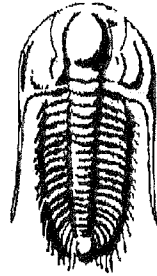


15-179-21242

21-95-26w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Anderson- A&A production**

P.O. Box 100
Hill City KS 67642

ATTN: Herb Deines

21 9 26 Sheridan KS

Foster 21-1

Start Date: 2009.10.04 @ 07:40:42

End Date: 2009.10.04 @ 15:21:12

Job Ticket #: 35874 DST #: 1

15-179-21242-00-00

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Anderson- A&A production

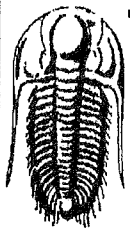
Foster 21-1

21 9 26 Sheridan KS

DST # 1

LKC-A-E

2009.10.04



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Anderson- A&A production

Foster 21-1

P.O. Box 100
Hill City KS 67642

21 9 26 Sheridan KS

Job Ticket: 35874 **DST#: 1**

ATTN: Herb Deines

Test Start: 2009.10.04 @ 07:40:42

GENERAL INFORMATION:

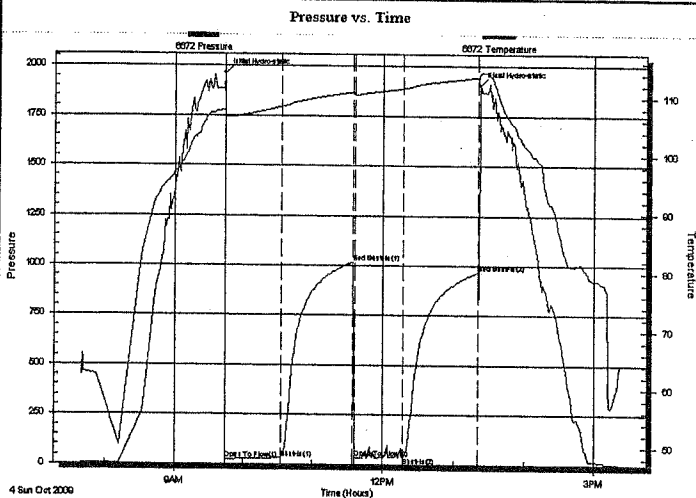
Formation: **LKC-A-E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:44:42
 Time Test Ended: 15:21:12
 Interval: **3894.00 ft (KB) To 3972.00 ft (KB) (TVD)**
 Total Depth: **3972.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Chuck Kreutzer**
 Unit No: **36**
 Reference Elevations: **2676.00 ft (KB)**
2672.00 ft (CF)
 KB to GR/CF: **4.00 ft**

Serial #: 6672

Inside

Press@RunDepth: **38.73 psig @ 3906.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2009.10.04** End Date: **2009.10.04** Last Calib.: **2009.10.04**
 Start Time: **07:40:47** End Time: **15:21:11** Time On Btm: **2009.10.04 @ 09:44:12**
 Time Off Btm: **2009.10.04 @ 13:22:11**

TEST COMMENT: IF: Weak surface blow built to 1 in. over 45 mins.
 IS: No blow back over 60 mins.
 FF: No blow over 45 mins.
 FS: No blow back over 60 mins.



PRESSURE SUMMARY

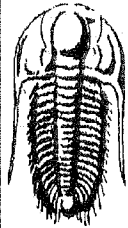
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1963.75	107.65	Initial Hydro-static
1	23.51	106.64	Open To Flow (1)
49	30.57	108.41	Shut-In(1)
111	1016.85	111.01	End Shut-In(1)
112	31.97	110.56	Open To Flow (2)
153	38.73	111.62	Shut-In(2)
217	965.92	113.58	End Shut-In(2)
218	1905.92	114.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud with oil specs	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anderson- A&A production

Foster 21-1

P.O. Box 100
Hill City KS 67642

21 9 26 Sheridan KS

Job Ticket: 35874

DST#: 1

ATTN: Herb Deines

Test Start: 2009.10.04 @ 07:40:42

Tool Information

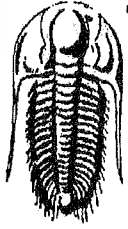
Drill Pipe:	Length: 3902.00 ft	Diameter: 3.80 inches	Volume: 54.73 bbl	Tool Weight: 2800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 54.73 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3894.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	98.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3879.00	
Hydraulic tool	5.00			3884.00	
Packer	5.00			3889.00	20.00 Bottom Of Top Packer
Packer	5.00			3894.00	
Stubb	1.00			3895.00	
Perforations	10.00			3905.00	
Change Over Sub	1.00			3906.00	
Recorder	0.00	6672	Inside	3906.00	
Recorder	0.00	6752	Inside	3906.00	
Blank Spacing	62.00			3968.00	
Change Over Sub	1.00			3969.00	
Bullnose	3.00			3972.00	78.00 Bottom Packers & Anchor

Total Tool Length: 98.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anderson- A&A production

Foster 21-1

P.O. Box 100
Hill City KS 67642

21 9 26 Sheridan KS

Job Ticket: 35874

DST#: 1

ATTN: Herb Deines

Test Start: 2009.10.04 @ 07:40:42

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud with oil specs	0.421

Total Length: 30.00 ft

Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

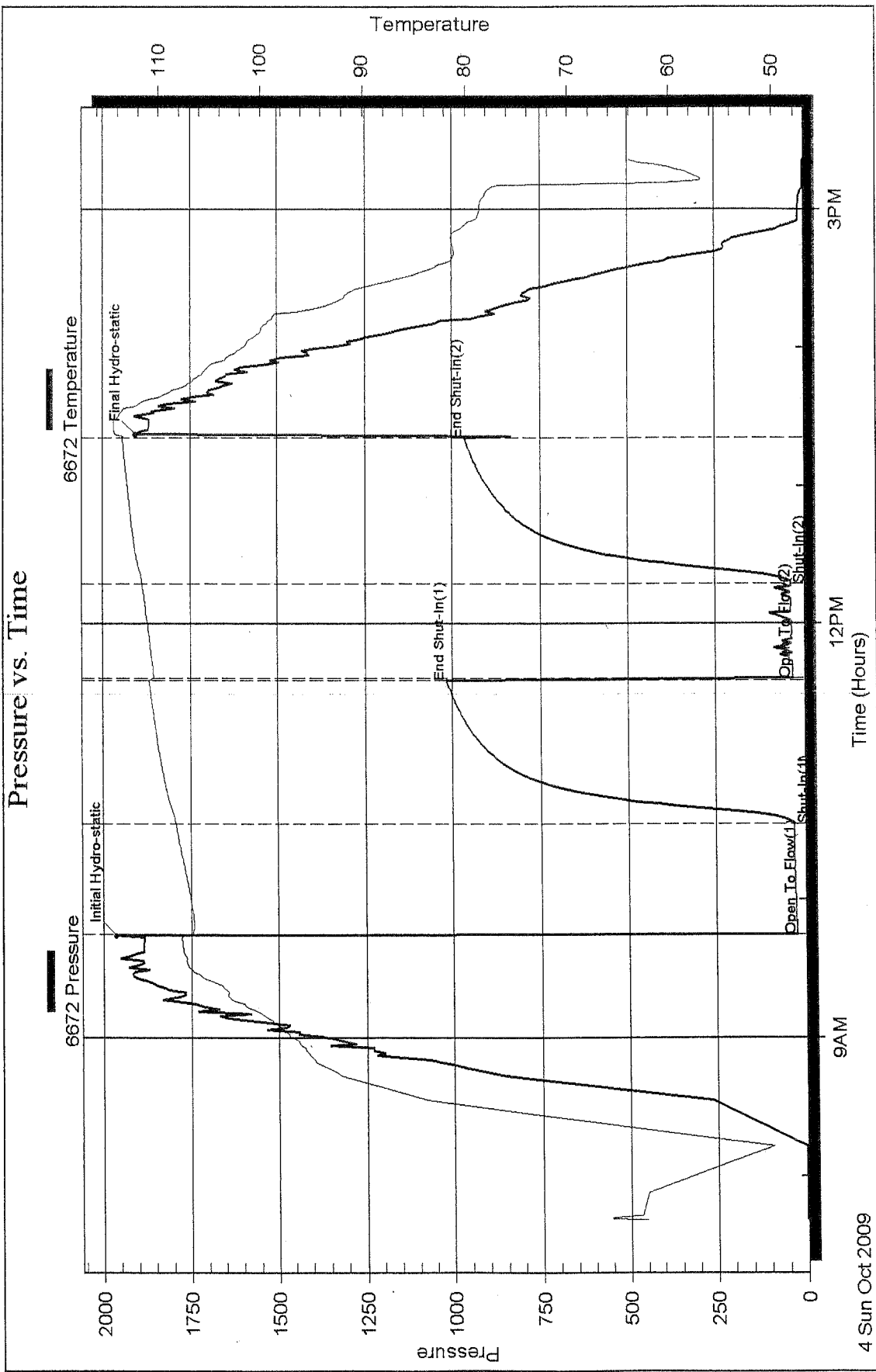
Serial #:

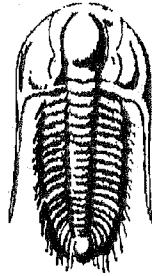
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Anderson- A&A production**

P.O. Box 100
Hill City KS 67642

ATTN: Herb Deines

21 9 26 Sheridan KS

Foster 21-1

Start Date: 2009.10.05 @ 05:20:00

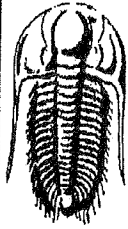
End Date: 2009.10.05 @ 13:42:30

Job Ticket #: 35875 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Anderson- A&A production

Foster 21-1

P.O. Box 100
Hill City KS 67642

21 9 26 Sheridan KS

Job Ticket: 35875 **DST#: 2**

ATTN: Herb Deines

Test Start: 2009.10.05 @ 05:20:00

GENERAL INFORMATION:

Formation: **LKC-F,G,H**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:17:30
 Time Test Ended: 13:42:30

Test Type: Conventional Bottom Hole
 Tester: Chuck Kreutzer
 Unit No: 36

Interval: **3958.00 ft (KB) To 4040.00 ft (KB) (TVD)**
 Total Depth: 4040.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2676.00 ft (KB)
 2672.00 ft (CF)
 KB to GR/CF: 4.00 ft

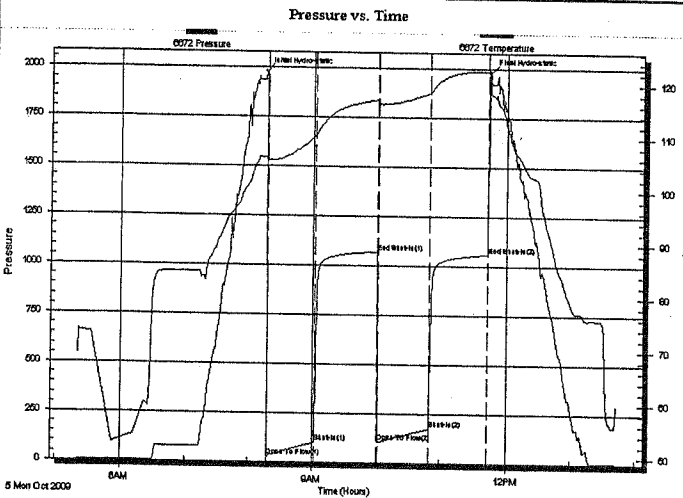
Serial #: 6672

Inside

Press@RunDepth: 173.79 psig @ 3974.00 ft (KB)
 Start Date: 2009.10.05 End Date: 2009.10.05
 Start Time: 05:20:05 End Time: 13:42:29

Capacity: 8000.00 psig
 Last Calib.: 2009.10.05
 Time On Btm: 2009.10.05 @ 08:15:30
 Time Off Btm: 2009.10.05 @ 11:45:00

TEST COMMENT: IF: Fair blow, B.O.B in 32 mins.
 IS: Bled off, no blow backover 60 mins.
 FF: Weak blow, built to 4 in. over 45 mins.
 FS: Bled off, No blow back over 60 mins.



PRESSURE SUMMARY

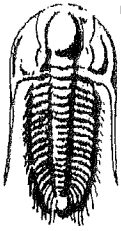
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1980.19	106.10	Initial Hydro-static
2	28.26	105.68	Open To Flow (1)
46	100.47	110.16	Shut-In(1)
105	1070.68	117.15	End Shut-In(1)
106	104.72	116.56	Open To Flow (2)
155	173.79	118.44	Shut-In(2)
208	1059.52	122.65	End Shut-In(2)
210	1983.82	119.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw -5% m 95% w	2.61
62.00	mcw -20% m 80% w	0.87
62.00	mcw -40% m 60% w	0.87
10.00	w cm -20% w 80% m	0.14

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anderson- A&A production

Foster 21-1

P.O. Box 100
Hill City KS 67642

21 9 26 Sheridan KS

Job Ticket: 35875

DST#:2

ATTN: Herb Deines

Test Start: 2009.10.05 @ 05:20:00

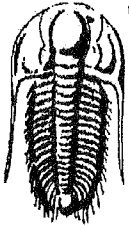
Tool Information

Drill Pipe:	Length: 3953.00 ft	Diameter: 3.80 inches	Volume: 55.45 bbl	Tool Weight: 2800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 55.45 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3958.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	102.00 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			3943.00	
Hydraulic tool	5.00			3948.00	
Packer	5.00			3953.00	20.00 Bottom Of Top Packer
Packer	5.00			3958.00	
Stubb	1.00			3959.00	
Perforations	14.00			3973.00	
Change Over Sub	1.00			3974.00	
Recorder	0.00	6672	inside	3974.00	
Recorder	0.00	6752	inside	3974.00	
Blank Spacing	62.00			4036.00	
Change Over Sub	1.00			4037.00	
Bullnose	3.00			4040.00	82.00 Bottom Packers & Anchor

Total Tool Length: 102.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anderson- A&A production

Foster 21-1

P.O. Box 100
Hill City KS 67642

21 9 26 Sheridan KS

Job Ticket: 35875

DST#: 2

ATTN: Herb Deines

Test Start: 2009.10.05 @ 05:20:00

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:

30000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.37 in³

Gas Cushion Type:

Resistivity: 0.28 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
186.00	mcw-5% <i>m</i> 95% <i>w</i>	2.609
62.00	mcw-20% <i>m</i> 80% <i>w</i>	0.870
62.00	mcw-40% <i>m</i> 60% <i>w</i>	0.870
10.00	w cm-20% <i>w</i> 80% <i>m</i>	0.140

Total Length: 320.00 ft Total Volume: 4.489 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

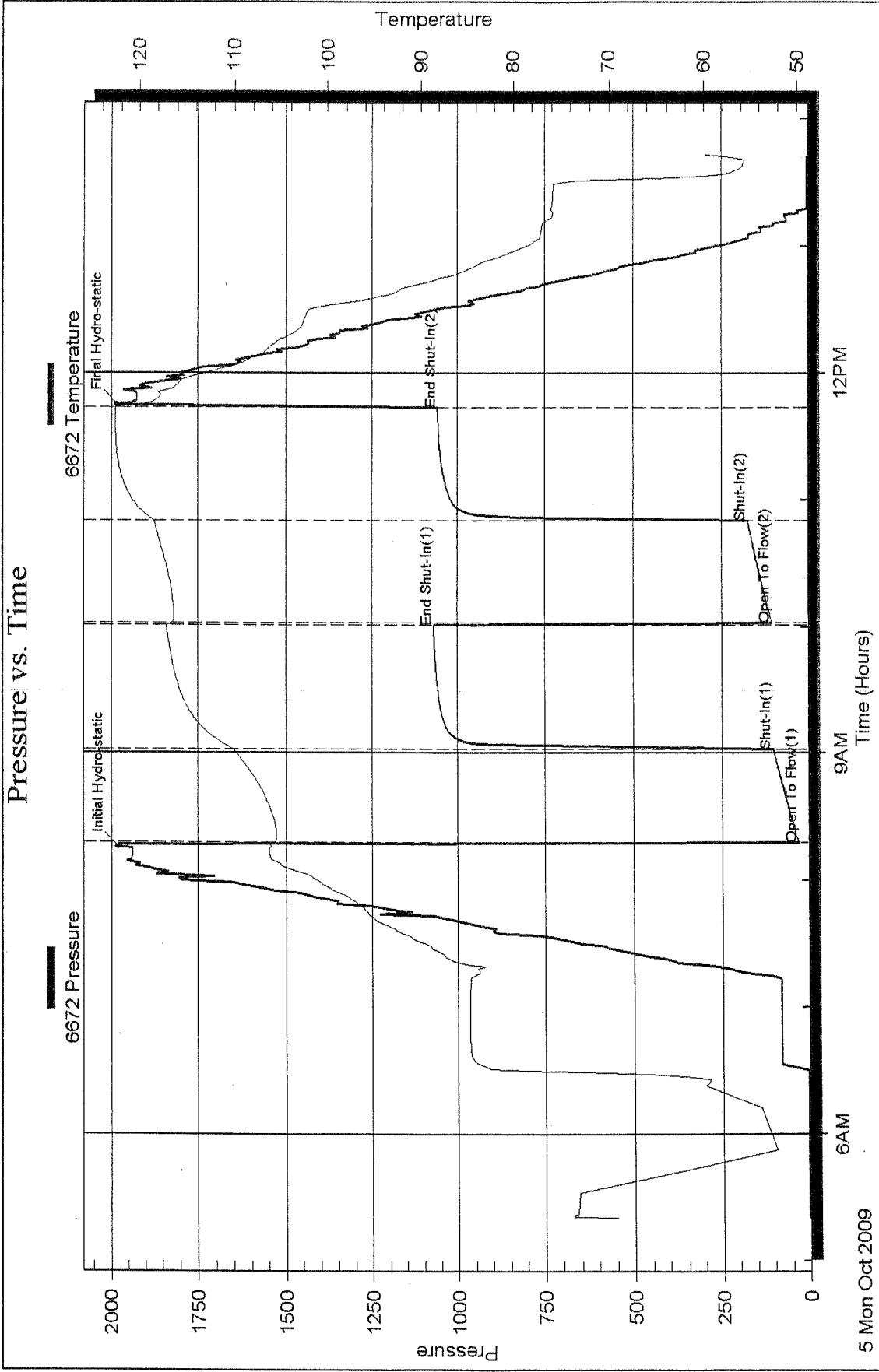
Serial #:

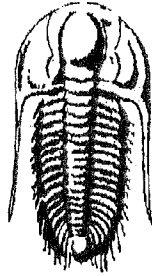
Laboratory Name:

Laboratory Location:

Recovery Comments: RW .28 @ 59.8F = 33000 chlorides

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Anderson- A&A production**

P.O. Box 100
Hill City KS 67642

ATTN: Herb Deines

21 9 26 Sheridan KS

Foster 21-1

Start Date: 2009.10.06 @ 02:10:00

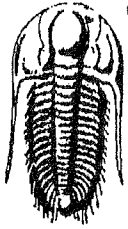
End Date: 2009.10.06 @ 10:04:00

Job Ticket #: 35476 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Anderson- A&A production

Foster 21-1

P.O. Box 100
Hill City KS 67642

21 9 26 Sheridan KS

ATTN: Herb Deines

Job Ticket: 35476

DST#: 3

Test Start: 2009.10.06 @ 02:10:00

GENERAL INFORMATION:

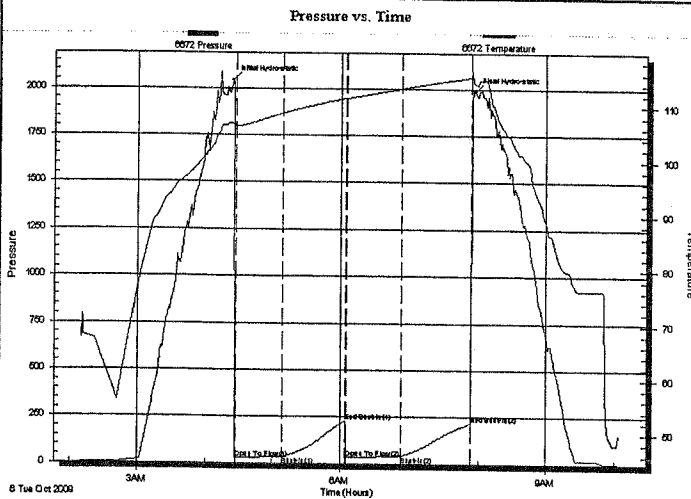
Formation: **LKC-J,K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:27:00
 Time Test Ended: 10:04:00
 Interval: **4051.00 ft (KB) To 4105.00 ft (KB) (TVD)**
 Total Depth: 4105.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Chuck Kreutzer
 Unit No: 36
 Reference Elevations: 2676.00 ft (KB)
 2672.00 ft (CF)
 KB to GR/CF: 4.00 ft

Serial #: 6672

Inside

Press@RunDepth: 39.25 psig @ 4070.00 ft (KB)
 Start Date: 2009.10.06 End Date: 2009.10.06
 Start Time: 02:10:05 End Time: 10:03:59
 Capacity: 8000.00 psig
 Last Calib.: 2009.10.06
 Time On Btm: 2009.10.06 @ 04:24:30
 Time Off Btm: 2009.10.06 @ 07:57:00

TEST COMMENT:



PRESSURE SUMMARY

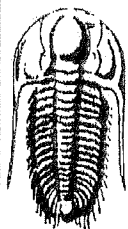
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2043.57	106.65	Initial Hydro-static
3	27.27	106.34	Open To Flow (1)
45	33.95	108.75	Shut-In(1)
100	227.21	111.55	End Shut-In(1)
101	32.41	111.47	Open To Flow(2)
148	39.25	113.30	Shut-In(2)
210	216.80	115.40	End Shut-In(2)
213	1986.65	114.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
33.00	hocm-65%o35%am	0.46

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anderson- A&A production

Foster 21-1

P.O. Box 100
Hill City KS 67642

21 9 26 Sheridan KS

Job Ticket: 35476

DST#: 3

ATTN: Herb Deines

Test Start: 2009.10.06 @ 02:10:00

Tool Information

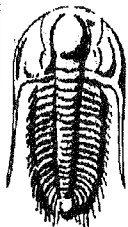
Drill Pipe:	Length: 4046.00 ft	Diameter: 3.80 inches	Volume: 56.75 bbl	Tool Weight: 2800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 28000.00 lb
			<u>Total Volume: 56.75 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4051.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	74.00 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			4036.00	
Hydraulic tool	5.00			4041.00	
Packer	5.00			4046.00	20.00 Bottom Of Top Packer
Packer	5.00			4051.00	
Stubb	1.00			4052.00	
Perforations	17.00			4069.00	
Change Over Sub	1.00			4070.00	
Recorder	0.00	6672	Inside	4070.00	
Recorder	0.00	6752	Inside	4070.00	
Blank Spacing	31.00			4101.00	
Change Over Sub	1.00			4102.00	
Bullnose	3.00			4105.00	54.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anderson- A&A production

Foster 21-1

P.O. Box 100
Hill City KS 67642

21 9 26 Sheridan KS

Job Ticket: 35476

DST#: 3

ATTN: Herb Deines

Test Start: 2009.10.06 @ 02:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 9.09 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
33.00	hocm-65%o35% <i>m</i>	0.463

Total Length: 33.00 ft

Total Volume: 0.463 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

