



PARAMOUNT BERKLEY ARROWHEAD O-

15

00/ 60.245 / 123.023 /0

DST# 3

Baker Oil Tools

Formation: Slave Point

Interval - from: 3,033.00 to: 3,044.00 meters

Test Date: 1999-03-01

Test Type : Inflate Straddle

Recorder# 20657 at 3,035.00 meters

Blow Description:

PREFLOW: Strong air blow in 4 minutes then steady throughout. No gas to surface.

FINAL FLOW: Opened tool had no blow. Cycled tool several times still no blow.

		Pressure (kPag)	Time (min)	Extrapolated Pressure (kPag)
1	Initial Hydrostatic	31464		
2	Start of 1st Flow	19403		
3	End of 1st Flow	26039	10.0	
4	End of 1st Shut-in	30131	60.0	30201.2
5	Start of 2nd Flow	30163		
6	End of 2nd Flow	30293	60.0	
7	End of 2nd Shut-in	30312	120.0	
14	Final Hydrostatic	31464		

Remarks:

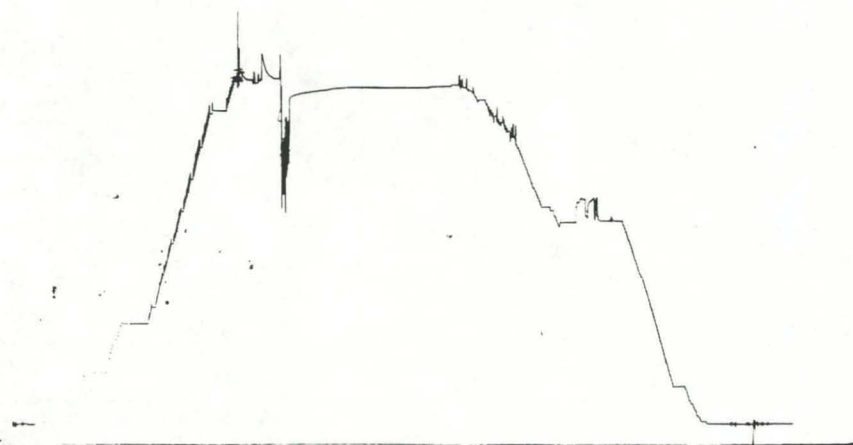
The test results indicate a zone of relatively high permeability. The flow pressures indicate some plugging during the preflow and total plugging of the tool during the final flow. No valid electronic gauge data from the interval recorder was obtained due to the high temperature. The salt water has lots of gas trapped with it under the fluid cushion. Very noticeable break between cushion and produced water. One drill collar was plugged completely with sand. The top recorder carrier, pressure activated pump out sub and cross-over sub all plugged.

Liquid Recovery 1,700.00 meters

Salinity : 142 000 g/m3

Recovery	Description
870.00 m	Invert cushion
830.00 m	Gasified salt water

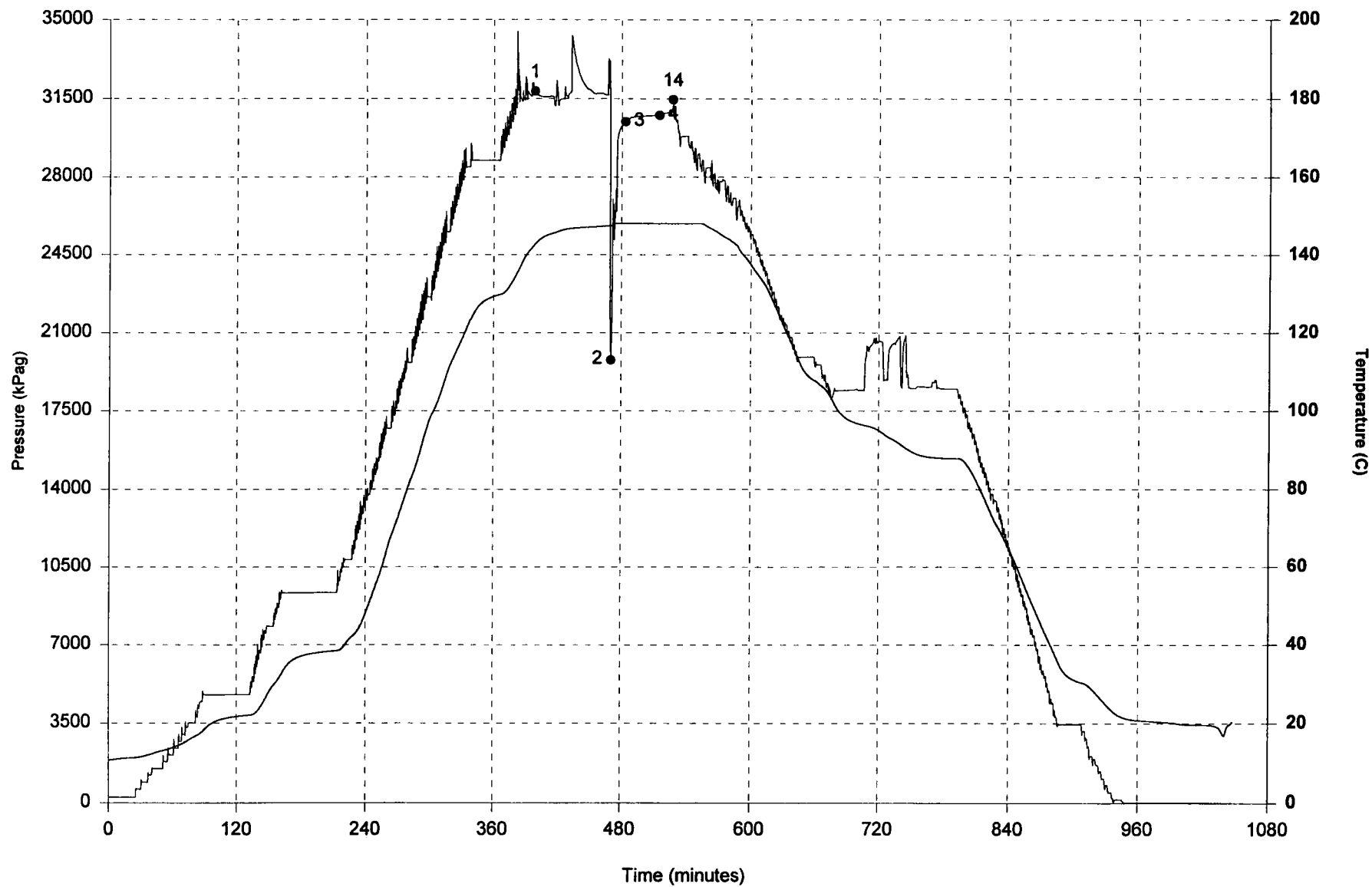
MICROFILMED
SUR MICROFILM:



PARAMOUNT BERKLEY ARROWHEAD O-15
 00/ 60.245 / 123.023 / 0
 DST #: 3
 Recorder: R62

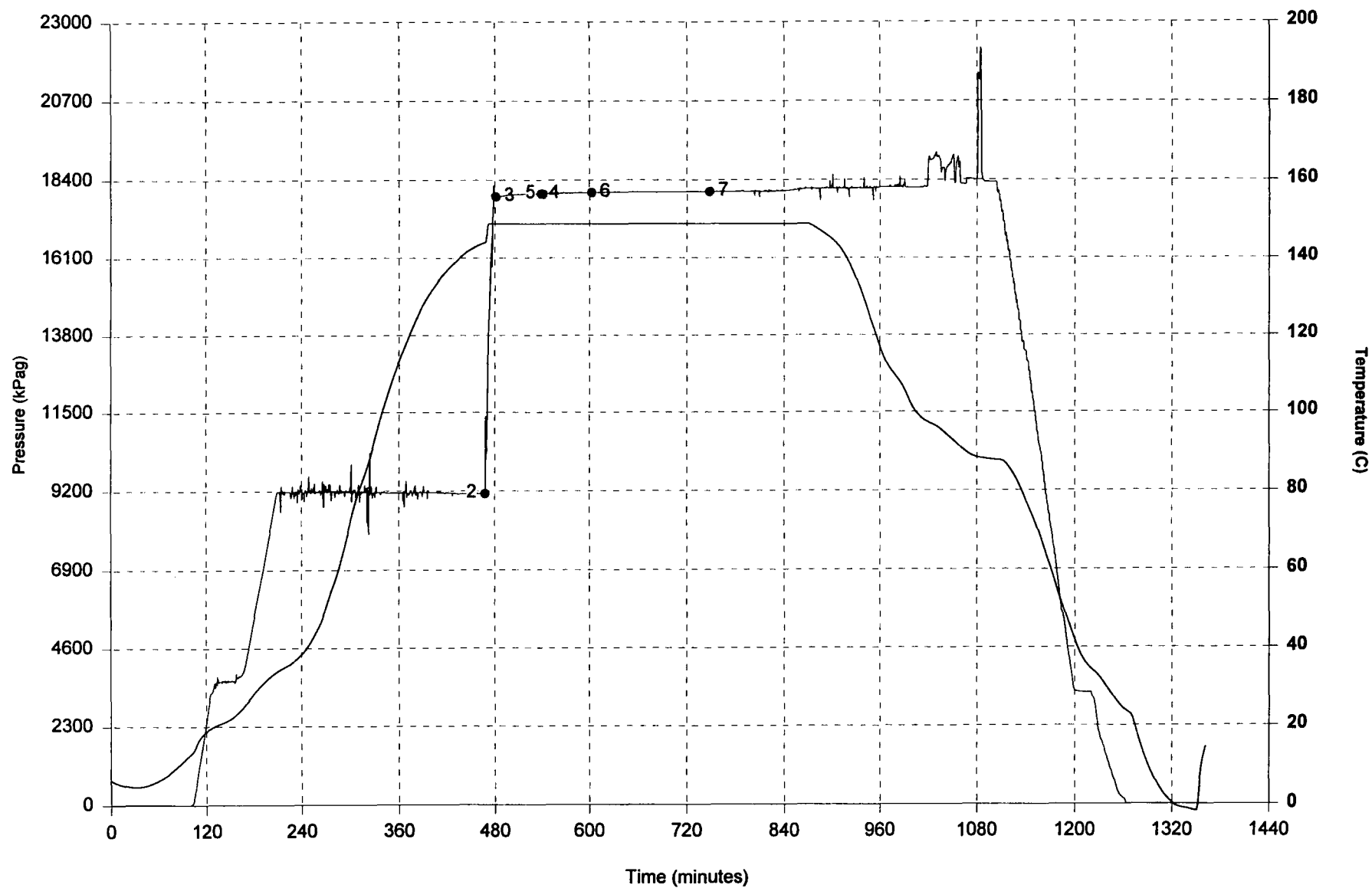
Pressure (kPag) at Critical Points:
 1: 31822 4: 30745
 2: 19781 14: 31444
 3: 30466

Invalid data



PARAMOUNT BERKLEY ARROWHEAD O-15
00/ 60.245 / 123.023 /0
DST #: 3
Recorder: S58

Pressure (kPag) at Critical Points:
2: 9120 5: 17995
3: 17914 6: 18026
4: 17995 7: 18049



PARAMOUNT BERKLEY ARROWHEAD O-15
00/ 60.245 / 123.023 /0
DST# 3

General Information:

Operator: Paramount Resources Ltd.
4000, 350 - 7th Avenue S.W.
Calgary Alberta T2P 3W5

Tester: Willis K

Ticket#: 808844

Reverse Circulated? N

KB Elevation: 387.00 meters

Ground Elevat'n: 380.50 meters

Total Depth: 3,301.00 meters

Cushion: Invert 870.00 meters

Mud Data:

Weight: 1070 kg/m3
Type: Invert
Viscosity: 54 s/l

Hole Data:

Drilled Hole Size: 156 mm
Calipered Hole Size: 156 mm
Hole Condition at Test Time: Fair
Conditioned prior to this test? N

Recorder Summary:

Recorder#	Type	Position	Capacity	Units	Depth	Comments
S58	ZI	Inside	68900	kPag	3,019.00	Above interval - clock stopped
13085	K-3	Inside	42000	kPag	3,024.00	
20657	K-3	Outside	42400	kPag	3,035.00	
R62	ZI	Outside	68900	kPag	3,035.00	Invalid data

Distributions:

Reports Sent To: Wayne Tomm

Fluid Samples - no of: 8 Sent To: AGAT

Bottom Hole Sampler#	Sent To
Yes	AGAT

PARAMOUNT BERKLEY ARROWHEAD O-15
00/ 60.245 / 123.023 /0
DST# 3

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
	Hydraulic Tool	1.50 m
	Bottom Hole Sampler	1.03 m
	Bottom Hole Sampler	1.03 m
	Recorder Carrier	1.38 m
	Hydraulic Jars	2.22 m
	Safety Joint	0.65 m
	Inflate Pump	2.38 m
	Screen	1.16 m
	Top Inflate Packer	1.78 m
	Packer Stick Down	0.82 m
	Port Sub	0.42 m
	Recorder Carrier	2.06 m
	Spacing	7.28 m
	Packer Stick Up	0.42 m
	Bottom Inflate Packer	1.90 m
	Perforations	0.61 m
	Belly Spring	2.00 m

Tool String Length:	30.98 m
Drill Collar I.D.: 61 mm	304.08 m
Drill Pipe O.D.: 89 mm	2,718.54 m
Collar Pipe Total:	3,022.62 m
Stick Up:	5.09 m
Tool Above:	15.47 m
Interval Tested:	11.00 m
Bottom Hole Choke Size:	25.40 mm

PARAMOUNT BERKLEY ARROWHEAD O-15
00/ 60.245 / 123.023 /0
DST# 3
Recorder# R62

Build-up and Flow Curve Increments

Flow# 1

Chart Label	Time (min)	Pressure (kPag)
2	0.0	19403
3	10.0	26039

Shut-in# 1

Chart Label	Time (min)	Delta P (kPag)	Pressure (kPag)	Abscissa (T+dT)/dT	Used for Extrap
	0.0		26039		
	0.7	3029	29068	15.6628	
	3.0	3477	29516	4.2884	
	4.9	3544	29583	3.0576	
	7.4	3610	29649	2.3532	
	9.5	3642	29681	2.0502	*
	11.6	3679	29718	1.8645	*
	13.6	3711	29750	1.7376	*
	15.4	3745	29784	1.6491	*
	17.9	3771	29810	1.5585	*
	19.8	3791	29830	1.5055	*
	21.7	3812	29851	1.4611	*
	23.5	3833	29872	1.4254	*
	25.2	3849	29888	1.3962	*
	27.5	3874	29913	1.3635	*
	29.9	3892	29931	1.3344	*
	32.4	3920	29959	1.3089	*
	34.9	3936	29975	1.2867	*
	37.5	3961	30000	1.2669	*
	40.2	3981	30020	1.2488	*
	44.1	4012	30051	1.2270	*
	47.5	4037	30076	1.2104	*
	50.9	4059	30098	1.1966	*
	54.4	4071	30110	1.1839	*
4	60.0	4092	30131	1.1667	*

Flow# 2

Chart Label	Time (min)	Pressure (kPag)
5	0.0	30163
6	60.0	30293

Shut-in# 2

Chart Label	Time (min)	Delta P (kPag)	Pressure (kPag)	Abscissa (T+dT)/dT	Used for Extrap
7	120.0	20	30312	1.5833	

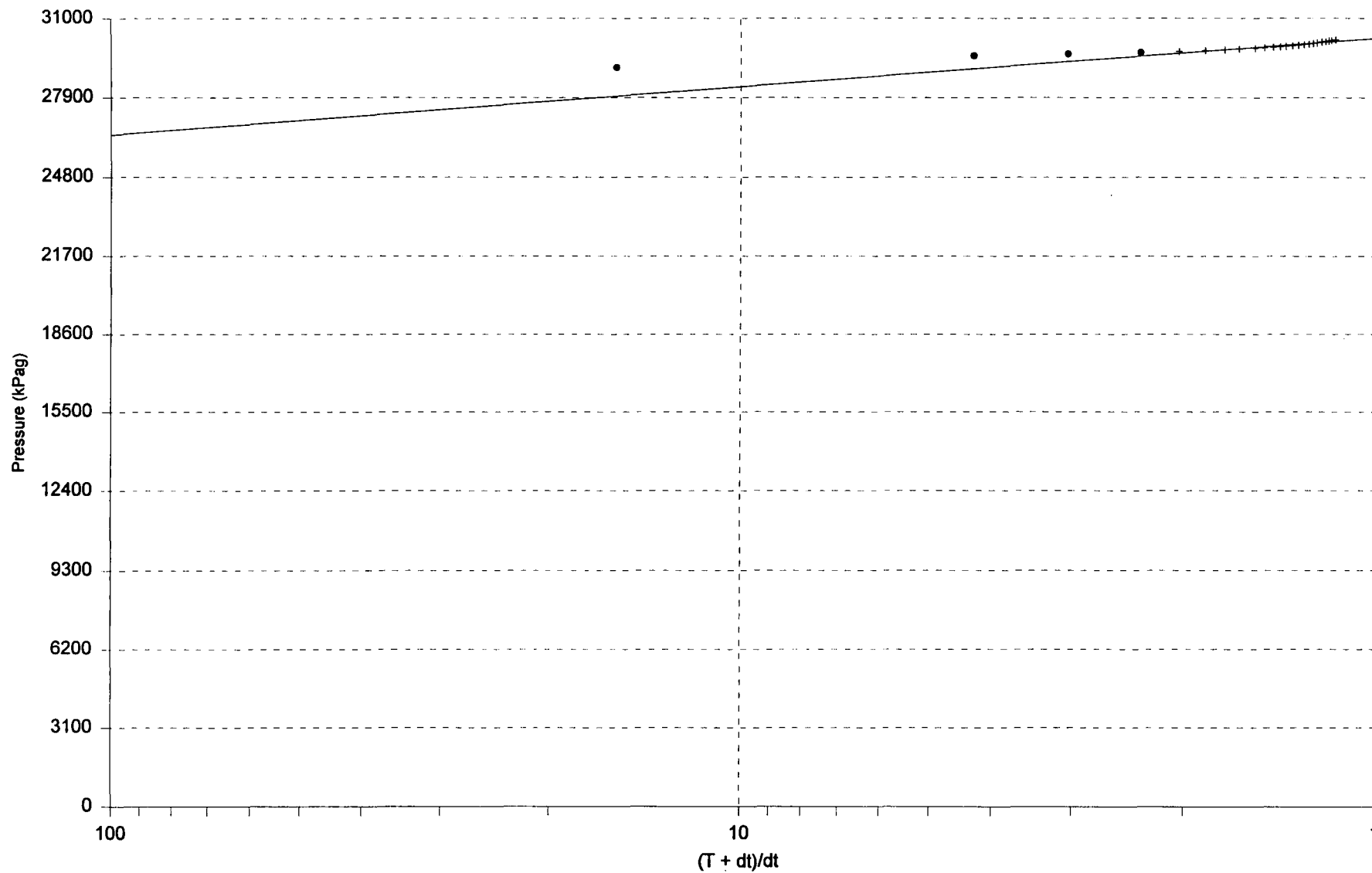
Horner Extrapolation:

Shut-in#	Extrapolated Pressure (kPag)	Extrapolated Slope ((kPag/cycle)
1	30201.2	1,890.94399

Note: Increment listing is filtered to include critical data only. Complete time/pressure data is available in electronic or printed format.

PARAMOUNT BERKLEY ARROWHEAD O-15
 00/ 60.245 / 123.023 / 0
 DST #: 3
 Recorder: 20657

Shut-in #1
 Slope = 1890.95 kPag/cycle
 Extrapolated Pressure = 30201.20 kPag

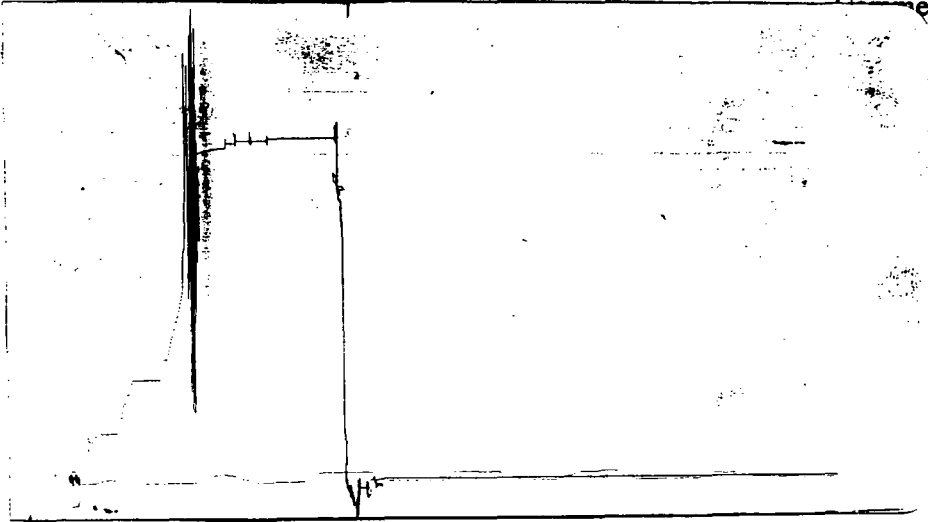


PARAMOUNT BERKLEY ARROWHEAD O-15
00/ 60.245 / 123.023 /0
DST# 3

Recorder# 13085

Depth: 3,024.00 m
Location: Inside

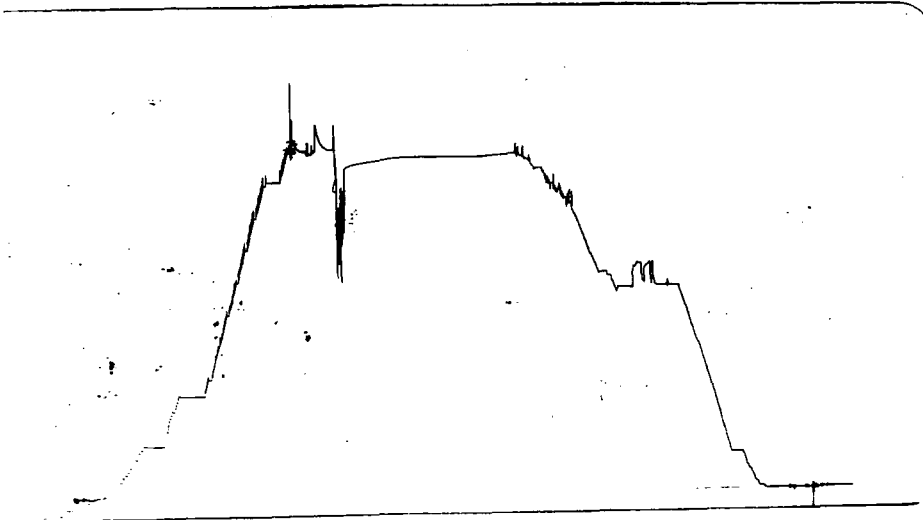
Recorder Type: K-3
Capacity: 42,000 kPag
Comments: Above interval - clock stopped



Recorder# 20657

Depth: 3,035.00 m
Location: Outside

Recorder Type: K-3
Capacity: 42,400 kPag



		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	31464	
2	Start of 1st Flow	19403	
3	End of 1st Flow	26039	10.0
4	End of 1st Shut-in	30131	60.0
5	Start of 2nd Flow	30163	
6	End of 2nd Flow	30293	60.0
7	End of 2nd Shut-in	30312	120.0
14	Final Hydrostatic	31464	

PARAMOUNT BERKLEY ARROWHEAD O-15

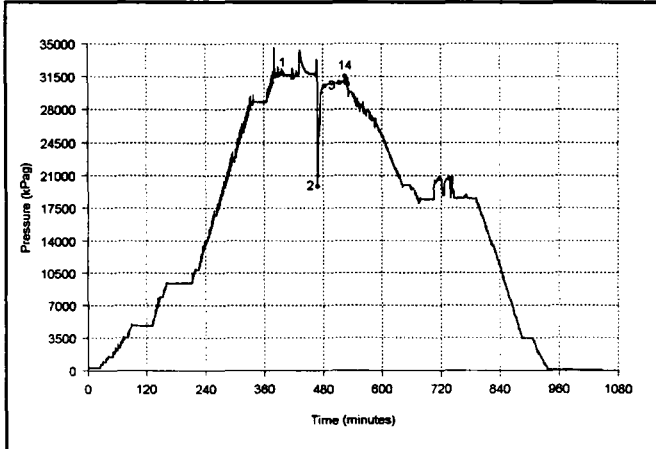
00/ 60.245 / 123.023 /0

DST# 3

Recorder# R62

Depth: 3,035.00 m
Location: Outside

Recorder Type: ZI
Capacity: 68,900 kPag
Comments: Invalid data

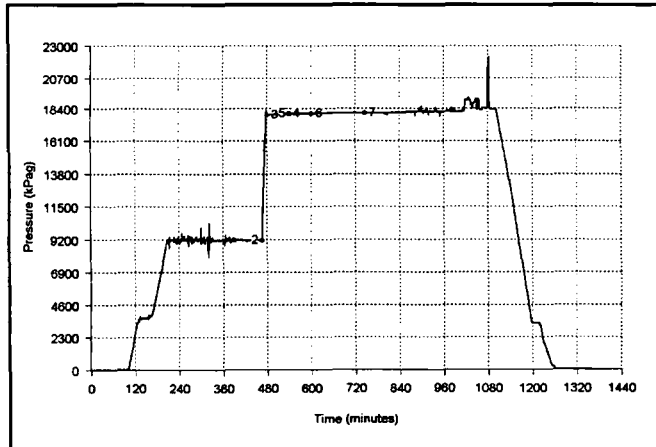


		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	31822	
2	Start of 1st Flow	19781	
3	End of 1st Flow	30466	10.0
4	End of 1st Shut-in	30745	60.0
14	Final Hydrostatic	31444	

Recorder# S58

Depth: 3,019.00 m
Location: Inside

Recorder Type: ZI
Capacity: 68,900 kPag



		Pressure (kPag)	Time (min)
2	Start of 1st Flow	9120	
3	End of 1st Flow	17914	10.0
4	End of 1st Shut-in	17995	60.0
5	Start of 2nd Flow	17995	
6	End of 2nd Flow	18026	60.0
7	End of 2nd Shut-in	18049	120.0