

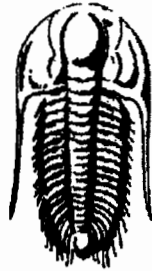
15-119-21118

27-33s-30w

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 19 2003

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Resources**

150 N. Main Suite 905
Wichita, KS 67202

**RELEASED
FROM
CONFIDENTIAL**

ATTN: Dave Callewaert

^w
27-33-30s Meade

Longhofer 1-27

Start Date: 2003.11.17 @ 00:25:16

End Date: 2003.11.17 @ 11:11:16

Job Ticket #: 17984 DST #: 1

Eagle Creek Resources

Longhofer 1-27

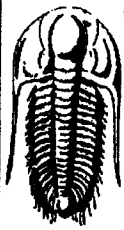
27-33-30s Meade

DST # 1

Novinger

2003.11.17

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Eagle Creek Resources

150 N. Main, Suite 905
Wichita, KS 67202

ATTN: Dave Callew aert

Longhofer 1-27

27-33-30s Meade

Job Ticket: 17984

DST#: 1

Test Start: 2003.11.17 @ 00:25:16

GENERAL INFORMATION:

Formation: **Novinger**

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

Time Tool Opened: 03:12:16

Time Test Ended: 11:11:16

Interval: **5261.00 ft (KB) To 5281.00 ft (KB) (TVD)**

Total Depth: **5281.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**

Tester: **Nathan**

Unit No: **16**

Reference Elevations: **2701.00 ft (KB)**

2696.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 3310

Inside

Press@RunDepth: **664.39 psig @ 5262.00 ft (KB)**

Start Date: **2003.11.17**

End Date:

2003.11.17

Start Time: **00:25:17**

End Time:

11:11:16

Capacity: **7000.00 psig**

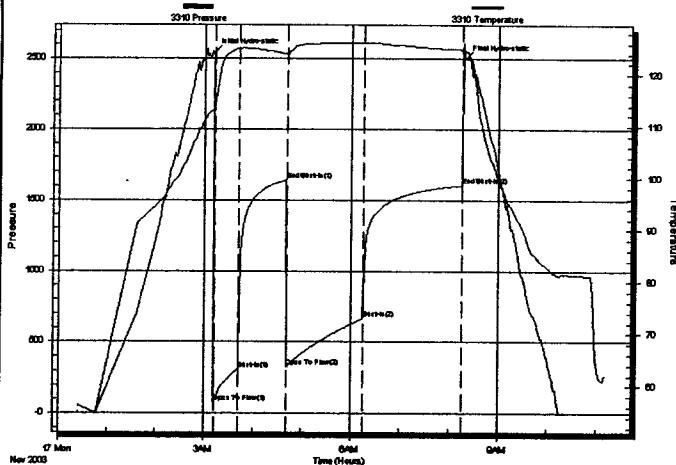
Last Calib.: **1899.12.30**

Time On Btrc: **2003.11.17 @ 03:11:16**

Time Off Btrc: **2003.11.17 @ 08:19:16**

TEST COMMENT: IF- Good blow building O.B.B. in 2min 45sec
IS- Weak blow building to 4 inches
FF- Fair blow O.B.B. in 4min. 30sec
FS- No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2538.78	113.03	Initial Hydro-static
1	77.59	113.36	Open To Flow (1)
31	308.64	125.06	Shut-in(1)
90	1640.45	124.03	End Shut-in(1)
91	326.17	124.04	Open To Flow (2)
184	664.39	126.10	Shut-in(2)
305	1605.31	124.90	End Shut-in(2)
308	2498.52	124.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1240.00	gassy saltw ater 94%w ater 6%gas	13.79
248.00	GCMW 96%mud 1%w ater 3%gas	3.48

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eagle Creek Resources

Longhofer 1-27

150 N. Main, Suite 905
Wichita, KS 67202

27-33-30s Meade

Job Ticket: 17984

DST#: 1

ATTN: Dave Callew aert

Test Start: 2003.11.17 @ 00:25:16

Tool Information

Drill Pipe:	Length: 4869.00 ft	Diameter: 3.80 inches	Volume: 68.30 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 396.00 ft	Diameter: 2.25 inches	Volume: 1.95 bbl	Weight to Pull Loose: 86000.00 lb
			<u>Total Volume: 70.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	5261.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	47.00 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			5235.00	
Shut In Tool	5.00			5240.00	
Hydraulic tool	5.00			5245.00	
Jars	5.00			5250.00	
Safety Joint	2.00			5252.00	
Packer	4.00			5256.00	27.00 Bottom Of Top Packer
Packer	5.00			5261.00	
Stubb	1.00			5262.00	
Recorder	0.00	3310	Inside	5262.00	
Perforations	17.00			5279.00	
Recorder	0.00	13630	Outside	5279.00	
Bullnose	2.00			5281.00	20.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Resources

Longhofer 1-27

150 N. Main, Suite 905
Wichita, KS 67202

27-33-30s Meade

Job Ticket: 17984

DST#: 1

ATTN: Dave Callew aert

Test Start: 2003.11.17 @ 00:25:16

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:

24000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1240.00	gassy saltwater 94%w ater 6%gas	13.787
248.00	GCMW 96%mud 1%w ater 3%gas	3.479

Total Length: 1488.00 ft

Total Volume: 17.266 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

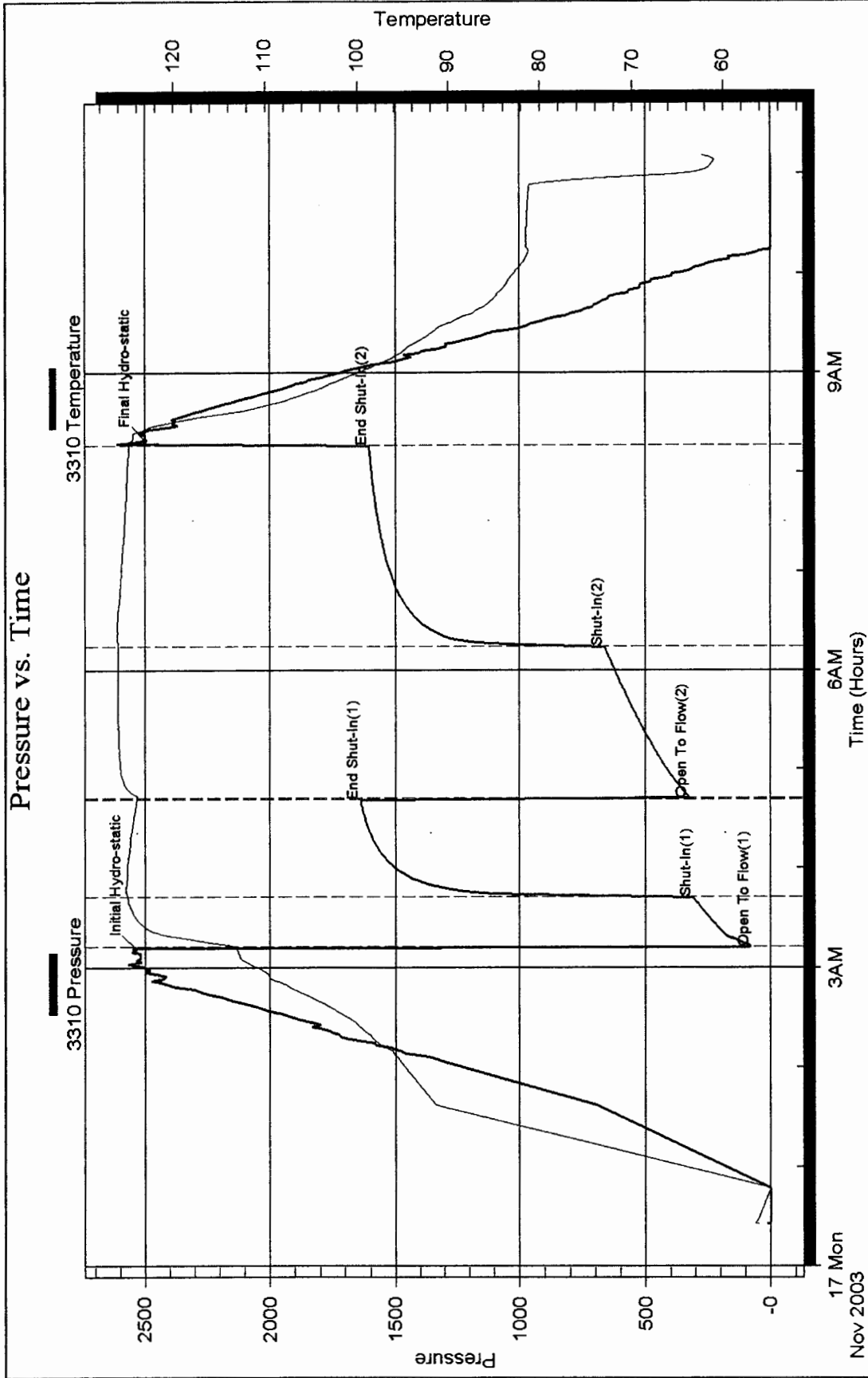
Serial #:

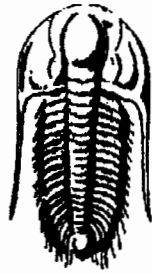
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Resources**

150 N. Main, Suite 905
Wichita, KS 67202

ATTN: Dave Callewaert

27-33-30s Meade

Longhofer 1-27

Start Date: 2003.11.19 @ 10:45:05

End Date: 2003.11.19 @ 20:37:24

Job Ticket #: 17288 . DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Eagle Creek Resources

Longhofer 1-27

27-33-30s Meade

DST # 2

Morrow

2003.11.19



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Eagle Creek Resources

Longhofer 1-27

150 N. Main, Suite 905
Wichita, KS 67202

27-33-30s Meade

Job Ticket: 17288

DST#: 2

ATTN: Dave Callew aert

Test Start: 2003.11.19 @ 10:45:05

GENERAL INFORMATION:

Formation: **Morrow**

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

Time Tool Opened: 13:23:05

Time Test Ended: 20:37:24

Test Type: **Conventional Bottom Hole**

Tester: **Blake Wallace**

Unit No: **20**

Interval: **5712.00 ft (KB) To 5784.00 ft (KB) (TVD)**

Reference Elevations: **2701.00 ft (KB)**

Total Depth: **5784.00 ft (KB) (TVD)**

2696.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **5.00 ft**

Serial #: 6769

Inside

Press@RunDepth: **26.52 psig @ 5715.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2003.11.19**

End Date: **2003.11.19**

Last Calib.: **1899.12.30**

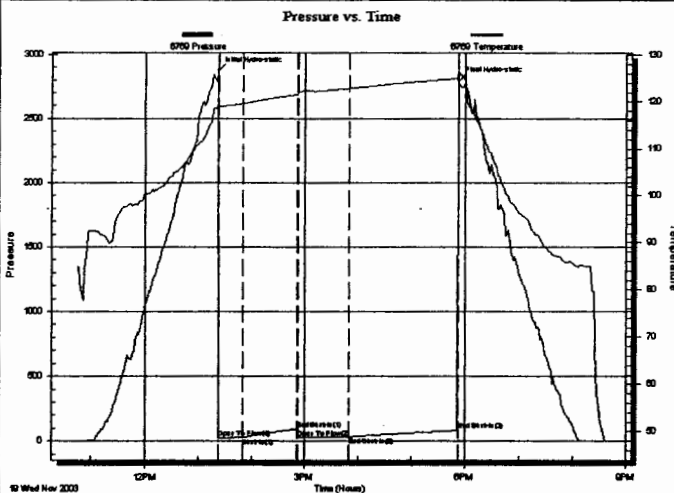
Start Time: **10:45:06**

End Time: **20:37:24**

Time On Btm: **2003.11.19 @ 13:21:55**

Time Off Btm: **2003.11.19 @ 17:52:25**

TEST COMMENT: F-weak blow built to 4 inches
IS-no blow back
FF-weak surface blow died in 42 min
FSI-no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2872.57	119.44	Initial Hydro-static
2	25.59	119.01	Open To Flow (1)
29	26.52	119.68	Shut-in(1)
90	95.03	121.56	End Shut-in(1)
91	26.32	121.99	Open To Flow (2)
149	35.09	122.88	End Shut-in(2)
270	82.91	124.99	End Shut-in(3)
271	2792.81	126.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% mud	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eagle Creek Resources

Longhofer 1-27

150 N. Main, Suite 905
Wichita, KS 67202

27-33-30s Meade

Job Ticket: 17288

DST#: 2

ATTN: Dave Callew aert

Test Start: 2003.11.19 @ 10:45:05

Tool Information

Drill Pipe:	Length: 5303.00 ft	Diameter: 3.80 inches	Volume: 74.39 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: 395.00 ft	Diameter: 2.25 inches	Volume: 1.94 bbl	Weight to Pull Loose: 88000.00 lb
			<u>Total Volume: 76.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 77000.00 lb
Depth to Top Packer:	5712.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	99.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5690.00	
Hydraulic tool	5.00			5695.00	
Jars	5.00			5700.00	
Safety Joint	3.00			5703.00	
Packer	5.00			5708.00	27.00 Bottom Of Top Packer
Packer	4.00			5712.00	
Stubb	1.00			5713.00	
Perforations	2.00			5715.00	
Recorder	0.00	6769	Inside	5715.00	
Perforations	20.00			5735.00	
Change Over Sub	1.00			5736.00	
Blank Spacing	31.00			5767.00	
Change Over Sub	1.00			5768.00	
Perforations	13.00			5781.00	
Recorder	0.00	11019		5781.00	
Bullnose	3.00			5784.00	72.00 Bottom Packers & Anchor
Total Tool Length:	99.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Resources

Longhofer 1-27

150 N. Main, Suite 905
Wichita, KS 67202

27-33-30s Meade

Job Ticket: 17288

DST#: 2

ATTN: Dave Callew aert

Test Start: 2003.11.19 @ 10:45:05

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100% mud	0.148

Total Length: 30.00 ft

Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

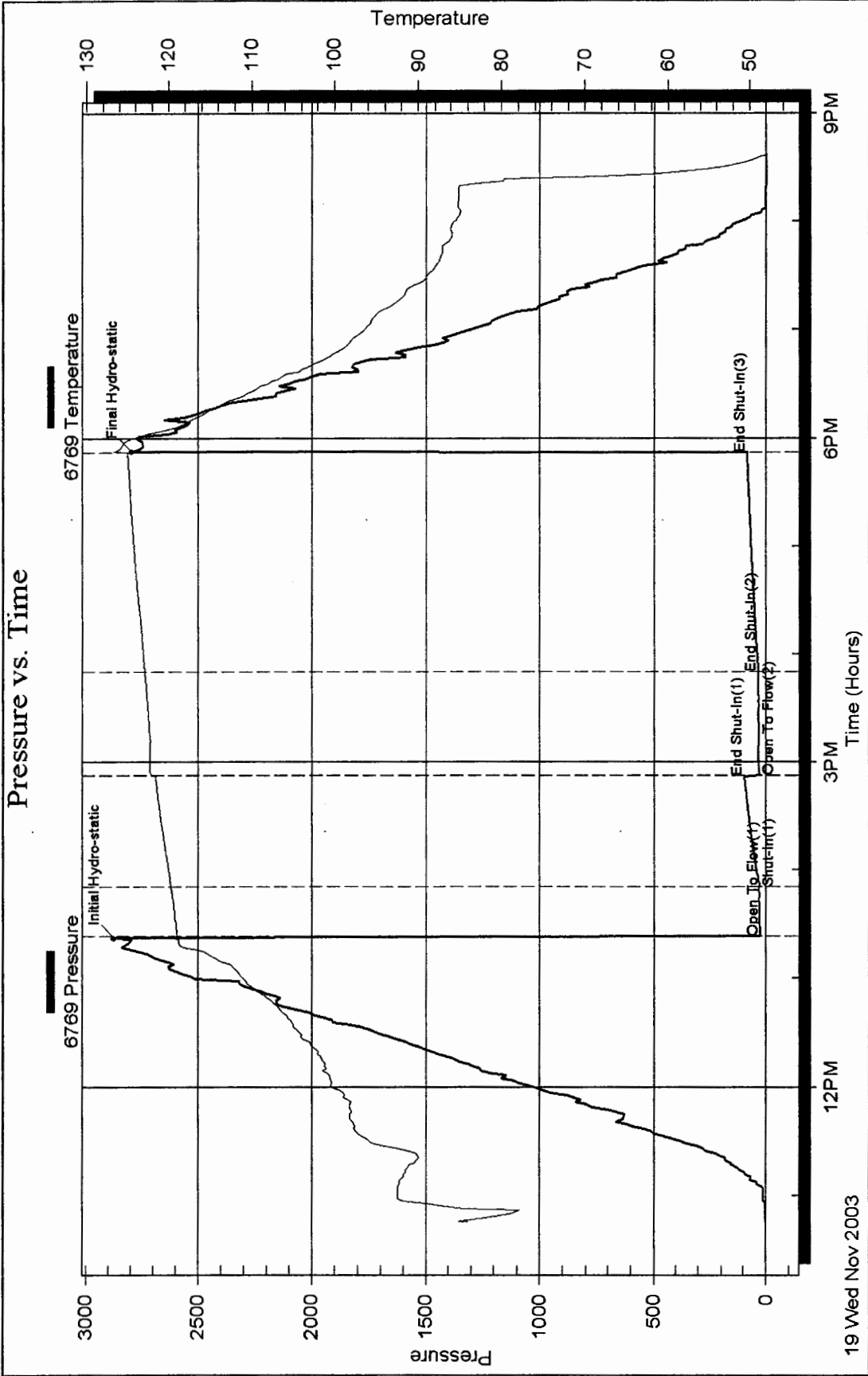
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



19 Wed Nov 2003



DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Resources**

150 N. Main, Suite 905
Wichita, KS 67202

ATTN: Dave Callewaert

27-33-30s Meade

Longhofer 1-27

Start Date: 2003.11.20 @ 09:00:54

End Date: 2003.11.20 @ 16:04:54

Job Ticket #: 17289 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Eagle Creek Resources

Longhofer 1-27

27-33-30s Meade

DST # 3

Lwr Morrow

2003.11.20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Eagle Creek Resources
150 N. Main, Suite 905
Wichita, KS 67202
ATTN: Dave Callew aert

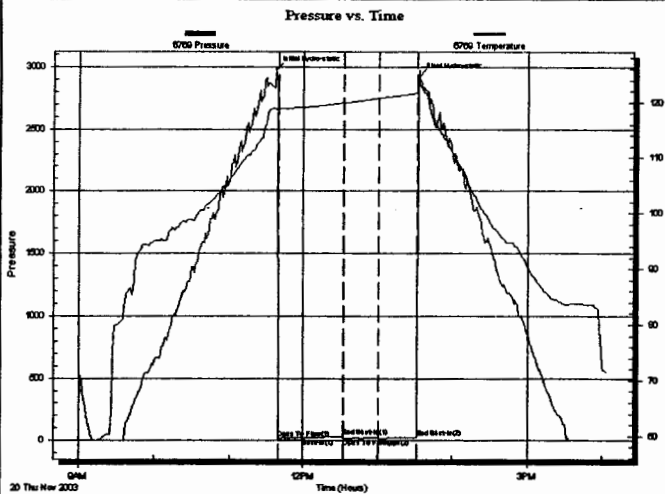
Longhofer 1-27
27-33-30s Meade
Job Ticket: 17289 **DST#: 3**
Test Start: 2003.11.20 @ 09:00:54

GENERAL INFORMATION:

Formation: **Lwr Morrow**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 11:40:14
Time Test Ended: 16:04:54
Interval: **5816.00 ft (KB) To 5845.00 ft (KB) (TVD)**
Total Depth: **5845.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Blake Wallace**
Unit No: **20**
Reference Elevations: **2701.00 ft (KB)**
2696.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6769 **Inside**
Press@RunDepth: **20.81 psig @ 5819.00 ft (KB)**
Start Date: **2003.11.20** End Date: **2003.11.20**
Start Time: **09:00:55** End Time: **16:04:54**
Capacity: **7000.00 psig**
Last Calib.: **1899.12.30**
Time On Btrm: **2003.11.20 @ 11:37:54**
Time Off Btrm: **2003.11.20 @ 13:32:44**

TEST COMMENT: F-weak blow built to 1 inch
IS-no blow back
FF-no blow
FSI-no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2977.31	118.94	Initial Hydro-static
3	19.44	118.59	Open To Flow (1)
22	20.99	119.07	Shut-In(1)
55	34.75	119.90	End Shut-In(1)
55	19.27	119.90	Open To Flow (2)
83	20.81	120.73	Shut-In(2)
114	27.29	121.66	End Shut-In(2)
115	2926.01	125.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eagle Creek Resources

Longhofer 1-27

150 N. Main, Suite 905
Wichita, KS 67202

27-33-30s Meade

Job Ticket: 17289

DST#: 3

ATTN: Dave Callew aert

Test Start: 2003.11.20 @ 09:00:54

Tool Information

Drill Pipe:	Length: 5397.00 ft	Diameter: 3.80 inches	Volume: 75.71 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: 395.00 ft	Diameter: 2.25 inches	Volume: 1.94 bbl	Weight to Pull Loose: 92000.00 lb
			<u>Total Volume: 77.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5816.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5794.00	
Hydraulic tool	5.00			5799.00	
Jars	5.00			5804.00	
Safety Joint	3.00			5807.00	
Packer	5.00			5812.00	27.00 Bottom Of Top Packer
Packer	4.00			5816.00	
Stubb	1.00			5817.00	
Perforations	2.00			5819.00	
Recorder	0.00	6769	Inside	5819.00	
Perforations	23.00			5842.00	
Recorder	0.00	11019		5842.00	
Bullnose	3.00			5845.00	29.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Resources

Longhofer 1-27

150 N. Main, Suite 905
Wichita, KS 67202

27-33-30s Meade

Job Ticket: 17289

DST#: 3

ATTN: Dave Callew aert

Test Start: 2003.11.20 @ 09:00:54

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.59 in³

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
15.00	100% Mud	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

