



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Greatbend KS 67530

ATTN: Jacob Porter

7 19S 29W Lane KS

Haney # 1

Start Date: 2008.05.17 @ 14:10:32

End Date: 2008.05.17 @ 21:29:56

Job Ticket #: 29963 DST #: 1

15-101-22089

SE NE NW

990 FNL 2970 FEL

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Carmen Schmitt Inc

Haney # 1

7 19S 29W Lane KS

DST # 1

LKC-G&H

2008.05.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Greatbend KS 67530
ATTN: Jacob Porter

Haney # 1
7 19S 29W Lane KS
Job Ticket: 29963 **DST#: 1**
Test Start: 2008.05.17 @ 14:10:32

GENERAL INFORMATION:

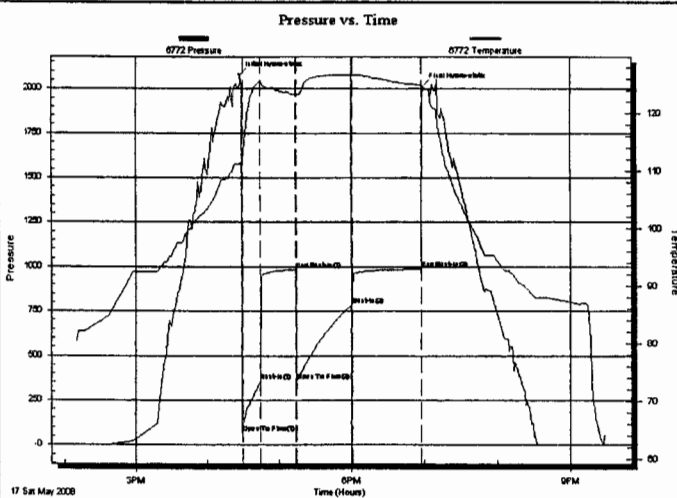
Formation: **LKC- G&H**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:29:27
Time Test Ended: 21:29:56
Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35
Interval: **4136.00 ft (KB) To 4190.00 ft (KB) (TVD)**
Reference Elevations: 2853.00 ft (KB)
Total Depth: 4190.00 ft (KB) (TVD) 2848.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 6772

Outside

Press@RunDepth: 785.03 psig @ 4137.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.05.17 End Date: 2008.05.17 Last Calib.: 2008.05.17
Start Time: 14:10:32 End Time: 21:29:56 Time On Btm: 2008.05.17 @ 16:27:27
Time Off Btm: 2008.05.17 @ 18:58:56

TEST COMMENT: IF 1/4 blow BOB in 3 min.
IS No return
FF 1/4 blow BOB in 4 min.
FS No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2077.90	111.38	Initial Hydro-static
2	67.95	110.83	Open To Flow (1)
17	354.81	125.54	Shut-In(1)
47	984.36	123.32	End Shut-In(1)
48	358.95	123.09	Open To Flow (2)
93	785.03	126.61	Shut-In(2)
151	986.47	124.97	End Shut-In(2)
152	2011.87	123.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1426.00	MCW 90%W 10%M	17.76
279.00	MW 50%W 50%M	3.91

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

Haney # 1

PO Box 47
Greatbend KS 67530

7 19S 29W Lane KS

Job Ticket: 29963

DST#: 1

ATTN: Jacob Porter

Test Start: 2008.05.17 @ 14:10:32

Tool Information

Drill Pipe:	Length: 3894.00 ft	Diameter: 3.80 inches	Volume: 54.62 bbl	Tool Weight: 1500.00 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: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 55.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4136.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	81.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4110.00	
Shut In Tool	5.00			4115.00	
Hydraulic tool	5.00			4120.00	
Jars	5.00			4125.00	
Safety Joint	2.00			4127.00	
Packer	5.00			4132.00	27.00 Bottom Of Top Packer
Packer	4.00			4136.00	
Stubb	1.00			4137.00	
Recorder	0.00	6769	Inside	4137.00	
Recorder	0.00	6772	Outside	4137.00	
Perforations	15.00			4152.00	
Change Over Sub	1.00			4153.00	
Drill Pipe	31.00			4184.00	
Change Over Sub	1.00			4185.00	
Bullnose	5.00			4190.00	54.00 Bottom Packers & Anchor

Total Tool Length: 81.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Greatbend KS 67530
ATTN: Jacob Porter

Haney # 1
7 19S 29W Lane KS
Job Ticket: 29963 **DST#: 1**
Test Start: 2008.05.17 @ 14:10:32

Mud and Cushion Information

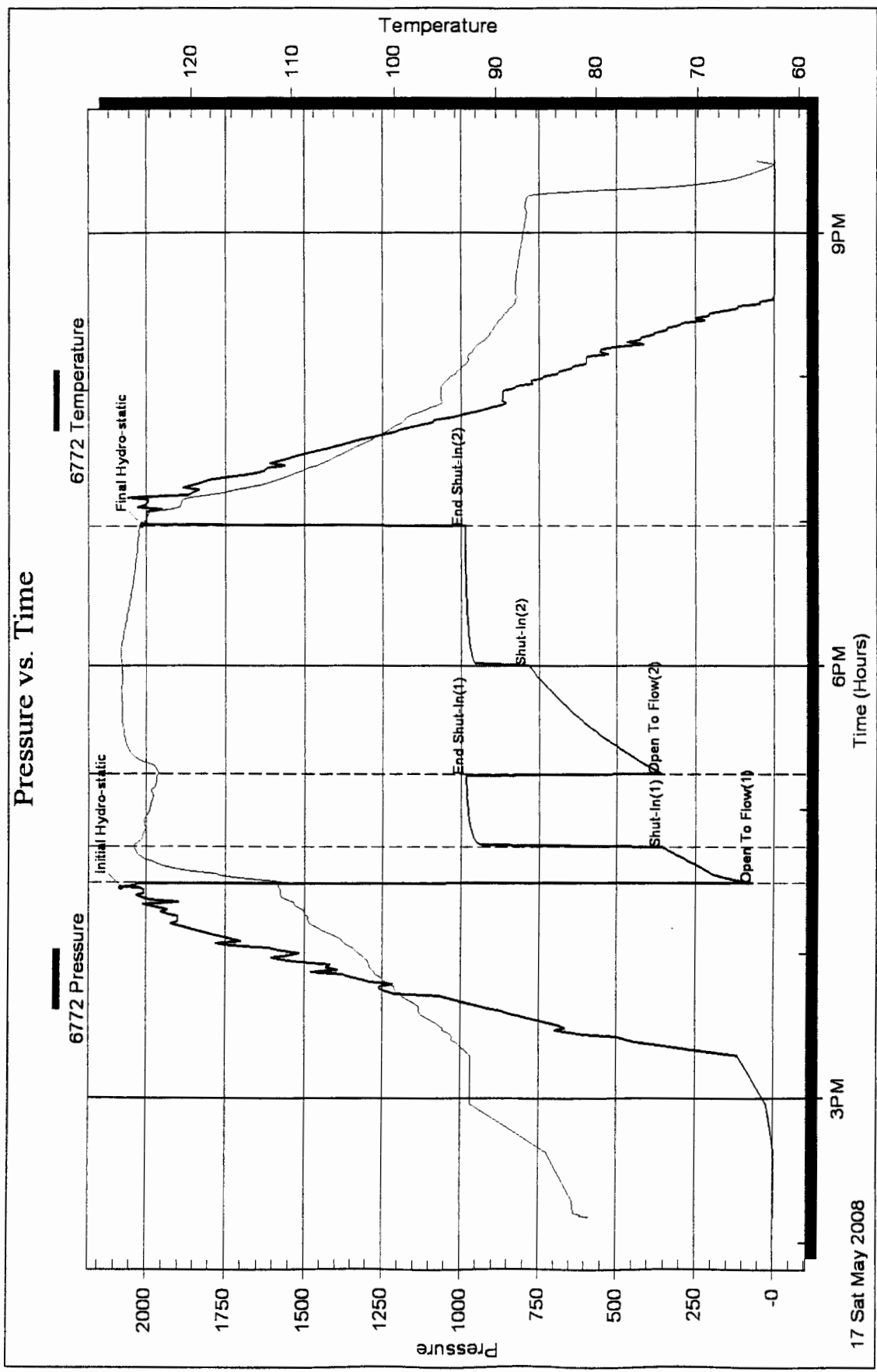
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 19000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.94 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 1600.00 ppm		
Filter Cake: 1.00 inches		

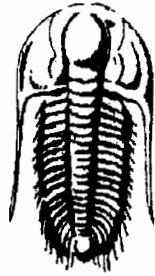
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1426.00	MCW 90%W 10%M	17.762
279.00	MW 50%W 50%M	3.914

Total Length: 1705.00 ft Total Volume: 21.676 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Greatbend KS 67530

ATTN: Jacob Porter

7 19S 29W Lane KS

Haney # 1

Start Date: 2008.05.18 @ 05:07:52

End Date: 2008.05.18 @ 09:22:47

Job Ticket #: 29964 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Carmen Schmitt Inc

Haney # 1

7 19S 29W Lane KS

DST # 2

LKC-1

2008.05.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Greatbend KS 67530
ATTN: Jacob Porter

Haney # 1
7 19S 29W Lane KS
Job Ticket: 29964 **DST#: 2**
Test Start: 2008.05.18 @ 05:07:52

GENERAL INFORMATION:

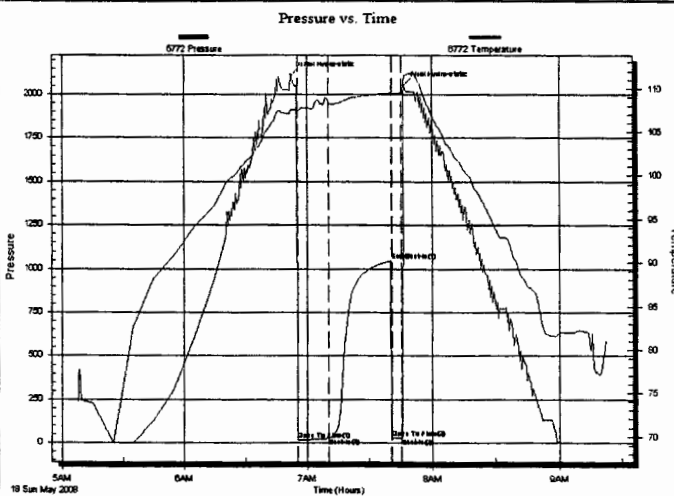
Formation: **LKC-I**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: **06:55:17**
Time Test Ended: **09:22:47**
Interval: **4186.00 ft (KB) To 4221.00 ft (KB) (TVD)**
Total Depth: **4221.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Brandon Turley**
Unit No: **35**
Reference Elevations: **2853.00 ft (KB)**
2848.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6772

Outside

Press@RunDepth: **27.00 psig @ 4187.00 ft (KB)**
Start Date: **2008.05.18** End Date: **2008.05.18**
Start Time: **05:07:52** End Time: **09:22:47**
Capacity: **7000.00 psig**
Last Calib.: **2008.05.18**
Time On Btm: **2008.05.18 @ 06:52:32**
Time Off Btm: **2008.05.18 @ 07:46:32**

TEST COMMENT: IF 1/4 blow died in 7 min.
IS No return
FF No blow Pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2112.90	107.50	Initial Hydro-static
3	16.52	107.26	Open To Flow (1)
18	27.00	108.40	Shut-In(1)
48	1047.26	109.49	End Shut-In(1)
48	29.12	109.16	Open To Flow (2)
53	30.60	109.52	Shut-In(2)
54	2054.08	111.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 10%O 90%M	0.02

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc
PO Box 47
Greatbend KS 67530

ATTN: Jacob Porter

Haney # 1
7 19S 29W Lane KS
Job Ticket: 29964 **DST#: 2**
Test Start: 2008.05.18 @ 05:07:52

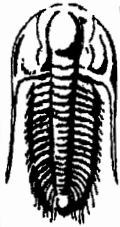
Tool Information

Drill Pipe:	Length: 3924.00 ft	Diameter: 3.80 inches	Volume: 55.04 bbl	Tool Weight: 1500.00 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: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume: 56.25 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4186.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4160.00	
Shut In Tool	5.00			4165.00	
Hydraulic tool	5.00			4170.00	
Jars	5.00			4175.00	
Safety Joint	2.00			4177.00	
Packer	5.00			4182.00	27.00 Bottom Of Top Packer
Packer	4.00			4186.00	
Stubb	1.00			4187.00	
Recorder	0.00	6769	Inside	4187.00	
Recorder	0.00	6772	Outside	4187.00	
Perforations	29.00			4216.00	
Bullnose	5.00			4221.00	35.00 Bottom Packers & Anchor

Total Tool Length: 62.00



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FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Greatbend KS 67530
ATTN: Jacob Porter

Haney # 1
7 19S 29W Lane KS
Job Ticket: 29964 **DST#: 2**
Test Start: 2008.05.18 @ 05:07:52

Mud and Cushion Information

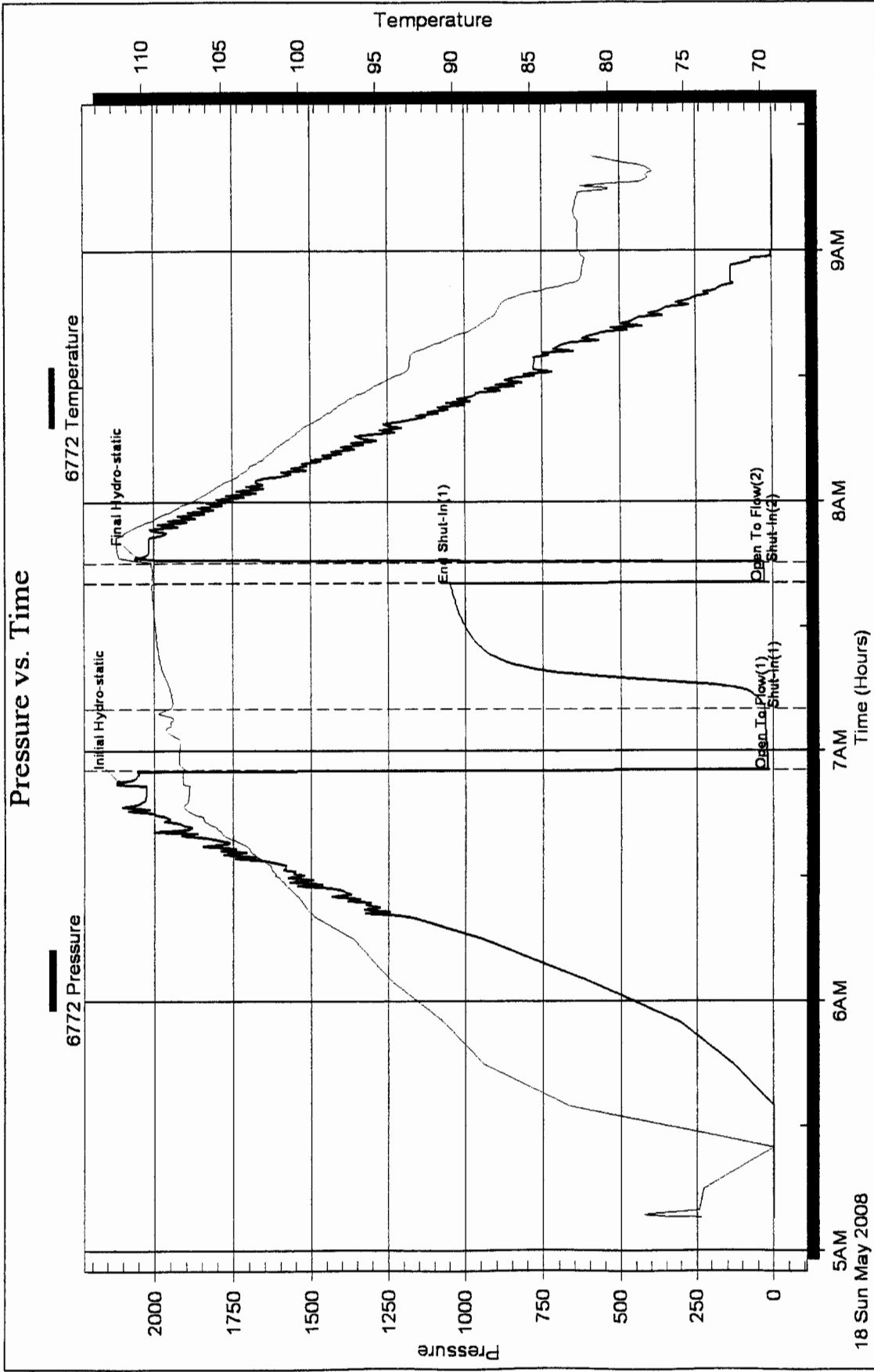
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.93 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1600.00 ppm			
Filter Cake: 1.00 inches			

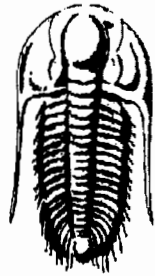
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 10%O 90%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





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DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Greatbend KS 67530

ATTN: Jacob Porter

7 19S 29W Lane KS

Haney # 1

Start Date: 2008.05.18 @ 21:48:25

End Date: 2008.05.19 @ 04:43:49

Job Ticket #: 29965 DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Carmen Schmitt Inc

Haney # 1

7 19S 29W Lane KS

DST # 3

LKC-L

2008.05.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Greatbend KS 67530
ATTN: Jacob Porter

Haney # 1
7 19S 29W Lane KS
Job Ticket: 29965 **DST#: 3**
Test Start: 2008.05.18 @ 21:48:25

GENERAL INFORMATION:

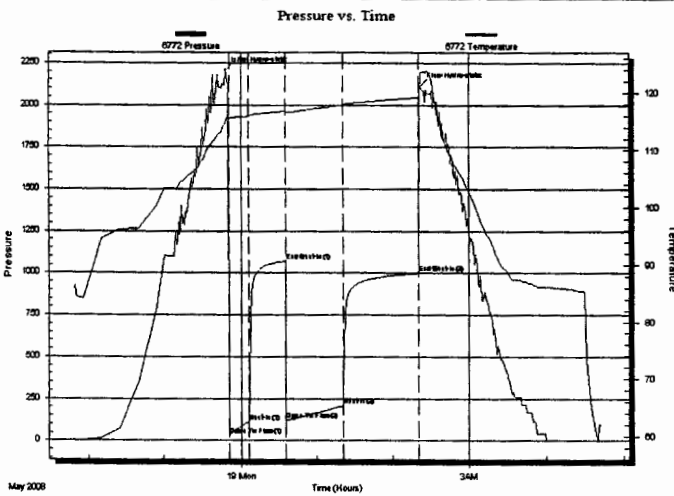
Formation: **LKC- L**
Deviated: **No Whipstock:** **ft (KB)**
Time Tool Opened: 23:50:50
Time Test Ended: 04:43:49
Interval: **4285.00 ft (KB) To 4330.00 ft (KB) (TVD)**
Total Depth: **4330.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Brandon Turley**
Unit No: **35**
Reference Elevations: **2853.00 ft (KB)**
2848.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6772

Outside

Press@RunDepth: **208.07 psig @ 4286.00 ft (KB)**
Start Date: **2008.05.18** End Date: **2008.05.19**
Start Time: **21:48:25** End Time: **04:43:49**
Capacity: **7000.00 psig**
Last Calib.: **2008.05.19**
Time On Btm: **2008.05.18 @ 23:48:05**
Time Off Btm: **2008.05.19 @ 02:21:49**

TEST COMMENT: IF 1/4 blow BOB in 11 min.
IS Surface blow built to 1 1/2 in 30 min.
FF 1/4 blow BOB in 10 min.
FS Surface blow built to 3 in 60 min.



PRESSURE SUMMARY

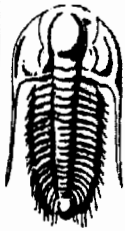
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.52	114.55	Initial Hydro-static
3	28.24	115.31	Open To Flow (1)
18	108.63	115.90	Shut-In(1)
48	1071.54	116.81	End Shut-In(1)
48	121.33	116.63	Open To Flow (2)
93	208.07	117.87	Shut-In(2)
153	1000.50	119.17	End Shut-In(2)
154	2110.79	123.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 30%G 30%O 40%M	0.30
186.00	MCOG 20%G 70%O 10%M	0.91
279.00	GO 20%G 80%O	3.91

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

Haney # 1

PO Box 47
Greatbend KS 67530

7 19S 29W Lane KS

Job Ticket: 29965

DST#: 3

ATTN: Jacob Porter

Test Start: 2008.05.18 @ 21:48:25

Tool Information

Drill Pipe:	Length: 4018.00 ft	Diameter: 3.80 inches	Volume: 56.36 bbl	Tool Weight: 1500.00 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: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 57.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4285.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4259.00	
Shut In Tool	5.00			4264.00	
Hydraulic tool	5.00			4269.00	
Jars	5.00			4274.00	
Safety Joint	2.00			4276.00	
Packer	5.00			4281.00	27.00 Bottom Of Top Packer
Packer	4.00			4285.00	
Stubb	1.00			4286.00	
Recorder	0.00	6769	Inside	4286.00	
Recorder	0.00	6772	Outside	4286.00	
Perforations	6.00			4292.00	
Change Over Sub	1.00			4293.00	
Drill Pipe	31.00			4324.00	
Change Over Sub	1.00			4325.00	
Bullnose	5.00			4330.00	45.00 Bottom Packers & Anchor

Total Tool Length: 72.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Greatbend KS 67530

ATTN: Jacob Porter

Haney # 1
7 19S 29W Lane KS
Job Ticket: 29965 **DST#: 3**
Test Start: 2008.05.18 @ 21:48:25

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.16 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2600.00 ppm		
Filter Cake: 1.00 inches		

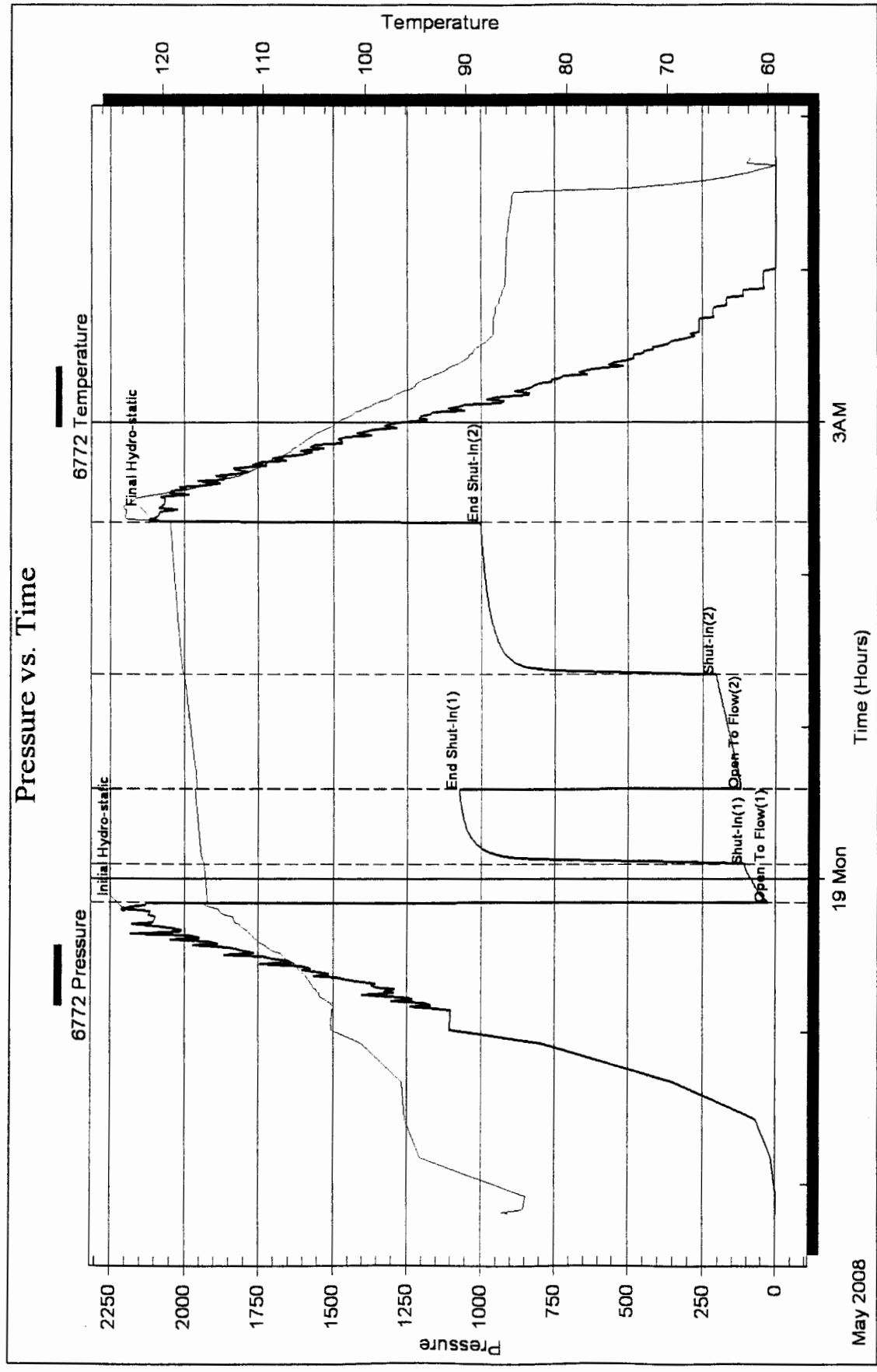
Recovery Information

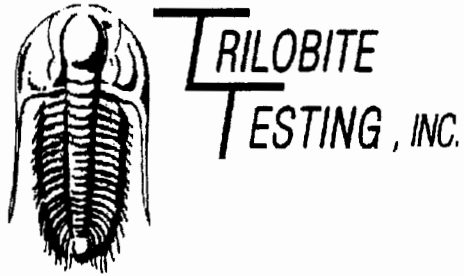
Recovery Table

Length ft	Description	Volume bbl
60.00	GOCM 30%G 30%O 40%M	0.295
186.00	MCGO 20%G 70%O 10%M	0.915
279.00	GO 20%G 80%O	3.914

Total Length: 525.00 ft Total Volume: 5.124 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 465 GIP

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Greatbend KS 67530

ATTN: Jacob Porter

7 19S 29W Lane KS

Haney # 1

Start Date: 2008.05.19 @ 17:34:47

End Date: 2008.05.20 @ 00:36:26

Job Ticket #: 29966 DST #: 4

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Carmen Schmitt Inc

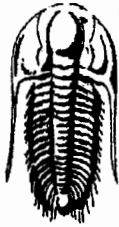
Haney # 1

7 19S 29W Lane KS

DST # 4

Marmaton

2008.05.19



**TRILOBITE
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DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Greatbend KS 67530
ATTN: Jacob Porter

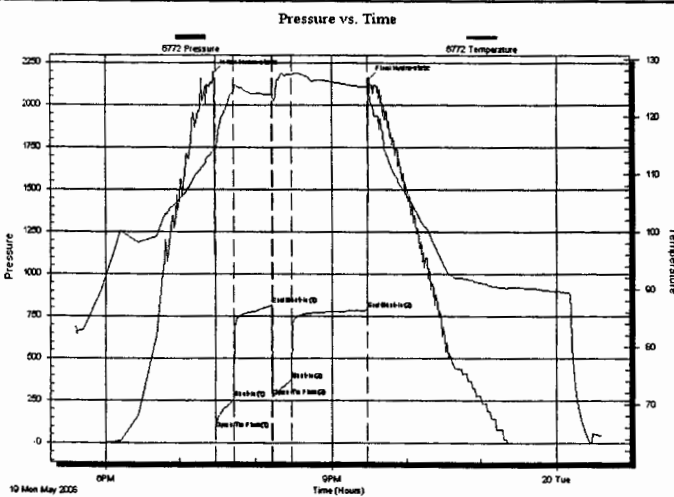
Haney # 1
7 19S 29W Lane KS
Job Ticket: 29966 **DST#: 4**
Test Start: 2008.05.19 @ 17:34:47

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:28:12
Time Test Ended: 00:36:26
Interval: **4341.00 ft (KB) To 4440.00 ft (KB) (TVD)**
Total Depth: 4440.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35
Reference Elevations: 2853.00 ft (KB)
2848.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6772 Outside
Press@RunDepth: 373.29 psig @ 4342.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.05.19 End Date: 2008.05.20 Last Calib.: 2008.05.20
Start Time: 17:34:47 End Time: 00:36:26 Time On Btm: 2008.05.19 @ 19:27:12
Time Off Btm: 2008.05.19 @ 21:29:42

TEST COMMENT: IF BOB in 3 min.
IS 1/4 blow BOB in 14 min.
FF BOB in 2 min.
FS 1/4 blow BOB in 8 min.



PRESSURE SUMMARY

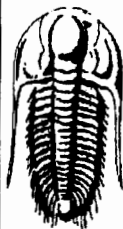
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2189.33	114.03	Initial Hydro-static
1	81.54	113.72	Open To Flow (1)
16	263.54	124.44	Shut-In (1)
46	816.96	123.95	End Shut-In (1)
46	274.05	123.75	Open To Flow (2)
61	373.29	127.32	Shut-In (2)
121	789.12	125.18	End Shut-In (2)
123	2156.45	125.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	MCGO 10%G 80%O 10%M	0.91
186.00	MCGO 20%G 60%O 20%M	2.06
496.00	MCGO 40%G 40%O 20%M	6.96
114.00	MCGO 20%G 40%O 40%M	1.60

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

Haney # 1

PO Box 47
Greatbend KS 67530

7 19S 29W Lane KS

Job Ticket: 29966 **DST#: 4**

ATTN: Jacob Porter

Test Start: 2008.05.19 @ 17:34:47

Tool Information

Drill Pipe:	Length: 4081.00 ft	Diameter: 3.80 inches	Volume: 57.25 bbl	Tool Weight: 1500.00 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: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 58.46 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4341.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	99.00 ft			
Tool Length:	126.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Stubb	1.00			4315.00	
Shut In Tool	5.00			4320.00	
Hydraulic tool	5.00			4325.00	
Jars	5.00			4330.00	
Safety Joint	2.00			4332.00	
Packer	5.00			4337.00	27.00 Bottom Of Top Packer
Packer	4.00			4341.00	
Stubb	1.00			4342.00	
Recorder	0.00	6769	Inside	4342.00	
Recorder	0.00	6772	Outside	4342.00	
Perforations	29.00			4371.00	
Change Over Sub	1.00			4372.00	
Drill Pipe	62.00			4434.00	
Change Over Sub	1.00			4435.00	
Bullnose	5.00			4440.00	99.00 Bottom Packers & Anchor

Total Tool Length: 126.00



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Greatbend KS 67530

ATTN: Jacob Porter

Haney # 1
7 19S 29W Lane KS
Job Ticket: 29966 **DST#: 4**
Test Start: 2008.05.19 @ 17:34:47

Mud and Cushion Information

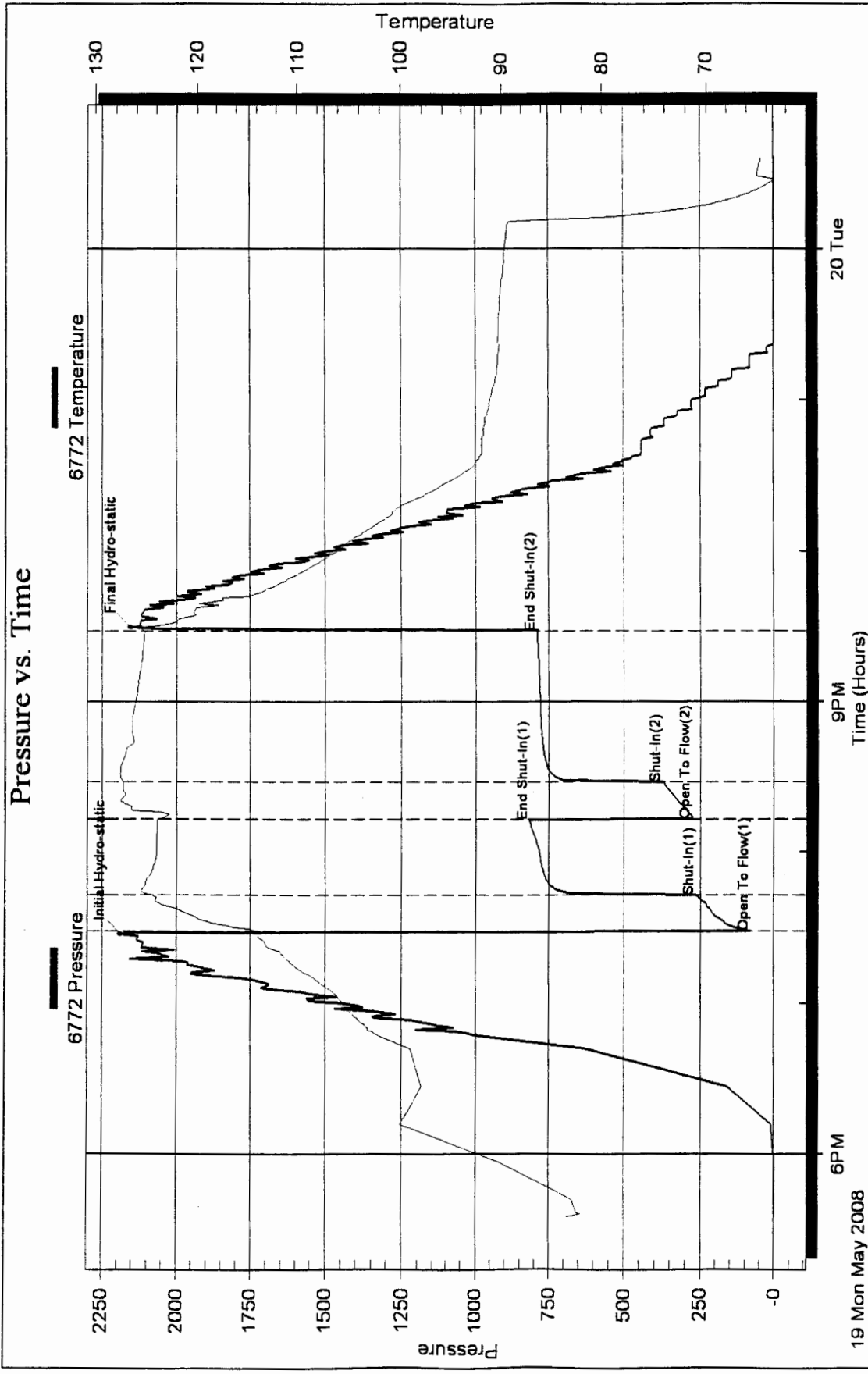
Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.57 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3100.00 ppm		
Filter Cake: 1.00 inches		

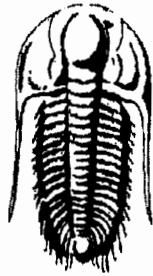
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	MCGO 10%G 80%O 10%M	0.915
186.00	MCGO 20%G 60%O 20%M	2.063
496.00	MCGO 40%G 40%O 20%M	6.958
114.00	MCGO 20%G 40%O 40%M	1.599

Total Length: 982.00 ft Total Volume: 11.535 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Greatbend KS 67530

ATTN: Jacob Porter

7 19S 29W Lane KS

Haney # 1

Start Date: 2008.05.20 @ 09:10:37

End Date: 2008.05.20 @ 15:08:01

Job Ticket #: 29967 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Carmen Schmitt Inc

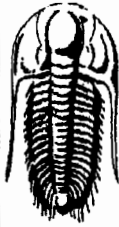
Haney # 1

7 19S 29W Lane KS

DST # 5

Pawnee

2008.05.20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Greatbend KS 67530
ATTN: Jacob Porter

Haney # 1
7 19S 29W Lane KS
Job Ticket: 29967 **DST#: 5**
Test Start: 2008.05.20 @ 09:10:37

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 10:52:32
Time Test Ended: 15:08:01
Interval: **4442.00 ft (KB) To 4485.00 ft (KB) (TVD)**
Total Depth: **4485.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

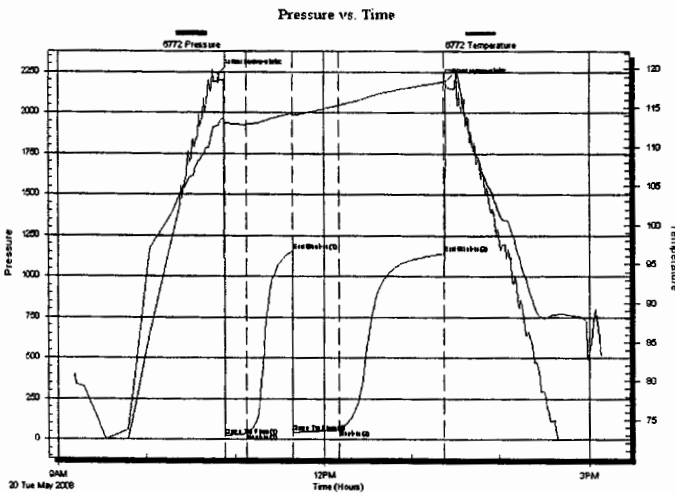
Test Type: **Conventional Bottom Hole**
Tester: **Brandon Turley**
Unit No: **35**
Reference Elevations: **2853.00 ft (KB)**
2848.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6772

Outside

Press@RunDepth: **62.73 psig @ 4443.00 ft (KB)**
Start Date: **2008.05.20** End Date: **2008.05.20**
Start Time: **09:10:37** End Time: **15:08:01**
Capacity: **7000.00 psig**
Last Calib.: **2008.05.20**
Time On Btm: **2008.05.20 @ 10:49:02**
Time Off Btm: **2008.05.20 @ 13:23:17**

TEST COMMENT: IF 1/4 blow built to 1 1/2 in 15 min.
IS No return
FF 1/4 blow built to 1 in 45 min.
FS No return



PRESSURE SUMMARY

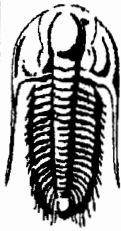
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2240.60	112.81	Initial Hydro-static
4	19.58	113.03	Open To Flow(1)
19	36.62	112.85	Shut-In(1)
50	1154.63	114.30	End Shut-In(1)
50	42.39	114.01	Open To Flow(2)
81	62.73	115.31	Shut-In(2)
153	1140.95	118.35	End Shut-In(2)
155	2190.50	119.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	OCM 10%O 90%M	0.34

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

Haney # 1

PO Box 47
Greatbend KS 67530

7 19S 29W Lane KS

Job Ticket: 29967

DST#: 5

ATTN: Jacob Porter

Test Start: 2008.05.20 @ 09:10:37

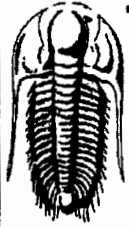
Tool Information

Drill Pipe:	Length: 4176.00 ft	Diameter: 3.80 inches	Volume: 58.58 bbl	Tool Weight:	1500.00 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: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 59.79 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	4442.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	43.00 ft				
Tool Length:	70.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4416.00	
Shut In Tool	5.00			4421.00	
Hydraulic tool	5.00			4426.00	
Jars	5.00			4431.00	
Safety Joint	2.00			4433.00	
Packer	5.00			4438.00	27.00 Bottom Of Top Packer
Packer	4.00			4442.00	
Stubb	1.00			4443.00	
Recorder	0.00	6769	Inside	4443.00	
Recorder	0.00	6772	Outside	4443.00	
Perforations	4.00			4447.00	
Change Over Sub	1.00			4448.00	
Drill Pipe	31.00			4479.00	
Change Over Sub	1.00			4480.00	
Bullnose	5.00			4485.00	43.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Greatbend KS 67530
ATTN: Jacob Porter

Haney # 1
7 19S 29W Lane KS
Job Ticket: 29967 DST#: 5
Test Start: 2008.05.20 @ 09:10:37

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3100.00 ppm			
Filter Cake: 1.00 inches			

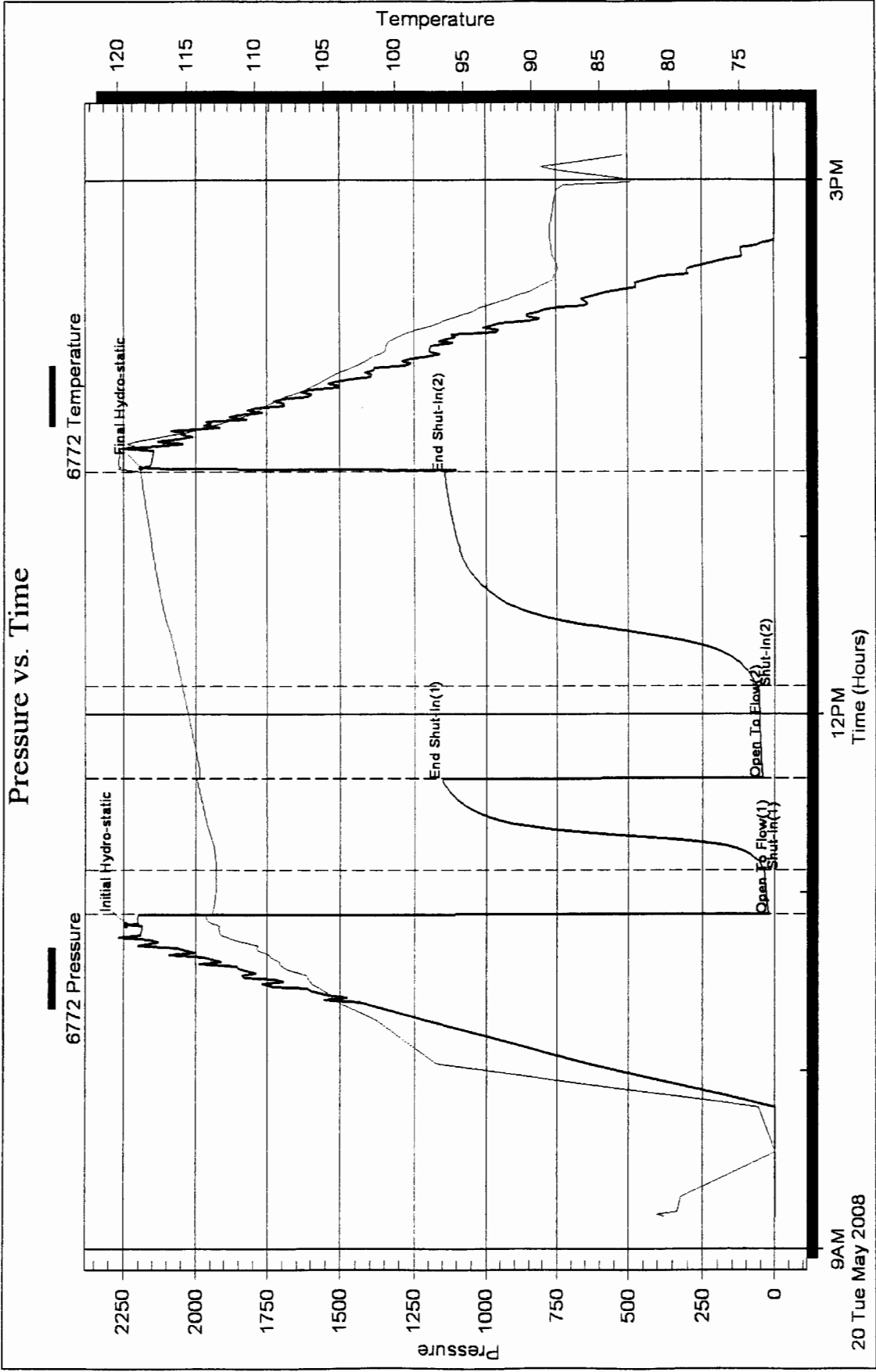
Recovery Information

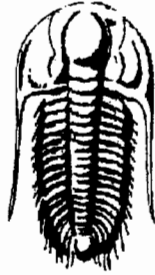
Recovery Table

Length ft	Description	Volume bbl
70.00	OCM 10%O 90%M	0.344

Total Length: 70.00 ft Total Volume: 0.344 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: **Carmen Schmitt Inc**

PO Box 47
Greatbend KS 67530

ATTN: Jacob Porter

7 19S 29W Lane KS

Haney # 1

Start Date: 2008.05.21 @ 02:45:12

End Date: 2008.05.21 @ 08:37:06

Job Ticket #: 29968 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Carmen Schmitt Inc

Haney # 1

7 19S 29W Lane KS

DST # 6

Ft. Scott - Cherokee

2008.05.21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Greatbend KS 67530
ATTN: Jacob Porter

Haney # 1
7 19S 29W Lane KS
Job Ticket: 29968 **DST#: 6**
Test Start: 2008.05.21 @ 02:45:12

GENERAL INFORMATION:

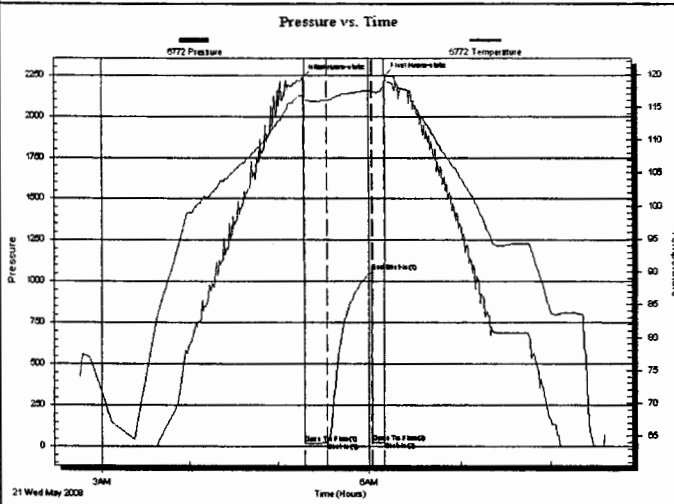
Formation: **Ft. Scott - Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:17:07
Time Test Ended: 08:37:06
Interval: **4481.00 ft (KB) To 4565.00 ft (KB) (TVD)**
Total Depth: 4565.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35
Reference Elevations: 2853.00 ft (KB)
2848.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6772

Outside

Press@RunDepth: 22.79 psig @ 4482.00 ft (KB)
Start Date: 2008.05.21 End Date: 2008.05.21
Start Time: 02:45:12 End Time: 08:37:06
Capacity: 7000.00 psig
Last Calib.: 2008.05.21
Time On Btm: 2008.05.21 @ 05:16:07
Time Off Btm: 2008.05.21 @ 06:10:37

TEST COMMENT: IF 1/4 blow died in 5 min.
IS No return
FF No blow pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2229.59	116.77	Initial Hydro-static
1	17.80	116.13	Open To Flow (1)
17	22.79	116.01	Shut-In(1)
46	1061.10	117.51	End Shut-In(1)
47	25.00	117.35	Open To Flow (2)
54	28.61	118.28	Shut-In(2)
55	2242.81	119.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc
PO Box 47
Greatbend KS 67530
ATTN: Jacob Porter

Haney # 1
7 19S 29W Lane KS
Job Ticket: 29968 **DST#: 6**
Test Start: 2008.05.21 @ 02:45:12

Tool Information

Drill Pipe:	Length: 4239.00 ft	Diameter: 3.80 inches	Volume: 59.46 bbl	Tool Weight: 1500.00 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: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4481.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	111.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4455.00	
Shut In Tool	5.00			4460.00	
Hydraulic tool	5.00			4465.00	
Jars	5.00			4470.00	
Safety Joint	2.00			4472.00	
Packer	5.00			4477.00	27.00 Bottom Of Top Packer
Packer	4.00			4481.00	
Stubb	1.00			4482.00	
Recorder	0.00	6769	Inside	4482.00	
Recorder	0.00	6772	Outside	4482.00	
Perforations	14.00			4496.00	
Change Over Sub	1.00			4497.00	
Drill Pipe	62.00			4559.00	
Change Over Sub	1.00			4560.00	
Bullnose	5.00			4565.00	84.00 Bottom Packers & Anchor

Total Tool Length: 111.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Greatbend KS 67530
ATTN: Jacob Porter

Haney # 1
7 19S 29W Lane KS
Job Ticket: 29968 DST#: 6
Test Start: 2008.05.21 @ 02:45:12

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time

