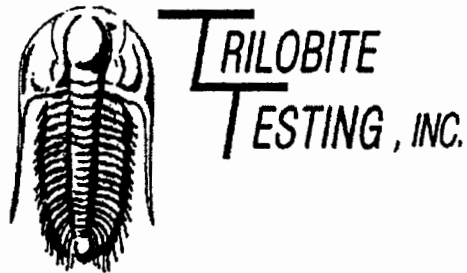


15-175-21895



DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc**

1321 W 93rd North
Valley Center KS 67147

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NOV 13 2003

KCC WICHITA

ATTN: Brad Rine

27-31-31

Collingwood "A" #1

Start Date: 2003.04.29 @ 04:57:13

End Date: 2003.04.29 @ 08:41:13

Job Ticket #: 16056 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

Daystar Petroleum Inc
1321 W 93rd North
Valley Center KS 67147
ATTN: Brad Rine

Collingwood "A" #1
27-31-31
Job Ticket: 16056 DST#: 1
Test Start: 2003.04.29 @ 04:57:13

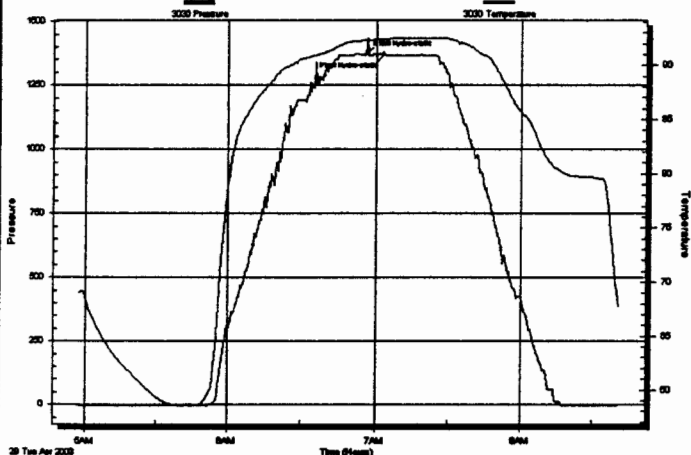
GENERAL INFORMATION:

Formation: **Chase**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 08:41:13
Test Type: **Conventional Bottom Hole**
Tester: **Blake Wallace**
Unit No: **20**
Interval: **2609.00 ft (KB) To 2720.00 ft (KB) (TVD)**
Total Depth: **2720.00 ft (KB) (TVD)**
Hole Diameter: **7.78 inches** Hole Condition: **Good**
Reference Elevations: **2811.00 ft (KB)**
2800.00 ft (CF)
KB to GR/CF: **11.00 ft**

Serial #: **3030** Inside
Press@RunDepth: psig @ **2674.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2003.04.29** End Date: **2003.04.29** Last Calib.: **1899.12.30**
Start Time: **04:57:17** End Time: **08:41:13** Time On Btm: **2003.04.29 @ 06:55:43**
Time Off Btm: **2003.04.29 @ 07:03:13**

TEST COMMENT: **Packer failure (tryed to set twice)**

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1370.10	92.30	Initial Hydro-static
8	1369.40	92.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	100% mud	0.96

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc

1321 W 93rd North
Valley Center KS 67147

ATTN: Brad Rine

Collingwood "A" #1

27-31-31

Job Ticket: 16056

DST#: 1

Test Start: 2003.04.29 @ 04:57:13

Tool Information

Drill Pipe:	Length: 2433.00 ft	Diameter: 3.80 inches	Volume: 34.13 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: 20000.00 lb
Drill Collar:	Length: 181.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 49000.00 lb
		Total Volume:	35.02 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	2609.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	111.00 ft			
Tool Length:	133.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2588.00	
S.I. Tool	5.00			2593.00	
HMV	5.00			2598.00	
Safety Joint	2.00			2600.00	
Packer	5.00			2605.00	22.00 Bottom Of Top Packer
Packer	4.00			2609.00	
Stubb	1.00			2610.00	
Change Over Sub	1.00			2611.00	
Blank Spacing	62.00			2673.00	
Change Over Sub	1.00			2674.00	
Recorder	0.00	3030	Inside	2674.00	
Perforations	10.00			2684.00	
Recorder	0.00	11019	Outside	2684.00	
Change Over Sub	1.00			2685.00	
Blank Spacing	31.00			2716.00	
Change Over Sub	1.00			2717.00	
Bullnose	3.00			2720.00	111.00 Bottom Packers & Anchor
Total Tool Length:	133.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc
1321 W 93rd North
Valley Center KS 67147

ATTN: Brad Rine

Collingwood "A" #1
27-31-31
Job Ticket: 16056 **DST#: 1**
Test Start: 2003.04.29 @ 04:57:13

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 38.00 sec/qt
Water Loss: 6.18 in³
Resistivity: ohm.m
Salinity: 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
186.00	100% mud	0.960

Total Length: 186.00 ft Total Volume: 0.960 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

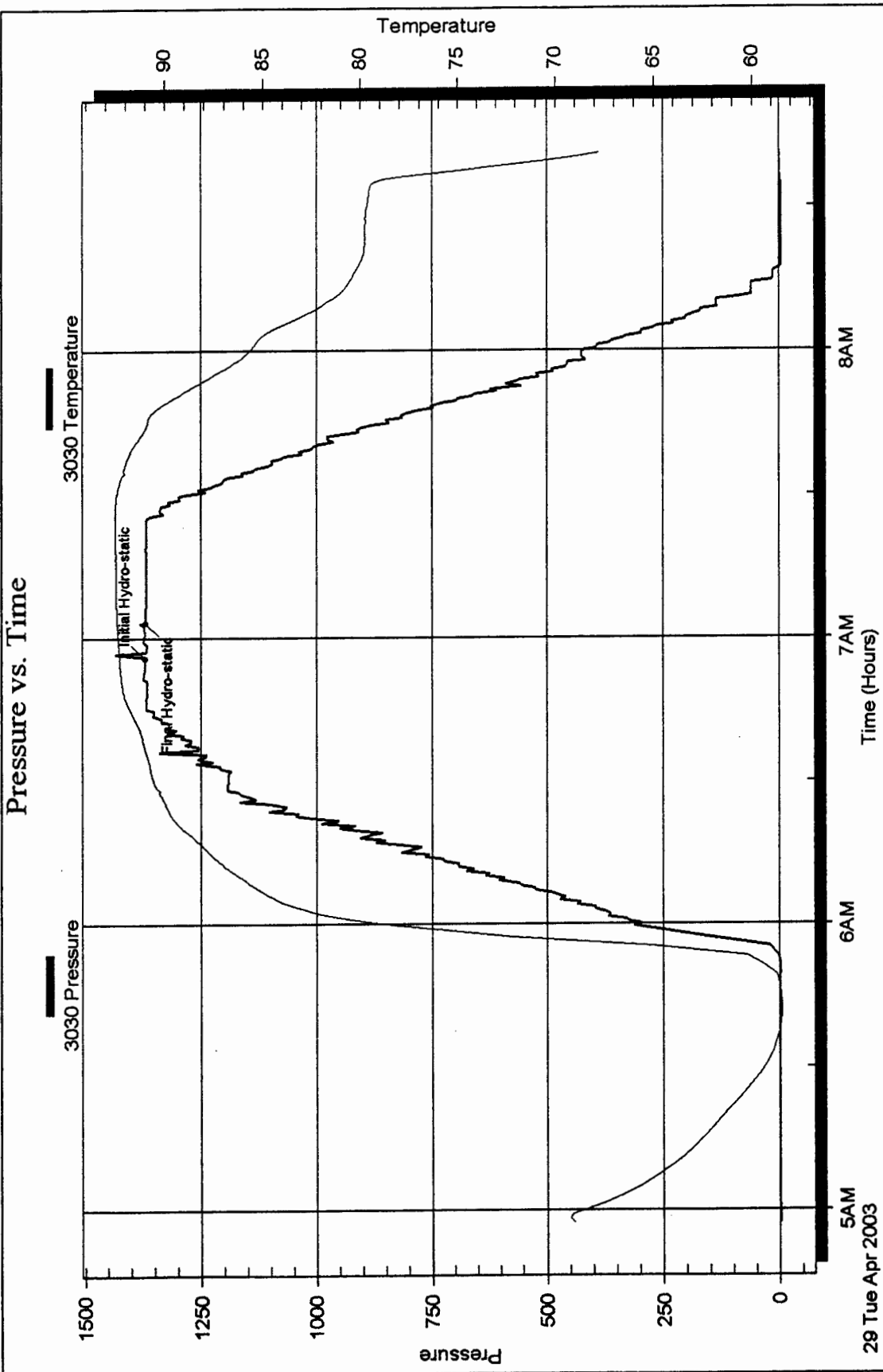
27-31-31

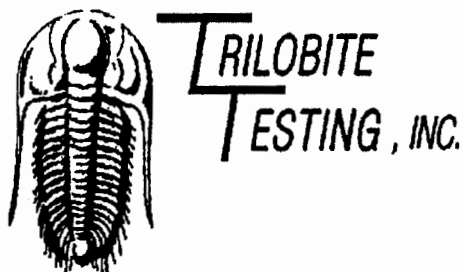
Daystar Petroleum Inc

Inside

Serial #: 3030

Pressure vs. Time





DRILL STEM TEST REPORT

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Prepared For: **Daystar Petroleum Inc**

1321 W 93rd North
Valley Center KS 67147

ATTN: Brad Rine

27-31-31

Collingwood "A" #1

Start Date: 2003.04.29 @ 09:00:31

End Date: 2003.04.29 @ 15:40:31

Job Ticket #: 16057 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

Daystar Petroleum Inc
1321 W 93rd North
Valley Center KS 67147
ATTN: Brad Rine

Collingwood "A" #1

27-31-31

Job Ticket: 16057

DST#: 2

Test Start: 2003.04.29 @ 09:00:31

GENERAL INFORMATION:

Formation: Krider

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:28:46

Time Test Ended: 15:40:31

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 20

Interval: 2705.00 ft (KB) To 2720.00 ft (KB) (TVD)

Total Depth: 2720.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2811.00 ft (KB)

2800.00 ft (CF)

KB to GRV/CF: 11.00 ft

Serial #: 3030

Inside

Press@RunDepth: 36.75 psig @ 2707.00 ft (KB)

Start Date: 2003.04.29

End Date: 2003.04.29

Start Time: 09:00:35

End Time: 15:40:30

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2003.04.29 @ 10:28:01

Time Off Btm: 2003.04.29 @ 13:59:46

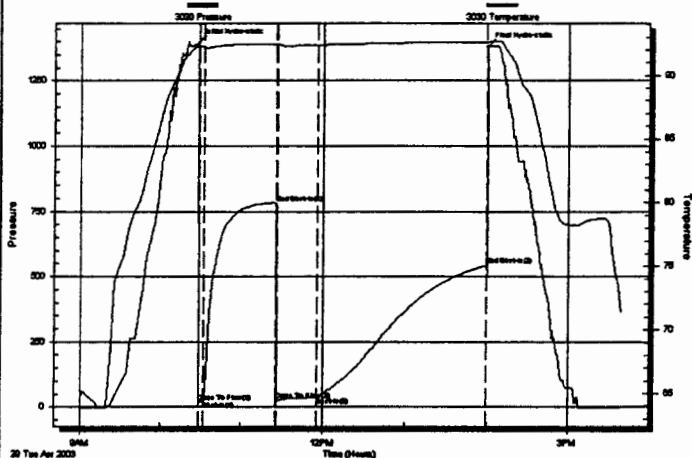
TEST COMMENT: F-weak blow built to 3/4 inch

IS-no blow back

FF-weak surface blow

FSI-no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1395.88	92.30	Initial Hydro-static
1	19.03	92.32	Open To Flow (1)
5	24.67	92.20	Shut-In (1)
58	782.86	92.47	End Shut-In (1)
59	25.79	92.46	Open To Flow (2)
89	36.75	92.39	Shut-In (2)
212	543.14	92.61	End Shut-In (2)
212	1381.42	92.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	10% G 30% W 60 % 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

Daystar Petroleum Inc

1321 W 93rd North
Valley Center KS 67147

ATTN: Brad Rine

Collingwood "A"#1

27-31-31

Job Ticket: 16057

DST#: 2

Test Start: 2003.04.29 @ 09:00:31

Tool Information

Drill Pipe:	Length: 2525.00 ft	Diameter: 3.80 inches	Volume: 35.42 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: 20000.00 lb
Drill Collar:	Length: 181.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 82000.00 lb
		Total Volume: 36.31 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	2705.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2684.00	
S.I. Tool	5.00			2689.00	
HMV	5.00			2694.00	
Safety Joint	2.00			2696.00	
Packer	5.00			2701.00	22.00 Bottom Of Top Packer
Packer	4.00			2705.00	
Stubb	1.00			2706.00	
Perforations	1.00			2707.00	
Recorder	0.00	3030	Inside	2707.00	
Perforations	10.00			2717.00	
Recorder	0.00	11019	Outside	2717.00	
Bullnose	3.00			2720.00	15.00 Bottom Packers & Anchor
Total Tool Length:		37.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc
1321 W 93rd North
Valley Center KS 67147

ATTN: Brad Fine

Collingwood "A" #1
27-31-31
Job Ticket: 16057 DST#: 2
Test Start: 2003.04.29 @ 09:00:31

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 38.00 sec/qt
Water Loss: 6.18 in³
Resistivity: ohm.m
Salinity: 4400.00 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: 41000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	10% G 30% W 60 % M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

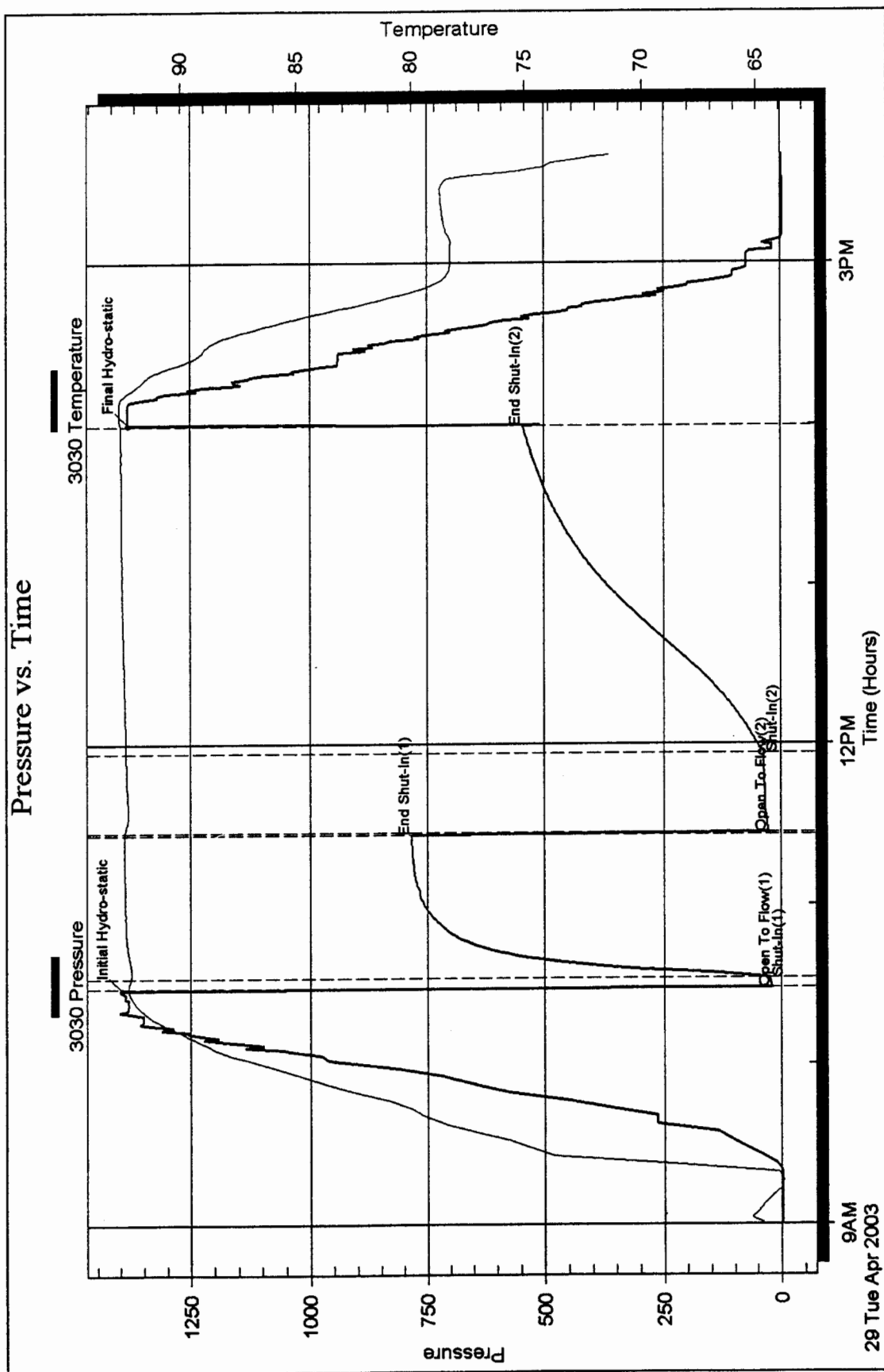
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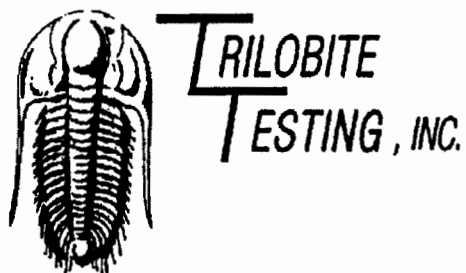
Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .104 @ 94 deg chlorides = 41000

Pressure vs. Time





DRILL STEM TEST REPORT

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Prepared For: **Daystar Petroleum Inc**

1321 W 93rd North
Valley Center KS 67147

ATTN: Brad Rine

27-31-31

Collingwood "A" #1

Start Date: 2003.04.30 @ 10:00:24

End Date: 2003.04.30 @ 18:18:24

Job Ticket #: 15846 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

Daystar Petroleum Inc

1321 W 93rd North
Valley Center KS 67147

ATTN: Brad Rine

Collingwood "A" #1

27-31-31

Job Ticket: 15846

DST#: 3

Test Start: 2003.04.30 @ 10:00:24

GENERAL INFORMATION:

Formation: Council Grove

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:57:09

Time Test Ended: 18:18:24

Test Type: Conventional Straddle

Tester: Scott Butcher

Unit No: 17

Interval: 3049.00 ft (KB) To 3057.00 ft (KB) (TVD)

Total Depth: 3075.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2811.00 ft (KB)

2800.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6672 Inside

Press@RunDepth: 494.10 psig @ 3050.00 ft (KB)

Start Date: 2003.04.30

End Date: 2003.04.30

Start Time: 10:00:26

End Time: 18:18:24

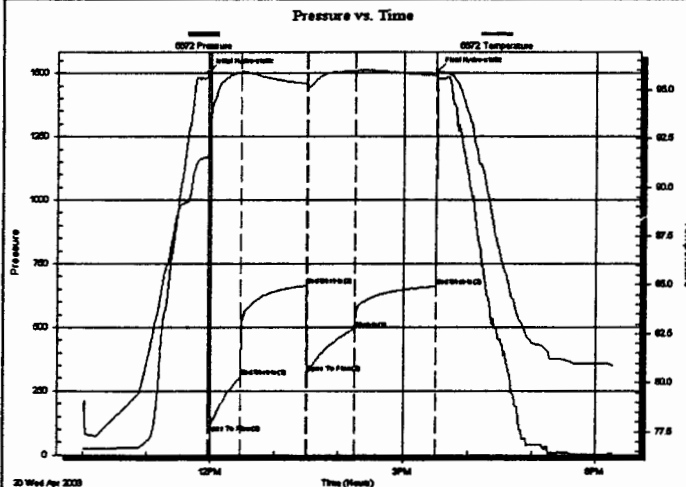
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2003.04.30 @ 11:56:54

Time Off Btm: 2003.04.30 @ 15:30:24

TEST COMMENT: IF - Strong blow Bob 4 min
ISI - No blow back
FF - Strong blow BOB 5 min
FSI - No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1505.24	91.66	Initial Hydro-static
1	84.46	91.47	Open To Flow (1)
32	306.98	95.87	End Shut-In(1)
93	663.78	95.32	End Shut-In(2)
94	319.30	95.21	Open To Flow (2)
138	494.10	95.96	Shut-In(1)
214	660.63	95.73	End Shut-In(3)
214	1509.23	96.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
445.00	5% Gas 90% Water 5% Mud	4.59
693.00	5% Gas 90% Water	9.72

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc

Collingwood "A" #1

1321 W 93rd North
Valley Center KS 67147

27-31-31

Job Ticket: 15846

DST#: 3

ATTN: Brad Rine

Test Start: 2003.04.30 @ 10:00:24

Tool Information

Drill Pipe:	Length: 2868.00 ft	Diameter: 3.80 inches	Volume: 40.23 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:	20000.00 lb
Drill Collar:	Length: 181.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	41.12 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3049.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	3055.00 ft				
Interval between Packers:	6.00 ft				
Tool Length:	55.00 ft				
Number of Packers:	3	Diameter:	6.34 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3023.00		
HYD S.I. Tool	5.00			3028.00		
HMV	5.00			3033.00		
Jars	5.00			3038.00		
Safety Joint	2.00			3040.00		
Packer	5.00			3045.00	27.00	Bottom Of Top Packer
Packer	4.00			3049.00		
Stubb	1.00			3050.00		
Recorder	0.00	6672	Inside	3050.00		
Perforations	3.00			3053.00		
Blank Spacing	1.00			3054.00		
Blank Off Sub	1.00			3055.00	6.00	Tool Interval
Packer	4.00			3059.00		
Stubb	1.00			3060.00		
Perforations	14.00			3074.00		
Recorder	0.00	13362	Inside	3074.00		
Bullnose	3.00			3077.00	22.00	Bottom Packers & Anchor
Total Tool Length:		55.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc
1321 W 93rd North
Valley Center KS 67147

Collingwood "A" #1

27-31-31

Job Ticket: 15846

DST #: 3

ATTN: Brad Rine

Test Start: 2003.04.30 @ 10:00:24

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 29.00 sec/qt
Water Loss: 8.28 in³
Resistivity: ohm.m
Salinity: 33000.00 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
445.00	5% Gas 90% Water 5% Mud	4.593
693.00	5% Gas 90% Water	9.721

Total Length: 1138.00 ft Total Volume: 14.314 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 3

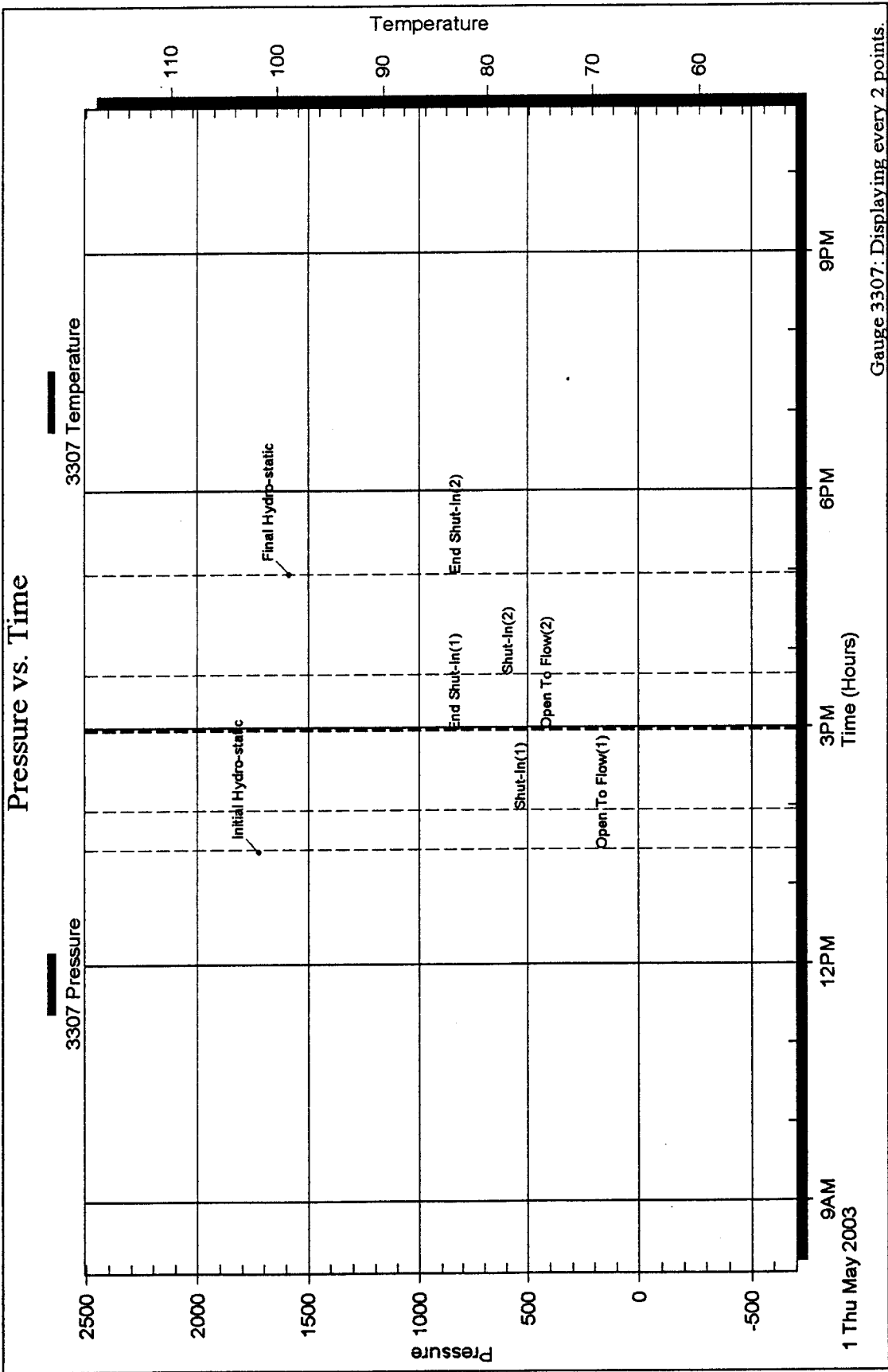
27-31-31

Daystar Petroleum Inc

Inside

Serial #: 6672

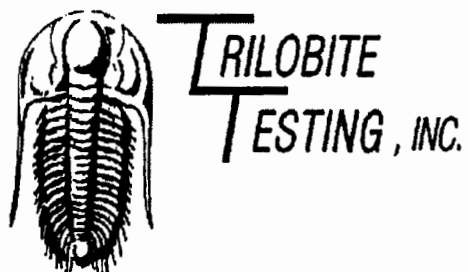
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 15846

Printed: 2003.05.13 @ 13:32:54 Page 5



DRILL STEM TEST REPORT

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Prepared For: **Daystar Petroleum Inc**

1321 W 93rd North
Valley Center KS 67147

ATTN: Brad Rine

27-31-31

Collingwood "A" #1

Start Date: 2003.05.01 @ 11:40:28

End Date: 2003.05.01 @ 19:15:28

Job Ticket #: 15847 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

Daystar Petroleum Inc

1321 W 93rd North
Valley Center KS 67147

ATTN: Brad Rine

Collingwood "A" #1

27-31-31

Job Ticket: 15847

DST #: 4

Test Start: 2003.05.01 @ 11:40:28

GENERAL INFORMATION:

Formation: **Upper Pennsylvania**

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

Time Tool Opened: 13:26:28

Time Test Ended: 19:15:28

Test Type: **Conventional Bottom Hole**

Tester: **Scott Butcher**

Unit No: **17**

Interval: **3397.00 ft (KB) To 3415.00 ft (KB) (TVD)**

Total Depth: **3415.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **2811.00 ft (KB)**

2800.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: **3307** Inside

Press@RunDepth: **554.67 psig @ 3402.00 ft (KB)**

Start Date: **2003.05.01**

End Date:

2003.05.01

Start Time: **11:40:29**

End Time:

19:15:28

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btrn: **2003.05.01 @ 13:24:58**

Time Off Btrn: **2003.05.01 @ 16:57:28**

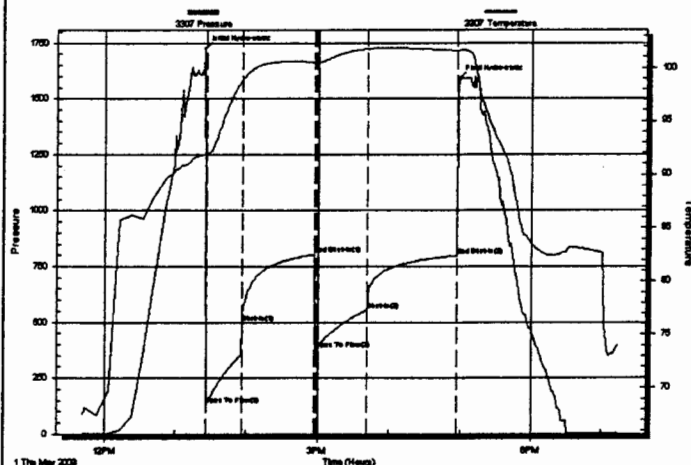
TEST COMMENT: **F - Strong blow BOB 2 min**

ISI - No blow back

FF - Strong blow BOB 5 min

FSI - No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1723.84	91.92	Initial Hydro-static
2	132.94	91.96	Open To Flow (1)
32	498.36	98.76	Shut-In (1)
92	804.01	100.51	End Shut-In (1)
94	379.78	100.54	Open To Flow (2)
136	554.67	101.76	Shut-In (2)
212	797.32	101.59	End Shut-In (2)
213	1585.54	101.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	5% Gas 5% mud 90% Water	3.11
648.00	5% Gas 95% Water	9.09

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc
1321 W 93rd North
Valley Center KS 67147
ATTN: Brad Rine

Collingwood "A" #1
27-31-31
Job Ticket: 15847 DST#: 4
Test Start: 2003.05.01 @ 11:40:28

Tool Information

Drill Pipe:	Length: 3267.00 ft	Diameter: 3.80 inches	Volume: 45.83 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: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 46.43 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3397.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3371.00	
S.I. Tool	5.00			3376.00	
HMV	5.00			3381.00	
Jars	5.00			3386.00	
Safety Joint	2.00			3388.00	
Packer	5.00			3393.00	27.00 Bottom Of Top Packer
Packer	4.00			3397.00	
Stubb	1.00			3398.00	
Perforations	4.00			3402.00	
Recorder	0.00	3307	Inside	3402.00	
Perforations	10.00			3412.00	
Recorder	0.00	13362	Inside	3412.00	
Bullnose	3.00			3415.00	18.00 Bottom Packers & Anchor

Total Tool Length: 45.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc

Collingwood "A" #1

1321 W 93rd North
Valley Center KS 67147

27-31-31

Job Ticket: 15847

DST #: 4

ATTN: Brad Rine

Test Start: 2003.05.01 @ 11:40:28

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: 30.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.27 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 20000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	5% Gas 5% mud 90% Water	3.106
648.00	5% Gas 95% Water	9.090

Total Length: 948.00 ft Total Volume: 12.196 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 3307

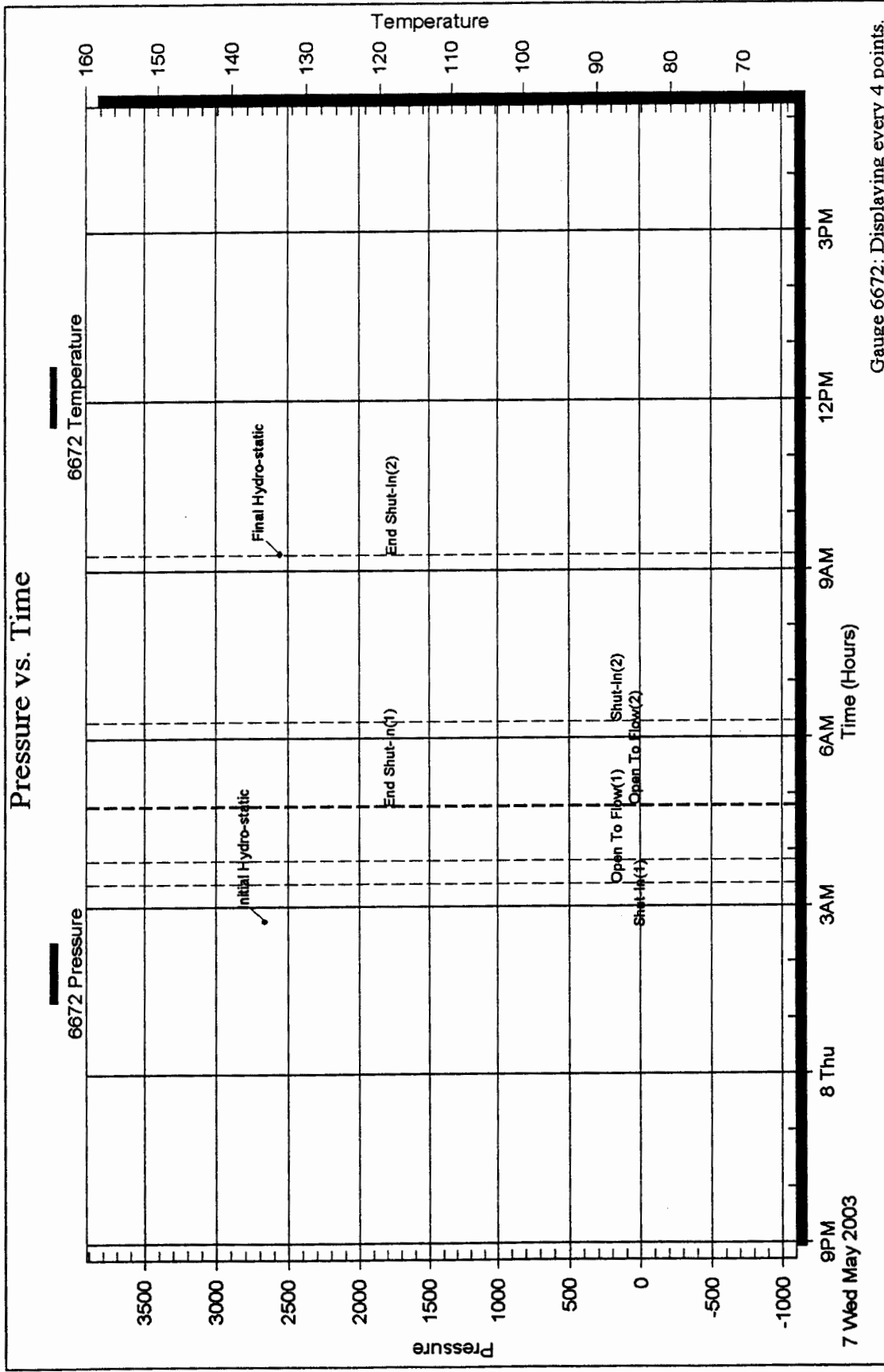
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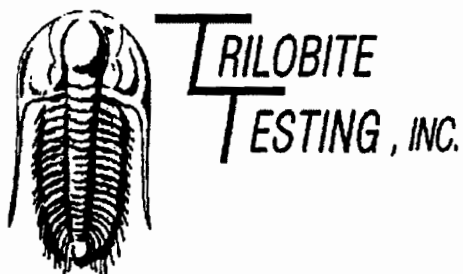
Daystar Petroleum Inc

27-31-31

DST Test Number: 4

Pressure vs. Time





DRILL STEM TEST REPORT

RECEIVED
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KCC WICHITA

Prepared For: **Daystar Petroleum Inc**

1321 W 93rd North
Valley Center KS 67147

ATTN: Brad Rine

27-31-31

Collingwood "A" #1

Start Date: 2003.05.05 @ 00:50:07

End Date: 2003.05.05 @ 08:45:49

Job Ticket #: 15848

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

Daystar Petroleum Inc

1321 W 93rd North
Valley Center KS 67147

ATTN: Brad Rine

Collingwood "A" #1

27-31-31

Job Ticket: 15848

DST#: 5

Test Start: 2003.05.05 @ 00:50:07

GENERAL INFORMATION:

Formation: **Pawnee**

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

Time Tool Opened: 03:04:49

Time Test Ended: 08:45:49

Test Type: **Conventional Bottom Hole**

Tester: **Scott Butcher**

Unit No: **17**

Interval: **5063.00 ft (KB) To 5120.00 ft (KB) (TVD)**

Total Depth: **5120.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **2811.00 ft (KB)**

2800.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: **6672**

Inside

Press@RunDepth: **74.69 psig @ 5068.00 ft (KB)**

Start Date: **2003.05.05**

End Date:

2003.05.05

Start Time: **00:52:21**

End Time:

08:45:49

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btmr: **2003.05.05 @ 03:04:34**

Time Off Btmr: **2003.05.05 @ 06:01:34**

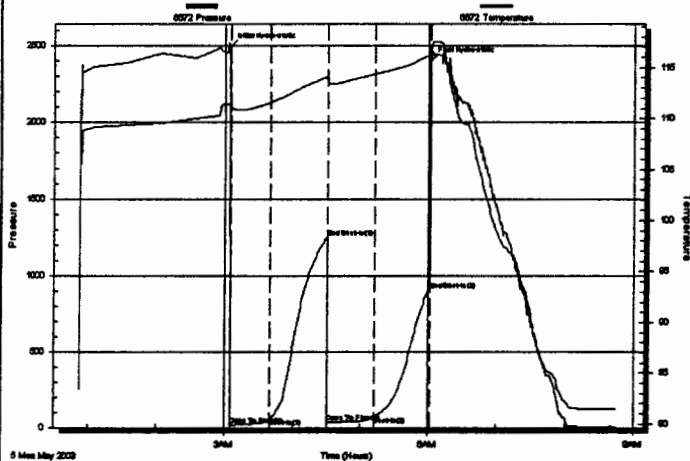
TEST COMMENT: **F - Weak blow .5 inch**

ISI - No blow back

FF - No blow

FSI - No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2497.84	111.50	Initial Hydro-static
1	16.35	110.69	Open To Flow (1)
36	61.97	111.63	Shut-In(1)
86	1248.41	114.08	End Shut-In(1)
86	35.32	113.71	Open To Flow (2)
128	74.69	114.37	Shut-In(2)
177	906.03	116.20	End Shut-In(2)
178	2402.46	116.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% Mud	0.30

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc

1321 W 93rd North
Valley Center KS 67147

ATTN: Brad Rine

Collingwood "A" #1

27-31-31

Job Ticket: 15848

DST #: 5

Test Start: 2003.05.05 @ 00:50:07

Tool Information

Drill Pipe:	Length: 4883.00 ft	Diameter: 3.80 inches	Volume: 68.50 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: 20000.00 lb
Drill Collar:	Length: 181.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 74000.00 lb
		Total Volume: 69.39 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	5063.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5037.00	
S.I. Tool	5.00			5042.00	
HMV	5.00			5047.00	
Jars	5.00			5052.00	
Safety Joint	2.00			5054.00	
Packer	5.00			5059.00	27.00 Bottom Of Top Packer
Packer	4.00			5063.00	
Stubb	1.00			5064.00	
Perforations	3.00			5067.00	
C.O. Sub	1.00			5068.00	
Recorder	0.00	6672	Inside	5068.00	
Blank Spacing	30.00			5098.00	
C.O. Sub	1.00			5099.00	
Perforations	18.00			5117.00	
Recorder	0.00	13362	Inside	5117.00	
Bullnose	3.00			5120.00	57.00 Bottom Packers & Anchor
Total Tool Length:	84.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc
1321 W 93rd North
Valley Center KS 67147
ATTN: Brad Rine

Collingwood "A" #1
27-31-31
Job Ticket: 15848 DST#: 5
Test Start: 2003.05.05 @ 00:50:07

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 45.00 sec/qt
Water Loss: 7.99 in³
Resistivity: ohm.m
Salinity: 3500.00 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
60.00	100% Mud	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 5

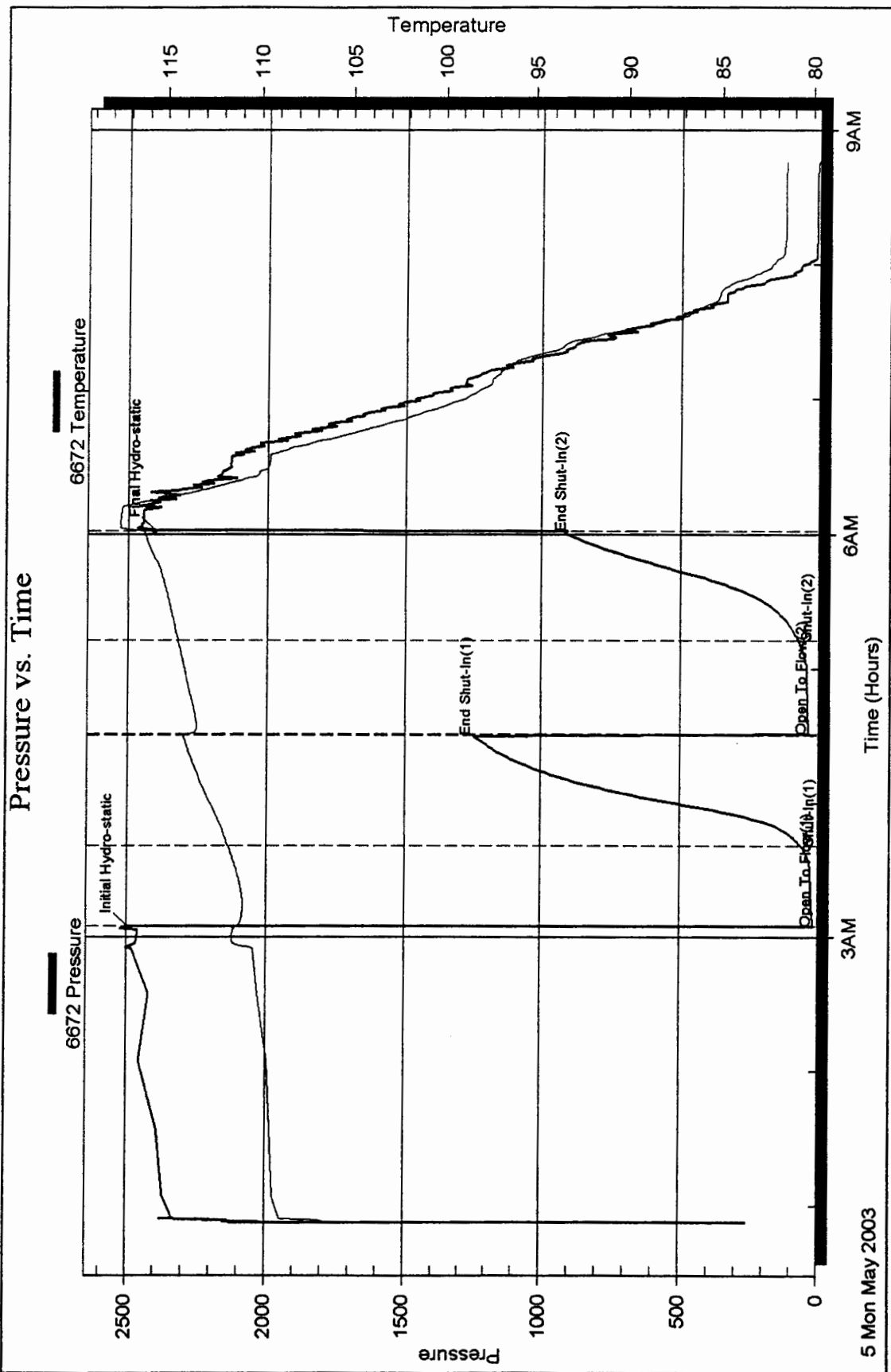
27-31-31

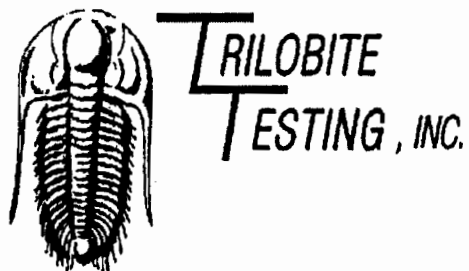
Daystar Petroleum Inc

Inside

Serial #: 6672

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc**

1321 W 93rd North
Valley Center KS 67147

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ATTN: Brad Rine

27-31-31

Collingwood "A" #1

Start Date: 2003.05.08 @ 01:40:06

End Date: 2003.05.08 @ 12:14:44

Job Ticket #: 15849

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

Daystar Petroleum Inc
1321 W 93rd North
Valley Center KS 67147
ATTN: Brad Rine

Collingwood "A" #1

27-31-31

Job Ticket: 15849

DST #: 6

Test Start: 2003.05.08 @ 01:40:06

GENERAL INFORMATION:

Formation: **Morrow**

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

Time Tool Opened: 03:24:14

Time Test Ended: 12:14:44

Test Type: **Conventional Bottom Hole**

Tester: **Scott Butcher**

Unit No: **17**

Interval: **5420.00 ft (KB) To 5502.00 ft (KB) (TVD)**

Total Depth: **5502.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **2811.00 ft (KB)**

2800.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: **6672**

Inside

Press@RunDepth: **108.74 psig @ 5488.00 ft (KB)**

Start Date: **2003.05.08**

End Date:

2003.05.08

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **01:42:16**

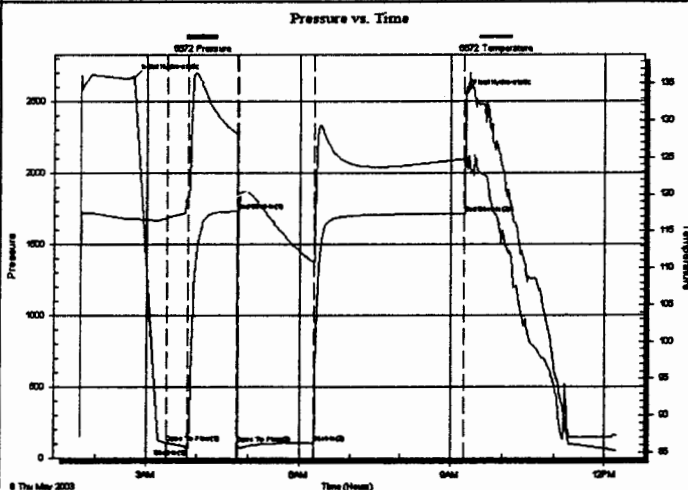
End Time:

12:14:44

Time On Btm: **2003.05.08 @ 02:44:14**

Time Off Btm: **2003.05.08 @ 09:17:14**

TEST COMMENT: **F - Strong blow BOB 30 seconds**
ISI - Gas to surface 3 min, No blow back
FF - Strong blow BOB tool open
FSI - No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2663.73	116.69	Initial Hydro-static
40	106.89	116.80	Open To Flow (1)
65	66.22	119.66	Shut-In (1)
122	1729.21	128.27	End Shut-In (1)
124	96.99	116.27	Open To Flow (2)
213	108.74	110.72	Shut-In (2)
392	1712.78	124.79	End Shut-In (2)
393	2554.11	125.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	10% Gas 90% Mud Trace Water (Filtrate)	0.30
60.00	10% Gas 90% Mud	0.30

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	15.00	107.70
Last Gas Rate	0.38	26.00	147.99
Max. Gas Rate	0.38	26.00	147.99



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc
1321 W 93rd North
Valley Center KS 67147
ATTN: Brad Rine

Collingwood "A" #1

27-31-31

Job Ticket: 15849

DST#: 6

Test Start: 2003.05.08 @ 01:40:06

Tool Information

Drill Pipe:	Length: 5235.00 ft	Diameter: 3.80 inches	Volume: 73.43 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: 20000.00 lb
Drill Collar:	Length: 181.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 84000.00 lb
		Total Volume:	74.32 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	5420.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	109.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5394.00	
S.L. Tool	5.00			5399.00	
HMV	5.00			5404.00	
Jars	5.00			5409.00	
Safety Joint	2.00			5411.00	
Packer	5.00			5416.00	27.00 Bottom Of Top Packer
Packer	4.00			5420.00	
Stubb	1.00			5421.00	
Perforations	3.00			5424.00	
C.O. Sub	1.00			5425.00	
Blank Spacing	63.00			5488.00	
Recorder	0.00	6672	Inside	5488.00	
C.O. Sub	1.00			5489.00	
Perforations	10.00			5499.00	
Recorder	0.00	13362	Outside	5499.00	
Bullnose	3.00			5502.00	82.00 Bottom Packers & Anchor
Total Tool Length:	109.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc

Collingwood "A" #1

1321 W 93rd North
Valley Center KS 67147

27-31-31

Job Ticket: 15849

DST#: 6

ATTN: Brad Rine

Test Start: 2003.05.08 @ 01:40:06

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	10% Gas 90% Mud Trace Water (Filtrate)	0.295
60.00	10% Gas 90% Mud	0.295

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

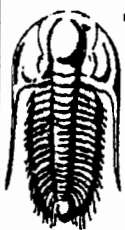
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Daystar Petroleum Inc

Collingwood "A" #1

1321 W 93rd North
Valley Center KS 67147

27-31-31

Job Ticket: 15849

DST#: 6

ATTN: Brad Rine

Test Start: 2003.05.08 @ 01:40:06

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	10	0.38	15.00	107.70
2	20	0.38	19.00	122.35
2	30	0.38	21.00	129.68
2	40	0.38	22.00	133.34
2	50	0.38	23.00	137.00
2	60	0.38	24.00	140.67
2	70	0.38	25.00	144.33
2	80	0.38	25.00	144.33
2	90	0.38	26.00	147.99

Serial #: 6672

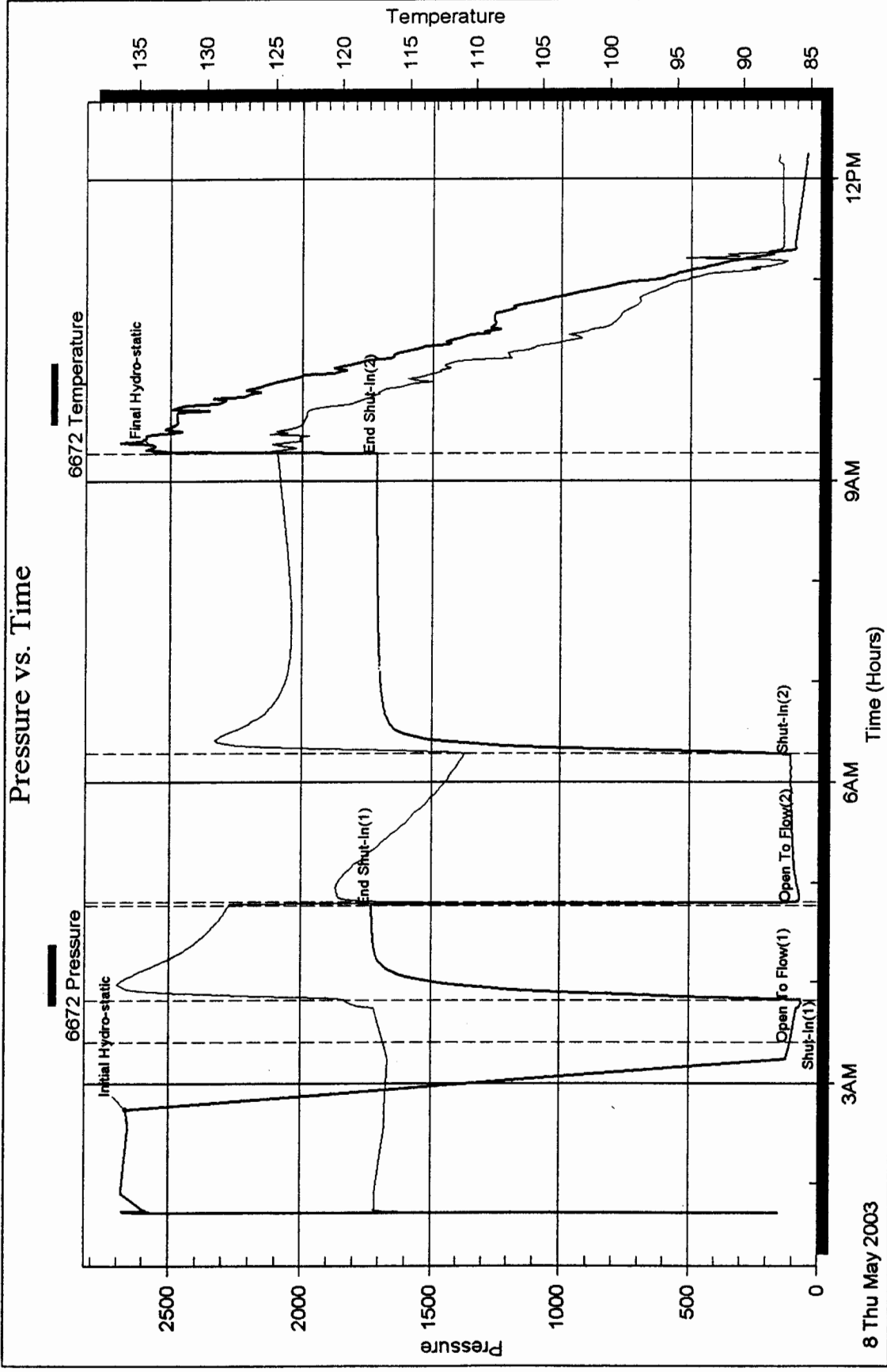
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Daystar Petroleum Inc

27-31-31

DST Test Number: 6

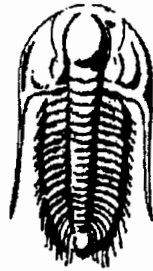
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 15849

Printed: 2003.05.13 @ 13:37:47 Page 6



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc**

1321 W 93rd North
Valley Center KS 67147

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ATTN: Brad Rine

27-31-31

Collingwood "A" #1

Start Date: 2003.05.10 @ 06:18:27

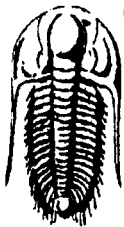
End Date: 2003.05.10 @ 16:35:32

Job Ticket #: 15850 DST #: 7

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Daystar Petroleum Inc
1321 W 93rd North
Valley Center KS 67147
ATTN: Brad Rine

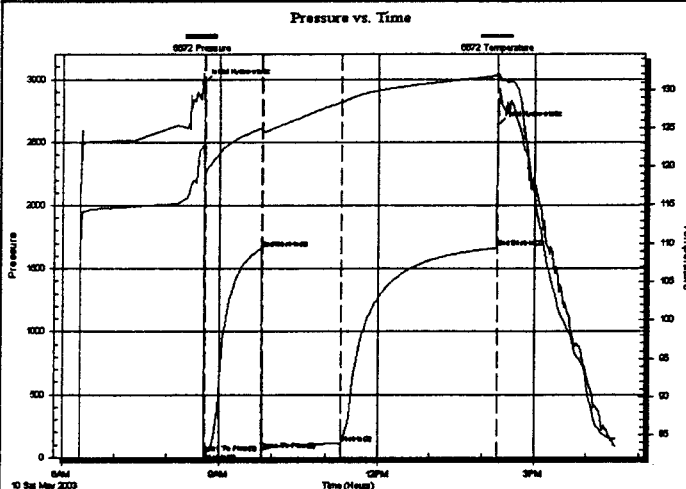
Collingwood "A" #1
27-31-31
Job Ticket: 15850 DST#: 7
Test Start: 2003.05.10 @ 06:18:27

GENERAL INFORMATION:

Formation: **Miss (St. Louis)**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 08:42:48
Time Test Ended: 16:35:32
Test Type: **Conventional Bottom Hole**
Tester: **Scott**
Unit No: **Butcher**
Interval: **5799.00 ft (KB) To 5854.00 ft (KB) (TVD)**
Reference Elevations: **2811.00 ft (KB)**
Total Depth: **5854.00 ft (KB) (TVD)**
2800.00 ft (CF)
Hole Diameter: **7.78 inches** Hole Condition: **Good**
KB to GR/CF: **11.00 ft**

Serial #: **6672** Inside
Press@RunDepth: **114.72 psig @ 5835.00 ft (KB)**
Capacity: **7000.00 psig**
Start Date: **2003.05.10** End Date: **2003.05.10** Last Calib.: **1899.12.30**
Start Time: **06:20:35** End Time: **16:35:33** Time On Btm: **2003.05.10 @ 08:42:33**
Time Off Btm: **2003.05.10 @ 14:17:48**

TEST COMMENT: **F - Weak blow 3 inches**
ISI - No blow back
FF - Strong blow BOB 70 min
FSI - No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2973.35	120.30	Initial Hydro-static
1	35.29	119.25	Open To Flow (1)
1	33.85	119.02	Shut-In (1)
65	1658.68	124.97	End Shut-In (1)
66	59.15	124.45	Open To Flow (2)
155	114.72	128.34	Shut-In (2)
335	1664.95	131.81	End Shut-In (2)
336	2635.39	132.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	5% Gas 5% Oil 90% Mud	0.15
120.00	5% Gas 10% Oil 85% Mud	0.59
60.00	5% Gas 5% Water 90% Mud	0.56

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc

1321 W 93rd North
Valley Center KS 67147

ATTN: Brad Rine

Collingwood "A" #1

27-31-31

Job Ticket: 15850

DST #: 7

Test Start: 2003.05.10 @ 06:18:27

Tool Information

Drill Pipe:	Length: 5616.00 ft	Diameter: 3.80 inches	Volume: 78.78 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: 20000.00 lb
Drill Collar:	Length: 181.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 88000.00 lb
		Total Volume: 79.67 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	5799.00 ft			Final 83000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	82.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5773.00	
S.I. Tool	5.00			5778.00	
HMV	5.00			5783.00	
Jars	5.00			5788.00	
Safety Joint	2.00			5790.00	
Packer	5.00			5795.00	27.00 Bottom Of Top Packer
Packer	4.00			5799.00	
Stubb	1.00			5800.00	
Perforations	3.00			5803.00	
C.O. Sub	1.00			5804.00	
Blank Spacing	31.00			5835.00	
Recorder	0.00	6672	Inside	5835.00	
C.O. Sub	1.00			5836.00	
Perforations	15.00			5851.00	
Recorder	0.00	13362	Inside	5851.00	
Bullnose	3.00			5854.00	55.00 Bottom Packers & Anchor
Total Tool Length:	82.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc

Collingwood "A" #1

1321 W 93rd North
Valley Center KS 67147

27-31-31

Job Ticket: 15850

DST#: 7

ATTN: Brad Rine

Test Start: 2003.05.10 @ 06:18:27

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:

ppm

Viscosity: 13.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	5% Gas 5% oil 90% Mud	0.148
120.00	5% Gas 10% Oil 85% Mud	0.590
60.00	5% Gas 5% Water 90% Mud	0.559

Total Length: 210.00 ft

Total Volume: 1.297 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

