

DRILL STEM TEST REPORT

Prepared For: **Roberts Resources**

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

34 31 13 Barber KS

Larson 1-34

Start Date: 2007.02.24 @ 01:07:57

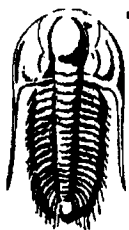
End Date: 2007.02.24 @ 09:44:12

Job Ticket #: 27085 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

Roberts Resources
520 S Holland Ste 207
Wichita KS 67209
ATTN: Kent Roberts

Larson 1-34

34 31 13 Barber KS

Job Ticket: 27085

DST#: 1

Test Start: 2007.02.24 @ 01:07:57

GENERAL INFORMATION:

Formation: **Indian Cave**

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

Time Tool Opened: 03:43:27

Time Test Ended: 09:44:12

Test Type: **Conventional Bottom Hole**

Tester: **Travy Cushmanbery**

Unit No: **30**

Interval: **2632.00 ft (KB) To 2660.00 ft (KB) (TVD)**

Reference Elevations: **1582.00 ft (KB)**

Total Depth: **2660.00 ft (KB) (TVD)**

1572.00 ft (CF)

Hole Diameter: **7.80 inches** Hole Condition: **Good**

KB to GR/CF: **10.00 ft**

Serial #: 6668

Inside

Press@RunDepth: **86.51 psig @ 2632.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2007.02.24**

End Date:

2007.02.24

Last Calib.:

2007.02.24

Start Time: **01:08:02**

End Time:

09:44:12

Time On Btm:

2007.02.24 @ 03:42:42

Time Off Btm:

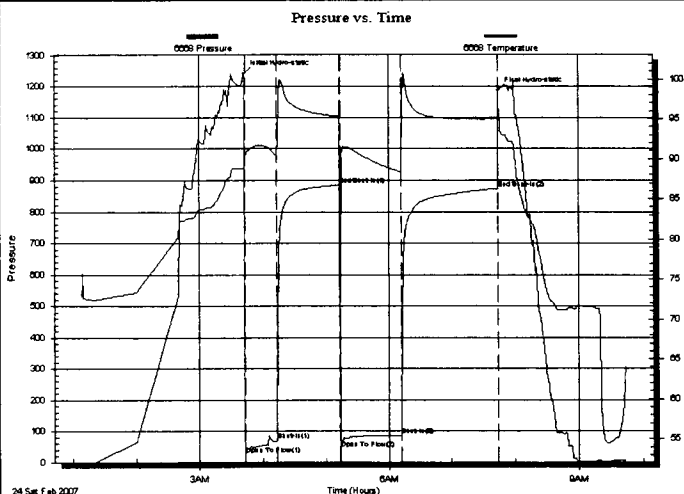
2007.02.24 @ 07:44:41

TEST COMMENT: IF Strong blow BOB in 20 secs. GTS in 15 mins. See gas report

ISI Bled off No blow back

FF Strong blow See gas report

FSI Bled off No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1241.48	88.79	Initial Hydro-static
1	24.76	89.56	Open To Flow (1)
32	69.25	90.24	Shut-In (1)
91	885.23	95.31	End Shut-In (1)
91	42.47	74.26	Open To Flow (2)
150	86.51	88.33	Shut-In (2)
242	873.52	94.97	End Shut-In (2)
242	1187.38	95.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
6.00	Gasy Mud 6%G 94%M	0.03
68.00	Gasy Mud 6%G 945M	0.33
68.00	Gasy Mud 4%G 96%M	0.33
68.00	Gasy Watery Mud 5%G 35%W 60%M	0.39

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	4.00	67.40
Last Gas Rate	0.38	25.00	144.33
Max. Gas Rate	0.38	25.00	144.33



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Roberts Resources

Larson 1-34

520 S Holland Ste 207
Wichita KS 67209

34 31 13 Barber KS

Job Ticket: 27085

DST#: 1

ATTN: Kent Roberts

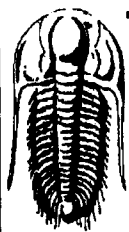
Test Start: 2007.02.24 @ 01:07:57

Tool Information

Drill Pipe:	Length: 2418.00 ft	Diameter: 3.80 inches	Volume: 33.92 bbl	Tool Weight: 2100.00 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: 204.00 ft	Diameter: 2.25 inches	Volume: 1.00 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	34.92 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	2632.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 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
Shut In Tool	5.00			2609.00	
Hydraulic tool	5.00			2614.00	
Jars	5.00			2619.00	
Safety Joint	3.00			2622.00	
Packer	5.00			2627.00	28.00 Bottom Of Top Packer
Packer	5.00			2632.00	
Recorder	0.00	6668	Inside	2632.00	
Perforations	25.00			2657.00	
Recorder	0.00	13266	Outside	2657.00	
Bullnose	3.00			2660.00	28.00 Bottom Packers & Anchor
Total Tool Length:		56.00			



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Roberts Resources

Larson 1-34

520 S Holland Ste 207
Wichita KS 67209

34 31 13 Barber KS

Job Ticket: 27085

DST#: 1

ATTN: Kent Roberts

Test Start: 2007.02.24 @ 01:07:57

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

4000 ppm

Viscosity: 28.00 sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: 1.79 ohm.m

Gas Cushion Pressure:

psig

Salinity: 96000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	Gasy Mud 6%G 94%M	0.030
68.00	Gasy Mud 6%G 945M	0.334
68.00	Gasy Mud 4%G 96%M	0.334
68.00	Gasy Watery Mud 5%G 35%W 60%M	0.389

Total Length: 210.00 ft

Total Volume: 1.087 bbl

Num Fluid Samples: 0

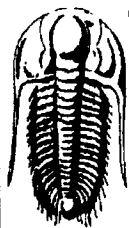
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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DRILL STEM TEST REPORT

GAS RATES

Roberts Resources

Larson 1-34

520 S Holland Ste 207
Wichita KS 67209

34 31 13 Barber KS

Job Ticket: 27085

DST#: 1

ATTN: Kent Roberts

Test Start: 2007.02.24 @ 01:07:57

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	5	0.38	4.00	67.40
1	5	0.38	4.00	67.40
1	10	0.38	8.00	82.06
2	10	0.38	20.00	126.02
2	20	0.38	25.00	144.33
2	30	0.38	25.00	144.33
2	40	0.38	25.00	144.33
2	60	0.38	25.00	144.33

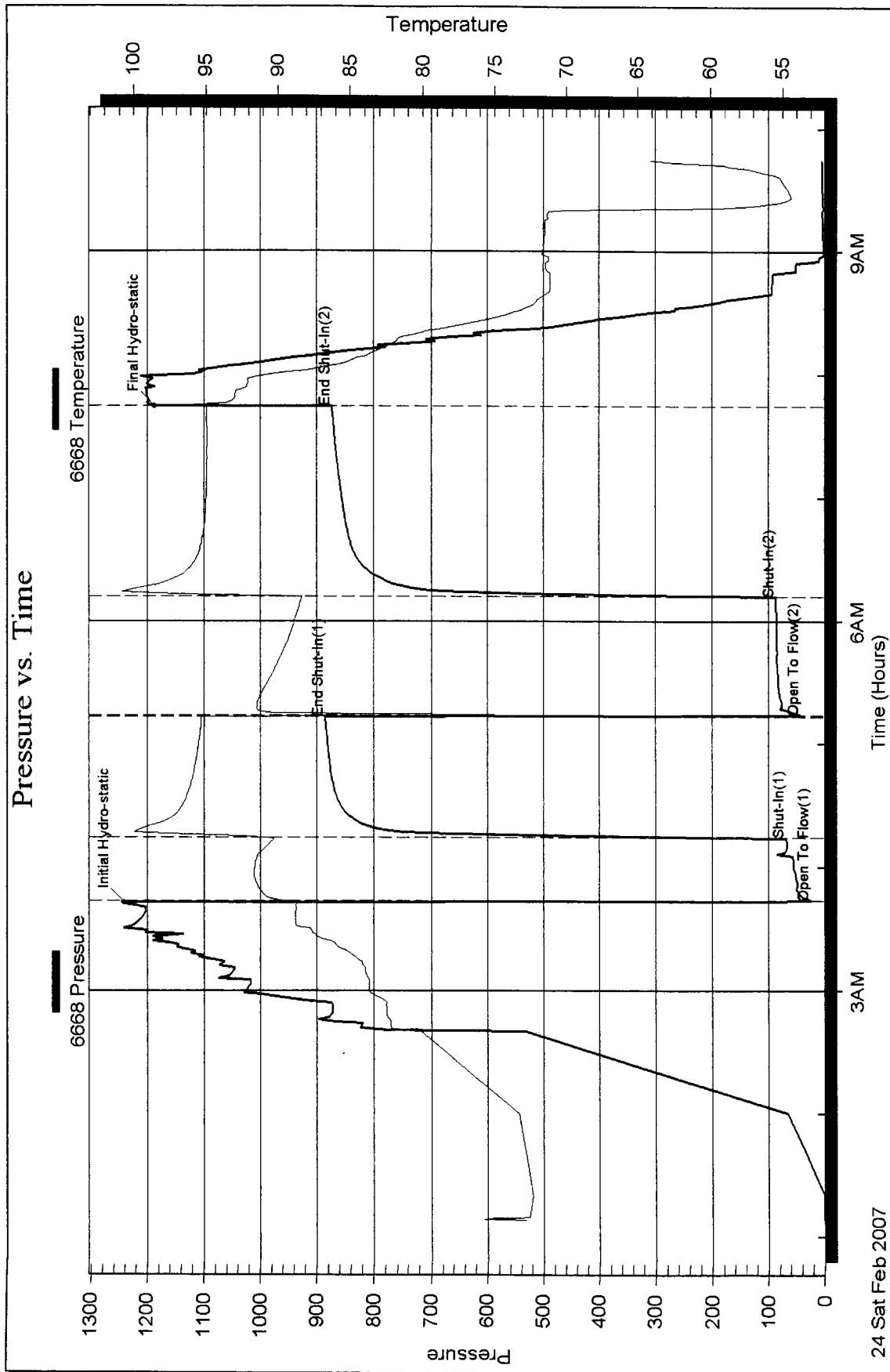
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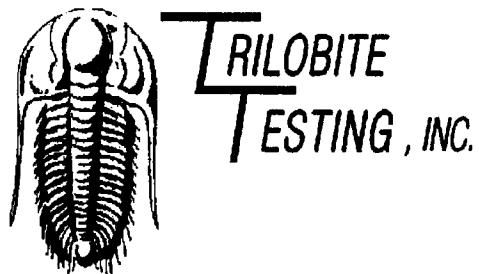
Inside

Roberts Resources

34 31 13 Barber KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Roberts Resources**

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

34 31 13 Barber KS

Larson 1-34

Start Date: 2007.02.24 @ 15:16:33

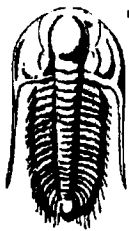
End Date: 2007.02.24 @ 22:03:18

Job Ticket #: 27086 DST #: 2

Trilobite Testing, Inc

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DRILL STEM TEST REPORT

Roberts Resources

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

Larson 1-34

34 31 13 Barber KS

Job Ticket: 27086

DST#: 2

Test Start: 2007.02.24 @ 15:16:33

GENERAL INFORMATION:

Formation: **Indian Cave**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:30:18

Time Test Ended: 22:03:18

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **2626.00 ft (KB) To 2665.00 ft (KB) (TVD)**

Total Depth: 2665.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1582.00 ft (KB)

1572.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6668

Inside

Press@RunDepth: 92.28 psig @ 2626.00 ft (KB)

Start Date: 2007.02.24

End Date:

2007.02.24

Start Time: 15:16:38

End Time:

22:03:17

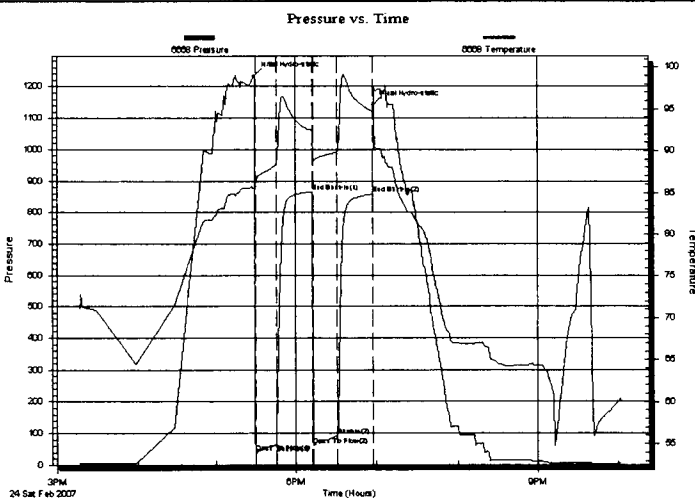
Capacity: 7000.00 psig

Last Calib.: 2007.02.24

Time On Btm: 2007.02.24 @ 17:29:03

Time Off Btm: 2007.02.24 @ 18:58:03

TEST COMMENT: IF Strong blow BOB in 20 secs.
ISI Bled off No blow back
FF Strong blow BOB immediately GTS in 10 mins. See gas report
FSI Bled off Weak blow back Building to 1/8 " in 15 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1234.10	85.46	Initial Hydro-static
2	39.08	86.52	Open To Flow (1)
17	63.34	88.29	Shut-In (1)
43	865.82	92.42	End Shut-In (1)
45	60.19	88.80	Open To Flow (2)
63	92.28	89.85	Shut-In (2)
89	858.77	94.75	End Shut-In (2)
89	1142.76	95.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	Gasy Watery Mud 10%G 40%W 50%M	0.31
58.00	Gasy Watery Mud 6%G 52%W 42%M	0.29
58.00	Gasy Watery Mud 10%G 60%W 30%M	0.29
58.00	Gasy Watery Mud 4%G 66%W 30%M	0.59

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	4.00	6.89
Last Gas Rate	0.13	4.00	6.89



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Roberts Resources

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

Larson 1-34

34 31 13 Barber KS

Job Ticket: 27086

DST#: 2

Test Start: 2007.02.24 @ 15:16:33

Tool Information

Drill Pipe:	Length: 2419.00 ft	Diameter: 3.80 inches	Volume: 33.93 bbl	Tool Weight: 2100.00 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: 204.00 ft	Diameter: 2.25 inches	Volume: 1.00 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	34.93 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	2626.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			2603.00	
Hydraulic tool	5.00			2608.00	
Jars	5.00			2613.00	
Safety Joint	3.00			2616.00	
Packer	5.00			2621.00	28.00 Bottom Of Top Packer
Packer	5.00			2626.00	
Recorder	0.00	6668	Inside	2626.00	
Perforations	36.00			2662.00	
Recorder	0.00	13266	Outside	2662.00	
Bullnose	3.00			2665.00	39.00 Bottom Packers & Anchor
Total Tool Length:	67.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Roberts Resources

Larson 1-34

520 S Holland Ste 207
Wichita KS 67209

34 31 13 Barber KS

Job Ticket: 27086

DST#: 2

ATTN: Kent Roberts

Test Start: 2007.02.24 @ 15:16:33

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

6500 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 1.76 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	Gasy Watery Mud 10%G 40%W 50%M	0.310
58.00	Gasy Watery Mud 6%G 52%W 42%M	0.285
58.00	Gasy Watery Mud 10%G 60%W 30%M	0.285
58.00	Gasy Watery Mud 4%G 66%W 30%M	0.586

Total Length: 237.00 ft

Total Volume: 1.466 bbl

Num Fluid Samples: 0

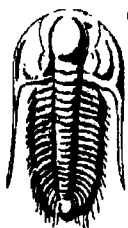
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

Roberts Resources

Larson 1-34

520 S Holland Ste 207
Wichita KS 67209

34 31 13 Barber KS

Job Ticket: 27086

DST#: 2

ATTN: Kent Roberts

Test Start: 2007.02.24 @ 15:16:33

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	5	0.13	4.00	6.89
2	5	0.13	4.00	6.89

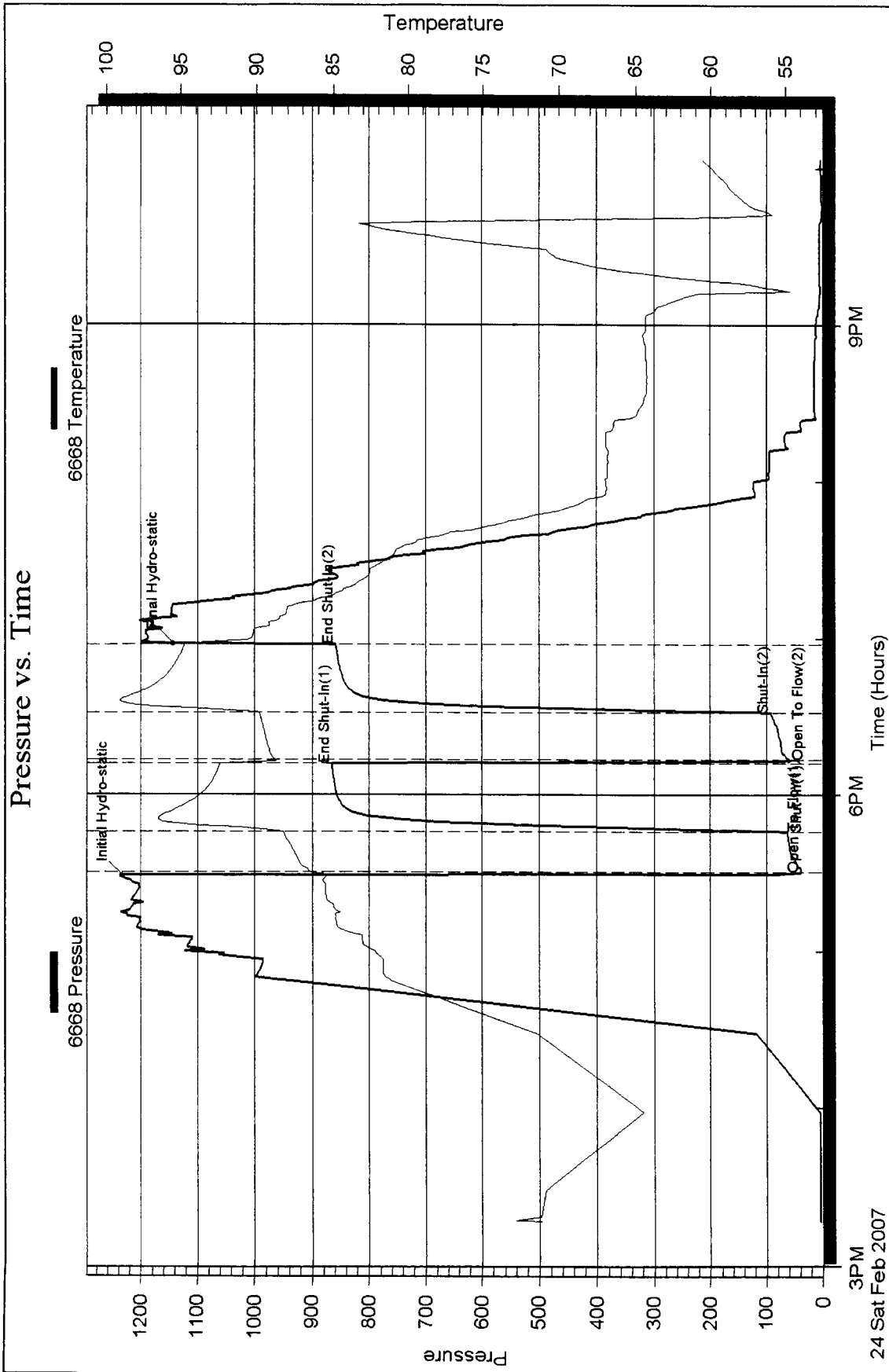
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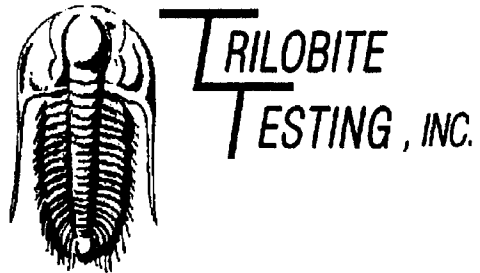
Inside

Roberts Resources

34 31 13 Barber KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Roberts Resources**

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

34 31 13 Barber KS

Larson 1-34

Start Date: 2007.02.26 @ 21:05:32

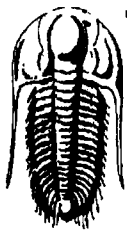
End Date: 2007.02.27 @ 03:07:17

Job Ticket #: 27087 DST #: 3

Trilobite Testing, Inc

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Roberts Resources

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

Larson 1-34

34 31 13 Barber KS

Job Ticket: 27087

DST#: 3

Test Start: 2007.02.26 @ 21:05:32

GENERAL INFORMATION:

Formation: **Douglas Sd.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:22:17

Time Test Ended: 03:07:17

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **3626.00 ft (KB) To 3659.00 ft (KB) (TVD)**

Total Depth: 3659.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1582.00 ft (KB)

1572.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6668

Inside

Press@RunDepth: 34.53 psig @ 3626.00 ft (KB)

Start Date: 2007.02.26

End Date:

2007.02.27

Capacity: 7000.00 psig

Last Calib.: 2007.02.27

Start Time: 21:05:37

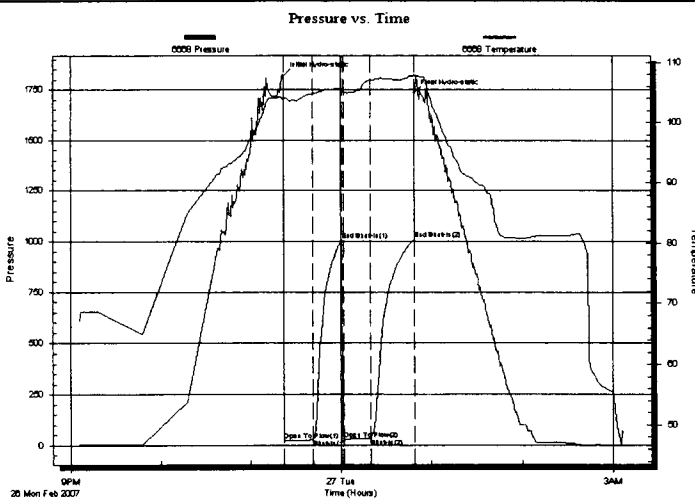
End Time:

03:07:16

Time On Btm: 2007.02.26 @ 23:22:02

Time Off Btm: 2007.02.27 @ 00:49:02

TEST COMMENT: IF Weak blow Building to 1/8 " in 15 mins.
ISI Bled off No blow back
FF Weak blow Building to 1/8 " in 15 mins.
FSI Bled off No blow back



PRESSURE SUMMARY

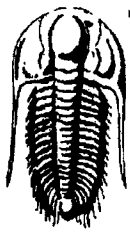
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1816.06	104.07	Initial Hydro-static
1	20.78	103.86	Open To Flow (1)
19	25.62	104.76	Shut-In (1)
39	1008.15	105.65	End Shut-In (1)
40	28.57	105.34	Open To Flow (2)
58	34.53	107.01	Shut-In (2)
87	1010.03	107.75	End Shut-In (2)
87	1732.51	108.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100%M	0.15

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Roberts Resources

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

Larson 1-34

34 31 13 Barber KS

Job Ticket: 27087

DST#: 3

Test Start: 2007.02.26 @ 21:05:32

Tool Information

Drill Pipe:	Length: 3423.00 ft	Diameter: 3.80 inches	Volume: 48.02 bbl	Tool Weight: 2100.00 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: 204.00 ft	Diameter: 2.25 inches	Volume: 1.00 bbl	Weight to Pull Loose: 58000.00 lb
			Total Volume: 49.02 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3626.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3603.00	
Hydraulic tool	5.00			3608.00	
Jars	5.00			3613.00	
Safety Joint	3.00			3616.00	
Packer	5.00			3621.00	28.00 Bottom Of Top Packer
Packer	5.00			3626.00	
Recorder	0.00	6668	Inside	3626.00	
Perforations	30.00			3656.00	
Recorder	0.00	13266	Outside	3656.00	
Bullnose	3.00			3659.00	33.00 Bottom Packers & Anchor
Total Tool Length:	61.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Roberts Resources

Larson 1-34

520 S Holland Ste 207
Wichita KS 67209

34 31 13 Barber KS

Job Ticket: 27087

DST#: 3

ATTN: Kent Roberts

Test Start: 2007.02.26 @ 21:05:32

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100%M	0.148

Total Length: 30.00 ft

Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

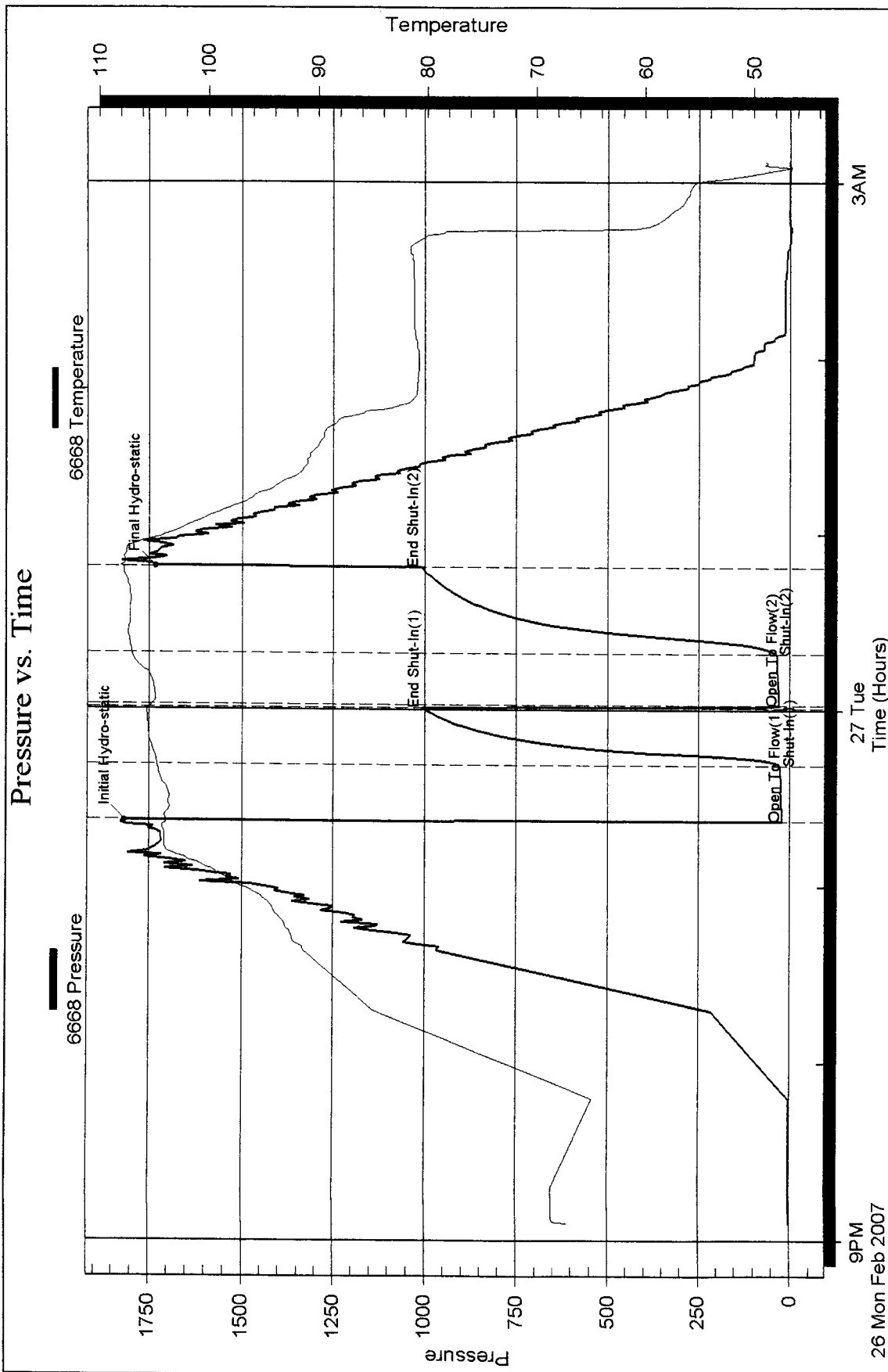
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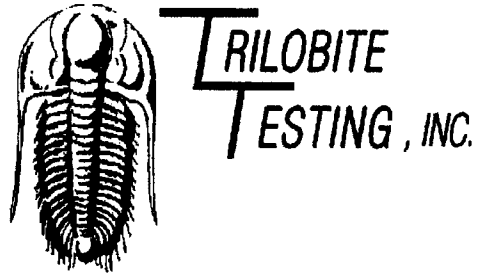
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Roberts Resources**

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

34 31 13 Barber KS

Larson 1-34

Start Date: 2007.02.27 @ 17:55:42

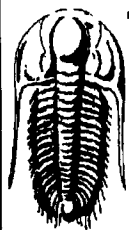
End Date: 2007.02.28 @ 02:02:57

Job Ticket #: 27088 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
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DRILL STEM TEST REPORT

Roberts Resources

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

Larson 1-34

34 31 13 Barber KS

Job Ticket: 27088

DST#: 4

Test Start: 2007.02.27 @ 17:55:42

GENERAL INFORMATION:

Formation: **LKC B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:57:12

Time Test Ended: 02:02:57

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **3790.00 ft (KB) To 3815.00 ft (KB) (TVD)**

Total Depth: 3815.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1582.00 ft (KB)

1572.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6668

Inside

Press@RunDepth: 80.16 psig @ 3790.00 ft (KB)

Start Date: 2007.02.27

End Date:

2007.02.28

Start Time: 17:55:47

End Time:

02:02:56

Capacity: 7000.00 psig

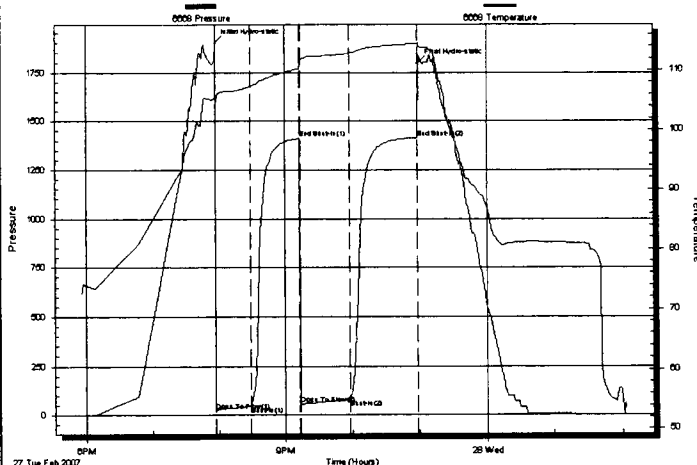
Last Calib.: 2007.02.28

Time On Btm: 2007.02.27 @ 19:56:57

Time Off Btm: 2007.02.27 @ 22:58:56

TEST COMMENT: IF Fair blow Building to 5 " in 30 mins.
ISI Bled off No blow back
FF Fair blow Building to 7 " in 45 mins.
FSI Bled off No blow back

Pressure vs. Time



PRESSURE SUMMARY

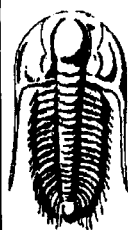
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1900.80	105.07	Initial Hydro-static
1	23.23	104.66	Open To Flow (1)
32	46.92	107.24	Shut-In (1)
76	1411.35	110.25	End Shut-In (1)
77	53.79	111.37	Open To Flow (2)
121	80.16	112.80	Shut-In (2)
182	1414.52	114.41	End Shut-In (2)
182	1795.44	114.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
87.00	G W OcM 10%G 10%O 10%W 70%M	0.43
87.00	GWM 10%G 40%W 50%M	0.43

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Roberts Resources

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

Larson 1-34

34 31 13 Barber KS

Job Ticket: 27088

DST#: 4

Test Start: 2007.02.27 @ 17:55:42

Tool Information

Drill Pipe:	Length: 3580.00 ft	Diameter: 3.80 inches	Volume: 50.22 bbl	Tool Weight: 2100.00 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: 204.00 ft	Diameter: 2.25 inches	Volume: 1.00 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	51.22 bbl	Tool Chased 4.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3790.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3767.00	
Hydraulic tool	5.00			3772.00	
Jars	5.00			3777.00	
Safety Joint	3.00			3780.00	
Packer	5.00			3785.00	28.00 Bottom Of Top Packer
Packer	5.00			3790.00	
Recorder	0.00	6668	Inside	3790.00	
Perforations	22.00			3812.00	
Recorder	0.00	13266	Outside	3812.00	
Bullnose	3.00			3815.00	25.00 Bottom Packers & Anchor
Total Tool Length:	53.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Roberts Resources

Larson 1-34

520 S Holland Ste 207
Wichita KS 67209

34 31 13 Barber KS

Job Ticket: 27088

DST#: 4

ATTN: Kent Roberts

Test Start: 2007.02.27 @ 17:55:42

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

5800 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 1.76 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
87.00	G W OcM 10%G 10%O 10%W 70%M	0.428
87.00	GWM 10%G 40%W 50%M	0.428

Total Length: 174.00 ft

Total Volume: 0.856 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

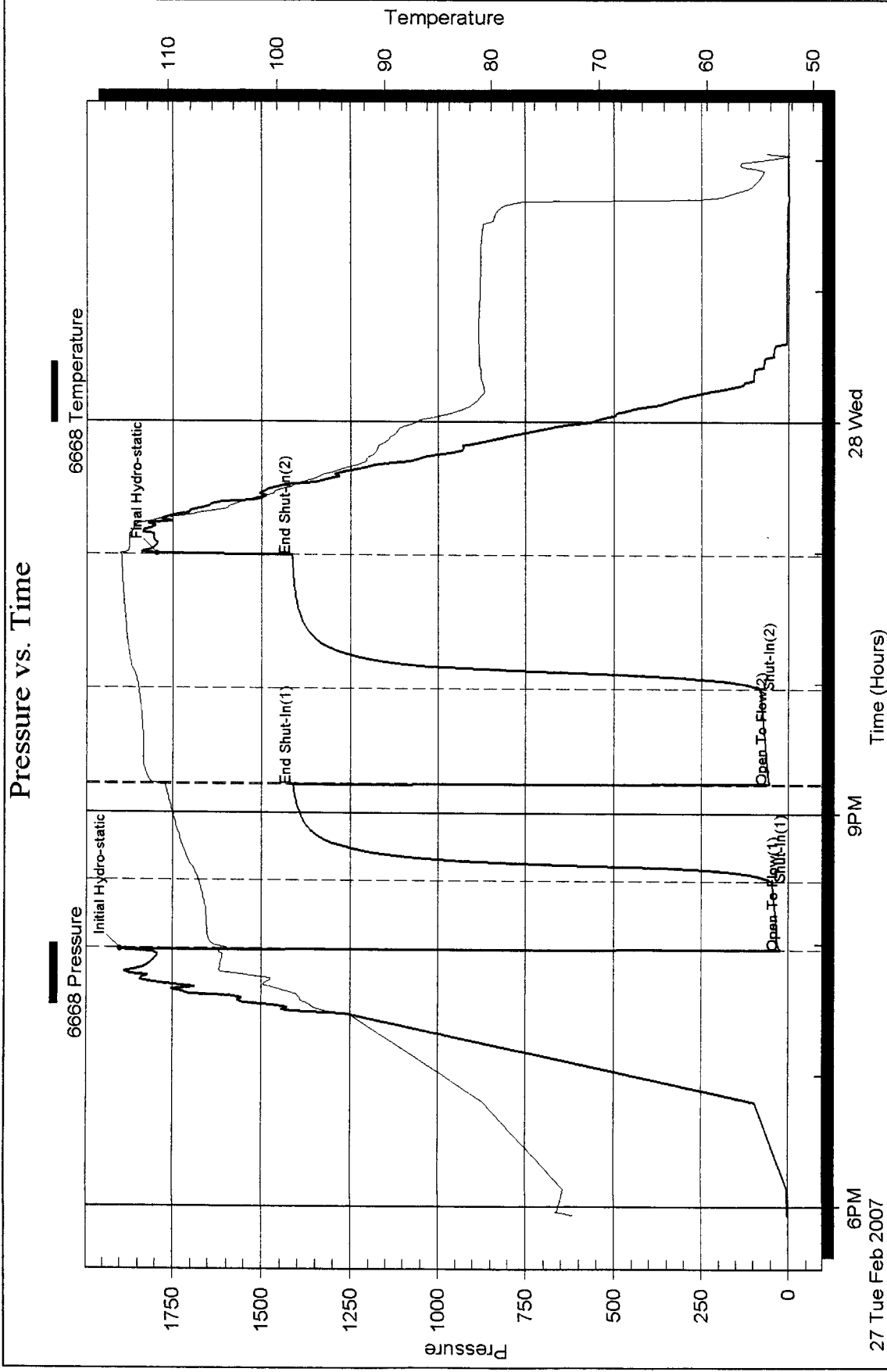
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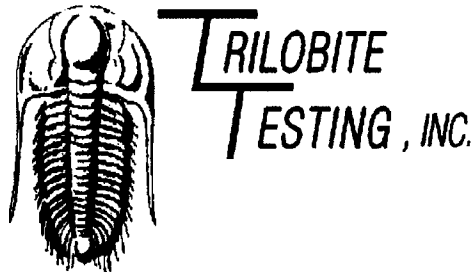
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Roberts Resources**

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

34 31 13 Barber KS

Larson 1-34

Start Date: 2007.03.02 @ 03:52:48

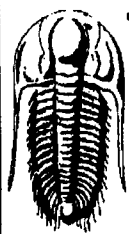
End Date: 2007.03.02 @ 12:27:18

Job Ticket #: 27089 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Roberts Resources
520 S Holland Ste 207
Wichita KS 67209
ATTN: Kent Roberts

Larson 1-34
34 31 13 Barber KS
Job Ticket: 27089 **DST#: 5**
Test Start: 2007.03.02 @ 03:52:48

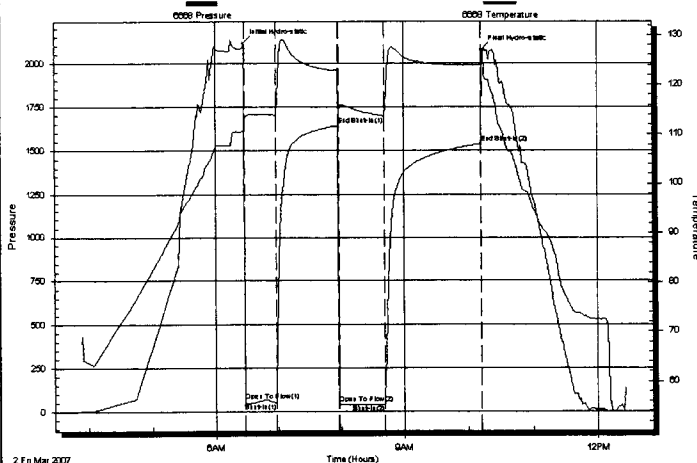
GENERAL INFORMATION:

Formation: **Miss. Chert**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:27:48
Time Test Ended: 12:27:18
Interval: **4326.00 ft (KB) To 4362.00 ft (KB) (TVD)**
Total Depth: 4362.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Travy Cushenbery
Unit No: 30
Reference Elevations: 1582.00 ft (KB)
1572.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6668 **Inside**
Press@RunDepth: 36.55 psig @ 4326.00 ft (KB)
Start Date: 2007.03.02 End Date: 2007.03.02
Start Time: 03:52:53 End Time: 12:27:18
Capacity: 7000.00 psig
Last Calib.: 2007.03.02
Time On Btm: 2007.03.02 @ 06:27:03
Time Off Btm: 2007.03.02 @ 10:12:47

TEST COMMENT: IF Strong blow BOB in 30 secs. GTS in 22 mins. See gas report
ISI Bled off No blow back
FF Strong blow BOB immediately GTS See gas report
FSI Bled off No blow back

Pressure vs. Time



PRESSURE SUMMARY

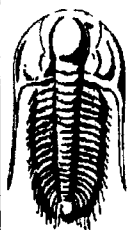
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.09	110.47	Initial Hydro-static
1	56.25	112.72	Open To Flow (1)
31	47.01	113.77	Shut-In (1)
90	1644.93	122.83	End Shut-In (1)
91	44.23	112.70	Open To Flow (2)
135	36.55	113.64	Shut-In (2)
226	1539.13	123.85	End Shut-In (2)
226	2079.13	125.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
68.00	Gassy Mud 20%G 80%M	0.33
68.00	Gassy Mud 10%G 90%M	0.33

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	10.00	164.60
Last Gas Rate	0.13	6.00	7.64
Max. Gas Rate	0.50	10.00	164.60



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Roberts Resources

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

Larson 1-34

34 31 13 Barber KS

Job Ticket: 27089

DST#: 5

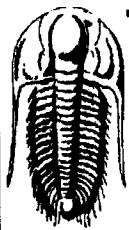
Test Start: 2007.03.02 @ 03:52:48

Tool Information

Drill Pipe:	Length: 4118.00 ft	Diameter: 3.80 inches	Volume: 57.76 bbl	Tool Weight: 2100.00 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: 204.00 ft	Diameter: 2.25 inches	Volume: 1.00 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume: 58.76 bbl		Tool Chased 5.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4326.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 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
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4303.00	
Hydraulic tool	5.00			4308.00	
Jars	5.00			4313.00	
Safety Joint	3.00			4316.00	
Packer	5.00			4321.00	28.00 Bottom Of Top Packer
Packer	5.00			4326.00	
Recorder	0.00	6668	Inside	4326.00	
Perforations	33.00			4359.00	
Recorder	0.00	13266	Outside	4359.00	
Bullnose	3.00			4362.00	36.00 Bottom Packers & Anchor
Total Tool Length:	64.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Roberts Resources

Larson 1-34

520 S Holland Ste 207
Wichita KS 67209

34 31 13 Barber KS

Job Ticket: 27089

DST#: 5

ATTN: Kent Roberts

Test Start: 2007.03.02 @ 03:52:48

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
68.00	Gassy Mud 20%G 80%M	0.334
68.00	Gassy Mud 10%G 90%M	0.334

Total Length: 136.00 ft

Total Volume: 0.668 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Roberts Resources

Larson 1-34

520 S Holland Ste 207
Wichita KS 67209

34 31 13 Barber KS

Job Ticket: 27089

DST#: 5

ATTN: Kent Roberts

Test Start: 2007.03.02 @ 03:52:48

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	22	0.50	10.00	164.60
1	8	0.25	8.00	35.54
2	10	0.13	8.00	8.38
2	20	0.13	8.00	8.38
2	30	0.13	7.00	8.01
2	40	0.13	6.00	7.64
2	45	0.13	6.00	7.64

Serial #: 6668

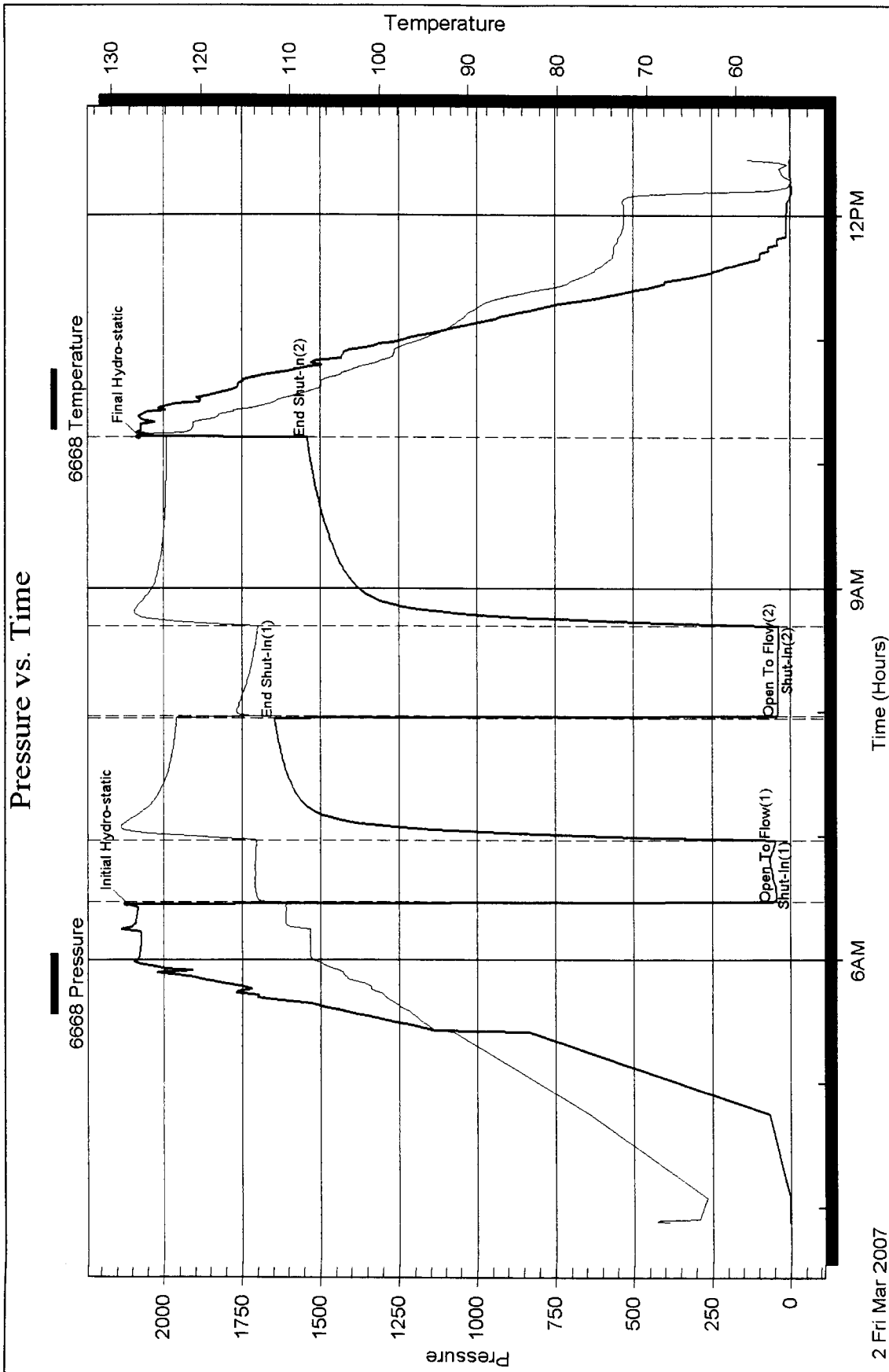
Inside

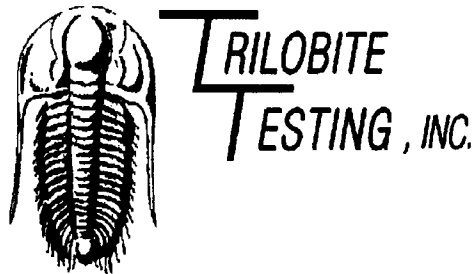
Roberts Resources

34 31 13 Barber KS

DST Test Number: 5

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Roberts Resources**

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

34 31 13 Barber KS

Larson 1-34

Start Date: 2007.03.03 @ 02:37:04

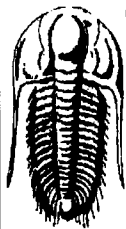
End Date: 2007.03.03 @ 11:51:49

Job Ticket #: 27090 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Roberts Resources
520 S Holland Ste 207
Wichita KS 67209
ATTN: Kent Roberts

Larson 1-34

34 31 13 Barber KS

Job Ticket: 27090

DST#: 6

Test Start: 2007.03.03 @ 02:37:04

GENERAL INFORMATION:

Formation: **Upper Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:23:49

Time Test Ended: 11:51:49

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **4412.00 ft (KB) To 4505.00 ft (KB) (TVD)**

Total Depth: 4505.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1582.00 ft (KB)

1572.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6668

Inside

Press@RunDepth: 27.73 psig @ 4412.00 ft (KB)

Start Date: 2007.03.03

End Date:

2007.03.03

Capacity: 7000.00 psig

Last Calib.: 2007.03.03

Start Time: 02:37:09

End Time:

11:51:49

Time On Btm: 2007.03.03 @ 05:23:34

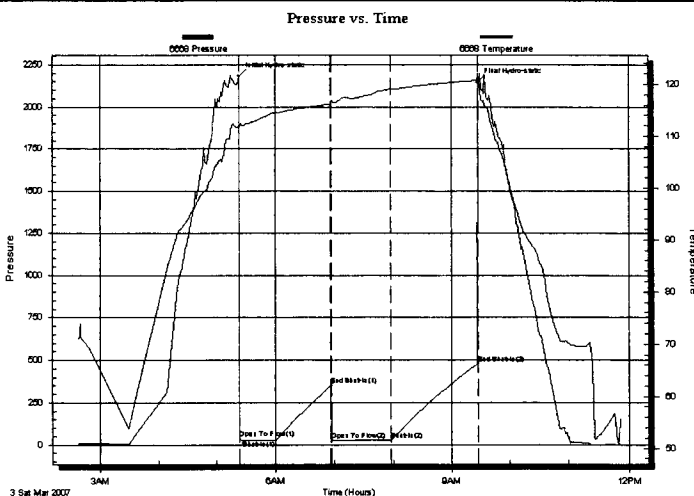
Time Off Btm: 2007.03.03 @ 09:27:18

TEST COMMENT: IF Weak blow Building to 9" in 30 mins.

ISI Bled off No blow back

FF Strong blow BOB immediately

FSI Bled off No blow back



PRESSURE SUMMARY

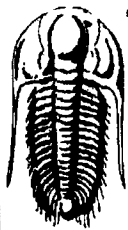
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2182.49	112.04	Initial Hydro-static
1	35.23	111.72	Open To Flow (1)
37	28.25	114.59	Shut-In (1)
93	349.78	116.21	End Shut-In (1)
93	25.91	116.52	Open To Flow (2)
154	27.73	119.04	Shut-In (2)
244	478.49	120.74	End Shut-In (2)
244	2145.61	121.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100%M	0.05

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Roberts Resources

Larson 1-34

520 S Holland Ste 207
Wichita KS 67209

34 31 13 Barber KS

Job Ticket: 27090

DST#: 6

ATTN: Kent Roberts

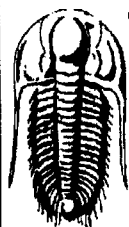
Test Start: 2007.03.03 @ 02:37:04

Tool Information

Drill Pipe:	Length: 4212.00 ft	Diameter: 3.80 inches	Volume: 59.08 bbl	Tool Weight: 2100.00 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: 204.00 ft	Diameter: 2.25 inches	Volume: 1.00 bbl	Weight to Pull Loose: 68000.00 lb
		Total Volume:	60.08 bbl	Tool Chased 2.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4412.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	92.00 ft			
Tool Length:	120.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4389.00	
Hydraulic tool	5.00			4394.00	
Jars	5.00			4399.00	
Safety Joint	3.00			4402.00	
Packer	5.00			4407.00	28.00 Bottom Of Top Packer
Packer	5.00			4412.00	
Recorder	0.00	6668	Inside	4412.00	
Perforations	13.00			4425.00	
Change Over Sub	1.00			4426.00	
Drill Pipe	63.00			4489.00	
Change Over Sub	1.00			4490.00	
Perforations	11.00			4501.00	
Recorder	0.00	13266	Outside	4501.00	
Bullnose	3.00			4504.00	92.00 Bottom Packers & Anchor

Total Tool Length: 120.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Roberts Resources
520 S Holland Ste 207
Wichita KS 67209
ATTN: Kent Roberts

Larson 1-34
34 31 13 Barber KS
Job Ticket: 27090 DST#: 6
Test Start: 2007.03.03 @ 02:37:04

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100%M	0.049

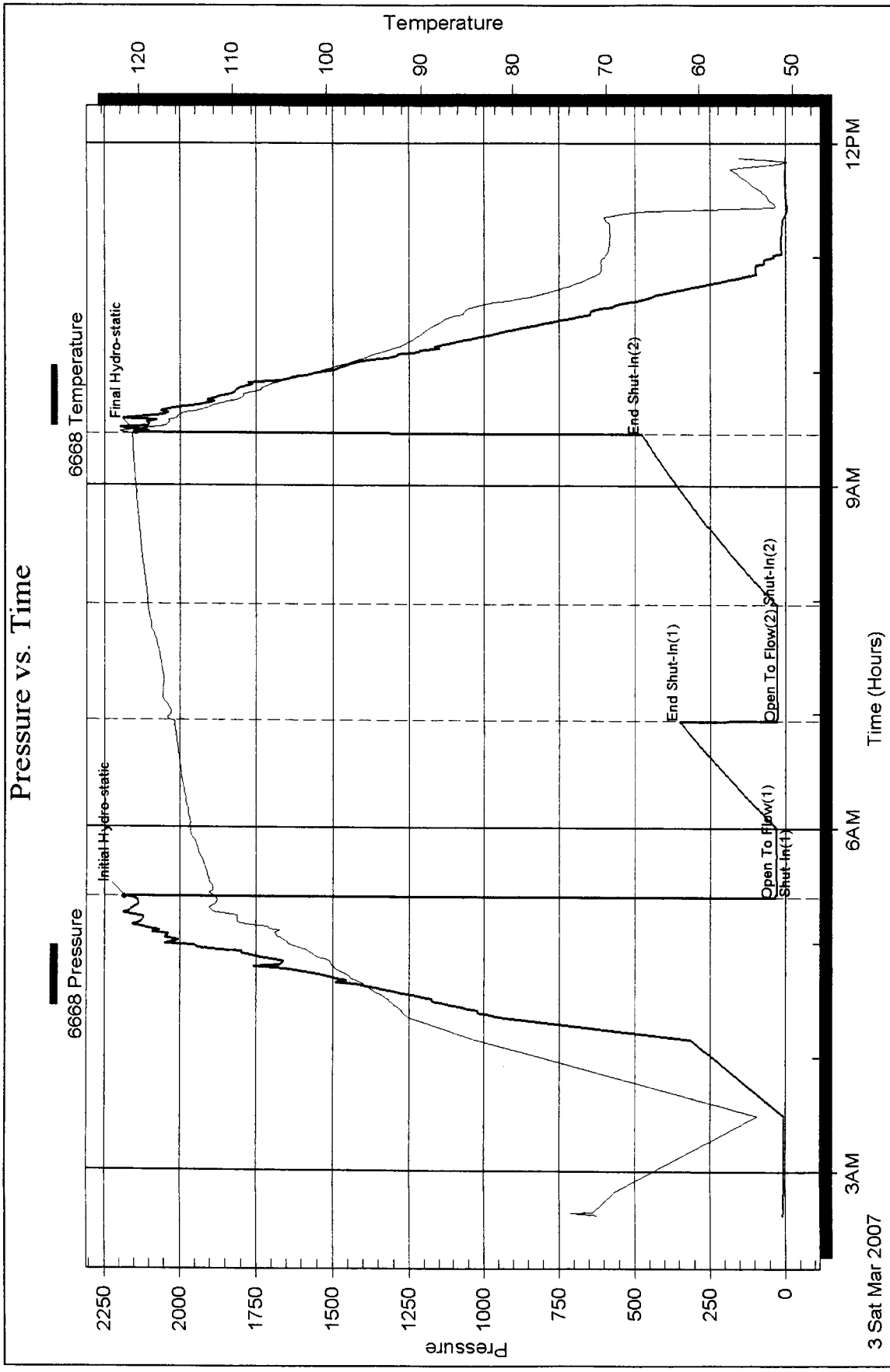
Total Length: 10.00 ft Total Volume: 0.049 bbl

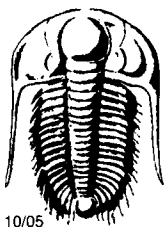
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27085

9906

Test Ticket

Well Name & No. Larson 1-34 Test No. #2 Date 2-23-07
 Company Roberts Resources Zone Tested Indian Cove
 Address 520 S. Holland Suite 207 Wichita, KS 67209 Elevation 1582 KB 1572 GL
 Co. Rep / Geo. Kent Roberts Rig Duke Rig 7
 Location: Sec. 34 Twp. 31s Rge. 13w Co. Barber State KS
 Comment: _____ Release date / time: _____

Interval Tested 2632' - 2660' Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000
 Anchor Length 28' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 2627' Tool Weight 2,100 lbs
 Bottom Packer Depth 2632' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 2650' Wt. Pipe Run NONE Drill Collar Run 204'
 Mud Wt. 9.6 LCM 0 Vis. 28 WL N/C Drill Pipe Size 4 1/2 X H Ft. Run 2418'
 Blow Description IF: Strong blow. B.O.B. in 20 decs. G.T.S. in 15 mins. See gas report
ISI: Bled off. no blow back.
FF: Strong blow. See gas report.
FSI: Bled off. no blow back.

Recovery - Total Feet 210 GIP 000 G.T.S Ft. in DC 204 Ft. in DP 6
 Rec. 6 Feet of Gassy mud 6 %gas 0 %oil 0 %water 94 %mud
 Rec. 68 Feet of Gassy Mud 6 %gas 0 %oil 0 %water 94 %mud
 Rec. 68 Feet of Gassy Mud 4 %gas 0 %oil 0 %water 96 %mud
 Rec. 68 Feet of Gassy Watery Mud 5 %gas 0 %oil 35 %water 60 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 95 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 1.79 @ 63 °F Chlorides _____ ppm Recovery 4,000 Chlorides 16,000 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1240</u> PSI	<u>6668</u>	<u>✓ 1100</u>
(B) First Initial Flow Pressure	<u>25</u> PSI	(depth) <u>2632'</u>	Jars <u>✓ 250</u>
(C) First Final Flow Pressure	<u>69</u> PSI	Recorder No. <u>13266</u>	Safety Jt. <u>✓ 75</u>
(D) Initial Shut-In Pressure	<u>885</u> PSI	(depth) <u>2657</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>42</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>87</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>874</u> PSI	Initial Opening <u>30 mins</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1219</u> PSI	Initial Shut-In <u>60 mins</u>	Shale Packer _____
		Final Flow <u>60 mins</u>	Ruined Packer <u>92.5</u>
		Final Shut-In <u>90 mins</u>	Mileage <u>✓ 74 miles</u>
		T-On Location <u>23:45</u>	Sub Total: <u>1517.50</u>
		T-Started <u>01:07</u>	Std. By _____
		T-Open <u>03:44</u>	Acc. Chg: _____
		T-Pulled <u>07:44</u>	Other: _____
		T-Out <u>09:43</u>	Total: _____

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Approved By Kent Roberts
 Our Representative Tracy Cushman

GAS VOLUME REPORT

OPERATOR

WELL NAME AND NO.

DST NO.

IF Field Report

TF: ATMs 2000

[illegible]

Remarks:

CHART PAGE

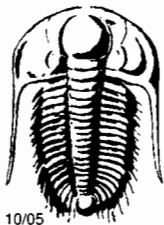
This is a photocopy of the actual AK-1 recorder chart.

TK # 27085

Lanson 1-34

Roberts Resources

Recorder jammed



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27086

Test Ticket

Well Name & No. <u>Larson 1-34</u>	Test No. <u>#2</u>	Date <u>2-24-07</u>
Company <u>Roberts Resources</u>	Zone Tested <u>Indian Cave</u>	
Address <u>520 S. Holland Suite 207 Wichita KS 67209</u>	Elevation <u>1582</u>	KB <u>1572</u> GL
Co. Rep / Geo. <u>Kent Roberts</u>	Rig <u>Duke Rig 7</u>	
Location: Sec. <u>34</u> Twp. <u>31 S</u> Rge. <u>13 W</u>	Co. <u>Barber</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>2626' - 2665'</u>	Initial Str Wt./Lbs. <u>50,000</u>	Unseated Str Wt./Lbs. <u>50,000</u>
Anchor Length <u>39'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>50,000</u>
Top Packer Depth <u>2621'</u>	Tool Weight <u>2,100 lbs</u>	
Bottom Packer Depth <u>2626'</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>2665'</u>	Wt. Pipe Run <u>NONE</u>	Drill Collar Run <u>204'</u>
Mud Wt. <u>8.9</u> LCM <u>0</u> Vis. <u>45</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>2419'</u>
Blow Description <u>IF: Strong blow. B.O.B. in 20 secs.</u>		
<u>ISI: Bled off. No blow back.</u>		
<u>FF: Strong blow. B.O.B. immediately. G.T.S. in 10 mins. see gas report.</u>		
<u>FSI: Bled off. Weak blow back. Building to 1/8" in 15 mins.</u>		
Recovery - Total Feet <u>237'</u>	GIP <u>G.T.S.</u>	Ft. in DC <u>174'</u> Ft. in DP <u>63'</u>
Rec. <u>63</u>	Feet of <u>Gas/Water/Mud</u>	10 %gas 0 %oil 40 %water 50 %mud
Rec. <u>58</u>	Feet of <u>Gas/Water/Mud</u>	6 %gas 0 %oil 52 %water 42 %mud
Rec. <u>58</u>	Feet of <u>Gas/Water/Mud</u>	10 %gas 0 %oil 60 %water 30 %mud
Rec. <u>58</u>	Feet of <u>Gas/Water/Mud</u>	4 %gas 0 %oil 66 %water 30 %mud
Rec. _____	Feet of _____	%gas %oil %water %mud
BHT _____	*F Gravity _____	*API D @ _____ *F Corrected Gravity _____ *API
RW <u>1.76</u> @ <u>36</u>	*F Chlorides _____ ppm Recovery <u>6,500</u>	Chlorides <u>6,000</u> ppm System
AK-1	Alpine	
(A) Initial Hydrostatic Mud _____	<u>1,234</u> PSI	Recorder No. <u>6668</u> Test <u>✓ 1100</u>
(B) First Initial Flow Pressure _____	<u>39</u> PSI	(depth) <u>2626'</u> Jars <u>✓ 250</u>
(C) First Final Flow Pressure _____	<u>63</u> PSI	Recorder No. <u>13266</u> Safety Jt. <u>✓ 75</u>
(D) Initial Shut-In Pressure _____	<u>866</u> PSI	(depth) <u>2662'</u> Circ Sub _____
(E) Second Initial Flow Pressure _____	<u>60</u> PSI	Recorder No. _____ Sampler _____
(F) Second Final Flow Pressure _____	<u>92</u> PSI	(depth) _____ Straddle _____
(G) Final Shut-In Pressure _____	<u>859</u> PSI	Initial Opening <u>15 mins</u> Ext. Packer _____
(Q) Final Hydrostatic Mud _____	<u>1,200</u> PSI	Initial Shut-In <u>30 mins</u> Shale Packer _____
Final Flow <u>15 mins</u>		Ruined Packer <u>92.50</u>
Final Shut-In <u>30 mins</u>		Mileage <u>✓ 174 miles</u>
T-On Location <u>13:00</u>		Sub Total: <u>1517.50</u>
T-Started <u>15:16</u>		Std. By _____
T-Open <u>17:30</u>		Acc. Chg: _____
T-Pulled <u>19:00</u>		Other: _____
T-Out <u>22:02</u>		Total: _____

Approved By _____

Our Representative Tracy Cuskenberry

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.



GAS VOLUME REPORT

Larson 1-34

2
DST NO.

~~DIFF:~~ ATMS 2000

[illegible]

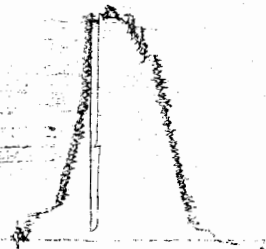
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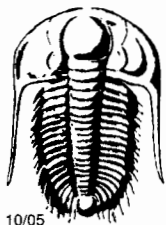
CHART PAGE

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

Malfunction
in Kluster
Clock.

TK# 27086
Roberts Resources
Hanson 1-34





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27087

Test Ticket

Well Name & No. Lawson 1-34 Test No. #3 Date 2-26-07
 Company Roberts Resources Zone Tested 67209 Douglas Sd.
 Address 520 S. Holland Suite 207 Wichita KS Elevation 1582 KB 1572 GL
 Co. Rep / Geo. Kent Roberts Rig Duke Rig #7
 Location: Sec. 34 Twp. 31S Rge. 13W Co. Barber State KS
 Comment: _____ Release date / time: _____

Interval Tested 3626' - 3659' Initial Str Wt./Lbs. 54,000 Unseated Str Wt./Lbs. 54,000
 Anchor Length 33' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 58,000
 Top Packer Depth 3621' Tool Weight 2,100 lbs
 Bottom Packer Depth 3626' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3659' Wt. Pipe Run NONE Drill Collar Run 209'
 Mud Wt. 9.3 LCM 0 Vis. 43 WL 11.2 Drill Pipe Size 4 1/2 XH Ft. Run 3423'
 Blow Description IF: Weak blow. Building to 1/8" in 15 mins.
ISI: Bled off. No blow back.
FF: Weak blow. Building to 1/8" in 15 mins.
FSI: Bled off. No blow back.

Recovery - Total Feet 30 GIP — Ft. in DC 30 Ft. in DP —
 Rec. 30 Feet of Mud 0%gas 0%oil 0%water 100%mud
 Rec. _____ Feet of _____ %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 108 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 6,000 ppm System

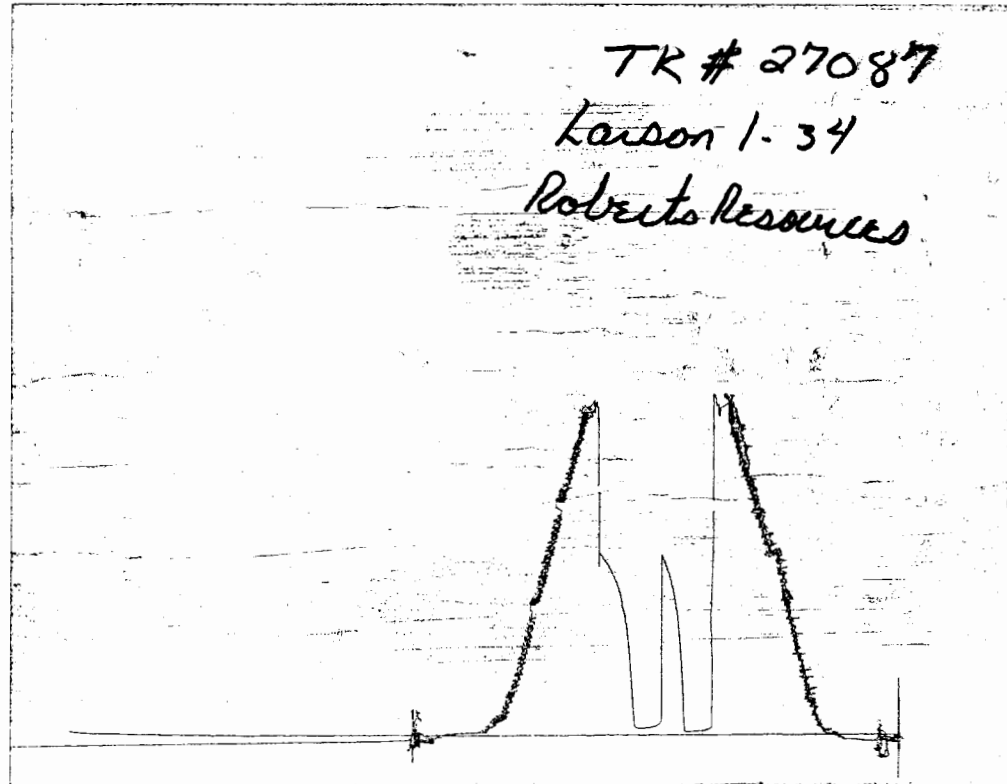
	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>1,827</u>	PSI	Recorder No.	<u>6668</u>	Test	<u>✓ 1100</u>
(B) First Initial Flow Pressure	<u>21</u>	PSI	(depth)	<u>3626'</u>	Jars	<u>✓ 250</u>
(C) First Final Flow Pressure	<u>26</u>	PSI	Recorder No.	<u>13266</u>	Safety Jt.	<u>✓ 75</u>
(D) Initial Shut-In Pressure	<u>1,008</u>	PSI	(depth)	<u>3656'</u>	Circ Sub	_____
(E) Second Initial Flow Pressure	<u>29</u>	PSI	Recorder No.	<u>—</u>	Sampler	_____
(F) Second Final Flow Pressure	<u>35</u>	PSI	(depth)	<u>—</u>	Straddle	_____
(G) Final Shut-In Pressure	<u>1,010</u>	PSI	Initial Opening	<u>15 mins</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud	<u>1,824</u>	PSI	Initial Shut-In	<u>30 mins</u>	Shale Packer	_____
			Final Flow	<u>15 mins</u>	Ruined Packer	<u>92.52</u>
			Final Shut-In	<u>30 mins</u>	Mileage	<u>✓ 74 miles</u>
			T-On Location	<u>19:45</u>	Sub Total:	<u>1517.50</u>
			T-Started	<u>21:05</u>	Std. By	_____
			T-Open	<u>23:24</u>	Acc. Chg:	_____
			T-Pulled	<u>20:49</u>	Other:	_____
			T-Out	<u>03:07</u>	Total:	_____

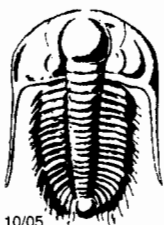
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Kent Roberts
 Our Representative Tracy Custerberry

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27088

Test Ticket

Well Name & No. <u>Layson #1-34</u>	Test No. <u>#4</u>	Date <u>2-27-07</u>
Company <u>Roberts Resources</u>	Zone Tested <u>LKC "B"</u>	
Address <u>520 S. Holland Suite 207 Wichita KS 67209</u>	Elevation <u>1582</u>	KB <u>1572</u> GL
Co. Rep / Geo. <u>Kent Roberts</u>	Rig <u>Duke Rig #7</u>	
Location: Sec. <u>34</u> Twp. <u>31S</u> Rge. <u>13W</u>	Co. <u>Barber</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3790' - 3815'</u>	Initial Str Wt./Lbs. <u>56,000</u>	Unseated Str Wt./Lbs. <u>56,000</u>
Anchor Length <u>25'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth <u>3785'</u>	Tool Weight <u>2,100 lbs</u>	
Bottom Packer Depth <u>3790'</u>	Hole Size <u>7 7/8" ✓</u>	Rubber Size <u>6 3/4" ✓</u>
Total Depth <u>3815'</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>204</u>
Mud Wt. <u>9.3</u> LCM <u>0</u> Vis. <u>60</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 x 4 1/2</u>	Ft. Run <u>3580'</u>
Blow Description <u>IF: Fair blow. Building to 5" in 30 mins.</u>		
<u>ISI: Bled off. No blow back.</u>		
<u>EF: Fair blow. Building to 7" in 45 mins.</u>		
<u>FSI: Bled off. No blow back.</u>		
Recovery - Total Feet <u>174'</u>	GIP <u>324'</u>	Ft. in DC <u>174'</u>
Rec. <u>87</u>	Feet of <u>Gray Watery Mud</u>	%gas %oil %water %mud
Rec. <u>87</u>	Feet of <u>Gray Watery Mud</u>	%gas %oil %water %mud
Rec. <u>87</u>	Feet of <u>Gray Watery Oil Mud</u>	%gas <u>10</u> %oil <u>10</u> %water <u>70</u> %mud
Rec. <u>87</u>	Feet of <u>Gray Watery Mud</u>	%gas %oil %water %mud
Rec. <u>87</u>	Feet of <u>Gray Watery Mud</u>	%gas <u>10</u> %oil <u>40</u> %water <u>50</u> %mud
BHT <u>114</u>	°F Gravity	°API D @
RW <u>176 @ 43</u>	°F	°F Corrected Gravity
Chlorides	ppm Recovery <u>5800</u>	Chlorides <u>6,000</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1902</u> PSI	Recorder No. <u>66668</u>	Test <u>✓</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>23</u> PSI	(depth) <u>3790'</u>	Jars <u>✓</u> <u>252</u>
(C) First Final Flow Pressure	<u>47</u> PSI	Recorder No. <u>13266</u>	Safety Jt. <u>✓</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>1411</u> PSI	(depth) <u>3812'</u>	Circ Sub
(E) Second Initial Flow Pressure	<u>54</u> PSI	Recorder No. <u>—</u>	Sampler
(F) Second Final Flow Pressure	<u>80</u> PSI	(depth) <u>—</u>	Straddle
(G) Final Shut-In Pressure	<u>1415</u> PSI	Initial Opening <u>30 mins</u>	Ext. Packer
(Q) Final Hydrostatic Mud	<u>1841</u> PSI	Initial Shut-In <u>45 mins</u>	Shale Packer

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Final Flow	<u>45 mins</u>	Ruined Packer <u>92.50</u>
Final Shut-In	<u>60 mins</u>	Mileage <u>✓ 74 miles</u>
T-On Location	<u>17:00</u>	Sub Total: <u>1517.50</u>
T-Started	<u>17:55</u>	Std. By
T-Open	<u>20:00</u>	Acc. Chg:
T-Pulled	<u>23:00</u>	Other:
T-Out	<u>02:02</u>	Total:

Approved By _____

Our Representative Travis C. Lusk

CHART PAGE

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

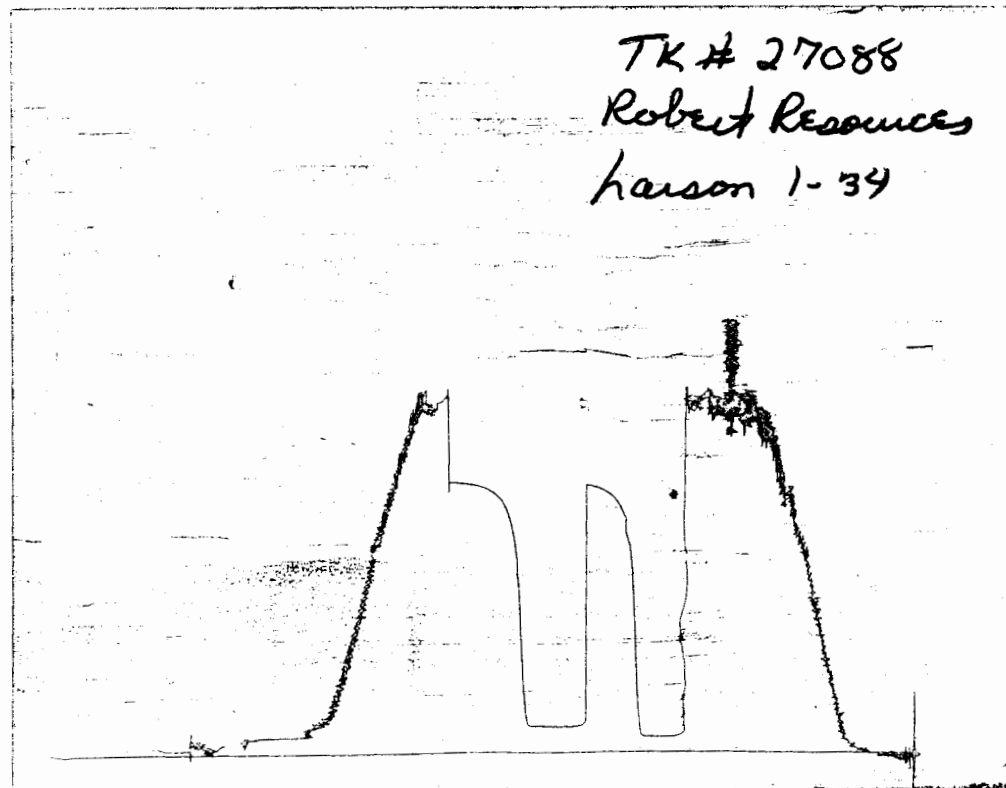
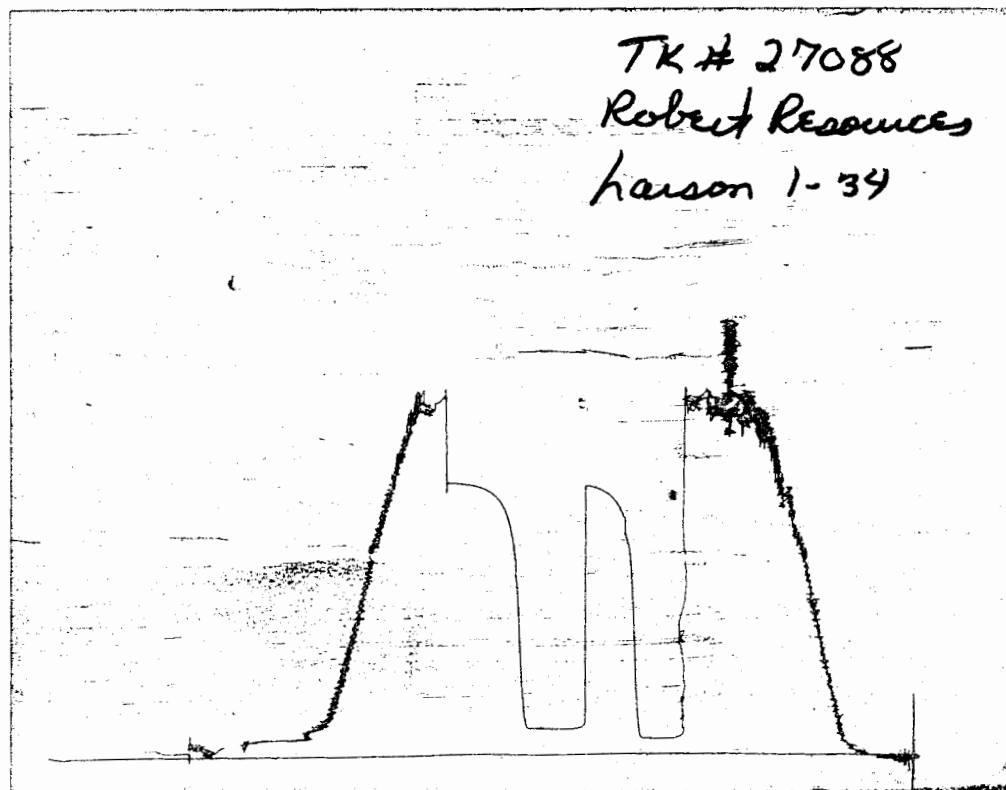
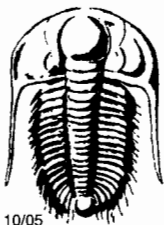


CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27089

Test Ticket

Well Name & No. Louson 1-34 Test No. # 5 Date 3-2-07
 Company Roberts Resources Zone Tested Miss. Chert
 Address 520 S. Holland Suite 207 Wichita, KS 67209 Elevation 1582' KB 1572' GL
 Co. Rep / Geo. Kent Roberts Rig Duke Rig #7
 Location: Sec. 34 Twp. 31s Rge. 13w Co. Barber State KS
 Comment: _____ Release date / time: _____

Interval Tested 4326' - 4362' Initial Str Wt./Lbs. 62,000 Unseated Str Wt./Lbs. 62,000
 Anchor Length 36' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 90,000
 Top Packer Depth 4321' Tool Weight 2,100 lbs
 Bottom Packer Depth 4326' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4362' Wt. Pipe Run NONE Drill Collar Run 204'
 Mud Wt. 9.2 LCM 2 lbs Vis. 47 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run _____

Blow Description IF: Strong blow. B.O.B. in 30 secs. G.T.S. in 22 mins. See gas report
ISI: Bled off. No blow back.
FF: Strong blow. B.O.B. immediately. G.T.S. See gas report.
FSI: Bled off. No blow back.

Recovery - Total Feet 136 GIP G.T.S. Ft. in DC 136 Ft. in DP _____
 Rec. 68 Feet of Grassy Mud 20 %gas 0 %oil 0 %water 80 %mud
 Rec. 68 Feet of Grassy Mud 10 %gas 0 %oil 0 %water 90 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 3,500 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>2,129</u>	PSI	Recorder No.	<u>66668</u>	Test	<u>✓ 1200</u>
(B) First Initial Flow Pressure	<u>56</u>	PSI	(depth)	<u>4326'</u>	Jars	<u>✓ 250</u>
(C) First Final Flow Pressure	<u>47</u>	PSI	Recorder No.	<u>132666</u>	Safety Jt.	<u>✓ 75</u>
(D) Initial Shut-In Pressure	<u>1,645</u>	PSI	(depth)	<u>4359'</u>	Circ Sub	_____
(E) Second Initial Flow Pressure	<u>44</u>	PSI	Recorder No.	_____	Sampler	_____
(F) Second Final Flow Pressure	<u>37</u>	PSI	(depth)	_____	Straddle	_____
(G) Final Shut-In Pressure	<u>1,539</u>	PSI	Initial Opening	<u>mins</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud	<u>2,089</u>	PSI	Initial Shut-In	<u>mins</u>	Shale Packer	_____
			Final Flow	<u>mins</u>	Ruined Packer	<u>92.5'</u>
			Final Shut-In	<u>mins</u>	Mileage	<u>✓ 174 miles</u>

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Approved By Kent Roberts
 Our Representative Kathy Lushenbury

T-On Location 01:30
 T-Started 03:52
 T-Open 06:29
 T-Pulled 10:15
 T-Out 12:26

Sub Total: 1617.50
 Std. By _____
 Acc. Chg: _____
 Other: _____
 Total: _____

GAS VOLUME REPORT

OPERATOR

WELL NAME AND NO.

DST NO.

IF: <u>field Report</u>			
Ins. of Water			

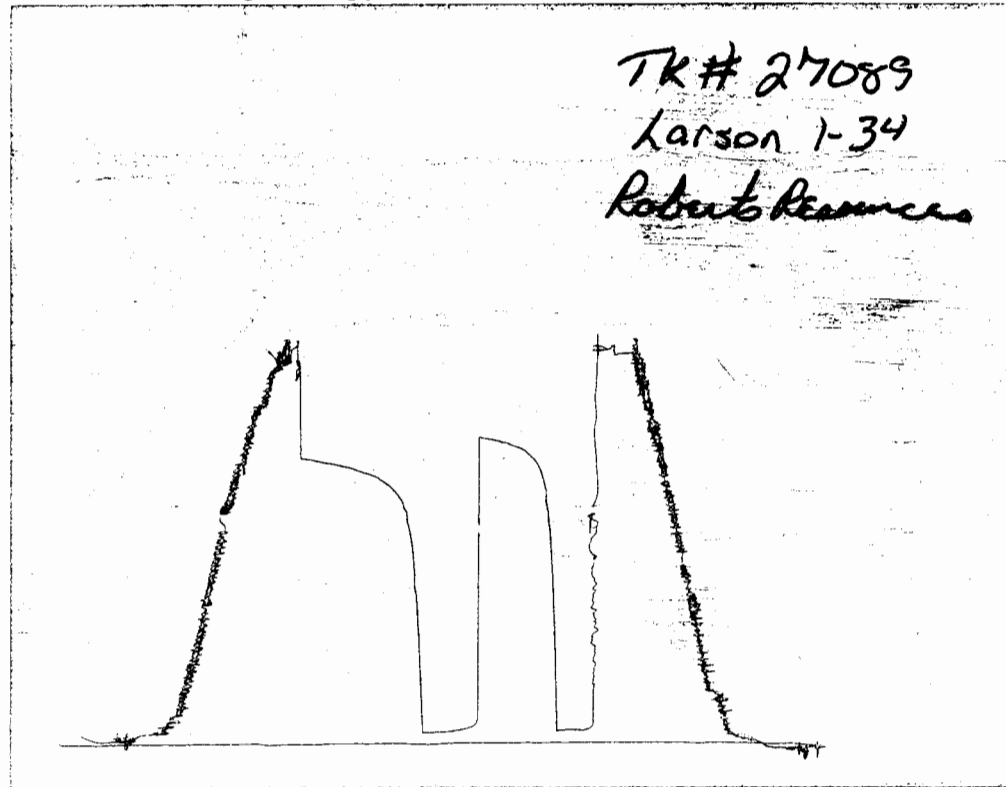
IF: ATms 2000

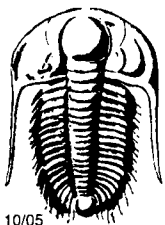
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Remarks:

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27090

Test Ticket

Well Name & No. <u>Larson 1-34</u>	Test No. <u>#6</u>	Date <u>3-3-07</u>
Company <u>Roberts Resources</u>	Zone Tested <u>Upper Viola</u>	
Address <u>520 S. Holland Suite 207 Wichita KS 67209</u>		Elevation <u>1582'</u> KB <u>1572'</u> GL
Co. Rep / Geo. <u>Kent Roberts</u>	Rig <u>Duke Rig 7</u>	
Location: Sec. <u>34</u> Twp. <u>31s</u> Rge. <u>13w</u>	Co. <u>Barber</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>4412' - 4505'</u>	Initial Str Wt./Lbs. <u>62,000</u>	Unseated Str Wt./Lbs. <u>62,000</u>
Anchor Length <u>93'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>68,000</u>
Top Packer Depth <u>4407'</u>	Tool Weight <u>2,100 lbs.</u>	
Bottom Packer Depth <u>4412'</u>	Hole Size <u>7 7/8" ✓</u>	Rubber Size <u>6 3/4" ✓</u>
Total Depth <u>4505'</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>204'</u>
Mud Wt. <u>9.1</u> LCM <u>0</u> Vis. <u>48</u> WL <u>8.0</u>	Drill Pipe Size <u>4 1/2 x 4</u>	Ft. Run <u>4212'</u>

Blow Description IF: Weak blow. Building to 9" in 30 mins.

ISI: Bled off. No blow back.

FF: Strong Blow. B.O. B. immediately.

FSI: Bled off. No blow back.

Recovery - Total Feet <u>10</u>	GIP <u>—</u>	Ft. in DC <u>10</u>	Ft. in DP <u>—</u>
Rec. <u>10</u> Feet of <u>Mud</u>	%gas	%oil	%water <u>100%</u> %mud
Rec. _____ Feet of _____	%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 <u>121</u> °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API			
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides <u>8,000</u> ppm System			

(A) Initial Hydrostatic Mud <u>2,194</u> PSI	Recorder No. <u>6668</u>	Test <u>✓</u> <u>1200</u>
(B) First Initial Flow Pressure <u>35</u> PSI	(depth) <u>4412'</u>	Jars <u>✓</u> <u>250</u>
(C) First Final Flow Pressure <u>28</u> PSI	Recorder No. <u>13266</u>	Safety Jt. <u>✓</u> <u>75</u>
(D) Initial Shut-In Pressure <u>350</u> PSI	(depth) <u>4502'</u>	Circ Sub _____
(E) Second Initial Flow Pressure <u>26</u> PSI	Recorder No. <u>—</u>	Sampler _____
(F) Second Final Flow Pressure <u>28</u> PSI	(depth) <u>—</u>	Straddle _____
(G) Final Shut-In Pressure <u>478</u> PSI	Initial Opening <u>30 mins</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud <u>2,227</u> PSI	Initial Shut-In <u>60 mins</u>	Shale Packer _____
	Final Flow <u>60 mins</u>	Ruined Packer _____
	Final Shut-In <u>90 mins</u>	Mileage <u>74 ✓</u> <u>92.50</u>
	T-On Location <u>01:20</u>	Sub Total: _____
	T-Started <u>02:37</u>	Std. By <u>1.25</u> <u>125</u>
	T-Open <u>05:26</u>	Acc. Chg: _____
	T-Pulled <u>09:30</u>	Other: _____
	T-Out <u>11:51</u>	Total: <u>\$1742.50</u>

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Approved By Kent Roberts

Our Representative Travis Lushenbrey

CHART PAGE

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