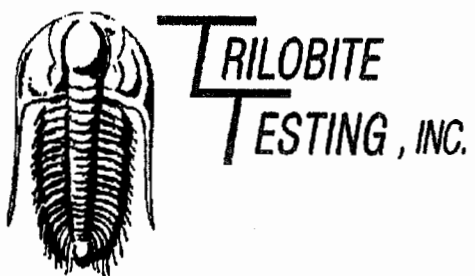


15-167-23656

Bennett & Schulte Oil Co. Brown #36-1 36-13-14 Russel, Ks (W) DST # 1 Arbuckle 2010.08.27



DRILL STEM TEST REPORT

Prepared For: **Bennett & Schulte Oil Co.**
140 W Wichita Ave
Russell, Ks 67665

ATTN: Frank Schulte

36-13-14 Russel, Ks (W)

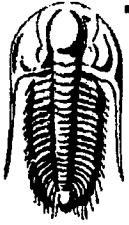
Brown #36-1

Start Date: 2010.08.27 @ 19:55:18
End Date: 2010.08.28 @ 00:48:48
Job Ticket #: 40335 DST #: 1

NE-SW-NE-NE
770 FNL - 960 FEL

RECEIVED
FEB 15 2011
KCC WICHITA

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bennett & Schulte Oil Co.

Brown #36-1

140 W Wichita Ave
Russell, Ks 67665

36-13-14 Russel, Ks

Job Ticket: 40335

DST#: 1

ATTN: Frank Schulte

Test Start: 2010.08.27 @ 19:55:18

Tool Information

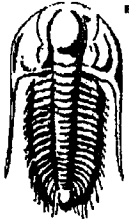
| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3266.00 ft | Diameter: 3.80 inches | Volume: 45.81 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.70 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: 36000.00 lb |
| | | | <u>Total Volume: 45.81 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 30.00 ft | | | String Weight: Initial 35000.00 lb |
| Depth to Top Packer: | 3256.00 ft | | | Final 36000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 72.00 ft | | | |
| Tool Length: | 92.00 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 | | | 3237.00 | |
| Shut In Tool | 5.00 | | | 3242.00 | |
| Hydraulic tool | 5.00 | | | 3247.00 | |
| Packer | 4.00 | | | 3251.00 | 20.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3256.00 | |
| Stubb | 1.00 | | | 3257.00 | |
| Perforations | 3.00 | | | 3260.00 | |
| Change Over Sub | 1.00 | | | 3261.00 | |
| Recorder | 0.00 | 6719 | Inside | 3261.00 | |
| Recorder | 0.00 | 8369 | Inside | 3261.00 | |
| Blank Spacing | 63.00 | | | 3324.00 | |
| Change Over Sub | 1.00 | | | 3325.00 | |
| Bullnose | 3.00 | | | 3328.00 | 72.00 Bottom Packers & Anchor |

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bennett & Schulte Oil Co.

Brown #36-1

140 W Wichita Ave
Russell, Ks 67665

36-13-14 Russel, Ks

Job Ticket: 40335

DST#: 1

ATTN: Frank Schulte

Test Start: 2010.08.27 @ 19:55:18

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: 55.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 10.38 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 6200.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------|---------------|
| 100.00 | Mud | 1.403 |
| 60.00 | VSOCM 2%O 98%M | 0.842 |

Total Length: 160.00 ft Total Volume: 2.245 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Bennett & Schulte Oil Co.

Brown #36-1

140 W Wichita Ave
Russell, Ks 67665

36-13-14 Russel, Ks

Job Ticket: 40335

DST#: 1

ATTN: Frank Schulte

Test Start: 2010.08.27 @ 19:55:18

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:24:18

Time Test Ended: 00:48:48

Test Type: Conventional Bottom Hole

Tester: Brett Dicknson

Unit No: 47

Interval: **3256.00 ft (KB) To 3328.00 ft (KB) (TVD)**

Reference Elevations: 1853.00 ft (KB)

Total Depth: 3328.00 ft (KB) (TVD)

1845.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8369

Inside

Press@RunDepth: 104.05 psig @ 3261.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.08.27

End Date:

2010.08.28

Last Calib.: 2010.08.28

Start Time: 19:55:23

End Time:

00:48:47

Time On Btm: 2010.08.27 @ 22:23:18

Time Off Btm: 2010.08.27 @ 23:26:18

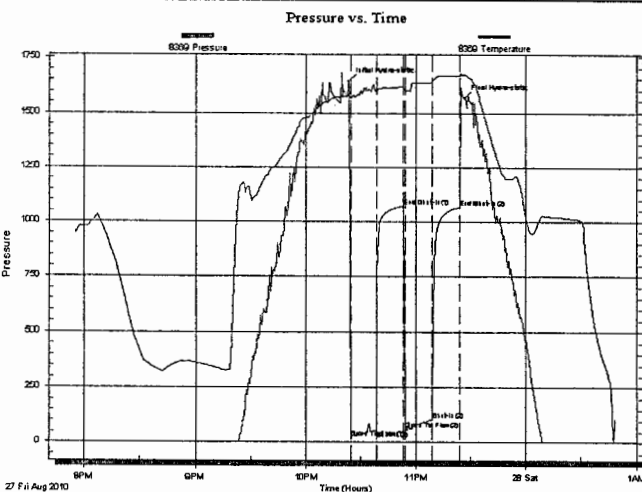
TEST COMMENT:

IF-8.5in blow

ISI-No blow

FF-7in blow

FSI-No blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1643.41 | 98.56 | Initial Hydro-static |
| 1 | 18.81 | 98.26 | Open To Flow (1) |
| 15 | 56.02 | 98.90 | Shut-In(1) |
| 30 | 1072.02 | 99.29 | End Shut-In(1) |
| 31 | 59.40 | 99.16 | Open To Flow (2) |
| 46 | 104.05 | 99.71 | Shut-In(2) |
| 61 | 1067.14 | 100.31 | End Shut-In(2) |
| 63 | 1567.88 | 100.35 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 100.00 | Mud | 1.40 |
| 60.00 | VSOCM 2%O 98%M | 0.84 |
| | | |
| | | |

Gas Rates

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

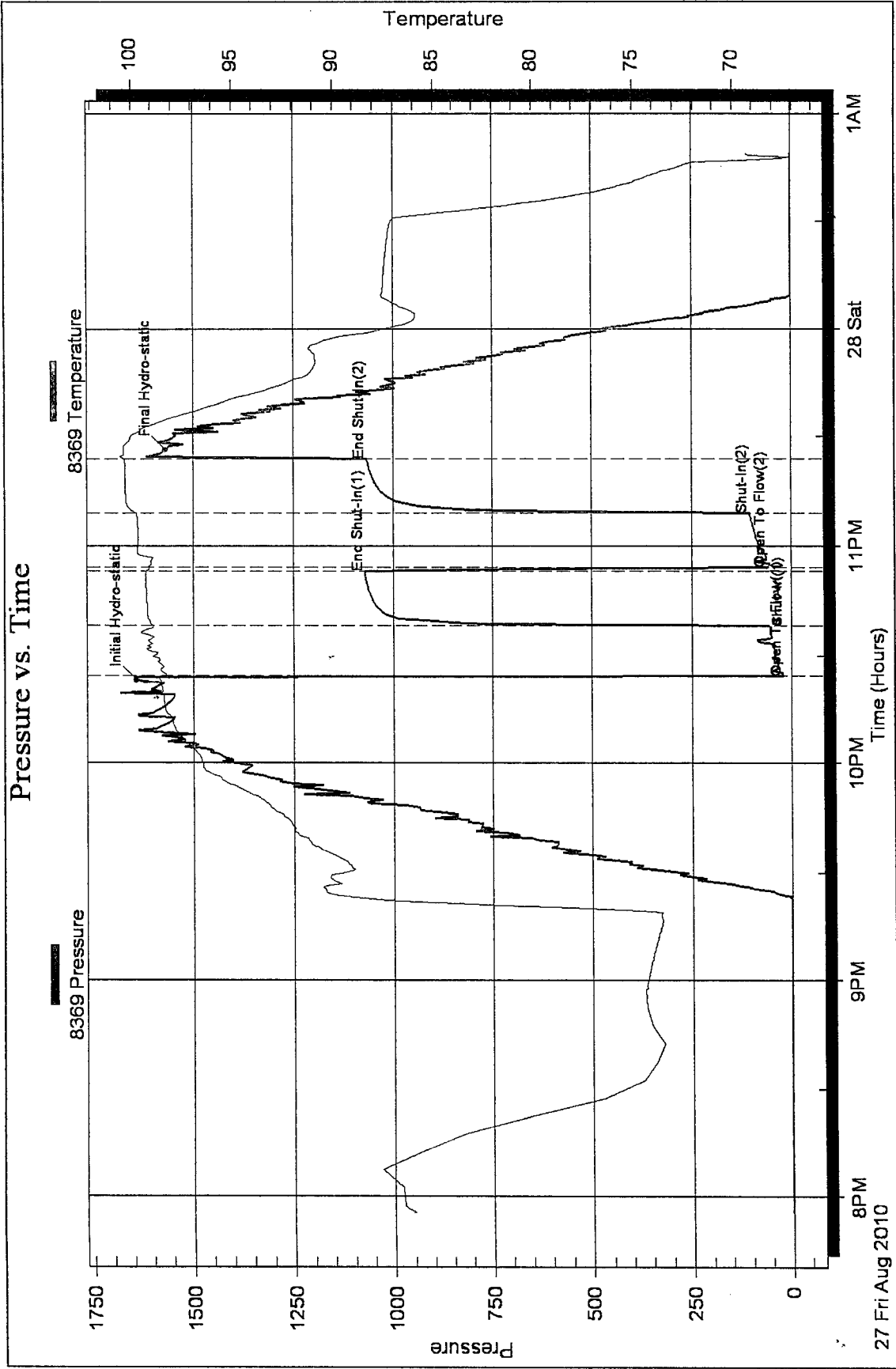
Serial #: 8369

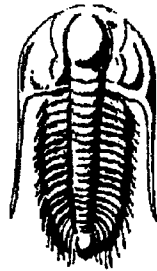
Inside

Bennett & Schulte Oil Co.

36-13-14 Russel,Ks

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bennett & Schulte Oil Co.**

140 W Wichita Ave
Russell, Ks 67665

ATTN: Frank Schulte

36-13-14 Russel,Ks

Brown #36-1

Start Date: 2010.08.28 @ 04:26:34

End Date: 2010.08.28 @ 10:17:04

Job Ticket #: 40336 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Bennett & Schulte Oil Co.

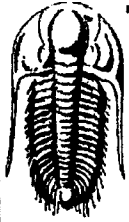
Brown #36-1

36-13-14 Russel,Ks

DST # 2

Arbuckle

2010.08.28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bennett & Schulte Oil Co.

Brown #36-1

140 W Wichita Ave
Russell, Ks 67665

36-13-14 Russel, Ks

Job Ticket: 40336

DST#: 2

ATTN: Frank Schulte

Test Start: 2010.08.28 @ 04:26:34

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3266.00 ft | Diameter: 3.80 inches | Volume: 45.81 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.70 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: 40000.00 lb |
| | | | Total Volume: 45.81 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 30.00 ft | | | String Weight: Initial 35000.00 lb |
| Depth to Top Packer: | 3256.00 ft | | | Final 39000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 76.00 ft | | | |
| Tool Length: | 96.00 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 | | | 3237.00 | |
| Shut In Tool | 5.00 | | | 3242.00 | |
| Hydraulic tool | 5.00 | | | 3247.00 | |
| Packer | 4.00 | | | 3251.00 | 20.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3256.00 | |
| Stubb | 1.00 | | | 3257.00 | |
| Perforations | 5.00 | | | 3262.00 | |
| Change Over Sub | 1.00 | | | 3263.00 | |
| Recorder | 0.00 | 6719 | Inside | 3263.00 | |
| Recorder | 0.00 | 8369 | Inside | 3263.00 | |
| Blank Spacing | 63.00 | | | 3326.00 | |
| Change Over Sub | 1.00 | | | 3327.00 | |
| Perforations | 2.00 | | | 3329.00 | |
| Bullnose | 3.00 | | | 3332.00 | 76.00 Bottom Packers & Anchor |

Total Tool Length: 96.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bennett & Schulte Oil Co.

Brown #36-1

140 W Wichita Ave
Russell, Ks 67665

36-13-14 Russel, Ks

Job Ticket: 40336

DST#: 2

ATTN: Frank Schulte

Test Start: 2010.08.28 @ 04:26:34

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------|---------------|
| 140.00 | Mud | 1.964 |
| 120.00 | VSWCM 10%W 90%M | 1.683 |
| 180.00 | WCM 30%W 70M | 2.525 |
| 210.00 | WCM 45%W 55%M | 2.946 |

Total Length: 650.00 ft

Total Volume: 9.118 bbl

Num Fluid Samples: 0

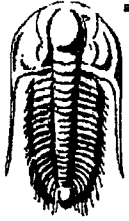
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bennett & Schulte Oil Co.

140 W Wichita Ave
Russell, Ks 67665

ATTN: Frank Schulte

Brown #36-1

36-13-14 Russel, Ks

Job Ticket: 40336

DST#: 2

Test Start: 2010.08.28 @ 04:26:34

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:19:04

Time Test Ended: 10:17:04

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

Interval: **3256.00 ft (KB) To 3332.00 ft (KB) (TVD)**

Total Depth: 3332.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1853.00 ft (KB)

1845.00 ft (CF)

KB to GRVCF: 8.00 ft

Serial #: 8369 Inside

Press@RunDepth: 325.97 psig @ 3263.00 ft (KB)

Start Date: 2010.08.28

End Date:

2010.08.28

Start Time: 04:26:39

End Time:

10:17:03

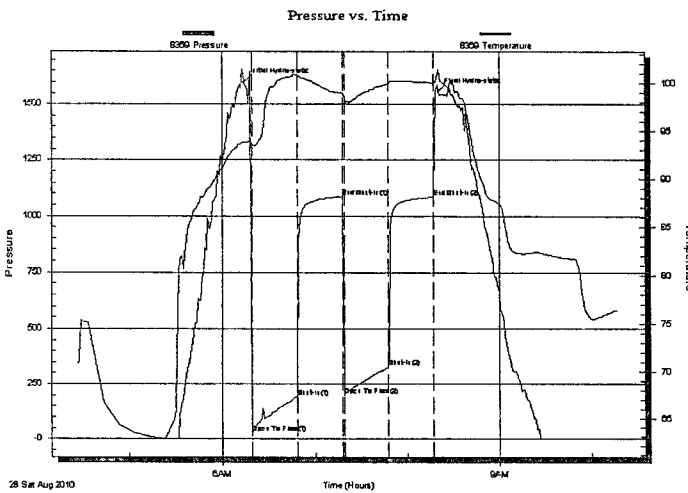
Capacity: 8000.00 psig

Last Calib.: 2010.08.28

Time On Btm: 2010.08.28 @ 06:14:04

Time Off Btm: 2010.08.28 @ 08:20:04

TEST COMMENT: IF-BOB in 8min
IS- No blow
FF-BOB in 8.5min
FS- No blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1599.04 | 93.84 | Initial Hydro-static |
| 5 | 28.07 | 93.39 | Open To Flow (1) |
| 34 | 192.90 | 100.70 | Shut-In(1) |
| 64 | 1083.85 | 98.97 | End Shut-In(1) |
| 65 | 201.07 | 98.68 | Open To Flow (2) |
| 94 | 325.97 | 99.94 | Shut-In(2) |
| 123 | 1083.05 | 100.08 | End Shut-In(2) |
| 126 | 1558.00 | 101.45 | Final Hydro-static |

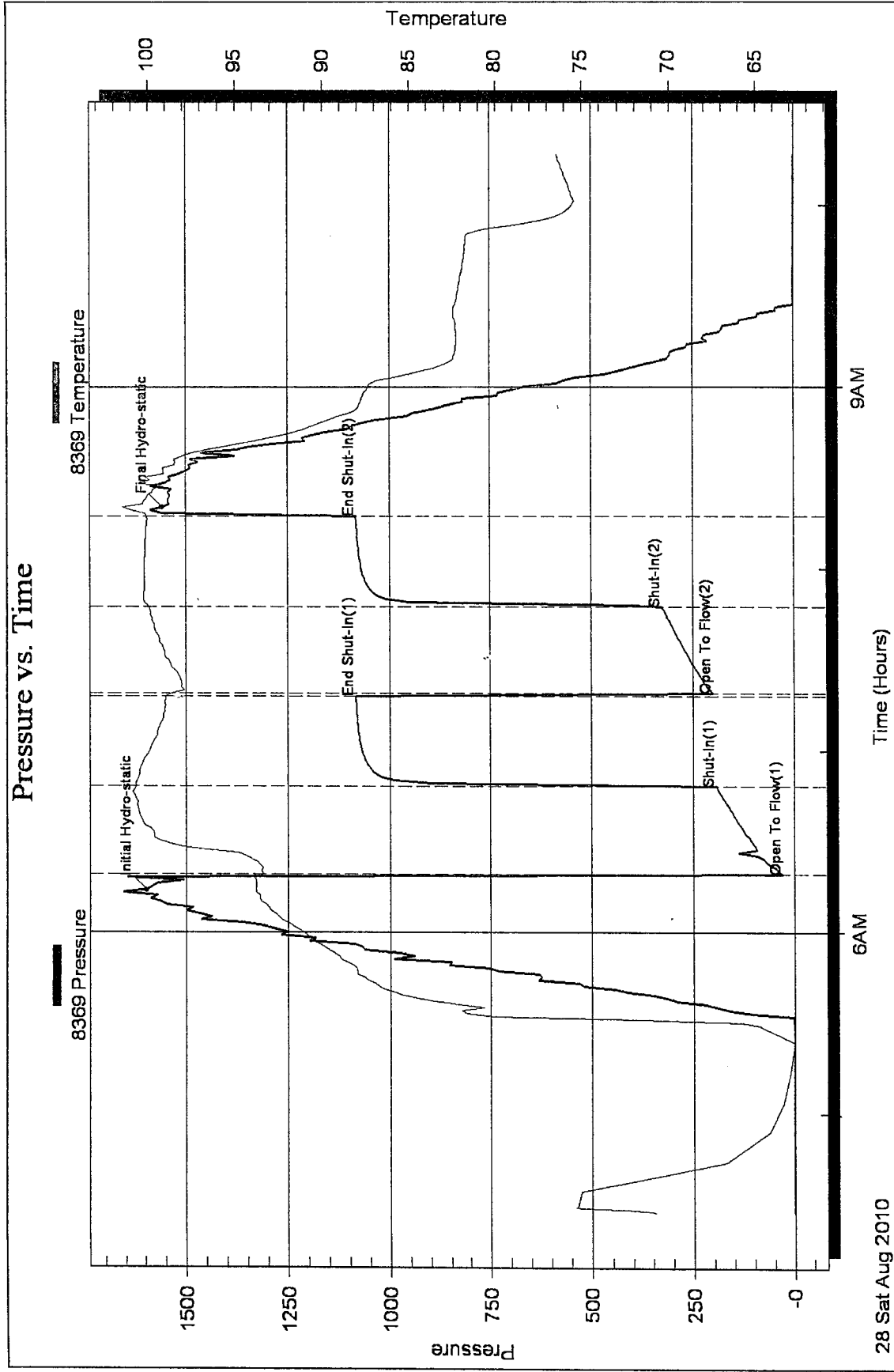
Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------|--------------|
| 140.00 | Mud | 1.96 |
| 120.00 | VSWCM 10%W 90%M | 1.68 |
| 180.00 | WCM 30%W 70M | 2.52 |
| 210.00 | WCM 45%W 55%M | 2.95 |
| | | |
| | | |

Gas Rates

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

Pressure vs. Time



28 Sat Aug 2010