

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Grand Mesa**

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

35 22 10 Reno KS

Schweizer #1-35

Start Date: 2006.12.03 @ 16:03:25

End Date: 2006.12.03 @ 23:48:55

Job Ticket #: 25522 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Grand Mesa

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

Schweizer #1-35

35 22 10 Reno KS

Job Ticket: 25522

DST#: 1

Test Start: 2006.12.03 @ 16:03:25

GENERAL INFORMATION:

Formation: **Lansing KC C, D, E,**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:07:25

Time Test Ended: 23:48:55

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 19

Interval: **3207.00 ft (KB) To 3274.00 ft (KB) (TVD)**

Total Depth: 3274.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1751.00 ft (KB)

1746.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 120.99 psig @ 3208.00 ft (KB)

Start Date: 2006.12.03

End Date:

2006.12.03

Capacity: 7000.00 psig

Last Calib.: 2006.12.03

Start Time: 16:03:30

End Time:

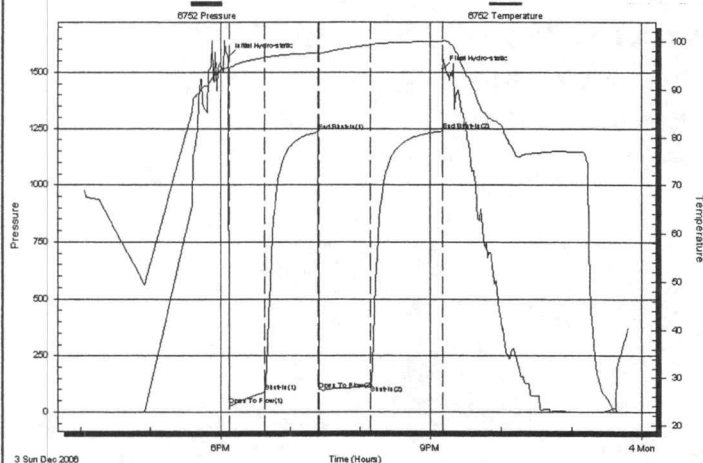
23:48:54

Time On Btm: 2006.12.03 @ 18:06:55

Time Off Btm: 2006.12.03 @ 21:10:39

TEST COMMENT: IF Strong Blow BOB in 10 Minutes
ISI Bled Off Blowback Built to 1 inch
FF Strong Bow BOB in 9 Minutes
FSI Bled Off Blowback Built to 1 inch

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1566.23	94.63	Initial Hydro-static
1	29.99	94.42	Open To Flow (1)
31	89.30	96.66	Shut-In(1)
77	1234.20	97.64	End Shut-In(1)
78	100.02	97.46	Open To Flow (2)
123	120.99	99.34	Shut-In(2)
184	1238.03	100.11	End Shut-In(2)
184	1513.45	100.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GSY OWCM 10%G 10%O 30%W 50%N0.30	
120.00	GSY OWCM 28%G 18%O 24%W 30%0.59	
60.00	GSY OWCM 30%G 14%O 16%W 40%0.55	
30.00	GSY OSM 4%G -1%O +95%M	0.42
0.00	780 Feet GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa

Schweizer #1-35

200 E 1st STE 307
Wichita KS 67202

35 22 10 Reno KS

Job Ticket: 25522

DST#: 1

ATTN: Bob Peterson

Test Start: 2006.12.03 @ 16:03:25

Tool Information

Drill Pipe:	Length: 2972.00 ft	Diameter: 3.80 inches	Volume: 41.69 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 212.00 ft	Diameter: 2.25 inches	Volume: 1.04 bbl	Weight to Pull Loose:	64000.00 lb
		Total Volume:	42.73 bbl	Tool Chased	ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	3207.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	67.00 ft				
Tool Length:	95.00 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			3180.00	
Shut In Tool	5.00			3185.00	
Hydraulic tool	5.00			3190.00	
Jars	5.00			3195.00	
Safety Joint	3.00			3198.00	
Packer	5.00			3203.00	28.00 Bottom Of Top Packer
Packer	4.00			3207.00	
Stubb	1.00			3208.00	
Recorder	0.00	6752	Inside	3208.00	
Perforations	1.00			3209.00	
Drill Pipe	62.00			3271.00	
Recorder	0.00	6704	Outside	3271.00	
Bullnose	3.00			3274.00	67.00 Bottom Packers & Anchor
Total Tool Length:		95.00			



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FLUID SUMMARY

Grand Mesa

Schweizer #1-35

200 E 1st STE 307
Wichita KS 67202

35 22 10 Reno KS

ATTN: Bob Peterson

Job Ticket: 25522

DST#: 1

Test Start: 2006.12.03 @ 16:03:25

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 11.97 in³

Resistivity: ohm.m

Salinity: 8100.00 ppm

Filter Cake: 0.03 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
60.00	GSY OWCM 10%G 10%O 30%W 50%M	0.295
120.00	GSY OWCM 28%G 18%O 24%W 30%M	0.590
60.00	GSY OWCM 30%G 14%O 16%W 40%M	0.550
30.00	GSY OSM 4%G -1%O +95%M	0.421
0.00	780 Feet GIP	0.000

Total Length: 270.00 ft

Total Volume: 1.856 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

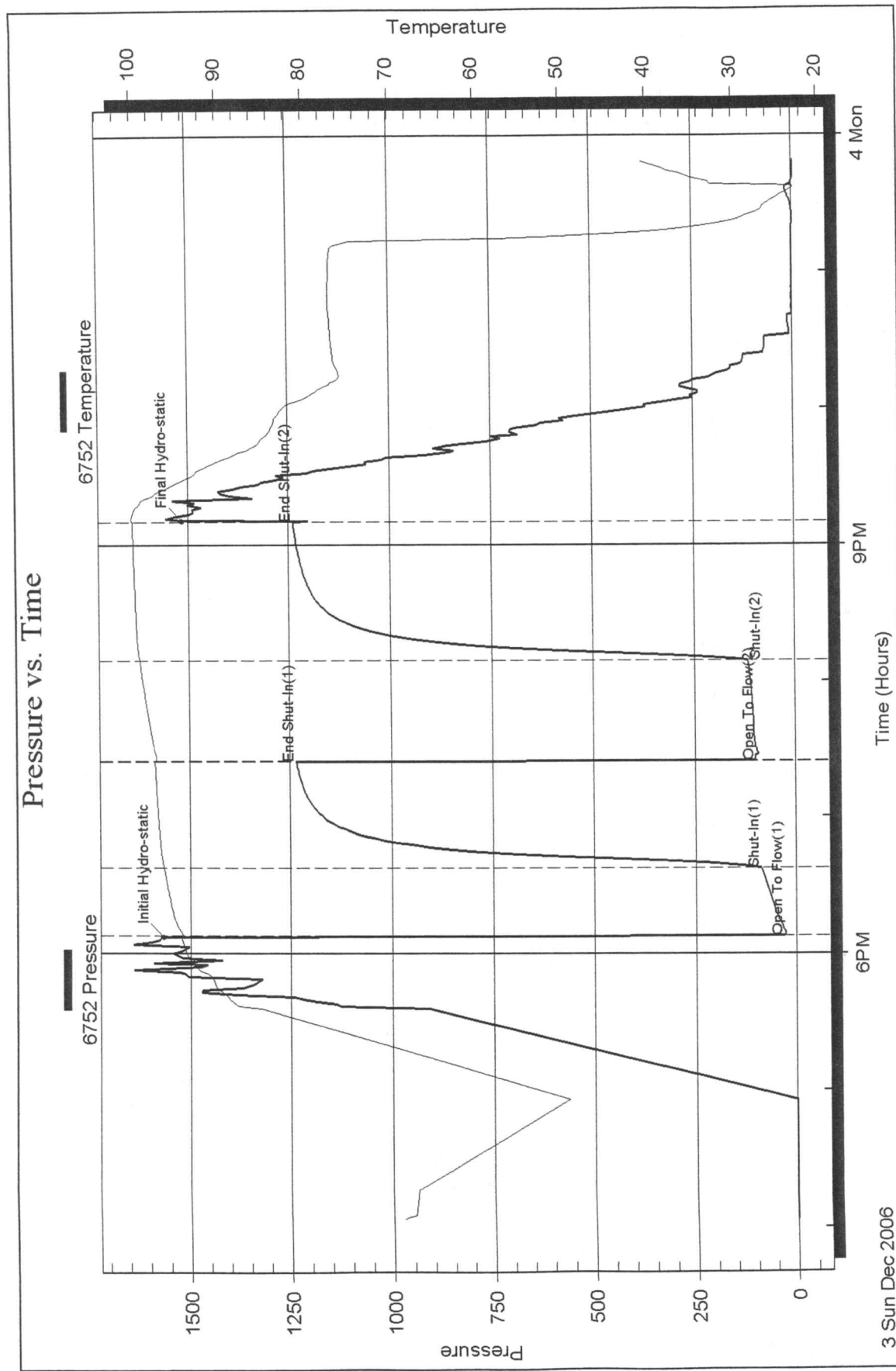
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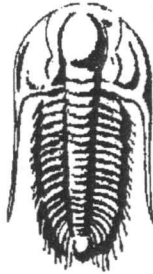
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Grand Mesa**

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

35 22 10 Reno KS

Schweizer #1-35

Start Date: 2006.12.04 @ 11:03:52

End Date: 2006.12.04 @ 17:01:07

Job Ticket #: 25523

DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

Grand Mesa

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

Schweizer #1-35

35 22 10 Reno KS

Job Ticket: 25523

DST#: 2

Test Start: 2006.12.04 @ 11:03:52

GENERAL INFORMATION:

Formation: **Lansing KC, H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:58:22

Time Test Ended: 17:01:07

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 19

Interval: **3317.00 ft (KB) To 3346.00 ft (KB) (TVD)**

Total Depth: 3346.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1751.00 ft (KB)

1746.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 20.65 psig @ 3318.00 ft (KB)

Start Date: 2006.12.04

End Date: 2006.12.04

Start Time: 11:03:57

End Time: 17:01:06

Capacity: 7000.00 psig

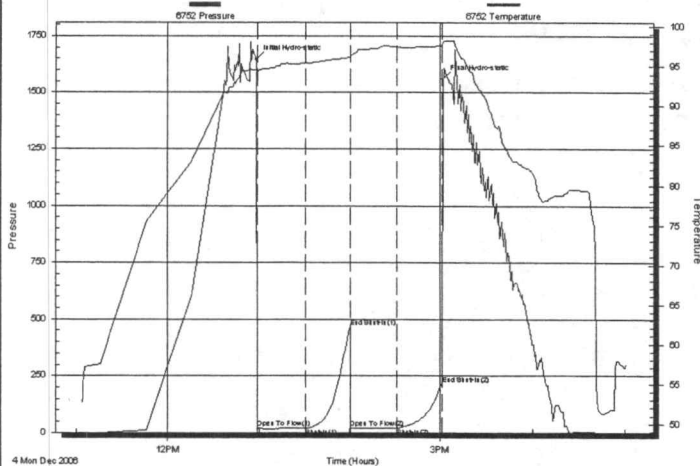
Last Calib.: 2006.12.04

Time On Btm: 2006.12.04 @ 12:57:52

Time Off Btm: 2006.12.04 @ 15:01:22

TEST COMMENT: IF Weak Blow 1/4 inch
ISI No Blow back
FF No Blow
FSI No Blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1646.37	94.57	Initial Hydro-static
1	18.99	94.25	Open To Flow (1)
33	18.76	95.38	Shut-In(1)
63	466.01	96.14	End Shut-In(1)
63	22.15	96.15	Open To Flow (2)
94	20.65	97.43	Shut-In(2)
124	212.53	97.62	End Shut-In(2)
124	1559.71	98.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa

Schweizer #1-35

200 E 1st STE 307
Wichita KS 67202

35 22 10 Reno KS

Job Ticket: 25523

DST#: 2

ATTN: Bob Peterson

Test Start: 2006.12.04 @ 11:03:52

Tool Information

Drill Pipe:	Length: 3063.00 ft	Diameter: 3.80 inches	Volume: 42.97 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	65000.00 lb
		Total Volume:	44.16 bbl	Tool Chased	ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	3317.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	29.00 ft				
Tool Length:	57.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3290.00	
Shut In Tool	5.00			3295.00	
Hydraulic tool	5.00			3300.00	
Jars	5.00			3305.00	
Safety Joint	3.00			3308.00	
Packer	5.00			3313.00	28.00 Bottom Of Top Packer
Packer	4.00			3317.00	
Stubb	1.00			3318.00	
Recorder	0.00	6752	Inside	3318.00	
Perforations	25.00			3343.00	
Recorder	0.00	6704	Outside	3343.00	
Bullnose	3.00			3346.00	29.00 Bottom Packers & Anchor

Total Tool Length: 57.00



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FLUID SUMMARY

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ATTN: Bob Peterson

Schweizer #1-35

35 22 10 Reno KS

Job Ticket: 25523

DST#: 2

Test Start: 2006.12.04 @ 11:03:52

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 11.97 in³

Resistivity: ohm.m

Salinity: 8100.00 ppm

Filter Cake: 0.03 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
5.00	Drilling Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

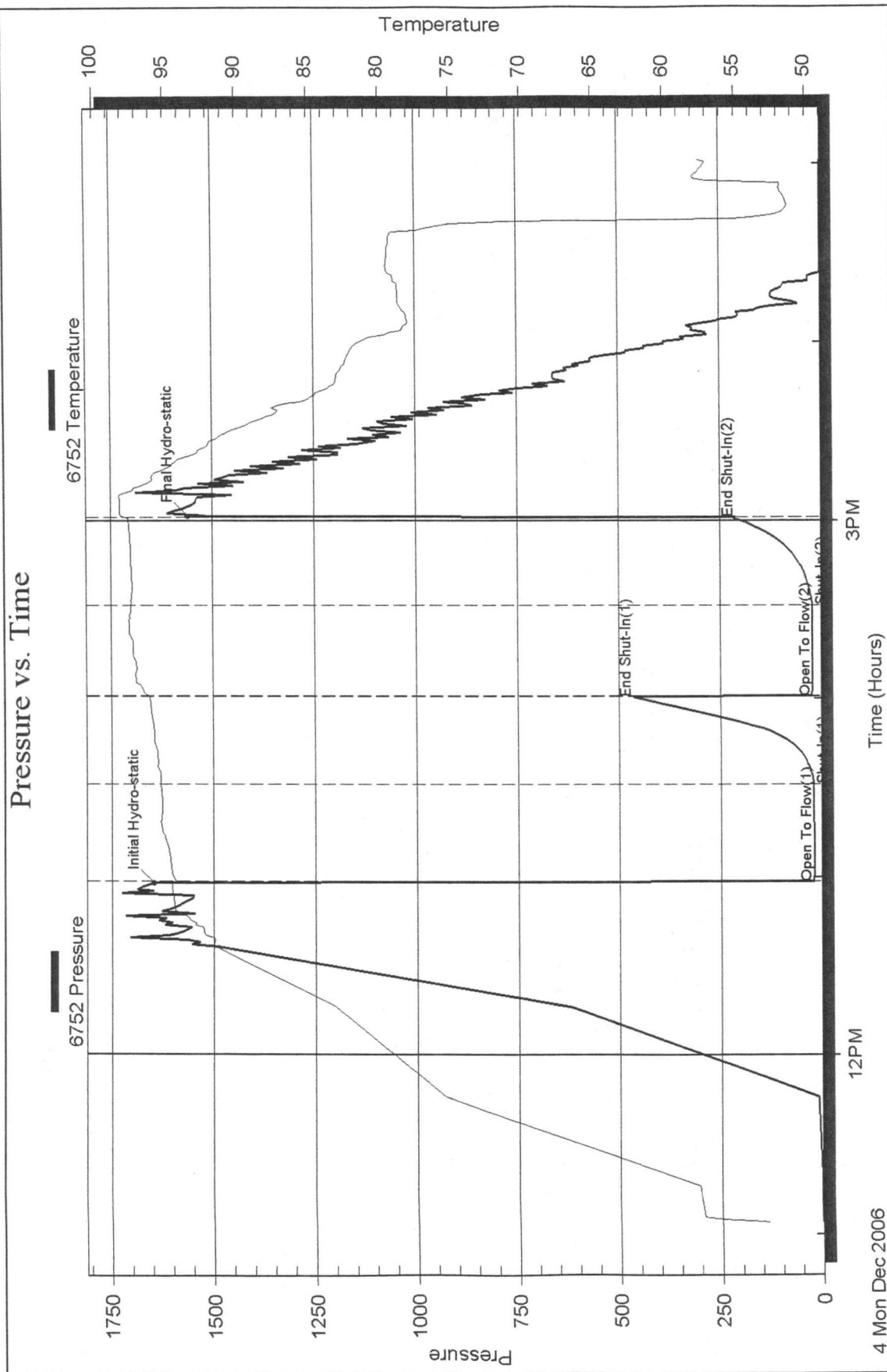
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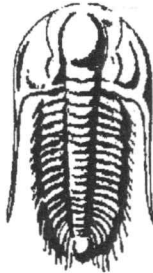
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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DRILL STEM TEST REPORT

Prepared For: **Grand Mesa**

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

35 22 10 Reno KS

Schweizer #1-35

Start Date: 2006.12.05 @ 00:59:35

End Date: 2006.12.05 @ 07:19:05

Job Ticket #: 25524 DST #: 3

Trilobite Testing, Inc

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



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DRILL STEM TEST REPORT

Grand Mesa

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

Schweizer #1-35

35 22 10 Reno KS

Job Ticket: 25524

DST#: 3

Test Start: 2006.12.05 @ 00:59:35

GENERAL INFORMATION:

Formation: **Lansing KC "I, and J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:49:20

Time Test Ended: 07:19:05

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 19

Interval: **3350.00 ft (KB) To 3377.00 ft (KB) (TVD)**

Total Depth: 3377.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1751.00 ft (KB)

1746.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 80.08 psig @ 3351.00 ft (KB)

Start Date: 2006.12.05

End Date:

2006.12.05

Start Time: 00:59:40

End Time:

07:19:04

Capacity: 7000.00 psig

Last Calib.: 2006.12.05

Time On Btm: 2006.12.05 @ 02:48:50

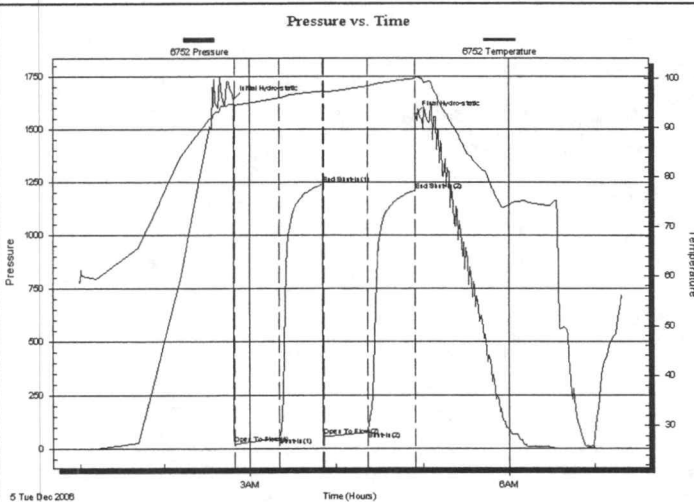
Time Off Btm: 2006.12.05 @ 04:55:05

TEST COMMENT: IF Weak Surface blow Died after 15 Minutes

ISI No Blow back

FF No Blow

FSI No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.99	94.74	Initial Hydro-static
1	21.63	94.44	Open To Flow (1)
32	53.33	95.99	Shut-In(1)
63	1241.80	97.35	End Shut-In(1)
63	59.53	97.18	Open To Flow (2)
93	80.08	98.37	Shut-In(2)
126	1212.28	99.89	End Shut-In(2)
127	1571.02	99.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	VSOSMCW -1%O 40%M +59%W	0.59

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

Schweizer #1-35

35 22 10 Reno KS

Job Ticket: 25524

DST#: 3

Test Start: 2006.12.05 @ 00:59:35

Tool Information

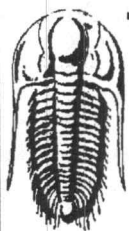
Drill Pipe:	Length: 3094.00 ft	Diameter: 3.80 inches	Volume: 43.40 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	85000.00 lb
			Total Volume: 44.59 bbl	Tool Chased	ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	3350.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	27.00 ft				
Tool Length:	55.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3323.00	
Shut In Tool	5.00			3328.00	
Hydraulic tool	5.00			3333.00	
Jars	5.00			3338.00	
Safety Joint	3.00			3341.00	
Packer	5.00			3346.00	28.00 Bottom Of Top Packer
Packer	4.00			3350.00	
Stubb	1.00			3351.00	
Recorder	0.00	6752	Inside	3351.00	
Perforations	23.00			3374.00	
Recorder	0.00	6704	Outside	3374.00	
Bullnose	3.00			3377.00	27.00 Bottom Packers & Anchor

Total Tool Length: 55.00



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FLUID SUMMARY

Grand Mesa

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

Schweizer #1-35

35 22 10 Reno KS

Job Ticket: 25524

DST#: 3

Test Start: 2006.12.05 @ 00:59:35

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 11.97 in³

Resistivity: ohm.m

Salinity: 72000.00 ppm

Filter Cake: 0.03 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

44000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	VSOSMCW -1%O 40%M +59%W	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

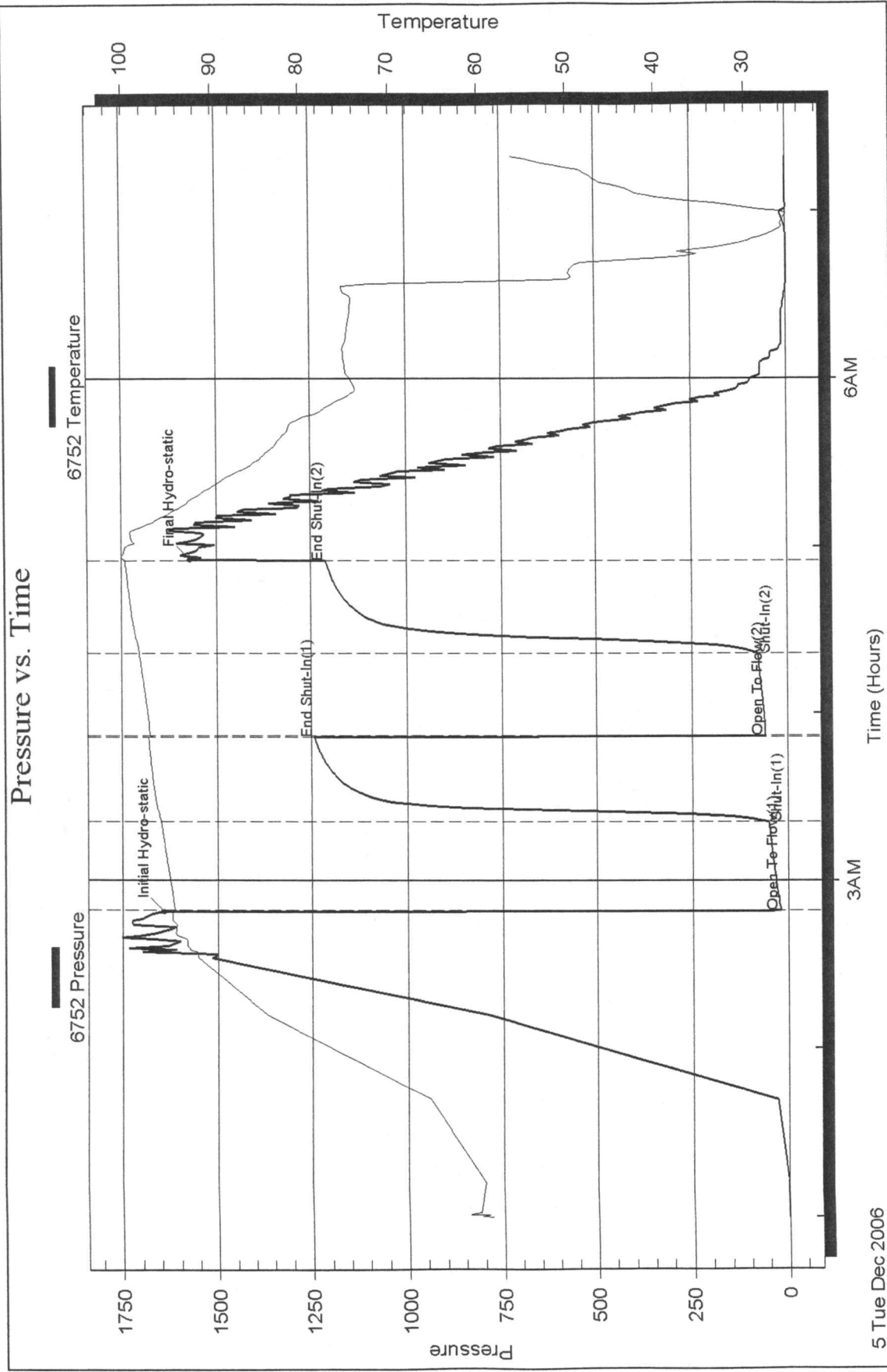
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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DRILL STEM TEST REPORT

Prepared For: **Grand Mesa**

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

35 22 10 Reno KS

Schweizer #1-35

Start Date: 2006.12.06 @ 04:10:12

End Date: 2006.12.06 @ 12:11:12

Job Ticket #: 25525 DST #: 4

Trilobite Testing, Inc

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



TRILOBITE
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DRILL STEM TEST REPORT

Grand Mesa

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

Schweizer #1-35

35 22 10 Reno KS

Job Ticket: 25525

DST#: 4

Test Start: 2006.12.06 @ 04:10:12

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:13:57

Time Test Ended: 12:11:12

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 19

Interval: **3475.00 ft (KB) To 3569.00 ft (KB) (TVD)**

Total Depth: 3569.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1751.00 ft (KB)

1746.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 1611.82 psig @ 3476.00 ft (KB)

Start Date: 2006.12.06

End Date: 2006.12.06

Capacity: 7000.00 psig

Last Calib.: 2006.12.06

Start Time: 04:10:17

End Time: 12:11:11

Time On Btm: 2006.12.06 @ 06:12:42

Time Off Btm: 2006.12.06 @ 09:22:56

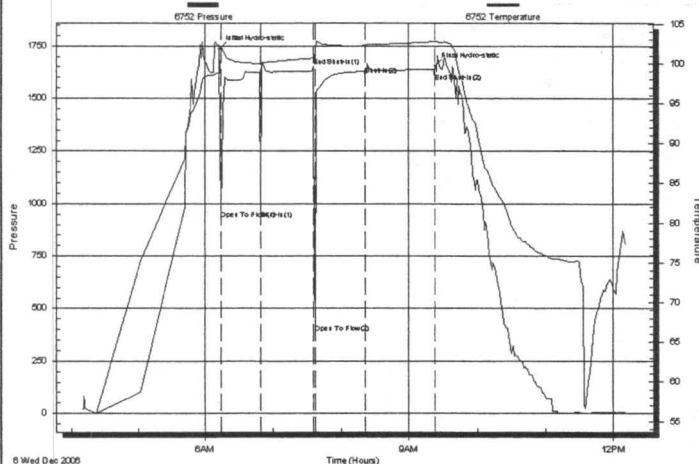
TEST COMMENT: IFSlight Packer Failure At First Set w/ Additional Weight Strong 11 inch Blow

ISI Bled Off No Blow back

FF Fair Blow 8 inches

FSI Bled Off No Blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1734.49	98.88	Initial Hydro-static
2	925.22	101.76	Open To Flow (1)
37	965.92	99.85	Shut-In (1)
84	1651.73	100.70	End Shut-In (1)
85	381.23	101.98	Open To Flow (2)
130	1611.82	102.37	Shut-In (2)
190	1577.20	102.77	End Shut-In (2)
191	1652.24	102.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	Free Oil Film at top of shut in tool	0.00
60.00	SOSWCM 10%W 90%M	0.30
240.00	SOSWCM 8%W 92%M	1.72
240.00	GCWCM 2%G 2%W 96%M	3.37
50.00	Drig Mud	0.70

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

Schweizer #1-35

35 22 10 Reno KS

Job Ticket: 25525

DST#: 4

Test Start: 2006.12.06 @ 04:10:12

Tool Information

Drill Pipe:	Length: 3224.00 ft	Diameter: 3.80 inches	Volume: 45.22 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	90000.00 lb
			Total Volume: 46.41 bbl	Tool Chased	ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	66000.00 lb
Depth to Top Packer:	3475.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	94.00 ft				
Tool Length:	122.00 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			3448.00	
Shut In Tool	5.00			3453.00	
Hydraulic tool	5.00			3458.00	
Jars	5.00			3463.00	
Safety Joint	3.00			3466.00	
Packer	5.00			3471.00	28.00 Bottom Of Top Packer
Packer	4.00			3475.00	
Stubb	1.00			3476.00	
Recorder	0.00	6752	Inside	3476.00	
Perforations	5.00			3481.00	
Drill Pipe	62.00			3543.00	
Perforations	23.00			3566.00	
Recorder	0.00	6704	Outside	3566.00	
Bullnose	3.00			3569.00	94.00 Bottom Packers & Anchor

Total Tool Length: 122.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

Schweizer #1-35

35 22 10 Reno KS

Job Ticket: 25525

DST#: 4

Test Start: 2006.12.06 @ 04:10:12

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 12.78 in³

Resistivity: ohm.m

Salinity: 9200.00 ppm

Filter Cake: 0.03 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	Free Oil Film at top of shut in tool	0.000
60.00	SOSWCM 10%W 90%M	0.295
240.00	SOSWCM 8%W 92%M	1.718
240.00	GCWCM 2%G 2%W 96%M	3.367
50.00	Drlg Mud	0.701

Total Length: 590.00 ft

Total Volume: 6.081 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

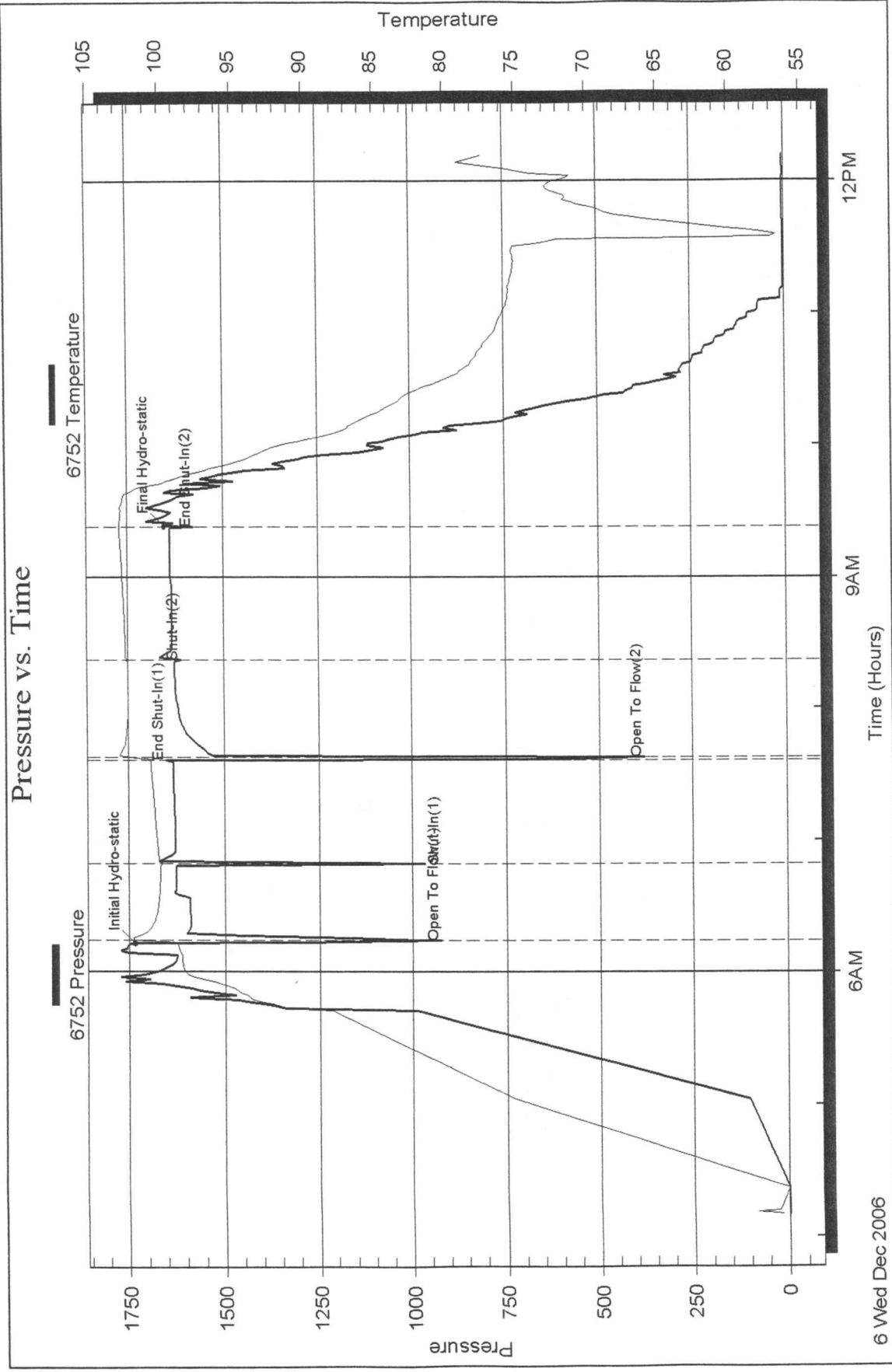
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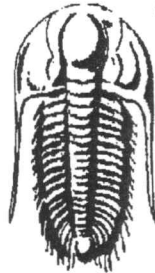
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Grand Mesa**

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

35 22 10 Reno KS

Schweizer #1-35

Start Date: 2006.12.06 @ 23:12:49

End Date: 2006.12.07 @ 05:05:19

Job Ticket #: 27101 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Grand Mesa

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

Schweizer #1-35

35 22 10 Reno KS

Job Ticket: 27101

DST#: 5

Test Start: 2006.12.06 @ 23:12:49

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:42:04

Time Test Ended: 05:05:19

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 19

Interval: **3618.00 ft (KB) To 3628.00 ft (KB) (TVD)**

Total Depth: 3274.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1751.00 ft (KB)

1746.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 1296.83 psig @ 3619.00 ft (KB)

Start Date: 2006.12.06

End Date:

2006.12.07

Capacity: 7000.00 psig

Last Calib.: 2006.12.07

Start Time: 23:12:54

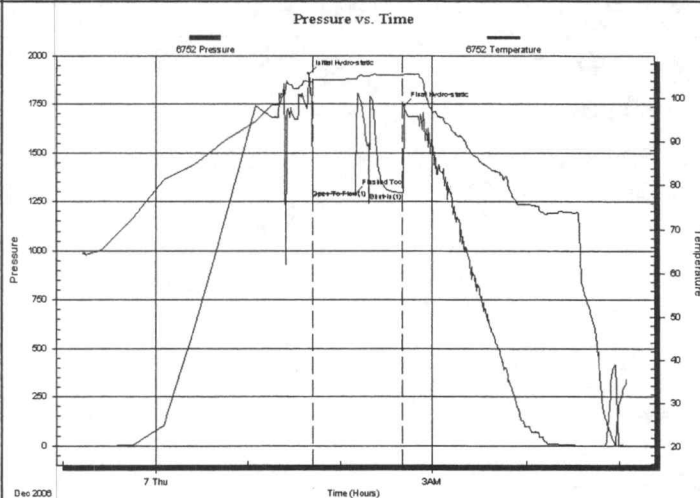
End Time:

05:05:18

Time On Btm: 2006.12.07 @ 01:39:34

Time Off Btm: 2006.12.07 @ 02:41:34

TEST COMMENT: IF Weak Surface Blow Died After 2 minutes Flushed tool No Blow Pulled Test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1905.50	104.15	Initial Hydro-static
3	1264.98	103.96	Open To Flow (1)
31	1289.01	104.49	Flushed Tool
62	1296.83	105.49	Shut-In(1)
62	1742.54	105.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.02

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

Schweizer #1-35

35 22 10 Reno KS

Job Ticket: 27101

DST#: 5

Test Start: 2006.12.06 @ 23:12:49

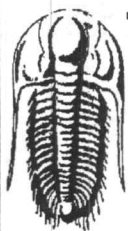
Tool Information

Drill Pipe:	Length: 3382.00 ft	Diameter: 3.80 inches	Volume: 47.44 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	48.63 bbl	Tool Chased	8.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	3618.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	38.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					
Tool Slid 8 Feet to bottom					

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

Change Over Sub	1.00			3591.00	
Shut In Tool	5.00			3596.00	
Hydraulic tool	5.00			3601.00	
Jars	5.00			3606.00	
Safety Joint	3.00			3609.00	
Packer	5.00			3614.00	28.00 Bottom Of Top Packer
Packer	4.00			3618.00	
Stubb	1.00			3619.00	
Recorder	0.00	6752	Inside	3619.00	
Perforations	6.00			3625.00	
Recorder	0.00	6704	Outside	3625.00	
Bullnose	3.00			3628.00	10.00 Bottom Packers & Anchor

Total Tool Length: 38.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

Schweizer #1-35

35 22 10 Reno KS

Job Ticket: 27101

DST#: 5

Test Start: 2006.12.06 @ 23:12:49

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 12.78 in³

Resistivity: ohm.m

Salinity: 92000.00 ppm

Filter Cake: 0.03 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

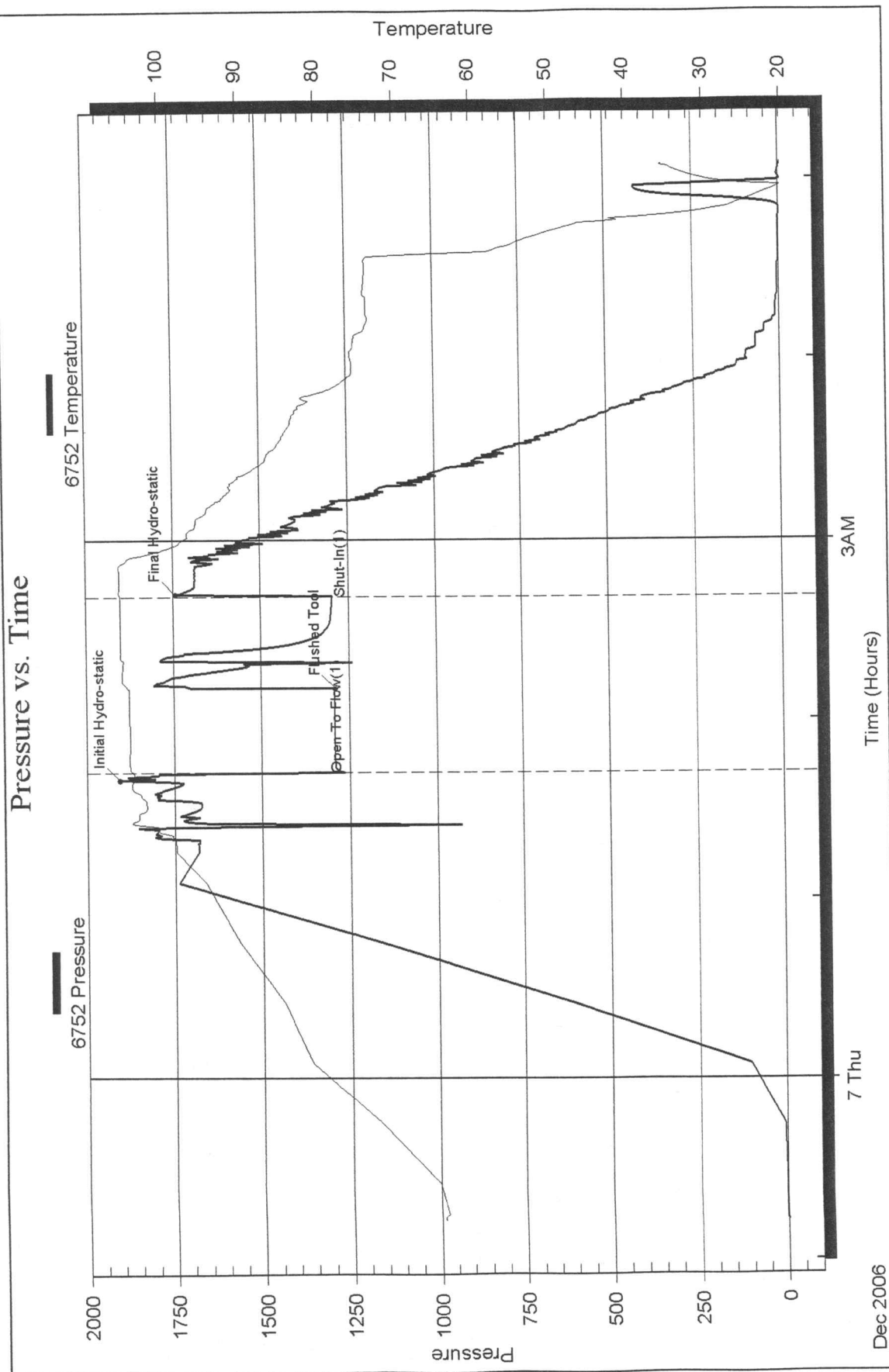
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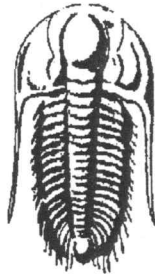
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Grand Mesa**

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

35 22 10 Reno KS

Schweizer #1-35

Start Date: 2006.12.07 @ 13:13:45

End Date: 2006.12.07 @ 22:36:15

Job Ticket #: 27102 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Grand Mesa

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

Schweizer #1-35

35 22 10 Reno KS

Job Ticket: 27102

DST#: 6

Test Start: 2006.12.07 @ 13:13:45

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:33:15

Time Test Ended: 22:36:15

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 19

Interval: **3440.00 ft (KB) To 3640.00 ft (KB) (TVD)**

Total Depth: 3640.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1751.00 ft (KB)

1746.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press@RunDepth: 454.90 psig @ 3441.00 ft (KB)

Start Date: 2006.12.07

End Date:

2006.12.07

Capacity: 7000.00 psig

Last Calib.: 2006.12.07

Start Time: 13:13:50

End Time:

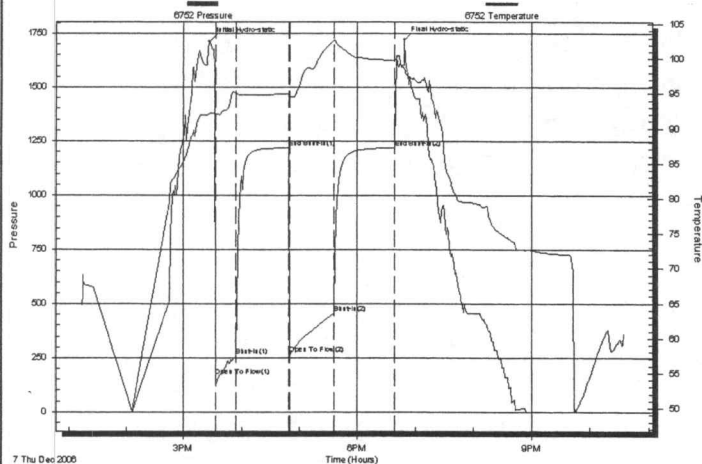
22:36:15

Time On Btm: 2006.12.07 @ 15:27:15

Time Off Btm: 2006.12.07 @ 18:48:30

TEST COMMENT: IF Strong Blow BOB in 3 minutes
ISI Bled Off No Blow back
FF Strong Blow BOB in 5 minutes
FSI Bled Off No Blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1713.58	92.11	Initial Hydro-static
6	166.22	91.85	Open To Flow (1)
28	256.97	94.90	Shut-In(1)
82	1216.80	94.96	End Shut-In(1)
83	266.32	94.63	Open To Flow(2)
129	454.90	102.68	Shut-In(2)
192	1219.26	99.76	End Shut-In(2)
202	1719.54	98.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOSM 1-%o 99+%m	0.30
420.00	OCM 4%o 96%m	4.24
240.00	OCM 14%O 86%M	3.37
120.00	OCM 20%O 80%M	1.68
60.00	OCM 30%O 70%M	0.84
10.00	Free Oil	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa

200 E 1st STE 307
Wichita KS 67202

ATTN: Bob Peterson

Schweizer #1-35

35 22 10 Reno KS

Job Ticket: 27102

DST#: 6

Test Start: 2006.12.07 @ 13:13:45

Tool Information

Drill Pipe:	Length: 3188.00 ft	Diameter: 3.80 inches	Volume: 44.72 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	74000.00 lb
		Total Volume:	45.91 bbl	Tool Chased	ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	3440.00 ft			Final	74000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	200.00 ft				
Tool Length:	228.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3413.00	
Shut In Tool	5.00			3418.00	
Hydraulic tool	5.00			3423.00	
Jars	5.00			3428.00	
Safety Joint	3.00			3431.00	
Packer	5.00			3436.00	28.00 Bottom Of Top Packer
Packer	4.00			3440.00	
Stubb	1.00			3441.00	
Recorder	0.00	6752	Inside	3441.00	
Perforations	21.00			3462.00	
Drill Pipe	158.00			3620.00	
Perforations	17.00			3637.00	
Recorder	0.00	13255	Outside	3637.00	
Bullnose	3.00			3640.00	200.00 Bottom Packers & Anchor

Total Tool Length: 228.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa

Schweizer #1-35

200 E 1st STE 307
Wichita KS 67202

35 22 10 Reno KS

Job Ticket: 27102

DST#: 6

ATTN: Bob Peterson

Test Start: 2006.12.07 @ 13:13:45

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 10.38 in³

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: 0.03 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
60.00	SOSM 1-%o 99+%m	0.295
420.00	OCM 4-%o 96%m	4.243
240.00	OCM 14%O 86%M	3.367
120.00	OCM 20%O 80%M	1.683
60.00	OCM 30%O 70%M	0.842
10.00	Free Oil	0.140

Total Length: 910.00 ft

Total Volume: 10.570 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

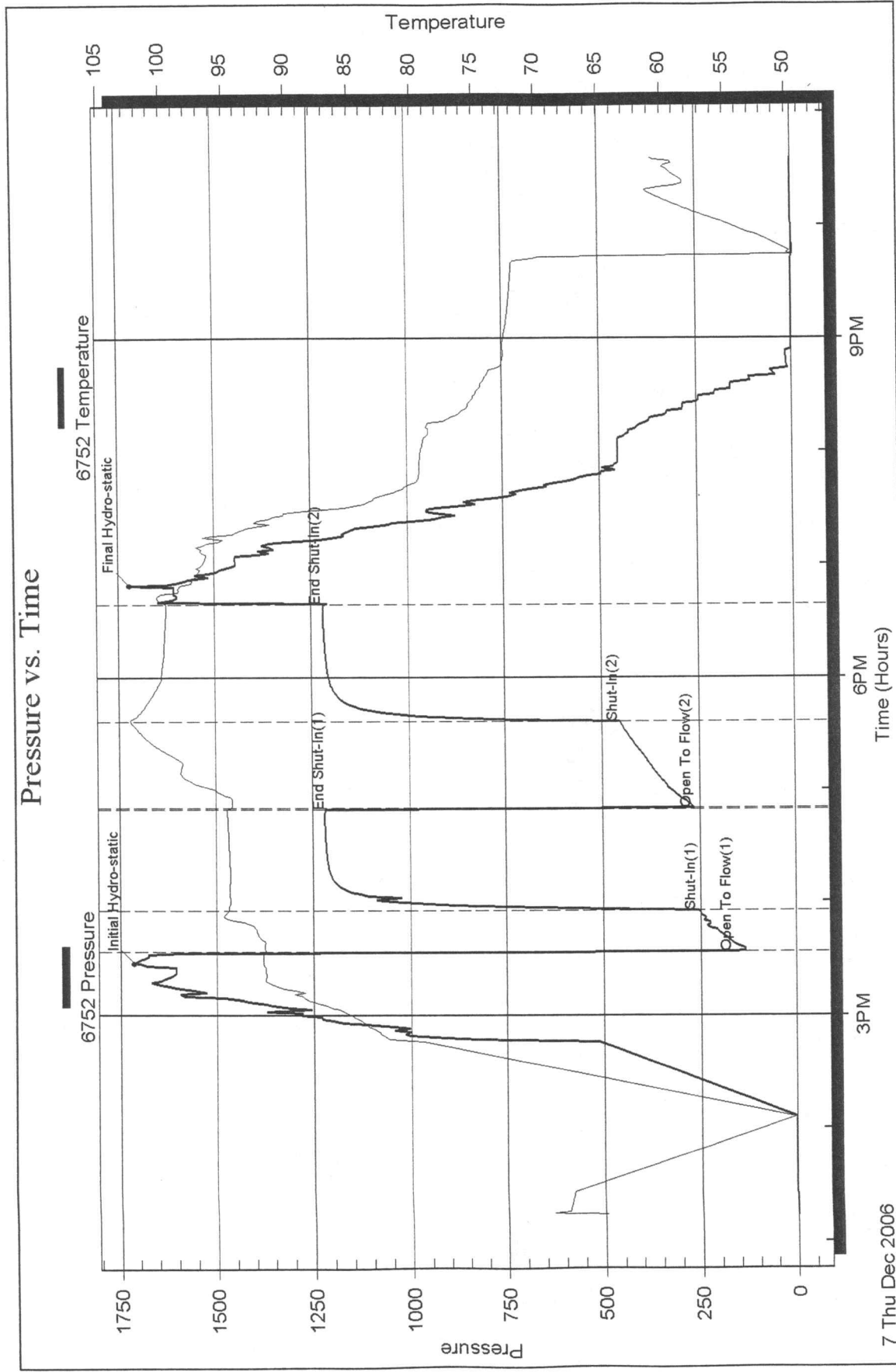
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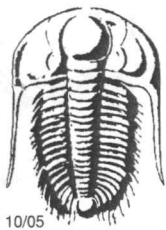
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25522

Test Ticket

Well Name & No. Schweizer # 1-35 Test No. 1 Date 12-3-06
 Company Grand Mesa Zone Tested Lansing KC C,D,E,H
 Address 200 E 1st St STE 307 Wichita, KS 67202 Elevation 1751 KB 1746 GL
 Co. Rep / Geo. Bob Peterson Rig Pickrell Drilling Co. Rig #1
 Location: Sec. 35 Twp. 22 Rge. 10 Co. RENO State KS
 Comment: _____ Release date / time: _____

Interval Tested 3207 - 3274 Initial Str Wt./Lbs. 62000 Unseated Str Wt./Lbs. 64000
 Anchor Length 67 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 64000
 Top Packer Depth 3203 Tool Weight 2100
 Bottom Packer Depth 3207 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3274 Wt. Pipe Run 0 Drill Collar Run 212
 Mud Wt. 9.2 LCM 0 Vis. 45 WL 12.0 Drill Pipe Size 4 1/2 Ft. Run 2982

Blow Description IF: Strong Blow, BOB in 10 minutes

ISI: Bled off, Blowback built to 1 inch

FF: Strong Blow, BOB in 9 minutes

ESI: Bled off, Blowback built to 1 inch

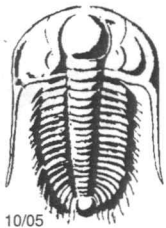
Recovery - Total Feet 270 GIP 780 Ft. in DC 212 Ft. in DP 58
 Rec. 60 Feet of GSY OWC M 10% gas 10% oil 30% water 50% mud
 Rec. 120 Feet of GSY OWC M 28% gas 18% oil 24% water 30% mud
 Rec. 60 Feet of GSY OWC M 30% gas 14% oil 16% water 40% mud
 Rec. 30 Feet of GSY OSM 4% gas 1% oil 1% water 95% mud
 Rec. _____ Feet of _____ % gas % oil % water % mud
 BHT 100 °F Gravity N/C °API D @ N/C °F Corrected Gravity N/C °API
 RW _____ @ _____ °F Chlorides N/C ppm Recovery N/C Chlorides 8100 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1641	PSI	Recorder No.	6752	Test	✓	1100
(B) First Initial Flow Pressure			30	PSI	(depth)	3208	Jars	✓	250
(C) First Final Flow Pressure			89	PSI	Recorder No.	6704	Safety Jt.	✓	75
(D) Initial Shut-In Pressure			1234	PSI	(depth)	3271	Circ Sub		
(E) Second Initial Flow Pressure			100	PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure			121	PSI	(depth)		Straddle		
(G) Final Shut-In Pressure			1238	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			1555	PSI	Initial Shut-In	45	Shale Packer		
					Final Flow	45	Ruined Packer		
					Final Shut-In	60	Mileage	94	117.52
					T-On Location	1400	Sub Total:		
					T-Started	1603	Std. By	178	175
					T-Open	1807	Acc. Chg:		
					T-Pulled	2110	Other:		
					T-Out	2348	Total:		1717.50

Approved By [Signature]

Our Representative [Signature]

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TRILOBITE TESTING INC.

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25523

Test Ticket

Well Name & No. <u>Schweizer # 1-35</u>	Test No. <u>2</u>	Date <u>12-4-06</u>
Company <u>Grand Mesa</u>	Zone Tested <u>Lansing KC "H"</u>	
Address <u>200 E 1st ST Ste 307 Wichita, KS 67202</u>	Elevation <u>1751</u> KB <u>1746</u>	GL
Co. Rep / Geo. <u>Bob Peterson</u>	Rig <u>Pickrell Drilling Co. Rig #1</u>	
Location: Sec. <u>35</u> Twp. <u>22</u> Rge. <u>10</u>	Co. <u>Reno</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3317</u> - <u>3346</u>	Initial Str Wt./Lbs. <u>65000</u>	Unseated Str Wt./Lbs. <u>65,000</u>
Anchor Length <u>29</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>65,000</u>
Top Packer Depth <u>3313</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3317</u>	Hole Size <u>7 7/8"</u> ☒	Rubber Size <u>6 3/4"</u> ☒
Total Depth <u>3346</u>	Wt. Pipe Run _____	Drill Collar Run <u>241</u>
Mud Wt. <u>9.3</u> LCM <u>0</u> Vis. <u>55</u> WL <u>12.0</u>	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>3063</u>

Blow Description IF: weak Blow, 1/4 inch

ISI: NO Blowback

EF: NO Blow

FSI: NO Blowback

Recovery - Total Feet <u>5</u>	GIP <u>0</u>	Ft. in DC <u>5</u>	Ft. in DP <u>0</u>
Rec. <u>5</u> Feet of <u>Drilling mud</u>	%gas	%oil	%water
Rec. _____ Feet of _____	%gas	%oil	%water
Rec. _____ Feet of _____	%gas	%oil	%water
Rec. _____ Feet of _____	%gas	%oil	%water
Rec. _____ Feet of _____	%gas	%oil	%water
BHT <u>98</u> °F Gravity <u>N/C</u>	*API D @ <u>N/C</u>	*F Corrected Gravity <u>N/C</u>	*API
RW <u>N/C</u> @ <u>N/C</u> °F	Chlorides <u>N/C</u> ppm	Recovery <u>N/C</u>	Chlorides <u>8100</u> ppm System

(A) Initial Hydrostatic Mud <u>1725</u> PSI	Recorder No. <u>6752</u>	Test <u>✓</u> <u>1100</u>
(B) First Initial Flow Pressure <u>19</u> PSI	(depth) <u>3318</u>	Jars <u>✓</u> <u>250</u>
(C) First Final Flow Pressure <u>19</u> PSI	Recorder No. <u>6704</u>	Safety Jt. <u>✓</u> <u>75</u>
(D) Initial Shut-In Pressure <u>466</u> PSI	(depth) <u>3343</u>	Circ Sub _____
(E) Second Initial Flow Pressure <u>22</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure <u>21</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure <u>212</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud <u>1613</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____
	Final Flow <u>30</u>	Ruined Packer _____
	Final Shut-In <u>30</u>	Mileage <u>92</u> <u>117.50</u>

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Approved By [Signature]

Our Representative [Signature]

T-On Location

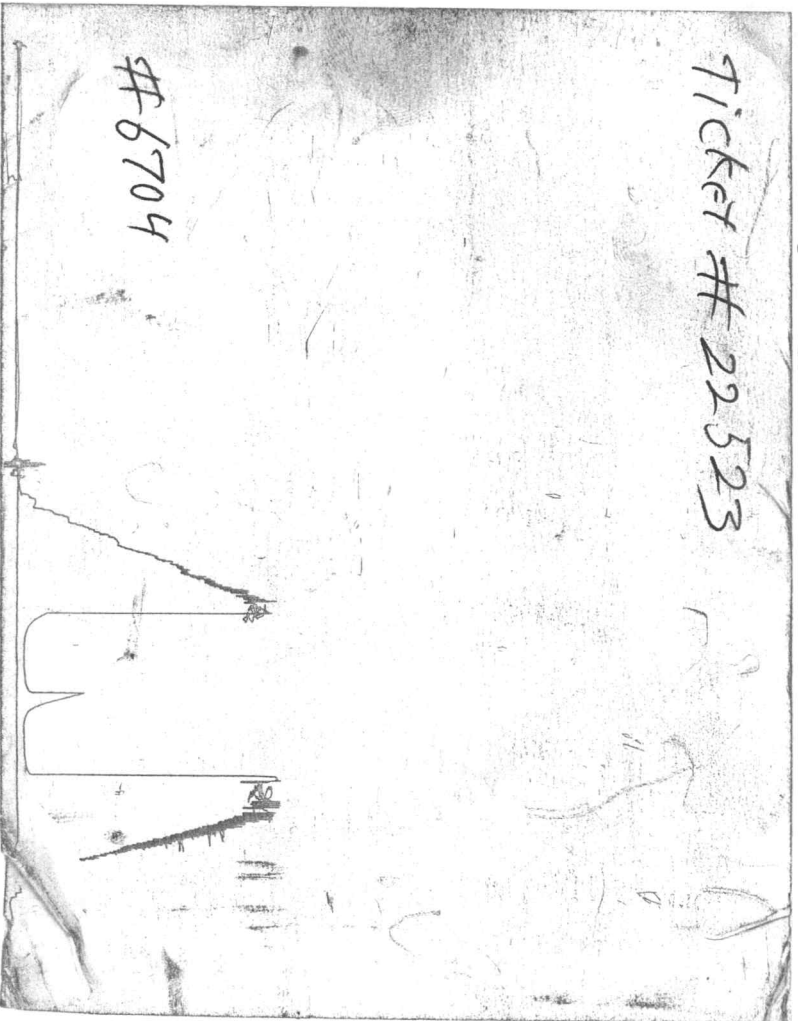
T-Started	<u>11:03</u>
T-Open	<u>12:58</u>
T-Pulled	<u>15:01</u>
T-Out	<u>17:01</u>

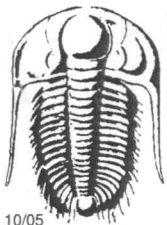
Sub Total:

Std. By	_____
Acc. Chg:	_____
Other:	_____
Total:	<u>\$1542.50</u>

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25524

Test Ticket

Well Name & No. <u>Schweizer #1-35</u>	Test No. <u>3</u>	Date <u>12-5-06</u>
Company <u>Grand Mesa</u>	Zone Tested <u>Lansing KC "I, J"</u>	
Address <u>200 E 1st ST STE 307 Wichita, KS 67202</u>	Elevation <u>1751</u>	KB <u>1746</u> GL
Co. Rep / Geo. <u>Bob Peterson</u>	Rig <u>Pickrell Drilling Co. Rig #1</u>	
Location: Sec. <u>35</u> Twp. <u>22</u> Rge. <u>10</u>	Co. <u>Reno</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3350 - 3377</u>	Initial Str Wt./Lbs. <u>65000</u>	Unseated Str Wt./Lbs. <u>65000</u>
Anchor Length <u>27</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>85000</u>
Top Packer Depth <u>3346</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3350</u>	Hole Size 7 7/8" <u>✓</u>	Rubber Size 6 3/4" <u>✓</u>
Total Depth <u>3377</u>	Wt. Pipe Run _____	Drill Collar Run <u>241</u>
Mud Wt. <u>9.3</u> LCM <u>0</u> Vis. <u>55</u> WL <u>12.0</u>	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>3094</u>

Blow Description FF: weak surface Blow, died after 15 minutes
ISI: NO Blowback
FF: NO BLOW
FSI: NO Blowback

Recovery - Total Feet <u>120</u>	GIP <u>0</u>	Ft. in DC <u>120</u>	Ft. in DP _____
Rec. <u>120</u>	Feet of <u>VSOSMCW</u>	%gas <u>1-</u>	%oil <u>59+</u> %water <u>40</u> %mud
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud
BHT <u>100</u> °F Gravity <u>N/C</u>	*API D @ <u>N/C</u>	*F Corrected Gravity <u>N/C</u>	*API _____
RW <u>4.1</u> @ <u>29</u> °F	Chlorides <u>44000</u> ppm	Recovery _____	Chlorides <u>7200</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1767</u> PSI	Alpine	Recorder No. <u>6752</u>	Test <u>✓</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>22</u> PSI		(depth) <u>3351</u>	Jars <u>✓</u> <u>250</u>
(C) First Final Flow Pressure	<u>53</u> PSI		Recorder No. <u>6704</u>	Safety Jt. <u>✓</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>1242</u> PSI		(depth) <u>3374</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>59</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>80</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1212</u> PSI	Initial Opening <u>30</u>		Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1617</u> PSI	Initial Shut-In <u>30</u>		Shale Packer _____

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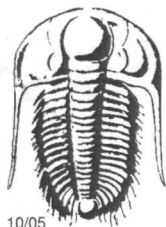
Approved By [Signature]
 Our Representative [Signature]

Final Flow <u>36</u>	T-On Location <u>00:30</u>	Sub Total: _____
Final Shut-In <u>30</u>	T-Started <u>00:59</u>	Std. By _____
	T-Open <u>02:49</u>	Acc. Chg: _____
	T-Pulled <u>04:54</u>	Other: _____
	T-Out <u>07:19</u>	Total: <u>\$1542.50</u>

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25525

Test Ticket

Well Name & No. Schwager #1-35 Test No. 4 Date 12-6-06
 Company Grand Mesa Zone Tested Simpson
 Address 200 East 1st ST STE 307 Wichita, KS 67202 Elevation 1751 KB 1746 GL
 Co. Rep / Geo. Bob Peterson Rig Pickrell Drilling Co. Rig #1
 Location: Sec. 35 Twp. 22 Rge. 10 Co. Reno State KS
 Comment: _____ Release date / time: _____

Interval Tested 3475 — 3569 Initial Str Wt./Lbs. 66000 Unseated Str Wt./Lbs. 72000
 Anchor Length _____ 94 Wt. Set Lbs. 30000 Wt. Pulled Loose/Lbs. 90000
 Top Packer Depth _____ 3471 Tool Weight 2100
 Bottom Packer Depth _____ 3475 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 3569 Wt. Pipe Run _____ Drill Collar Run 241
 Mud Wt. 9.4 LCM 0 Vis. 52 WL 12.8 Drill Pipe Size 4 1/2 Ft. Run 3224

Blow Description IF: Slight packer failure at first, set w/ additional weight, strong 11 inch
ISI: Bled off, No Blowback
FF: Fair Blow, 8 inches
FSI: Bled off, No Blowback

Recovery - Total Feet 590 GIP _____ Ft. in DC 241 Ft. in DP 339
 Rec. 0 - Free oil film on top of Feet of shut in tool %gas _____ %oil _____ %water _____ %mud _____
 Rec. 60 Feet of 505 WCM %gas _____ %oil 10 %water _____ %mud _____
 Rec. 240 Feet of 505 WCM %gas _____ %oil 8 %water _____ %mud _____
 Rec. 240 Feet of GC WCM 2 %gas _____ %oil 2 %water _____ %mud _____
 Rec. 50 Feet of Drilling mud %gas _____ %oil _____ %water _____ %mud _____
 BHT 103 °F Gravity N/C °API D @ N/C °F Corrected Gravity N/C °API
 RW N/C @ N/C °F Chlorides N/C ppm Recovery N/C Chlorides 9200 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1801	PSI	Recorder No.	6752	Test	✓	1100
(B) First Initial Flow Pressure			925	PSI	(depth)	3476	Jars	✓	250
(C) First Final Flow Pressure			966	PSI	Recorder No.	6704	Safety Jt.	✓	75
(D) Initial Shut-In Pressure			1452	PSI	(depth)	3566	Circ Sub		
(E) Second Initial Flow Pressure			381	PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure			1612	PSI	(depth)		Straddle		
(G) Final Shut-In Pressure			1577	PSI	Initial Opening	35	Ext. Packer		
(Q) Final Hydrostatic Mud			1799	PSI	Initial Shut-In	45	Shale Packer		
					Final Flow	45	Ruined Packer		
					Final Shut-In	60	Mileage	94	117.50

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 Our Representative [Signature]

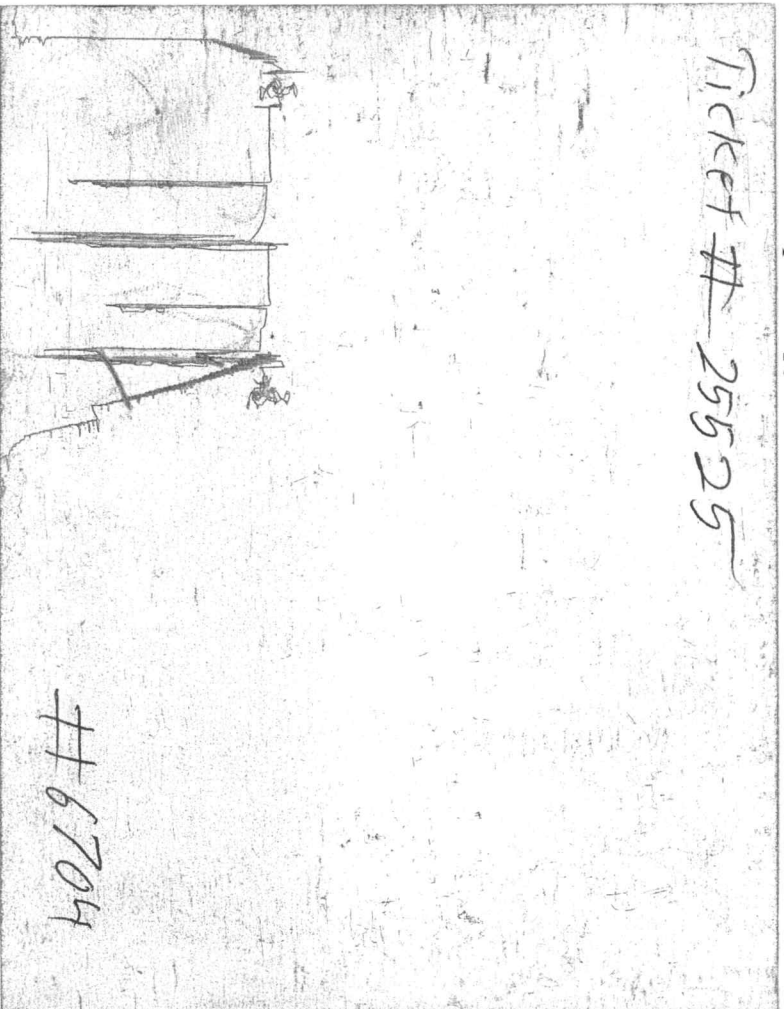
T-On Location 03:45 Sub Total: _____
 T-Started 04:10 Std. By 12.5 50
 T-Open 06:13 Acc. Chg: _____
 T-Pulled 09:22 Other: _____
 T-Out 12:11 Total: 1592.50

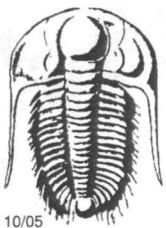
CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

Ticket # 25525

#6704





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27101

Test Ticket

Well Name & No. Schweizer Test No. 5 Date 12/06/06
 Company Grand Mesa Zone Tested Arbuckle
 Address 200 E. 1st ST STE 307 Wichita, KS 67202 Elevation 1751 KB 1746 GL
 Co. Rep / Geo. Bob Peterson Rig Pickrell Drilling Co. Rig #1
 Location: Sec. 35 Twp. 22 Rge. 10 Co. RR000 State KS
 Comment: Tool slid 8 Feet to bottom Release date / time: _____

Interval Tested 3618 - 3628 Initial Str Wt./Lbs. 18000 Unseated Str Wt./Lbs. 68000
 Anchor Length 10 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 30000
 Top Packer Depth 3614 Tool Weight 2100
 Bottom Packer Depth 3628 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3628 Wt. Pipe Run _____ Drill Collar Run 241
 Mud Wt. 9.4 LCM 0 Vis. 52 WL 128 Drill Pipe Size 4 1/2 Ft. Run 3382
 Blow Description IF: weak surface blow, Died after 2 minutes, Flushed Tool, No blow, pulled test

Recovery - Total Feet 5 GIP _____ Ft. in DC 5 Ft. in DP _____
 Rec. 5 Feet of Drilling mud %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 105 °F Gravity N/C °API D @ N/C °F Corrected Gravity N/C °API
 RW N/C @ N/C °F Chlorides N/C ppm Recovery N/C Chlorides _____ ppm System

(A) Initial Hydrostatic Mud	<u>1905</u> PSI	Recorder No.	<u>6752</u>	Test	<u>✓</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>1265</u> PSI	(depth)	<u>3619</u>	Jars	<u>✓</u>	<u>250</u>
(C) First Final Flow Pressure	<u>1297</u> PSI	Recorder No.	<u>6704</u>	Safety Jt.	<u>✓</u>	<u>75</u>
(D) Initial Shut-In Pressure	_____ PSI	(depth)	<u>3625</u>	Circ Sub	_____	_____
(E) Second Initial Flow Pressure	_____ PSI	Recorder No.	_____	Sampler	_____	_____
(F) Second Final Flow Pressure	_____ PSI	(depth)	_____	Straddle	_____	_____
(G) Final Shut-In Pressure	_____ PSI	Initial Opening	<u>60</u>	Ext. Packer	_____	_____
(Q) Final Hydrostatic Mud	<u>1742</u> PSI	Initial Shut-In	_____	Shale Packer	_____	_____

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Our Representative [Signature]

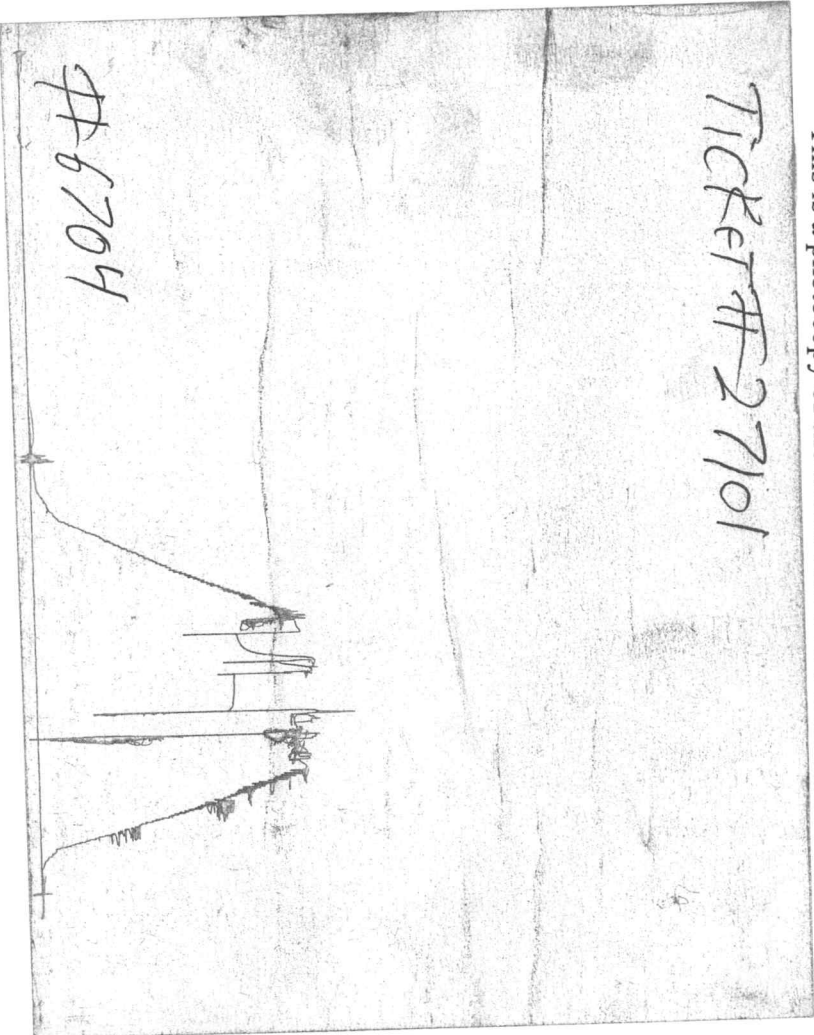
Final Flow _____
 Final Shut-In _____
 T-On Location 22:45
 T-Started 23:17
 T-Open 01:47
 T-Pulled 02:40
 T-Out 05:05
 Ruined Packer _____
 Mileage 94 117.50
 Sub Total: _____
 Std. By _____
 Acc. Chg: _____
 Other: 81542.50
 Total: _____

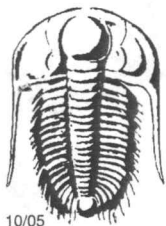
CHART PAGE

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TICKET # 27101

6704





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27102

Test Ticket

Well Name & No. Schweizer # 1-35 Test No. 6 Date 12-7-06
 Company Grand Mesa Zone Tested Simpson
 Address 200 E 1st ST STE 307 Wichita, KS 67202 Elevation 1751 KB 1746 GL
 Co. Rep / Geo. Bob Peterson Rig Pickrell Drilling Co. Rig #1
 Location: Sec. 35 Twp. 22 Rge. 10 Co. Reno State KS
 Comment: _____ Release date / time: _____

Interval Tested 3440 - 3640 Initial Str Wt./Lbs. 70000 Unseated Str Wt./Lbs. 74000
 Anchor Length 200 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 74000
 Top Packer Depth 3436 Tool Weight 2100
 Bottom Packer Depth 3440 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3640 Wt. Pipe Run _____ Drill Collar Run 241
 Mud Wt. 9.0 LCM _____ Vis. 48 WL 10.4 Drill Pipe Size 4 1/2 Ft. Run 3/88

Blow Description IF: Strong Blow, BOB in 3 minutes

TSI: Bled off, No Blowback

EF: Strong Blow, BOB in 5 minutes

ESI: Bled off, No Blowback

Recovery - Total Feet 910 GIP _____ Ft. in DC 669 Ft. in DP 241
 Rec. 60 Feet of 50 SM %gas 1- %oil _____ %water 99 %mud _____
 Rec. 420 Feet of OCM %gas 4 %oil _____ %water 76 %mud _____
 Rec. 240 Feet of OCM %gas 14 %oil _____ %water 86 %mud _____
 Rec. 120 Feet of OCM %gas 20 %oil _____ %water 80 %mud _____
 Rec. 10' Freeoil 60 Feet of OCM %gas 30 %oil _____ %water 70 %mud _____
 BHT 100 °F Gravity N/C °API D @ N/C °F Corrected Gravity N/C °API
 RW N/C @ N/C °F Chlorides N/C ppm Recovery N/C Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud	<u>1714</u> PSI	Recorder No.	<u>6752</u>	Test	<u>✓</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>166</u> PSI	(depth)	<u>3441</u>	Jars	<u>✓</u>	<u>250</u>
(C) First Final Flow Pressure	<u>257</u> PSI	Recorder No.	<u>13255</u>	Safety Jt.	<u>✓</u>	<u>75</u>
(D) Initial Shut-In Pressure	<u>1217</u> PSI	(depth)	<u>3637</u>	Circ Sub		
(E) Second Initial Flow Pressure	<u>266</u> PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure	<u>455</u> PSI	(depth)		Straddle		
(G) Final Shut-In Pressure	<u>1219</u> PSI	Initial Opening	<u>30</u>	Ext. Packer		
(Q) Final Hydrostatic Mud	<u>1719</u> PSI	Initial Shut-In	<u>45</u>	Shale Packer		

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Final Flow 45
 Final Shut-In 60
 T-On Location 12:45
 T-Started 13:13
 T-Open 15:33
 T-Pulled 18:38
 T-Out 2236
 Test ✓ 1100
 Jars ✓ 250
 Safety Jt. ✓ 75
 Circ Sub _____
 Sampler _____
 Straddle _____
 Ext. Packer _____
 Shale Packer _____
 Ruined Packer _____
 Mileage (94) 117.50
 Sub Total: _____
 Std. By 1.752 175
 Acc. Chg: _____
 Other: _____
 Total: \$1717.50

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

Ticket # 27102

#13255

