

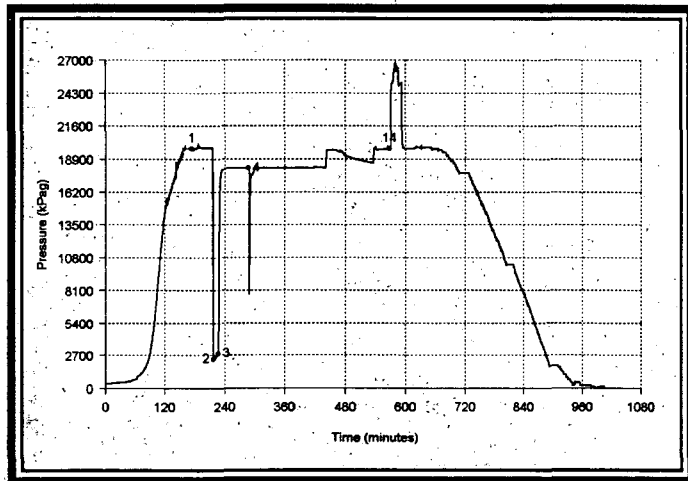


PARAMOUNT ET AL LIARD F-36
00/ 60.091 / 123.367 / 0
DST# 7

Baker Oil Tools

Formation: Mattson
Interval - from: 1,757.00 to: 1,792.00 meters

Recorder# N10 at 1,758.00 meters



Max Btm Hole Temperature @ FSI: 62.2 C

		Pressure (kPag)	Time (min)	Extrapolated Pressure (kPag)
1	Initial Hydrostatic	19747		
2	Start of 1st Flow	2358		
3	End of 1st Flow	2808	10.5	
4	End of 1st Shut-in	18152	59.5	18171.8
14	Final Hydrostatic	19732		

Liquid Recovery 1,750.00 meters

Recovery	Description
1,750.00 m	Estimated mud recovery

Test Date: 1999-01-26
Test Type: Inflate Straddle

Blow Description:

PREFLOW: Strong initial puff with a strong air blow in 45 seconds. Gas to surface in 2.5 minutes building throughout.

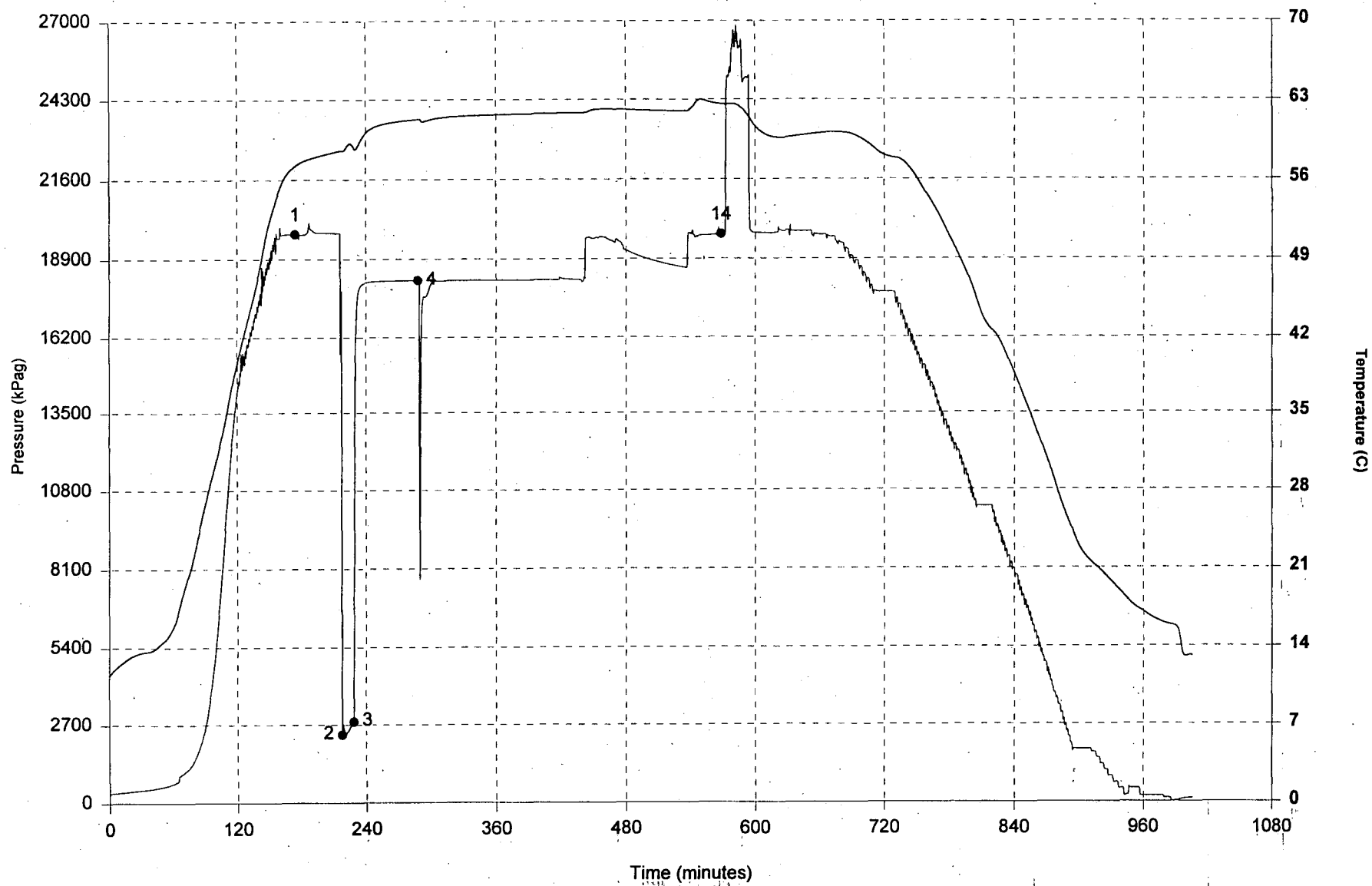
Remarks:

The available results suggest average permeability within the interval tested. Opened the tool for the final flow and the mud dropped. The recorders indicate that the seat was not lost but mud was entering the drill string. It took 4 m3 of mud to fill the annulus. As the real time indicated that the seat was not lost but a large volume of mud had been picked up, opened the tool again and flowed 5 liters of fluid. Closed the tool and pulled out of the hole. The data after the initial shut-in is affected by this large mud recovery. It is estimated that approximately 30 meters of fluid was produced during the preflow and an additional 1720 meters of mud was picked up.

Flow#	Time (min)	Surface Choke (mm)	Surface Pressure (kPag)	Gas Rate (m3/day)
1	5	19.05	360	26.877
1	10	19.05	510	35.902

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Recorder: N10

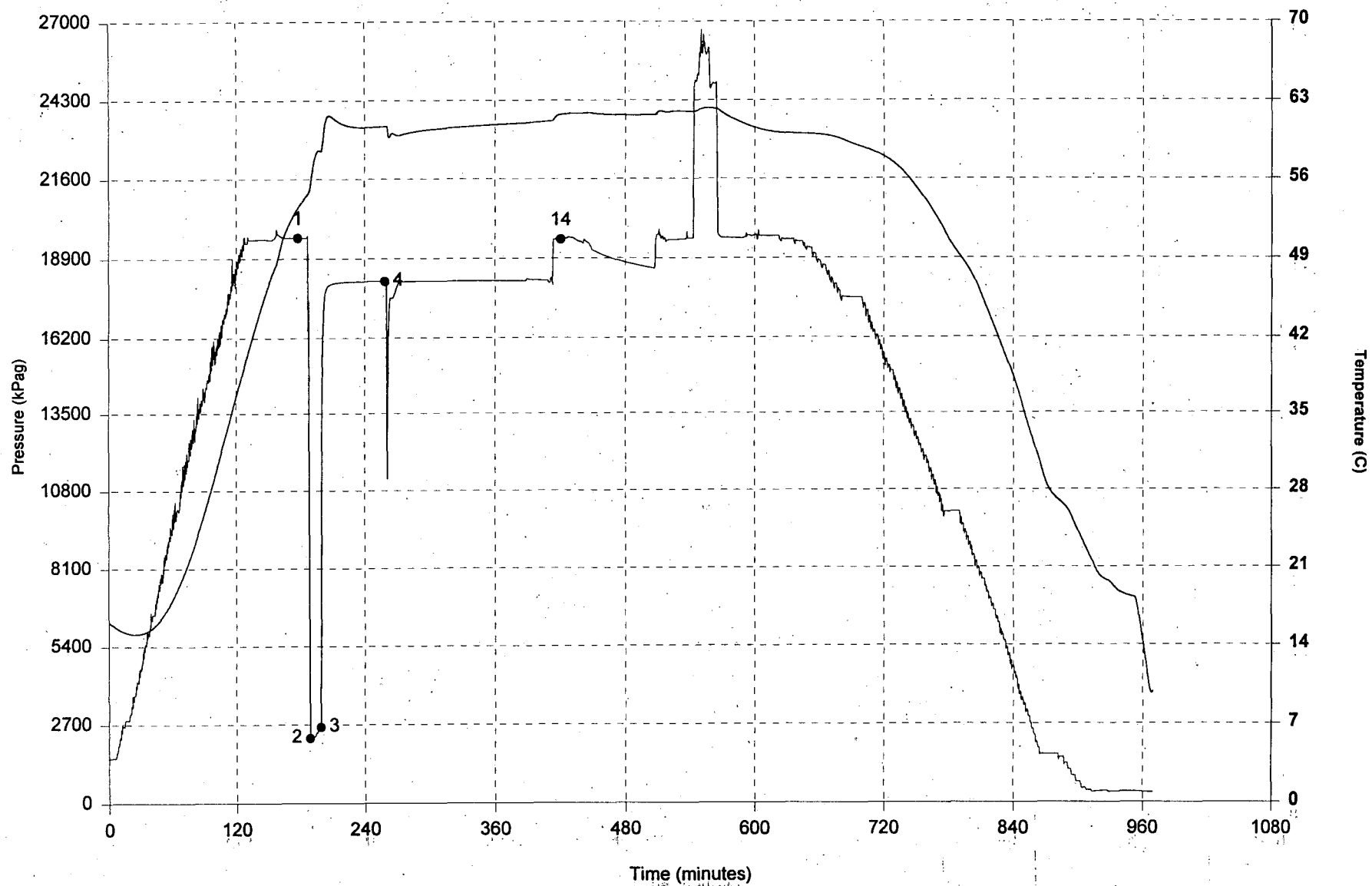
Pressure (kPag) at Critical Points:
1: 19747 4: 18152
2: 2358 14: 19732
3: 2808



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Recorder: M64

Pressure (kPag) at Critical Points:
1: 19598 4: 18115
2: 2229 14: 19539
3: 2613

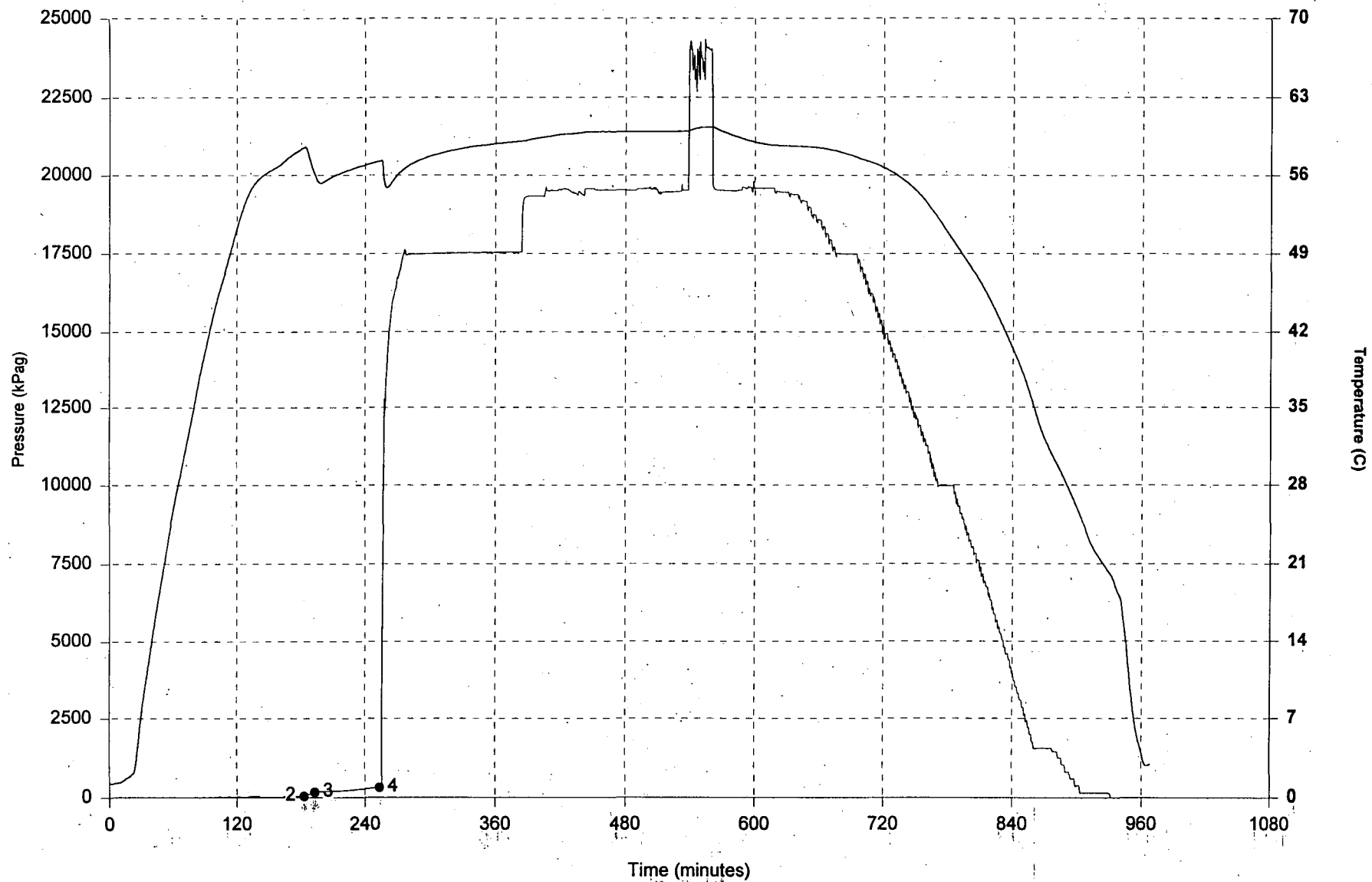
Above interval



PARAMOUNT ET AL LIARD F-36
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DST #: 7
Recorder: K3

Pressure (kPag) at Critical Points:
2: 37
3: 158
4: 308

Recovery recorder



PARAMOUNT ET AL LIARD F-36
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DST# 7

General Information:

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

Licence#: 1841

Tester: Prysunka S

Ticket#: 807463

Reverse Circulated? Y

KB Elevation: 470.30 meters

Ground Elevat'n: 464.80 meters

Total Depth: 1,968.00 meters

Mud Data:

Weight: 1130 kg/m3

Type: Invert

Viscosity: 56 s/l

Filter Cake: 1.0 mm

Hole Data:

Drilled Hole Size: 156 mm

Calipered Hole Size: 160 mm

Hole Condition at Test Time: Good

Conditioned prior to this test? Y

Recorder Summary:

Recorder#	Type	Position	Capacity	Units	Depth	Comments
K3	ZI	Inside	68900	kPag	1,738.00	Recovery recorder
M64	ZI	Inside	68900	kPag	1,743.50	Above interval
21419	K-3	Outside	21000	kPag	1,758.00	
N10	ZI	Outside	34500	kPag	1,758.00	

Distributions:

Reports Sent To: Wayne Tomm

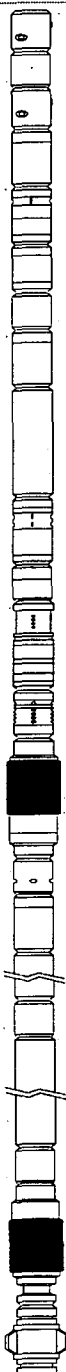
Fluid Samples - no of: 10 Sent To: AGAT

Gas Bomb#	Sent To
701	AGAT
702	AGAT

Bottom Hole Sampler#	Sent To
77	AGAT

PARAMOUNT ET AL LIARD F-36
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DST# 7

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	2.06 m
	Choke Sub	0.31 m
	Recorder Carrier	1.38 m
	Real Time Gauge	4.29 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	2.89 m
	Cross Over Sub	0.30 m
	Drill Collar	27.79 m
	Cross Over Sub	0.30 m
	Packer Stick Up	0.42 m
	Bottom Inflate Packer	1.90 m
	Belly Spring	2.30 m

Tool String Length:	59.27 m
Drill Collar I.D.: 58 mm	130.73 m
Drill Pipe O.D.: 89 mm	1,608.83 m
Collar Pipe Total:	1,739.56 m
Stick Up:	2.63 m
Tool Above:	20.07 m
Interval Tested:	35.00 m
Bottom Hole Choke Size:	12.70 mm

PARAMOUNT ET AL LIARD F-36

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DST# 7

Recorder# K3

Build-up and Flow Curve Increments

Flow# 1

Shut-in# 1

Chart Label	Time (min)	Pressure (kPag)	Chart Label	Time (min)	Delta P (kPag)	Pressure (kPag)	Abscissa (T+dT)/dT	Used for Extrapolation	Pressure**2 (kPag^2/10^6)
2	0.0	2358		0.0		2808			
	1.0	2641		1.5	11549	14358	8.0000		206.1426
	2.0	2502		3.0	14453	17261	4.5000		297.9553
	3.0	2411		4.5	14995	17803	3.3333		316.9422
	4.0	2380		6.0	15144	17952	2.7500		322.2891
	5.0	2469		7.5	15206	18014	2.4000		324.5065
	6.0	2516		9.0	15238	18047	2.1667		325.6789
	7.0	2600		10.5	15258	18067	2.0000		326.4091
	8.0	2668		12.0	15273	18081	1.8750		326.9171
	9.0	2752		13.5	15283	18092	1.7778		327.3075
3	10.0	2802		15.0	15292	18100	1.7000		327.6068
	10.5	2808		16.5	15298	18107	1.6364		327.8463
				18.0	15304	18112	1.5833		328.0428
				19.5	15308	18117	1.5385		328.2096
				21.0	15312	18120	1.5000		328.3384
				22.5	15315	18123	1.4667		328.4518
				24.0	15318	18126	1.4375	*	328.5543
				25.5	15320	18129	1.4118	*	328.6525
				27.0	15322	18131	1.3889	*	328.7250
				28.5	15325	18133	1.3684	*	328.8060
				30.0	15326	18135	1.3500	*	328.8668
				31.5	15328	18136	1.3333	*	328.9208
				33.0	15329	18138	1.3182	*	328.9763
				34.5	15330	18139	1.3043	*	329.0116
				36.0	15332	18140	1.2917	*	329.0694
				37.5	15333	18141	1.2800	*	329.1069
				39.0	15334	18142	1.2692	*	329.1380
				40.5	15335	18143	1.2593	*	329.1716
				42.0	15336	18144	1.2500	*	329.2123
				43.5	15336	18145	1.2414	*	329.2322
				45.0	15337	18146	1.2333	*	329.2680
				46.5	15338	18146	1.2258	*	329.2874
				48.0	15339	18147	1.2188	*	329.3207
				49.5	15339	18148	1.2121	*	329.3402
				51.0	15340	18148	1.2059	*	329.3613
				52.5	15341	18149	1.2000	*	329.3822
				54.0	15341	18150	1.1944	*	329.4051
				55.5	15342	18150	1.1892	*	329.4299
				57.0	15342	18151	1.1842	*	329.4488
				58.5	15343	18151	1.1795	*	329.4652
4				59.5	15343	18152	1.1765	*	329.4845

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

PARAMOUNT ET AL LIARD F-36**00/ 60.091 / 123.367 /0****DST# 7****Recorder# N10**

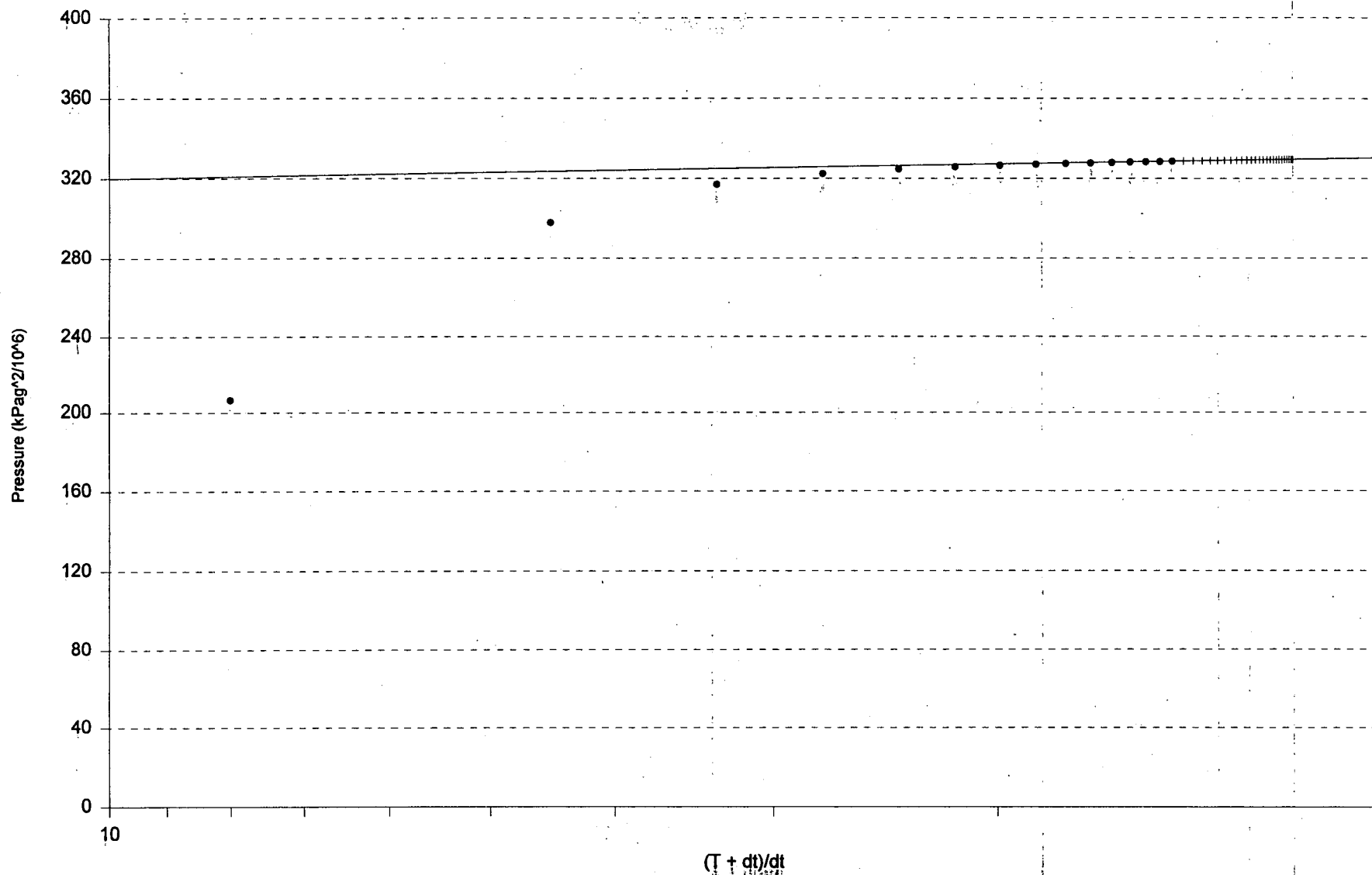
Build-up and Flow Curve Increments**Horner Extrapolation:**

<i>Shut-in#</i>	<i>Extrapolated Pressure (kPag)</i>	<i>Extrapolated Slope ((kPag²/10⁶)/cycle)</i>
1	18171.8	10.39091

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

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DST #: 7
Recorder: N10

Shut-in #1
Slope = 10.39 kPag²/10⁶/cycle
Extrapolated Pressure = 18171.75 kPag



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GAS RESERVOIR CALCULATIONS (Using Semi-log Analysis) :**Based on Shut-in# 1****Reservoir Parameters Used:**

Net Pay:	6.0 m	Specific Gravity:	0.600
Porosity:	17.0 %	Z Factor:	0.856
Temperature:	62.2 C	Viscosity:	0.017 mPa.s
Flow Rate:	35,902 m3/d	Compressibility:	5.2450e-5 / kPag
Flow Time:	10.5 min		
Final Flowing Pressure:	2808 kPag		
Horner Slope:	10.39091 (kPag**2 / 10**6) / cycle		
Horner Extrapolation:	18171.8 kPag		
Assumed Drainage Radius:	908.00 m		
Wellbore Radius:	77.80 mm		

Results:

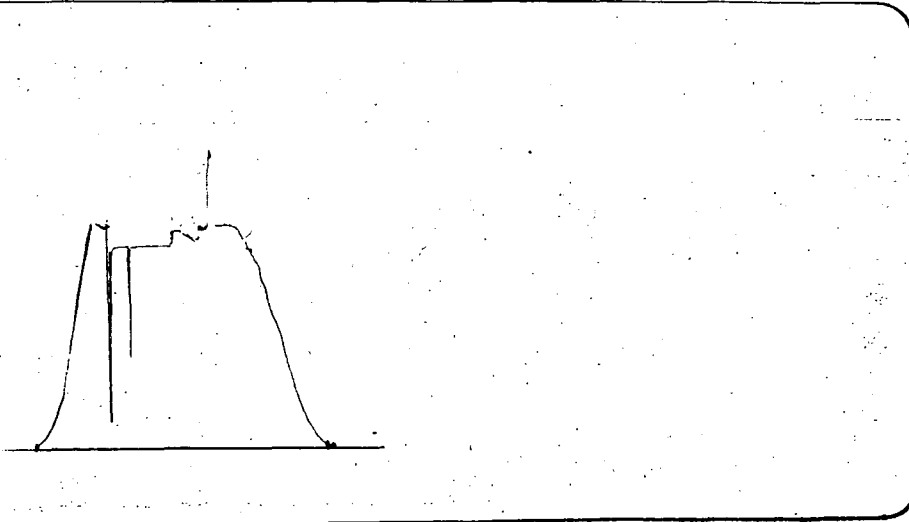
Effective Permeability:	4.19 mD
Transmissibility:	1,478.82 mD.m/mPa.s
Flow Capacity:	25.14 mD.m
Skin:	31.32
Pressure Drop Across Skin:	14,240.92 kPa
Radius of Investigation:	8.35 m
Calculated Damage Ratio:	8.14
AOF:	36,773.39 m3/d
AOF with Damage Removed:	299,336.11 m3/d
Est. Stabilized AOF (No Damage):	152,487.86 m3/d
Possible Depletion:	0.00 %

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Recorder# 21419

Depth: 1,758.00 m
 Location: Outside

Recorder Type: K-3
 Capacity: 21,000 kPag

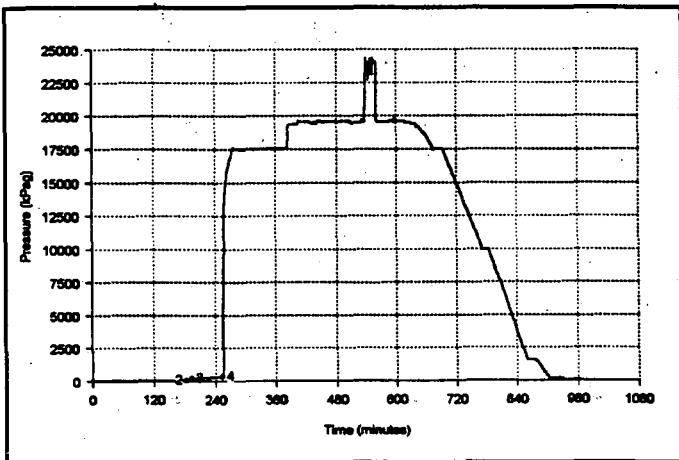


		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	19891	
2	Start of 1st Flow	2496	
3	End of 1st Flow	2722	10.5
4	End of 1st Shut-in	18150	59.5
14	Final Hydrostatic	19891	

Recorder# K3

Depth: 1,738.00 m
 Temperature: 59.9 C
 Location: Inside

Recorder Type: ZI
 Capacity: 68,900 kPag
 Comments: Recovery recorder



		Pressure (kPag)	Time (min)
2	Start of 1st Flow	37	
3	End of 1st Flow	158	10.5
4	End of 1st Shut-in	308	59.5

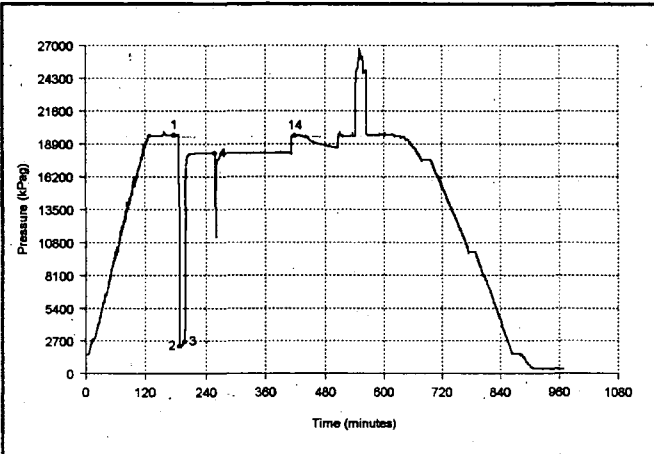
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Recorder# M64

Depth: 1,743.50 m
Temperature: 61.6 C
Location: Inside

Recorder Type: ZI
Capacity: 68,900 kPag
Comments: Above interval

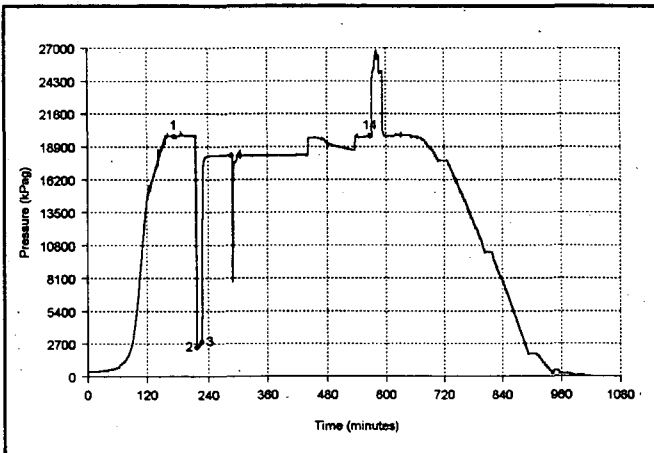


		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	19598	
2	Start of 1st Flow	2229	
3	End of 1st Flow	2613	10.5
4	End of 1st Shut-in	18115	59.5
14	Final Hydrostatic	19539	

Recorder# N10

Depth: 1,758.00 m
Temperature: 62.2 C
Location: Outside

Recorder Type: ZI
Capacity: 34,500 kPag



		Pressure (kPag)	Time (min)
1	Initial Hydrostatic	19747	
2	Start of 1st Flow	2358	
3	End of 1st Flow	2808	10.5
4	End of 1st Shut-in	18152	59.5
14	Final Hydrostatic	19732	