

DRILL STEM TEST REPORT

Prepared For: **R L Investment LLC**

217 Saint Peter St
Morland KS 67650

ATTN: Leon Pfeifer

31 10 24 Graham KS

Pfeifer # 1

Start Date: 2007.04.30 @ 09:58:18

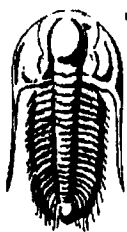
End Date: 2007.04.30 @ 19:30:18

Job Ticket #: 28105 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

R L Investment LLC

217 Saint Peter St
Morland KS 67650

ATTN: Leon Pfeifer

Pfeifer # 1

31 10 24 Graham KS

Job Ticket: 28105

DST#: 1

Test Start: 2007.04.30 @ 09:58:18

GENERAL INFORMATION:

Formation: **B LKC**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 11:55:28

Time Test Ended: 19:30:18

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3799.00 ft (KB) To 3824.00 ft (KB) (TVD)**

Total Depth: **3824.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2443.00 ft (KB)**

2437.00 ft (CF)

KB to GR/CF: **6.00 ft**

Serial #: 6741 Inside

Press@RunDepth: **722.32 psig @ 3800.00 ft (KB)**

Start Date: **2007.04.30**

End Date:

2007.04.30

Start Time: **09:58:20**

End Time:

19:30:18

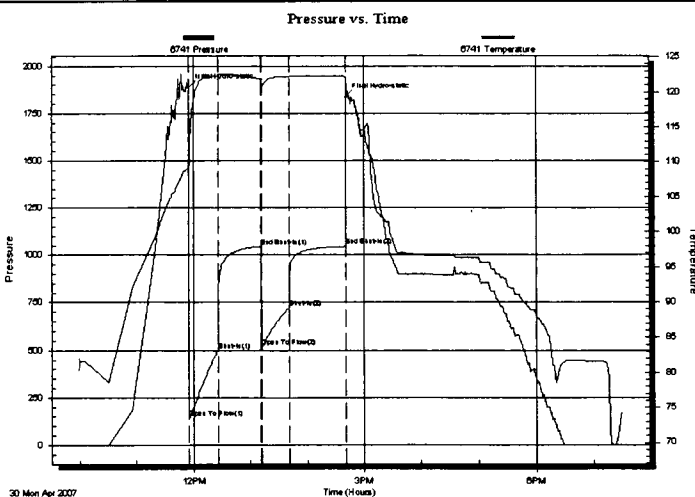
Capacity: **7000.00 psig**

Last Calib.: **2007.04.30**

Time On Btm: **2007.04.30 @ 11:55:08**

Time Off Btm: **2007.04.30 @ 14:41:03**

TEST COMMENT: IF Strong B-B in 1 min
ISI Strong B-B in 7 min
FF Strong B-B in 3 min GTS in 25 min TSTM
FSI Strong B-B in 8 min



PRESSURE SUMMARY

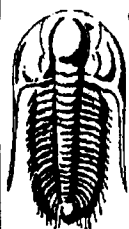
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1887.75	109.06	Initial Hydro-static
1	144.85	108.82	Open To Flow (1)
31	499.62	122.28	Shut-In (1)
77	1044.80	121.75	End Shut-In (1)
77	518.52	120.88	Open To Flow (2)
106	722.32	122.09	Shut-In (2)
166	1045.16	122.20	End Shut-In (2)
166	1834.86	121.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
122.00	Wtr	0.60
1678.00	CGsyO 30%G 70%O	23.54

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

R.L. Investment LLC

Pfeifer # 1

217 Saint Peter St
Morland KS 67650

31 10 24 Graham KS

Job Ticket: 28105

DST#: 1

ATTN: Leon Pfeifer

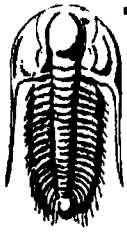
Test Start: 2007.04.30 @ 09:58:18

Tool Information

Drill Pipe:	Length: 3665.00 ft	Diameter: 3.80 inches	Volume: 51.41 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	65000.00 lb
			Total Volume: 52.01 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	3799.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	46.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3779.00	
Shut In Tool	5.00			3784.00	
Hydraulic tool	5.00			3789.00	
Packer	5.00			3794.00	21.00 Bottom Of Top Packer
Packer	5.00			3799.00	
Stubb	1.00			3800.00	
Recorder	0.00	6741	Inside	3800.00	
Perforations	21.00			3821.00	
Recorder	0.00	13254	Outside	3821.00	
Bullnose	3.00			3824.00	25.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R.L. Investment LLC

Pfeifer # 1

217 Saint Peter St
Morland KS 67650

31 10 24 Graham KS

Job Ticket: 28105

DST#: 1

ATTN: Leon Pfeifer

Test Start: 2007.04.30 @ 09:58:18

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

86000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	Wtr	0.600
1678.00	CGsyO 30%G 70%O	23.538

Total Length: 1800.00 ft

Total Volume:

24.138 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

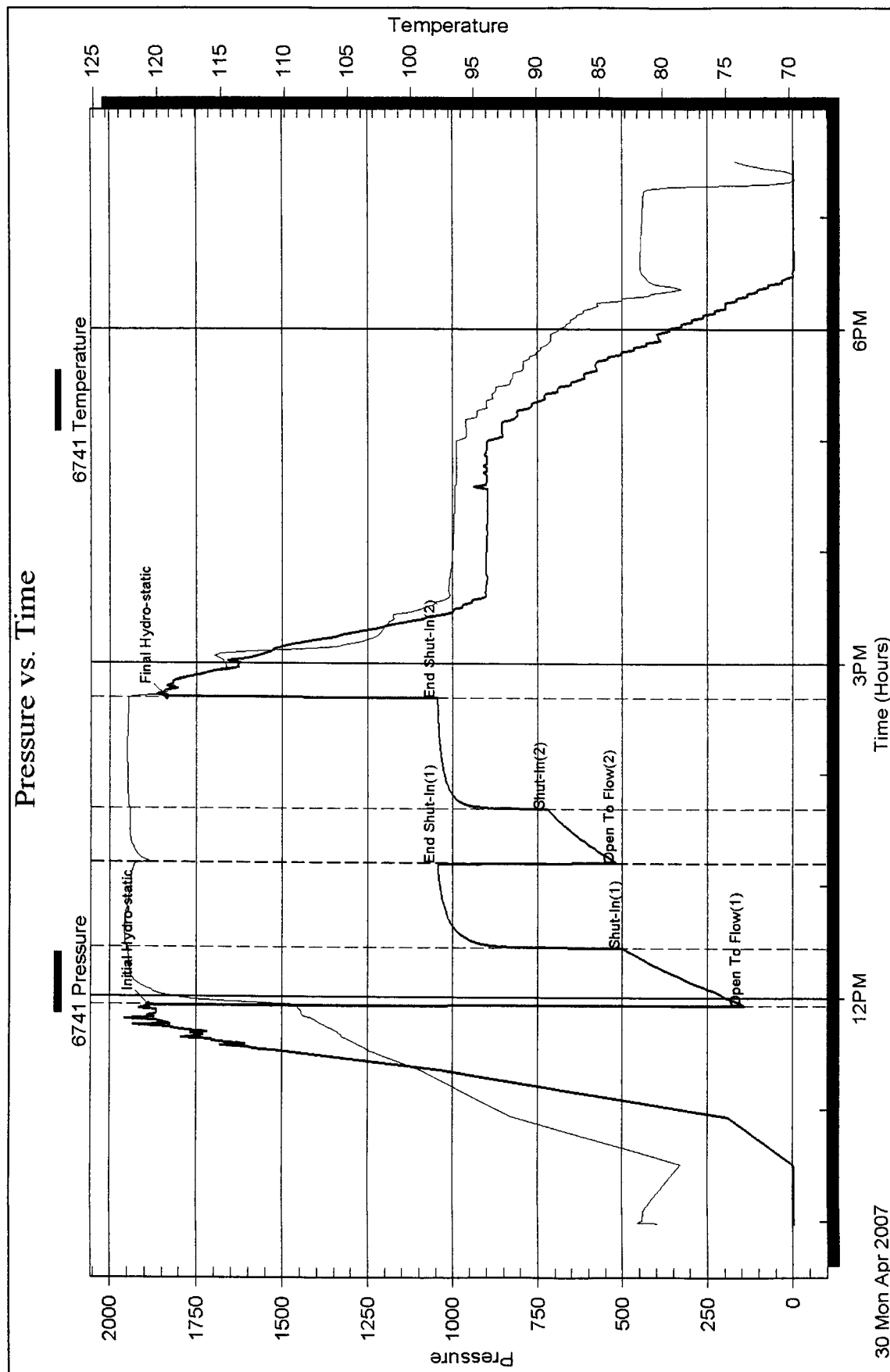
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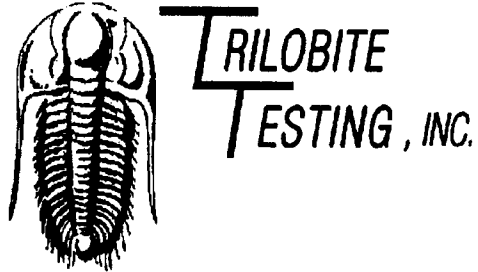
Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .23 @ 80 = 86000ppm

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **R L Investment LLC**

217 Saint Peter St
Morland KS 67650

ATTN: Leon Pfeifer

31 10 24 Graham KS

Pfeifer # 1

Start Date: 2007.05.01 @ 06:53:28

End Date: 2007.05.01 @ 14:59:13

Job Ticket #: 28106 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

R L Investment LLC

217 Saint Peter St
Morland KS 67650

ATTN: Leon Pfeifer

Pfeifer # 1

31 10 24 Graham KS

Job Ticket: 28106

DST#: 2

Test Start: 2007.05.01 @ 06:53:28

GENERAL INFORMATION:

Formation: C-E-F L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:57:38

Time Test Ended: 14:59:13

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: 3820.00 ft (KB) To 3874.00 ft (KB) (TVD)

Total Depth: 3874.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2443.00 ft (KB)

2437.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6741

Inside

Press@RunDepth: 499.50 psig @ 3823.00 ft (KB)

Start Date: 2007.05.01

End Date:

2007.05.01

Start Time: 06:53:30

End Time:

14:59:13

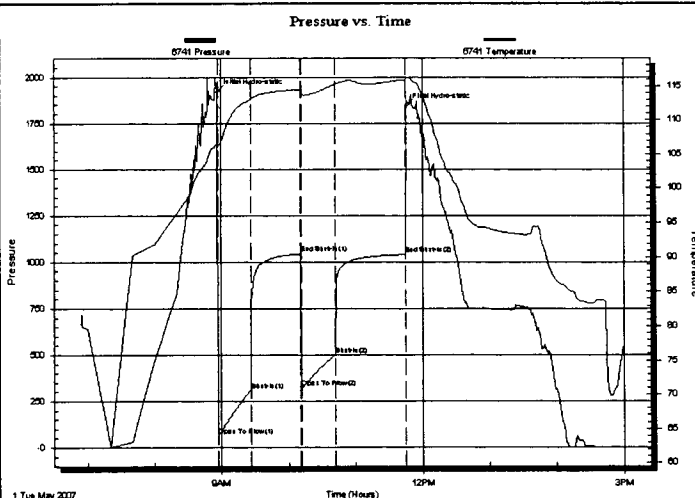
Capacity: 7000.00 psig

Last Calib.: 2007.05.01

Time On Btm: 2007.05.01 @ 08:57:18

Time Off Btm: 2007.05.01 @ 11:44:43

TEST COMMENT: IF Strong B-B in 1 min
ISI Strong B-B in 15 min
FF Strong B-B in 3 min
FSI Weak building to 6 "



PRESSURE SUMMARY

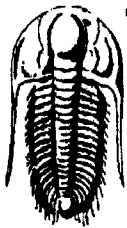
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1917.17	106.50	Initial Hydro-static
1	62.24	106.16	Open To Flow (1)
30	309.16	112.99	Shut-In (1)
74	1043.57	114.32	End Shut-In (1)
75	324.17	114.06	Open To Flow (2)
104	499.50	115.16	Shut-In (2)
167	1039.97	115.81	End Shut-In (2)
168	1839.34	116.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Wtr	0.15
1520.00	CGsyO 30%G 70%O	20.48
0.00	1550 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

R L Investment LLC

217 Saint Peter St
Morland KS 67650

ATTN: Leon Pfeifer

Pfeifer # 1

31 10 24 Graham KS

Job Ticket: 28106

DST#: 2

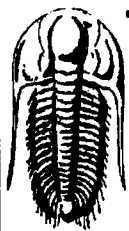
Test Start: 2007.05.01 @ 06:53:28

Tool Information

Drill Pipe:	Length: 3696.00 ft	Diameter: 3.80 inches	Volume: 51.85 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 52.45 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	3820.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	54.00 ft				
Tool Length:	75.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3800.00	
Shut In Tool	5.00			3805.00	
Hydraulic tool	5.00			3810.00	
Packer	5.00			3815.00	21.00 Bottom Of Top Packer
Packer	5.00			3820.00	
Stubb	1.00			3821.00	
Perforations	1.00			3822.00	
Change Over Sub	1.00			3823.00	
Recorder	0.00	6741	Inside	3823.00	
Drill Pipe	31.00			3854.00	
Change Over Sub	1.00			3855.00	
Recorder	0.00	13254	Outside	3855.00	
Perforations	16.00			3871.00	
Bullnose	3.00			3874.00	54.00 Bottom Packers & Anchor

Total Tool Length: 75.00



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

RL Investment LLC

Pfeifer # 1

217 Saint Peter St
Morland KS 67650

31 10 24 Graham KS

Job Ticket: 28106

DST#: 2

ATTN: Leon Pfeifer

Test Start: 2007.05.01 @ 06:53:28

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

86000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.15 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Wtr	0.148
1520.00	CGsyO 30%G 70%O	20.484
0.00	1550 GIP	0.000

Total Length: 1550.00 ft Total Volume: 20.632 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

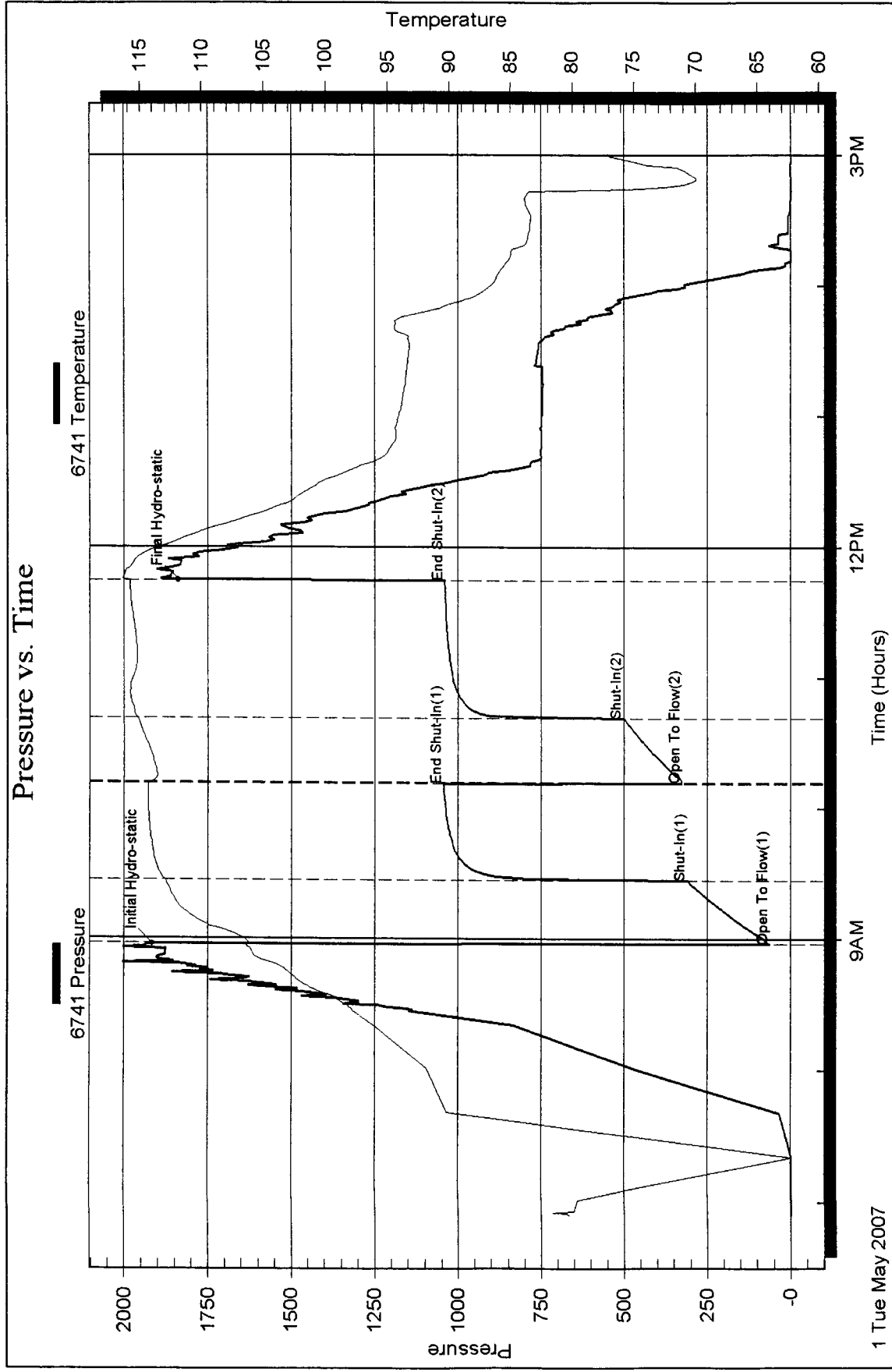
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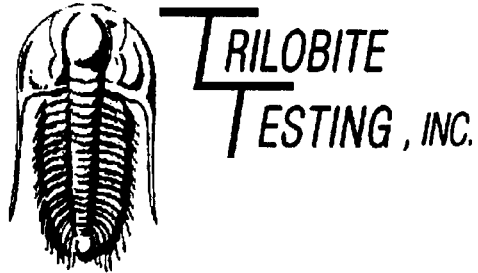
Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .23 @ 80 = 86000ppm

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **R L Investment LLC**

217 Saint Peter St
Morland KS 67650

ATTN: Leon Pfeifer

31 10 24 Graham KS

Pfeifer # 1

Start Date: 2007.05.02 @ 01:08:07

End Date: 2007.05.02 @ 08:54:22

Job Ticket #: 28107 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

R L Investment LLC

217 Saint Peter St
Morland KS 67650

ATTN: Leon Pfeifer

Pfeifer # 1

31 10 24 Graham KS

Job Ticket: 28107

DST#: 3

Test Start: 2007.05.02 @ 01:08:07

GENERAL INFORMATION:

Formation: **H LKC**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 03:47:37

Time Test Ended: 08:54:22

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **38**

Interval: 3905.00 ft (KB) To 3940.00 ft (KB) (TVD)

Total Depth: 3940.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: **Good**

Reference Elevations: **2443.00 ft (KB)**

2437.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6741

Inside

Press@RunDepth: **137.96 psig @ 3906.00 ft (KB)**

Start Date: **2007.05.02**

End Date:

2007.05.02

Capacity: **7000.00 psig**

Last Calib.: **2007.05.02**

Start Time: **01:08:09**

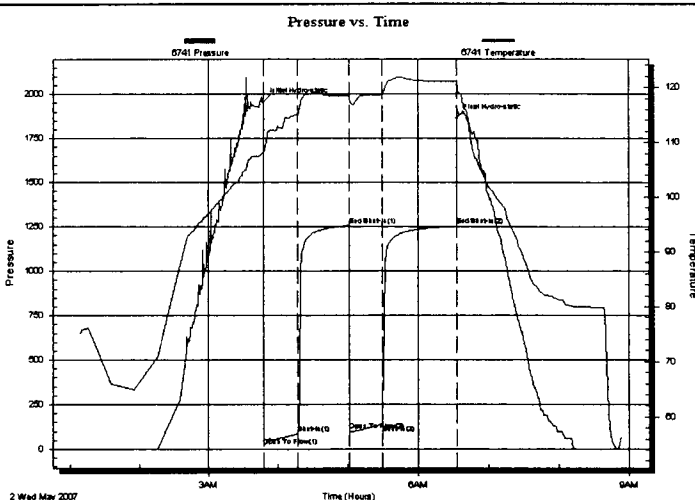
End Time:

08:54:22

Time On Btm: **2007.05.02 @ 03:47:22**

Time Off Btm: **2007.05.02 @ 06:33:07**

TEST COMMENT: IF Strong B-B in 15 min
ISI Weak building to 2 "
FF Strong B-B in 14 min
FSI



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1955.63	108.03	Initial Hydro-static
1	17.59	107.64	Open To Flow(1)
30	86.28	115.14	Shut-In(1)
74	1256.01	118.39	End Shut-In(1)
75	101.17	118.06	Open To Flow(2)
102	137.96	118.71	Shut-In(2)
166	1253.47	121.01	End Shut-In(2)
166	1863.80	121.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	MCO 80%O 20%M	1.50
248.00	CGsyO 20%G 80%O	3.48
0.00	806 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

R L Investment LLC

217 Saint Peter St
Morland KS 67650

ATTN: Leon Pfeifer

Pfeifer # 1

31 10 24 Graham KS

Job Ticket: 28107

DST#: 3

Test Start: 2007.05.02 @ 01:08:07

Tool Information

Drill Pipe:	Length: 3790.00 ft	Diameter: 3.80 inches	Volume: 53.16 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 53.76 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	3905.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3885.00	
Shut In Tool	5.00			3890.00	
Hydraulic tool	5.00			3895.00	
Packer	5.00			3900.00	21.00 Bottom Of Top Packer
Packer	5.00			3905.00	
Stubb	1.00			3906.00	
Recorder	0.00	6741	Inside	3906.00	
Perforations	31.00			3937.00	
Recorder	0.00	13254	Outside	3937.00	
Bullnose	3.00			3940.00	35.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

R L Investment LLC

Pfeifer # 1

217 Saint Peter St
Morland KS 67650

31 10 24 Graham KS

Job Ticket: 28107

DST#: 3

ATTN: Leon Pfeifer

Test Start: 2007.05.02 @ 01:08:07

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	MCO 80%O 20%M	1.498
248.00	CGsyO 20%G 80%O	3.479
0.00	806 GIP	0.000

Total Length: 434.00 ft

Total Volume: 4.977 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

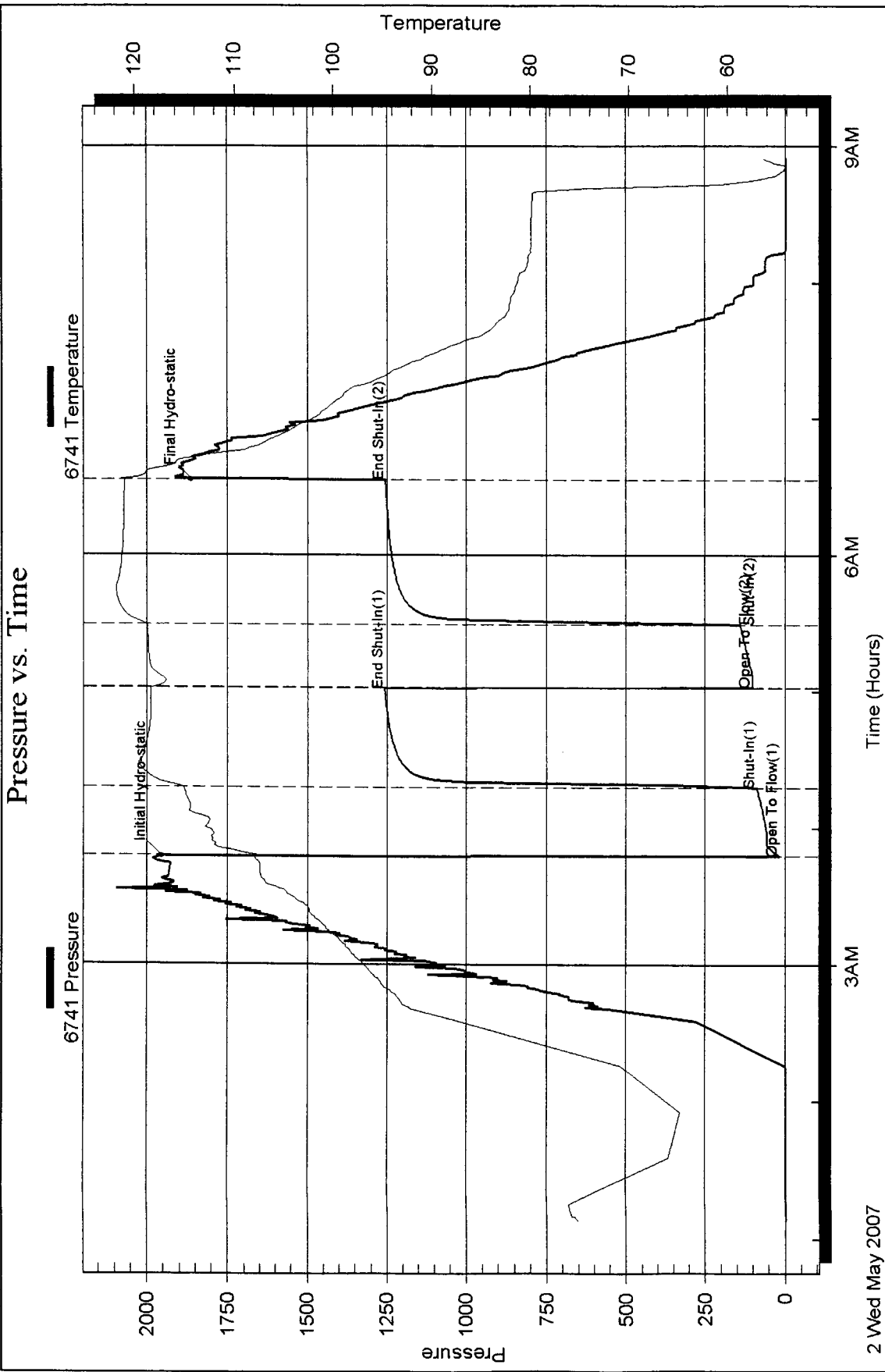
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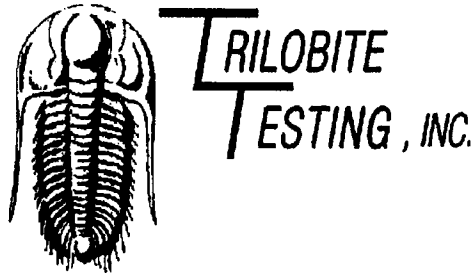
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **R L Investment LLC**

217 Saint Peter St
Morland KS 67650

ATTN: Leon Pfeifer

31 10 24 Graham KS

Pfeifer # 1

Start Date: 2007.05.03 @ 22:06:00

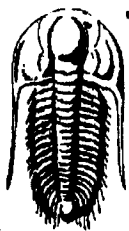
End Date: 2007.05.04 @ 06:19:09

Job Ticket #: 27670 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

R L Investment LLC

217 Saint Peter St
Morland KS 67650

ATTN: Leon Pfeifer

Pfeifer # 1

31 10 24 Graham KS

Job Ticket: 27670

DST#: 4

Test Start: 2007.05.03 @ 22:06:00

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 00:10:10

Time Test Ended: 06:19:09

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Domsch**

Unit No: **25**

Interval: **4199.00 ft (KB) To 4243.00 ft (KB) (TVD)**

Total Depth: **4243.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2443.00 ft (KB)**

2437.00 ft (CF)

KB to GR/CF: **6.00 ft**

Serial #: 6755 **Inside**

Press@RunDepth: **69.29 psig @ 4200.00 ft (KB)**

Start Date: **2007.05.03**

End Date:

2007.05.04

Start Time: **22:06:00**

End Time:

06:19:09

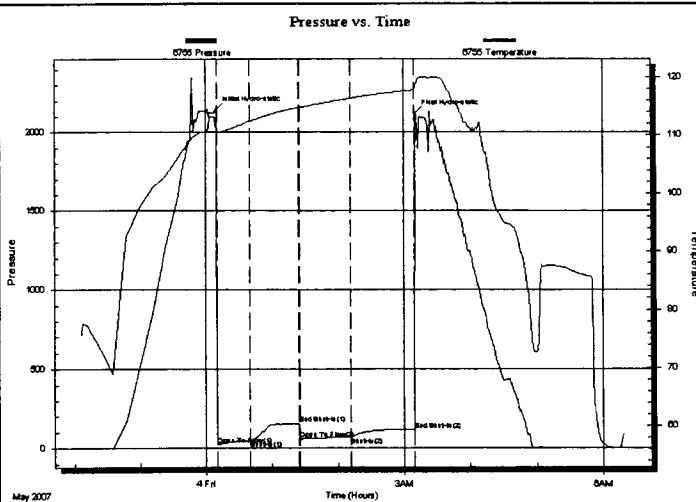
Capacity: **7000.00 psig**

Last Calib.: **2007.05.04**

Time On Btm: **2007.05.04 @ 00:09:40**

Time Off Btm: **2007.05.04 @ 03:10:25**

TEST COMMENT: IF Built to 3 1/4 inches.
IS Built to 1/2 inch.
FF Built to 3 inches.
FS Surface blow died in 47 mins.



PRESSURE SUMMARY

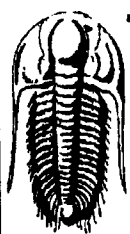
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.47	111.26	Initial Hydro-static
1	17.64	110.78	Open To Flow (1)
31	47.42	112.44	Shut-In (1)
75	152.90	114.84	End Shut-In (1)
76	55.36	114.81	Open To Flow (2)
122	69.29	116.42	Shut-In (2)
181	113.67	117.85	End Shut-In (2)
181	2120.35	118.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM 20%O 80%M	0.15
60.00	HMC 55%O 45%M	0.30
30.00	MCO 85%O 15%M	0.15
10.00	O 100%O	0.12
	GIP 50	

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

R.L. Investment LLC

217 Saint Peter St
Morland KS 67650

ATTN: Leon Pfeifer

Pfeifer # 1

31 10 24 Graham KS

Job Ticket: 27670

DST#:4

Test Start: 2007.05.03 @ 22:06:00

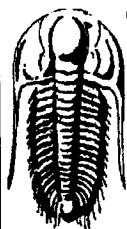
Tool Information

Drill Pipe:	Length: 4069.00 ft	Diameter: 3.80 inches	Volume: 57.08 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:	25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	105000.0 lb
		Total Volume:	57.68 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4199.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	44.00 ft				
Tool Length:	64.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4180.00	
Shut In Tool	5.00			4185.00	
Hydraulic tool	5.00			4190.00	
Packer	5.00			4195.00	20.00 Bottom Of Top Packer
Packer	4.00			4199.00	
Stubb	1.00			4200.00	
Recorder	0.00	6755	Inside	4200.00	
Perforations	5.00			4205.00	
Change Over Sub	1.00			4206.00	
Drill Pipe	31.00			4237.00	
Change Over Sub	1.00			4238.00	
Recorder	0.00	2607	Outside	4238.00	
Bullnose	5.00			4243.00	44.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R L Investment LLC

Pfeifer # 1

217 Saint Peter St
Morland KS 67650

31 10 24 Graham KS

Job Ticket: 27670

DST#: 4

ATTN: Leon Pfeifer

Test Start: 2007.05.03 @ 22:06:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OCM 20%O 80%M	0.148
60.00	HIMCO 55%O 45%M	0.295
30.00	MCO 85%O 15%M	0.148
10.00	O 100%O	0.122
	GIP 50	

Total Length: -999869.00 ft

Total Volume: 0.713 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

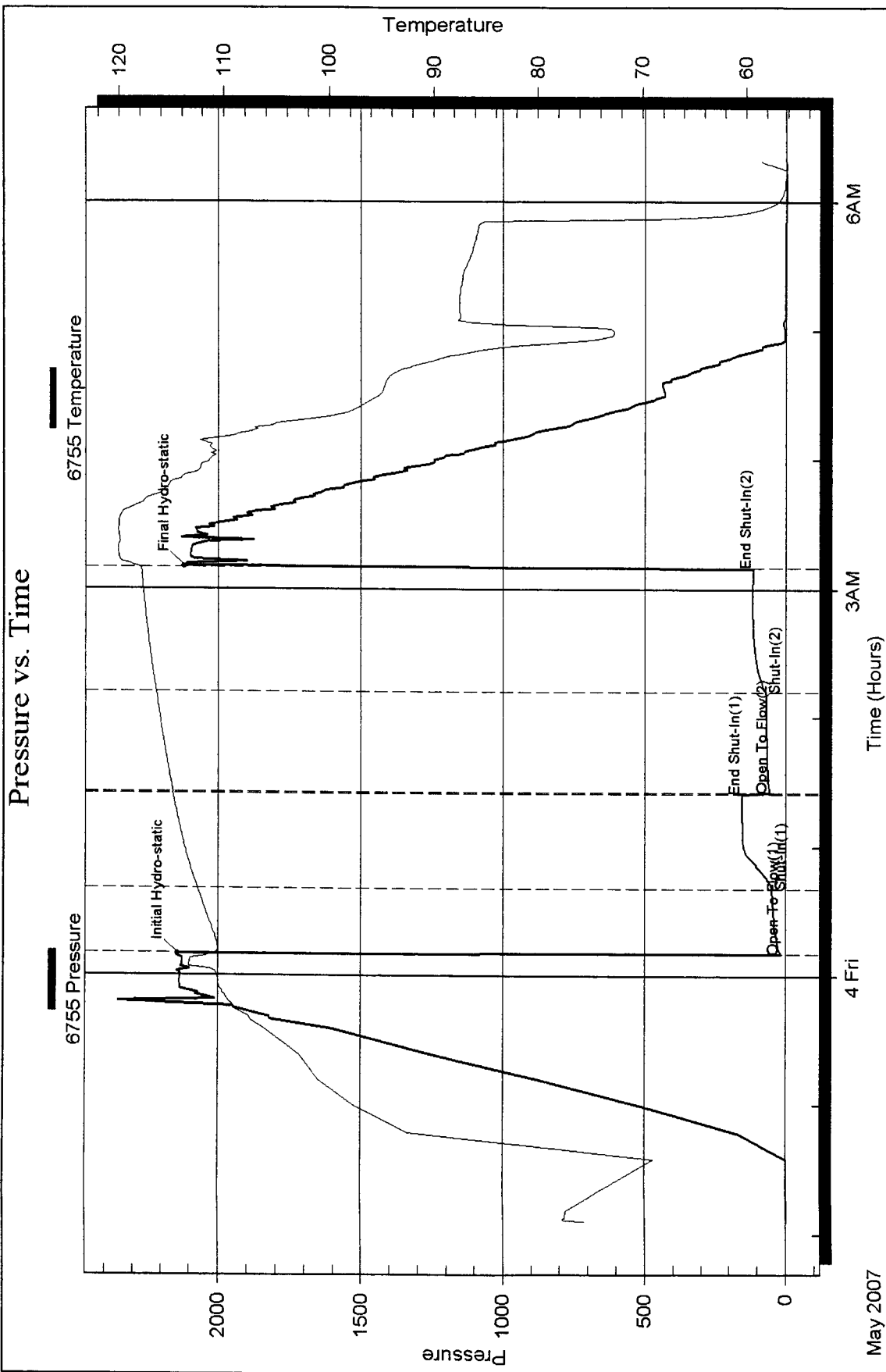
Serial #:

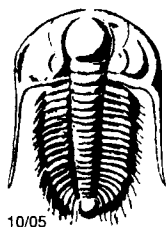
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28105

10/38

Test Ticket

Well Name & No. Pfeifer #1 Test No. 1 Date 4-30-07
 Company RL Investment LLC Zone Tested B LKC
 Address 217 Saint Peter St. Marland, Ks. 67650 Elevation 2443 KB 2438 GL
 Co. Rep / Geo. Pat Deenihan Rig WW #8
 Location: Sec. 31 Twp. 10 Rge. 24 Co. Graham State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3799 ————— 3824 Initial Str Wt./Lbs. 52,000 Unseated Str Wt./Lbs. 62,000
 Anchor Length 25 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 3794 Tool Weight 2000
 Bottom Packer Depth 3799 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3824 Wt. Pipe Run _____ Drill Collar Run 122
 Mud Wt. 9.4 LCM _____ Vis. 4.3 WL 9.2 Drill Pipe Size 4.5 XH Ft. Run 3665
 Blow Description I.F. Strong B-B in 1 min.
ISI - Strong B-B in 7 min.
E.F. Strong B-B in 3 min GTS in 2.5 min (TSTN)
ESI - Strong B-B in 8 min.
 Recovery - Total Feet 1800 GIP GTS Ft. in DC 122 Ft. in DP 1678
 Rec. 1678 Feet of CLSYO 30 %gas 70 %oil _____ %water _____ %mud
 Rec. 122 Feet of WTC _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 122 °F Gravity _____ °API D @ _____ °F Corrected Gravity 40 °API
 RW .23 @ 80 °F Chlorides 86,000 ppm Recovery _____ Chlorides 4000 ppm System

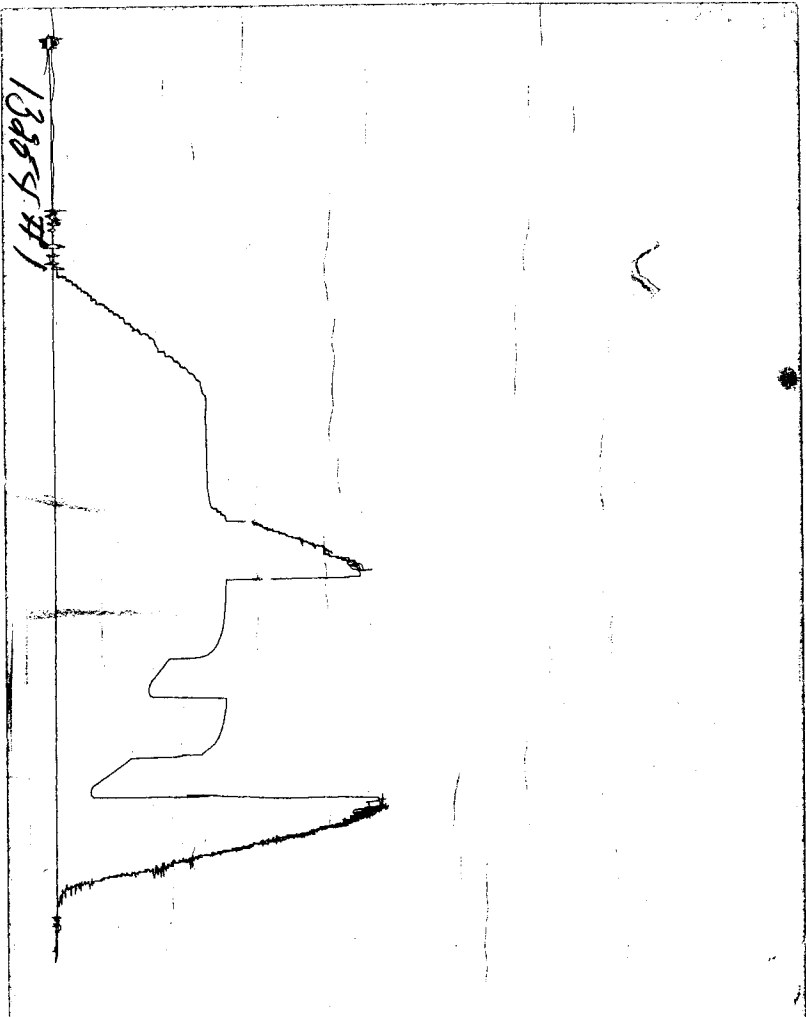
	AK-1	Alpine			
(A) Initial Hydrostatic Mud		<u>1971</u> PSI	Recorder No.	<u>6741</u>	Test <u>1100</u>
(B) First Initial Flow Pressure		<u>144</u> PSI	(depth)	<u>3800</u>	Jars _____
(C) First Final Flow Pressure		<u>499</u> PSI	Recorder No.	<u>13254</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>1044</u> PSI	(depth)	<u>3821</u>	Circ Sub <u>X</u> <u>50</u>
(E) Second Initial Flow Pressure		<u>518</u> PSI	Recorder No.		Sampler _____
(F) Second Final Flow Pressure		<u>722</u> PSI	(depth)		Straddle _____
(G) Final Shut-In Pressure		<u>1045</u> PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1864</u> PSI	Initial Shut-In	<u>45</u>	Shale Packer _____
			Final Flow	<u>30</u>	Ruined Packer _____
			Final Shut-In	<u>60</u>	Mileage <u>114 RT</u> <u>142.50</u>
			T-On Location	<u>09:00</u>	Sub Total: _____
			T-Started	<u>09:58</u>	Std. By <u>1.5</u> <u>150</u>
			T-Open	<u>11:55</u>	Acc. Chg: _____
			T-Pulled	<u>14:40</u>	Other: _____
			T-Out	<u>19:30</u>	Total: <u>1442.50</u>

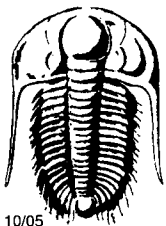
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Approved By Pat Deenihan
 Our Representative Dan Bangle

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28106

10/05

Test Ticket

Well Name & No.	<u>Pfeifer #1</u>	Test No.	<u>2</u>	Date	<u>5-1-07</u>
Company	<u>R.L. Investments LLC</u>	Zone Tested	<u>C-F-F</u>	<u>LKC</u>	
Address		Elevation	<u>244.3</u>	KB	<u>2438</u> GL
Co. Rep / Geo.	<u>Pat Deenihan</u>	Rig	<u>WW #8</u>		
Location: Sec.	<u>31</u>	Twp.	<u>10</u>	Rge.	<u>24</u>
		Co.	<u>Graham</u>	State	<u>KS</u>
Comment:	Release date / time:				

Interval Tested	<u>3820</u>	<u>3874</u>	Initial Str Wt./Lbs.	<u>62,000</u>	Unseated Str Wt./Lbs.	<u>62,000</u>	
Anchor Length	<u>54</u>		Wt. Set Lbs.	<u>29,000</u>	Wt. Pulled Loose/Lbs.	<u>79,000</u>	
Top Packer Depth	<u>3815</u>		Tool Weight	<u>2,000</u>			
Bottom Packer Depth	<u>3820</u>		Hole Size	<u>7 7/8"</u>	Rubber Size	<u>6 3/4"</u>	
Total Depth	<u>3874</u>		Wt. Pipe Run		Drill Collar Run	<u>122</u>	
Mud Wt.	<u>9.2</u>	LCM		Drill Pipe Size	<u>4.5 XH</u>	Ft. Run	<u>3696</u>
Vis.	<u>44</u>	WL					
Blow Description	<u>I.F. Strong B-B in 1 min.</u>						
	<u>ISI - Strong B-B in 15 min.</u>						
	<u>F.F. Strong B-B in 3 min</u>						
	<u>EST - Weak - building to 6"</u>						
Recovery - Total Feet	<u>1550</u>	GIP	<u>1550</u>	Ft. in DC	<u>122</u>	Ft. in DP	<u>1428</u>
Rec.	<u>1520</u>	Feet of	<u>CGS/10</u>	<u>30</u>	%gas	<u>70</u>	%oil
					%water		%mud
Rec.	<u>30</u>	Feet of	<u>WTR</u>		%gas		%oil
					%water		%mud
Rec.		Feet of			%gas		%oil
					%water		%mud
Rec.		Feet of			%gas		%oil
					%water		%mud
BHT	<u>115</u>	°F Gravity		°API D @		°F Corrected Gravity	<u>40</u>
							°API
RW	<u>.23</u>	@	<u>80</u>	°F	Chlorides	<u>86,000</u>	ppm Recovery
					Chlorides		ppm System

(A) Initial Hydrostatic Mud	<u>2501</u>	PSI	Recorder No.	<u>6741</u>	Test	<u>1100</u>
(B) First Initial Flow Pressure	<u>3296</u>	PSI	(depth)	<u>3823</u>	Jars	
(C) First Final Flow Pressure	<u>309</u>	PSI	Recorder No.	<u>13254</u>	Safety Jt.	
(D) Initial Shut-In Pressure	<u>1043</u>	PSI	(depth)	<u>3855</u>	Circ Sub	<u>X</u>
(E) Second Initial Flow Pressure	<u>324</u>	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure	<u>499</u>	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure	<u>1039</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer	
(Q) Final Hydrostatic Mud	<u>1890</u>	PSI	Initial Shut-In	<u>45</u>	Shale Packer	
			Final Flow	<u>30</u>	Ruined Packer	
			Final Shut-In	<u>60</u>	Mileage	<u>114 RT 142.50</u>
			T-On Location	<u>06:15</u>	Sub Total:	
			T-Started	<u>06:53</u>	Std. By	
			T-Open	<u>08:55</u>	Acc. Chg:	
			T-Pulled	<u>11:40</u>	Other:	
			T-Out	<u>14:59</u>	Total:	

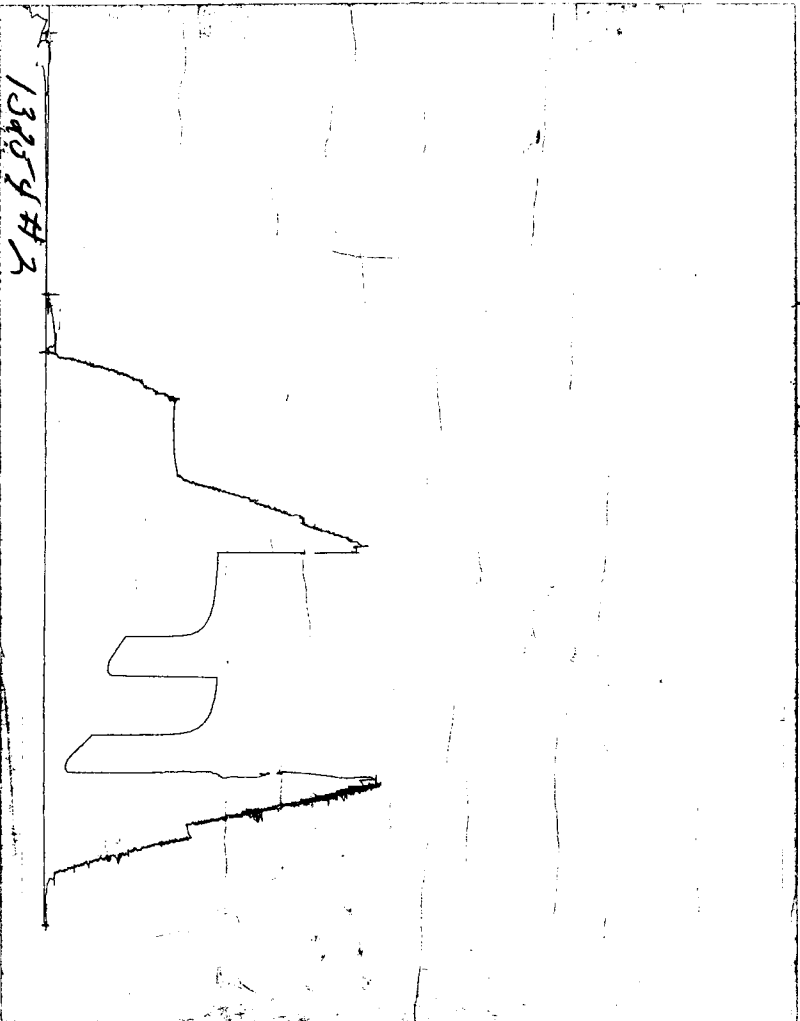
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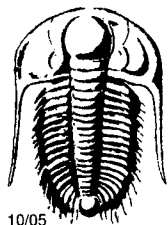
Approved By Gatrick Deenihan

Our Representative Dan Rangle

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28107

Test Ticket

Well Name & No. <u>Pfeifer #1</u>	Test No. <u>3</u>	Date <u>5-2-07</u>
Company <u>R L INVESTMENTS LLC</u>	Zone Tested <u>H</u>	<u>LKC</u>
Address _____	Elevation <u>2443</u>	KB <u>2438</u> GL
Co. Rep / Geo. <u>DAT Deenihan</u>	Rig <u>WW #8</u>	
Location: Sec. <u>31</u> Twp. <u>10</u> Rge. <u>24</u>	Co. <u>Graham</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested 3905 ————— 3940 Initial Str Wt./Lbs. 53000 Unseated Str Wt./Lbs. 56000
 Anchor Length 35 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 60000
 Top Packer Depth 3900 Tool Weight 2000
 Bottom Packer Depth 3905 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3940 Wt. Pipe Run _____ Drill Collar Run 122
 Mud Wt. 9.4 LCM _____ Vis. 44 WL 9.2 Drill Pipe Size 4.5 X 11 Ft. Run 3786

Blow Description I.F. Strong B-B in 15 min.

151 - Weak - building to 2"

E.F. Strong - B-B in 14 min.

FSI -

Recovery - Total Feet 434 GIP 806 Ft. in DC 122 Ft. in DP 312
 Rec. 248 Feet of CLSYC 20 %gas 80 %oil %water %mud
 Rec. 186 Feet of MCO %gas 80 %oil %water 20 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 121 °F Gravity _____ °API D @ _____ °F Corrected Gravity 56 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4500 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1997	PSI	Recorder No.	<u>6741</u>	Test	<u>1100</u>
(B) First Initial Flow Pressure			<u>17</u>	PSI	(depth)	<u>3906</u>	Jars	
(C) First Final Flow Pressure			<u>86</u>	PSI	Recorder No.	<u>13254</u>	Safety Jt.	
(D) Initial Shut-In Pressure			<u>1256</u>	PSI	(depth)	<u>3937</u>	Circ Sub	
(E) Second Initial Flow Pressure			<u>101</u>	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure			<u>137</u>	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			<u>1253</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer	
(Q) Final Hydrostatic Mud			<u>1915</u>	PSI	Initial Shut-In	<u>45</u>	Shale Packer	

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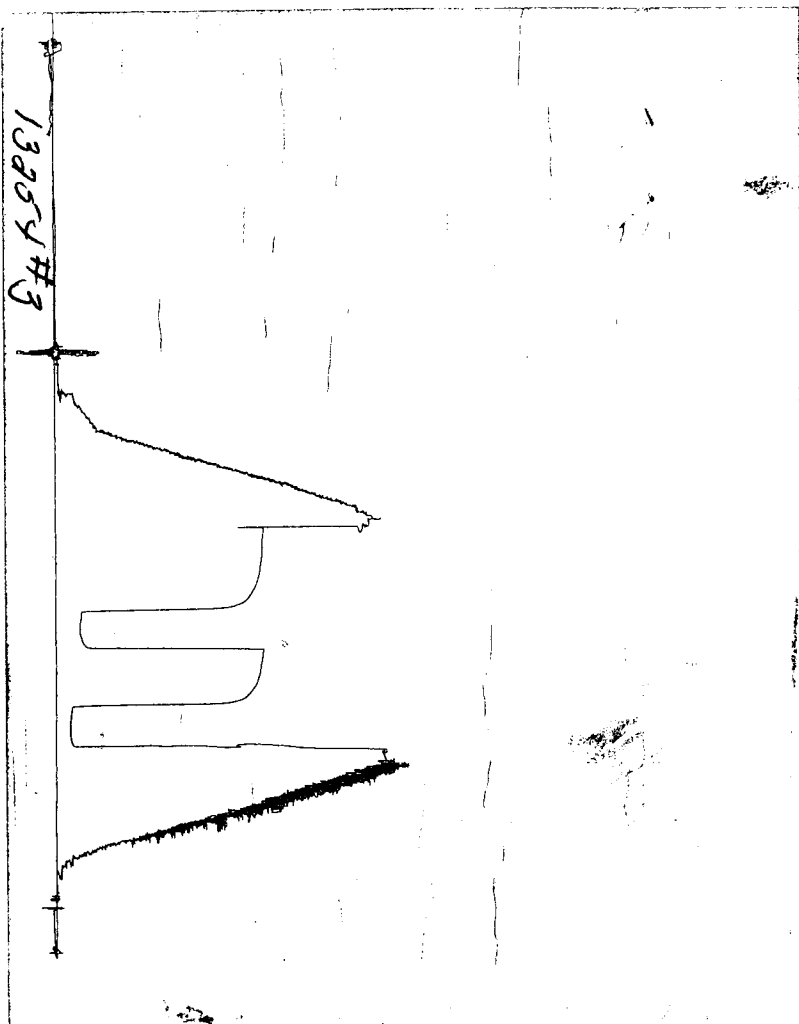
Approved By Gutrick Deenihan

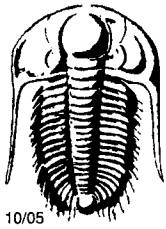
Our Representative Dan Bangle

Final Flow	<u>30</u>	Ruined Packer	
Final Shut-In	<u>60</u>	Mileage	<u>114 RT 142.50</u>
T-On Location	<u>00:55</u>	Sub Total:	
T-Started	<u>01:08</u>	Std. By	
T-Open	<u>03:45</u>	Acc. Chg:	<u>\$1242.50</u>
T-Pulled	<u>06:30</u>	Other:	
T-Out	<u>08:54</u>	Total:	

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27670

10138

Test Ticket

Well Name & No. <u>Pfeiffer #1</u>	Test No. <u>4</u>	Date <u>5-3-07</u>
Company <u>RL Investment, LLC</u>	Zone Tested <u>Ft Scott</u>	
Address <u>217 St Peter Street, Morland KS 67652</u>	Elevation <u>2443</u> KB <u>2437</u> GL	
Co. Rep / Geo. <u>Pat Deenihan</u>	Rig <u>WH #8</u>	
Location: Sec. <u>31</u> Twp. <u>10S</u> Rge. <u>24W</u>	Co. <u>Graham</u> State <u>KS</u>	
Comment: _____		Release date / time: _____

Interval Tested <u>4199 - 4243</u>	Initial Str Wt./Lbs. <u>58000</u>	Unseated Str Wt/Lbs. <u>60000</u>
Anchor Length <u>44'</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>105000</u>
Top Packer Depth <u>4195</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth <u>4199</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>4243</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>122</u>
Mud Wt. <u>9.4</u> LCM <u>1/2"</u> Vis. <u>54</u> WL <u>10</u>	Drill Pipe Size <u>4 1/2 xh</u>	Ft. Run <u>4069</u>

Blow Description IF: Built to 3 1/4 inches

IS: Built to 1/2 inch

FF: Built to 3 inches

FS: Surface blow died in 47 mins.

Recovery - Total Feet _____	GIP <u>50</u>	Ft. in DC <u>120</u>	Ft. in DP <u>10</u>
Rec. <u>10</u> Feet of <u>0</u>	%gas <u>100</u> %oil _____ %water _____ %mud _____		
Rec. <u>30</u> Feet of <u>MCO</u>	%gas <u>85</u> %oil _____ %water <u>15</u> %mud _____		
Rec. <u>60</u> Feet of <u>HMC0</u>	%gas <u>55</u> %oil _____ %water <u>45</u> %mud _____		
Rec. <u>30</u> Feet of <u>OCM</u>	%gas <u>20</u> %oil _____ %water <u>80</u> %mud _____		
Rec. _____ Feet of _____	%gas _____ %oil _____ %water _____ %mud _____		
BHT <u>117</u> °F Gravity <u>36</u>	*API D @ <u>60</u> °F Corrected Gravity <u>36</u> *API _____		
RW _____ @ _____ °F	Chlorides _____ ppm Recovery _____ Chlorides <u>3000</u> ppm System _____		

(A) Initial Hydrostatic Mud <u>2187</u> PSI	Recorder No. <u>6755</u>	Test <u>X</u> <u>1200</u>
(B) First Initial Flow Pressure <u>17</u> PSI	(depth) <u>4200</u>	Jars _____
(C) First Final Flow Pressure <u>47</u> PSI	Recorder No. <u>2607</u>	Safety Jt. _____
(D) Initial Shut-In Pressure <u>152</u> PSI	(depth) <u>4238</u>	Circ Sub <u>X</u> <u>N/C</u>
(E) Second Initial Flow Pressure <u>55</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure <u>69</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure <u>113</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud <u>2120</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____
	Final Flow <u>45</u>	Ruined Packer <u>142.50</u>
	Final Shut-In <u>60</u>	Mileage <u>201 x 1.25 = 251.25</u>

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Approved By _____

Our Representative Brian Dorsch

T-On Location 20:00 pm

T-Started 22:05 pm

T-Open 24:08 pm

T-Pulled 03:08 am

T-Out 06:17 am

Sub Total: _____

Std. By _____

Acc. Chg: _____

Other: 342.50

Total: _____

CHART PAGE

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

