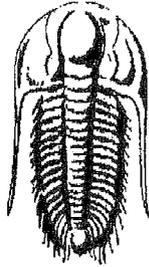


31-12s-19w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pioneer Resources**

177 W Limestone Rd
Phillipsburg KS 67661

ATTN: Randy Killian

31 12S 19 W Ellis KS

Schoenthaler A-2

Start Date: 2006.05.08 @ 18:35:42

End Date: 2006.05.09 @ 01:12:10

Job Ticket #: 24791 DST #: 1

15-051-26508-00-00

RECEIVED

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KCC WICHITA

Pioneer Resources

Schoenthaler A-2

31 12S 19 W Ellis KS

DST # 1

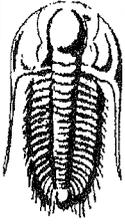
Tor - LKC "C"

2006.05.08

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pioneer Resources
 177 W Limestone Rd
 Phillipsburg KS 67661
 ATTN: Randy Killian

Schoenthaler A-2

31 12S 19 W Ellis KS

Job Ticket: 24791

DST#: 1

Test Start: 2006.05.08 @ 18:35:42

GENERAL INFORMATION:

Formation: **Tor. - LKC "C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:38:10
 Time Test Ended: 01:12:10
 Interval: **3433.00 ft (KB) To 3525.00 ft (KB) (TVD)**
 Total Depth: 3525.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

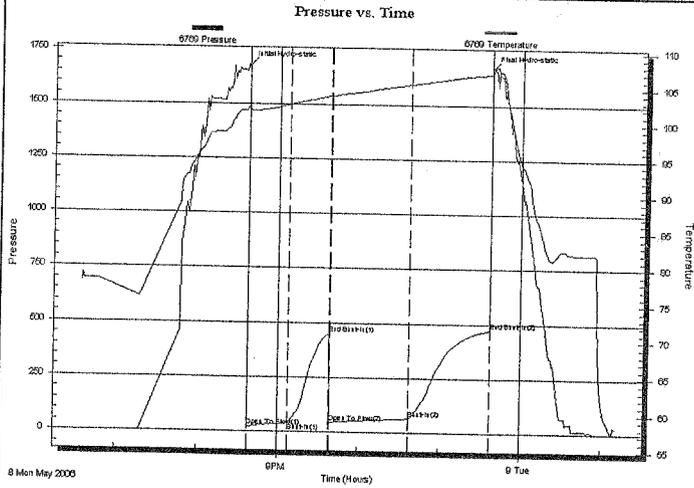
Test Type: Conventional Bottom Hole
 Tester: Brian Fairbank
 Unit No: 24
 Reference Elevations: 2169.00 ft (KB)
 2164.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6769

Inside

Press@RunDepth: 65.17 psig @ 3445.01 ft (KB)
 Start Date: 2006.05.08 End Date: 2006.05.09
 Start Time: 18:35:42 End Time: 01:12:10
 Capacity: 7000.00 psig
 Last Calib.: 2006.05.09
 Time On Btm: 2006.05.08 @ 20:37:55
 Time Off Btm: 2006.05.08 @ 23:37:55

TEST COMMENT: IFP Weak blow throughout sur - 2 1/2
 ISI No blow back
 FFP Weak to fair blow sur - 5 1/2
 FSI No blow back



PRESSURE SUMMARY

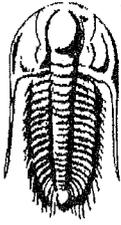
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1677.34	102.17	Initial Hydro-static
1	20.79	101.78	Open To Flow (1)
30	39.93	102.58	Shut-In(1)
60	450.38	103.80	End Shut-In(1)
61	42.79	103.73	Open To Flow (2)
120	65.17	105.47	Shut-In(2)
180	470.95	106.95	End Shut-In(2)
180	1671.69	107.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	SOCM 7% O 93% M	0.52

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pioneer Resources
177 W Limestone Rd
Phillipsburg KS 67661
ATTN: Randy Killian

Schoenthaler A-2
31 12S 19 W Ellis KS
Job Ticket: 24791 **DST#: 1**
Test Start: 2006.05.08 @ 18:35:42

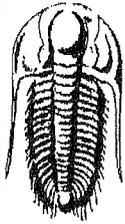
Tool Information

Drill Pipe:	Length: 3304.00 ft	Diameter: 3.80 inches	Volume: 46.35 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 46.95 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3433.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	92.02 ft			
Tool Length:	112.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3418.00	
HYD S.I. Tool	5.00			3423.00	
Packer	5.00			3428.00	20.00 Bottom Of Top Packer
Packer	5.00			3433.00	
Stubb	1.00			3434.00	
Perforations	10.00			3444.00	
C.O. Sub	1.00			3445.00	
Recorder	0.01	6769	Inside	3445.01	
Blank Spacing	62.00			3507.01	
C.O. Sub	1.00			3508.01	
Perforations	14.00			3522.01	
Recorder	0.01	13548	Outside	3522.02	
Bullnose	3.00			3525.02	92.02 Bottom Packers & Anchor

Total Tool Length: 112.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Resources
177 W Limestone Rd
Phillipsburg KS 67661
ATTN: Randy Killian

Schoenthaler A-2
31 12S 19 W Ellis KS
Job Ticket: 24791 **DST#: 1**
Test Start: 2006.05.08 @ 18:35:42

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.56 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	SOCM 7% O 93% M	0.516

Total Length: 105.00 ft Total Volume: 0.516 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 105' GIP

Serial #: 6769

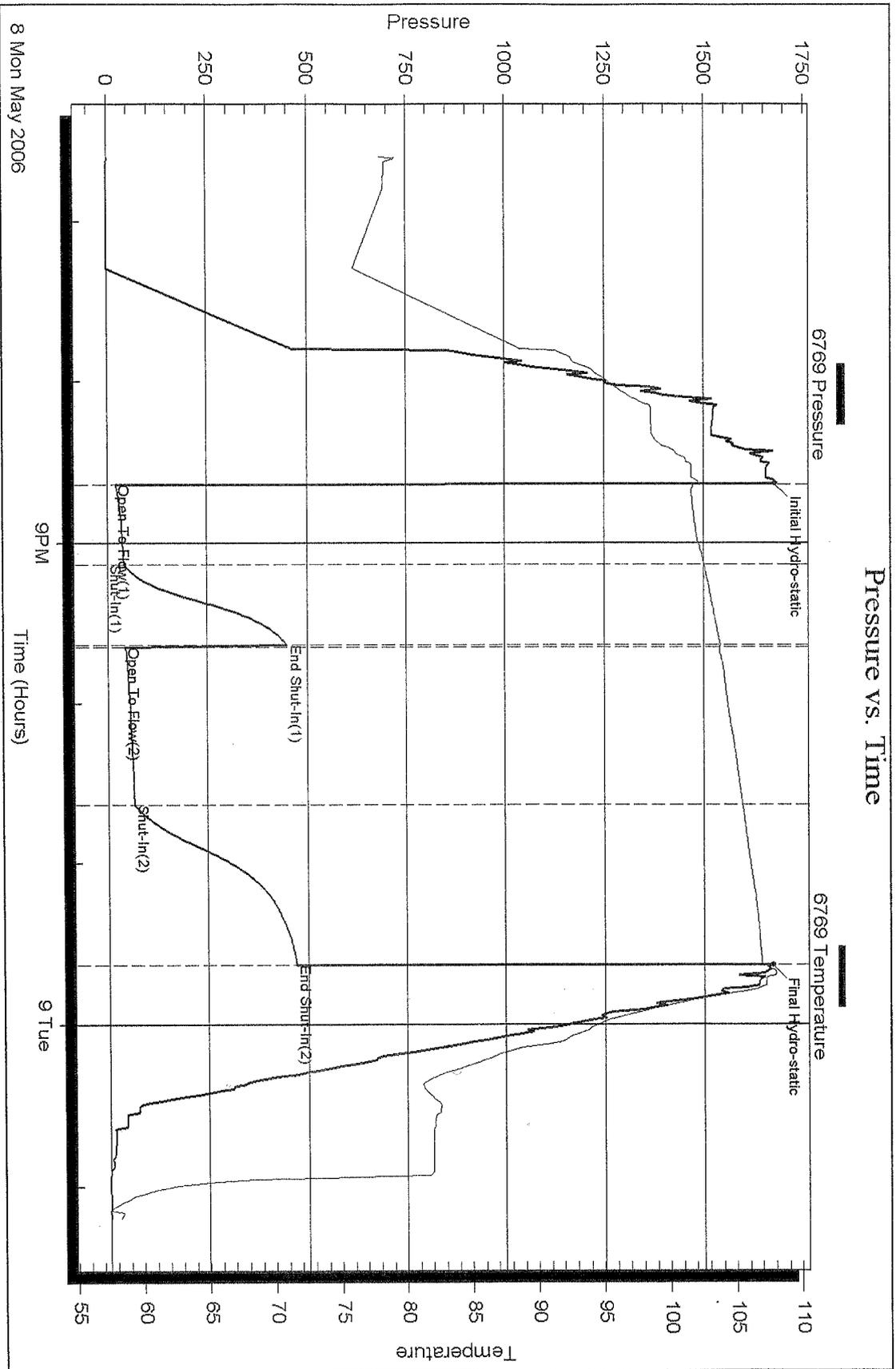
Inside

Pioneer Resources

31 12S 19 W Ellis KS

DST Test Number: 1

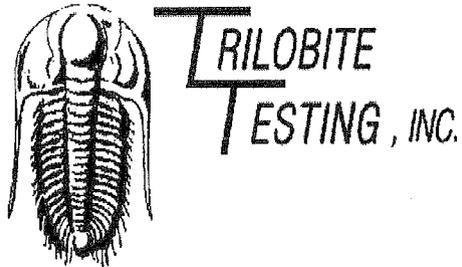
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 24791

Printed: 2006.05.11 @ 13:22:00 Page 5



DRILL STEM TEST REPORT

Prepared For: **Pioneer Resources**

177 W Limestone Rd
Phillipsburg KS 67661

ATTN: Randy Killian

31 12S 19 W Ellis KS

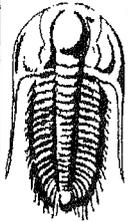
Schoenthaler A-2

Start Date: 2006.05.09 @ 08:41:48

End Date: 2006.05.09 @ 14:13:31

Job Ticket #: 24792 DST #: 2

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pioneer Resources
177 W Limestone Rd
Phillipsburg KS 67661
ATTN: Randy Killian

Schoenthaler A-2

31 12S 19 W Ellis KS

Job Ticket: 24792 DST#: 2
Test Start: 2006.05.09 @ 08:41:48

GENERAL INFORMATION:

Formation: **LKC "D-G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:28:46
Time Test Ended: 14:13:31

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 24

Interval: **3520.00 ft (KB) To 3585.00 ft (KB) (TVD)**
Total Depth: 3585.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2169.00 ft (KB)
2164.00 ft (CF)
KB to GR/CF: 5.00 ft

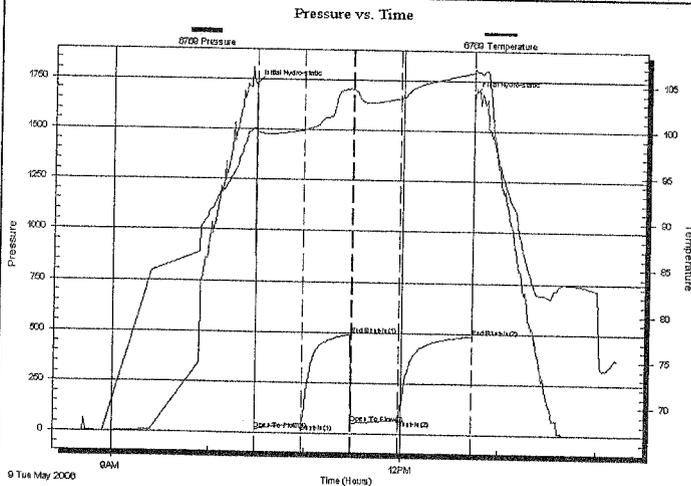
Serial #: 6769

Inside

Press@RunDepth: 72.11 psig @ 3532.01 ft (KB)
Start Date: 2006.05.09 End Date: 2006.05.09
Start Time: 08:41:48 End Time: 14:13:31

Capacity: 7000.00 psig
Last Calib.: 2006.05.09
Time On Btm: 2006.05.09 @ 10:28:31
Time Off Btm: 2006.05.09 @ 12:43:46

TEST COMMENT: IFP Weak blow throughout 1/4 - 2 1/2
ISI No blow back
FFP Weak blow throughout sur 1
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1723.43	100.11	Initial Hydro-static
1	18.06	99.23	Open To Flow (1)
30	49.43	99.98	Shut-In(1)
60	491.92	104.52	End Shut-In(1)
61	51.87	104.43	Open To Flow (2)
90	72.11	103.53	Shut-In(2)
135	487.81	106.42	End Shut-In(2)
136	1682.48	106.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	Mshow O M 100%M	0.52

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pioneer Resources
177 W Limestone Rd
Phillipsburg KS 67661

ATTN: Randy Killian

Schoenthaler A-2
31 12S 19 W Ellis KS
Job Ticket: 24792 **DST#: 2**
Test Start: 2006.05.09 @ 08:41:48

Tool Information

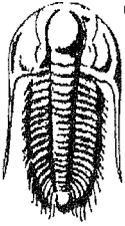
Drill Pipe:	Length: 3397.00 ft	Diameter: 3.80 inches	Volume: 47.65 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 48.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3520.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.02 ft			
Tool Length:	85.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3505.00	
HYD S.I. Tool	5.00			3510.00	
Packer	5.00			3515.00	20.00 Bottom Of Top Packer
Packer	5.00			3520.00	
Stubb	1.00			3521.00	
Perforations	10.00			3531.00	
C.O. Sub	1.00			3532.00	
Recorder	0.01	6769	Inside	3532.01	
Blank Spacing	31.00			3563.01	
C.O. Sub	1.00			3564.01	
Perforations	18.00			3582.01	
Recorder	0.01	13548	Outside	3582.02	
Bullhose	3.00			3585.02	65.02 Bottom Packers & Anchor

Total Tool Length: 85.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Resources
177 W Limestone Rd
Phillipsburg KS 67661
ATTN: Randy Killian

Schoenthaler A-2
31 12S 19 W Ellis KS
Job Ticket: 24792 **DST#: 2**
Test Start: 2006.05.09 @ 08:41:48

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.57 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	M show O M 100%M	0.516

Total Length: 105.00 ft Total Volume: 0.516 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 75' GIP

Serial #: 6769

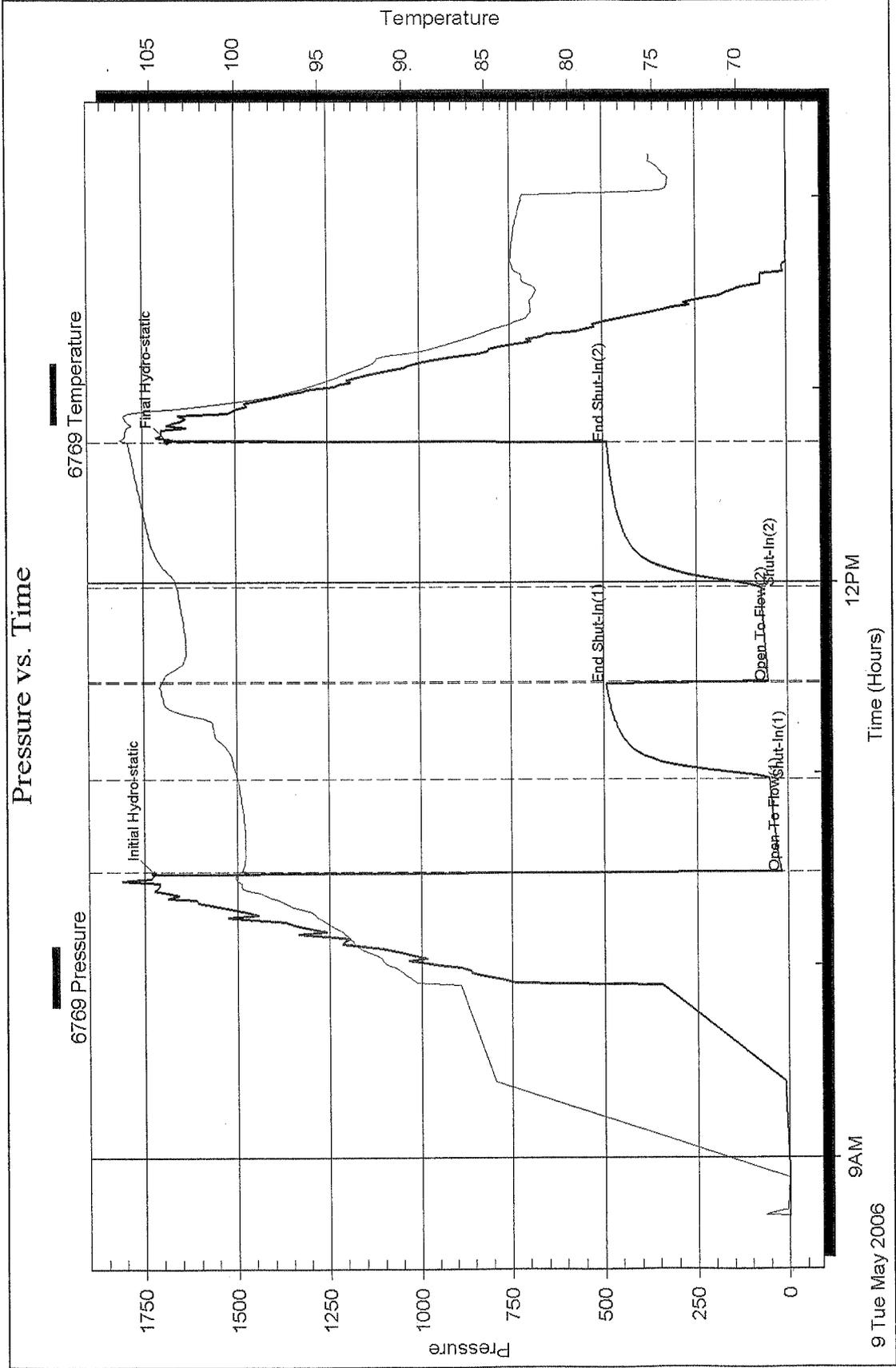
Inside

Pioneer Resources

31 12S 19 W Ellis KS

DST Test Number: 2

Pressure vs. Time

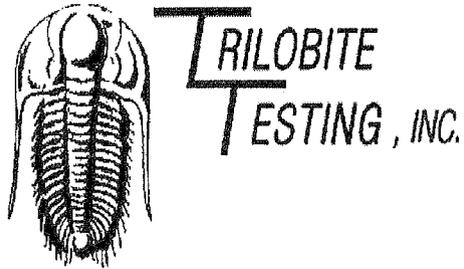


9 Tue May 2006

9AM

12PM

Time (Hours)



DRILL STEM TEST REPORT

Prepared For: **Pioneer Resources**

177 W Limestone Rd
Phillipsburg KS 67661

ATTN: Randy Killian

31 12S 19 W Ellis KS

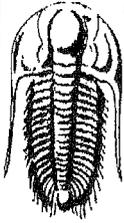
Schoenthaler A-2

Start Date: 2006.05.09 @ 23:18:37

End Date: 2006.05.10 @ 05:43:35

Job Ticket #: 24793 DST #: 3

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pioneer Resources
177 W Limestone Rd
Phillipsburg KS 67661
ATTN: Randy Killian

Schoenthaler A-2

31 12S 19 W Ellis KS

Job Ticket: 24793

DST#: 3

Test Start: 2006.05.09 @ 23:18:37

GENERAL INFORMATION:

Formation: **LKC "H-K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:07:20
Time Test Ended: 05:43:35
Interval: **3594.00 ft (KB) To 3690.00 ft (KB) (TVD)**
Total Depth: 3690.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 24

Reference Elevations: 2169.00 ft (KB)
2164.00 ft (CF)
KB to GR/CF: 5.00 ft

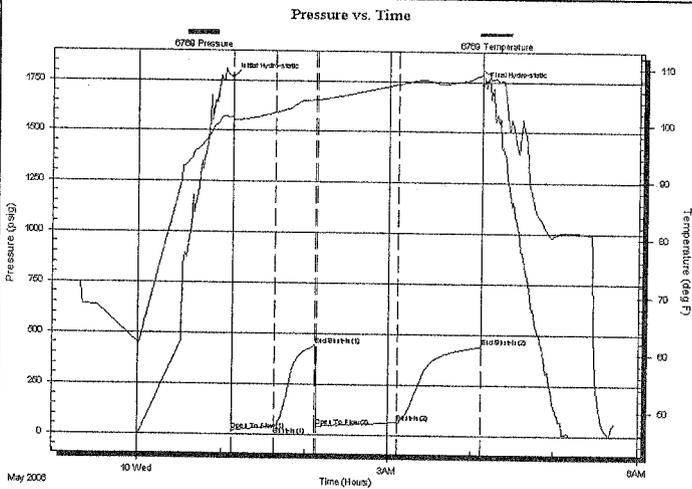
Serial #: 6769

Inside

Press@RunDepth: 66.06 psig @ 3606.01 ft (KB)
Start Date: 2006.05.09 End Date: 2006.05.10
Start Time: 23:18:37 End Time: 05:43:35

Capacity: 7000.00 psig
Last Calib.: 2006.05.10
Time On Btm: 2006.05.10 @ 01:07:05
Time Off Btm: 2006.05.10 @ 04:07:35

TEST COMMENT: IFP Weak blow throughout 1/2 - 2
ISI No blow back
FFP Weak blow throughout sur - 3
FSI No blow back



PRESSURE SUMMARY

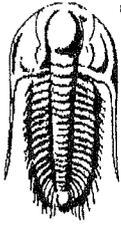
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.04	101.14	Initial Hydro-static
1	19.32	100.68	Open To Flow (1)
31	39.04	101.97	Shut-In(1)
60	443.13	104.33	End Shut-In(1)
62	41.94	104.28	Open To Flow (2)
120	66.06	107.12	Shut-In(2)
181	440.68	109.03	End Shut-In(2)
181	1737.16	109.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	VSOCM 5% O 95% M	0.44

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pioneer Resources
177 W Limestone Rd
Phillipsburg KS 67661
ATTN: Randy Killian

Schoenthaler A-2
31 12S 19 W Ellis KS
Job Ticket: 24793 **DST#: 3**
Test Start: 2006.05.09 @ 23:18:37

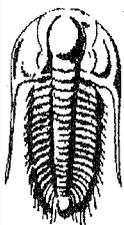
Tool Information

Drill Pipe:	Length: 3459.00 ft	Diameter: 3.80 inches	Volume: 48.52 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 49.12 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3594.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	96.02 ft				
Tool Length:	116.02 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3579.00	
HYD S.I. Tool	5.00			3584.00	
Packer	5.00			3589.00	20.00 Bottom Of Top Packer
Packer	5.00			3594.00	
Stubb	1.00			3595.00	
Perforations	10.00			3605.00	
C.O. Sub	1.00			3606.00	
Recorder	0.01	6769	Inside	3606.01	
Blank Spacing	62.00			3668.01	
C.O. Sub	1.00			3669.01	
Perforations	18.00			3687.01	
Recorder	0.01	13548	Outside	3687.02	
Bullnose	3.00			3690.02	96.02 Bottom Packers & Anchor

Total Tool Length: 116.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Resources

Schoenthaler A-2

177 W Limestone Rd
Phillipsburg KS 67661

31 12S 19 W Ellis KS

Job Ticket: 24793

DST#: 3

ATTN: Randy Killian

Test Start: 2006.05.09 @ 23:18:37

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
90.00	VSOCM 5% O 95% M	0.443

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 45' GIP

Serial #: 6769

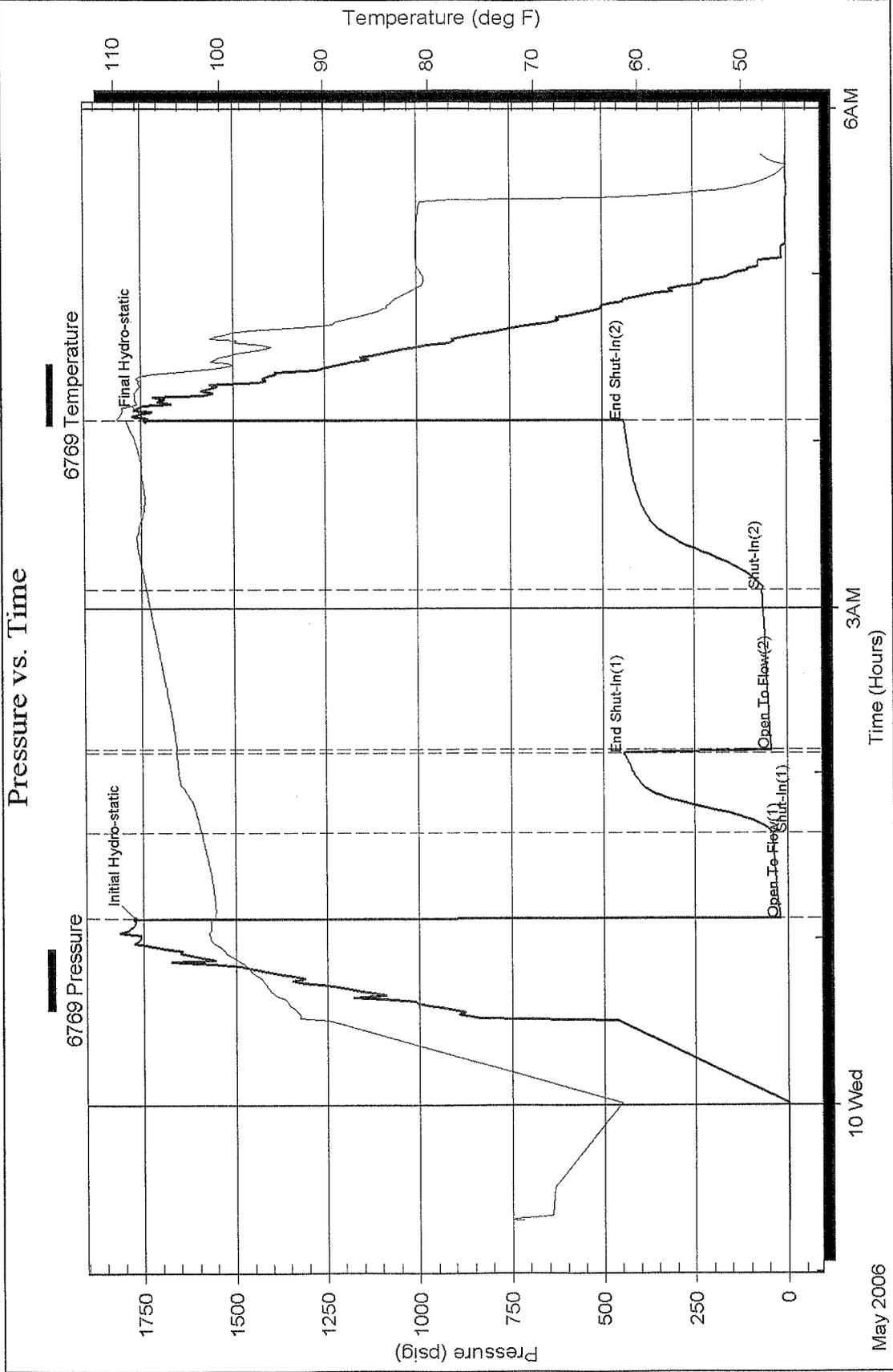
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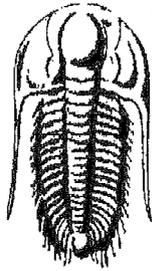
Pioneer Resources

31 12S 19 W Ellis KS

DST Test Number: 3

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Pioneer Resources**

177 W Limestone Rd
Phillipsburg KS 67661

ATTN: Randy Killian

31 12S 19 W Ellis KS

Schoenthaler A-2

Start Date: 2006.05.11 @ 05:10:00

End Date: 2006.05.11 @ 10:53:43

Job Ticket #: 24794 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Pioneer Resources

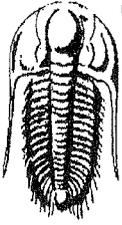
Schoenthaler A-2

31 12S 19 W Ellis KS

DST # 4

Marmaton

2006.05.11



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pioneer Resources
 177 W Limestone Rd
 Phillipsburg KS 67661
 ATTN: Randy Killian

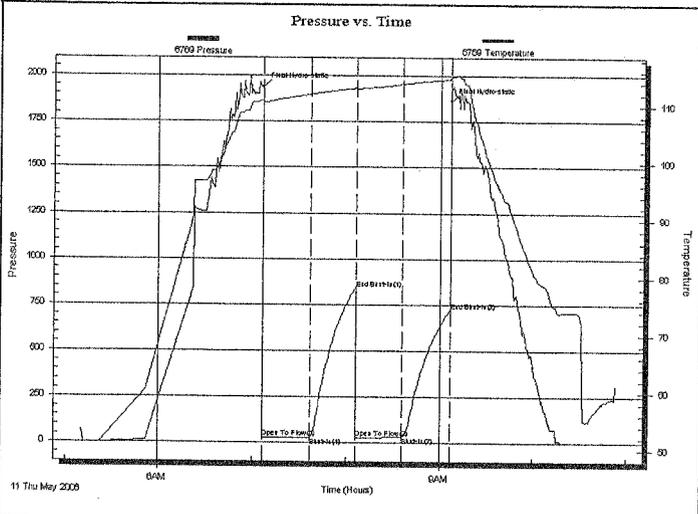
Schoenthaler A-2
31 12S 19 W Ellis KS
 Job Ticket: 24794 **DST#: 4**
 Test Start: 2006.05.11 @ 05:10:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:06:28
 Time Test Ended: 10:53:43
 Interval: **3817.00 ft (KB) To 3860.00 ft (KB) (TVD)**
 Total Depth: 3927.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Straddle
 Tester: Brian Fairbank
 Unit No: 24
 Reference Elevations: 2169.00 ft (KB)
 2164.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6769 Inside
 Press@RunDepth: 30.85 psig @ 3828.01 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.05.11 End Date: 2006.05.11 Last Calib.: 2006.05.11
 Start Time: 05:10:00 End Time: 10:53:43 Time On Btm:
 Time Off Btm: 2006.05.11 @ 07:06:13

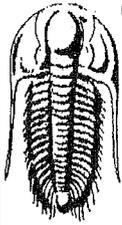
TEST COMMENT: IFP Weak blow throughout 1"
 ISI No blow back
 FFP No blow
 FSI No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1937.67	110.98	Final Hydro-static
1	25.21	110.56	Open To Flow (1)
31	27.25	112.06	Shut-In(1)
60	839.90	113.13	End Shut-In(1)
60	28.62	113.00	Open To Flow (2)
90	30.85	113.84	Shut-In(2)
121	720.65	114.67	End Shut-In(2)
121	1861.49	114.92	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
30.00	M Show O 100%M	0.15

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pioneer Resources
177 W Limestone Rd
Phillipsburg KS 67661

ATTN: Randy Killian

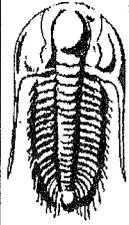
Schoenthaler A-2
31 12S 19 W Ellis KS
Job Ticket: 24794 **DST#: 4**
Test Start: 2006.05.11 @ 05:10:00

Tool Information

Drill Pipe:	Length: 3683.00 ft	Diameter: 3.80 inches	Volume: 51.66 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 52.26 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3817.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	3860.01 ft			
Interval between Packers:	43.01 ft			
Tool Length:	135.02 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3802.00	
HYD S.I. Tool	5.00			3807.00	
Packer	5.00			3812.00	20.00 Bottom Of Top Packer
Packer	5.00			3817.00	
Stubb	1.00			3818.00	
Perforations	10.00			3828.00	
Recorder	0.01	6769	Inside	3828.01	
Perforations	27.00			3855.01	
Blank Off Sub	1.00			3856.01	
Blank Spacing	4.00			3860.01	43.01 Tool Interval
Packer	5.00			3865.01	
Stubb	1.00			3866.01	
C.O. Sub	1.00			3867.01	
Blank Spacing	61.00			3928.01	
C.O. Sub	1.00			3929.01	
Recorder	0.01	13760	Below	3929.02	
Bullnose	3.00			3932.02	72.01 Bottom Packers & Anchor
Total Tool Length:	135.02				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Resources
177 W Limestone Rd
Phillipsburg KS 67661

ATTN: Randy Killian

Schoenthaler A-2
31 12S 19 W Ellis KS
Job Ticket: 24794 **DST#: 4**
Test Start: 2006.05.11 @ 05:10:00

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:	ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.35 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	M Show O 100%M	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

