

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Day Star Petroleum**

PO Box 360
Valley Center KS 67147

ATTN: Brad Rine

24 31 31Seward KS

Unruh "B" 4-24

Start Date: 2007.06.29 @ 00:00:16

End Date: 2007.06.29 @ 11:56:46

Job Ticket #: 27323 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

Day Star Petroleum
PO Box 360
Valley Center KS 67147
ATTN: Brad Rine

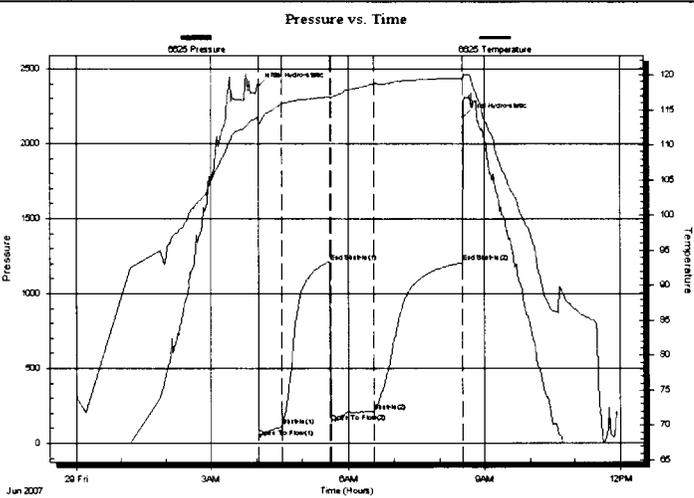
Unruh "B" 4-24
24 31 31 Seward KS
Job Ticket: 27323 **DST#: 1**
Test Start: 2007.06.29 @ 00:00:16

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:02:46
Time Test Ended: 11:56:46
Interval: **4934.00 ft (KB) To 5012.00 ft (KB) (TVD)**
Total Depth: 5012.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Delton Brown
Unit No: 20
Reference Elevations: 2801.00 ft (KB)
2790.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6625 Inside
Press@RunDepth: 210.83 psig @ 4937.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2007.06.29 End Date: 2007.06.29 Last Calib.: 1899.12.30
Start Time: 00:00:17 End Time: 11:56:46 Time On Btm: 2007.06.29 @ 04:02:16
Time Off Btm: 2007.06.29 @ 08:31:31

TEST COMMENT: IF Strong blow BOB 7 min.
ISI No return blow
FF Strong blow BOB 7 min.
FSI No return blow



PRESSURE SUMMARY

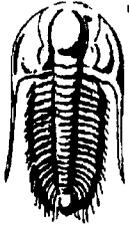
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2385.53 | 113.95 | Initial Hydro-static |
| 1 | 40.49 | 113.17 | Open To Flow (1) |
| 31 | 117.66 | 115.97 | Shut-in(1) |
| 94 | 1214.29 | 116.85 | End Shut-in(1) |
| 95 | 138.18 | 116.66 | Open To Flow(2) |
| 152 | 210.83 | 118.73 | Shut-in(2) |
| 269 | 1209.30 | 119.50 | End Shut-in(2) |
| 270 | 2178.10 | 120.16 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------|--------------|
| 81.00 | OM spot O100%M | 0.40 |
| 62.00 | GOcMW 32%G 8%O 28%W 32%M | 0.30 |
| 62.00 | GOcM 4%G 2%O 60%M | 0.30 |
| 61.00 | GOcM 38%G 2%O 60%M | 0.30 |
| 122.00 | OcVM 6%G 2%O 20%W 72%M | 0.78 |

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Day Star Petroleum
PO Box 360
Valley Center KS 67147
ATTN: Brad Rine

Unruh "B" 4-24
24 31 31 Seward KS
Job Ticket: 27323 **DST#: 1**
Test Start: 2007.06.29 @ 00:00:16

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4565.00 ft | Diameter: 3.80 inches | Volume: 64.03 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 368.00 ft | Diameter: 2.25 inches | Volume: 1.81 bbl | Weight to Pull Loose: 98000.00 lb |
| | | | <u>Total Volume: 65.84 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 26.00 ft | | | String Weight: Initial 84000.00 lb |
| Depth to Top Packer: | 4934.00 ft | | | Final 90000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 78.00 ft | | | |
| Tool Length: | 105.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|---------------|------------|----------|------------|------------------------------------|
| Change Over Sub | 1.00 | | | 4908.00 | |
| Shut In Tool | 5.00 | | | 4913.00 | |
| Hydraulic tool | 5.00 | | | 4918.00 | |
| Jars | 5.00 | | | 4923.00 | |
| Safety Joint | 2.00 | | | 4925.00 | |
| Packer | 5.00 | | | 4930.00 | 27.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4934.00 | |
| Stubb | 1.00 | | | 4935.00 | |
| Perforations | 2.00 | | | 4937.00 | |
| Recorder | 0.00 | 6625 | Inside | 4937.00 | |
| Change Over Sub | 1.00 | | | 4938.00 | |
| Drill Pipe | 60.00 | | | 4998.00 | |
| Change Over Sub | 1.00 | | | 4999.00 | |
| Perforations | 10.00 | | | 5009.00 | |
| Recorder | 0.00 | 13761 | Inside | 5009.00 | |
| Bullnose | 3.00 | | | 5012.00 | 78.00 Bottom Packers & Anchor |
| Total Tool Length: | 105.00 | | | | |



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Day Star Petroleum
PO Box 360
Valley Center KS 67147
ATTN: Brad Rine

Unruh "B" 4-24
24 31 31 Seward KS
Job Ticket: 27323 **DST#: 1**
Test Start: 2007.06.29 @ 00:00:16

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: 73000 ppm | |
| Viscosity: 55.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.93 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 1800.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------------|---------------|
| 81.00 | OM spot O100%M | 0.398 |
| 62.00 | GOcMW 32%G 8%O 28%W 32%M | 0.305 |
| 62.00 | GOcM 4%G 2%O 60%M | 0.305 |
| 61.00 | GOcM 38%G 2%O 60%M | 0.300 |
| 122.00 | OcWM 6%G 2%O 20%W 72%M | 0.782 |

Total Length: 388.00 ft Total Volume: 2.090 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW=.125@65F=73000ppm

Serial #: 6625

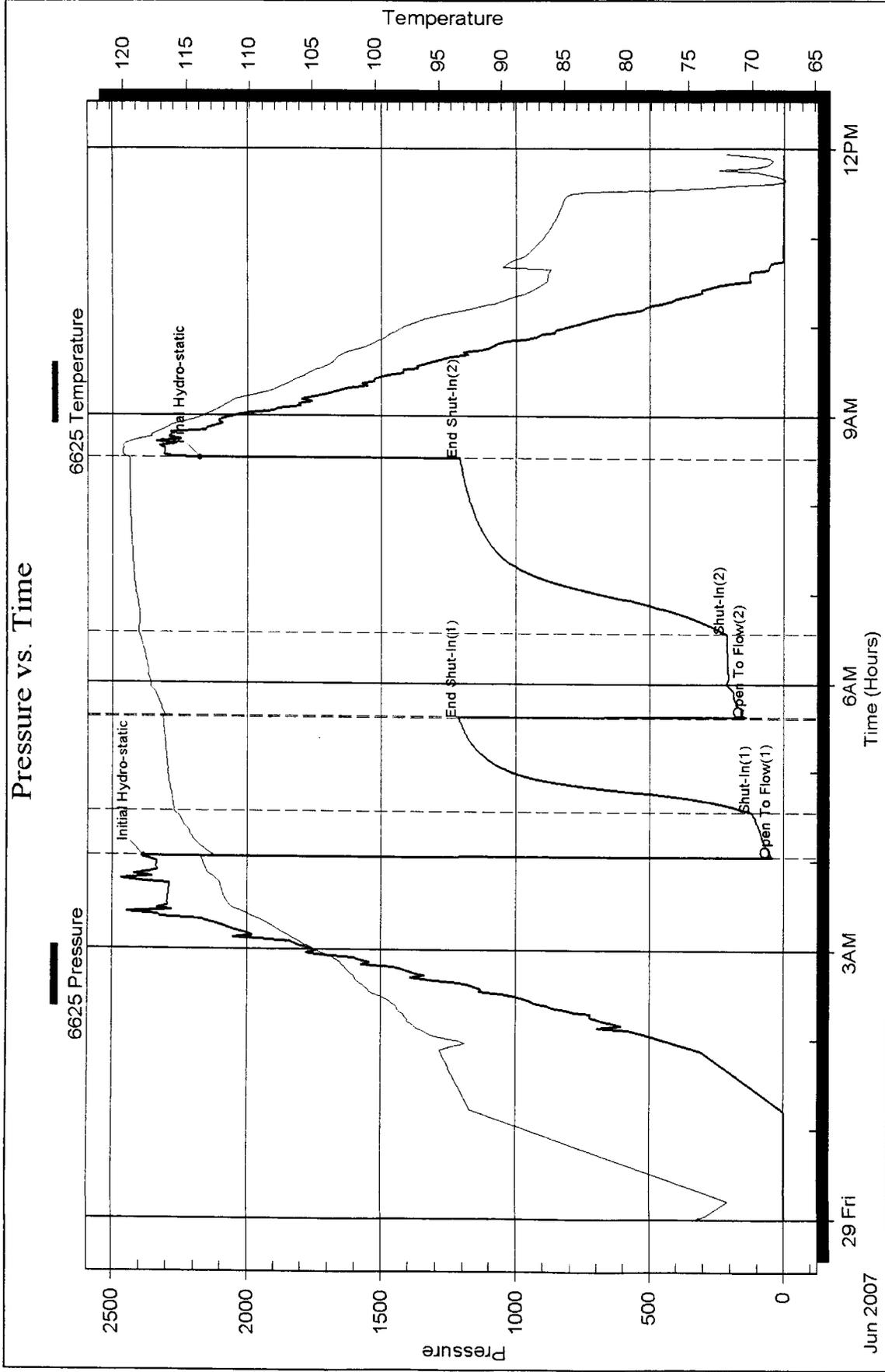
Inside

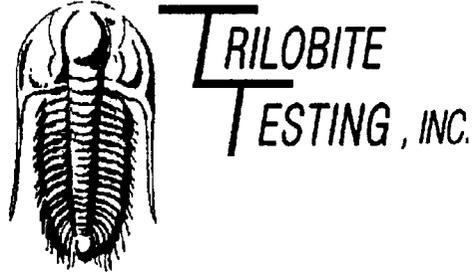
Day Star Petroleum

24 31 31 Seward KS

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Day Star Petroleum**

PO Box 360
Valley Center KS 67147

ATTN: Brad Rine

24 31 31Seward KS

Unruh "B" 4-24

Start Date: 2007.06.30 @ 02:23:26

End Date: 2007.06.30 @ 13:14:41

Job Ticket #: 27324 DST #: 2

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

Day Star Petroleum
PO Box 360
Valley Center KS 67147
ATTN: Brad Rine

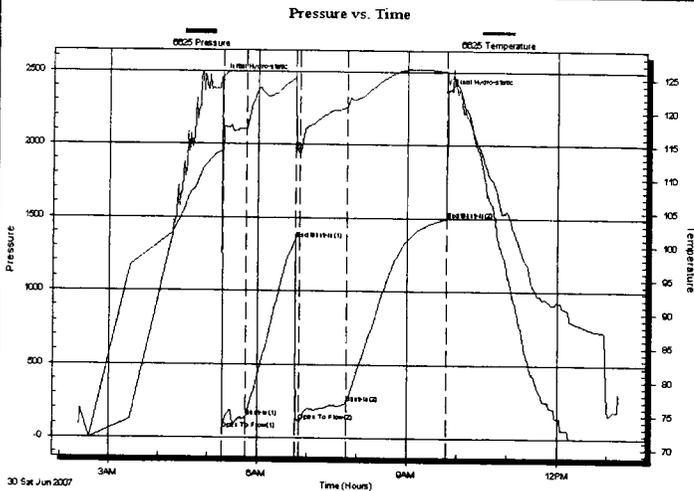
Unruh "B" 4-24
24 31 31 Seward KS
Job Ticket: 27324 **DST#: 2**
Test Start: 2007.06.30 @ 02:23:26

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:17:41
Time Test Ended: 13:14:41
Interval: **5057.00 ft (KB) To 5103.00 ft (KB) (TVD)**
Total Depth: 5103.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Delton Brown
Unit No: 28
Reference Elevations: 2801.00 ft (KB)
2790.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6625 **Inside**
Press@RunDepth: 233.36 psig @ 5058.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2007.06.30 End Date: 2007.06.30 Last Calib.: 1899.12.30
Start Time: 02:23:27 End Time: 13:14:41 Time On Btm: 2007.06.30 @ 05:17:11
Time Off Btm: 2007.06.30 @ 09:47:41

TEST COMMENT: IF Strong blow BOB 8 min.
ISI No return blow
FF Strong blow BOB 30 sec. GTS 5 min.
FSI



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2450.46 | 114.21 | Initial Hydro-static |
| 1 | 51.77 | 112.38 | Open To Flow (1) |
| 30 | 137.98 | 117.52 | Shut-In (1) |
| 89 | 1346.40 | 124.95 | End Shut-In (1) |
| 94 | 109.07 | 113.62 | Open To Flow (2) |
| 150 | 233.36 | 120.66 | Shut-In (2) |
| 270 | 1493.14 | 126.06 | End Shut-In (2) |
| 271 | 2361.29 | 125.62 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------------|--------------|
| 41.00 | GOCM 38%G 12%O 50%M | 0.20 |
| 31.00 | GMO 6%G 70%O 8%W 16%M | 0.15 |
| 310.00 | GMO 10%G 70%O 4%W 16%M | 1.65 |
| 31.00 | GMO 28%G 54%O 8%W 10%M | 0.43 |
| 62.00 | GMO 70%G 15%O 15%M | 0.87 |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.13 | 7.50 | 8.20 |
| Last Gas Rate | | | |
| Max. Gas Rate | 0.13 | 16.00 | 11.38 |



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Day Star Petroleum
PO Box 360
Valley Center KS 67147
ATTN: Brad Rine

Unruh "B" 4-24
24 31 31 Seward KS
Job Ticket: 27324 **DST#: 2**
Test Start: 2007.06.30 @ 02:23:26

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|-----------------------------------|
| Drill Pipe: | Length: 4686.00 ft | Diameter: 3.80 inches | Volume: 65.73 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 368.00 ft | Diameter: 2.25 inches | Volume: 1.81 bbl | Weight to Pull Loose: lb |
| | | | <u>Total Volume: 67.54 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 24.00 ft | | | String Weight: Initial lb |
| Depth to Top Packer: | 5057.00 ft | | | Final lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 46.00 ft | | | |
| Tool Length: | 73.00 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 | | | 5031.00 | |
| Shut In Tool | 5.00 | | | 5036.00 | |
| Hydraulic tool | 5.00 | | | 5041.00 | |
| Jars | 5.00 | | | 5046.00 | |
| Safety Joint | 2.00 | | | 5048.00 | |
| Packer | 5.00 | | | 5053.00 | 27.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 5057.00 | |
| Stubb | 1.00 | | | 5058.00 | |
| Recorder | 0.00 | 6625 | Inside | 5058.00 | |
| Change Over Sub | 1.00 | | | 5059.00 | |
| Drill Pipe | 31.00 | | | 5090.00 | |
| Change Over Sub | 1.00 | | | 5091.00 | |
| Perforations | 9.00 | | | 5100.00 | |
| Recorder | 0.00 | 13761 | Inside | 5100.00 | |
| Bullnose | 3.00 | | | 5103.00 | 46.00 Bottom Packers & Anchor |
| Total Tool Length: | 73.00 | | | | |



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DRILL STEM TEST REPORT

FLUID SUMMARY

Day Star Petroleum

Unruh "B" 4-24

PO Box 360
Valley Center KS 67147

24 31 31 Seward KS

Job Ticket: 27324

DST#: 2

ATTN: Brad Rine

Test Start: 2007.06.30 @ 02:23:26

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|------------------------|----------------|
| 41.00 | GOcM 38%G 12%O 50%M | 0.202 |
| 31.00 | GMO 6%G 70%O 8%W 16%M | 0.152 |
| 310.00 | GMO 10%G 70%O 4%W 16%M | 1.652 |
| 31.00 | GMO 28%G 54%O 8%W 10%M | 0.435 |
| 62.00 | GMO 70%G 15%O 15%M | 0.870 |

Total Length: 475.00 ft Total Volume: 3.311 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity=40API@90F=37API



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Day Star Petroleum
PO Box 360
Valley Center KS 67147

Unruh "B" 4-24

24 31 31 Seward KS

Job Ticket: 27324

DST#: 2

ATTN: Brad Rine

Test Start: 2007.06.30 @ 02:23:26

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 | 0.13 | 7.50 | 8.20 |
| 2 | 20 | 0.13 | 9.00 | 8.76 |
| 2 | 30 | 0.13 | 11.00 | 9.51 |
| 2 | 40 | 0.13 | 13.00 | 10.26 |
| 2 | 50 | 0.13 | 15.00 | 11.00 |
| 2 | 60 | 0.13 | 16.00 | 11.38 |
| 0 | - | -999999.00 | -999999.00 | -999999.00 |

Serial #: 6625

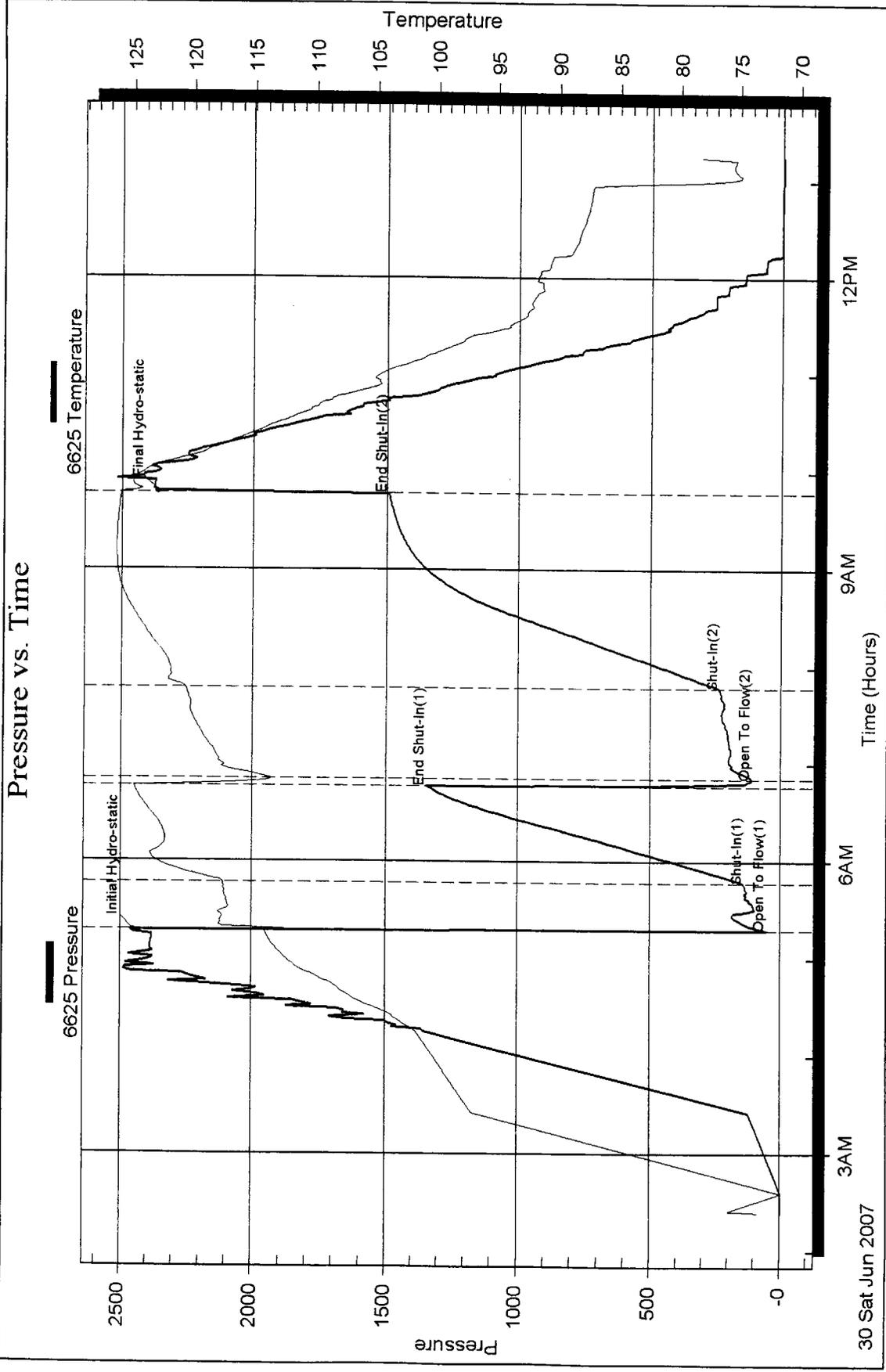
Inside

Day Star Petroleum

24 31 31 Sew ard KS

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Day Star Petroleum**

PO Box 360
Valley Center KS 67147

ATTN: Brad Rine

24 31 31 Seward KS

Unruh "B" 4-24

Start Date: 2007.07.02 @ 05:48:20

End Date: 2007.07.02 @ 17:31:35

Job Ticket #: 27325 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

Day Star Petroleum
 PO Box 360
 Valley Center KS 67147
 ATTN: Brad Rine

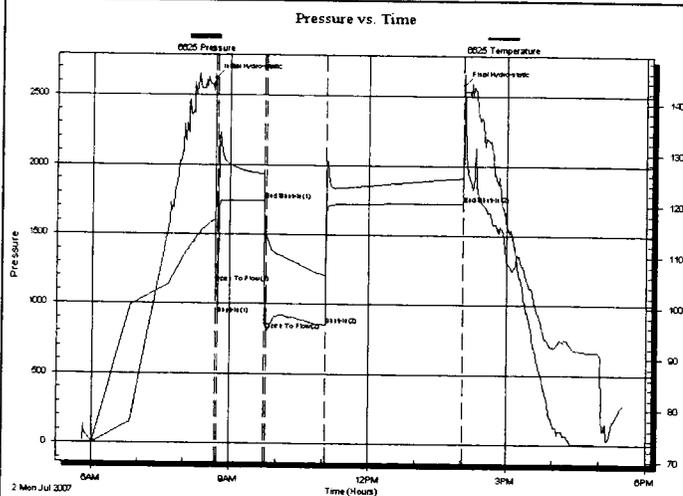
Unruh "B" 4-24
24 31 31 Seward KS
 Job Ticket: 27325 **DST#: 3**
 Test Start: 2007.07.02 @ 05:48:20

GENERAL INFORMATION:

Formation: **Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:40:35
 Time Test Ended: 17:31:35
 Interval: **5396.00 ft (KB) To 5510.00 ft (KB) (TVD)**
 Total Depth: 5510.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Delton Brown
 Unit No: 28
 Reference Elevations: 2801.00 ft (KB)
 2790.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6625 **Inside**
 Press@RunDepth: 852.12 psig @ 5397.00 ft (KB)
 Start Date: 2007.07.02 End Date: 2007.07.02
 Start Time: 05:48:21 End Time: 17:31:35
 Capacity: 7000.00 psig
 Last Calib.: 1899.12.30
 Time On Btm: 2007.07.02 @ 08:40:20
 Time Off Btm: 2007.07.02 @ 14:03:35

TEST COMMENT: IF Strong blow BOB 30 sec. GTS 5 min.
 ISI Weak surface return blow
 FF Strong blow BOB & GTS ASAO
 FSI No return blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2624.77 | 117.15 | Initial Hydro-static |
| 1 | 1148.68 | 116.46 | Open To Flow (1) |
| 4 | 918.58 | 118.63 | Shut-In (1) |
| 64 | 1745.38 | 125.97 | End Shut-In (1) |
| 67 | 807.63 | 113.89 | Open To Flow (2) |
| 144 | 852.12 | 106.24 | Shut-In (2) |
| 323 | 1727.70 | 125.41 | End Shut-In (2) |
| 324 | 2582.80 | 130.97 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 152.00 | G Ospot M 2% G spot O 98% M | 0.75 |
| 124.00 | GOcM 30% G 10% O 60% M | 0.89 |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.50 | 310.00 | 2188.30 |
| Last Gas Rate | | | |
| Max. Gas Rate | 0.50 | 310.00 | 2188.30 |



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Day Star Petroleum
PO Box 360
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ATTN: Brad Rine

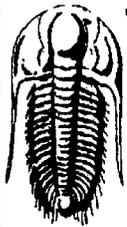
Unruh "B" 4-24
24 31 31 Seward KS
Job Ticket: 27325 **DST#: 3**
Test Start: 2007.07.02 @ 05:48:20

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 5154.00 ft | Diameter: 3.80 inches | Volume: 72.30 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 245.00 ft | Diameter: 2.25 inches | Volume: 1.20 bbl | Weight to Pull Loose: 92000.00 lb |
| | | | <u>Total Volume: 73.50 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 30.00 ft | | | String Weight: Initial 82000.00 lb |
| Depth to Top Packer: | 5396.00 ft | | | Final 82000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 114.00 ft | | | |
| Tool Length: | 141.00 ft | | | |
| Number of Packers: | 2 | Diameter: 7.78 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|---------------|------------|----------|------------|-------------------------------------|
| Change Over Sub | 1.00 | | | 5370.00 | |
| Shut In Tool | 5.00 | | | 5375.00 | |
| Hydraulic tool | 5.00 | | | 5380.00 | |
| Jars | 5.00 | | | 5385.00 | |
| Safety Joint | 2.00 | | | 5387.00 | |
| Packer | 5.00 | | | 5392.00 | 27.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 5396.00 | |
| Stubb | 1.00 | | | 5397.00 | |
| Recorder | 0.00 | 6625 | Inside | 5397.00 | |
| Change Over Sub | 1.00 | | | 5398.00 | |
| Drill Pipe | 94.00 | | | 5492.00 | |
| Change Over Sub | 1.00 | | | 5493.00 | |
| Perforations | 14.00 | | | 5507.00 | |
| Recorder | 0.00 | 13761 | Inside | 5507.00 | |
| Bullnose | 3.00 | | | 5510.00 | 114.00 Bottom Packers & Anchor |
| Total Tool Length: | 141.00 | | | | |



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Day Star Petroleum
PO Box 360
Valley Center KS 67147
ATTN: Brad Rine

Unruh "B" 4-24
24 31 31 Seward KS
Job Ticket: 27325 **DST#: 3**
Test Start: 2007.07.02 @ 05:48:20

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: 51.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.94 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 2600.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------------|---------------|
| 152.00 | G Ospot M 2%G spot O 98%M | 0.748 |
| 124.00 | GOcM 30%G 10%O 60%M | 0.892 |

Total Length: 276.00 ft Total Volume: 1.640 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

Day Star Petroleum
PO Box 360
Valley Center KS 67147

Unruh "B" 4-24
24 31 31 Seward KS
Job Ticket: 27325 **DST#: 3**
Test Start: 2007.07.02 @ 05:48:20

ATTN: Brad Rine

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 | 0.50 | 310.00 | 2188.30 |
| 2 | 20 | 0.63 | 255.00 | 2882.78 |
| 2 | 30 | 0.75 | 205.00 | 3427.00 |
| 2 | 40 | 0.75 | 195.00 | 3270.80 |
| 2 | 50 | 0.75 | 189.00 | 3177.08 |
| 2 | 60 | 0.75 | 189.00 | 3177.08 |
| 2 | 70 | 0.75 | 189.00 | 3177.08 |
| 2 | 80 | 0.75 | 189.00 | 3177.08 |
| 0 | - | -999999.00 | -999999.00 | -999999.00 |

Serial #: 6625

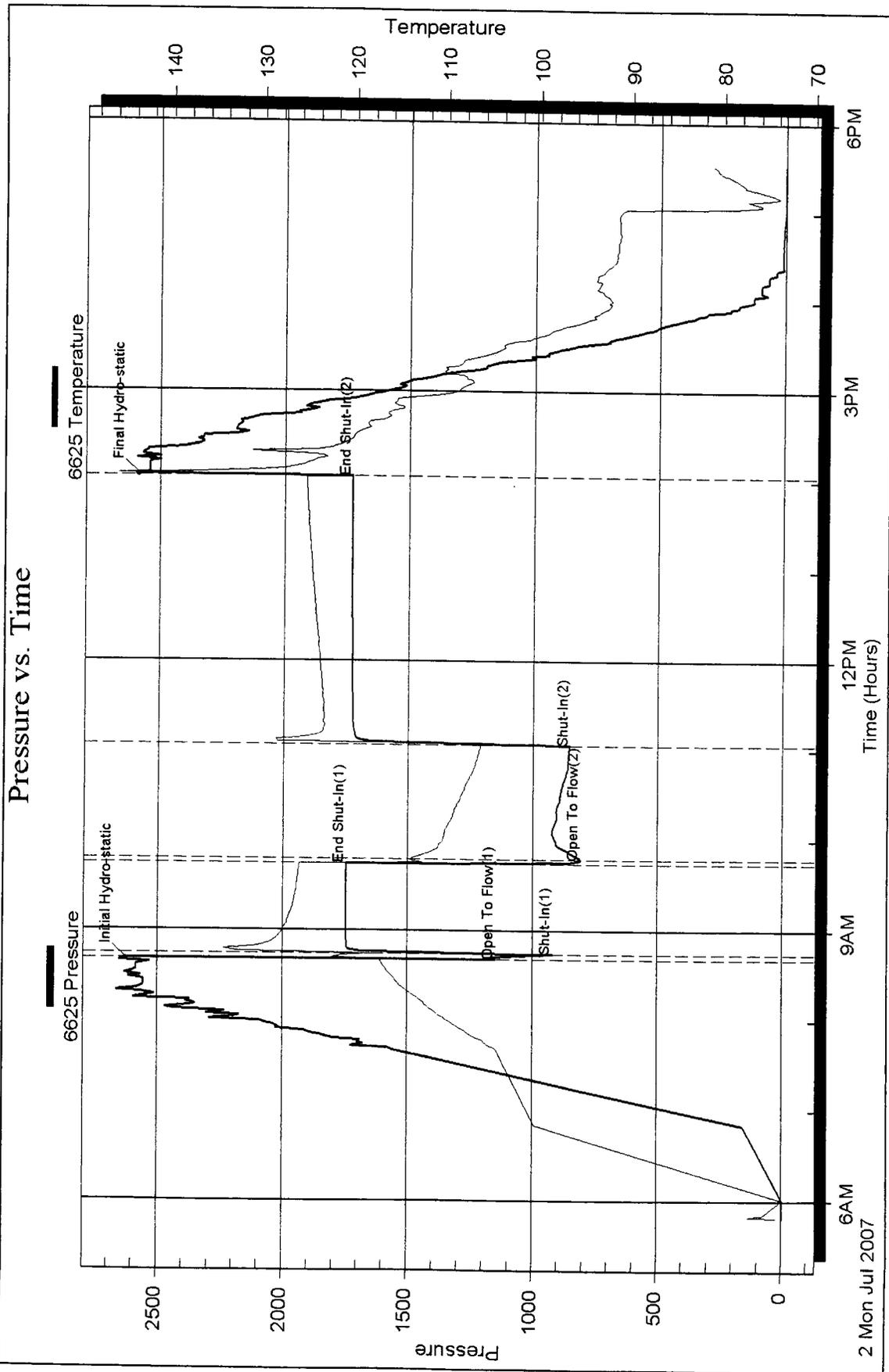
Inside

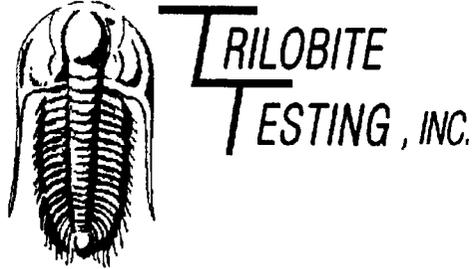
Day Star Petroleum

24 31 31 Sew ard KS

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Day Star Petroleum**

PO Box 360
Valley Center KS 67147

ATTN: Brad Rine

24 31 31 Seward KS

Unruh "B" 4-24

Start Date: 2007.07.04 @ 07:34:15

End Date: 2007.07.04 @ 15:34:00

Job Ticket #: 27151 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Day Star Petroleum

Unruh "B" 4-24

24 31 31 Seward KS

DST # 4

Miss. St. Louis

2007.07.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Day Star Petroleum
PO Box 360
Valley Center KS 67147
ATTN: Brad Rine

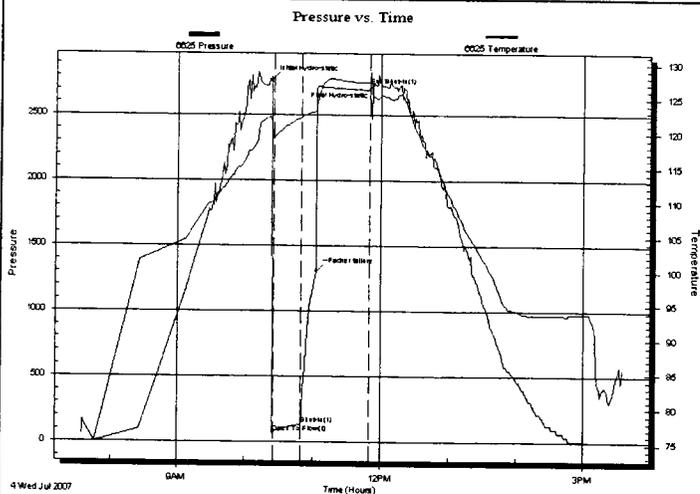
Unruh "B" 4-24
24 31 31 Seward KS
Job Ticket: 27151 **DST#: 4**
Test Start: 2007.07.04 @ 07:34:15

GENERAL INFORMATION:

Formation: **Miss. St. Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:25:00
Time Test Ended: 15:34:00
Interval: **5745.00 ft (KB) To 5890.00 ft (KB) (TVD)**
Total Depth: 5890.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Delton Brown
Unit No: 28
Reference Elevations: 2801.00 ft (KB)
2790.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6625 Inside
Press@RunDepth: 136.59 psig @ 5747.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2007.07.04 End Date: 2007.07.04 Last Calib.: 1899.12.30
Start Time: 07:34:16 End Time: 15:34:00 Time On Btm: 2007.07.04 @ 10:23:45
Time Off Btm: 2007.07.04 @ 11:53:30

TEST COMMENT: IF Strong blow 5" in to bucket
ISI No return blow
FF Packer failure occurred upon opening tried to reseat packer Packer failed to hold
FSI



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2775.25 | 121.57 | Initial Hydro-static |
| 2 | 69.76 | 119.27 | Open To Flow (1) |
| 26 | 136.59 | 122.23 | Shut-In(1) |
| 39 | 1304.70 | 123.13 | --Packer failure |
| 86 | 2731.30 | 127.32 | End Shut-In(1) |
| 90 | 2734.52 | 125.19 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 93.00 | 100%M | 0.46 |
| 248.00 | 100%M | 2.09 |
| 496.00 | 100%M | 6.96 |
| 124.00 | 100%M | 1.74 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Day Star Petroleum
PO Box 360
Valley Center KS 67147
ATTN: Brad Rine

Unruh "B" 4-24
24 31 31 Seward KS
Job Ticket: 27151 **DST#: 4**
Test Start: 2007.07.04 @ 07:34:15

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 5502.00 ft | Diameter: 3.80 inches | Volume: 77.18 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 245.00 ft | Diameter: 2.25 inches | Volume: 1.20 bbl | Weight to Pull Loose: 92000.00 lb |
| | | | <u>Total Volume: 78.38 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 29.00 ft | | | String Weight: Initial 88000.00 lb |
| Depth to Top Packer: | 5745.00 ft | | | Final 92000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 145.00 ft | | | |
| Tool Length: | 172.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|---------------|------------|----------|------------|-------------------------------------|
| Change Over Sub | 1.00 | | | 5719.00 | |
| Shut In Tool | 5.00 | | | 5724.00 | |
| Hydraulic tool | 5.00 | | | 5729.00 | |
| Jars | 5.00 | | | 5734.00 | |
| Safety Joint | 2.00 | | | 5736.00 | |
| Packer | 5.00 | | | 5741.00 | 27.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 5745.00 | |
| Stubb | 1.00 | | | 5746.00 | |
| Anchor | 1.00 | | | 5747.00 | |
| Recorder | 0.00 | 6625 | Inside | 5747.00 | |
| Change Over Sub | 1.00 | | | 5748.00 | |
| Drill Pipe | 124.00 | | | 5872.00 | |
| Change Over Sub | 1.00 | | | 5873.00 | |
| Perforations | 14.00 | | | 5887.00 | |
| Recorder | 0.00 | 13761 | Inside | 5887.00 | |
| Bullnose | 3.00 | | | 5890.00 | 145.00 Bottom Packers & Anchor |
| Total Tool Length: | 172.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Day Star Petroleum
PO Box 360
Valley Center KS 67147
ATTN: Brad Rine

Unruh "B" 4-24
24 31 31 Seward KS
Job Ticket: 27151 **DST#: 4**
Test Start: 2007.07.04 @ 07:34:15

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: 50.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.76 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 2000.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 93.00 | 100%M | 0.457 |
| 248.00 | 100%M | 2.094 |
| 496.00 | 100%M | 6.958 |
| 124.00 | 100%M | 1.739 |

Total Length: 961.00 ft Total Volume: 11.248 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW=1.042@85F=4400ppm

Pressure vs. Time

