

RANGER ET AL LITTLE BEAR M-39
00/ 64.816 / 126.373 /00
DST# 1

Formation: Imperial
Interval - from: 1,388.00 **to:** 1,408.00 meters
Recorder# 71130 at 1,390.00 meters

Test Date: 1998-03-16
Test Type : Conventional Straddle (Blank Off)

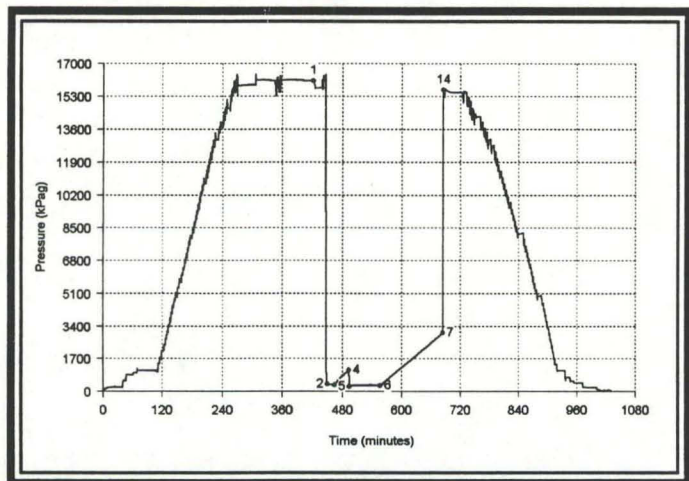
Blow Description:

PREFLOW: Strong air blow decreasing to fair, steady throughout. No gas to surface.

FINAL FLOW: Strong air blow decreasing to weak, steady throughout. No gas to surface.

Remarks:

Mechanically successful test. Results suggest very low permeability within the interval tested.



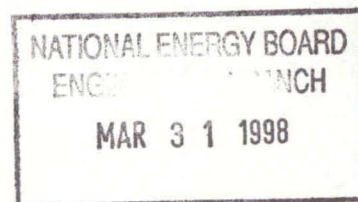
Max Btm Hole Temperature @ FSI: 61.5 C

		Pressure (kPag)	Time (min)	Extrapolated Pressure (kPag)
1	Initial Hydrostatic	16071		
2	Start of 1st Flow	346		
3	End of 1st Flow	303	14.0	
4	End of 1st Shut-in	1071	29.5	
5	Start of 2nd Flow	228		
6	End of 2nd Flow	268	62.0	
7	End of 2nd Shut-in	3032	127.5	
14	Final Hydrostatic	15605		

Liquid Recovery 7.00 meters

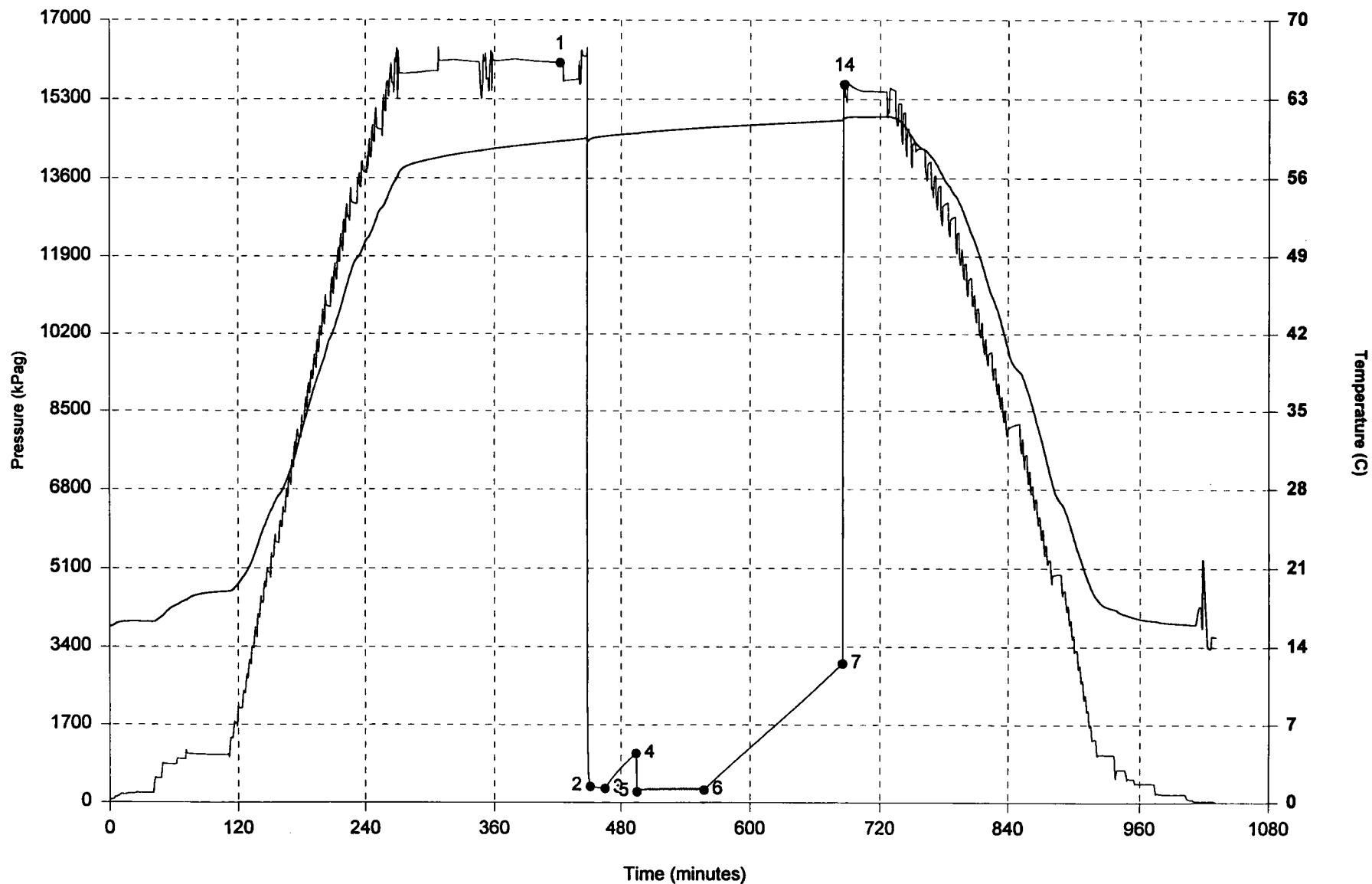
Salinity : 660 g/m3

Recovery	Description
7.00 m	DRILLING MUD



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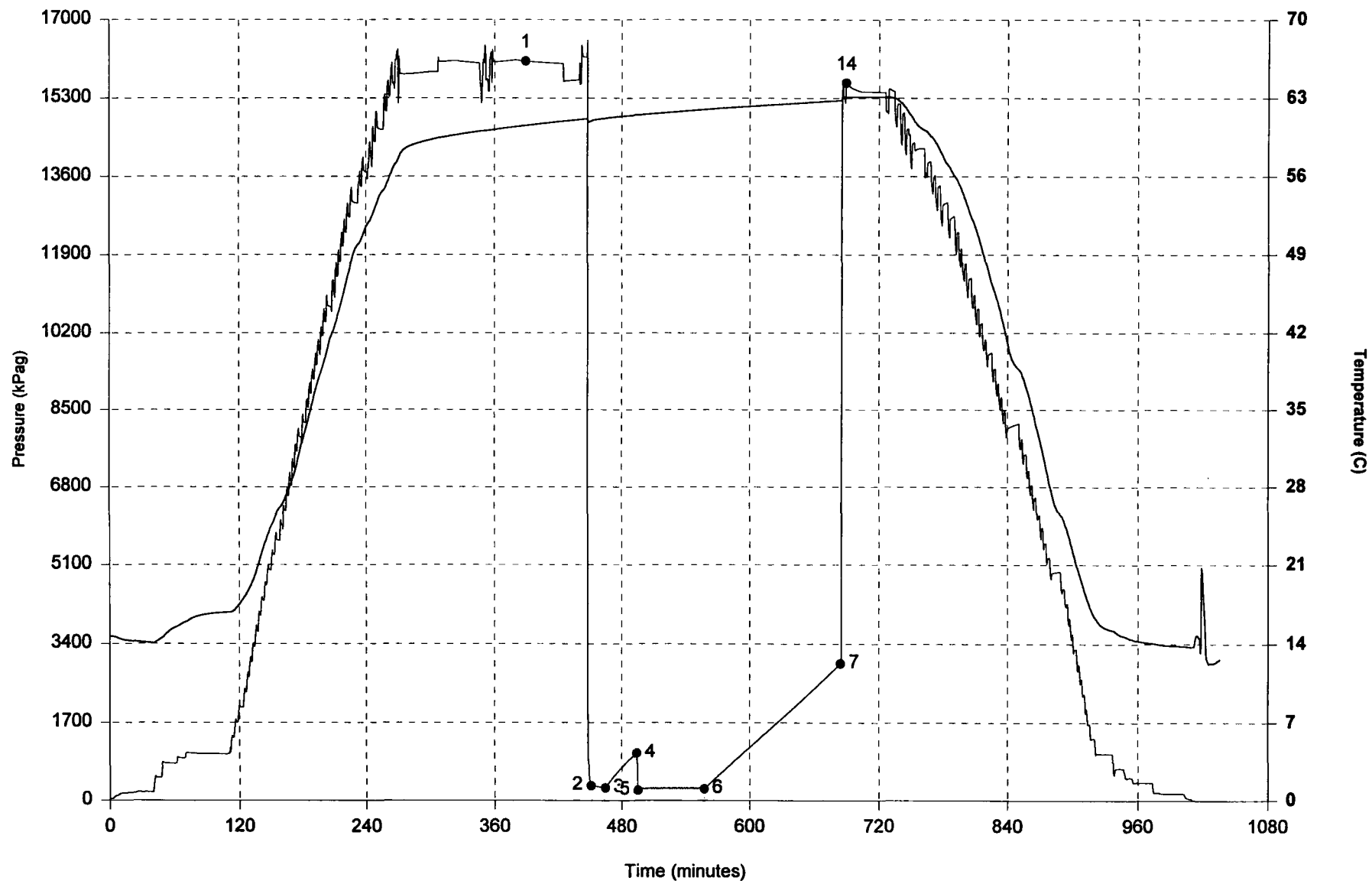
Pressure (kPag) at Critical Points:
1: 16071 4: 1071 7: 3032
2: 346 5: 228 14: 15605
3: 303 6: 268



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Recorder: 71122

Pressure (kPag) at Critical Points:
1: 16094 4: 1032 7: 2977
2: 318 5: 215 14: 15625
3: 273 6: 247

Second electronic gauge



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General Information:

Operator: Ranger Oil (Canada) Limited
1600, 321 - 6th Ave. S.W.
Calgary Alberta T2P 3H3

Licence#: 1838

Tester: March J

Ticket#: 806936

Reverse Circulated? N

KB Elevation: 259.12 meters

Ground Elevat'n: 372.00 meters

Total Depth: 1,550.00 meters

Mud Data:

Weight: 1135 kg/m3

Type: Gel Chemical

Viscosity: 77 s/l

Water Loss: 8.0 cc/s

Filter Cake: 1.0 mm

Hole Data:

Drilled Hole Size: 222 mm

Calipered Hole Size: 226 mm

Hole Condition at Test Time: Fair

Conditioned prior to this test? N

Recorder Summary:

<i>Recorder#</i>	<i>Type</i>	<i>Location</i>	<i>Capacity</i>	<i>Units</i>	<i>Depth</i>	<i>Comments</i>
9495	K-3	Inside	21000	kPag	1,373.00	Recovery Recorder
13131	K-3	Inside	19700	kPag	1,379.00	Above Interval
71122	SPAR	Outside	34500	kPag	1,390.00	Second electronic gauge
71130	SPAR	Outside	68900	kPag	1,390.00	
9995	K-3	Outside	21000	kPag	1,549.00	Below Interval - Loaded Incorrectly

Distributions:

Reports Sent To: Don Sorkilmo

Fluid Samples - no of: 2

<i>Bottom Hole Sampler#</i>	<i>Sent To</i>
311	

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Tool Sequence:

<i>Diagram</i>	<i>Description</i>	<i>Length</i>
	Pump Out Sub	0.33 m
	Cross Over Sub	0.30 m
	Pump Out Sub	0.33 m
	Recorder Carrier	1.38 m
	Rotating Shut-in Tool	2.58 m
	Bottom Hole Sampler	1.03 m
	Hydraulic Tool	1.50 m
	Recorder Carrier	1.38 m
	Hydraulic Jars	2.22 m
	Safety Joint	0.65 m
	Bypass Hanger Sub	0.25 m
	Conventional Packer	2.28 m
	Conventional Packer	1.24 m
	Packer Stick Down	1.04 m
	Bypass Receiver Sub	0.25 m
	Recorder Carrier	2.02 m
	Spacing	16.71 m
	Packer Stick Up	0.45 m
	Conventional Packer	1.83 m
	Conventional Packer	2.28 m
	Spacing	136.44 m
	Perforations	1.50 m
	Anchor Shoe (Bull Nose)	0.60 m

Tool String Length:	178.59 m
Drill Collar I.D.: 74 mm	74.65 m
Drill Pipe O.D.: 114 mm	1,306.40 m
Collar Pipe Total:	1,381.05 m
Stick Up:	8.52 m
Tool Above:	15.47 m
Interval Tested:	20.00 m
Bottom Hole Choke Size:	25.40 mm

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Recorder# 13131

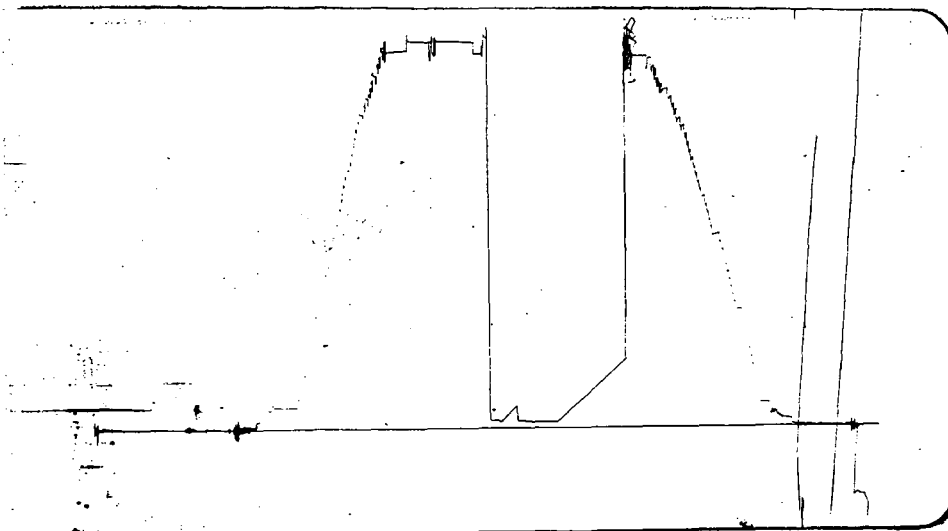
Depth: 1,379.00 m

Location: Inside

Recorder Type: K-3

Capacity: 19,700 kPag

Comments: Above Interval



		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	15981	
2	Start of 1st Flow	335	
3	End of 1st Flow	326	14.0
4	End of 1st Shut-in	974	29.5
5	Start of 2nd Flow	307	
6	End of 2nd Flow	246	62.0
7	End of 2nd Shut-in	2933	127.5
14	Final Hydrostatic	15599	

Recorder# 71122

Depth: 1,390.00 m

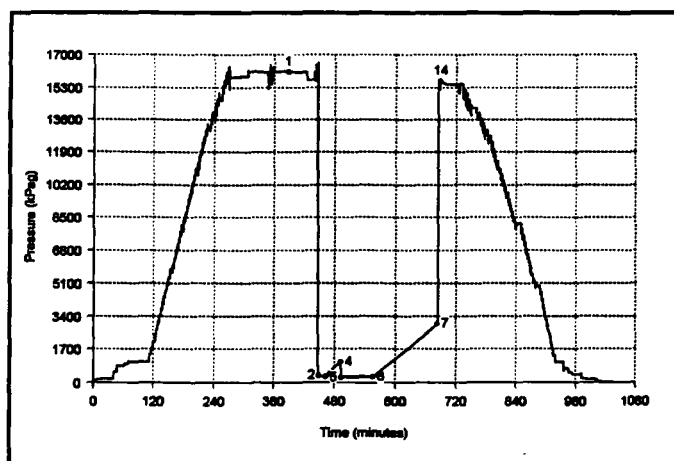
Temperature: 61.9 C

Location: Outside

Recorder Type: SPAR

Capacity: 34,500 kPag

Comments: Second electronic gauge



		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	16094	
2	Start of 1st Flow	318	
3	End of 1st Flow	273	14.0
4	End of 1st Shut-in	1032	29.5
5	Start of 2nd Flow	215	
6	End of 2nd Flow	247	62.0
7	End of 2nd Shut-in	2977	127.5
14	Final Hydrostatic	15625	

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DST# 1

Recorder# 71130

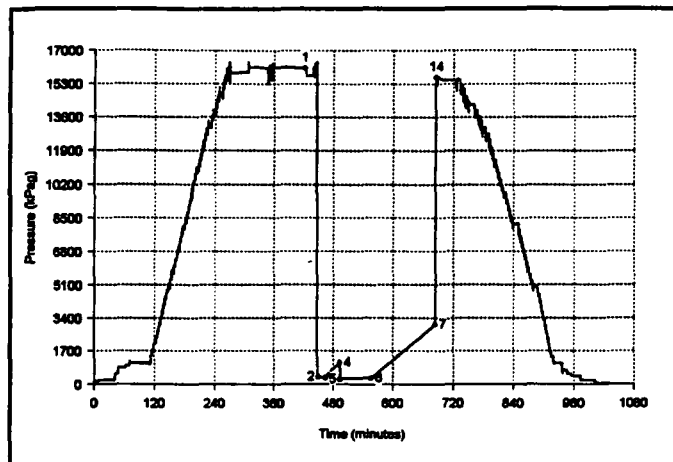
Depth: 1,390.00 m

Temperature: 61.5 C

Location: Outside

Recorder Type: SPAR

Capacity: 68,900 kPag



		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	16071	
2	Start of 1st Flow	346	
3	End of 1st Flow	303	14.0
4	End of 1st Shut-in	1071	29.5
5	Start of 2nd Flow	228	
6	End of 2nd Flow	268	62.0
7	End of 2nd Shut-in	3032	127.5
14	Final Hydrostatic	15605	

Recorder# 9495

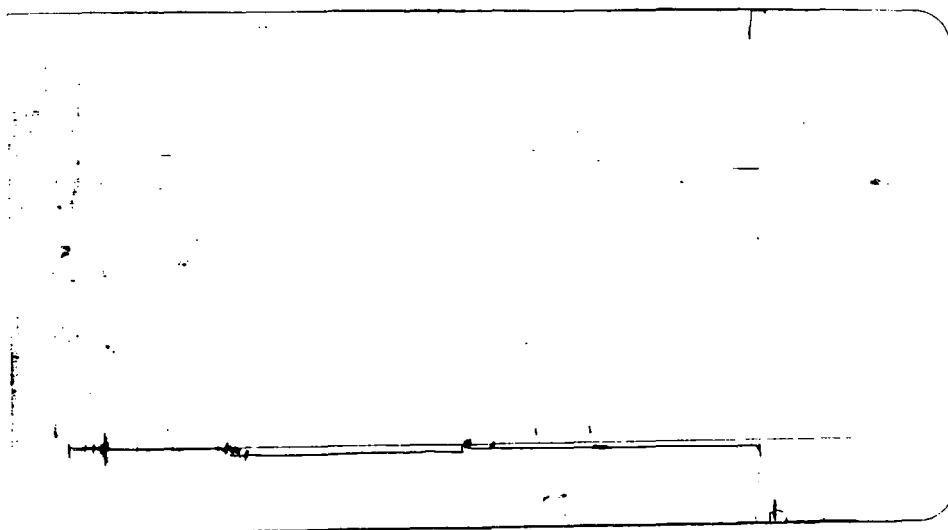
Depth: 1,373.00 m

Location: Inside

Recorder Type: K-3

Capacity: 21,000 kPag

Comments: Recovery Recorder



		Pressure (kPag)	Time (min)
2	Start of 1st Flow	0	
3	End of 1st Flow	298	14.0
5	Start of 2nd Flow	152	
6	End of 2nd Flow	91	62.0
7	End of 2nd Shut-in	91	127.5

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Recorder# 9995

Depth: 1,549.00 m

Location: Outside

Recorder Type: K-3

Capacity: 21,000 kPag

**Comments: Below Interval -
Loaded Incorrectly**

