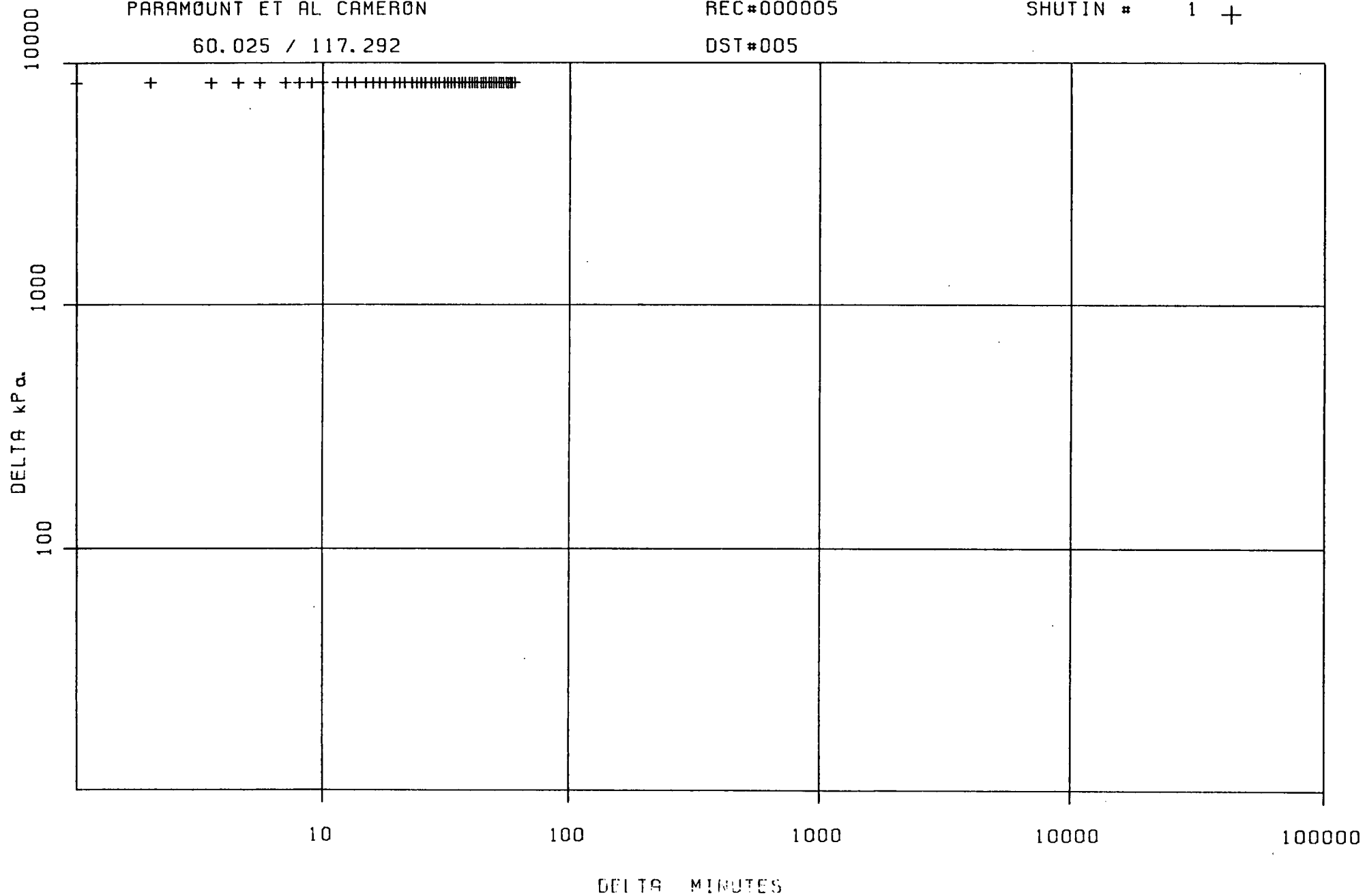
PARAMOUNT ET AL CAMERON

REC#000005

SHUTIN # 1 +

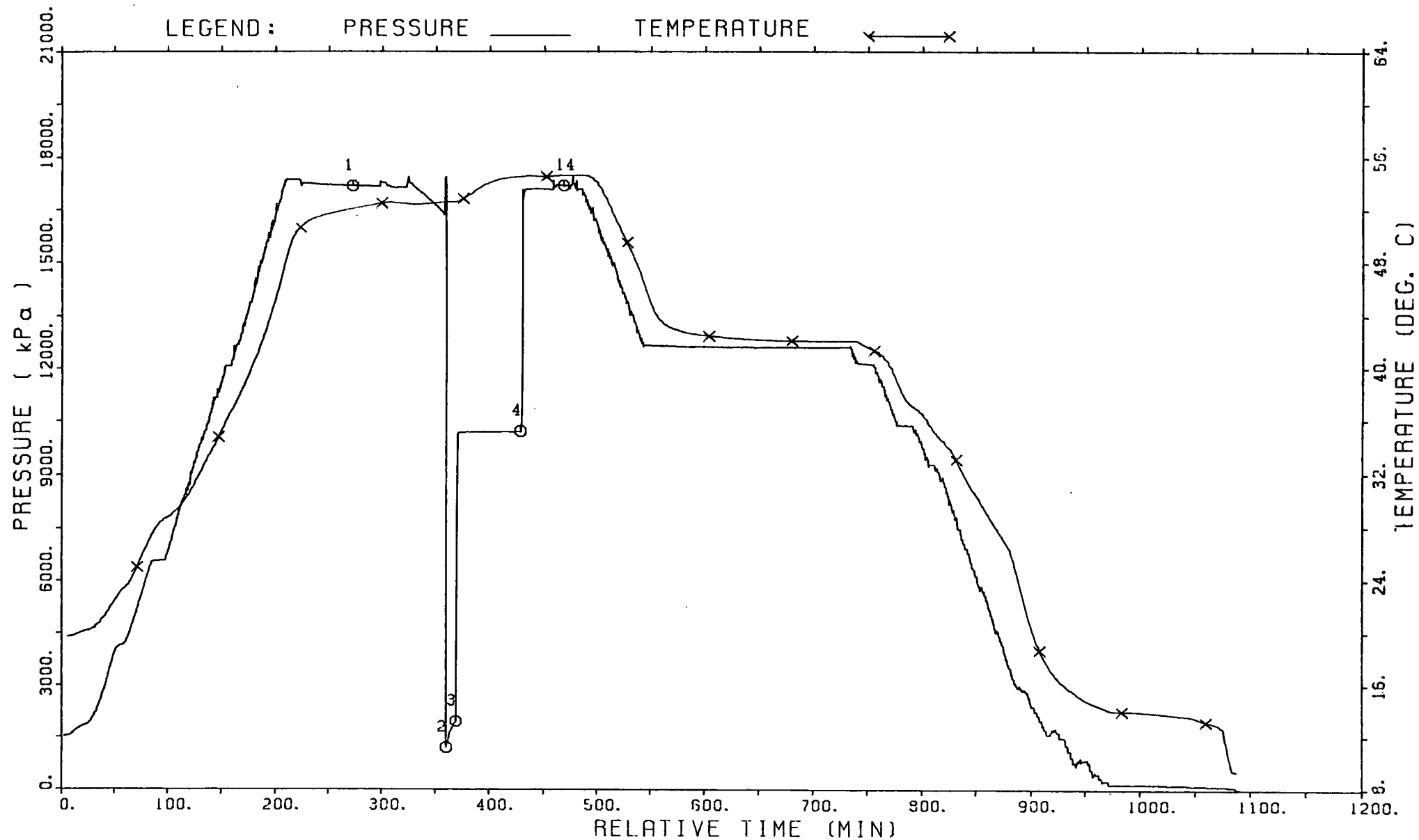
60.025 / 117.292

DST#005



PARAMOUNT ET AL CAMERON M-73
 60.025/117.292 DST #5
 ZI ELECTRONIC GAUGE #5

LEGEND: $\odot$ 1 = 17195. kPa
 2 1200.
 3 1953.
 4 10206.
 14 17196.



DST#05
PARAMOUNT ET AL CAMERON
1511.00m to 1530.10m

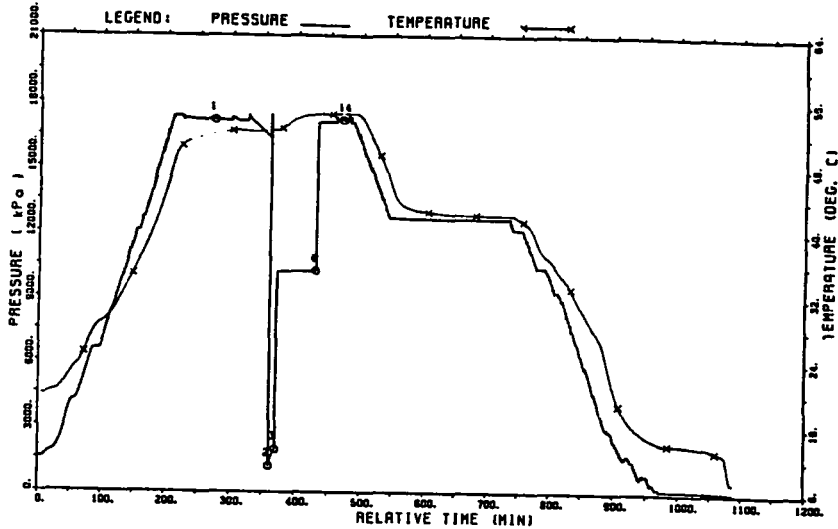
PRESSURE RECORDER NUMBER : 000005

DEPTH : 1514.00m LOCATION : OUTSIDE
TYPE : ZI CAPACITY : 68900.00 kPa

PRESSURE
kPa

***** TEMPERATURE AT RECORDER DEPTH = 54.6 C

- 1) Initial Hydro :17186.
- 2) 1st Flow Start: 1200.
- 3) 1st Flow End : 1953.
- 4) END 1st Shutin:10206.
- 14) Final Hydro. :17196.



ZI ELECTRONIC
GAUGE.

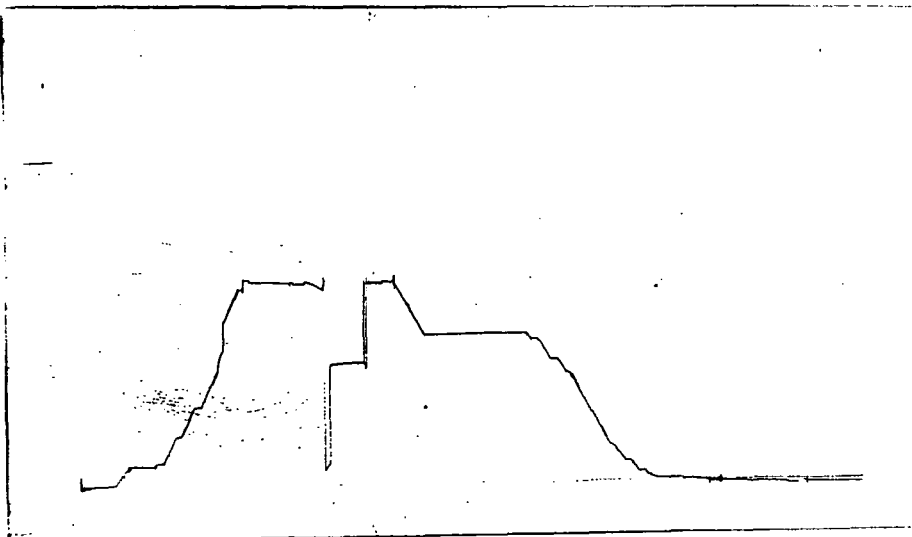
TEST TIMES (MIN)
1st FLOW : 9.0
SHUTIN: 59.5

PRESSURE RECORDER NUMBER : 008680

DEPTH : 1514.00m LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 41400.00 kPa

PRESSURE
kPa

- 1) Initial Hydro :17246.
- 2) 1st Flow Start: 1304.
- 3) 1st Flow End : 1941.
- 4) END 1st Shutin:10289.
- 14) Final Hydro. :17246.



DST#05
PARAMOUNT ET AL CAMERON
1511.00m to 1530.10m

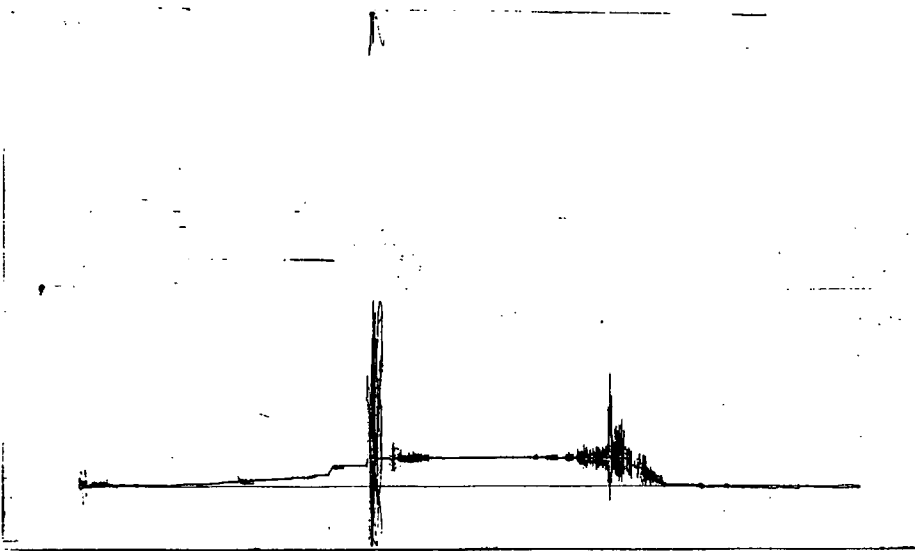
PRESSURE RECORDER NUMBER : 012309

DEPTH : 1500.00m
TYPE : K-3

LOCATION : INSIDE
CAPACITY : 42100.00 kPa

PRESSURE
kPa

1)Initial Hydro :
2)1st Flow Start: 927.
3)1st Flow End : 1265.
4)END 1st Shutin: 2203.
14)Final Hydro. :



ABOVE HYDRAULIC
TOOL.

TEST TIMES(MIN)
1st FLOW : 9.0
SHUTIN: 59.5

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