

DRILL STEM TEST REPORT

Prepared For: **Robert Resources Inc.**

520 S Holland, Ste 207
Wichita, KS 67209

ATTN: Kent Roberts

32-30s-18w

Emerson Caraway #2

Start Date: 2004.03.29 @ 04:14:27

End Date: 2004.03.29 @ 10:42:57

Job Ticket #: 18916 DST #: 1

15-097-21537-0000

RECEIVED

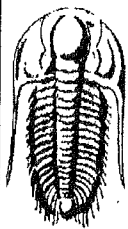
JUL 26 2004

KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Robert Resources Inc.

520 S Holland, Ste 207
Wichita, KS 67209

ATTN: Kent Roberts

Emerson Caraway #2

32-30s-18w

Job Ticket: 18916

DST#: 1

Test Start: 2004.03.29 @ 04:14:27

GENERAL INFORMATION:

Formation: **Stotler**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:26:27

Time Test Ended: 10:42:57

Test Type: Conventional Bottom Hole

Tester: Kevin

Unit No: 27

Interval: **3480.00 ft (KB) To 3495.00 ft (KB) (TVD)**

Total Depth: 3495.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2167.00 ft (KB)

2150.00 ft (CF)

KB to GR/CF: 17.00 ft

Serial #: 6771

Inside

Press@RunDepth: 72.06 psig @ 3482.00 ft (KB)

Start Date: 2004.03.29

End Date:

2004.03.29

Start Time: 04:14:32

End Time:

10:42:56

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2004.03.29 @ 06:25:42

Time Off Btm: 2004.03.29 @ 08:34:57

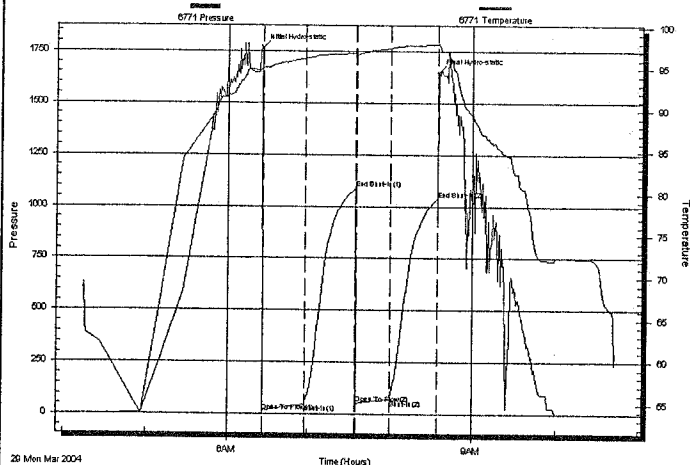
TEST COMMENT: IF- good blow BOB 10 sec

IS- no blow back

FF- built to 5"

FS- no blow back

Pressure vs. Time



PRESSURE SUMMARY

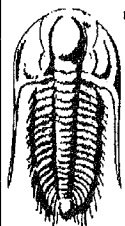
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1761.88	95.09	Initial Hydro-static
1	11.26	94.99	Open To Flow (1)
32	48.66	96.24	Shut-In(1)
70	1084.16	96.85	End Shut-In(1)
70	52.48	96.64	Open To Flow (2)
95	72.06	97.45	Shut-In(2)
129	1036.61	97.87	End Shut-In(2)
130	1645.96	98.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	15% mud 85% water	0.59

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Robert Resources Inc.

520 S Holland, Ste 207
Wichita, KS 67209

ATTN: Kent Roberts

Emerson Caraway #2

32-30s-18w

Job Ticket: 18916

DST#:1

Test Start: 2004.03.29 @ 04:14:27

Tool Information

Drill Pipe:	Length: 3301.00 ft	Diameter: 3.80 inches	Volume: 46.30 bbl	Tool Weight: 1800.00 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 47.21 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3480.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

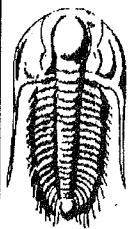
Tool Comments:

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00		3461.00	
Shut In Tool	5.00		3466.00	
Hydraulic tool	5.00		3471.00	
Packer	5.00		3476.00	20.00 Bottom Of Top Packer
Packer	4.00		3480.00	
Stubb	1.00		3481.00	
Perforations	1.00		3482.00	
Recorder	0.00	6771	Inside 3482.00	
Perforations	10.00		3492.00	
Recorder	0.00	13761	Inside 3492.00	
Bullnose	3.00		3495.00	15.00 Bottom Packers & Anchor

Total Tool Length: 35.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Robert Resources Inc.

Emerson Caraway #2

520 S Holland, Ste 207
Wichita, KS 67209

32-30s-18w

Job Ticket: 18916

DST#: 1

ATTN: Kent Roberts

Test Start: 2004.03.29 @ 04:14:27

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:

52000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.18 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
120.00	15% mud 85% water	0.590

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

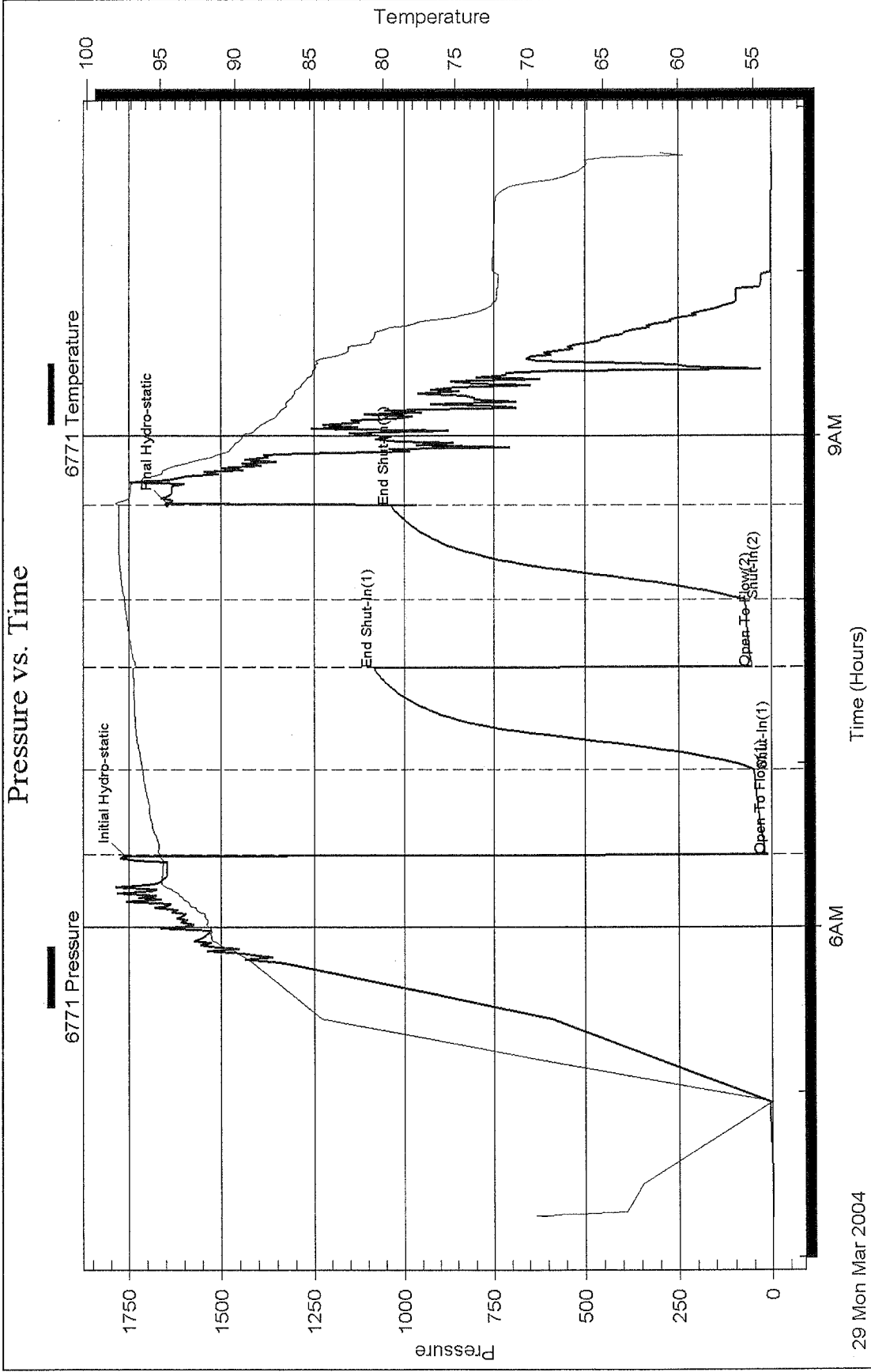
Serial #:

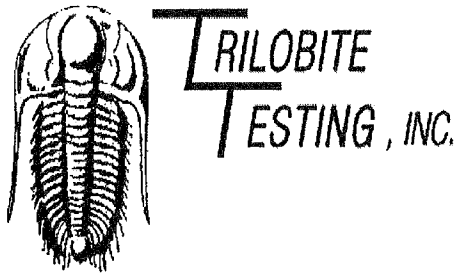
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Robert Resources Inc.**

520 S Holland, Ste 207
Wichita, KS 67209

ATTN: Kent Roberts

32-30s-18w

Emerson Caraway #2

Start Date: 2004.04.01 @ 22:52:29

End Date: 2004.04.02 @ 07:50:59

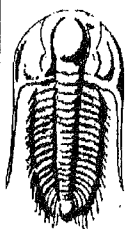
Job Ticket #: 18623

DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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**TRILOBITE
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DRILL STEM TEST REPORT

Robert Resources Inc.

520 S Holland, Ste 207
Wichita, KS 67209

ATTN: Kent Roberts

Emerson Caraway #2

32-30s-18w

Job Ticket: 18623

DST#: 2

Test Start: 2004.04.01 @ 22:52:29

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:13:29

Time Test Ended: 07:50:59

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 24

Interval: **5018.00 ft (KB) To 5030.00 ft (KB) (TVD)**

Total Depth: 5030.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2167.00 ft (KB)

2150.00 ft (CF)

KB to GR/CF: 17.00 ft

Serial #: 6627 Inside

Press@RunDepth: 53.57 psig @ 5019.00 ft (KB)

Start Date: 2004.04.01

End Date: 2004.04.02

Start Time: 22:52:31

End Time: 07:50:59

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2004.04.02 @ 01:12:29

Time Off Btm: 2004.04.02 @ 05:18:44

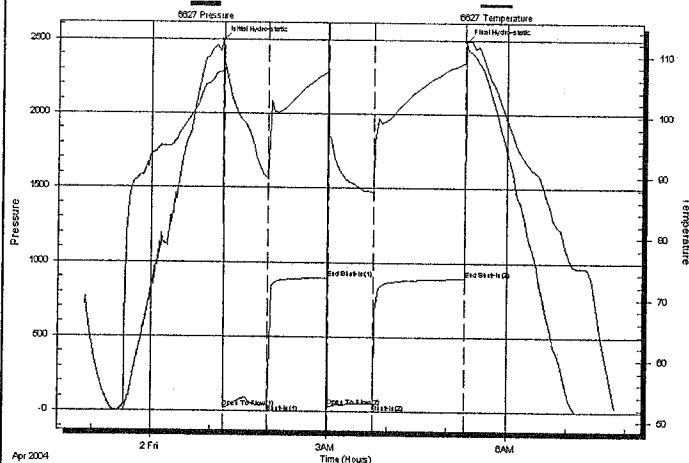
TEST COMMENT: IFP-BOB in 30 sec., Gas to Surface in 22 min.- Guaging Gas

ISI- No Blow back

FFP-BOB on Opening, Guaging Gas

FSI- No Blow back

Pressure vs. Time



PRESSURE SUMMARY

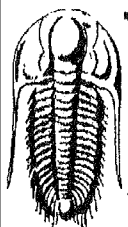
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2493.23	107.48	Initial Hydro-static
1	20.76	109.21	Open To Flow (1)
46	45.06	89.67	Shut-In (1)
108	895.48	107.36	End Shut-In (1)
108	35.17	96.59	Open To Flow (2)
154	53.57	87.52	Shut-In (2)
246	892.48	108.90	End Shut-In (2)
247	2488.58	112.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud	0.42

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	30.00	693.52
Last Gas Rate	0.50	20.00	232.05
Max. Gas Rate	0.75	30.00	693.52



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Robert Resources Inc.

520 S Holland, Ste 207
Wichita, KS 67209

ATTN: Kent Roberts

Emerson Caraway #2

32-30s-18w

Job Ticket: 18623

DST#:2

Test Start: 2004.04.01 @ 22:52:29

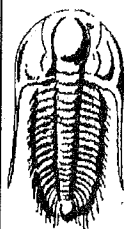
Tool Information

Drill Pipe:	Length: 5028.00 ft	Diameter: 3.80 inches	Volume: 70.53 bbl	Tool Weight:	1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	80000.00 lb
			Total Volume: 70.53 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	61000.00 lb
Depth to Top Packer:	5018.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	12.00 ft				
Tool Length:	33.00 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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Change Over Sub	1.00			4998.00	
Shut In Tool	5.00			5003.00	
Hydraulic tool	5.00			5008.00	
Packer	5.00			5013.00	21.00 Bottom Of Top Packer
Packer	5.00			5018.00	
Stubb	1.00			5019.00	
Recorder	0.00	6627	Inside	5019.00	
Perforations	8.00			5027.00	
Recorder	0.00	13252	Outside	5027.00	
Bullnose	3.00			5030.00	12.00 Bottom Packers & Anchor
Total Tool Length:	33.00				



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Robert Resources Inc.

Emerson Caraway #2

520 S Holland, Ste 207
Wichita, KS 67209

32-30s-18w

Job Ticket: 18623

DST#: 2

ATTN: Kent Roberts

Test Start: 2004.04.01 @ 22:52:29

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 11.18 in³

Resistivity: ohm.m

Salinity: 6000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud	0.421

Total Length: 30.00 ft

Total Volume: 0.421 bbl

Num Fluid Samples: 0

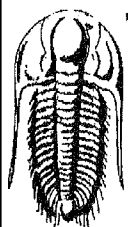
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

Robert Resources Inc.

Emerson Caraway #2

520 S Holland, Ste 207
Wichita, KS 67209

32-30s-18w

Job Ticket: 18623

DST#: 2

ATTN: Kent Roberts

Test Start: 2004.04.01 @ 22:52:29

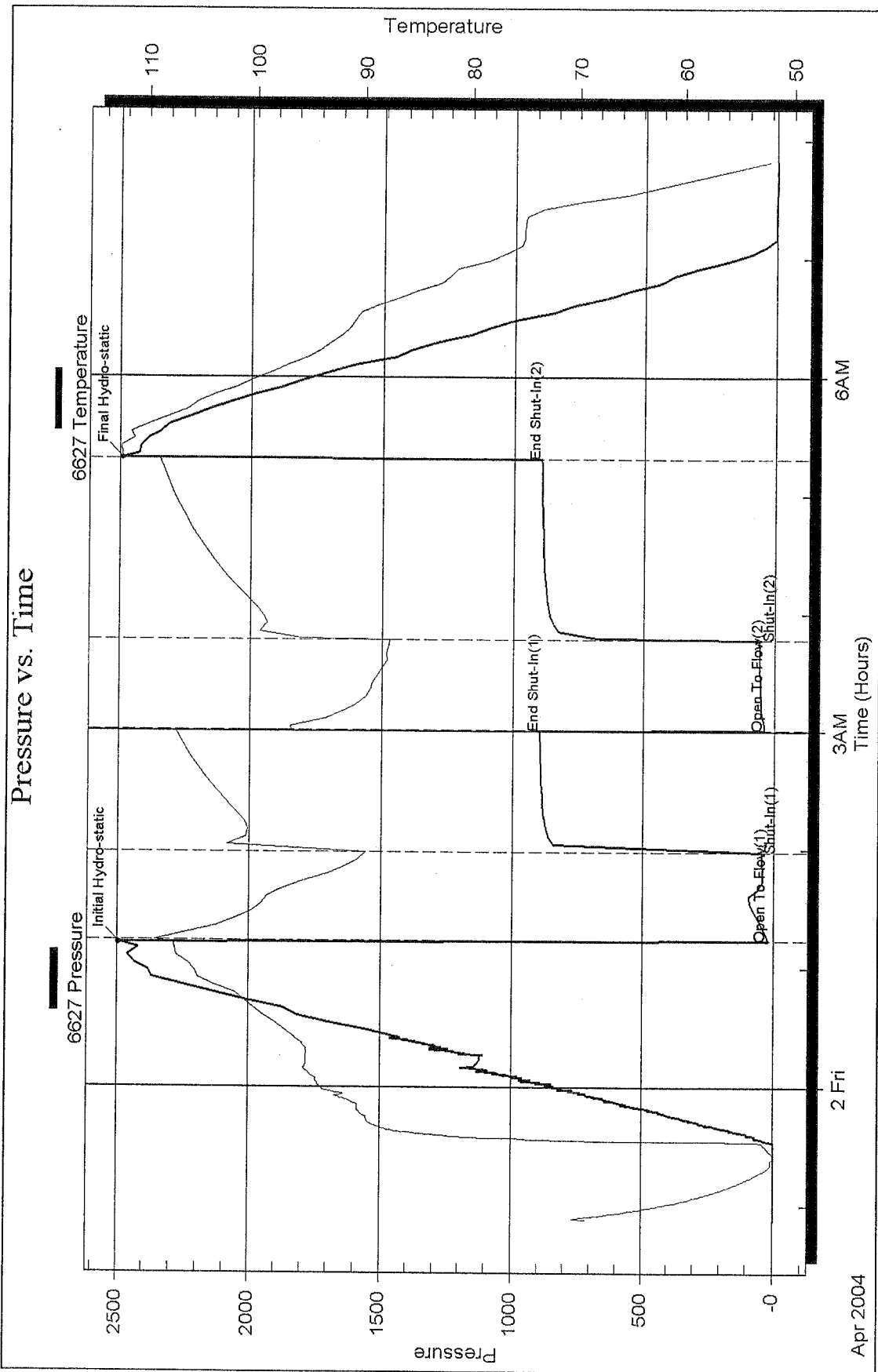
Gas Rates Information

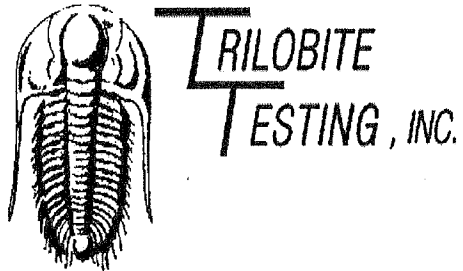
Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	25	0.75	30.00	693.52
1	30	0.75	7.50	342.07
1	35	0.50	10.00	164.59
1	40	0.50	12.50	181.46
1	45	0.50	14.00	191.58
2	10	0.50	16.50	208.44
2	20	0.50	18.25	220.25
2	30	0.50	19.25	226.99
2	40	0.50	20.00	232.05
2	45	0.50	20.00	232.05

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Robert Resources Inc.**

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32-30s-18w

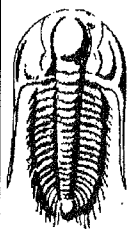
Emerson Caraway #2

Start Date: 2004.04.02 @ 15:28:45

End Date: 2004.04.02 @ 23:24:00

Job Ticket #: 18624 DST #: 3

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



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DRILL STEM TEST REPORT

Robert Resources Inc.

520 S Holland, Ste 207
Wichita, KS 67209

ATTN: Kent Roberts

Emerson Caraway #2

32-30s-18w

Job Ticket: 18624

DST#: 3

Test Start: 2004.04.02 @ 15:28:45

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:14:45

Time Test Ended: 23:24:00

Interval: **5030.00 ft (KB) To 5042.00 ft (KB) (TVD)**

Total Depth: 5042.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 24

Reference Elevations: 2167.00 ft (KB)

2150.00 ft (CF)

KB to GR/CF: 17.00 ft

Serial #: 6627 Inside

Press@RunDepth: 10.70 psig @ 5031.00 ft (KB)

Start Date: 2004.04.02 End Date: 2004.04.02

Start Time: 15:28:47 End Time: 23:24:00

Capacity: 7000.00 psig

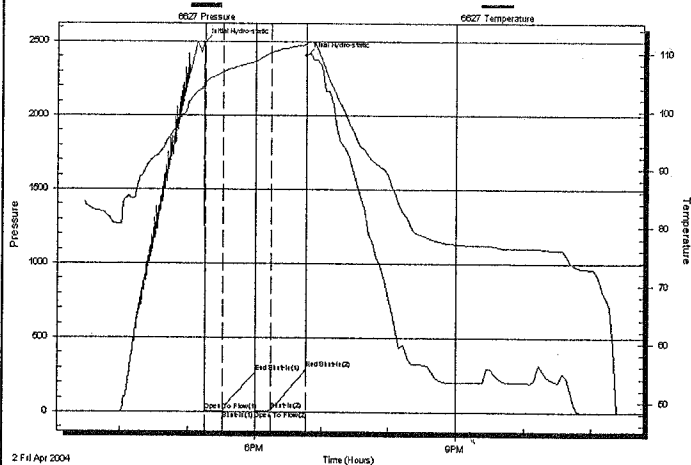
Last Calib.: 1899.12.30

Time On Btm: 2004.04.02 @ 17:14:15

Time Off Btm: 2004.04.02 @ 18:46:00

TEST COMMENT: IFP-Good Blow, Built to 7", No Blow back
FFP-Good Blow, Built to 7", No Blow back

Pressure vs. Time



2 F4 Apr 2004

PRESSURE SUMMARY

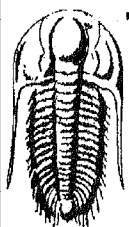
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2492.50	104.38	Initial Hydro-static
1	7.20	104.55	Open To Flow (1)
17	8.38	106.76	Shut-In (1)
46	265.78	108.60	End Shut-In (1)
46	6.63	108.43	Open To Flow (2)
61	10.70	110.13	Shut-In (2)
92	290.64	111.53	End Shut-In (2)
92	2405.08	111.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.14

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Robert Resources Inc.

520 S Holland, Ste 207
Wichita, KS 67209

ATTN: Kent Roberts

Emerson Caraway #2

32-30s-18w

Job Ticket: 18624

DST#: 3

Test Start: 2004.04.02 @ 15:28:45

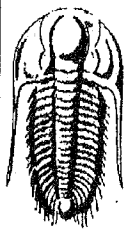
Tool Information

Drill Pipe:	Length: 5028.00 ft	Diameter: 3.80 inches	Volume: 70.53 bbl	Tool Weight:	1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	61000.00 lb
			Total Volume: 70.53 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	61000.00 lb
Depth to Top Packer:	5030.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	12.00 ft				
Tool Length:	33.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5010.00	
Shut In Tool	5.00			5015.00	
Hydraulic tool	5.00			5020.00	
Packer	5.00			5025.00	21.00 Bottom Of Top Packer
Packer	5.00			5030.00	
Stubb	1.00			5031.00	
Recorder	0.00	6627	Inside	5031.00	
Perforations	8.00			5039.00	
Recorder	0.00	13252	Outside	5039.00	
Bullnose	3.00			5042.00	12.00 Bottom Packers & Anchor
Total Tool Length:	33.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

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Emerson Caraway #2

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Wichita, KS 67209

32-30s-18w

Job Ticket: 18624

DST#: 3

ATTN: Kent Roberts

Test Start: 2004.04.02 @ 15:28:45

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 9.59 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6627

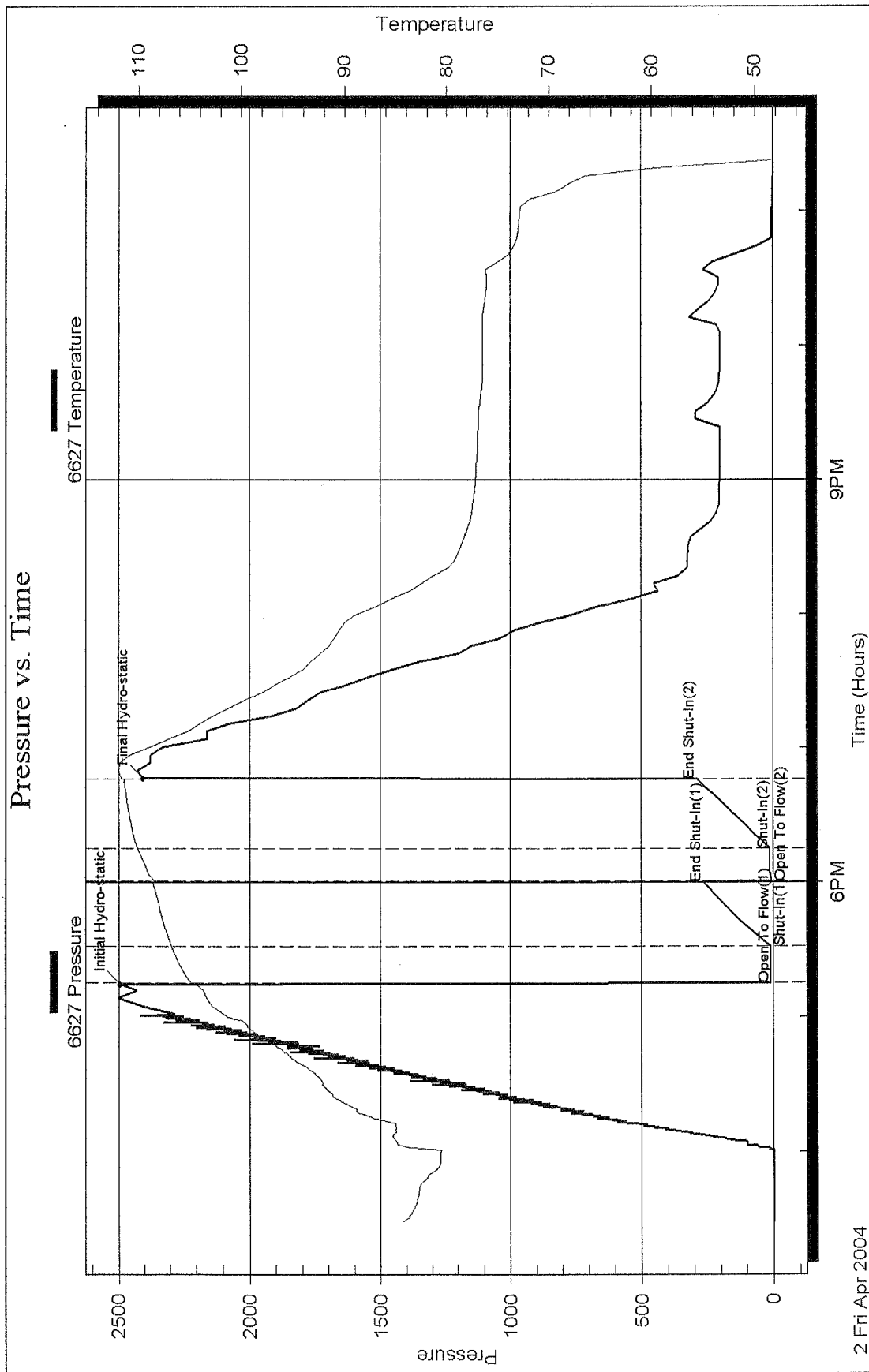
Inside

Robert Resources Inc.

32-30s-18w

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 18624

Printed: 2004.04.08 @ 12:00:39 Page 5