



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, Ks 67530

ATTN: Tom Funk

15-12s-34w Logan, KS

G. W. Van Eaton #1-15

Start Date: 2011.04.19 @ 11:52:49

End Date: 2011.04.19 @ 18:45:13

Job Ticket #: 042086 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Great Bend, Ks 67530
ATTN: Tom Funk

G. W. Van Eaton #1-15
15-12s-34w Logan, KS
Job Ticket: 042086 **DST#: 1**
Test Start: 2011.04.19 @ 11:52:49

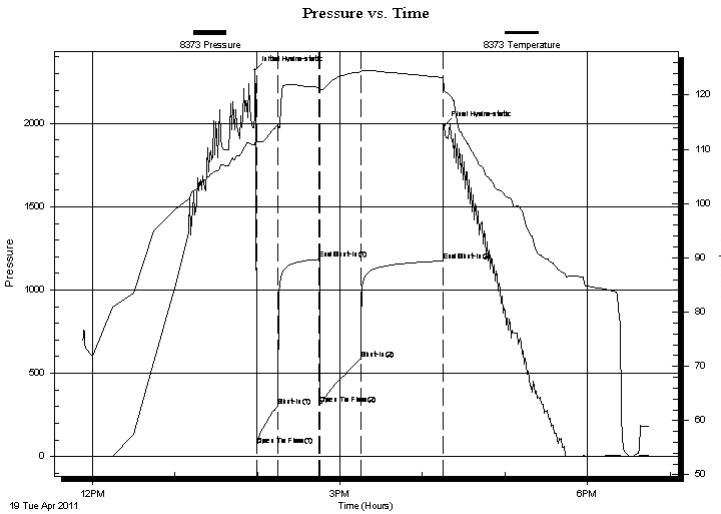
GENERAL INFORMATION:

Formation: **Lansing C- D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:59:29
Time Test Ended: 18:45:13
Interval: **4123.00 ft (KB) To 4165.00 ft (KB) (TVD)**
Total Depth: 4165.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Brandon Turley/ Jim
Unit No: 35
Reference Elevations: 3195.00 ft (KB)
3185.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8373 Inside
Press @ Run Depth: 586.74 psig @ 4124.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.04.19 End Date: 2011.04.19 Last Calib.: 2011.04.19
Start Time: 11:52:49 End Time: 18:45:13 Time On Btm: 2011.04.19 @ 13:58:14
Time Off Btm: 2011.04.19 @ 16:15:58

TEST COMMENT: IF: 1/4 blow BOB in 3 min.
IS: No return.
FF: 1/4 blow BOB in 5 min.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2318.60	110.87	Initial Hydro-static
2	65.96	111.37	Open To Flow (1)
17	304.06	114.57	Shut-In(1)
47	1184.67	121.41	End Shut-In(1)
48	315.08	121.04	Open To Flow (2)
77	586.74	124.29	Shut-In(2)
137	1174.86	123.26	End Shut-In(2)
138	1985.48	120.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
682.00	mcw 95%w 5%m	7.42
248.00	mcw 90%w 10%m	3.48
320.00	mcw 60%w 40%m	4.49

Gas Rates

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



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TOOL DIAGRAM

Carmen Schmitt Inc
PO Box 47
Great Bend, Ks 67530
ATTN: Tom Funk

G. W. Van Eaton #1-15
15-12s-34w Logan, KS
Job Ticket: 042086 **DST#: 1**
Test Start: 2011.04.19 @ 11:52:49

Tool Information

Drill Pipe:	Length: 3884.00 ft	Diameter: 3.80 inches	Volume: 54.48 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: 236.00 ft	Diameter: 2.25 inches	Volume: 1.16 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 55.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4123.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 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
Change Over Sub	1.00			4104.00	
Shut In Tool	5.00			4109.00	
Hydraulic tool	5.00			4114.00	
Packer	5.00			4119.00	20.00 Bottom Of Top Packer
Packer	4.00			4123.00	
Stubb	1.00			4124.00	
Recorder	0.00	8373	Inside	4124.00	
Recorder	0.00	8289	Outside	4124.00	
Perforations	3.00			4127.00	
Change Over Sub	1.00			4128.00	
Drill Pipe	31.00			4159.00	
Change Over Sub	1.00			4160.00	
Bullnose	5.00			4165.00	42.00 Bottom Packers & Anchor

Total Tool Length: 62.00



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FLUID SUMMARY

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PO Box 47
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ATTN: Tom Funk

G. W. Van Eaton #1-15
15-12s-34w Logan, KS
Job Ticket: 042086 **DST#: 1**
Test Start: 2011.04.19 @ 11:52:49

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: 40000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.54 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 6400.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

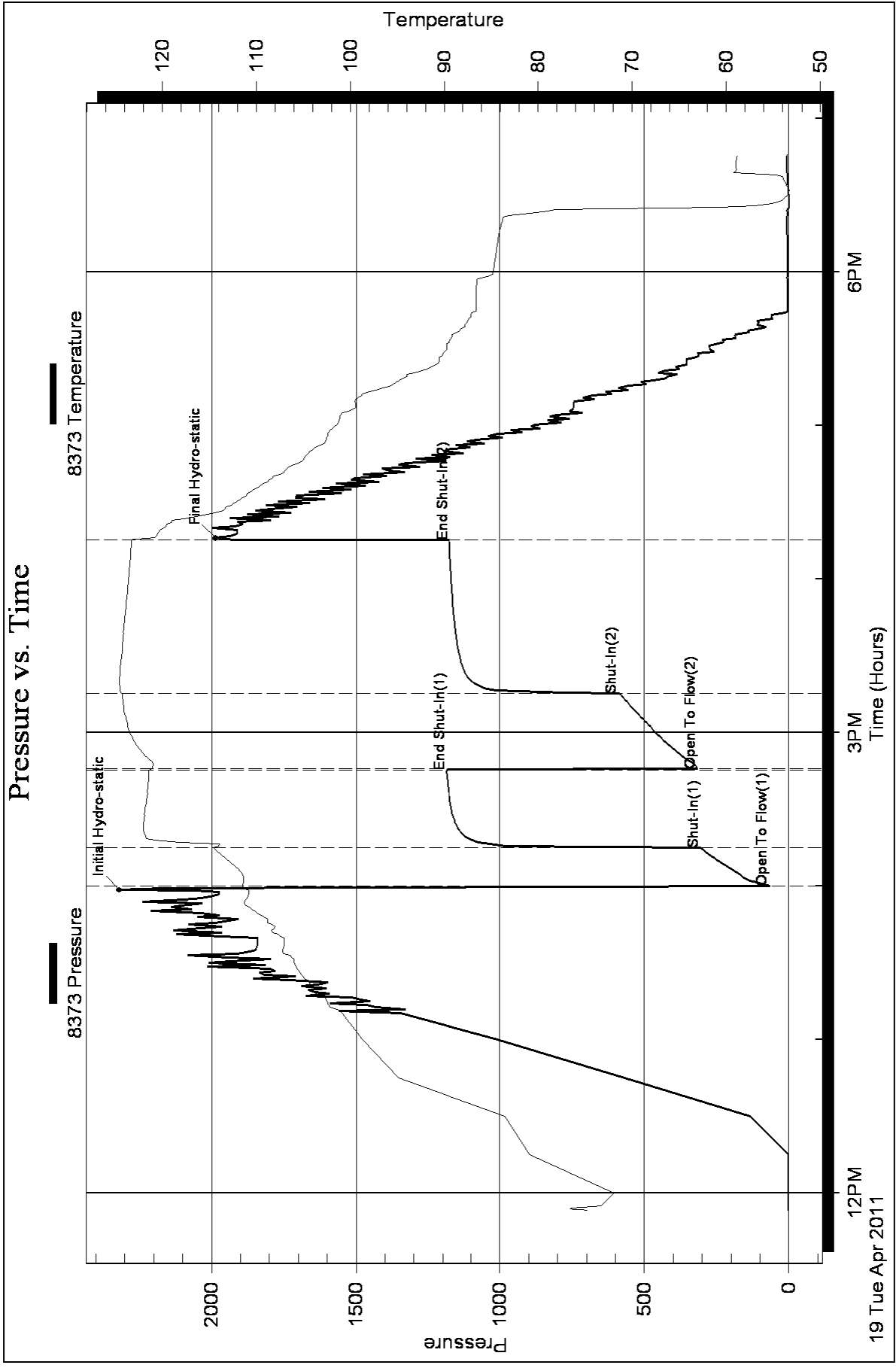
Length ft	Description	Volume bbl
682.00	mcw 95%w 5%m	7.417
248.00	mcw 90%w 10%m	3.479
320.00	mcw 60%w 40%m	4.489

Total Length: 1250.00 ft Total Volume: 15.385 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: .21@60=40000





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Prepared For: **Carmen Schmitt Inc**

PO Box 47
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ATTN: Tom Funk

15-12s-34w Logan, KS

G. W. Van Eaton #1-15

Start Date: 2011.04.20 @ 00:44:52

End Date: 2011.04.20 @ 06:56:31

Job Ticket #: 042087 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



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Carmen Schmitt Inc
 PO Box 47
 Great Bend, Ks 67530
 ATTN: Tom Funk

G. W. Van Eaton #1-15
15-12s-34w Logan, KS
 Job Ticket: 042087 **DST#: 2**
 Test Start: 2011.04.20 @ 00:44:52

GENERAL INFORMATION:

Formation: **Lansing E- F**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 02:25:32
 Tester: Brandon Turley/ Jim
 Time Test Ended: 06:56:31
 Unit No: 35
 Interval: **4178.00 ft (KB) To 4202.00 ft (KB) (TVD)**
 Reference Elevations: 3195.00 ft (KB)
 Total Depth: 4202.00 ft (KB) (TVD)
 3185.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 10.00 ft

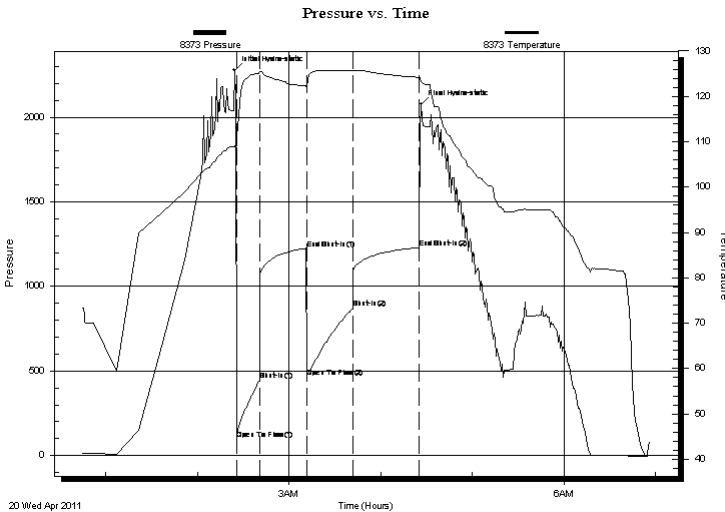
Serial #: 8373

Inside

Press @ Run Depth: 869.51 psig @ 4179.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.04.20 End Date: 2011.04.20 Last Calib.: 2011.04.20
 Start Time: 00:44:52 End Time: 06:56:31 Time On Btm: 2011.04.20 @ 02:24:17
 Time Off Btm: 2011.04.20 @ 04:26:32

TEST COMMENT: IF: BOB in 2 mins
 IS: no return
 FF: BOB in 3 mins
 FS: no return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2276.76	109.00	Initial Hydro-static
2	98.86	109.06	Open To Flow (1)
17	444.75	125.14	Shut-In(1)
47	1224.44	122.28	End Shut-In(1)
48	464.18	121.96	Open To Flow (2)
78	869.51	125.63	Shut-In(2)
121	1228.61	124.17	End Shut-In(2)
123	2076.77	123.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1674.00	water 100% w	21.33
186.00	w cm 40% w 60% m	2.61

Gas Rates

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



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TOOL DIAGRAM

Carmen Schmitt Inc
PO Box 47
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ATTN: Tom Funk

G. W. Van Eaton #1-15
15-12s-34w Logan, KS
Job Ticket: 042087 **DST#: 2**
Test Start: 2011.04.20 @ 00:44:52

Tool Information

Drill Pipe:	Length: 3944.00 ft	Diameter: 3.80 inches	Volume: 55.32 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: 236.00 ft	Diameter: 2.25 inches	Volume: 1.16 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 56.48 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4178.00 ft			Final	66000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	44.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4159.00	
Shut In Tool	5.00			4164.00	
Hydraulic tool	5.00			4169.00	
Packer	5.00			4174.00	20.00 Bottom Of Top Packer
Packer	4.00			4178.00	
Stubb	1.00			4179.00	
Recorder	0.00	8373	Inside	4179.00	
Recorder	0.00	8289	Outside	4179.00	
Perforations	18.00			4197.00	
Bullnose	5.00			4202.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



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G. W. Van Eaton #1-15
15-12s-34w Logan, KS
Job Ticket: 042087 **DST#: 2**
Test Start: 2011.04.20 @ 00:44:52

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: 48000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.53 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 6400.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

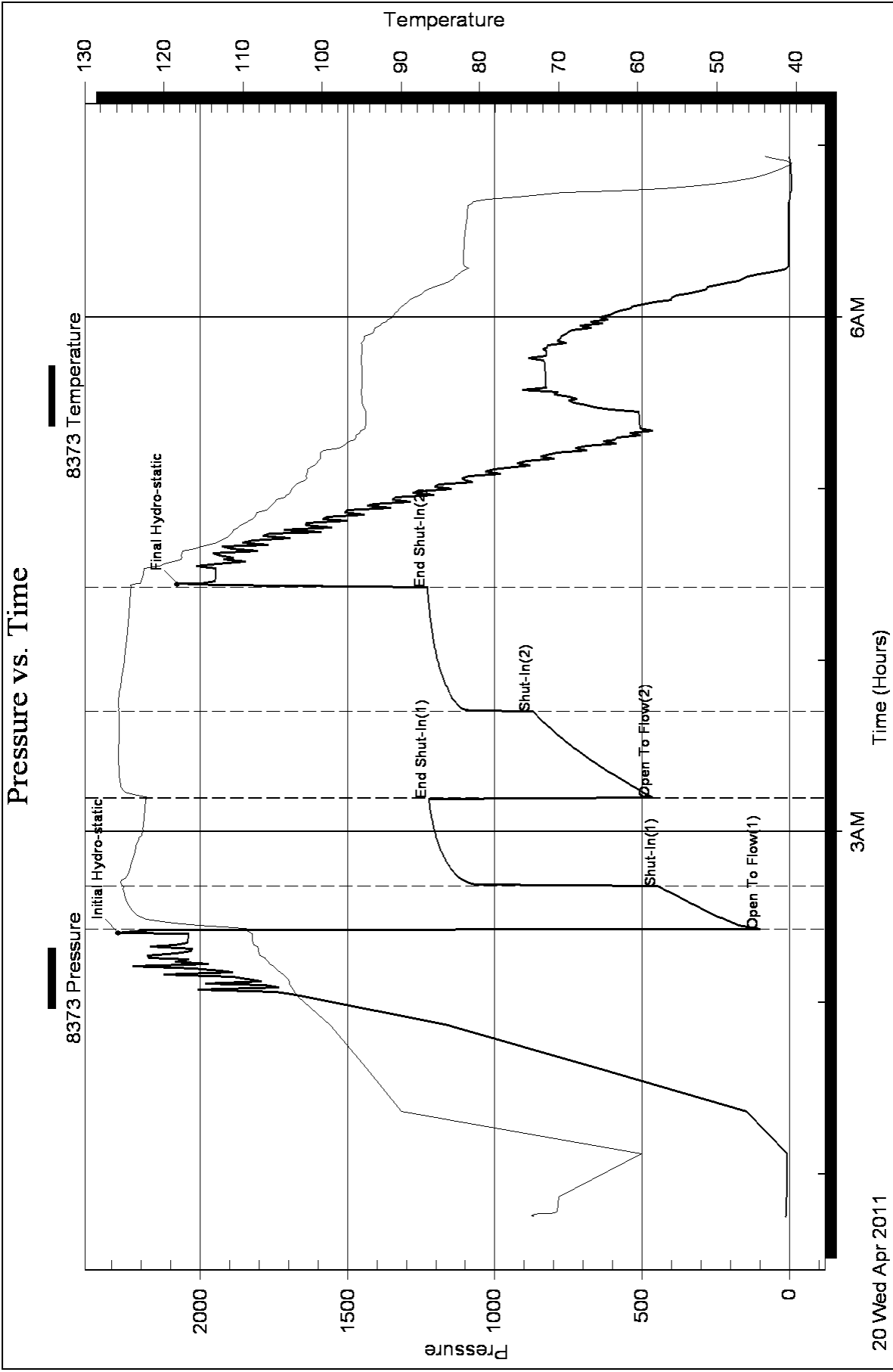
Length ft	Description	Volume bbl
1674.00	water 100% w	21.332
186.00	w cm 40% w 60% m	2.609

Total Length: 1860.00 ft Total Volume: 23.941 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: .24@46=48000





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ATTN: Tom Funk

15-12s-34w Logan, KS

G. W. Van Eaton #1-15

Start Date: 2011.04.20 @ 15:35:48

End Date: 2011.04.20 @ 20:51:57

Job Ticket #: 042088 DST #: 3

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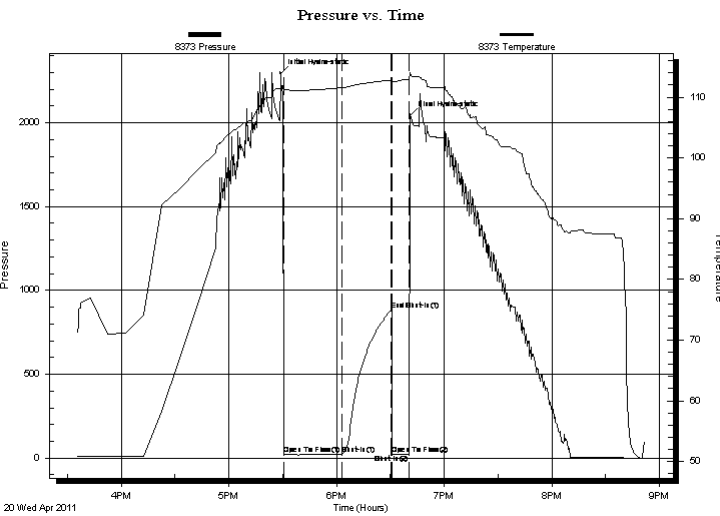
G. W. Van Eaton #1-15
15-12s-34w Logan, KS
Job Ticket: 042088 **DST#: 3**
Test Start: 2011.04.20 @ 15:35:48

GENERAL INFORMATION:

Formation: **Lansing H**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:30:28
Time Test Ended: 20:51:57
Interval: **4246.00 ft (KB) To 4277.00 ft (KB) (TVD)**
Total Depth: 4277.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Brandon Turley/ Jim
Unit No: 35
Reference Elevations: 3195.00 ft (KB)
3185.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8373 Inside
Press @ Run Depth: 23.10 psig @ 4247.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.04.20 End Date: 2011.04.20 Last Calib.: 2011.04.20
Start Time: 15:35:48 End Time: 20:51:57 Time On Btm: 2011.04.20 @ 17:28:58
Time Off Btm: 2011.04.20 @ 18:41:13

TEST COMMENT: IF: surface blow died in 7 mins
IS: no return
FF: no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2294.73	111.53	Initial Hydro-static
2	22.83	110.82	Open To Flow (1)
35	23.10	111.57	Shut-In(1)
62	884.53	112.83	End Shut-In(1)
62	22.47	112.38	Open To Flow (2)
72	22.69	112.92	Shut-In(2)
73	2044.59	114.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w ith oil spots 100% mud	0.02

Gas Rates

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



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TOOL DIAGRAM

Carmen Schmitt Inc
PO Box 47
Great Bend, Ks 67530
ATTN: Tom Funk

G. W. Van Eaton #1-15
15-12s-34w Logan, KS
Job Ticket: 042088 **DST#: 3**
Test Start: 2011.04.20 @ 15:35:48

Tool Information

Drill Pipe:	Length: 4006.00 ft	Diameter: 3.80 inches	Volume: 56.19 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: 25000.00 lb
Drill Collar:	Length: 236.00 ft	Diameter: 2.25 inches	Volume: 1.16 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 57.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4246.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4227.00	
Shut In Tool	5.00			4232.00	
Hydraulic tool	5.00			4237.00	
Packer	5.00			4242.00	20.00 Bottom Of Top Packer
Packer	4.00			4246.00	
Stubb	1.00			4247.00	
Recorder	0.00	8373	Inside	4247.00	
Recorder	0.00	8289	Outside	4247.00	
Perforations	25.00			4272.00	
Bullnose	5.00			4277.00	31.00 Bottom Packers & Anchor
Total Tool Length:	51.00				



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G. W. Van Eaton #1-15
15-12s-34w Logan, KS
Job Ticket: 042088 **DST#: 3**
Test Start: 2011.04.20 @ 15:35:48

Mud and Cushion Information

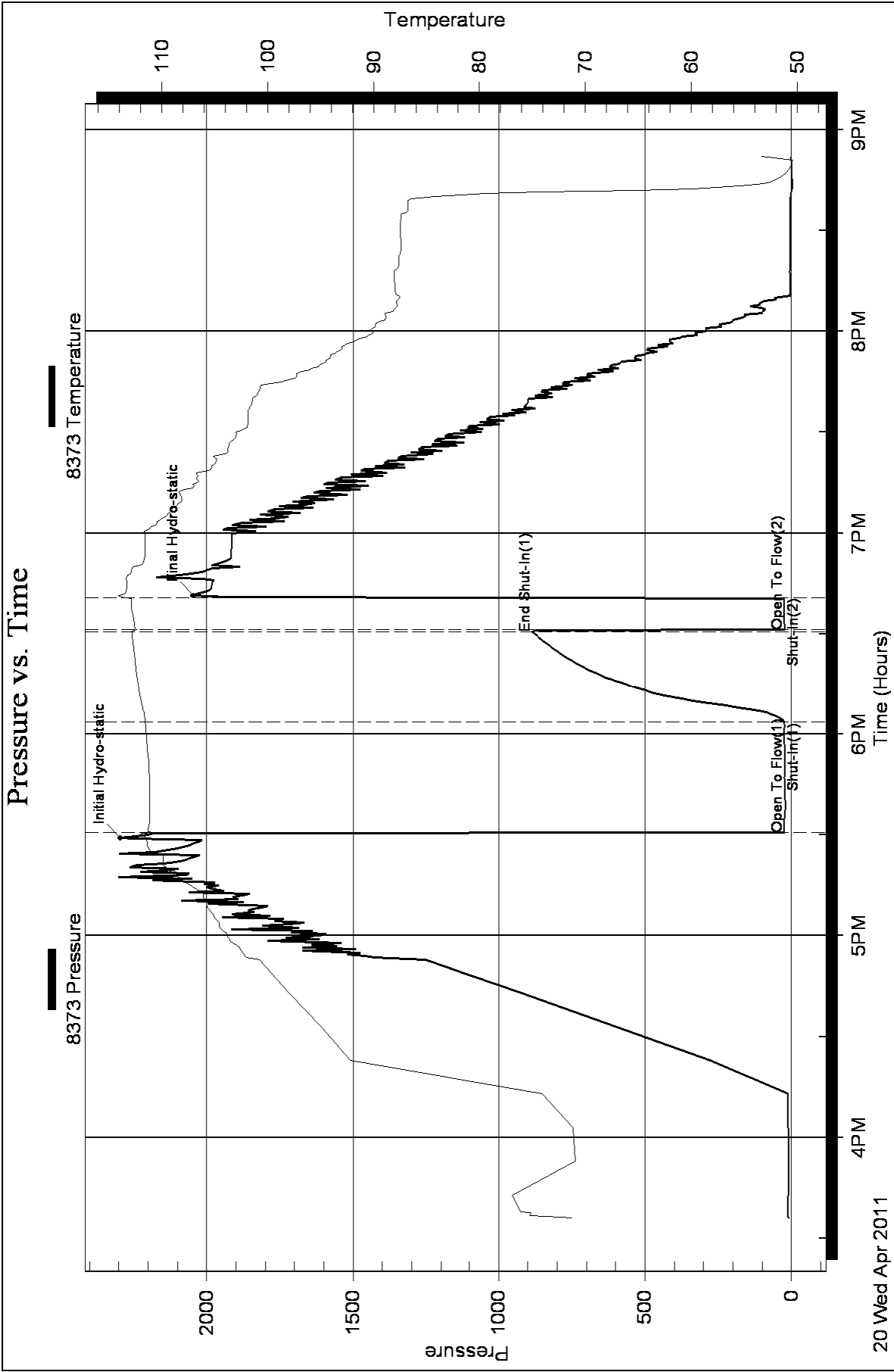
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.36 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7200.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w ith oil spots 100% mud	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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PO Box 47
Great Bend, Ks 67530

ATTN: Tom Funk

15-12s-34w Logan, KS

G. W. Van Eaton #1-15

Start Date: 2011.04.21 @ 07:58:38

End Date: 2011.04.21 @ 15:12:02

Job Ticket #: 042089 DST #: 4

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PO Box 47
Great Bend, Ks 67530
ATTN: Tom Funk

G. W. Van Eaton #1-15
15-12s-34w Logan, KS
Job Ticket: 042089 **DST#: 4**
Test Start: 2011.04.21 @ 07:58:38

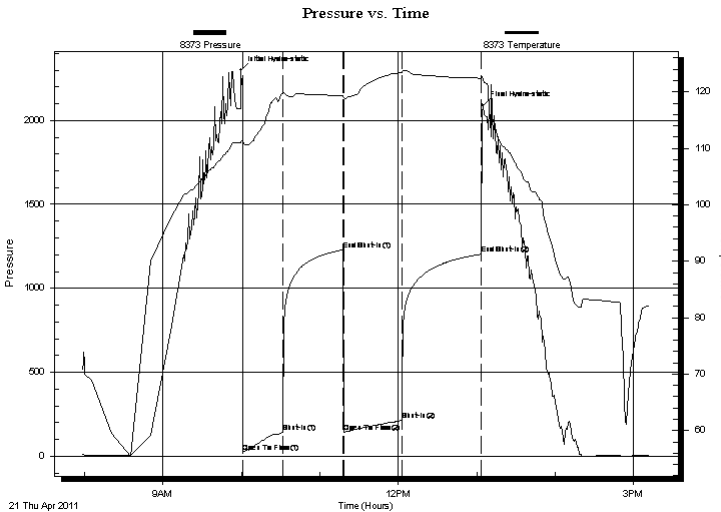
GENERAL INFORMATION:

Formation: **Lansing I-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:01:18
Time Test Ended: 15:12:02
Interval: **4336.00 ft (KB) To 4277.00 ft (KB) (TVD)**
Total Depth: 4336.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 3195.00 ft (KB)
3185.00 ft (CF)
KB to GR/CF: 10.00 ft
Test Type: Conventional Bottom Hole
Tester: Brandon Turley/ Jim
Unit No: 35

Serial #: 8373 Inside
Press @ Run Depth: 213.10 psig @ 4337.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.04.21 End Date: 2011.04.21 Last Calib.: 2011.04.21
Start Time: 07:58:38 End Time: 15:12:02 Time On Btm: 2011.04.21 @ 09:59:48
Time Off Btm: 2011.04.21 @ 13:04:32

TEST COMMENT: IF: 1/4 blow BOB in 29 mins
IS: no return
FF: surface blow built to 9 in 45 mins
FS: no return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2298.26	111.23	Initial Hydro-static
2	23.33	110.76	Open To Flow (1)
32	139.84	119.72	Shut-In(1)
78	1229.60	119.42	End Shut-In(1)
79	143.39	118.97	Open To Flow (2)
123	213.10	123.41	Shut-In(2)
184	1202.95	122.41	End Shut-In(2)
185	2089.58	122.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 80% w 20% m	0.61
186.00	mcw 60% w 40% m	1.59
134.00	w cm 30% w 70% m	1.88

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
Great Bend, Ks 67530
ATTN: Tom Funk

G. W. Van Eaton #1-15
15-12s-34w Logan, KS
Job Ticket: 042089 **DST#: 4**
Test Start: 2011.04.21 @ 07:58:38

Tool Information

Drill Pipe:	Length: 4098.00 ft	Diameter: 3.80 inches	Volume: 57.48 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: 25000.00 lb
Drill Collar:	Length: 236.00 ft	Diameter: 2.25 inches	Volume: 1.16 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 58.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4336.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4317.00	
Shut In Tool	5.00			4322.00	
Hydraulic tool	5.00			4327.00	
Packer	5.00			4332.00	20.00 Bottom Of Top Packer
Packer	4.00			4336.00	
Stubb	1.00			4337.00	
Recorder	0.00	8373	Inside	4337.00	
Recorder	0.00	8289	Outside	4337.00	
Perforations	22.00			4359.00	
Change Over Sub	1.00			4360.00	
Drill Pipe	31.00			4391.00	
Change Over Sub	1.00			4392.00	
Bullnose	3.00			4395.00	59.00 Bottom Packers & Anchor

Total Tool Length: 79.00



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FLUID SUMMARY

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PO Box 47
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ATTN: Tom Funk

G. W. Van Eaton #1-15
15-12s-34w Logan, KS
Job Ticket: 042089 **DST#: 4**
Test Start: 2011.04.21 @ 07:58:38

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: 68000 ppm
Viscosity: 62.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.57 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 7700.00 ppm		
Filter Cake: 2.00 inches		

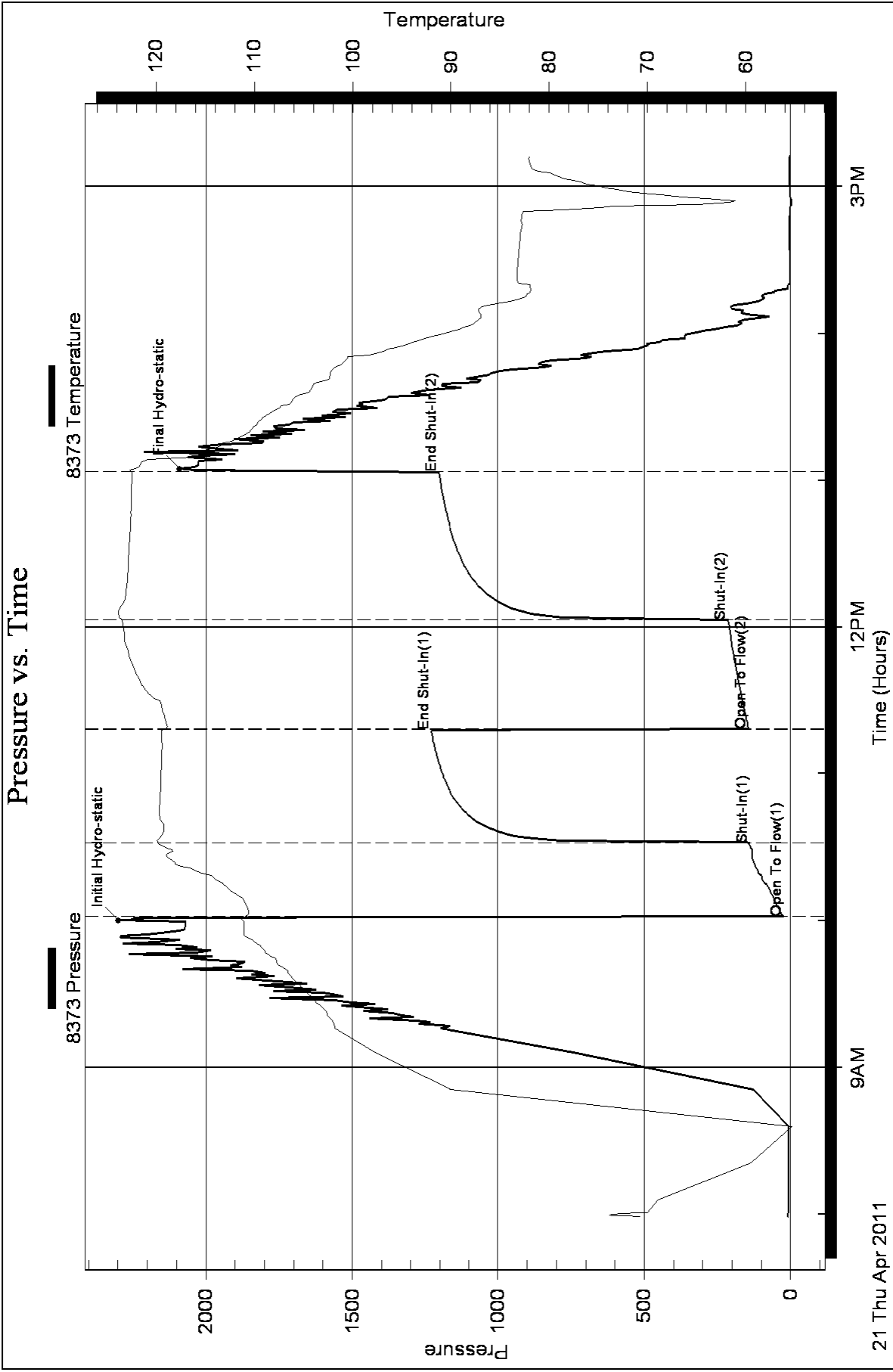
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mcw 80% w 20% m	0.610
186.00	mcw 60% w 40% m	1.589
134.00	w cm 30% w 70% m	1.880

Total Length: 444.00 ft Total Volume: 4.079 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .1@80=68000

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, Ks 67530

ATTN: Tom Funk

15-12s-34w Logan, KS

G. W. Van Eaton #1-15

Start Date: 2011.04.23 @ 12:38:00

End Date: 2011.04.23 @ 20:23:20

Job Ticket #: 43115 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc
PO Box 47
Great Bend, Ks 67530
ATTN: Tom Funk

G. W. Van Eaton #1-15
15-12s-34w Logan, KS
Job Ticket: 43115 **DST#: 5**
Test Start: 2011.04.23 @ 12:38:00

Tool Information

Drill Pipe:	Length: 4328.00 ft	Diameter: 3.80 inches	Volume: 60.71 bbl	Tool Weight: 3000.00 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: 236.00 ft	Diameter: 2.25 inches	Volume: 1.16 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4561.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	4612.00 ft			
Interval between Packers:	51.00 ft			
Tool Length:	283.00 ft			
Number of Packers:	3	Diameter:	6.75 inches	

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4542.00	
Shut In Tool	5.00			4547.00	
Hydraulic tool	5.00			4552.00	
Packer	5.00			4557.00	20.00 Bottom Of Top Packer
Packer	4.00			4561.00	
Stubb	1.00			4562.00	
Perforations	9.00			4571.00	
Change Over Sub	1.00			4572.00	
Drill Pipe	30.00			4602.00	
Change Over Sub	1.00			4603.00	
Perforations	5.00			4608.00	
Recorder	0.00	8018	Inside	4608.00	
Recorder	0.00	6751	Outside	4608.00	
Blank Off Sub	1.00			4609.00	
top of s pack	3.00			4612.00	51.00 Tool Interval
Packer	1.00			4613.00	
Stubb	1.00			4614.00	
Recorder	0.00	8357	Below	4614.00	
Perforations	17.00			4631.00	
Change Over Sub	1.00			4632.00	
Drill Pipe	188.00			4820.00	
Change Over Sub	1.00			4821.00	
Bullnose	3.00			4824.00	212.00 Bottom Packers & Anchor
Total Tool Length:	283.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Great Bend, Ks 67530
ATTN: Tom Funk

G. W. Van Eaton #1-15
15-12s-34w Logan, KS
Job Ticket: 43115 **DST#: 5**
Test Start: 2011.04.23 @ 12:38:00

Mud and Cushion Information

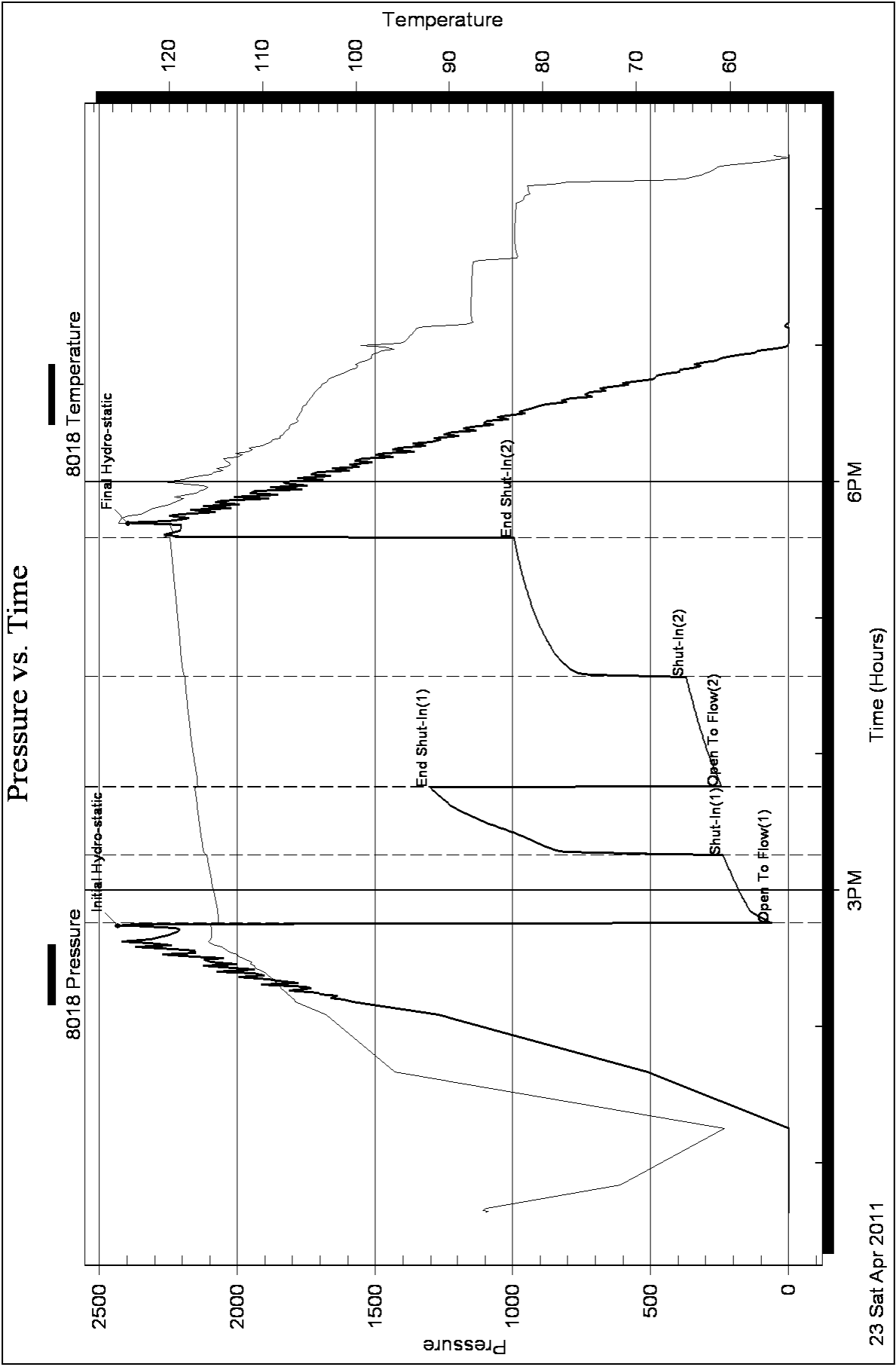
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity: 50000 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.59 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 7200.00 ppm		
Filter Cake: 2.00 inches		

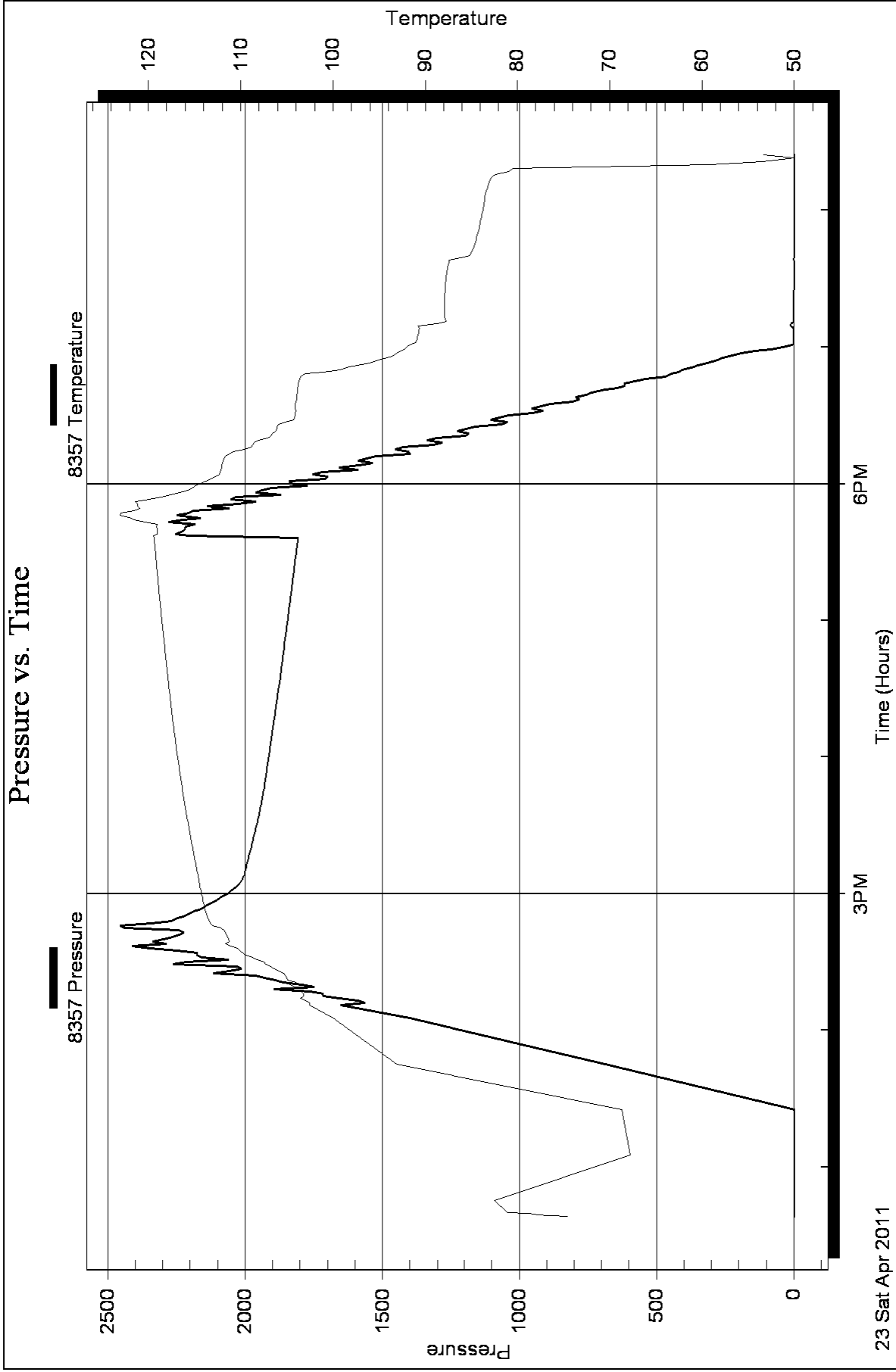
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW; .225 @ 43 DEGREES F= 50000 PPM	0.000
124.00	osm 15m 85w	0.610
248.00	gocmw 10g 5o 20m 65w	2.459
124.00	gocmw 10g 10o 40m 40w	1.739
372.00	gocw m 20g 10o 30w 40m	5.218
0.00	248 feet GIP	0.000

Total Length: 868.00 ft Total Volume: 7.417 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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APR 25 2011

Test Ticket

NO. 042086

Well Name & No. G.W. Van Eton 1-15 Test No. 1 Date 4-19-11
 Company Carmen Schmitt Inc Elevation 3195 KB 3185 GL
 Address P.O. Box 47 Grettbend, KS 67530
 Co. Rep / Geo. Tom Fank Rig Murfin 22
 Location: Sec. 15 Twp. 12S Rge. 34W Co. Logan State KS

Interval Tested 4123 4165 Zone Tested LKC-C-D
 Anchor Length _____ Drill Pipe Run 3884 Mud Wt. 9.5
 Top Packer Depth 418 ~~4160~~ Drill Collars Run 236 Vis 57
 Bottom Packer Depth 4123 ~~4115~~ Wt. Pipe Run --- WL 9.6
 Total Depth 4165 Chlorides 6400 ppm System LCM 2

Blow Description IF: 1/4 blow BoB in 3 min.
IS: No return.
FF: 1/4 blow BoB in 5 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>320</u>	<u>MCOW</u>		<u>60</u>	<u>40</u>	
<u>248</u>	<u>MCW</u>		<u>90</u>	<u>10</u>	
<u>682</u>	<u>MCW</u>		<u>95</u>	<u>5</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 1250 BHT 123 Gravity --- API RW .21 @ 60 ° F Chlorides 40000 ppm
 (A) Initial Hydrostatic 2318 Test 1225.00 T-On Location 11:15
 (B) First Initial Flow 65 Jars _____ T-Started 11:52
 (C) First Final Flow 304 Safety Joint _____ T-Open 13:59
 (D) Initial Shut-In 1184 Circ Sub N/L T-Pulled 16:14
 (E) Second Initial Flow 315 Hourly Standby _____ T-Out 18:45
 (F) Second Final Flow 586 Mileage 132-165.00 Comments _____
 (G) Final Shut-In 1174 Sampler _____
 (H) Final Hydrostatic 1985 Straddle _____

Initial Open 15 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 30 Extra Recorder _____ Extra Copies _____
 Final Shut-In 60 Day Standby _____ Sub Total 8
 Accessibility _____ Total 1390
 Sub Total 1390 MP/DST Disc't _____

Approved By [Signature] Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601 BY: _____

RECEIVED
APR 25 2011

Test Ticket

NO. 042087

Well Name & No. G.W. Van Eaton 1-15 Test No. 2 Date 4-20-11
 Company Carmen Schmitt Elevation 3195 KB 3185 GL
 Address P.O. Box 47 Greatbend, KS 67530
 Co. Rep / Geo. Tom Funk Rig Martin 22
 Location: Sec. 15 Twp. 12S Rge. 34W Co. Logan State KS

Interval Tested 4178 4202 Zone Tested Lansing E-F
 Anchor Length 24 Drill Pipe Run 3944 Mud Wt. 9.5
 Top Packer Depth 4173 Drill Collars Run 236 Vis 57
 Bottom Packer Depth 4178 Wt. Pipe Run — WL 9.6
 Total Depth 4202 Chlorides 6400 ppm System LCM 2

Blow Description IF: BOB in 2 min.
IS: No return.
FF: BOB in 3 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>186</u>	<u>wcm</u>		<u>40</u>	<u>60</u>	
<u>1674</u>	<u>water</u>		<u>100</u>		
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 1860 BHT 124 Gravity — API RW .24 @ 46 °F Chlorides 48,000 ppm

(A) Initial Hydrostatic <u>2276</u>	<input checked="" type="checkbox"/> Test <u>1225.00</u>	T-On Location <u>00:10</u>
(B) First Initial Flow <u>98</u>	<input type="checkbox"/> Jars _____	T-Started <u>00:44</u>
(C) First Final Flow <u>444</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>2:24</u>
(D) Initial Shut-In <u>1224</u>	<input checked="" type="checkbox"/> Circ Sub <u>50.00</u>	T-Pulled <u>4:39</u>
(E) Second Initial Flow <u>464</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>7:00</u>
(F) Second Final Flow <u>869</u>	<input checked="" type="checkbox"/> Mileage <u>132-165.00</u>	Comments _____
(G) Final Shut-In <u>1228</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2076</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 60

Ruined Packer 260.00
 Extra Copies _____
 Sub Total 260-
 Total 1700-
 MP/DST Disc't _____

Sub Total 1440-

Approved By [Signature] Our Representative [Signature]

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RECEIVED
APR 25 2011

Test Ticket

NO. 042088

4/10

BY:

Well Name & No. G.W. U9N Epton 1-15 Test No. 3 Date 4-20-11
 Company CARMEN Schmitt Inc Elevation 3195 KB 3185 GL
 Address P.O. Box 47 Grestband, KS 67530
 Co. Rep / Geo. Tom Funk Rig Musfin 22
 Location: Sec. 15 Twp. 12S Rge. 34W Co. L099N State KS

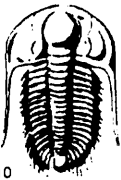
Interval Tested 4246 4277 Zone Tested Lansing H
 Anchor Length 31 Drill Pipe Run 4006 Mud Wt. 9.7
 Top Packer Depth 4241 Drill Collars Run 236 Vis 53
 Bottom Packer Depth 4246 Wt. Pipe Run — WL 10.4
 Total Depth 4277 Chlorides 7200 ppm System LCM 1
 Blow Description FF: Surface blow died 7 min.
IS: No return.
FF: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud oil spots</u>			<u>100</u>	
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

Rec Total 5 BHT 112 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2294 Test 1225.00 T-On Location 15:00
 (B) First Initial Flow 23 Jars — T-Started 15:35
 (C) First Final Flow 23 Safety Joint — T-Open 17:30
 (D) Initial Shut-In 884 Circ Sub NIC T-Pulled 18:40
 (E) Second Initial Flow 22 Hourly Standby — T-Out 20:55
 (F) Second Final Flow 22 Mileage 132-165.00 Comments —
 (G) Final Shut-In — Sampler —
 (H) Final Hydrostatic 2094 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —
 Extra Recorder — Sub Total 0
 Day Standby — Total 1390
 Accessibility — MP/DST Disc't —
 Sub Total 1390

Approved By [Signature] Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damages of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



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RECEIVED
APR 25 2011

Test Ticket

NO. 042089

4/10

BY: _____

Well Name & No. G.W. Ugn Eaton 1-15 Test No. 4 Date 4-21-11
 Company Carmen Schmitt Inc Elevation 3195 KB 3185 GL
 Address P.O. Box 47 Greatbend, KS 67530
 Co. Rep / Geo. Tom Funk Rig Marfin 22
 Location: Sec. 15 Twp. 12^s Rge. 34W Co. Logan State KS

Interval Tested 4277 4336 Zone Tested Lmsing F-J
 Anchor Length _____ Drill Pipe Run 4098 Mud Wt. 9.6
 Top Packer Depth _____ Drill Collars Run 236 Vis 62
 Bottom Packer Depth 4277 Wt. Pipe Run _____ WL 9.6
 Total Depth 4336 Chlorides 7700 ppm System LCM 1

Blow Description IF: 1/4 blow BoB in 29 min.
IS: No return.
FK: Surface blow built to 9 in 45 min.
FS: No return.

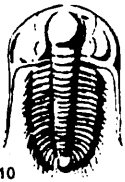
Rec	Feet of	%gas	%oil	%water	%mud
<u>134</u>	<u>WCM</u>		<u>30</u>	<u>70</u>	
<u>186</u>	<u>MLW</u>		<u>60</u>	<u>40</u>	
<u>124</u>	<u>MLW</u>		<u>80</u>	<u>20</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 444 BHT 122 Gravity ~ API RW 1 @ 80 °F Chlorides 68,000 ppm

(A) Initial Hydrostatic 2298 Test 1225.00 T-On Location 7:20
 (B) First Initial Flow 23 Jars _____ T-Started 7:58
 (C) First Final Flow 139 Safety Joint _____ T-Open 10:01
 (D) Initial Shut-In 1229 Circ Sub N/L T-Pulled 13:01
 (E) Second Initial Flow 143 Hourly Standby _____ T-Out 15:20
 (F) Second Final Flow 213 Mileage 132-165.00 Comments _____
 (G) Final Shut-In 1202 Sampler _____
 (H) Final Hydrostatic 2089 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 8
 Day Standby _____ Total 1390
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1390

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

APR 26 2011

NO. 43115

BY: _____

Well Name & No. G.W. VAN EATON 1-15 Test No. 5 Date 4-23-11

Company CARMEN SCHMITT INC Elevation 3195 KB 3185 GL

Address PO BOX 47 GREAT BEND, KS 67530

Co. Rep / Geo. TOM FUNK Rig MURFIN 22

Location: Sec. 15 Twp. 12s Rge. 34w Co. LOGAN State KS

Interval Tested 4561 - 4612 Zone Tested MYRIC STATION, FORT SCOTT

Anchor Length 51 Drill Pipe Run 4328 Mud Wt. 9.5

Top Packer Depth 4557 Drill Collars Run 236 Vis 59

Bottom Packer Depth 4612 Wt. Pipe Run 0 WL 9.6

Total Depth 4820 Chlorides 7000 ppm System LCM 2

Blow Description IF: B.O.B. @ 7 MINS

ISI: NO RETURN

FF: B.O.B. @ 15 MINS

FSI: 2" Return

Rec	Feet of	%gas	%oil	%water	%mud
372	GOCWM	20	10	30	40
124	GOCMW	10	10	40	40
248	GOCMW	10	5	65	20
124	OSM		85	15	
0	248' GIP				

Rec Total 868 BHT 120 Gravity 0 API RW .225 @ 43 ° F Chlorides 50,000 ppm

(A) Initial Hydrostatic 2432 Test 1225' T-On Location 11:15

(B) First Initial Flow 62 Jars _____ T-Started 12:38

(C) First Final Flow 238 Safety Joint _____ T-Open 14:46

(D) Initial Shut-In 1301 Circ Sub 50' T-Pulled 17:35

(E) Second Initial Flow 245 Hourly Standby _____ T-Out 20:23

(F) Second Final Flow 371 Mileage 132RT 165.00' Comments _____

(G) Final Shut-In 995 Sampler _____

(H) Final Hydrostatic 2395 Straddle 600' Ruined Shale Packer 280'

Shale Packer 250' Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____

Initial Shut-In 30 Extra Recorder _____ Sub Total 280'

Final Flow 45 Day Standby _____ Total 2570'

Final Shut-In 60 Accessibility _____ MP/DST Disc't _____

Sub Total 2290'

Approved By [Signature] Our Representative Chuck Ania Trainee [Signature]

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Trainee