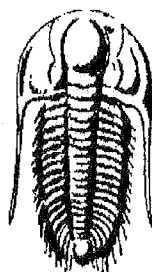


15-193-20705

31-10s-32w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Dane G. Hansen Trust**

P.O. Box 187
Logan, Ks 67646

ATTN: Dave Goldak

31-10s-32w Logan Thomas

Hecker #9

Start Date: 2005.09.26 @ 12:08:09

End Date: 2005.09.26 @ 17:57:18

Job Ticket #: 21372

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Dane G. Hansen Trust

Hecker #9

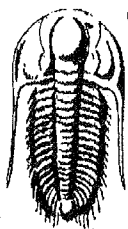
31-10s-32w Logan

DST # 1

LKC 130 - 140

2005.09.26

County is Thomas



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dane G. Hansen Trust

Hecker #9

P.O. Box 187
Logan, Ks 67646

31-10s-32w Logan

Job Ticket: 21372

DST#: 1

ATTN: Dave Goldak

Test Start: 2005.09.26 @ 12:08:09

GENERAL INFORMATION:

Formation: LKC 130 - 140

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:50:34

Time Test Ended: 17:57:18

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 18

Interval: 4168.00 ft (KB) To 4203.00 ft (KB) (TVD)

Total Depth: 4203.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3082.00 ft (KB)

3072.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6772 Inside

Press@RunDepth: 13.62 psig @ 4169.00 ft (KB)

Start Date: 2005.09.26

End Date:

2005.09.26

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Start Time: 12:08:09

End Time:

17:57:18

Time On Btm: 2005.09.26 @ 13:49:04

Time Off Btm: 2005.09.26 @ 16:20:49

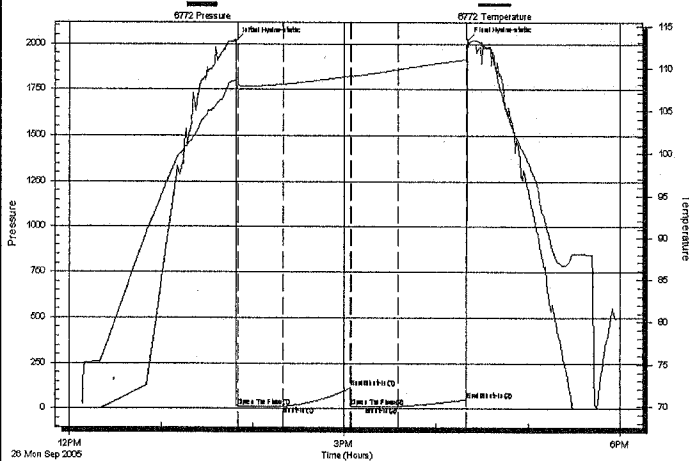
TEST COMMENT: IF: Surface blow died in 5 min.

IS: No reutrn.

FF: No blow.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

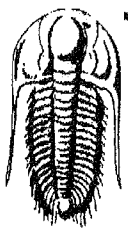
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2015.25	108.48	Initial Hydro-static
2	11.96	107.97	Open To Flow (1)
31	12.71	108.07	Shut-In(1)
76	114.93	109.05	End Shut-In(1)
76	13.40	109.03	Open To Flow (2)
107	13.62	109.81	Shut-In(2)
151	50.91	111.00	End Shut-In(2)
152	2019.41	112.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud some oil spots 100% m	0.01

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dane G. Hansen Trust

Hecker #9

P.O. Box 187
Logan, Ks 67646

31-10s-32w Logan

Job Ticket: 21372

DST#: 1

ATTN: Dave Goldak

Test Start: 2005.09.26 @ 12:08:09

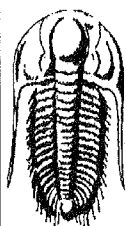
Tool Information

Drill Pipe:	Length: 4147.00 ft	Diameter: 3.80 inches	Volume: 58.17 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 58.33 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4168.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4147.00	
Shut In Tool	5.00			4152.00	
Hydraulic tool	5.00			4157.00	
Safety Joint	2.00			4159.00	
Packer	5.00		Fluid	4164.00	22.00 Bottom Of Top Packer
Packer	4.00			4168.00	
Stubb	1.00			4169.00	
Recorder	0.00	6772	Inside	4169.00	
Perforations	29.00			4198.00	
Recorder	0.00	7437	Inside	4198.00	
Bullnose	5.00			4203.00	35.00 Bottom Packers & Anchor

Total Tool Length: 57.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dane G. Hansen Trust

Hecker #9

P.O. Box 187
Logan, Ks 67646

31-10s-32w Logan

Job Ticket: 21372

DST#: 1

ATTN: Dave Goldak

Test Start: 2005.09.26 @ 12:08:09

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.14 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud some oil spots 100%m	0.015

Total Length: 3.00 ft

Total Volume: 0.015 bbl

Num Fluid Samples: 0

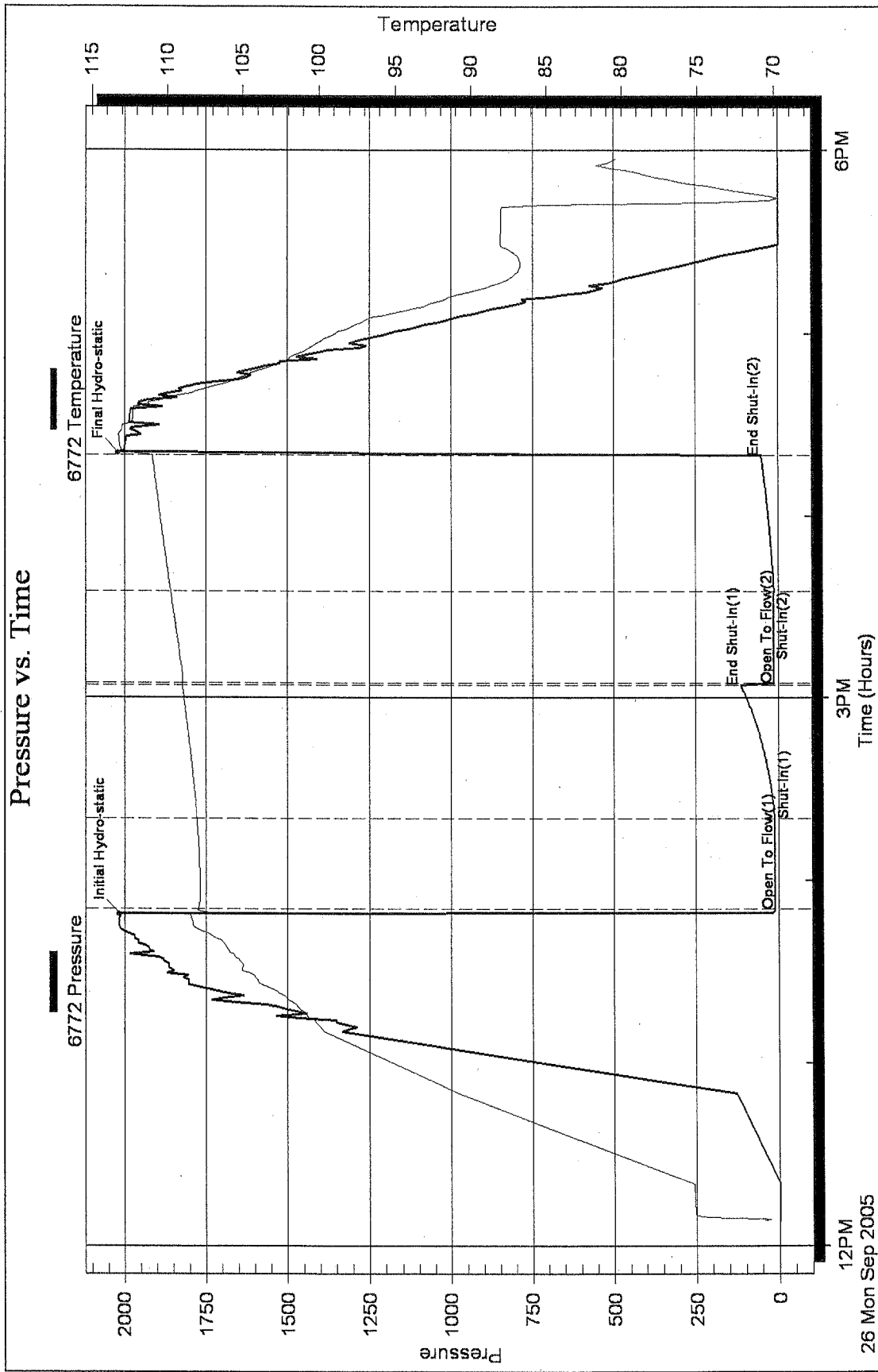
Num Gas Bombs: 0

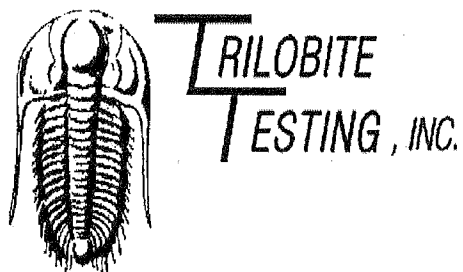
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Dane G. Hansen Trust**

P.O. Box 187
Logan, Ks 67646

ATTN: Dave Goldak

31-10s-32w Logan

Hecker #9

Start Date: 2005.09.26 @ 12:10:06

End Date: 2005.09.26 @ 19:18:45

Job Ticket #: 21373

DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Dane G. Hansen Trust

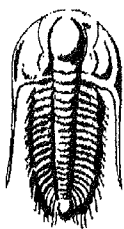
Hecker #9

31-10s-32w Logan

DST # 2

LKC 180

2005.09.26



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dane G. Hansen Trust

Hecker #9

P.O. Box 187
Logan, Ks 67646

31-10s-32w Logan

Job Ticket: 21373

DST#: 2

ATTN: Dave Goldak

Test Start: 2005.09.26 @ 12:10:06

GENERAL INFORMATION:

Formation: LKC 180

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:10:16

Time Test Ended: 19:18:45

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 18

Interval: 4207.00 ft (KB) To 4226.00 ft (KB) (TVD)

Total Depth: 4226.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3082.00 ft (KB)

3072.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6772

Inside

Press@RunDepth: 32.81 psig @ 4208.00 ft (KB)

Start Date: 2005.09.26

End Date:

2005.09.26

Capacity: 7000.00 psig

Last Calib.: 2005.09.28

Start Time: 12:10:06

End Time:

19:18:45

Time On Btm: 2005.09.26 @ 14:07:46

Time Off Btm: 2005.09.26 @ 17:30:30

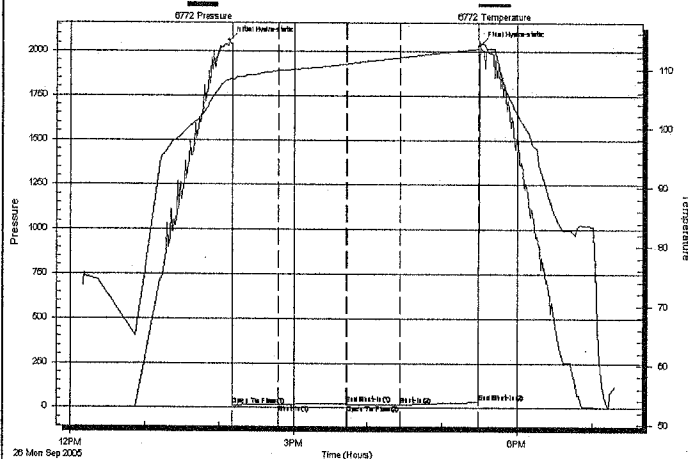
TEST COMMENT: IF: Surface blow built to 1 in 30 min.

IS: No return.

FF: No blow.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

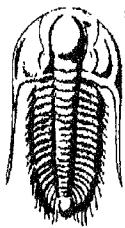
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2059.31	108.20	Initial Hydro-static
3	11.99	107.93	Open To Flow (1)
40	18.30	109.73	Shut-In(1)
95	23.07	110.80	End Shut-In(1)
96	16.75	110.83	Open To Flow (2)
139	18.27	111.95	Shut-In(2)
202	32.81	113.43	End Shut-In(2)
203	2036.65	114.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	ocm 5%o 95%am	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dane G. Hansen Trust

Hecker #9

P.O. Box 187
Logan, Ks 67646

31-10s-32w Logan

Job Ticket: 21373

DST#: 2

ATTN: Dave Goldak

Test Start: 2005.09.26 @ 12:10:06

Tool Information

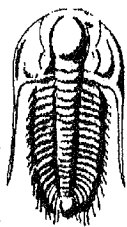
Drill Pipe:	Length: 4177.00 ft	Diameter: 3.80 inches	Volume: 58.59 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose:	70000.00 lb
			Total Volume: 58.75 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	49000.00 lb
Depth to Top Packer:	4207.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	19.00 ft				
Tool Length:	41.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4186.00	
Shut In Tool	5.00			4191.00	
Hydraulic tool	5.00			4196.00	
Safety Joint	2.00			4198.00	
Packer	5.00		Fluid	4203.00	22.00 Bottom Of Top Packer
Packer	4.00			4207.00	
Stubb	1.00			4208.00	
Recorder	0.00	6772	Inside	4208.00	
Perforations	13.00			4221.00	
Recorder	0.00	7437	Inside	4221.00	
Bullnose	5.00			4226.00	19.00 Bottom Packers & Anchor

Total Tool Length: 41.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Danè G. Hansen Trust

Hecker #9

P.O. Box 187
Logan, Ks 67646

31-10s-32w Logan

Job Ticket: 21373

DST#: 2

ATTN: Dave Goldak

Test Start: 2005.09.26 @ 12:10:06

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.14 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	ocm 5%o 95%m	0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

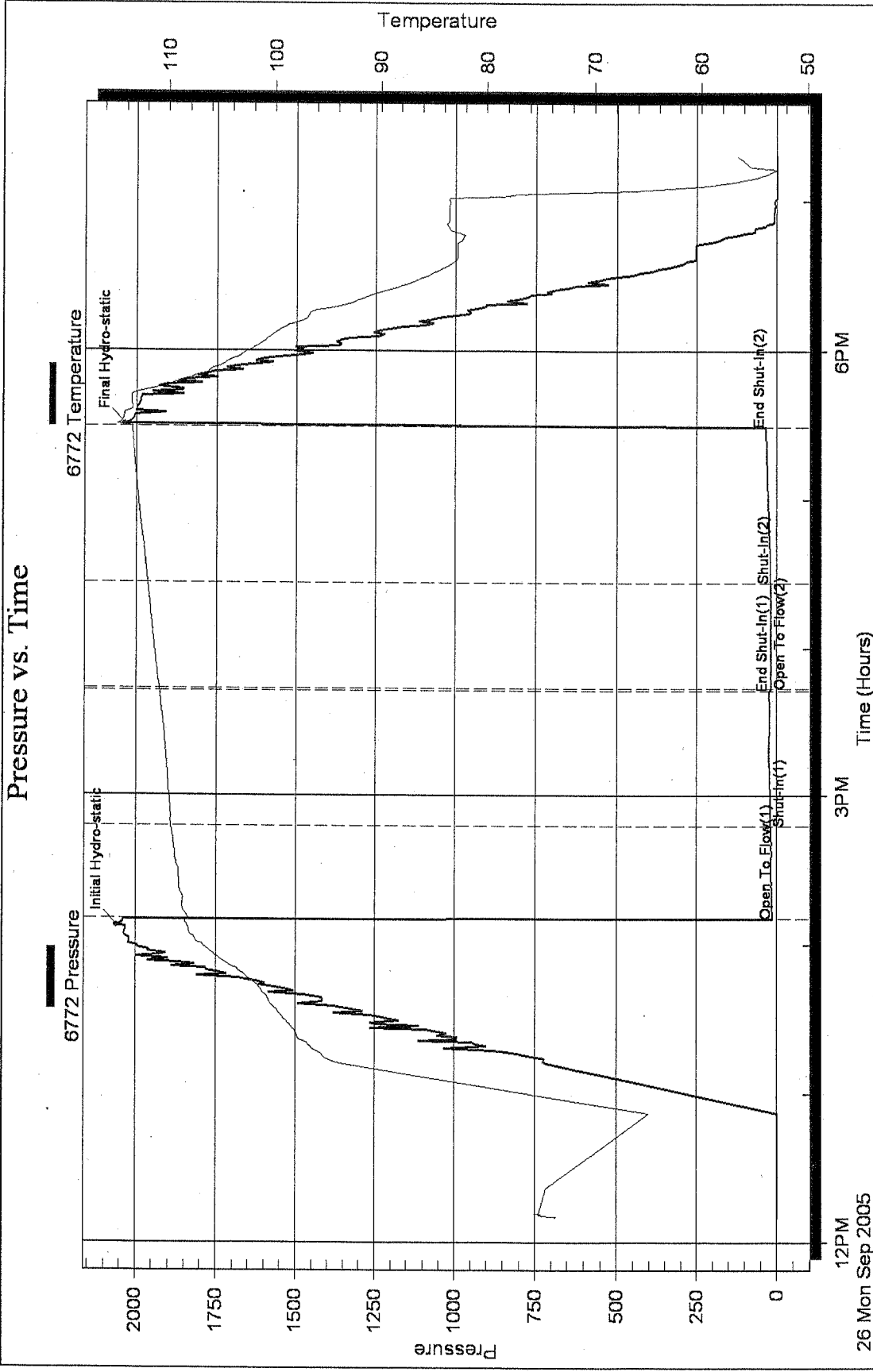
Serial #:

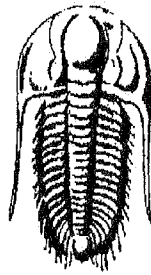
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Dane G. Hansen Trust**

P.O. Box 187
Logan, Ks 67646

ATTN: Dave Goldak

31-10s-32w Logan

Hecker #9

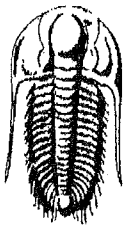
Start Date: 2005.09.27 @ 13:37:41

End Date: 2005.09.27 @ 18:33:20

Job Ticket #: 21374

DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dane G. Hansen Trust

P.O. Box 187
Logan, Ks 67646

ATTN: Dave Goldak

Hecker #9

31-10s-32w Logan

Job Ticket: 21374

DST#: 3

Test Start: 2005.09.27 @ 13:37:41

GENERAL INFORMATION:

Formation: **LKC 200**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:55:21

Time Test Ended: 18:33:20

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 18

Interval: **4226.00 ft (KB) To 4254.00 ft (KB) (TVD)**

Total Depth: 4254.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3082.00 ft (KB)

3072.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6772

Inside

Press@RunDepth: 14.53 psig @ 4227.00 ft (KB)

Start Date: 2005.09.27

End Date:

2005.09.27

Start Time: 13:37:41

End Time:

18:33:20

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2005.09.27 @ 14:52:36

Time Off Btm: 2005.09.27 @ 17:13:06

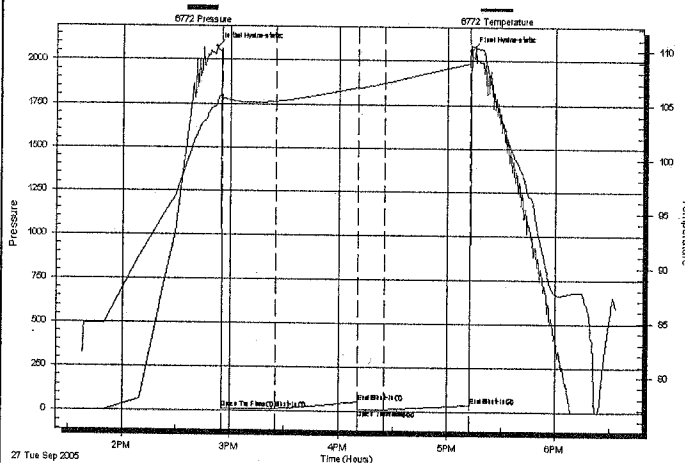
TEST COMMENT: IF: Weak surface blow died in 2 min.

IS: No return.

FF: No blow.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

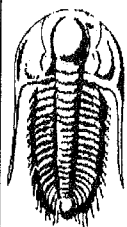
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2075.29	105.06	Initial Hydro-static
3	12.43	105.20	Open To Flow (1)
33	14.15	105.32	Shut-In(1)
78	56.60	106.63	End Shut-In(1)
78	14.88	106.62	Open To Flow (2)
93	14.53	107.05	Shut-In(2)
140	41.10	108.89	End Shut-In(2)
141	2062.81	110.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	0.01

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dane G. Hansen Trust

Hecker #9

P.O. Box 187
Logan, Ks 67646

31-10s-32w Logan

Job Ticket: 21374

DST#: 3

ATTN: Dave Goldak

Test Start: 2005.09.27 @ 13:37:41

Tool Information

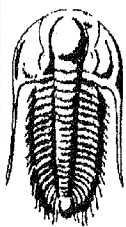
Drill Pipe:	Length: 4177.00 ft	Diameter: 3.80 inches	Volume: 58.59 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 58.75 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4226.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4205.00	
Shut In Tool	5.00			4210.00	
Hydraulic tool	5.00			4215.00	
Safety Joint	2.00			4217.00	
Packer	5.00		Fluid	4222.00	22.00 Bottom Of Top Packer
Packer	4.00			4226.00	
Stubb	1.00			4227.00	
Recorder	0.00	6772	Inside	4227.00	
Perforations	22.00			4249.00	
Recorder	0.00	7437	Inside	4249.00	
Bullnose	5.00			4254.00	28.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dane G. Hansen Trust

Hecker #9

P.O. Box 187
Logan, Ks 67646

31-10s-32w Logan

Job Ticket: 21374

DST#: 3

ATTN: Dave Goldak

Test Start: 2005.09.27 @ 13:37:41

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.14 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100% m	0.010

Total Length: 2.00 ft

Total Volume: 0.010 bbl

Num Fluid Samples: 0

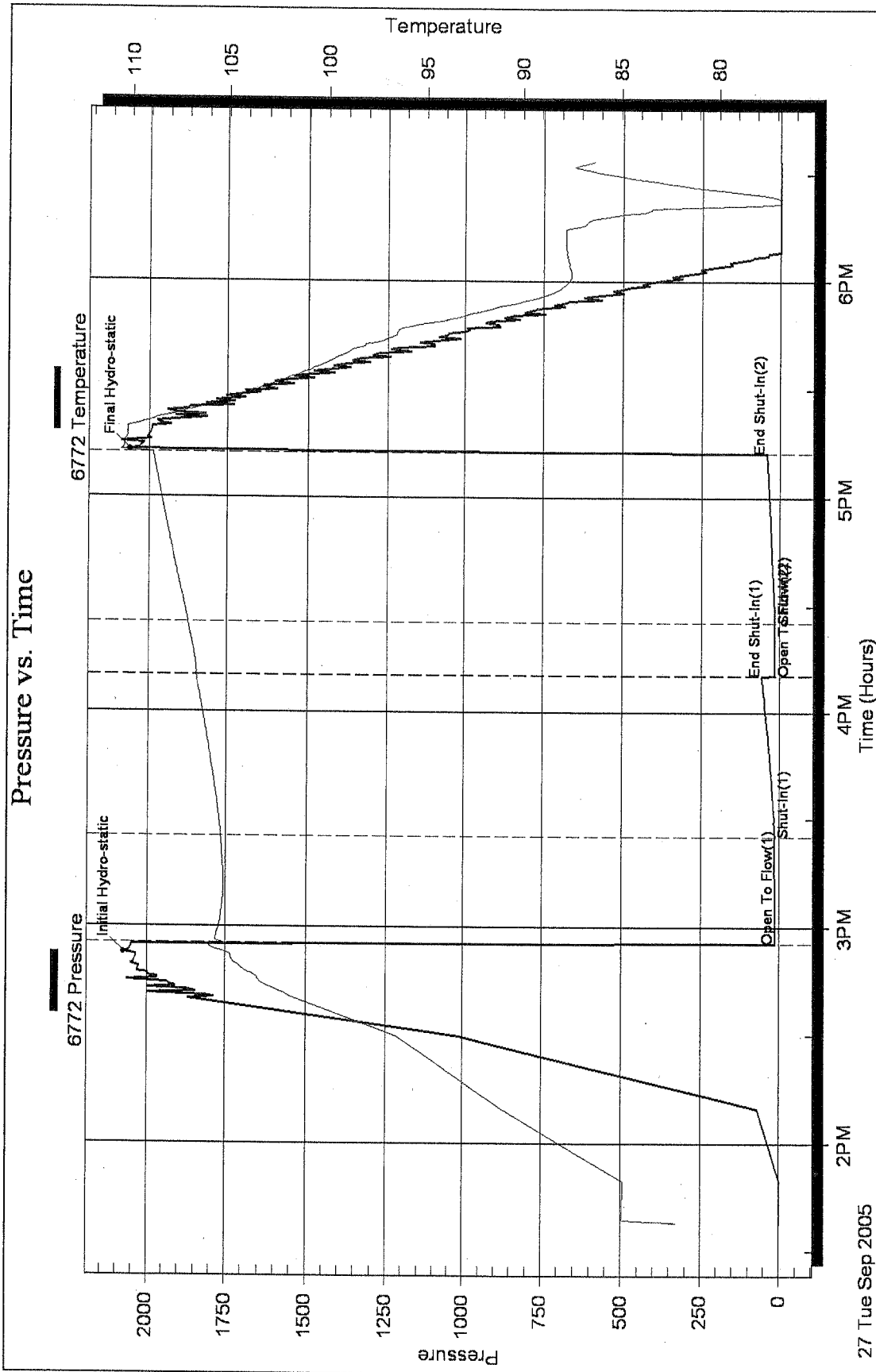
Num Gas Bombs: 0

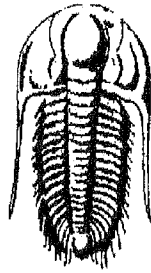
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Dane G. Hansen Trust**

P.O. Box 187
Logan, Ks 67646

ATTN: Dave Goldak

31-10s-32w Logan

Hecker #9

Start Date: 2005.09.28 @ 01:15:42

End Date: 2005.09.28 @ 07:18:51

Job Ticket #: 21375

DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Dane G. Hansen Trust

Hecker #9

31-10s-32w Logan

DST # 4

LKC 230

2005.09.28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dane G. Hansen Trust

P.O. Box 187
Logan, Ks 67646

ATTN: Dave Goldak

Hecker #9

31-10s-32w Logan

Job Ticket: 21375

DST#: 4

Test Start: 2005.09.28 @ 01:15:42

GENERAL INFORMATION:

Formation: **LKC 230**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:19:52

Time Test Ended: 07:18:51

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 18

Interval: **4256.00 ft (KB) To 4286.00 ft (KB) (TVD)**

Total Depth: 4286.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3082.00 ft (KB)

3072.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6772

Inside

Press@RunDepth: 19.98 psig @ 4257.00 ft (KB)

Start Date: 2005.09.28

End Date:

2005.09.28

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Start Time: 01:15:42

End Time:

07:18:51

Time On Btm: 2005.09.28 @ 03:16:07

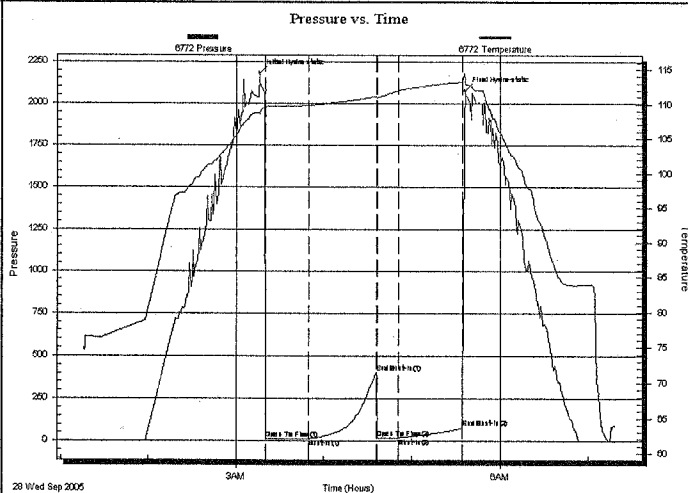
Time Off Btm: 2005.09.28 @ 05:36:21

TEST COMMENT: IF: Surface blow died in 6 min.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

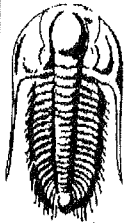
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2181.86	108.75	Initial Hydro-static
4	12.23	108.51	Open To Flow (1)
34	15.06	109.80	Shut-In(1)
80	403.03	111.07	End Shut-In(1)
81	17.40	110.95	Open To Flow (2)
95	19.98	111.95	Shut-In(2)
139	78.95	113.21	End Shut-In(2)
141	2078.78	113.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	ocm 5%o 95% m	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dane G. Hansen Trust

Hecker #9

P.O. Box 187
Logan, Ks 67646

31-10s-32w Logan

Job Ticket: 21375

DST#: 4

ATTN: Dave Goldak

Test Start: 2005.09.28 @ 01:15:42

Tool Information

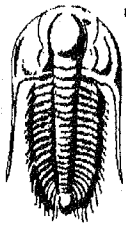
Drill Pipe: Length: 4209.00 ft Diameter: 3.80 inches Volume: 59.04 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl
Drill Collar: Length: 32.00 ft Diameter: 2.25 inches Volume: 0.16 bbl
Total Volume: 59.20 bbl
Drill Pipe Above KB: 7.00 ft
Depth to Top Packer: 4256.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 30.00 ft
Tool Length: 52.00 ft
Number of Packers: 2 Diameter: 6.75 inches

Tool Weight: 1500.00 lb
Weight set on Packer: 30000.00 lb
Weight to Pull Loose: 70000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 49000.00 lb
Final 49000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4235.00	
Shut In Tool	5.00			4240.00	
Hydraulic tool	5.00			4245.00	
Safety Joint	2.00			4247.00	
Packer	5.00		Fluid	4252.00	22.00 Bottom Of Top Packer
Packer	4.00			4256.00	
Stubb	1.00			4257.00	
Recorder	0.00	6772	Inside	4257.00	
Perforations	24.00			4281.00	
Recorder	0.00	7437	Inside	4281.00	
Bullnose	5.00			4286.00	30.00 Bottom Packers & Anchor

Total Tool Length: 52.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dane G. Hansen Trust

Hecker #9

P.O. Box 187
Logan, Ks 67646

31-10s-32w Logan

Job Ticket: 21375

DST#: 4

ATTN: Dave Goldak

Test Start: 2005.09.28 @ 01:15:42

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.56 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	ocm 5%o 95%m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

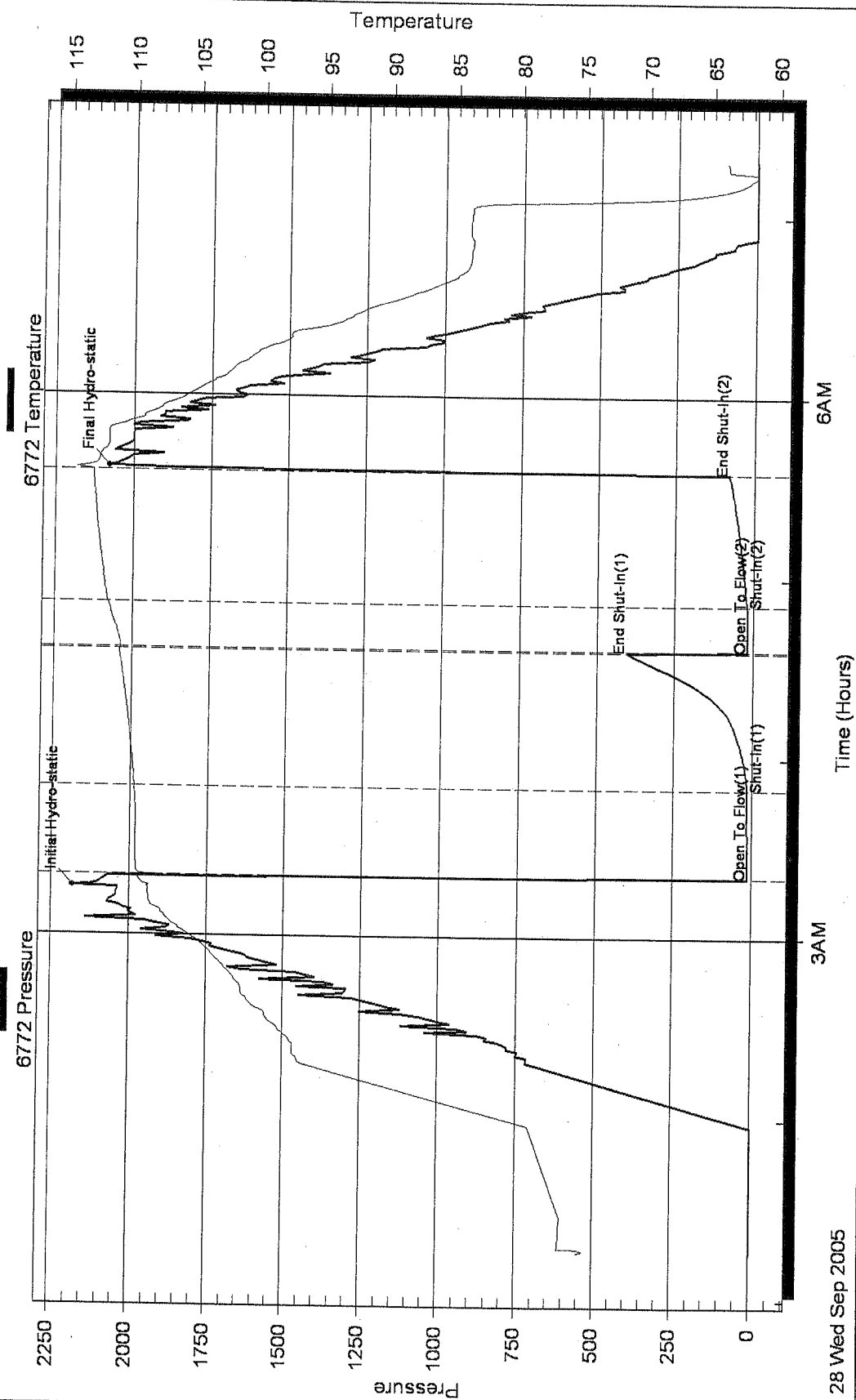
Serial #:

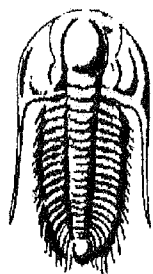
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Dane G. Hansen Trust**

P.O. Box 187
Logan, Ks 67646

ATTN: Dave Goldak

31-10s-32w Logan

Hecker #9

Start Date: 2005.09.28 @ 14:01:11

End Date: 2005.09.28 @ 21:31:05

Job Ticket #: 22551

DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Dane G. Hansen Trust

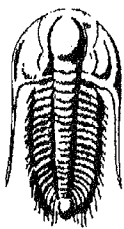
Hecker #9

31-10s-32w Logan

DST # 5

LKC260

2005.09.28



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Dane G. Hansen Trust

Hecker #9

P.O. Box 187
Logan, Ks 67646

31-10s-32w Logan

Job Ticket: 22551

DST#: 5

ATTN: Dave Goldak

Test Start: 2005.09.28 @ 14:01:11

GENERAL INFORMATION:

Formation: **LKC260**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:41:21

Time Test Ended: 21:31:05

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 18

Interval: 4287.00 ft (KB) To 4320.00 ft (KB) (TVD)

Total Depth: 4320.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3082.00 ft (KB)

3072.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6772

Inside

Press@RunDepth: 69.13 psig @ 4288.00 ft (KB)

Start Date: 2005.09.28

End Date:

2005.09.28

Start Time: 14:01:11

End Time:

21:31:05

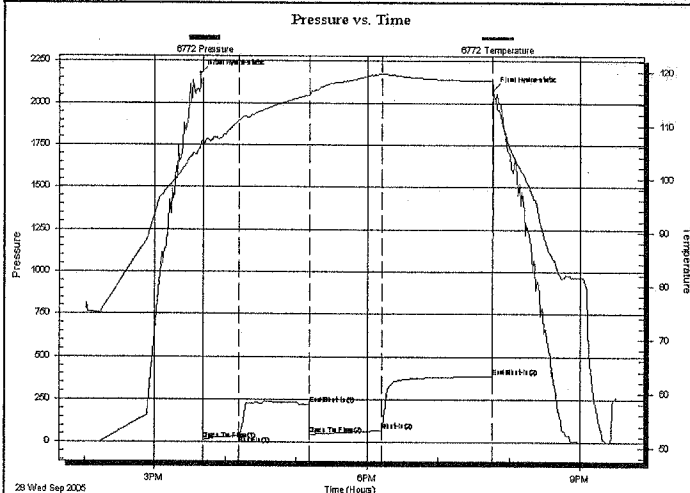
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2005.09.28 @ 15:39:06

Time Off Btm: 2005.09.28 @ 19:46:05

TEST COMMENT: IF: Surface blow built to 3.5 in 30 min.
IS: Surface blow built to 1/2 in 60 min.
FF: 1/4 blow built to 4.5 in 60 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2174.44	105.95	Initial Hydro-static
3	13.14	106.48	Open To Flow (1)
33	35.76	110.93	Shut-In(1)
92	220.63	115.73	End Shut-In(1)
92	46.59	115.65	Open To Flow (2)
153	69.13	119.75	Shut-In(2)
246	386.20	118.43	End Shut-In(2)
247	2076.49	116.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MCW 80%W 20%M	0.59
63.00	MCW oil spots 60%W 40%M	0.88

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dane G. Hansen Trust

Hecker #9

P.O. Box 187
Logan, Ks 67646

31-10s-32w Logan

Job Ticket: 22551

DST#: 5

ATTN: Dave Goldak

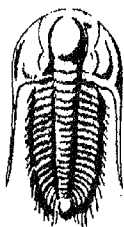
Test Start: 2005.09.28 @ 14:01:11

Tool Information

Drill Pipe:	Length: 4240.00 ft	Diameter: 3.80 inches	Volume: 59.48 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	59.64 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4287.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4266.00	
Shut In Tool	5.00			4271.00	
Hydraulic tool	5.00			4276.00	
Safety Joint	2.00			4278.00	
Packer	5.00		Fluid	4283.00	22.00 Bottom Of Top Packer
Packer	4.00			4287.00	
Stubb	1.00			4288.00	
Recorder	0.00	6772	Inside	4288.00	
Perforations	27.00			4315.00	
Recorder	0.00	7437	Inside	4315.00	
Bullnose	5.00			4320.00	33.00 Bottom Packers & Anchor

Total Tool Length: 55.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dane G. Hansen Trust

Hecker #9

P.O. Box 187
Logan, Ks 67646

31-10s-32w Logan

Job Ticket: 22551

DST#: 5

ATTN: Dave Goldak

Test Start: 2005.09.28 @ 14:01:11

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.15 in³

Resistivity: 0.00 ohm.m

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	MCW 80%W 20%M	0.592
63.00	MCWoil spots 60%W 40%M	0.884

Total Length: 126.00 ft

Total Volume: 1.476 bbl

Num Fluid Samples: 0

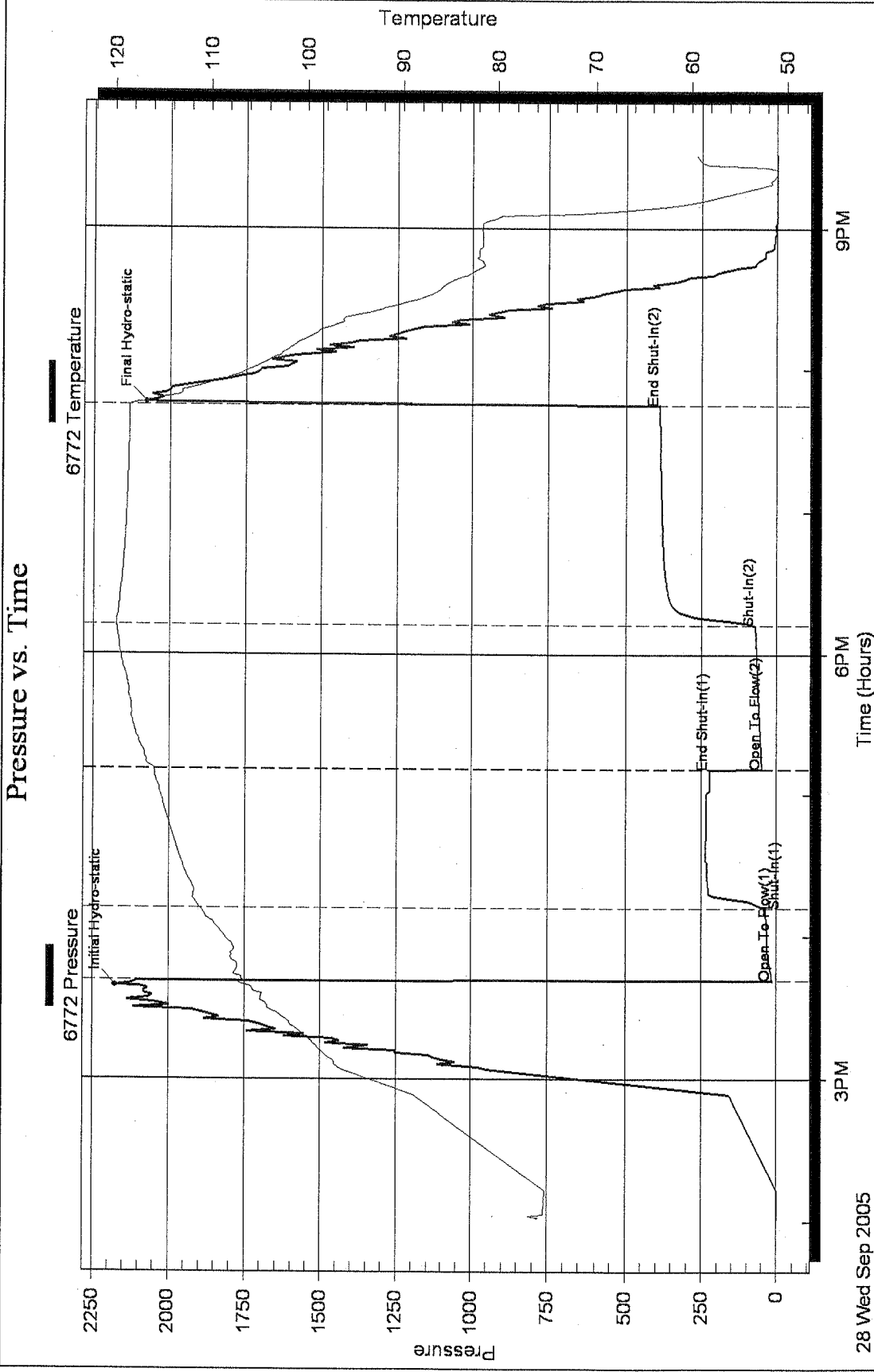
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

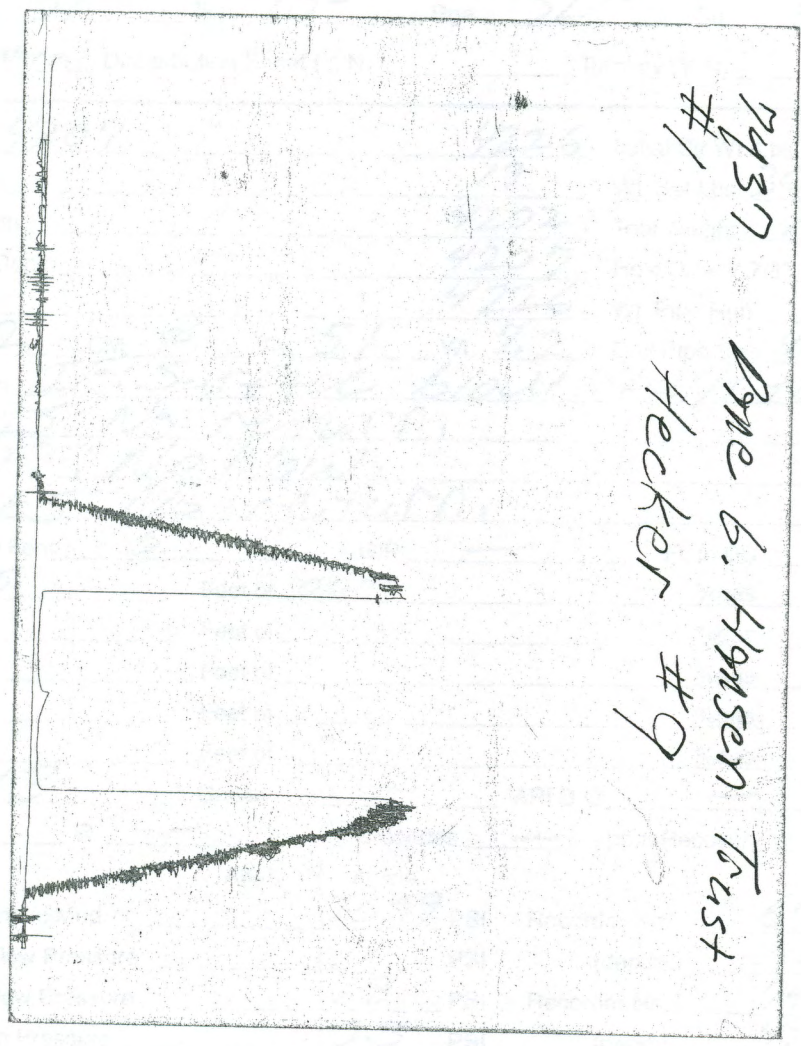
Recovery Comments:



TRILOBITE TESTING INC.

P.O. Box 100 • Kansas City, Mo. 64101

Test Ticket

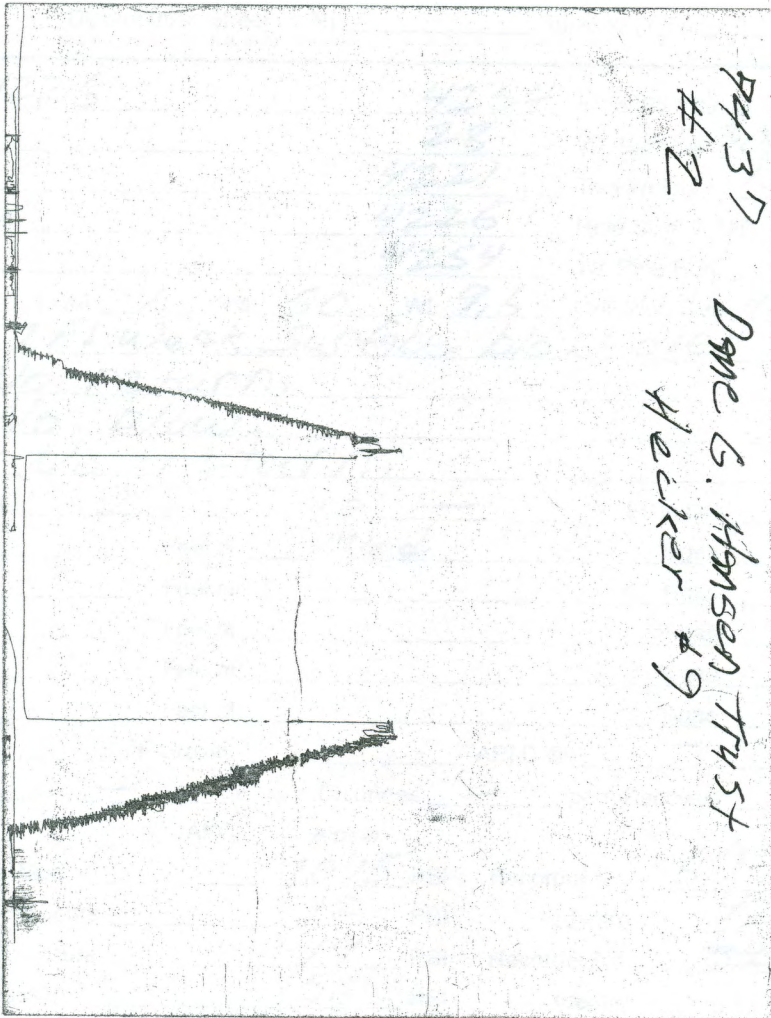


This is a photocopy of the actual AK-1 recorder chart.

CHART PAGE

Item #	100.00
Qty	30.00
Unit Price	11/4
Sample	
Strain	
Est. Price	
Share Price	
Raised Price	
Major	104.00
Sub Total	125.00
Sold By	
Other	
Total	

Test Ticket

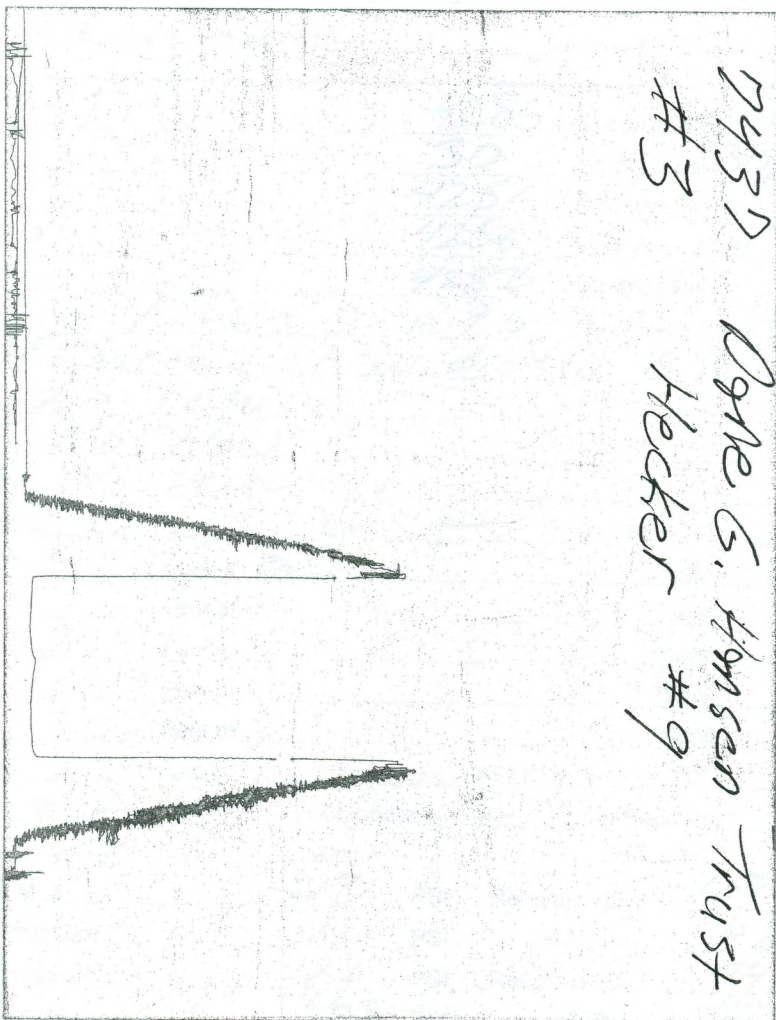


This is a photocopy of the actual AK-1 recorder chart.

CHART PAGE

Date _____
 City _____
 State _____
 Est. No. _____
 Sub. No. _____
 Mileage _____
 Sub Total _____
 Paid By _____
 Other _____
 Total _____

CHART PAGE
This is a photocopy of the actual AK-1 recorder chart.



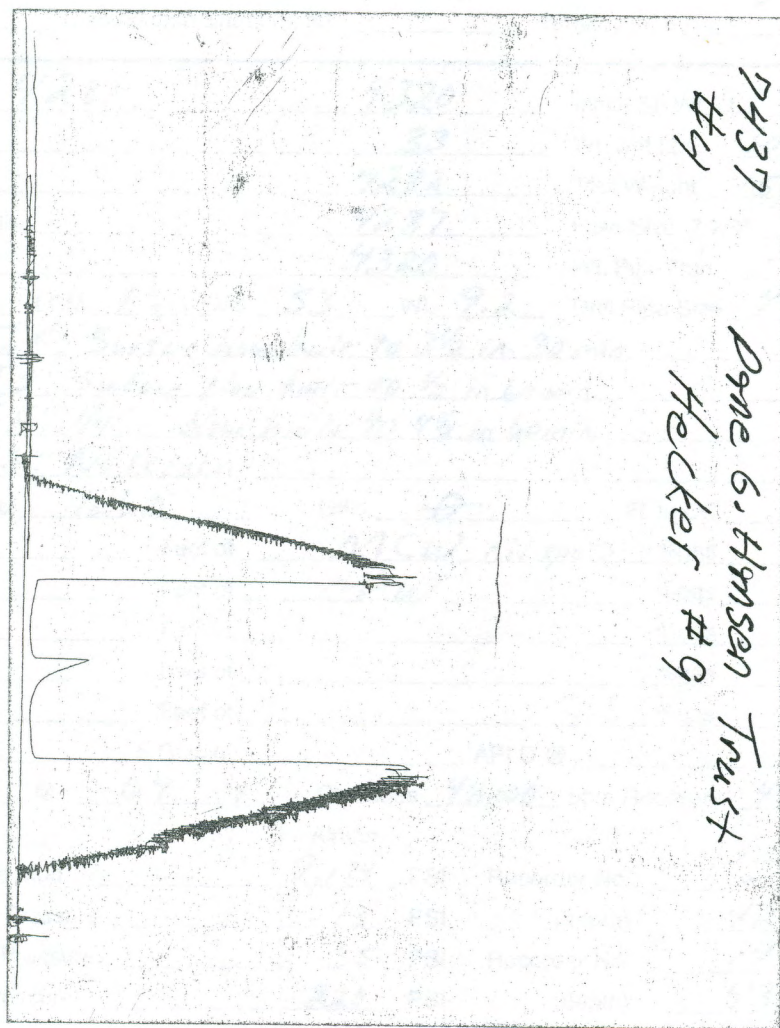


CHART PAGE
This is a photocopy of the actual AK-1 recorder chart.

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

