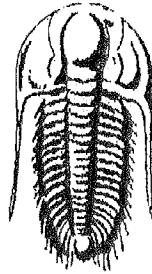


15-135-24687

11-17s-25w

PHD



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell KS 67665

ATTN: John Farmer

11 17 25 Ness KS

Potter H # 1

Start Date: 2007.09.10 @ 07:20:25

End Date: 2007.09.10 @ 14:24:40

Job Ticket #: 28906 DST #: 1

**CONFIDENTIAL
OCT 23 2007
KCC**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer

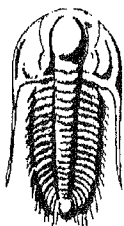
Potter H # 1

11 17 25 Ness KS

DST # 1

Ft Scott

2007.09.10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer

Potter H # 1

PO Box 352
Russell KS 67665

11 17 25 Ness KS

ATTN: John Farmer

Job Ticket: 28906

DST#: 1

Test Start: 2007.09.10 @ 07:20:25

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:31:45

Time Test Ended: 14:24:40

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **4290.00 ft (KB) To 4360.00 ft (KB) (TVD)**

Reference Elevations: 2463.00 ft (KB)

Total Depth: 4360.00 ft (KB) (TVD)

2455.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6741

Inside

Press@RunDepth: 44.94 psig @ 4302.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.09.10

End Date: 2007.09.10

Last Calib.: 2007.09.10

Start Time: 07:20:27

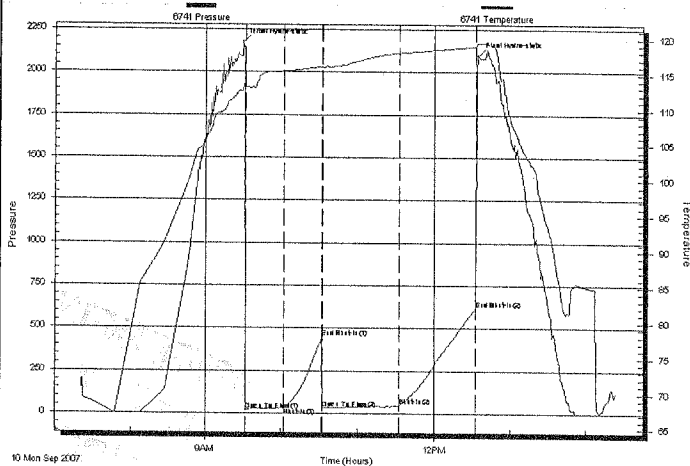
End Time: 14:24:40

Time On Btm: 2007.09.10 @ 09:30:05

Time Off Btm: 2007.09.10 @ 12:34:25

TEST COMMENT: IF Weak building to 2 "
FF Weak building to 3 "

Pressure vs. Time



PRESSURE SUMMARY

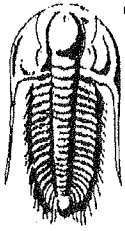
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2172.90	112.68	Initial Hydro-static
2	17.15	113.30	Open To Flow (1)
33	31.67	115.47	Shut-In(1)
63	446.52	116.08	End Shut-In(1)
63	28.91	115.97	Open To Flow(2)
123	44.94	117.99	Shut-In(2)
183	615.29	118.94	End Shut-In(2)
185	2096.13	119.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Silly OCGM 5%G 3%O 92%M	0.64
0.00	248 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

Potter H # 1

PO Box 352
Russell KS 67665

11 17 25 Ness KS

Job Ticket: 28906

DST#: 1

ATTN: John Farmer

Test Start: 2007.09.10 @ 07:20:25

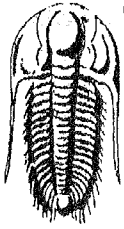
Tool Information

Drill Pipe:	Length: 4248.00 ft	Diameter: 3.80 inches	Volume: 59.59 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: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 51000.00 lb
			<u>Total Volume: 59.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4290.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	94.00 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			4267.00	
Shut In Tool	5.00			4272.00	
Hydraulic tool	5.00			4277.00	
Safety Joint	3.00			4280.00	
Packer	5.00			4285.00	24.00 Bottom Of Top Packer
Packer	5.00			4290.00	
Stubb	1.00			4291.00	
Perforations	10.00			4301.00	
Change Over Sub	1.00			4302.00	
Recorder	0.00	6741	Inside	4302.00	
Drill Pipe	31.00			4333.00	
Change Over Sub	1.00			4334.00	
Recorder	0.00	13254	Outside	4334.00	
Perforations	23.00			4357.00	
Bullnose	3.00			4360.00	70.00 Bottom Packers & Anchor

Total Tool Length: 94.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

Potter H # 1

PO Box 352
Russell KS 67665

11 17 25 Ness KS

Job Ticket: 28906

DST#: 1

ATTN: John Farmer

Test Start: 2007.09.10 @ 07:20:25

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: 10.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	SillyOCGM 5%G 3%O 92%M	0.638
0.00	248 GIP	0.000

Total Length: 65.00 ft

Total Volume: 0.638 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

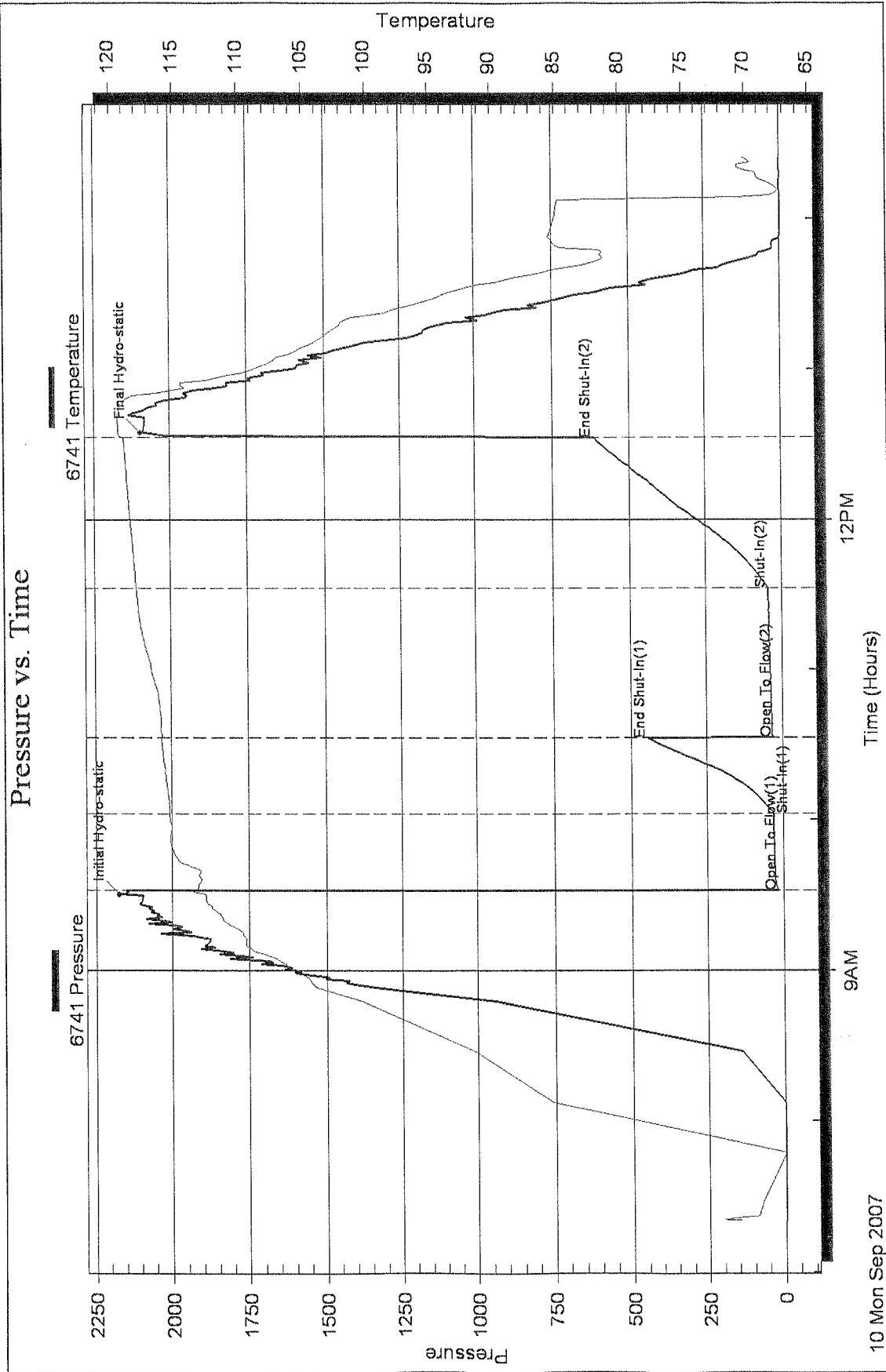
Serial #:

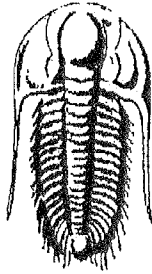
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell KS 67665

ATTN: John Farmer

11 17 25 Ness KS

Potter H # 1

Start Date: 2007.09.11 @ 08:57:43

End Date: 2007.09.11 @ 14:40:58

Job Ticket #: 28907 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer

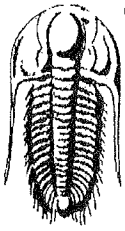
Potter H # 1

11 17 25 Ness KS

DST # 2

Miss

2007.09.11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer

Potter H # 1

PO Box 352
Russell KS 67665

11 17 25 Ness KS

ATTN: John Farmer

Job Ticket: 28907

DST#: 2

Test Start: 2007.09.11 @ 08:57:43

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:44:43

Time Test Ended: 14:40:58

Test Type: Conventional Straddle

Tester: Dan Bangle

Unit No: 38

Interval: **4420.00 ft (KB) To 4446.00 ft (KB) (TVD)**

Total Depth: 4517.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2463.00 ft (KB)

2455.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6741

Inside

Press@RunDepth: 35.72 psig @ 4421.00 ft (KB)

Start Date: 2007.09.11

End Date: 2007.09.11

Start Time: 08:57:45

End Time: 14:40:58

Capacity: 7000.00 psig

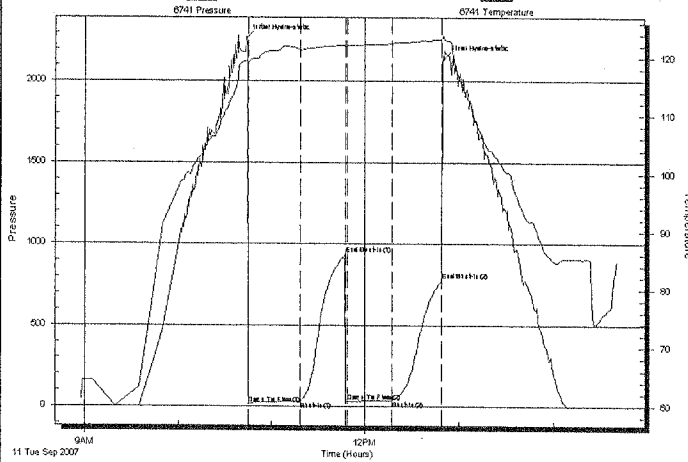
Last Calib.: 2007.09.11

Time On Btm: 2007.09.11 @ 10:43:43

Time Off Btm: 2007.09.11 @ 12:50:13

TEST COMMENT: IF Weak building to 1/4 " decreasing to weak surface in 30 min
FF Weak steady surface blow

Pressure vs. Time



PRESSURE SUMMARY

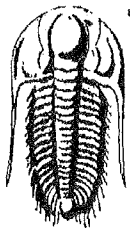
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2265.42	119.46	Initial Hydro-static
1	12.28	119.03	Open To Flow (1)
35	29.94	121.51	Shut-In(1)
64	933.31	122.15	End Shut-In(1)
66	31.90	122.10	Open To Flow (2)
94	35.72	122.54	Shut-In(2)
126	774.25	123.15	End Shut-In(2)
127	2137.92	123.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	OCM 20%O 80%M	0.50
5.00	CO	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

Potter H # 1

PO Box 352
Russell KS 67665

11 17 25 Ness KS

ATTN: John Farmer

Job Ticket: 28907

DST#: 2

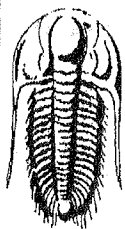
Test Start: 2007.09.11 @ 08:57:43

Tool Information

Drill Pipe:	Length: 4371.00 ft	Diameter: 3.80 inches	Volume: 61.31 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: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 51000.00 lb
			Total Volume: 61.46 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4420.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	4446.00 ft			
Interval between Packers:	26.00 ft			
Tool Length:	121.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4397.00	
Shut In Tool	5.00			4402.00	
Hydraulic tool	5.00			4407.00	
Safety Joint	3.00			4410.00	
Packer	5.00			4415.00	24.00 Bottom Of Top Packer
Packer	5.00			4420.00	
Stubb	1.00			4421.00	
Recorder	0.00	6741	Inside	4421.00	
Perforations	21.00			4442.00	
Recorder	0.00	13254	Outside	4442.00	
Blank Spacing	3.00			4445.00	
Blank Off Sub	1.00			4446.00	26.00 Tool Interval
Packer	2.00			4448.00	
Stubb	1.00			4449.00	
Recorder	0.00	13248	Outside	4449.00	
Perforations	1.00			4450.00	
Change Over Sub	1.00			4451.00	
Drill Pipe	62.00			4513.00	
Change Over Sub	1.00			4514.00	
Bullnose	3.00			4517.00	71.00 Bottom Packers & Anchor

Total Tool Length: 121.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

Potter H # 1

PO Box 352
Russell KS 67665

11 17 25 Ness KS

ATTN: John Farmer

Job Ticket: 28907

DST#: 2

Test Start: 2007.09.11 @ 08:57:43

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 10.16 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	OCM 20% O 80% M	0.498
5.00	CO	0.070

Total Length: 60.00 ft Total Volume: 0.568 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

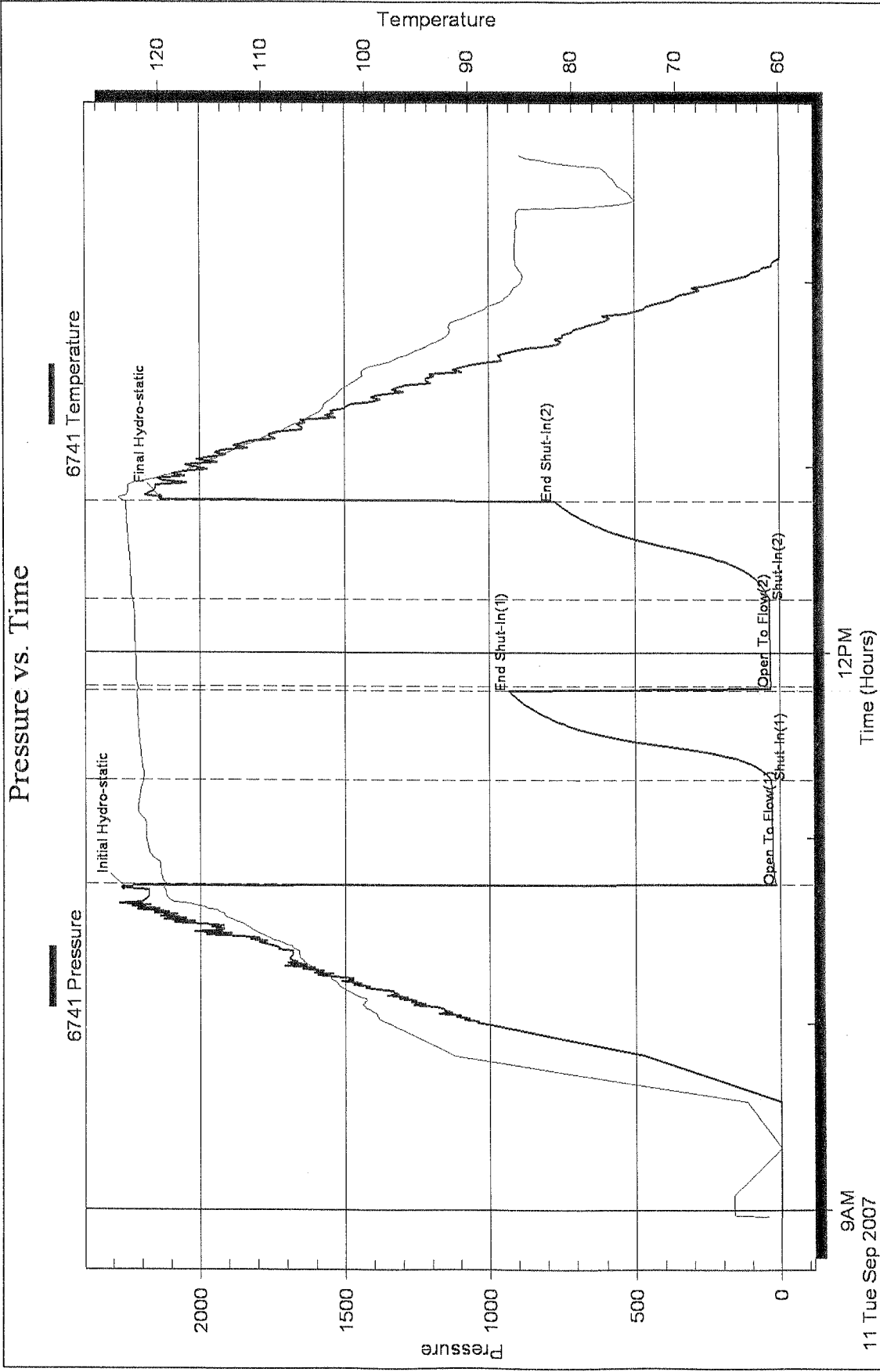
Inside

John O Farmer

11 17 25 Ness KS

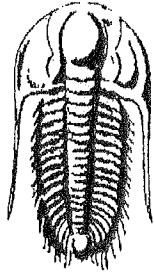
DST Test Number: 2

Pressure vs. Time



9AM
11 Tue Sep 2007

12PM
Time (Hours)



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell KS 67665

ATTN: John Farmer

11 17 25 Ness KS

Potter H # 1

Start Date: 2007.09.11 @ 15:49:20

End Date: 2007.09.11 @ 19:39:35

Job Ticket #: 28908 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer

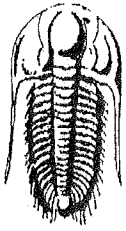
Potter H # 1

11 17 25 Ness KS

DST # 3

Miss

2007.09.11



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer
PO Box 352
Russell KS 67665
ATTN: John Farmer

Potter H # 1
11 17 25 Ness KS
Job Ticket: 28908 **DST#: 3**
Test Start: 2007.09.11 @ 15:49:20

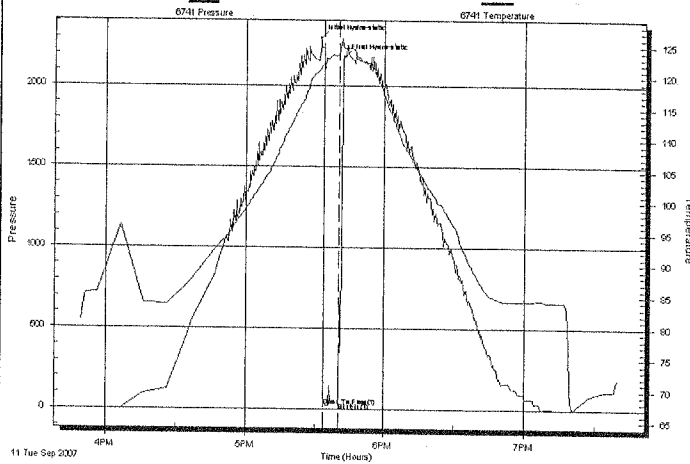
GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:34:00
Time Test Ended: 19:39:35
Interval: **4420.00 ft (KB) To 4454.00 ft (KB) (TVD)**
Total Depth: 4517.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Straddle
Tester: Dan Bangle
Unit No: 38
Reference Elevations: 2463.00 ft (KB)
2455.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6741 **Inside**
Press@RunDepth: psig @ 4421.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2007.09.11 End Date: 2007.09.11 Last Calib.: 2007.09.11
Start Time: 15:49:22 End Time: 19:39:35 Time On Btm: 2007.09.11 @ 17:32:20
Time Off Btm: 2007.09.11 @ 17:42:20

TEST COMMENT: IF Weak building to 1 " lost packer seat reset tool lost mud

Pressure vs. Time



PRESSURE SUMMARY

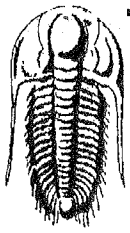
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2295.57	121.36	Initial Hydro-static
2	15.83	120.82	Open To Flow (1)
8	43.47	123.52	Shut-In(1)
10	2175.25	124.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	Mud w/ scum of Oil on top	3.21

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

Potter H # 1

PO Box 352
Russell KS 67665

11 17 25 Ness KS

ATTN: John Farmer

Job Ticket: 28908

DST#: 3

Test Start: 2007.09.11 @ 15:49:20

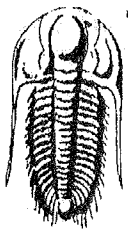
Tool Information

Drill Pipe:	Length: 4370.00 ft	Diameter: 3.80 inches	Volume: 61.30 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: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume:	61.45 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4420.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	4454.00 ft			
Interval between Packers:	34.00 ft			
Tool Length:	121.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4397.00	
Shut In Tool	5.00			4402.00	
Hydraulic tool	5.00			4407.00	
Safety Joint	3.00			4410.00	
Packer	5.00			4415.00	24.00 Bottom Of Top Packer
Packer	5.00			4420.00	
Stubb	1.00			4421.00	
Recorder	0.00	6741	Inside	4421.00	
Perforations	29.00			4450.00	
Recorder	0.00	13254	Outside	4450.00	
Blank Off Sub	1.00			4451.00	
Blank Spacing	3.00			4454.00	34.00 Tool Interval
Packer	2.00			4456.00	
Stubb	1.00			4457.00	
Perforations	1.00			4458.00	
Change Over Sub	1.00			4459.00	
Recorder	0.00	13248	Outside	4459.00	
Drill Pipe	58.00			4517.00	63.00 Bottom Packers & Anchor

Total Tool Length: 121.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

Potter H # 1

PO Box 352
Russell KS 67665

11 17 25 Ness KS

Job Ticket: 28908

DST#: 3

ATTN: John Farmer

Test Start: 2007.09.11 @ 15:49:20

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	Mud w/ scum of Oil on top	3.206

Total Length: 248.00 ft

Total Volume: 3.206 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

