

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

PO Box 871
Russell KS 67665

ATTN: Gary Brungardt

22 12 13W Russell KS

Rogg B-Splawn Pool#1

Start Date: 2007.11.16 @ 23:49:50

End Date: 2007.11.17 @ 06:02:14

Job Ticket #: 28057 DST #: 1

15-167-23469

NENESESE

1290 FSL 100 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

15-167-23469 Brungardt Oil & Leasing Inc

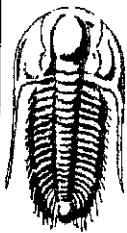
Rogg B-Splawn Pool#1

22 12 13W Russell KS

DST # 1

LKC B-C

2007.11.16



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

PO Box 871
Russell KS 67665

ATTN: Gary Brungardt

Rogg B-Splawn Pool#1

22 12 13W Russell KS

Job Ticket: 28057

DST#: 1

Test Start: 2007.11.16 @ 23:49:50

GENERAL INFORMATION:

Formation: **LKC B-C**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 01:23:45
 Time Test Ended: 06:02:14

Test Type: **Conventional Bottom Hole**
 Tester: **Ray Schwager**
 Unit No: **42**

Interval: **2862.00 ft (KB) To 2900.00 ft (KB) (TVD)**
 Total Depth: **2900.00 ft (KB) (TVD)**
 Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **1634.00 ft (KB)**
1629.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 6672

Inside

Press@RunDepth: **69.49 psig @ 2868.01 ft (KB)**

Start Date: **2007.11.16**

End Date:

2007.11.17

Capacity: **7000.00 psig**

Start Time: **23:49:50**

End Time:

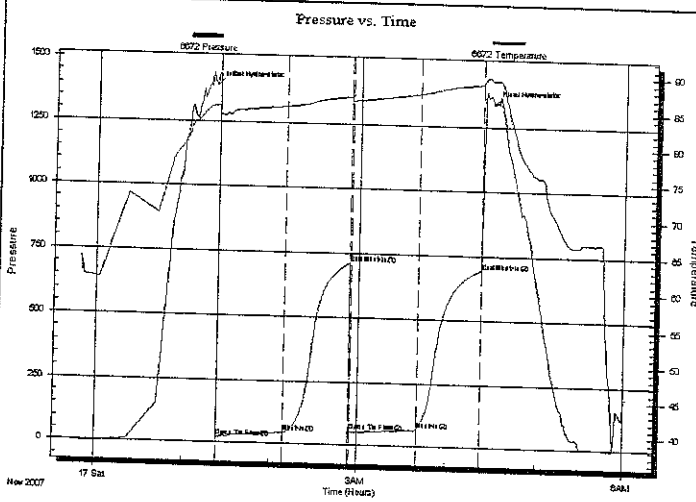
06:02:14

Last Calib.: **2007.11.17**

Time On Btm: **2007.11.17 @ 01:21:15**

Time Off Btm: **2007.11.17 @ 04:30:14**

TEST COMMENT: IFP Wk to a fr bl 1/2" to 4" bl
 FFP Wk bl thru-out 1/2" to 2" bl
 Times 45 45 45 45
 No bl on shut-in



PRESSURE SUMMARY

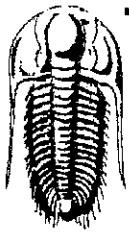
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1394.97	85.24	Initial Hydro-static
3	23.78	84.08	Open To Flow (1)
48	45.12	85.24	Shut-In(1)
93	711.28	86.76	End Shut-In(1)
94	56.08	86.21	Open To Flow (2)
139	69.49	87.32	Shut-In(2)
182	693.49	88.84	End Shut-In(2)
189	1341.20	89.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	O&GCWM 20%G 15%O 20%W 45%M	0.14
70.00	HO&GCM 34%G 26%O 40%M	0.50
0.00	150' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing Inc

Rogg B-Splawn Pool#1

PO Box 871
Russell KS 67665

22 12 13W Russell KS

Job Ticket: 28057

DST#: 1

ATTN: Gary Brungardt

Test Start: 2007.11.16 @ 23:49:50

Tool Information

Drill Pipe:	Length: 2512.00 ft	Diameter: 3.80 inches	Volume: 35.24 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 360.00 ft	Diameter: 2.70 inches	Volume: 2.55 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 37.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	2862.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.02 ft			
Tool Length:	59.02 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			2842.00	
Shut In Tool	5.00			2847.00	
Hydraulic tool	5.00			2852.00	
Packer	5.00			2857.00	21.00 Bottom Of Top Packer
Packer	5.00			2862.00	
Stubb	1.00			2863.00	
Perforations	5.00			2868.00	
Recorder	0.01	6672	Inside	2868.01	
Perforations	1.00			2869.01	
Recorder	0.01	8365	Outside	2869.02	
Perforations	28.00			2897.02	
Bullnose	3.00			2900.02	38.02 Bottom Packers & Anchor

Total Tool Length: 59.02



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DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

Rogg B-Splawn Pool#1

PO Box 871
Russell KS 67665

22 12 13W Russell KS

Job Ticket: 28057

DST#: 1

ATTN: Gary Brungardt

Test Start: 2007.11.16 @ 23:49:50

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 7.77 in³

Resistivity: ohm.m

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbf

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	O&GCWM 20%G 15%O 20%W 45%M	0.142
70.00	HO&GCM 34%G 26%O 40%M	0.496
0.00	150' GIP	0.000

Total Length: 90.00 ft

Total Volume: 0.638 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

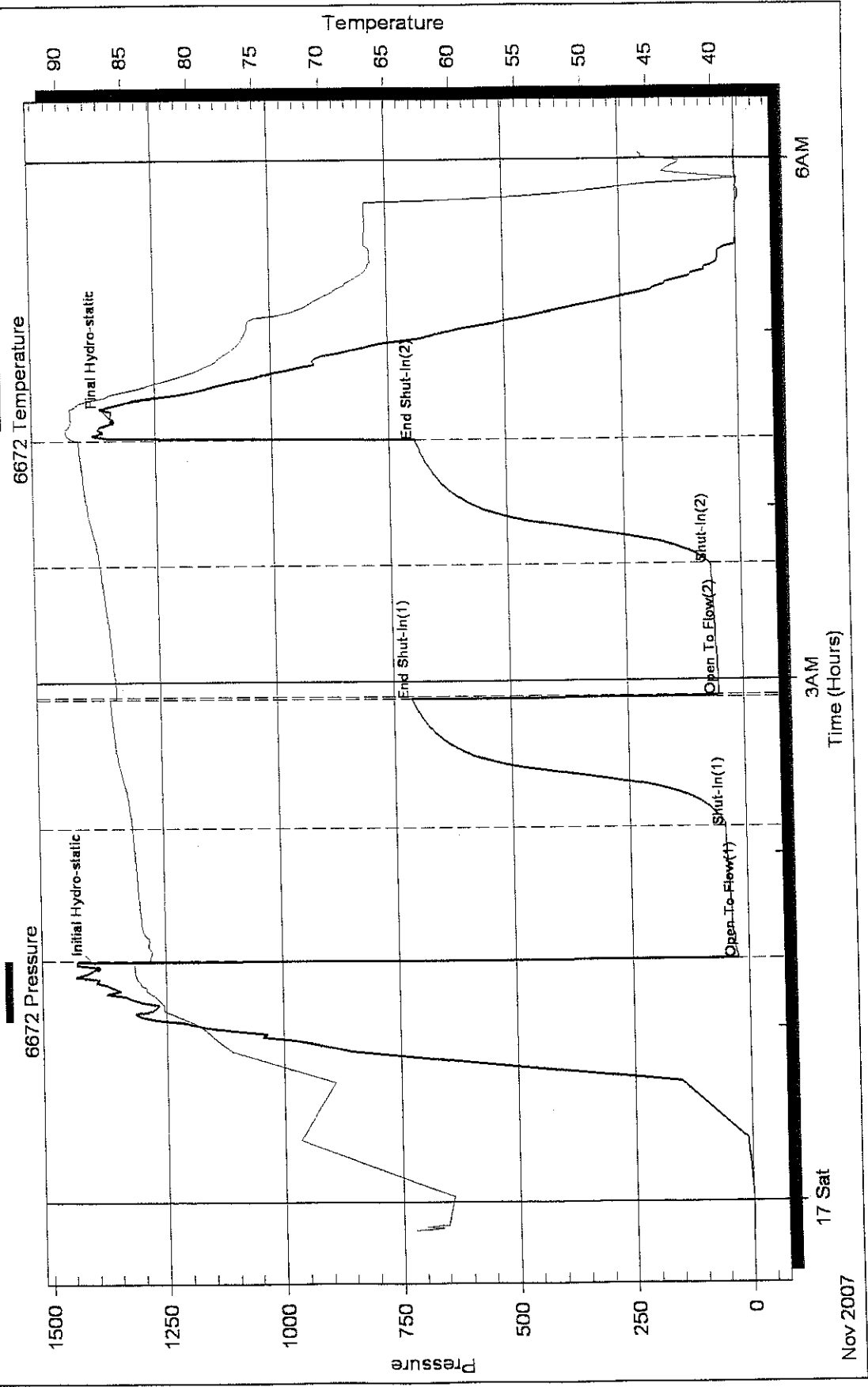
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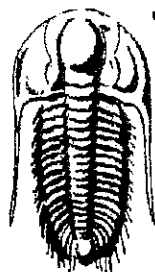
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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Prepared For: **Brungardt Oil & Leasing Inc**

PO Box 871
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ATTN: Gary Brungardt

22 12 13W Russell KS

Rogg B-Splawn Pool#1

Start Date: 2007.11.17 @ 13:41:04

End Date: 2007.11.17 @ 21:11:58

Job Ticket #: 28058 DST #: 2

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

Brungardt Oil & Leasing Inc

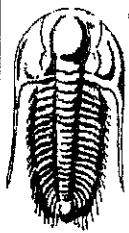
Rogg B-Splawn Pool#1

22 12 13W Russell KS

DST # 2

LKC F-G

2007.11.17



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

PO Box 871
Russell KS 67665

ATTN: Gary Brungardt

Rogg B-Splawn Pool#1

22 12 13W Russell KS

Job Ticket: 28058

DST#: 2

Test Start: 2007.11.17 @ 13:41:04

GENERAL INFORMATION:

Formation: LKC F-G
Deviated: No Whipstock ft (KB)
Time Tool Opened: 15:30:29
Time Test Ended: 21:11:58

Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 42

Interval: 2937.00 ft (KB) To 2965.00 ft (KB) (TVD)
Total Depth: 2965.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1634.00 ft (KB)
1629.00 ft (CF)
KB to GR/CF: 5.00 ft

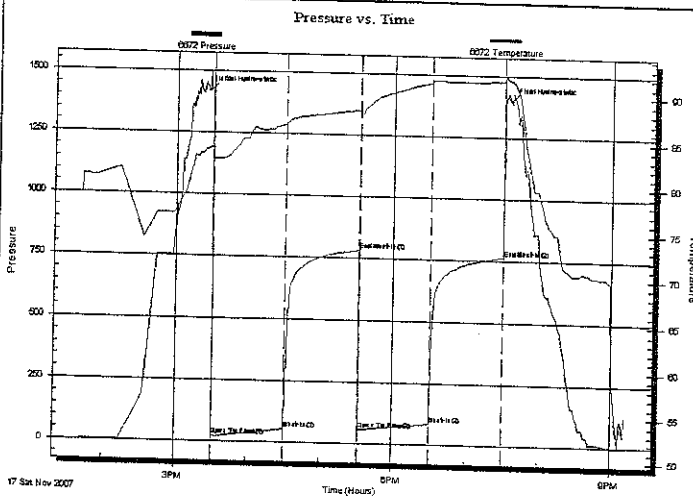
Serial #: 6672

Inside

Press@RunDepth: 85.11 psig @ 2943.01 ft (KB)
Start Date: 2007.11.17 End Date: 2007.11.17
Start Time: 13:41:04 End Time: 21:11:58

Capacity: 7000.00 psig
Last Calib.: 2007.11.17
Time On Btm: 2007.11.17 @ 15:26:59
Time Off Btm: 2007.11.17 @ 19:35:58

TEST COMMENT: IFF Wk to a fr bl surface to 4 1/4 " bl
FFP No bl then wk bl thru-out 1/2 " bl
Times 60 60 60 60
No bl on shut-in



PRESSURE SUMMARY

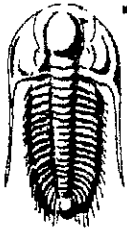
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1421.30	83.91	Initial Hydro-static
4	21.88	82.76	Open To Flow (1)
64	53.50	86.58	Shut-In (1)
124	780.79	88.31	End Shut-In (1)
125	58.78	87.73	Open To Flow (2)
183	85.11	91.46	Shut-In (2)
244	763.01	91.76	End Shut-In (2)
249	1399.06	91.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	WM 45%W 55%M w/show of Oil	0.21
120.00	MW 15%M 85%W	0.85

Gas Rates

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



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TOOL DIAGRAM

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Rogg B-Splawn Pool#1

PO Box 871
Russell KS 67665

22 12 13W Russell KS

Job Ticket: 28058

DST#: 2

ATTN: Gary Brungardt

Test Start: 2007.11.17 @ 13:41:04

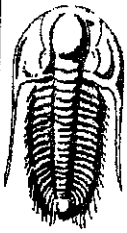
Tool Information

Drill Pipe:	Length: 2576.00 ft	Diameter: 3.80 inches	Volume: 36.13 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 360.00 ft	Diameter: 2.70 inches	Volume: 2.55 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			Total Volume: 38.68 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	2937.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.02 ft			
Tool Length:	49.02 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			2917.00	
Shut In Tool	5.00			2922.00	
Hydraulic tool	5.00			2927.00	
Packer	5.00			2932.00	21.00 Bottom Of Top Packer
Packer	5.00			2937.00	
Stubb	1.00			2938.00	
Perforations	5.00			2943.00	
Recorder	0.01	6672	Inside	2943.01	
Perforations	1.00			2944.01	
Recorder	0.01	8365	Outside	2944.02	
Perforations	18.00			2962.02	
Bullnose	3.00			2965.02	28.02 Bottom Packers & Anchor

Total Tool Length: 49.02



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PO Box 871
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ATTN: Gary Brungardt

Rogg B-Splawn Pool#1
22 12 13W Russell KS
Job Ticket: 28058 DST#: 2
Test Start: 2007.11.17 @ 13:41:04

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 58.00 sec/qt
Water Loss: 7.17 in³
Resistivity: ohm.m
Salinity: 5800.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 28000 ppm

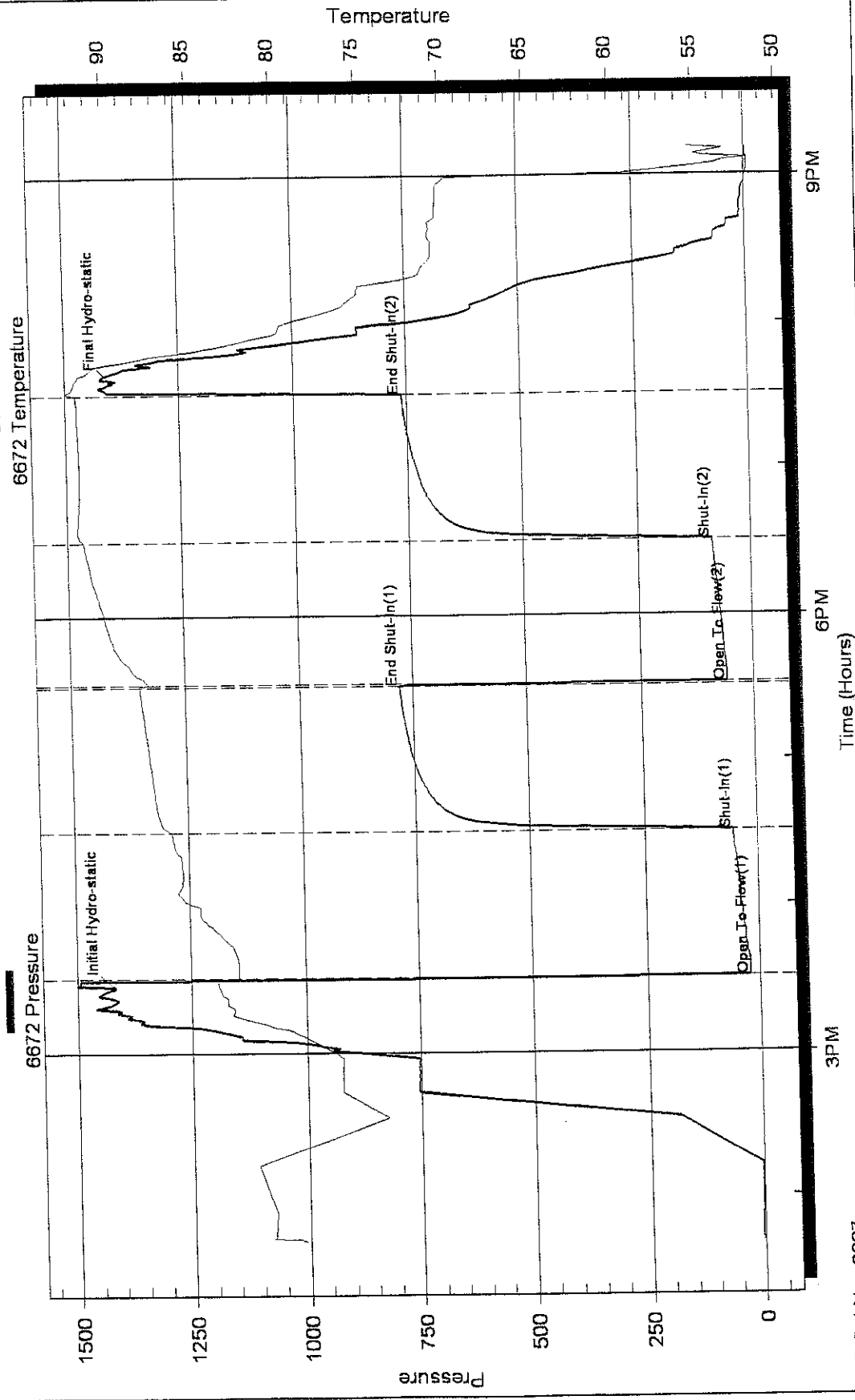
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	WM 45%W 55%M w/show of Oil	0.212
120.00	MW 15%M 85%W	0.850

Total Length: 150.00 ft Total Volume: 1.062 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW .27 @64F

Pressure vs. Time



17 Sat Nov 2007

9PM

6PM

3PM

Time (Hours)