

Formation: Slave Point

Interval - from: 1,306.00 to: 1,317.00 meters

Recorder# 71233 at 1,308.00 meters

Test Date: 2003-03-03

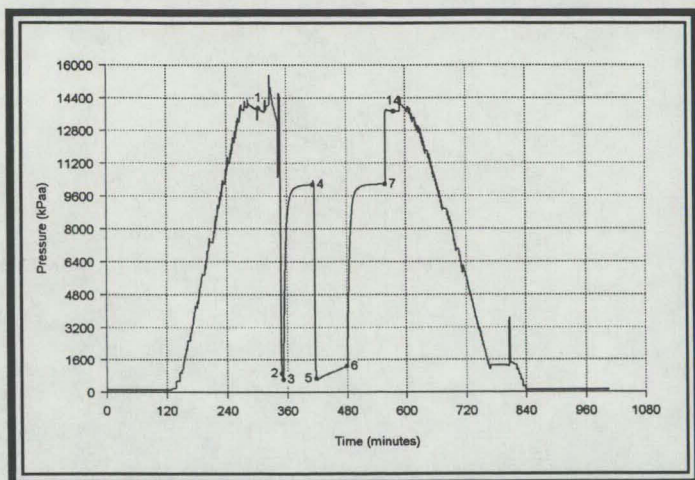
Test Type : Inflate Straddle

Blow Description:

Closed Chamber with Baker Oil Tools. Had a dark yellow flame while venting off on the final shut-in.

Remarks:

Mechanically successful test. Results suggest relatively low permeability within the interval tested. Had oil spotting at the tools.



Max Btm Hole Temperature @ FSI: 49.0 C

	Pressure (kPaa)	Time (min)	Extrapolated Pressure (kPaa)
1 Initial Hydrostatic	13871		
2 Start of 1st Flow	896		
3 End of 1st Flow	601	3.5	
4 End of 1st Shut-in	10119	61.5	10200.9
5 Start of 2nd Flow	639		
6 End of 2nd Flow	1249	62.5	
7 End of 2nd Shut-in	10139	79.5	10200.7
14 Final Hydrostatic	13716		

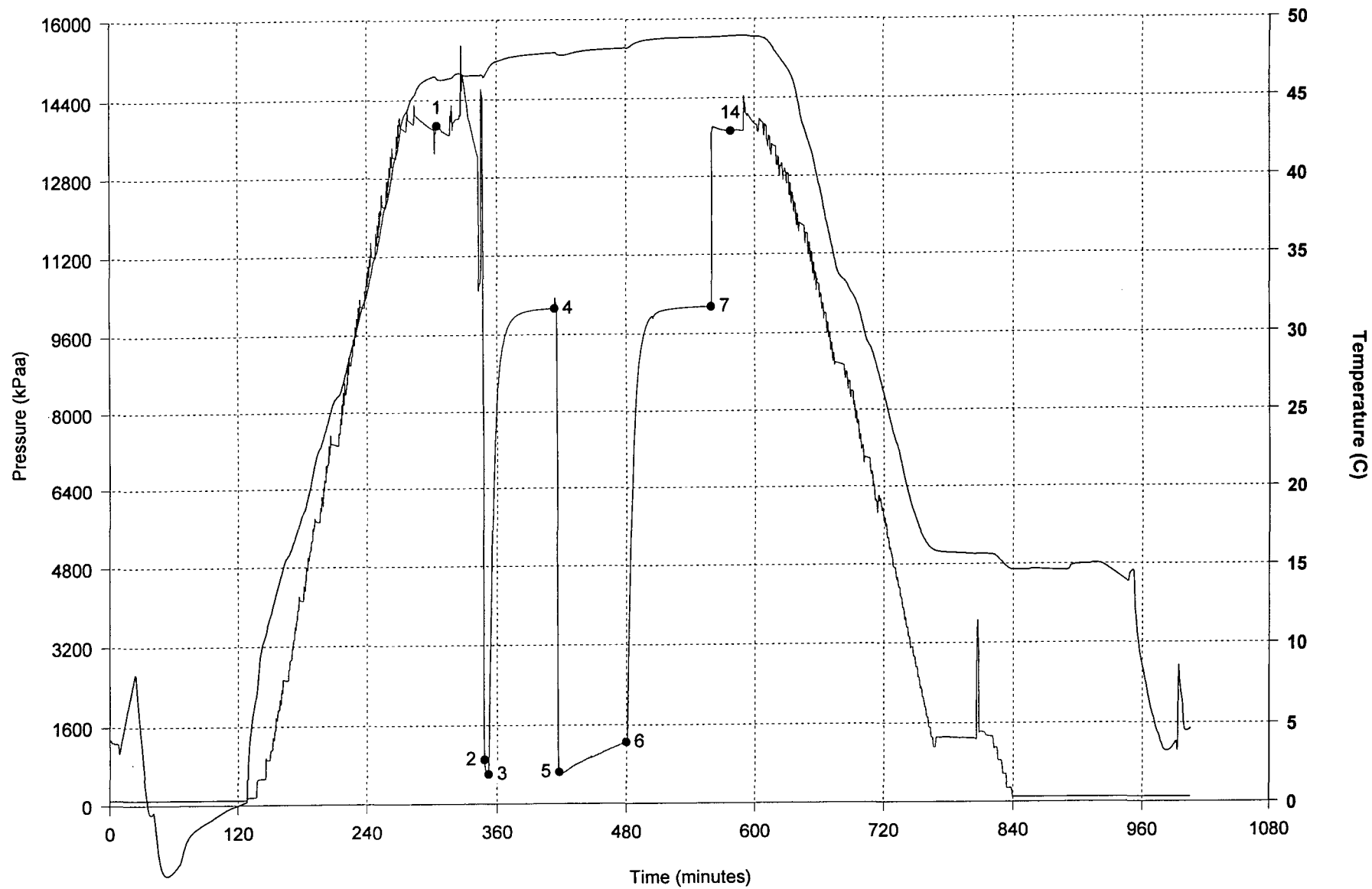
Liquid Recovery 96.00 meters

Salinity : 3 600 g/m3 Mud Tank Salinity: 1 200 g/m3

Recovery	Description
30.00 m	GAS CUT DRILLING FLUID
66.00 m	GAS CUT BRACKISH WATER

PARA ET AL CAMERON M-49
00/ 60.100 / 117.300 / 0
DST #: 2
Recorder: 71233

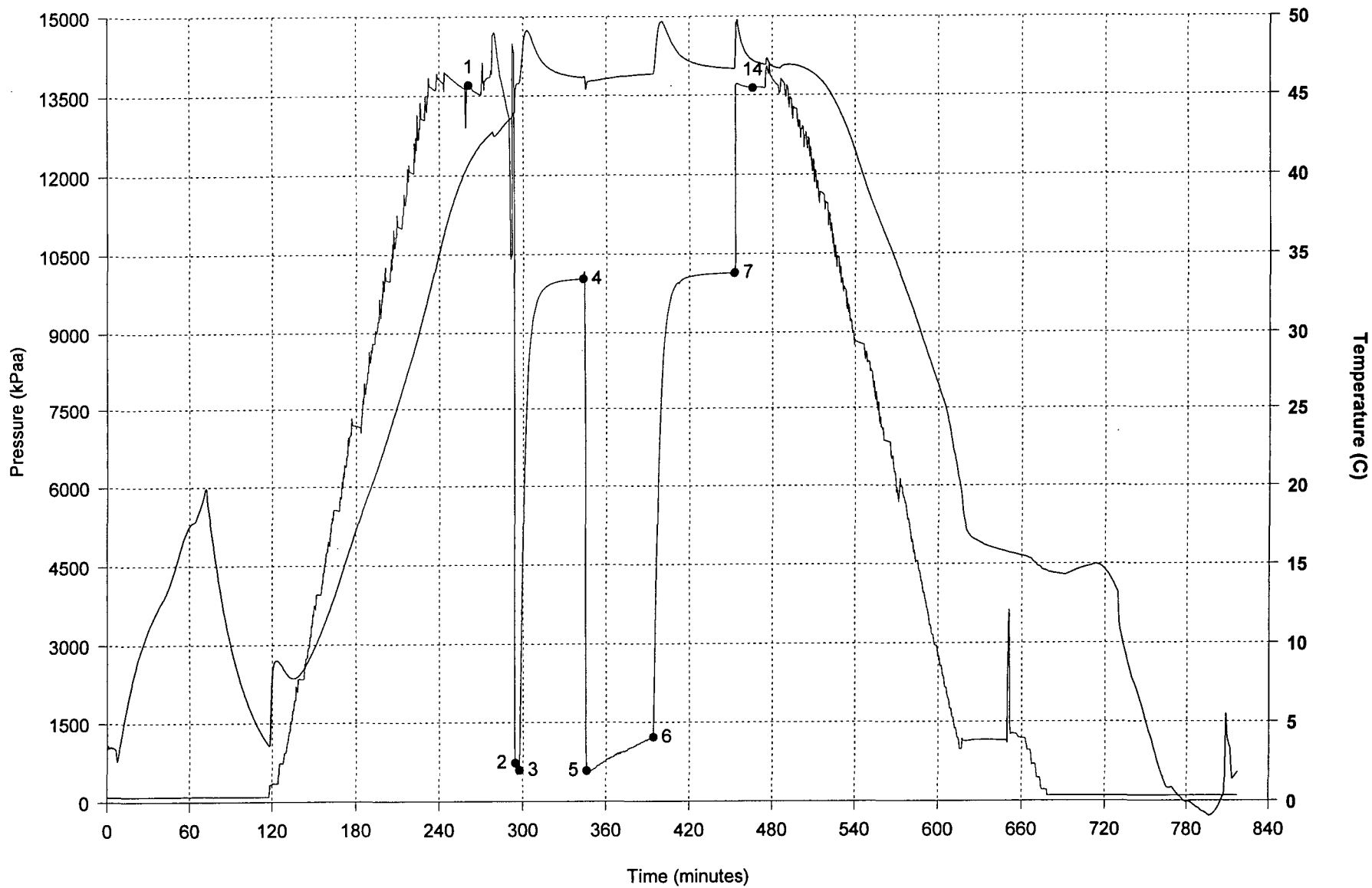
Pressure (kPaa) at Critical Points:
1: 13871 4: 10119 7: 10139
2: 896 5: 639 14: 13716
3: 601 6: 1249



PARA ET AL CAMERON M-49
00/ 60.100 / 117.300 / 0
DST #: 2
Recorder: 75434

Pressure (kPaa) at Critical Points:
1: 13699 4: 10027 7: 10132
2: 723 5: 574 14: 13629
3: 584 6: 1207

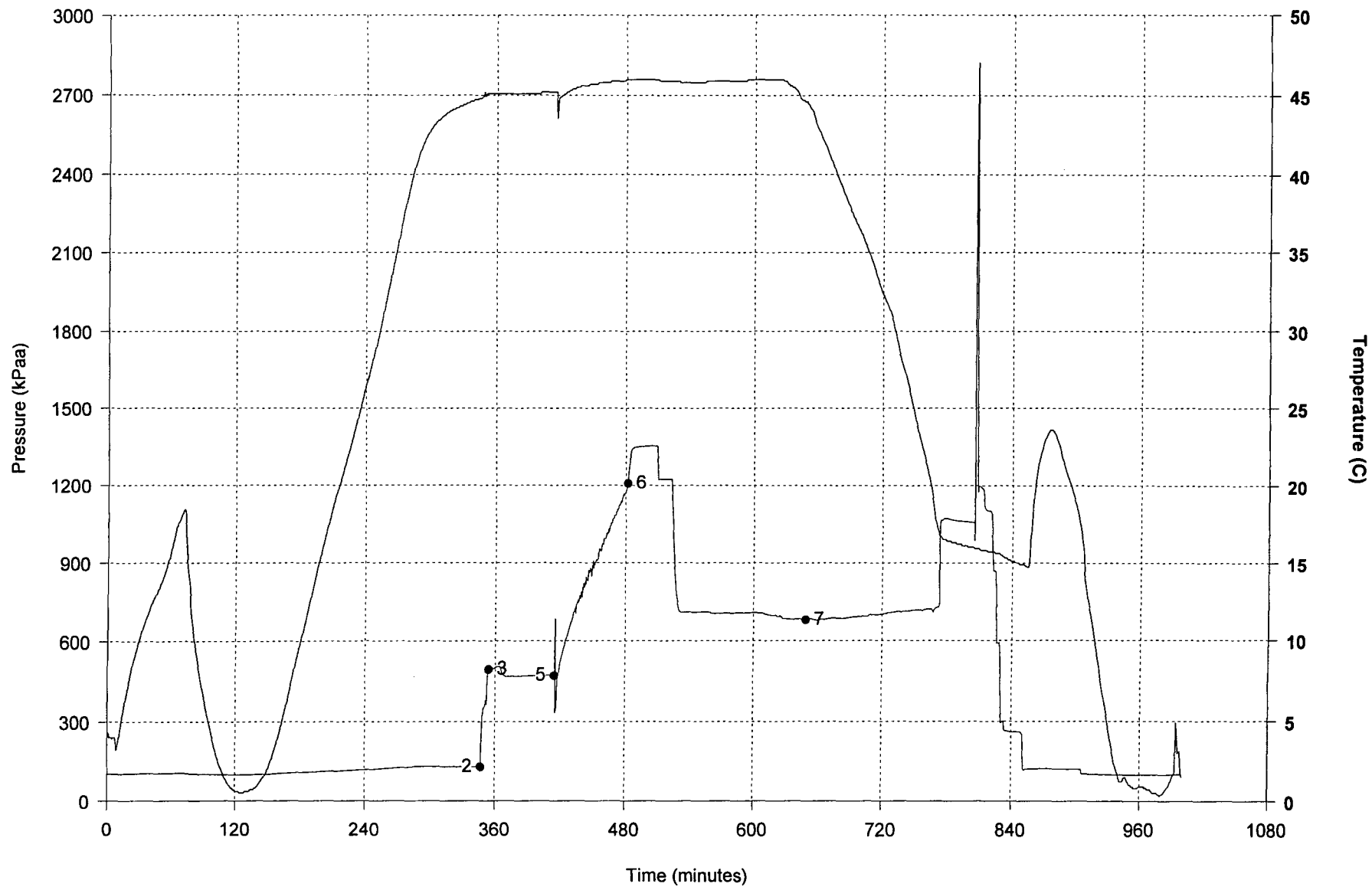
Above interval



PARA ET AL CAMERON M-49
00/ 60.100 / 117.300 /0
DST #: 2
Recorder: 75051

Pressure (kPaa) at Critical Points:
2: 128 6: 1208
3: 494 7: 678
5: 471

Recovery recorder



PARA ET AL CAMERON M-49
00/ 60.100 / 117.300 /0
DST# 2

General Information:

Operator: Paramount Resources Ltd.
4700, 888 - 3rd Street SW
Calgary Alberta T2P 5C5

Tester: Byers S

Ticket#: 815049

Reverse Circulated? N

KB Elevation: 709.23 meters

Ground Elevat'n: 704.43 meters

Total Depth: 1,505.00 meters

Mud Data:

Weight: 1080 kg/m3
Type: Gel Chemical
Viscosity: 65 s/l
Water Loss: 11.0 cc/s
Filter Cake: 2.0 mm

Hole Data:

Drilled Hole Size: 200 mm
Calipered Hole Size: 205 mm
Hole Condition at Test Time: Good
Conditioned prior to this test? Y

Recorder Summary:

<i>Recorder#</i>	<i>Type</i>	<i>Position</i>	<i>Capacity</i>	<i>Units</i>	<i>Depth</i>	<i>Comments</i>
75051	SPAR	Fluid Recovery	34500	kPaa	1,291.00	Recovery recorder
75434	SPAR	Inside	34500	kPaa	1,294.00	Above interval
71233	SPAR	Outside	34500	kPaa	1,308.00	

Distributions:

Reports Sent To: Drilling

Fluid Samples - no of: 5 Sent To: AGAT

<i>Gas Bomb#</i>	<i>Sent To</i>
333	AGAT

<i>Bottom Hole Sampler#</i>	<i>Sent To</i>
222	AGAT

PARA ET AL CAMERON M-49
00/ 60.100 / 117.300 /0
DST# 2

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	0.83 m
	Recorder Carrier	1.50 m
	Choke Sub	0.31 m
	Hydraulic Tool	1.50 m
	Bottom Hole Sampler	1.03 m
	Recorder Carrier	1.50 m
	Real Time Gauge	6.28 m
	Hydraulic Jars	2.01 m
	Safety Joint	0.71 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	2.02 m
	Spacing	7.32 m
	Packer Stick Up	0.42 m
	Bottom Inflate Packer	1.90 m
	Perforations	0.62 m
	Belly Spring	2.00 m

Tool String Length:	37.14 m
Drill Collar I.D.: 58 mm	56.68 m
Drill Pipe O.D.: 114 mm	1,234.97 m
	0.00 m
Collar Pipe Total:	1,291.65 m
Stick Up:	7.27 m
Tool Above:	21.62 m
Interval Tested:	11.00 m
Bottom Hole Choke Size:	12.70 mm

PARA ET AL CAMERON M-49
00/ 60.100 / 117.300 /0
DST# 2
Recorder#75051

Build-up and Flow Curve Increments

Flow# 1

Shut-in# 1

Chart Label	Time (min)	Pressure (kPaa)	Chart Label	Time (min)	Delta P (kPaa)	Pressure (kPaa)	Abscissa (T+dT)/dT	Used for Extrap	Pressure**2 (kPaa^2/10^6)
2	0.0	896		0.0		601			
	0.5	774		2.0	2505	3105	2.7500		9.6435
	1.0	618		4.0	4906	5507	1.8750		30.3224
	1.5	577		6.0	6493	7094	1.5833		50.3254
	2.0	581		8.0	7505	8106	1.4375		65.7088
	2.5	625		10.0	8151	8752	1.3500		76.5924
	3.0	613		12.0	8551	9152	1.2917		83.7633
3	3.5	601		14.0	8814	9415	1.2500		88.6470
				16.0	8995	9596	1.2188		92.0815
				18.0	9126	9727	1.1944		94.6198
				20.0	9220	9821	1.1750		96.4522
				22.0	9288	9888	1.1591		97.7806
				24.0	9338	9939	1.1458		98.7779
				26.0	9376	9976	1.1346		99.5290
				28.0	9403	10004	1.1250		100.0837
				30.0	9425	10026	1.1167		100.5215
				32.0	9442	10043	1.1094		100.8610
				34.0	9455	10056	1.1029	*	101.1266
				36.0	9466	10067	1.0972	*	101.3453
				38.0	9475	10076	1.0921	*	101.5174
				40.0	9482	10083	1.0875	*	101.6626
				42.0	9488	10089	1.0833	*	101.7886
				44.0	9493	10094	1.0795	*	101.8892
				46.0	9497	10098	1.0761	*	101.9730
				48.0	9501	10102	1.0729	*	102.0481
				50.0	9504	10105	1.0700	*	102.1161
				52.0	9508	10109	1.0673	*	102.1852
				54.0	9511	10112	1.0648	*	102.2457
				56.0	9513	10114	1.0625	*	102.2961
				58.0	9515	10116	1.0603	*	102.3379
				60.0	9517	10118	1.0583	*	102.3743
			4	61.5	9518	10119	1.0569	*	102.3970

Flow# 2

Shut-in# 2

Chart Label	Time (min)	Pressure (kPaa)	Chart Label	Time (min)	Delta P (kPaa)	Pressure (kPaa)	Abscissa (T+dT)/dT	Used for Extrap	Pressure**2 (kPaa^2/10^6)
5	0.0	639		0.0		1249			

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

PARA ET AL CAMERON M-49

00/ 60.100 / 117.300 /0

DST# 2

Recorder# 71233

Build-up and Flow Curve Increments

Flow# 2

Shut-in# 2

Chart Label	Time (min)	Pressure (kPaa)	Chart Label	Time (min)	Delta P (kPaa)	Pressure (kPaa)	Abscissa (T+dT)/dT	Used for Extrap	Pressure**2 (kPaa^2/10^6)
	2.0	579		2.0	1405	2654	34.0000		7.0430
	4.0	631		4.0	3654	4903	17.5000		24.0384
	6.0	656		6.0	5267	6515	12.0000		42.4506
	8.0	681		8.0	6400	7649	9.2500		58.5098
	10.0	726		10.0	7163	8412	7.6000		70.7573
	12.0	749		12.0	7670	8919	6.5000		79.5479
	14.0	778		14.0	8013	9262	5.7143		85.7813
	16.0	803		16.0	8254	9503	5.1250		90.3033
	18.0	822		18.0	8424	9673	4.6667		93.5662
	20.0	839		20.0	8551	9800	4.3000		96.0356
	22.0	867		22.0	8637	9885	4.0000		97.7230
	24.0	881		24.0	8691	9940	3.7500		98.8008
	26.0	907		26.0	8694	9943	3.5385		98.8589
	28.0	921		28.0	8754	10003	3.3571		100.0603
	30.0	935		30.0	8784	10033	3.2000		100.6573
	32.0	953		32.0	8803	10052	3.0625		101.0443
	34.0	978		34.0	8816	10065	2.9412		101.2981
	36.0	996		36.0	8825	10074	2.8333		101.4880
	38.0	1011		38.0	8833	10082	2.7368		101.6468
	40.0	1041		40.0	8840	10089	2.6500		101.7917
	42.0	1059		42.0	8847	10096	2.5714		101.9216
	44.0	1072		44.0	8852	10101	2.5000		102.0318
	46.0	1093		46.0	8857	10106	2.4348		102.1226
	48.0	1124		48.0	8861	10110	2.3750		102.2174
	50.0	1128		50.0	8865	10114	2.3200		102.2891
	52.0	1157		52.0	8868	10117	2.2692	*	102.3548
	54.0	1168		54.0	8871	10120	2.2222	*	102.4168
	56.0	1195		56.0	8874	10123	2.1786	*	102.4659
	58.0	1204		58.0	8876	10125	2.1379	*	102.5146
	60.0	1226		60.0	8878	10127	2.1000	*	102.5591
	62.0	1248		62.0	8880	10129	2.0645	*	102.6013
6	62.5	1249		64.0	8882	10131	2.0313	*	102.6309
				66.0	8883	10132	2.0000	*	102.6587
				68.0	8884	10133	1.9706	*	102.6836
				70.0	8886	10134	1.9429	*	102.7068
				72.0	8887	10136	1.9167	*	102.7310
				74.0	8888	10137	1.8919	*	102.7530
				76.0	8889	10138	1.8684	*	102.7747
				78.0	8890	10139	1.8462	*	102.7906
			7	79.5	8890	10139	1.8302	*	102.8043

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

PARA ET AL CAMERON M-49
00/ 60.100 / 117.300 /0
DST# 2
Recorder#71233

Build-up and Flow Curve Increments

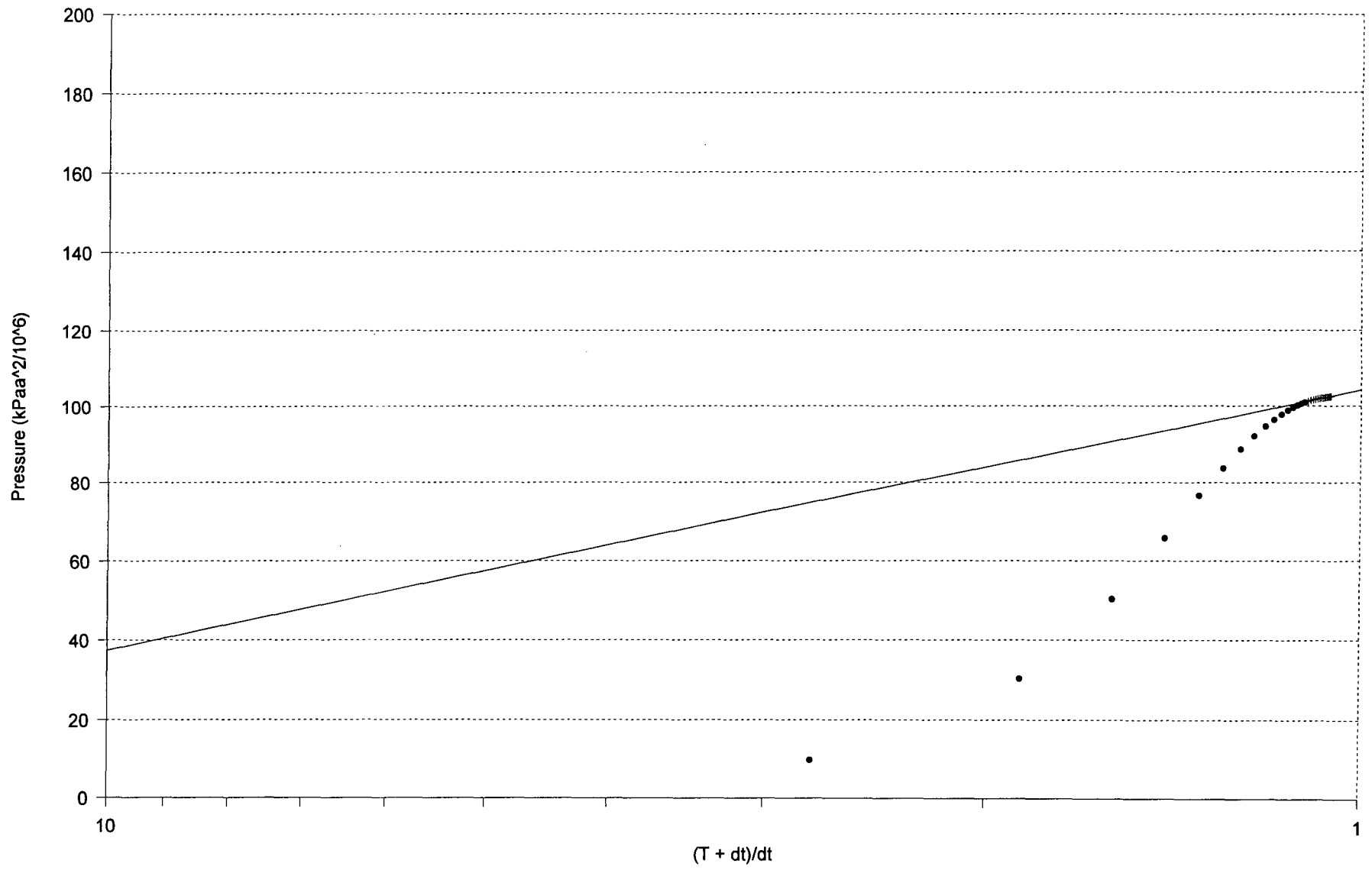
Horner Extrapolation:

<i>Shut-in#</i>	<i>Extrapolated Pressure (kPaa)</i>	<i>Extrapolated Slope ((kPaa^2/10^6)/cycle)</i>
1	10200.9	66.69897
2	10200.7	4.68574

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

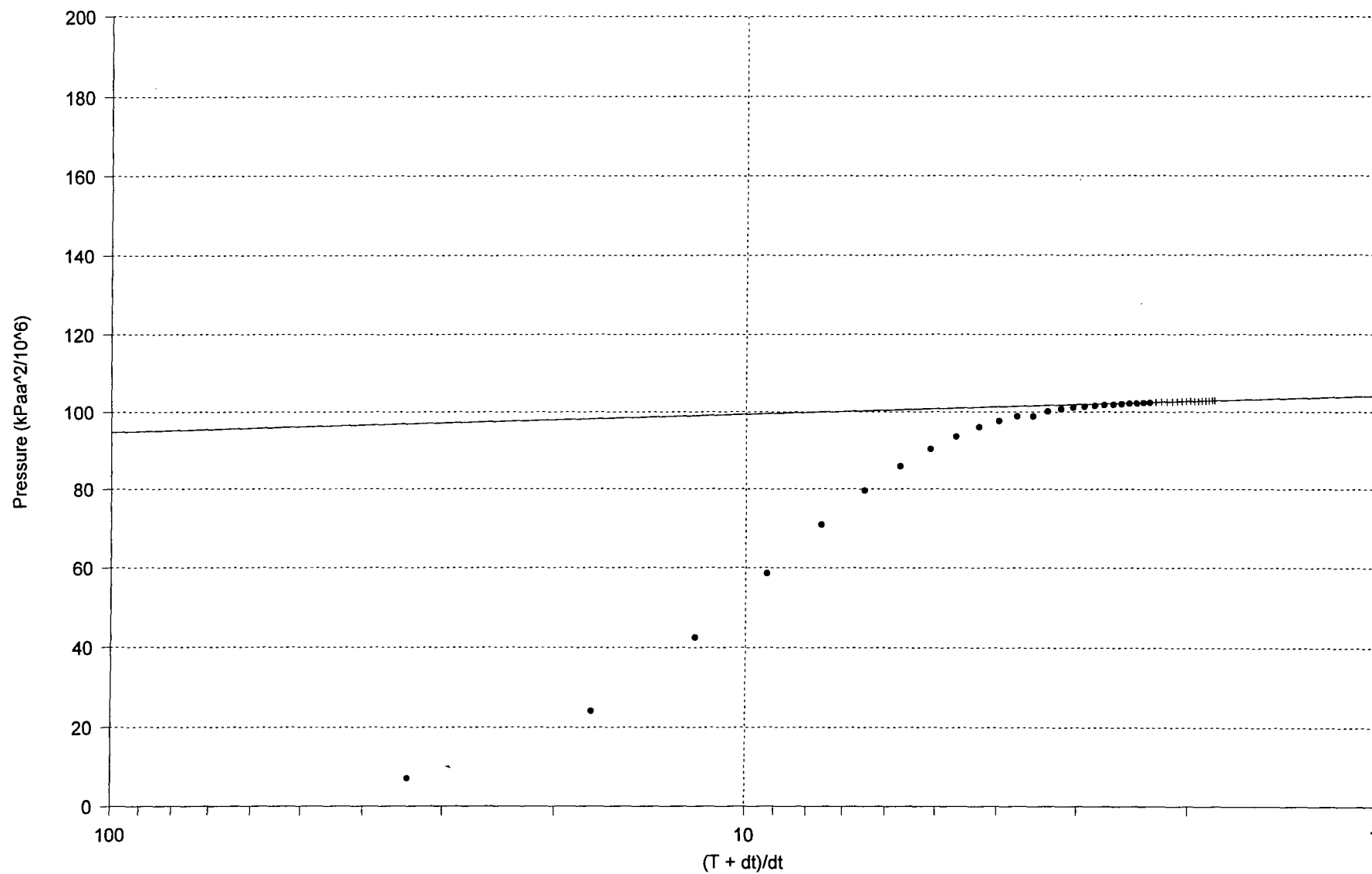
PARA ET AL CAMERON M-49
 00/ 60.100 / 117.300 / 0
 DST #: 2
 Recorder: 71233

Shut-in #1
 Slope = 66.70 kPaa²/10⁶/cycle
 Extrapolated Pressure = 10200.90 kPaa



PARA ET AL CAMERON M-49
00/ 60.100 / 117.300 /0
DST #: 2
Recorder: 71233

Shut-in #2
Slope = 4.69 kPaa²/10⁶/cycle
Extrapolated Pressure = 10200.69 kPaa

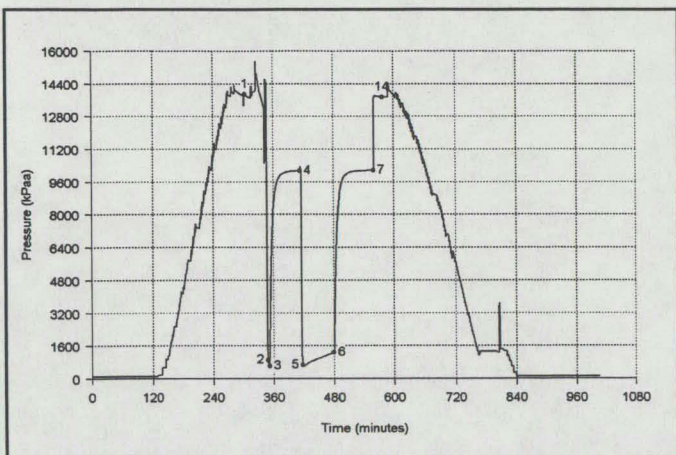


PARA ET AL CAMERON M-49
00/ 60.100 / 117.300 /0
DST# 2

Recorder# 71233

Depth: 1,308.00 m
 Temperature: 49.0 C
 Location: Outside

Recorder Type: SPAR
 Capacity: 34,500 kPaa

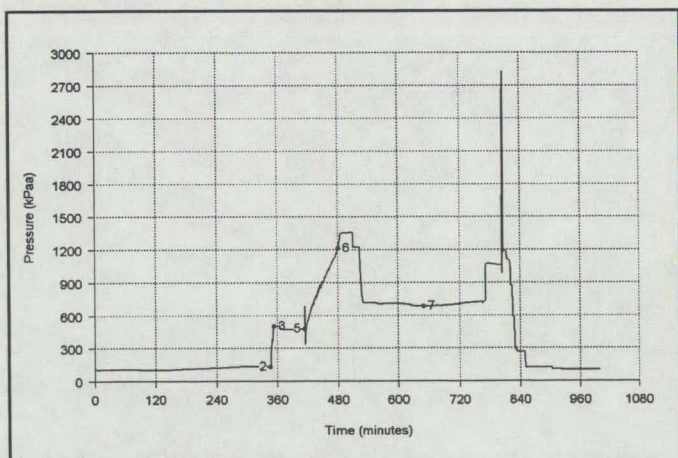


		Pressure (kPaa)	Time (min)
1	Initial Hydrostatic	13871	
2	Start of 1st Flow	896	
3	End of 1st Flow	601	3.5
4	End of 1st Shut-in	10119	61.5
5	Start of 2nd Flow	639	
6	End of 2nd Flow	1249	62.5
7	End of 2nd Shut-in	10139	79.5
14	Final Hydrostatic	13716	

Recorder# 75051

Depth: 1,291.00 m
 Temperature: 46.1 C
 Location: Fluid Recovery

Recorder Type: SPAR
 Capacity: 34,500 kPaa
 Comments: Recovery recorder



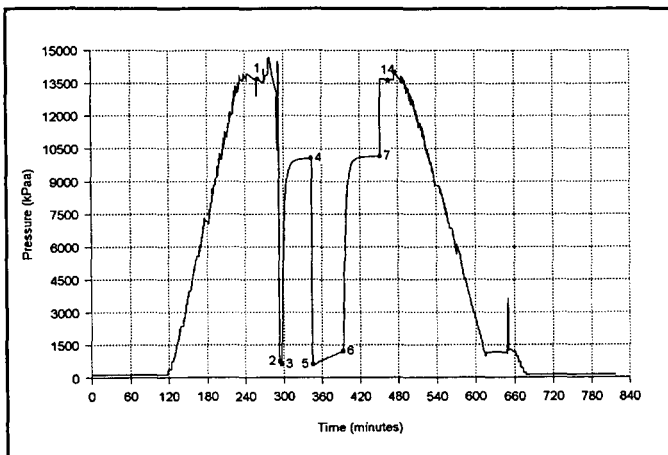
		Pressure (kPaa)	Time (min)
2	Start of 1st Flow	128	
3	End of 1st Flow	494	3.5
5	Start of 2nd Flow	471	
6	End of 2nd Flow	1208	62.5
7	End of 2nd Shut-in	678	79.5

PARA ET AL CAMERON M-49
00/ 60.100 / 117.300 /0
DST# 2

Recorder# 75434

Depth: 1,294.00 m
 Temperature: 46.8 C
 Location: Inside

Recorder Type: SPAR
 Capacity: 34,500 kPaa
 Comments: Above interval



		Pressure (kPaa)	Time (min)
1	Initial Hydrostatic	13699	
2	Start of 1st Flow	723	
3	End of 1st Flow	584	3.5
4	End of 1st Shut-in	10027	61.5
5	Start of 2nd Flow	574	
6	End of 2nd Flow	1207	62.5
7	End of 2nd Shut-in	10132	79.5
14	Final Hydrostatic	13629	



Baker Oil Tools

Closed Chamber Test Report

Prepared for: **PARAMOUNT RESOURCES**

Well Name: **PARA ET AL CAMERON M-49**

Location: **60.10/117.30**

Test Date: **Mon 03 Mar 2003**

Job Ticket #: **60-0643**

DST #: **2**



Pre-Test Plan

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * <http://www.bakeroiltools.com/>

General Information

Baker's Ticket: 60-0643	Closed Chamber Technician: C.PETERSON
Date: Mon 03 Mar 2003	Telemetry Truck: 118
Customer: PARAMOUNT RESOURCES	Test #: 2
Well Name: PARA ET AL CAMERON M-49	Interval: 1,306.00 to 1,317.00 meters
Well Location: 60.10/117.30	Formation: SLAVE POINT
Well License Number: 1974	Test Type: Inflate Straddle
Customer Rep: B.NEIGUM	Hole Size: 200.000 mm
	Total Depth: 1,505 meters
Rig Name & Number: PD 117	Mud Type: GEL CHEM
Testing Company: Baker Oil Tools	Mud Weight: 1080 kg/m3
DST Supervisor: S.BYERS	Mud Viscosity: 65 l/min
DST Truck: 35019	Mud Resistivity:
	Mud Salinity:

Primary Objective of Closed Chamber: Accuracy

Constants Used During Pretest Planning

Surface Temp: -12.00 Celcius OR 261.15 kelvin	BottomHole Choke Size: 12.700 mm
Formation Temp: 42.00 Celcius OR 315.15 kelvin	Surface Choke Size: 12.700 mm
Average Temp: 15.00 Celcius OR 288.15 kelvin	Cushion Type: None
Compressibility: 0.90	Cushion Amount:

Maximum Possible Rates

	Liquid Rate	Gas Rate	Surface Rate
Gas:	—	214,925.0 m3/d	1,458.7 kPa/min
Gas Saturated H2O:	730.7 m3/d	241.1 m3/d	7.1 kPa/min
Pure Liquid Influx:	730.7 m3/d	—	5.5 kPa/min

Chamber Volume

Drill Collar	Heavy Weight Drill Pipe	Drill Pipe
ID: 64.000 mm Length: 56.69 m Capacity: 0.0032 m3/m Volume: 0.1824 m3	ID: Length: Capacity: Volume:	ID: 97.000 mm Length: 1,237.97 m Capacity: 0.0074 m3/m Volume: 9.1484 m3

Total Chamber Volume: 9.3307 cubic meters
Minus Cushion Volume: 0.0000 cubic meters
Net Chamber Air Volume: 9.3307 cubic meters



Baker Oil Tools
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(403) 537-3400 * <http://www.bakeroiltools.com/>

Production Rates

Baker's Ticket: **60-0643**

Date: **Mon 03 Mar 2003**

Customer: **PARAMOUNT RESOURCES**

Test #: **2**

Well Name: **PARA ET AL CAMERON M-49**

Interval: **1,306.00 to 1,317.00 meters**

Well Location: **60.10/117.30**

Formation: **SLAVE POINT**

Flow Rates For Liquids

1st Flow

Fluid Gradient: **10.00 kPa/meter**
Hydrostatic of produced fluid: **215.19 kPa**
Total Volume Produced: **0.07 cubic meters**
Production Rate: **22.16 cubic meters/day**

2nd Flow

Fluid Gradient: **10.00 kPa/meter**
Hydrostatic of produced fluid: **0.00 kPa**
Total Volume Produced: **0.00 cubic meters**
Production Rate: **0.00 cubic meters/day**

Flow Rates For Gases

1st Flow

Average Rate: **1,148 cubic meters/day**
Maximum Rate: **2,029 cubic meters/day**
Minimum Rate: **489 cubic meters/day**

2nd Flow

Average Rate: **1,105 cubic meters/day**
Maximum Rate: **8,194 cubic meters/day**
Minimum Rate: **588 cubic meters/day**



Summary

Baker Oil Tools
1300, 401 - 9th Ave. SW, Calgary, Alberta
(403) 537-3400 * <http://www.bakeroiltools.com/>

Baker's Ticket: **60-0643**

Date: **Mon 03 Mar 2003**

Customer: **PARAMOUNT RESOURCES**

Test #: **2**

Well Name: **PARA ET AL CAMERON M-49**

Interval: **1,306.00 to 1,317.00 meters**

Well Location: **60.10/117.30**

Formation: **SLAVE POINT**

1st Flow

Time Open:	13:06:00	
Test Tool Open For:	4.50 minutes	
Total Surface Pressure:	36.00 kPa	dP/dT: 8.00 kPa/min
Hydrostatic of Produced Fluid:	215.19 kPa	dP/dT: 47.85 kPa/min

1st Shut-In

Time Closed:	13:10:29	
Pressure Vented After:	10.00 minutes	
Total Additional Surface Pressure:	2.00 kPa	dP/dT: 0.20 kPa/min

2nd Flow

Time Open:	14:12:59	
Test Tool Open For:	64.50 minutes	
Total Surface Pressure:	517.00 kPa	dP/dT: 8.02 kPa/min
Hydrostatic of Produced Fluid:	0.00 kPa	dP/dT: 0.00 kPa/min

2nd Shut-In

Time Closed:	15:17:29	
Pressure Vented After:	11.00 minutes	
Total Additional Surface Pressure:	16.00 kPa	dP/dT: 1.45 kPa/min



Baker Oil Tools
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(403) 537-3400 * <http://www.bakeroiltools.com/>

Combination Flow Rates

1st Flow

Baker's Ticket: **60-0643**

Date: **Mon 03 Mar 2003**

Customer: **PARAMOUNT RESOURCES**

Test #: **2**

Well Name: **PARA ET AL CAMERON M-49**

Interval: **1,306.00 to 1,317.00 meters**

Well Location: **60.10/117.30**

Formation: **SLAVE POINT**

Time hh:mm:ss	Elapsed min	Surface kPa	Recovery kPa	Liq DPDT kPa	Gas DPDT kPa/min	Gas Rate m3/day	Liq Rate m3/day	Volume m3
13:06:00	0.00	93.00	34.84					
13:06:29	0.50	95.00	144.50	0.35	3.32	489	100	0.03
13:06:59	1.00	102.00	180.41	0.10	13.82	2,029	27	0.04
13:07:29	1.50	106.00	228.70	0.16	7.68	1,126	41	0.06
13:07:59	2.00	111.00	230.72	0.00	10.03	1,469	0	0.06
13:08:30	2.50	115.00	256.64	0.08	7.78	1,140	20	0.07
13:09:00	3.00	118.00	256.60	0.00	6.01	879	0	0.07
13:09:30	3.50	122.00	266.23	0.02	7.96	1,165	5	0.07
13:10:00	4.00	126.00	273.38	0.01	7.98	1,168	3	0.07
13:10:29	4.50	129.00	286.02	0.04	5.93	868	9	0.07



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(403) 537-3400 * <http://www.bakeroiltools.com/>

Combination Flow Rates

2nd Flow

Baker's Ticket: **60-0643**

Date: **Mon 03 Mar 2003**

Customer: **PARAMOUNT RESOURCES**

Test #: **2**

Well Name: **PARA ET AL CAMERON M-49**

Interval: **1,306.00 to 1,317.00 meters**

Well Location: **60.10/117.30**

Formation: **SLAVE POINT**

Time hh:mm:ss	Elapsed min	Surface kPa	Recovery kPa	Liq DPDT kPa	Gas DPDT kPa/min	Gas Rate m3/day	Liq Rate m3/day	Volume m3
14:12:59	0.00	93.00	590.66					
14:13:29	0.50	121.00	237.95	0.00	56.00	8,194	0	0.07
14:13:59	1.00	147.00	249.75	0.00	52.00	7,609	0	0.07
14:14:29	1.50	156.00	313.01	0.28	17.44	2,550	50	0.09
14:14:59	2.00	162.00	343.06	0.13	11.74	1,714	22	0.10
14:15:29	2.50	167.00	365.11	0.10	9.81	1,431	16	0.10
14:15:59	3.00	171.00	378.61	0.06	7.89	1,150	9	0.10
14:16:29	3.50	175.00	397.76	0.09	7.82	1,140	14	0.11
14:16:59	4.00	179.00	412.40	0.06	7.87	1,147	10	0.11
14:17:29	4.50	183.00	425.84	0.06	7.88	1,148	9	0.12
14:17:59	5.00	186.00	432.55	0.02	5.95	867	3	0.12
14:18:29	5.50	190.00	442.82	0.04	7.92	1,153	6	0.12
14:18:59	6.00	193.00	450.04	0.03	5.94	865	4	0.12
14:19:29	6.50	197.00	456.60	0.02	7.97	1,159	2	0.12
14:19:59	7.00	200.00	463.20	0.02	5.95	866	3	0.12
14:20:29	7.50	204.00	470.77	0.02	7.95	1,157	3	0.12
14:20:59	8.00	207.00	484.02	0.07	5.85	851	9	0.13
14:21:29	8.50	211.00	486.37	0.00	8.00	1,163	0	0.13
14:21:59	9.00	214.00	493.56	0.03	5.94	864	4	0.13
14:22:29	9.50	218.00	507.54	0.07	7.85	1,141	9	0.13
14:22:59	10.00	221.00	511.98	0.01	5.98	869	1	0.13
14:23:29	10.50	225.00	516.04	0.00	8.00	1,163	0	0.13
14:23:59	11.00	228.00	529.22	0.08	5.84	849	9	0.14
14:24:29	11.50	232.00	532.19	0.00	8.00	1,162	0	0.14
14:24:59	12.00	235.00	542.24	0.06	5.89	855	7	0.14
14:25:29	12.50	239.00	547.81	0.01	7.97	1,158	1	0.14
14:25:59	13.00	242.00	556.89	0.05	5.90	857	6	0.14
14:26:29	13.50	246.00	565.44	0.04	7.92	1,151	4	0.14
14:26:59	14.00	249.00	567.60	0.00	6.00	871	0	0.14
14:27:29	14.50	253.00	579.12	0.07	7.87	1,142	7	0.14



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Combination Flow Rates

2nd Flow

Baker's Ticket: **60-0643**

Date: **Mon 03 Mar 2003**

Customer: **PARAMOUNT RESOURCES**

Test #: **2**

Well Name: **PARA ET AL CAMERON M-49**

Interval: **1,306.00 to 1,317.00 meters**

Well Location: **60.10/117.30**

Formation: **SLAVE POINT**

Time hh:mm:ss	Elapsed min	Surface kPa	Recovery kPa	Liq DPDT kPa	Gas DPDT kPa/min	Gas Rate m3/day	Liq Rate m3/day	Volume m3
14:27:59	15.00	257.00	579.98	0.00	8.00	1,161	0	0.14
14:28:29	15.50	260.00	589.26	0.06	5.89	854	6	0.15
14:28:59	16.00	264.00	594.17	0.01	7.98	1,159	1	0.15
14:29:29	16.50	267.00	602.83	0.05	5.90	855	5	0.15
14:29:59	17.00	270.00	614.66	0.08	5.83	846	8	0.15
14:30:29	17.50	274.00	614.55	0.00	8.00	1,160	0	0.15
14:30:59	18.00	278.00	625.07	0.06	7.87	1,142	6	0.15
14:31:29	18.50	281.00	630.13	0.02	5.96	864	2	0.15
14:31:59	19.00	285.00	609.29	0.00	8.00	1,160	0	0.15
14:32:29	19.50	289.00	638.53	0.25	7.50	1,086	23	0.16
14:32:59	20.00	292.00	647.89	0.06	5.87	851	6	0.16
14:33:29	20.50	296.00	654.50	0.03	7.95	1,151	2	0.16
14:33:59	21.00	299.00	664.02	0.07	5.86	849	6	0.17
14:34:29	21.50	303.00	649.59	0.00	8.00	1,158	0	0.17
14:34:59	22.00	307.00	668.43	0.16	7.68	1,112	14	0.17
14:35:29	22.50	310.00	680.46	0.10	5.81	840	8	0.17
14:35:59	23.00	314.00	666.89	0.00	8.00	1,157	0	0.17
14:36:29	23.50	317.00	680.08	0.11	5.78	835	9	0.18
14:36:59	24.00	321.00	695.75	0.13	7.74	1,119	11	0.18
14:37:29	24.50	325.00	670.65	0.00	8.00	1,157	0	0.18
14:37:59	25.00	328.00	711.38	0.96	4.08	588	78	0.21
14:38:29	25.50	332.00	701.09	0.00	8.00	1,153	0	0.21
14:38:59	26.00	336.00	727.01	0.59	6.82	982	47	0.22
14:39:29	26.50	339.00	709.68	0.00	6.00	863	0	0.22
14:39:59	27.00	343.00	718.23	0.13	7.75	1,115	10	0.23
14:40:29	27.50	346.00	735.87	0.41	5.18	745	31	0.24
14:40:59	28.00	350.00	723.23	0.00	8.00	1,149	0	0.24
14:41:29	28.50	354.00	753.01	0.74	6.53	937	55	0.26
14:41:59	29.00	357.00	740.64	0.00	6.00	860	0	0.26
14:42:29	29.50	361.00	737.51	0.00	8.00	1,147	0	0.26
14:42:59	30.00	364.00	736.74	0.00	6.00	860	0	0.26



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Combination Flow Rates

2nd Flow

Baker's Ticket: **60-0643**

Date: **Mon 03 Mar 2003**

Customer: **PARAMOUNT RESOURCES**

Test #: **2**

Well Name: **PARA ET AL CAMERON M-49**

Interval: **1,306.00 to 1,317.00 meters**

Well Location: **60.10/117.30**

Formation: **SLAVE POINT**

Time hh:mm:ss	Elapsed min	Surface kPa	Recovery kPa	Liq DPDT kPa	Gas DPDT kPa/min	Gas Rate m3/day	Liq Rate m3/day	Volume m3
14:43:29	30.50	368.00	776.82	1.07	5.85	838	77	0.28
14:43:59	31.00	372.00	779.22	0.00	8.00	1,144	0	0.28
14:44:29	31.50	375.00	768.12	0.00	6.00	858	0	0.28
14:44:59	32.00	379.00	776.44	0.13	7.74	1,105	9	0.29
14:45:29	32.50	383.00	786.38	0.18	7.63	1,090	13	0.29
14:45:59	33.00	386.00	780.66	0.00	6.00	857	0	0.29
14:46:29	33.50	390.00	753.43	0.00	8.00	1,143	0	0.29
14:46:59	34.00	393.00	775.36	0.60	4.79	684	40	0.31
14:47:29	34.50	397.00	813.55	1.10	5.79	825	73	0.33
14:47:59	35.00	401.00	797.89	0.00	8.00	1,138	0	0.33
14:48:29	35.50	404.00	783.34	0.00	6.00	853	0	0.33
14:48:59	36.00	408.00	807.14	0.66	6.68	950	42	0.35
14:49:29	36.50	411.00	808.42	0.00	6.00	852	0	0.35
14:49:59	37.00	415.00	813.22	0.03	7.95	1,128	2	0.35
14:50:29	37.50	418.00	819.06	0.10	5.81	824	6	0.35
14:50:59	38.00	422.00	813.53	0.00	8.00	1,135	0	0.35
14:51:29	38.50	425.00	819.88	0.12	5.77	818	7	0.35
14:51:59	39.00	429.00	819.81	0.00	8.00	1,135	0	0.35
14:52:29	39.50	433.00	845.61	0.77	6.46	915	46	0.37
14:52:59	40.00	437.00	848.94	0.00	8.00	1,133	0	0.37
14:53:29	40.50	441.00	861.02	0.29	7.42	1,050	17	0.37
14:53:59	41.00	444.00	858.70	0.00	6.00	849	0	0.37
14:54:29	41.50	448.00	853.75	0.00	8.00	1,132	0	0.37
14:54:59	42.00	452.00	850.04	0.00	8.00	1,132	0	0.37
14:55:29	42.50	455.00	868.96	0.59	4.81	680	34	0.39
14:55:59	43.00	459.00	875.70	0.10	7.79	1,102	6	0.39
14:56:29	43.50	462.00	881.08	0.09	5.82	822	5	0.39
14:56:59	44.00	466.00	875.47	0.00	8.00	1,130	0	0.39
14:57:29	44.50	470.00	897.49	0.70	6.61	933	38	0.40
14:57:59	45.00	474.00	900.55	0.00	8.00	1,129	0	0.40
14:58:29	45.50	477.00	900.32	0.00	6.00	847	0	0.40



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Combination Flow Rates

2nd Flow

Baker's Ticket: **60-0643**

Date: **Mon 03 Mar 2003**

Customer: **PARAMOUNT RESOURCES**

Test #: **2**

Well Name: **PARA ET AL CAMERON M-49**

Interval: **1,306.00 to 1,317.00 meters**

Well Location: **60.10/117.30**

Formation: **SLAVE POINT**

Time hh:mm:ss	Elapsed min	Surface kPa	Recovery kPa	Liq DPDT kPa	Gas DPDT kPa/min	Gas Rate m3/day	Liq Rate m3/day	Volume m3
14:58:59	46.00	481.00	898.85	0.00	8.00	1,129	0	0.40
14:59:29	46.50	484.00	901.76	0.00	6.00	847	0	0.40
14:59:59	47.00	487.00	920.29	0.62	4.75	670	33	0.41
15:00:29	47.50	491.00	913.10	0.00	8.00	1,127	0	0.41
15:00:59	48.00	494.00	922.78	0.27	5.46	769	14	0.42
15:01:29	48.50	498.00	917.25	0.00	8.00	1,127	0	0.42
15:01:59	49.00	501.00	938.57	0.76	4.48	631	39	0.43
15:02:29	49.50	505.00	925.00	0.00	8.00	1,125	0	0.43
15:02:59	50.00	508.00	947.21	0.81	4.39	616	41	0.45
15:03:29	50.50	512.00	948.41	0.00	8.00	1,123	0	0.45
15:03:59	51.00	515.00	960.84	0.40	5.20	729	20	0.45
15:04:29	51.50	519.00	960.41	0.00	8.00	1,122	0	0.45
15:04:59	52.00	524.00	959.99	0.00	10.00	1,403	0	0.45
15:05:29	52.50	527.00	975.87	0.56	4.88	684	27	0.46
15:05:59	53.00	531.00	977.10	0.00	8.00	1,121	0	0.46
15:06:29	53.50	534.00	976.06	0.00	6.00	841	0	0.46
15:06:59	54.00	538.00	988.29	0.37	7.27	1,018	18	0.47
15:07:29	54.50	541.00	989.46	0.00	6.00	840	0	0.47
15:07:59	55.00	544.00	986.99	0.00	6.00	840	0	0.47
15:08:29	55.50	548.00	989.00	0.00	8.00	1,120	0	0.47
15:08:59	56.00	551.00	1,003.47	0.52	4.95	693	24	0.48
15:09:29	56.50	555.00	1,002.78	0.00	8.00	1,119	0	0.48
15:09:59	57.00	558.00	1,013.58	0.36	5.28	738	17	0.48
15:10:29	57.50	562.00	1,009.10	0.00	8.00	1,118	0	0.48
15:10:59	58.00	565.00	1,019.32	0.34	5.32	744	15	0.49
15:11:29	58.50	568.00	1,028.54	0.29	5.41	756	13	0.49
15:11:59	59.00	571.00	1,029.93	0.00	6.00	838	0	0.49
15:12:29	59.50	575.00	1,029.20	0.00	8.00	1,117	0	0.49
15:12:59	60.00	578.00	1,039.34	0.34	5.31	742	15	0.50
15:13:29	60.50	582.00	1,046.66	0.16	7.68	1,072	7	0.50
15:13:59	61.00	585.00	1,038.46	0.00	6.00	837	0	0.50



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Combination Flow Rates

2nd Flow

Baker's Ticket: **60-0643**

Date: **Mon 03 Mar 2003**

Customer: **PARAMOUNT RESOURCES**

Test #: **2**

Well Name: **PARA ET AL CAMERON M-49**

Interval: **1,306.00 to 1,317.00 meters**

Well Location: **60.10/117.30**

Formation: **SLAVE POINT**

Time hh:mm:ss	Elapsed min	Surface kPa	Recovery kPa	Liq DPDT kPa	Gas DPDT kPa/min	Gas Rate m3/day	Liq Rate m3/day	Volume m3
15:14:29	61.50	589.00	1,052.51	0.49	7.01	978	21	0.51
15:14:59	62.00	592.00	1,060.68	0.25	5.49	765	11	0.51
15:15:29	62.50	596.00	1,067.03	0.12	7.77	1,082	5	0.51
15:15:59	63.00	599.00	1,076.40	0.32	5.36	747	14	0.52
15:16:29	63.50	603.00	1,066.77	0.00	8.00	1,114	0	0.52
15:16:59	64.00	607.00	1,079.08	0.42	7.16	997	18	0.52
15:17:29	64.50	610.00	1,082.56	0.02	5.95	828	1	0.53



Surface Pressure

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Baker's Ticket: **60-0643**

Date: **Mon 03 Mar 2003**

Customer: **PARAMOUNT RESOURCES**

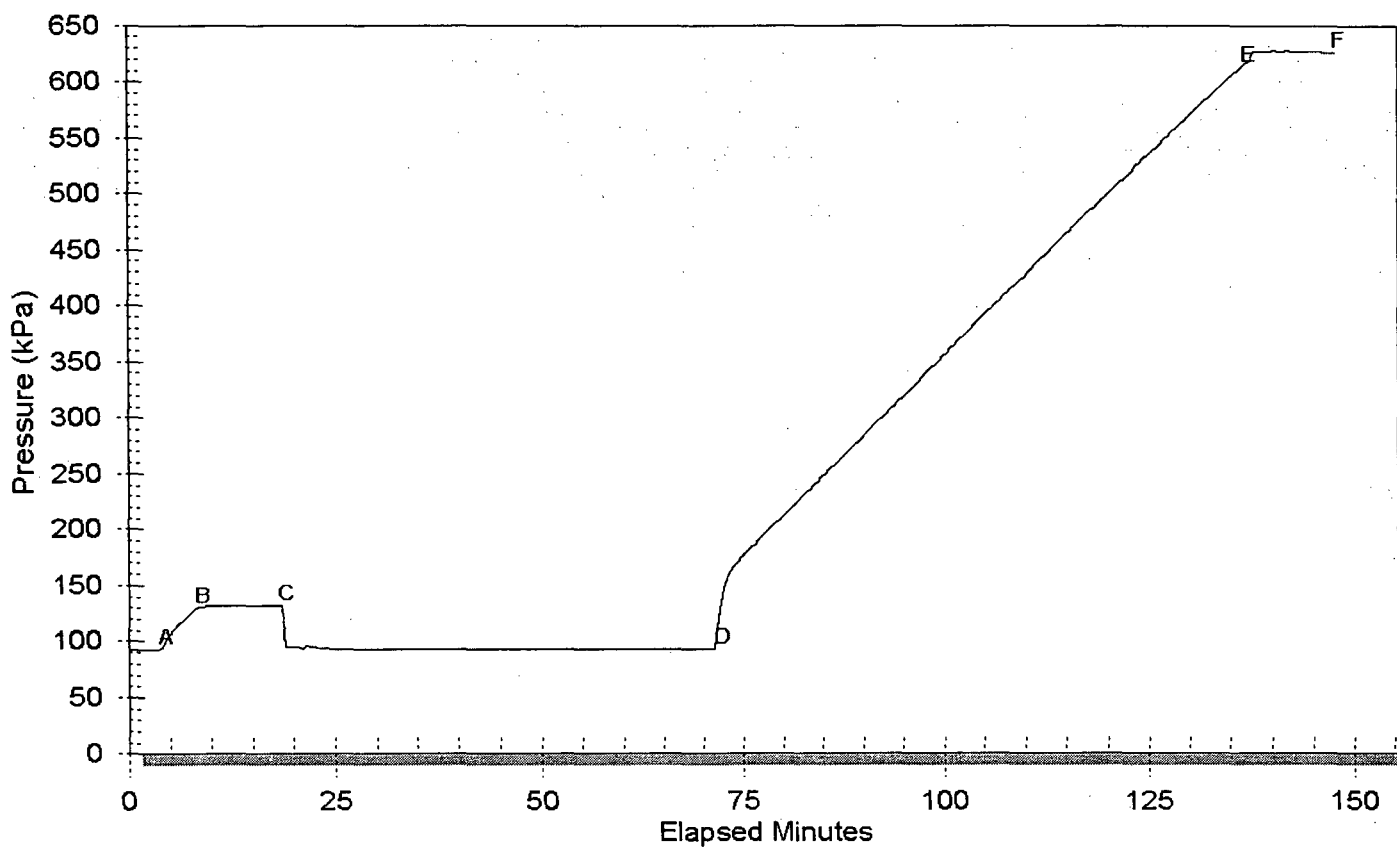
Test #: **2**

Well Name: **PARA ET AL CAMERON M-49**

Interval: **1,306.00 to 1,317.00 meters**

Well Location: **60.10/117.30**

Formation: **SLAVE POINT**



- A Start of 1st Flow
- B End of 1st Flow
- C Start of 1st Bleed-Off
- D Start of 2nd Flow
- E End of 2nd Flow
- F Start of 2nd Bleed-Off



Recovery Pressure

Baker Oil Tools
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Baker's Ticket: **60-0643**

Date: **Mon 03 Mar 2003**

Customer: **PARAMOUNT RESOURCES**

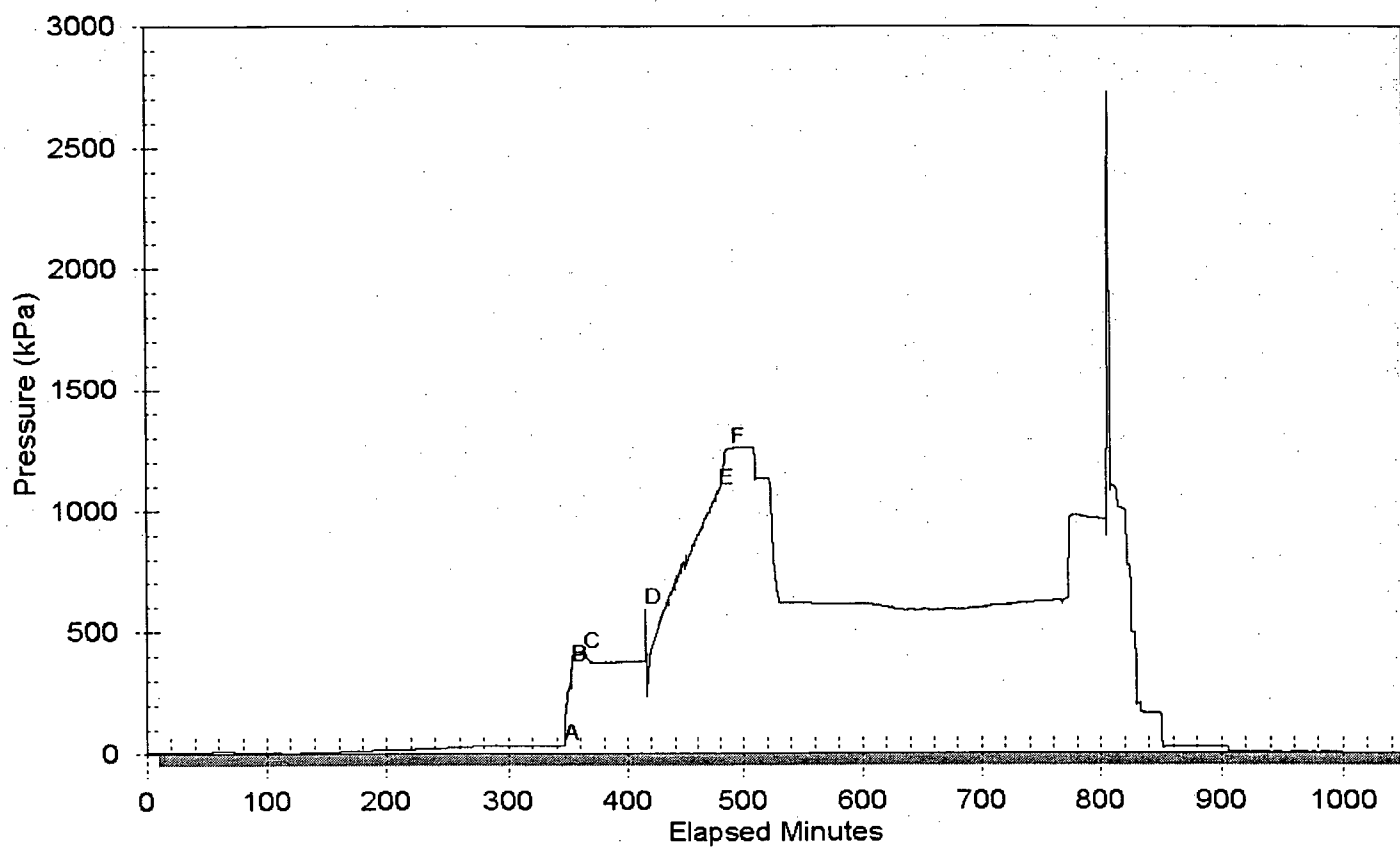
Test #: **2**

Well Name: **PARA ET AL CAMERON M-49**

Interval: **1,306.00 to 1,317.00 meters**

Well Location: **60.10/117.30**

Formation: **SLAVE POINT**



- A Start of 1st Flow
- B End of 1st Flow
- C Start of 1st Bleed-Off
- D Start of 2nd Flow
- E End of 2nd Flow
- F Start of 2nd Bleed-Off



Combination Flow Rates

1st Flow

Baker Oil Tools
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Baker's Ticket: **60-0643**

Date: **Mon 03 Mar 2003**

Customer: **PARAMOUNT RESOURCES**

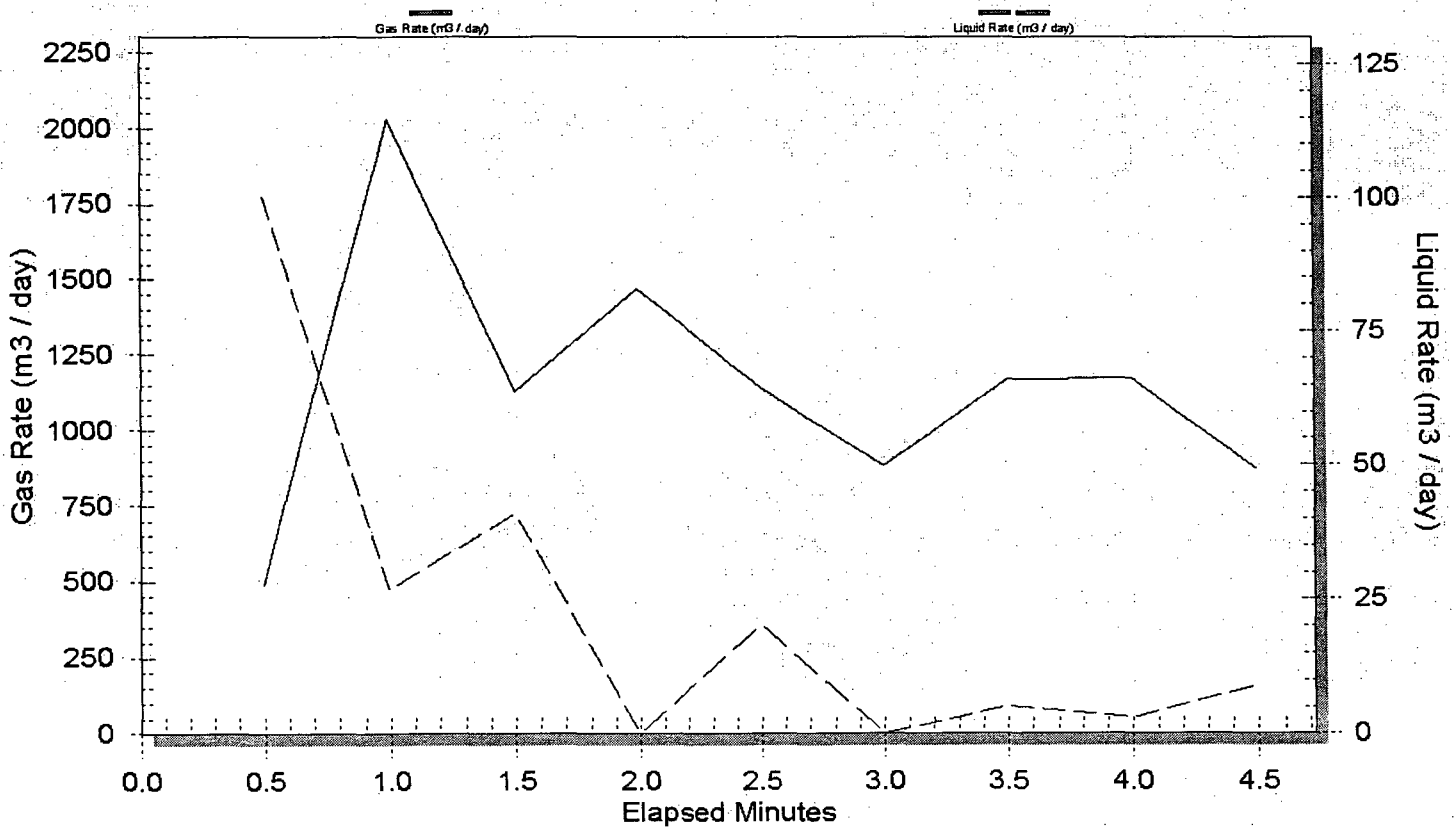
Test #: **2**

Well Name: **PARA ET AL CAMERON M-49**

Interval: **1,306.00 to 1,317.00 meters**

Well Location: **60.10/117.30**

Formation: **SLAVE POINT**





Combination Flow Rates

2nd Flow

Baker Oil Tools
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(403) 537-3400 * <http://www.bakeroiltools.com/>

Baker's Ticket: **60-0643**

Date: **Mon 03 Mar 2003**

Customer: **PARAMOUNT RESOURCES**

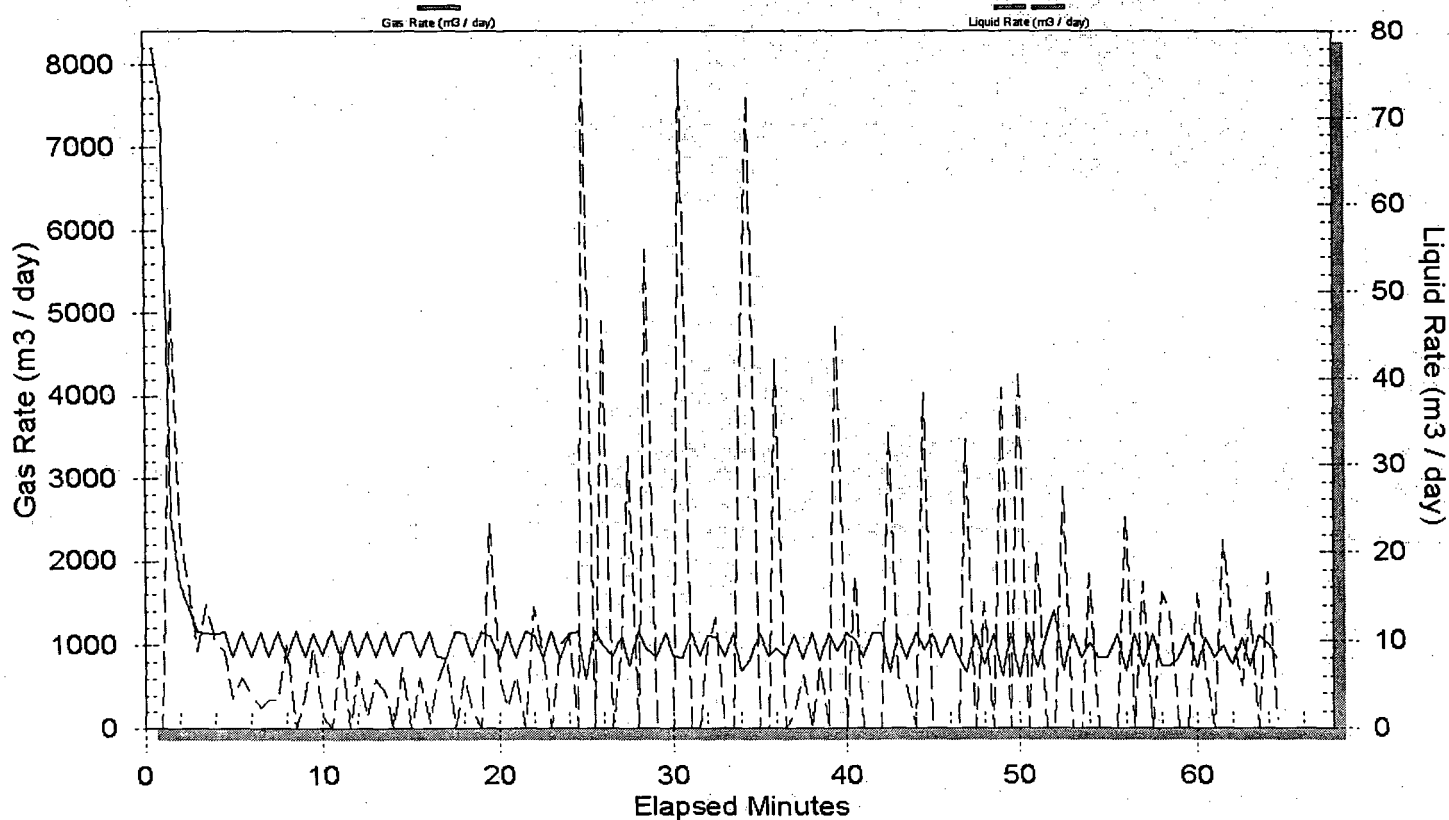
Test #: **2**

Well Name: **PARA ET AL CAMERON M-49**

Interval: **1,306.00 to 1,317.00 meters**

Well Location: **60.10/117.30**

Formation: **SLAVE POINT**



Formation: SLAVE POINT
Interval - from: 1306.00 to: 1317.00 m

Recorder# 932 at 1293.00 m

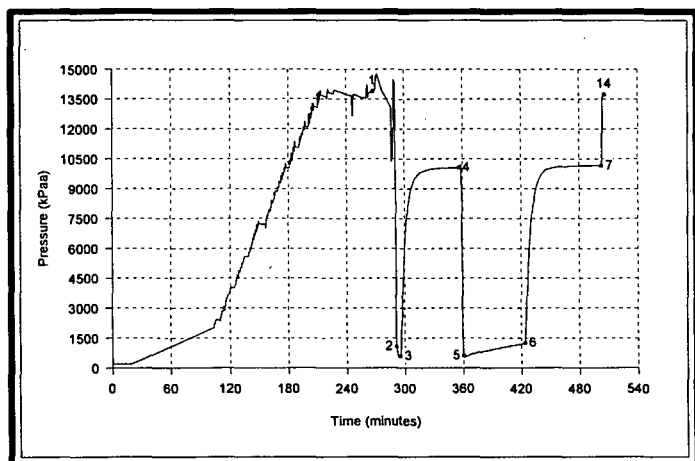
Test Date: 2003-03-03
Test Type: INFLATE STRADDLE
Tester Name: C.PETERSON
Drill Pipe O.D.: 114.00 mm
Drill Collar I.D.: 64.00 mm
Drill Collar Length: 56.69 m
Hole Size: 200.00 mm

Blow Description:

Closed Chamber with Baker Oil Tools. Had a dark yellow flame while venting off on the final shut-in.

Remarks:

Mechanically successful test. Results suggest relatively low permeability within the interval tested. Had oil spotting at the tools.



Maximum Btm Hole Temperature @ FSI: 46.0 C

		Pressure (kPaa)	Time (min)	Extrapolated Pressure (kPaa)
1	Initial Hydrostatic	13891		
2	Start of 1st Flow	1072		
3	End of 1st Flow	583	4.0	
4	End of 1st Shut-in	10045	61.0	
5	Start of 2nd Flow	601		
6	End of 2nd Flow	1246	63.5	
7	End of 2nd Shut-in	10154	78.7	
14	Final Hydrostatic	13726		

Liquid Recovery of 96.00 m

Recovery	Description	Salinity
30.00 m	GAS CUT DRILLING FLUID	
66.00 m	GAS CUT BRACKISH WATER	3600

PARA ET AL CAMERON M-49
60.100/117.300
DST #: 2
Recorder: 932

Pressure (kPaa) at Critical Points:
1: 13891 4: 10045 7: 10154
2: 1072 5: 601 14: 13726
3: 583 6: 1246

