BAKER HUGHES

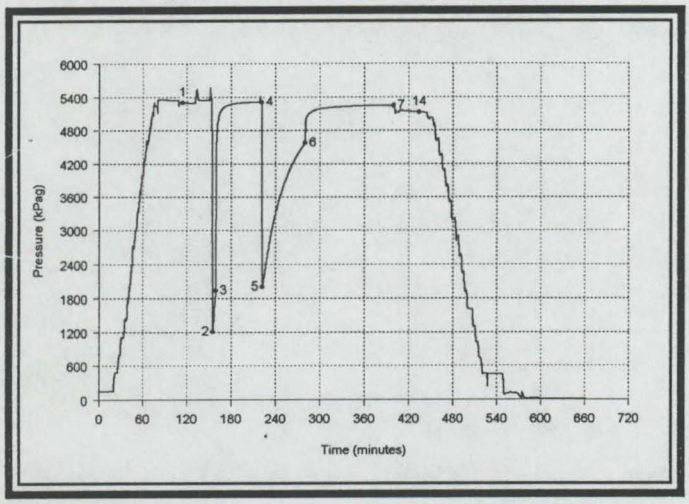
CHEVRON ET AL MCKAY LAKES O-80
00/ 60.200 / 123.150 /0
DST# 2

Baker Oil Tools

Formation: Fantasque
Interval - from: 485.00 **to:** 492.00 meters

Test Date: 1999-09-06
Test Type : Inflate Straddle

Recorder# R85 at 487.00 meters



Max Btm Hole Temperature @ FSI: 28.6 C

		Pressure (kPag)	*Time (min)*	*Extrapolated Pressure (kPag)*
1	Initial Hydrostatic	5291		
2	Start of 1st Flow	1200		
3	End of 1st Flow	1932	4.5	
4	End of 1st Shut-in	5305	61.5	5328.4
5	Start of 2nd Flow	2000		
6	End of 2nd Flow	4573	58.0	
7	End of 2nd Shut-in	5242	120.0	5270.5
14	Final Hydrostatic	5121		

Blow Description:

PREFLOW: Weak air blow increasing to good in 1.5 minutes then slowly decreasing after 4 minutes. No gas to surface.

FINAL FLOW: Weak air blow increasing to good in 1.5 minutes then steady throughout. No gas or fluid to surface.

Remarks:

Mechanically successful test. Results suggest high permeability within the interval tested.

Liquid Recovery 450.00 meters

Salinity : 1 500 g/m3

Recovery	*Description*
100.00 m	MUDDY FRESH WATER
350.00 m	SOUR SMELLING WATER

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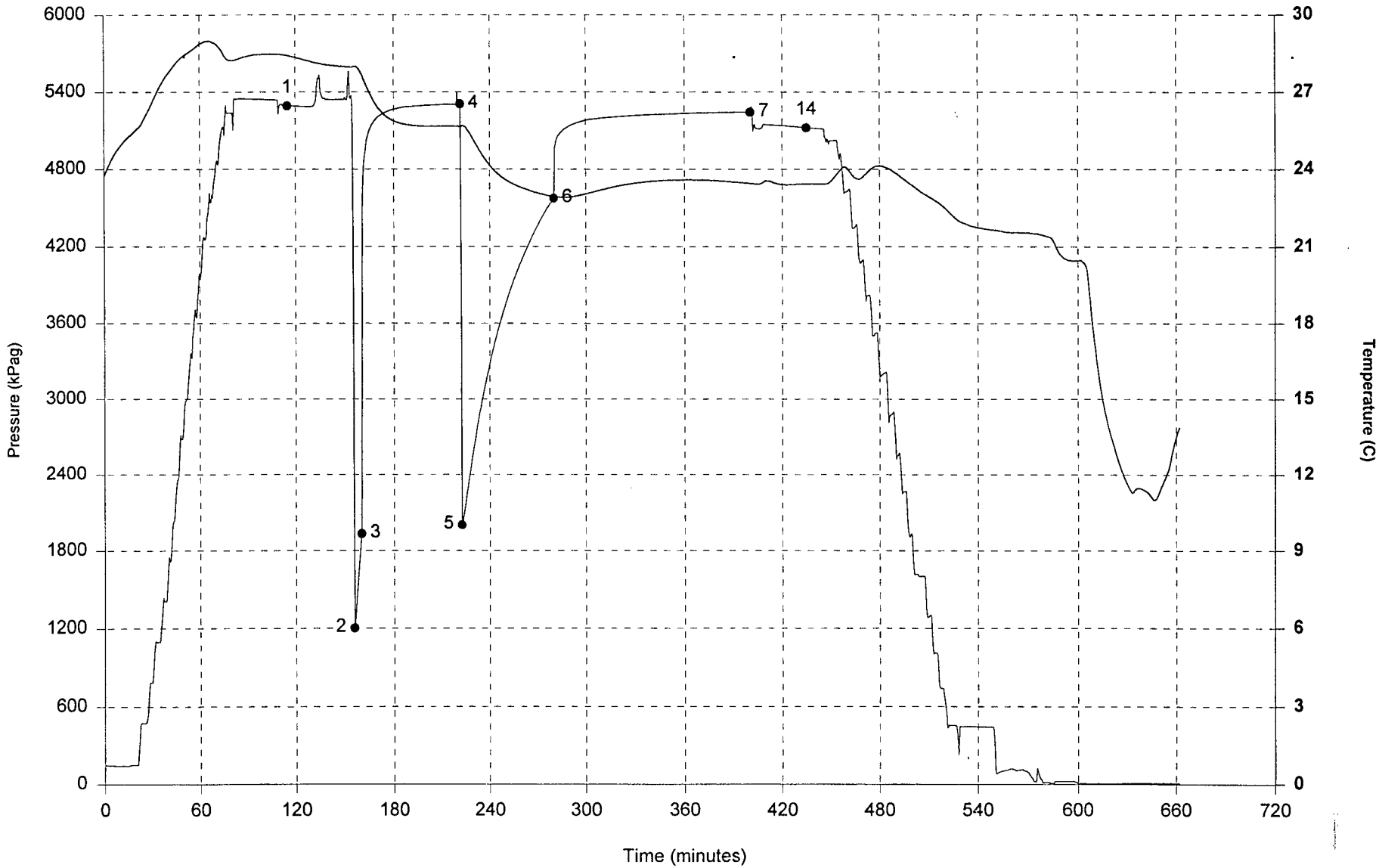
Recorder: R85

Pressure (kPag) at Critical Points:

1: 5291	4: 5305	7: 5242
2: 1200	5: 2000	14: 5121
3: 1932	6: 4573	



CHEVRON ET AL MCKAY LAKES O-80
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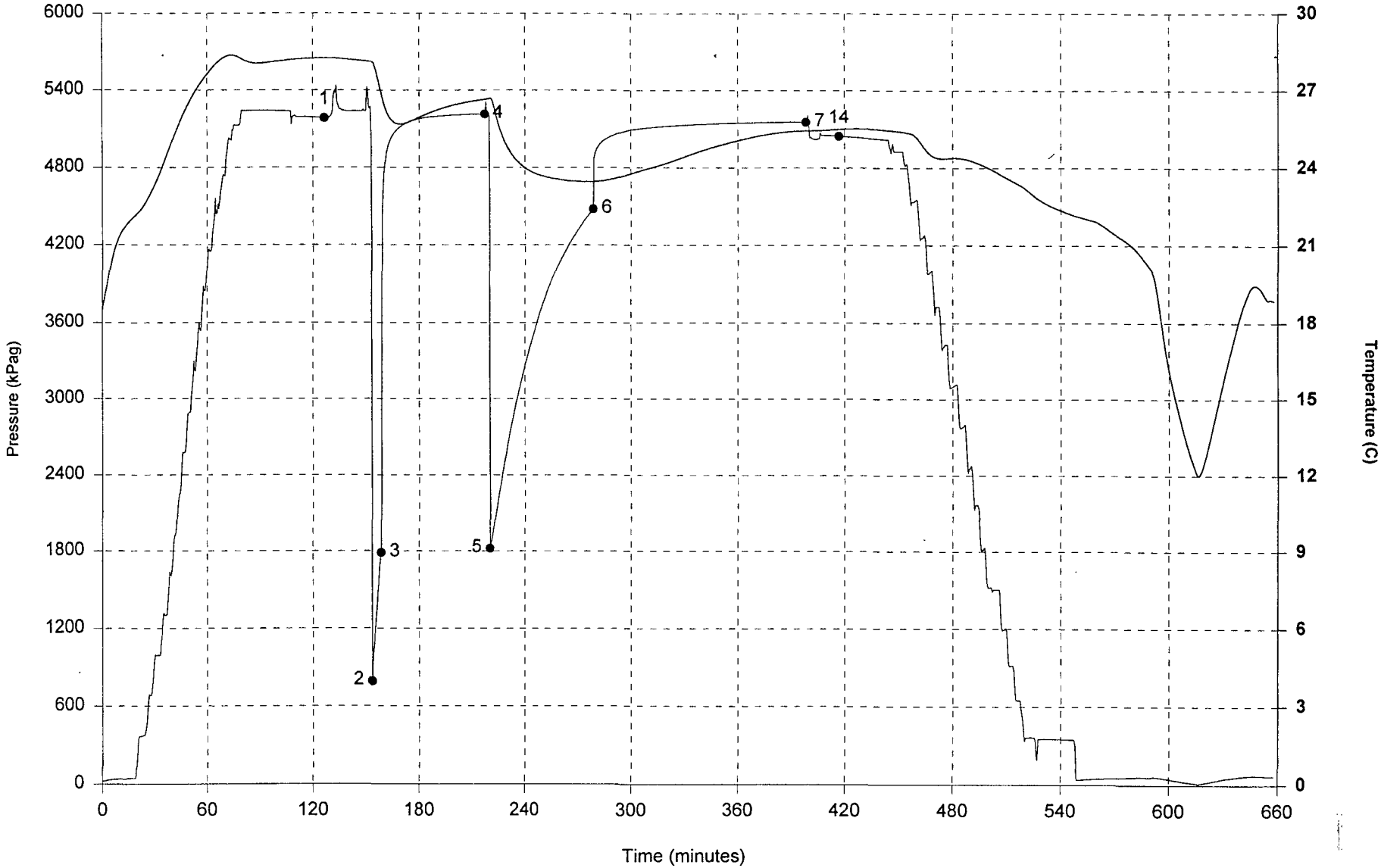
DST #: 2
Recorder: N37

Pressure (kPag) at Critical Points:
1: 5183 4: 5213 7: 5152
2: 790 5: 1817 14: 5044
3: 1786 6: 4477

Above interval



CHEVRON ET AL MCKAY LAKES O-80
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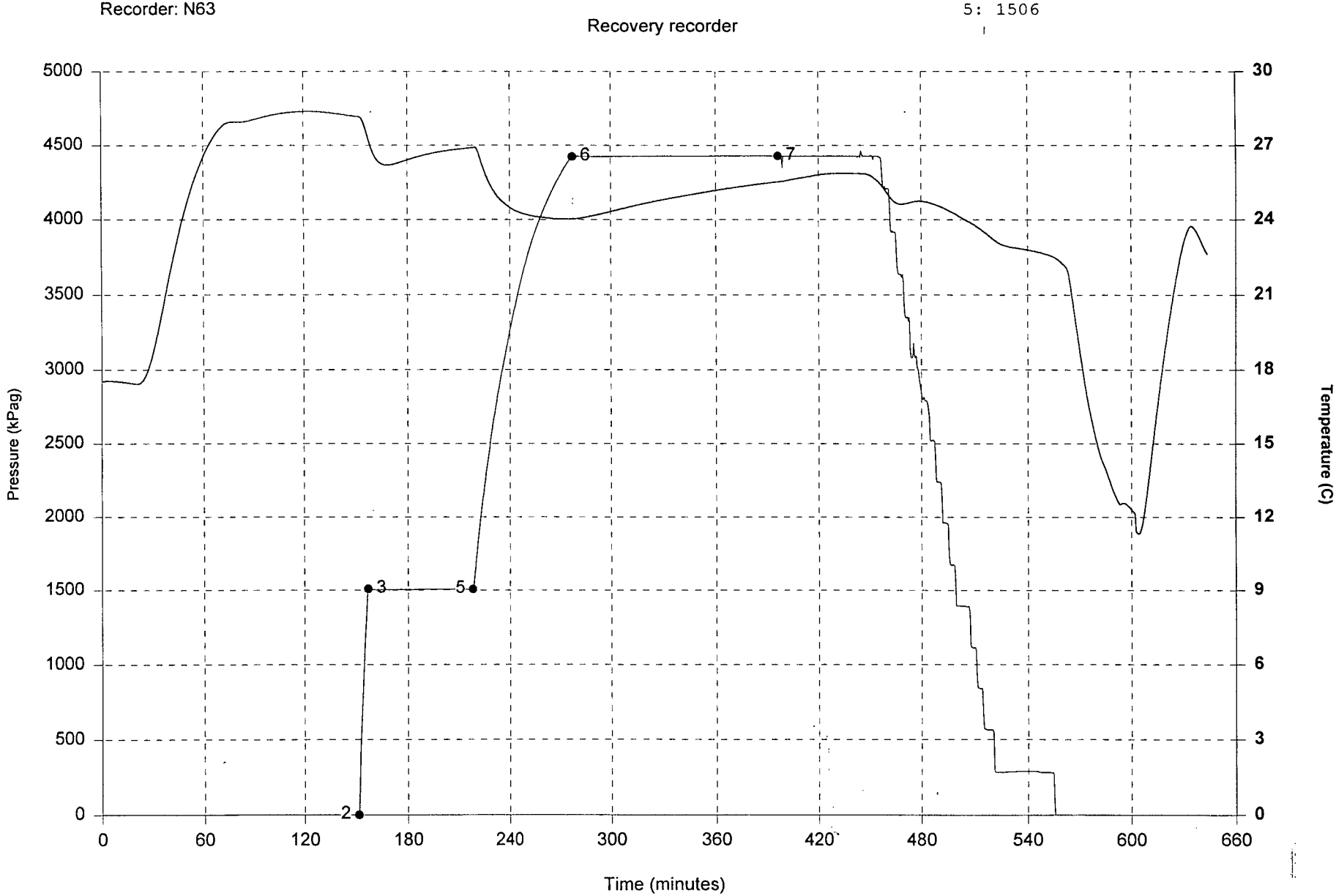
DST #: 2
Recorder: N63

Pressure (kPag) at Critical Points:
2: 0 6: 4421
3: 1508 7: 4426
5: 1506



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DST# 2

General Information:

Operator: Chevron Canada Resources Limited
500 - 5th Avenue S.W.
Calgary Alberta T2P 0L7

Tester: Prysunka S
Ticket#: 807428
Reverse Circulated? N
KB Elevation: 299.60 meters
Ground Elevat'n: 292.32 meters
Total Depth: 1,028.00 meters

Mud Data:

Weight: 1080 kg/m3
Type: Gel Chemical
Viscosity: 56 s/l
Water Loss: 5.5 cc/s
Filter Cake: 1.5 mm

Hole Data:

Drilled Hole Size: 222 mm
Calipered Hole Size: 230 mm
Hole Condition at Test Time: Good
Conditioned prior to this test? Y

Recorder Summary:

Recorder#	*Type*	*Position*	*Capacity*	*Units*	*Depth*	*Comments*
N63	ZI	Fluid Recovery	41400	kPag	471.00	Recovery recorder
N37	ZI	Inside	41400	kPag	476.00	Above interval
9487	K-3	Outside	20700	kPag	487.00	
R85	ZI	Outside	68900	kPag	487.00	
19531	K-3	Below Straddle	22400	kPag	494.00	Below interal

Distributions:

Reports Sent To: Eric Furlan
Fluid Samples - no of: 6 Sent To: AGAT

Bottom Hole Sampler#	*Sent To*
222	AGAT

CHEVRON ET AL MCKAY LAKES O-80
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Tool Sequence:

Description	*Length*
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
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	2.36 m
Spacing	2.98 m
Packer Stick Up	0.42 m
Bottom Inflate Packer	1.90 m
Recorder Carrier	0.00 m
Perforations	0.30 m
Belly Spring	2.00 m

Tool String Length:	25.64 m
Drill Collar I.D.: 60 mm	28.68 m
Drill Pipe O.D.: 127 mm	445.22 m
Collar Pipe Total:	473.90 m
Stick Up:	3.34 m
Tool Above:	14.44 m
Interval Tested:	7.00 m
Bottom Hole Choke Size:	25.40 mm

CHEVRON ET AL MCKAY LAKES O-80
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DST# 2
Recorder# N63

Build-up and Flow Curve Increments

Flow# 1

Chart Label	Time (min)	Pressure (kPag)
2	0.0	1200
	0.5	1257
	1.0	1335
	1.5	1426
	2.0	1519
	2.5	1617
	3.0	1697
	3.5	1790
	4.0	1883
3	4.5	1932

Shut-in# 1

Chart Label	Time (min)	Delta P (kPag)	Pressure (kPag)	Abscissa (T+dT)/dT	Used for Extrap
	0.0		1932		
	2.0	2977	4908	3.2500	
	4.0	3130	5061	2.1250	
	6.0	3200	5132	1.7500	
	8.0	3242	5173	1.5625	
	10.0	3269	5201	1.4500	
	12.0	3289	5221	1.3750	
	14.0	3304	5235	1.3214	*
	16.0	3315	5247	1.2813	*
	18.0	3324	5256	1.2500	*
	20.0	3332	5263	1.2250	*
	22.0	3338	5269	1.2045	*
	24.0	3343	5275	1.1875	*
	26.0	3348	5279	1.1731	*
	28.0	3351	5283	1.1607	*
	30.0	3353	5284	1.1500	*
	32.0	3355	5287	1.1406	*
	34.0	3357	5289	1.1324	*
	36.0	3359	5291	1.1250	*
	38.0	3361	5293	1.1184	*
	40.0	3363	5294	1.1125	*
	42.0	3363	5295	1.1071	*
	44.0	3365	5296	1.1023	*
	46.0	3366	5297	1.0978	*
	48.0	3367	5299	1.0938	*
	50.0	3369	5300	1.0900	*
	52.0	3370	5302	1.0865	*
	54.0	3370	5302	1.0833	*
	56.0	3370	5302	1.0804	*
	58.0	3371	5303	1.0776	*
	60.0	3374	5306	1.0750	*
4	61.5	3373	5305	1.0732	*

Flow# 2

Chart Label	Time (min)	Pressure (kPag)
5	0.0	2000
	1.5	2104
	3.0	2244
	4.5	2372
	6.0	2492

Shut-in# 2

Chart Label	Time (min)	Delta P (kPag)	Pressure (kPag)	Abscissa (T+dT)/dT	Used for Extrap
	0.0		4573		
	2.5	480	5054	26.0000	
	5.0	520	5094	13.5000	
	7.5	545	5118	9.3333	
	10.0	563	5136	7.2500	
	12.5	577	5150	6.0000	

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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Recorder# R85

Build-up and Flow Curve Increments

Flow# 2

Chart Label	Time (min)	Pressure (kPag)
	7.5	2614
	9.0	2729
	10.5	2846
	12.0	2942
	13.5	3044
	15.0	3136
	16.5	3219
	18.0	3305
	19.5	3388
	21.0	3464
	22.5	3537
	24.0	3601
	25.5	3670
	27.0	3734
	28.5	3796
	30.0	3855
	31.5	3907
	33.0	3962
	34.5	4013
	36.0	4060
	37.5	4107
	39.0	4150
	40.5	4192
	42.0	4232
	43.5	4271
	45.0	4309
	46.5	4344
	48.0	4379
	49.5	4411
	51.0	4442
	52.5	4474
	54.0	4502
	55.5	4529
	57.0	4555
6	58.0	4573

Shut-in# 2

Chart Label	Time (min)	Delta P (kPag)	Pressure (kPag)	Abscissa (T+dT)/dT	Used for Extrap
	15.0	588	5162	5.1667	
	17.5	598	5171	4.5714	
	20.0	606	5180	4.1250	
	22.5	612	5186	3.7778	
	25.0	616	5189	3.5000	
	27.5	619	5193	3.2727	
	30.0	623	5196	3.0833	
	32.5	626	5200	2.9231	
	35.0	629	5203	2.7857	*
	37.5	632	5205	2.6667	*
	40.0	634	5207	2.5625	*
	42.5	636	5210	2.4706	*
	45.0	638	5212	2.3889	*
	47.5	640	5214	2.3158	*
	50.0	642	5216	2.2500	*
	52.5	644	5218	2.1905	*
	55.0	646	5219	2.1364	*
	57.5	648	5221	2.0870	*
	60.0	649	5222	2.0417	*
	62.5	650	5224	2.0000	*
	65.0	652	5225	1.9615	*
	67.5	653	5226	1.9259	*
	70.0	654	5228	1.8929	*
	72.5	655	5229	1.8621	*
	75.0	656	5230	1.8333	*
	77.5	658	5231	1.8065	*
	80.0	658	5232	1.7813	*
	82.5	659	5233	1.7576	*
	85.0	660	5234	1.7353	*
	87.5	661	5235	1.7143	*
	90.0	662	5235	1.6944	*
	92.5	662	5236	1.6757	*
	95.0	663	5237	1.6579	*
	97.5	664	5238	1.6410	*
	100.0	665	5238	1.6250	*
	102.5	665	5239	1.6098	*
	105.0	666	5239	1.5952	*
	107.5	667	5240	1.5814	*
	110.0	667	5240	1.5682	*
	112.5	667	5241	1.5556	*
	115.0	668	5241	1.5435	*
	117.5	668	5242	1.5319	*
7	120.0	668	5242	1.5208	*

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# 2
Recorder# R85

Build-up and Flow Curve Increments

Horner Extrapolation:

Shut-in#	*Extrapolated Pressure (kPag)*	*Extrapolated Slope ((kPag/cycle)*
1	5328.4	745.72346
2	5270.5	154.61898

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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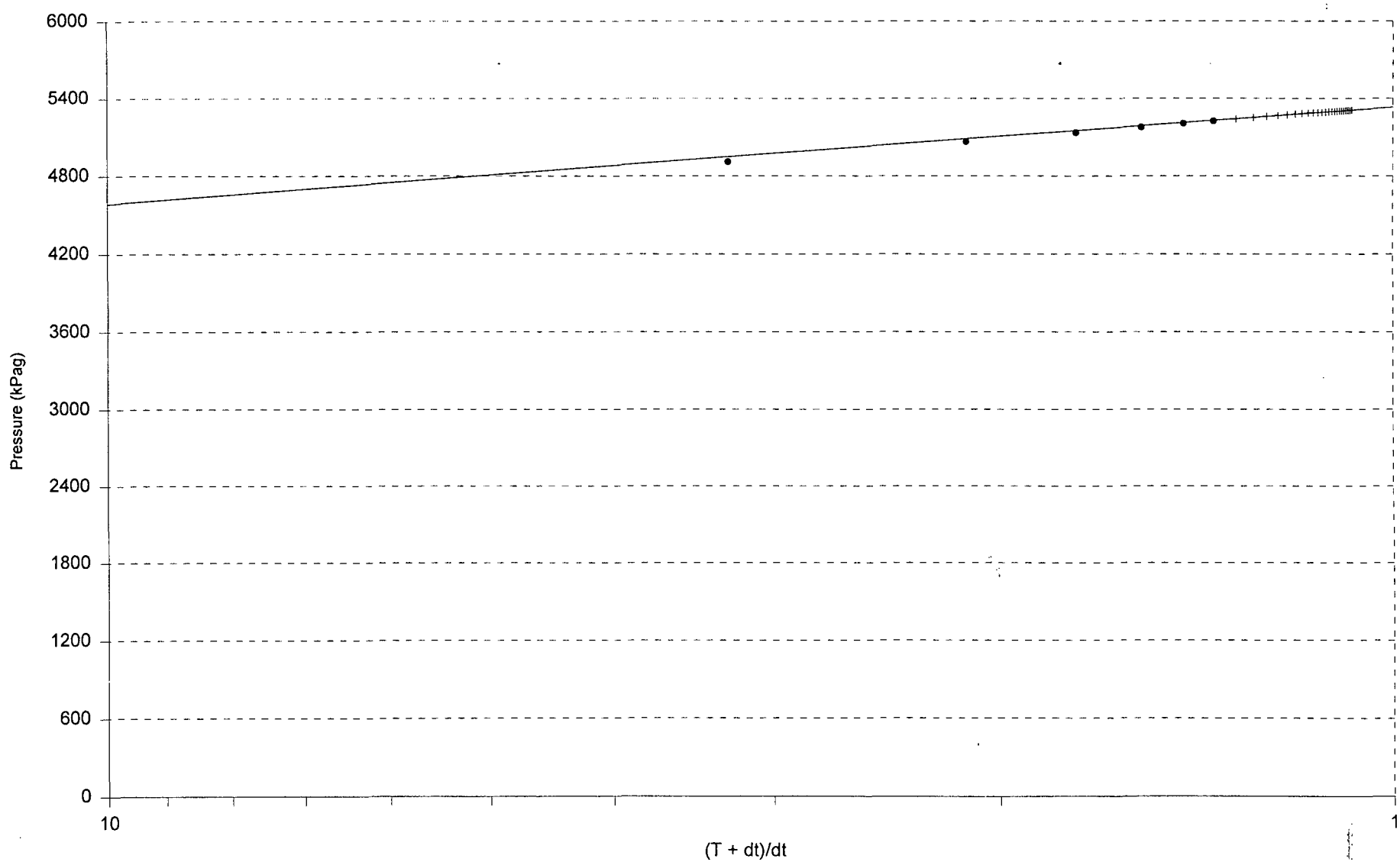
DST #: 2
Recorder: R85

Shut-in #1
Slope = 745.72 kPag/cycle
Extrapolated Pressure = 5328.43 kPag



CHEVRON ET AL MCKAY LAKES O-80
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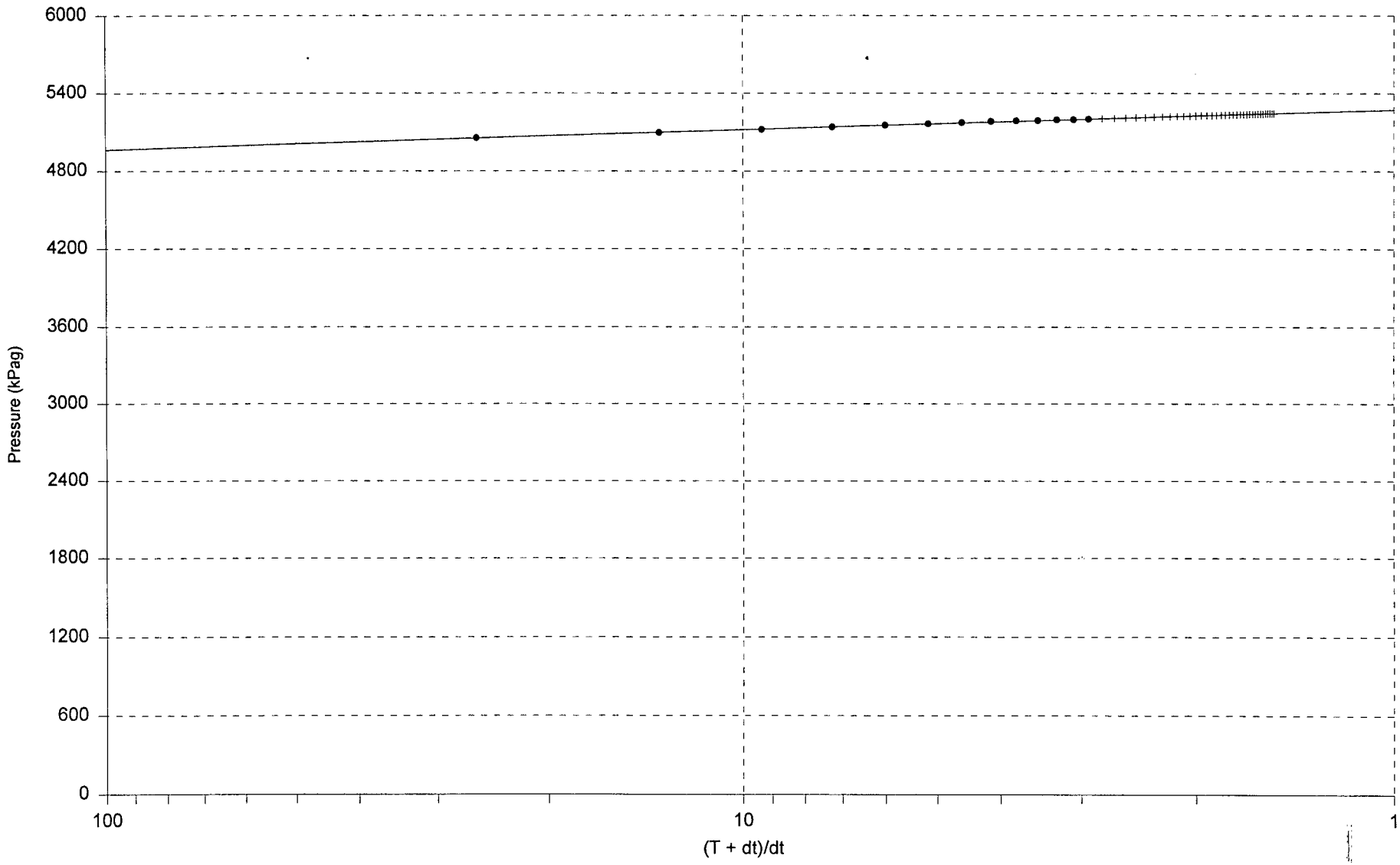
DST #: 2
Recorder: R85

Shut-in #2
Slope = 154.62 kPag/cycle
Extrapolated Pressure = 5270.53 kPag



CHEVRON ET AL MCKAY LAKES O-80
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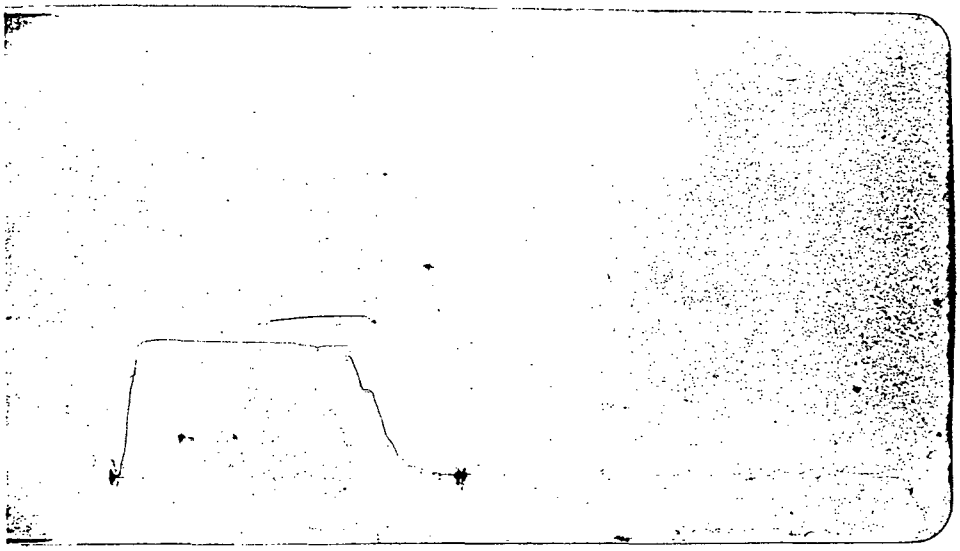
Recorder# 19531

Depth: 494.00 m
Location: Below Straddle

Recorder Type: K-3
Capacity: 22,400 kPag
Comments: Below interal

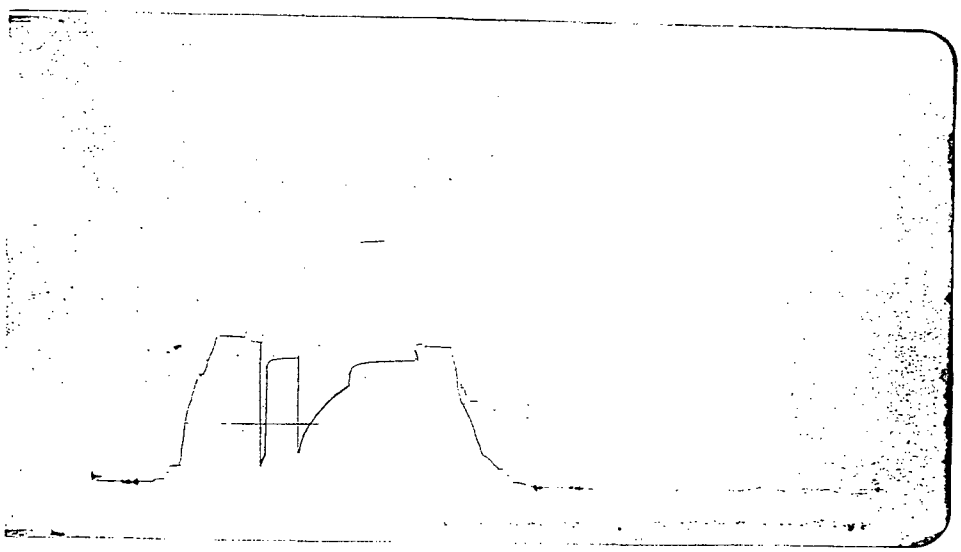


		Pressure (kPag)	*Time (min)*
1	Initial Hydrostatic	5376	
14	Final Hydrostatic	5265	

Recorder# 9487

Depth: 487.00 m
Location: Outside

Recorder Type: K-3
Capacity: 20,700 kPag



		Pressure (kPag)	*Time (min)*
1	Initial Hydrostatic	5204	
2	Start of 1st Flow	1094	
3	End of 1st Flow	1771	4.5
4	End of 1st Shut-in	5245	61.5
5	Start of 2nd Flow	1935	
6	End of 2nd Flow	4454	58.0
7	End of 2nd Shut-in	5172	120.0
14	Final Hydrostatic	5116	

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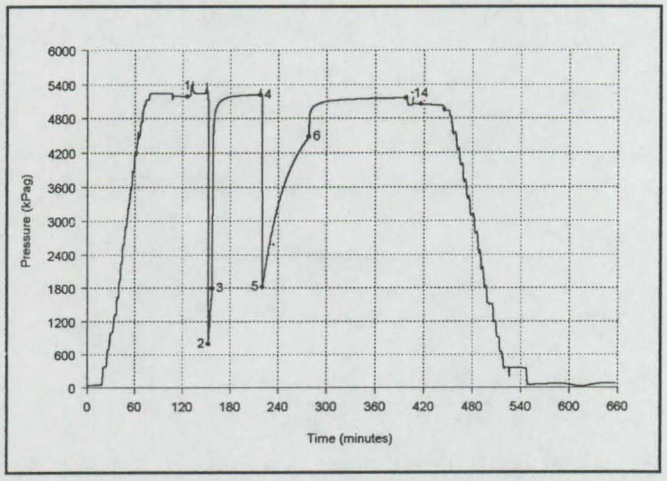
Recorder# N37

Depth: 476.00 m
Temperature: 28.2 C
Location: Inside

Recorder Type: ZI
Capacity: 41,400 kPag
Comments: Above interval

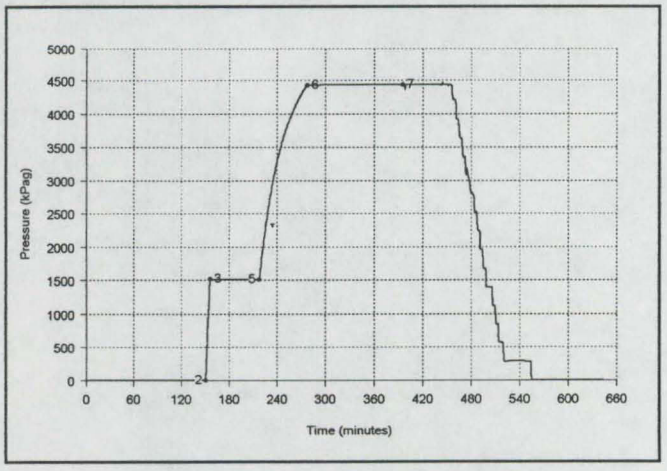


		Pressure (kPag)	*Time (min)*
1	Initial Hydrostatic	5183	
2	Start of 1st Flow	790	
3	End of 1st Flow	1786	4.5
4	End of 1st Shut-in	5213	61.5
5	Start of 2nd Flow	1817	
6	End of 2nd Flow	4477	58.0
7	End of 2nd Shut-in	5152	120.0
14	Final Hydrostatic	5044	

Recorder# N63

Depth: 471.00 m
Temperature: 28.2 C
Location: Fluid Recovery

Recorder Type: ZI
Capacity: 41,400 kPag
Comments: Recovery recorder



		Pressure (kPag)	*Time (min)*
2	Start of 1st Flow	0	
3	End of 1st Flow	1508	4.5
5	Start of 2nd Flow	1506	
6	End of 2nd Flow	4421	58.0
7	End of 2nd Shut-in	4426	120.0

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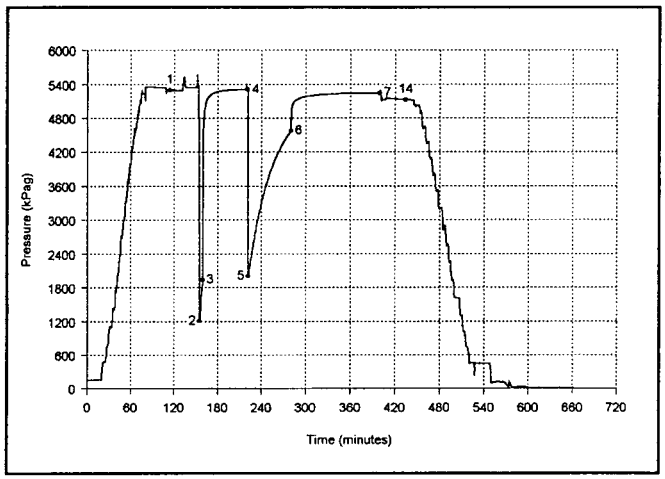
Recorder# R85

Depth: 487.00 m
Temperature: 28.6 C
Location: Outside

Recorder Type: ZI
Capacity: 68,900 kPag



		Pressure (kPag)	*Time (min)*
1	Initial Hydrostatic	5291	
2	Start of 1st Flow	1200	
3	End of 1st Flow	1932	4.5
4	End of 1st Shut-in	5305	61.5
5	Start of 2nd Flow	2000	
6	End of 2nd Flow	4573	58.0
7	End of 2nd Shut-in	5242	120.0
14	Final Hydrostatic	5121	