



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

WP Unit #3-7

7-14s-25w Trego, KS

Start Date: 2017.08.27 @ 20:37:00

End Date: 2017.08.28 @ 03:38:00

Job Ticket #: 64213 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.08.31 @ 11:58:09



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64213 **DST#: 1**
 Test Start: 2017.08.27 @ 20:37:00

GENERAL INFORMATION:

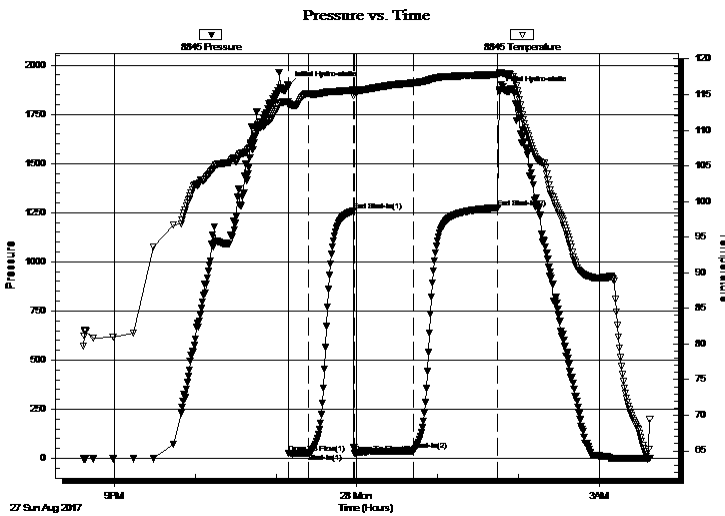
Formation: **LKC H-1**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:09:30
 Time Test Ended: 03:38:00
 Interval: **3841.00 ft (KB) To 3901.00 ft (KB) (TVD)**
 Total Depth: 3901.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2434.00 ft (KB)
 2429.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8845 Outside

Press@RunDepth: 38.89 psig @ 3842.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.08.27 End Date: 2017.08.28 Last Calib.: 2017.08.28
 Start Time: 20:37:05 End Time: 03:37:59 Time On Btm: 2017.08.27 @ 23:09:00
 Time Off Btm: 2017.08.28 @ 01:46:15

TEST COMMENT: IF: 15 - 1 1/2" blow.
 IS: 30 - No return.
 FF: 45 - 8 1/2" blow.
 FS: 60 - No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1894.77	114.05	Initial Hydro-static
1	24.93	113.58	Open To Flow (1)
15	27.54	115.10	Shut-In(1)
49	1258.97	115.61	End Shut-In(1)
50	25.63	115.38	Open To Flow (2)
93	38.89	116.63	Shut-In(2)
156	1275.95	117.81	End Shut-In(2)
158	1872.60	118.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	gmco 10g 40m 50o	0.16
20.00	oil 100o	0.28
0.00	70' GIP	0.00

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
 Great Bend, KS 67530
 ATTN: Brad Rine

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64213 **DST#: 1**
 Test Start: 2017.08.27 @ 20:37:00

Tool Information

Drill Pipe:	Length: 3805.00 ft	Diameter: 3.80 inches	Volume: 53.37 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 53.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3841.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	87.00 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			3815.00	
Shut In Tool	5.00			3820.00	
Hydraulic tool	5.00			3825.00	
Jars	5.00			3830.00	
Safety Joint	2.00			3832.00	
Packer	5.00			3837.00	27.00 Bottom Of Top Packer
Packer	4.00			3841.00	
Stubb	1.00			3842.00	
Recorder	0.00	8365	Inside	3842.00	
Recorder	0.00	8845	Outside	3842.00	
Perforations	23.00			3865.00	
Change Over Sub	1.00			3866.00	
Drill Pipe	31.00			3897.00	
Change Over Sub	1.00			3898.00	
Bullnose	3.00			3901.00	60.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

7-14s-25w Trego, KS
WP Unit #3-7
Job Ticket: 64213 **DST#: 1**
Test Start: 2017.08.27 @ 20:37:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	gmco 10g 40m 50o	0.157
20.00	oil 100o	0.281
0.00	70' GIP	0.000

Total Length: 50.00 ft Total Volume: 0.438 bbl

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

Laboratory Name: Laboratory Location:

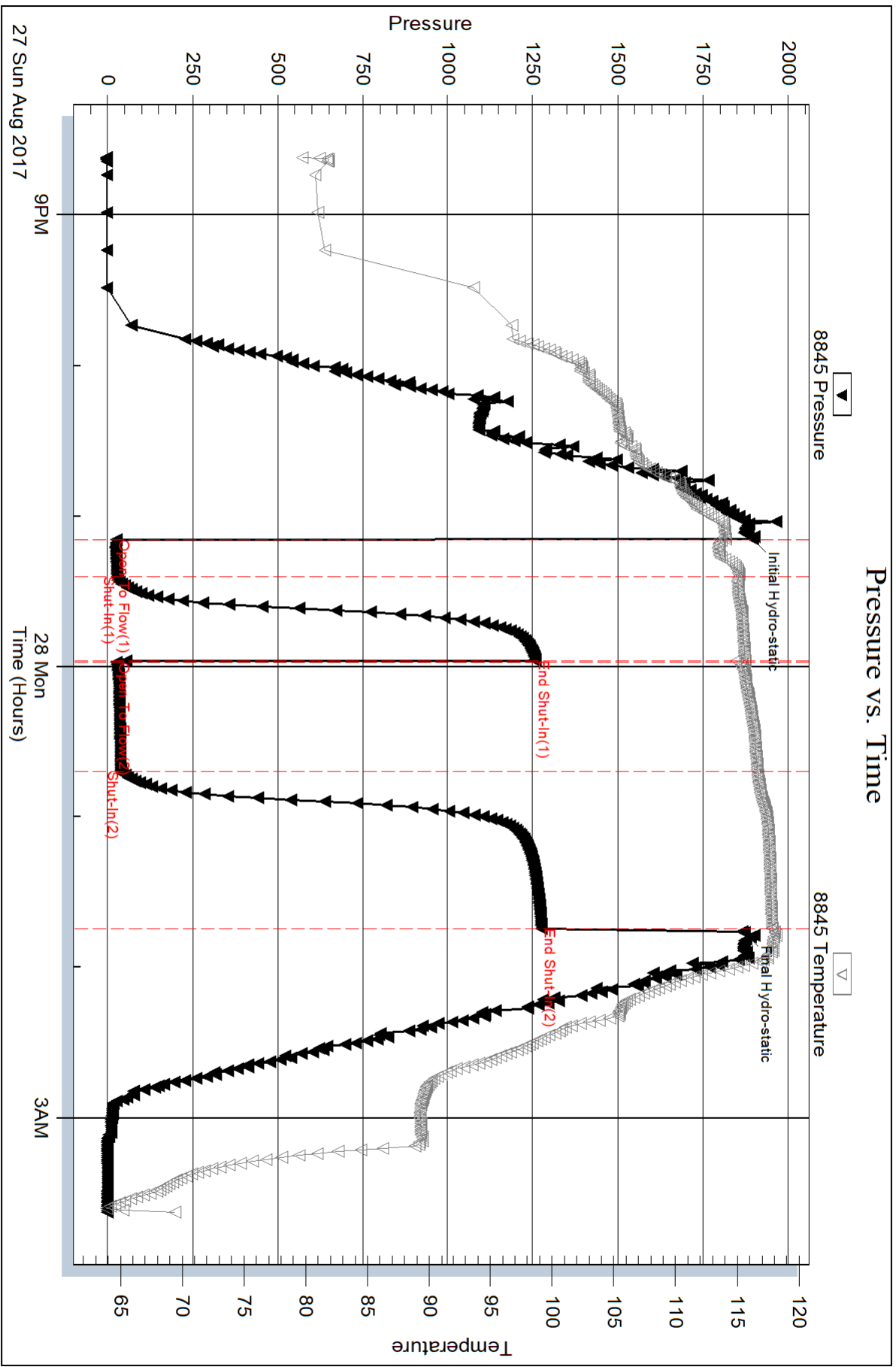
Recovery Comments:

Serial #: 8845

Outside Carmen Schmitt, Inc

WP Unit#3-7

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 64213

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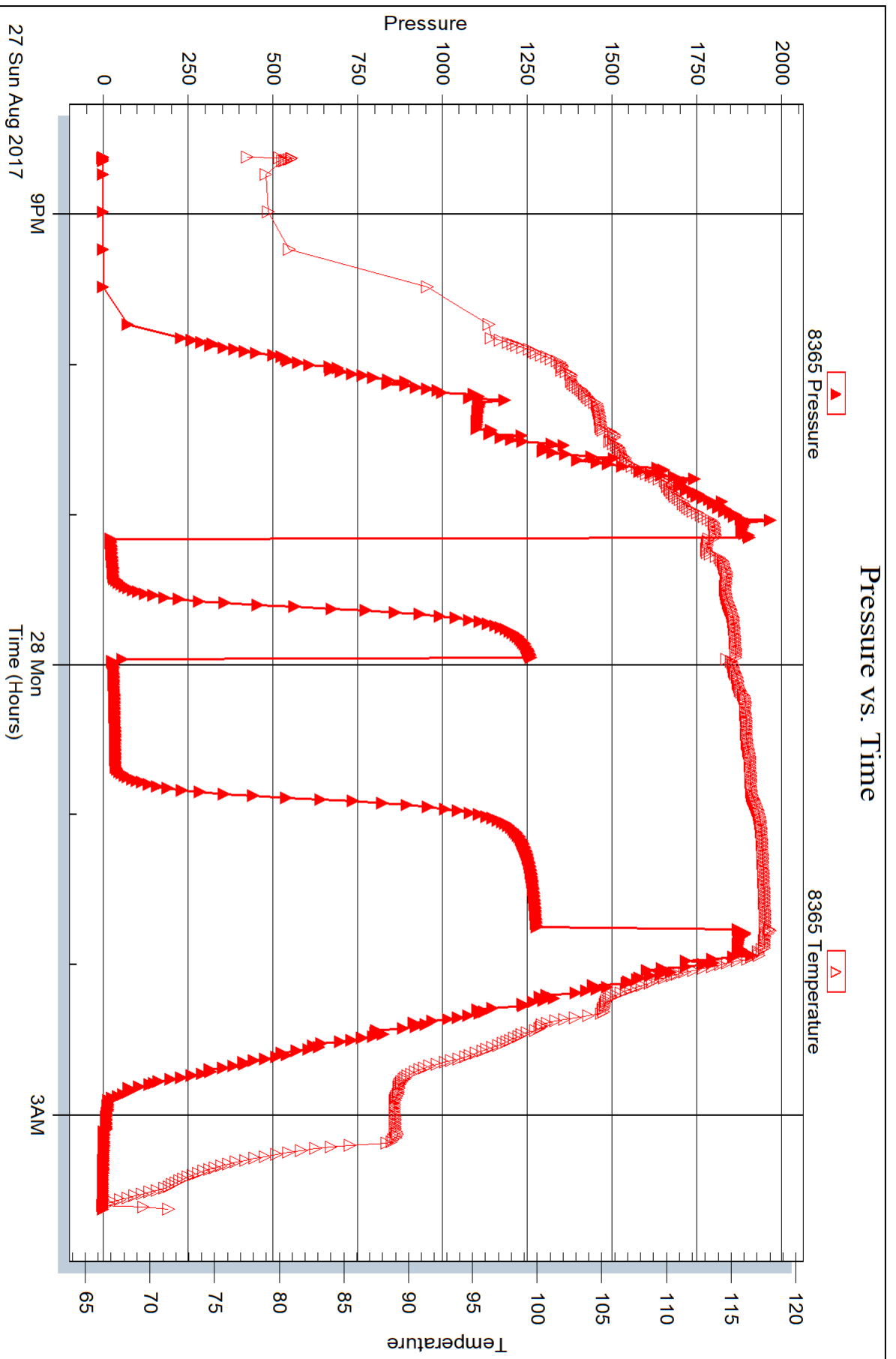
Serial #: 8365

Inside

Carmen Schmitt, Inc

WP Unit #3-7

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

WP Unit #3-7

7-14s-25w Trego, KS

Start Date: 2017.08.28 @ 10:37:00

End Date: 2017.08.28 @ 17:21:45

Job Ticket #: 64214 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.08.31 @ 11:57:49



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

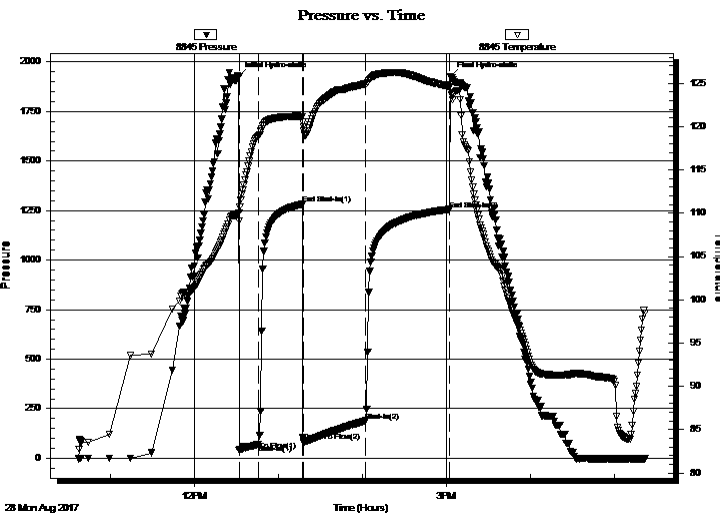
7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64214 **DST#: 2**
 Test Start: 2017.08.28 @ 10:37:00

GENERAL INFORMATION:

Formation: **LKC J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:31:45
 Time Test Ended: 17:21:45
 Interval: **3903.00 ft (KB) To 3930.00 ft (KB) (TVD)**
 Total Depth: 3930.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2434.00 ft (KB)
 2429.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8845 Outside
 Press@RunDepth: 188.01 psig @ 3904.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.08.28 End Date: 2017.08.28 Last Calib.: 2017.08.28
 Start Time: 10:37:05 End Time: 17:21:44 Time On Btm: 2017.08.28 @ 12:31:30
 Time Off Btm: 2017.08.28 @ 15:03:00

TEST COMMENT: IF: 15 - BOB @ 2 1/2 min.
 IS: 30 - 2" return.
 FF: 45 - BOB @ 2 min.
 FS: 60 - BOB return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1927.78	110.04	Initial Hydro-static
1	39.55	109.07	Open To Flow (1)
15	71.16	118.98	Shut-In(1)
46	1282.41	121.17	End Shut-In(1)
47	86.78	119.99	Open To Flow (2)
91	188.01	124.91	Shut-In(2)
151	1256.39	124.62	End Shut-In(2)
152	1928.07	124.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	gocm 40g 40m 20o	0.86
400.00	go 35g 65o	5.61
0.00	1700' GIP	0.00

* Recovery from multiple tests

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
 Great Bend, KS 67530
 ATTN: Brad Rine

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64214 **DST#: 2**
 Test Start: 2017.08.28 @ 10:37:00

Tool Information

Drill Pipe:	Length: 3868.00 ft	Diameter: 3.80 inches	Volume: 54.26 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 54.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3903.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	54.00 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			3877.00	
Shut In Tool	5.00			3882.00	
Hydraulic tool	5.00			3887.00	
Jars	5.00			3892.00	
Safety Joint	2.00			3894.00	
Packer	5.00			3899.00	27.00 Bottom Of Top Packer
Packer	4.00			3903.00	
Stubb	1.00			3904.00	
Recorder	0.00	8365	Inside	3904.00	
Recorder	0.00	8845	Outside	3904.00	
Perforations	23.00			3927.00	
Bullnose	3.00			3930.00	27.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64214 **DST#: 2**
 Test Start: 2017.08.28 @ 10:37:00

Mud and Cushion Information

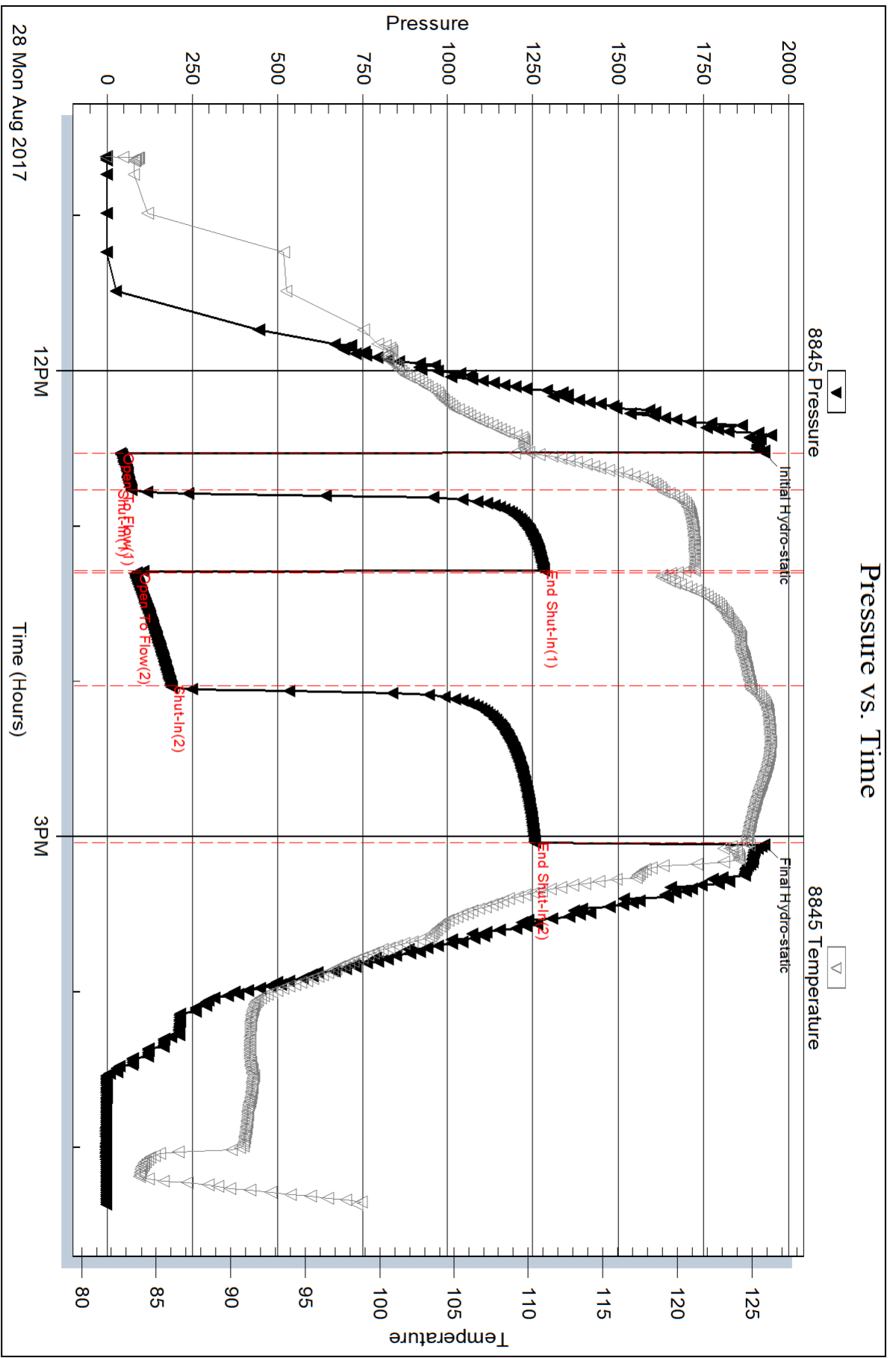
Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.39 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2700.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	gocm 40g 40m 20o	0.858
400.00	go 35g 65o	5.611
0.00	1700' GIP	0.000

Total Length: 480.00 ft Total Volume: 6.469 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



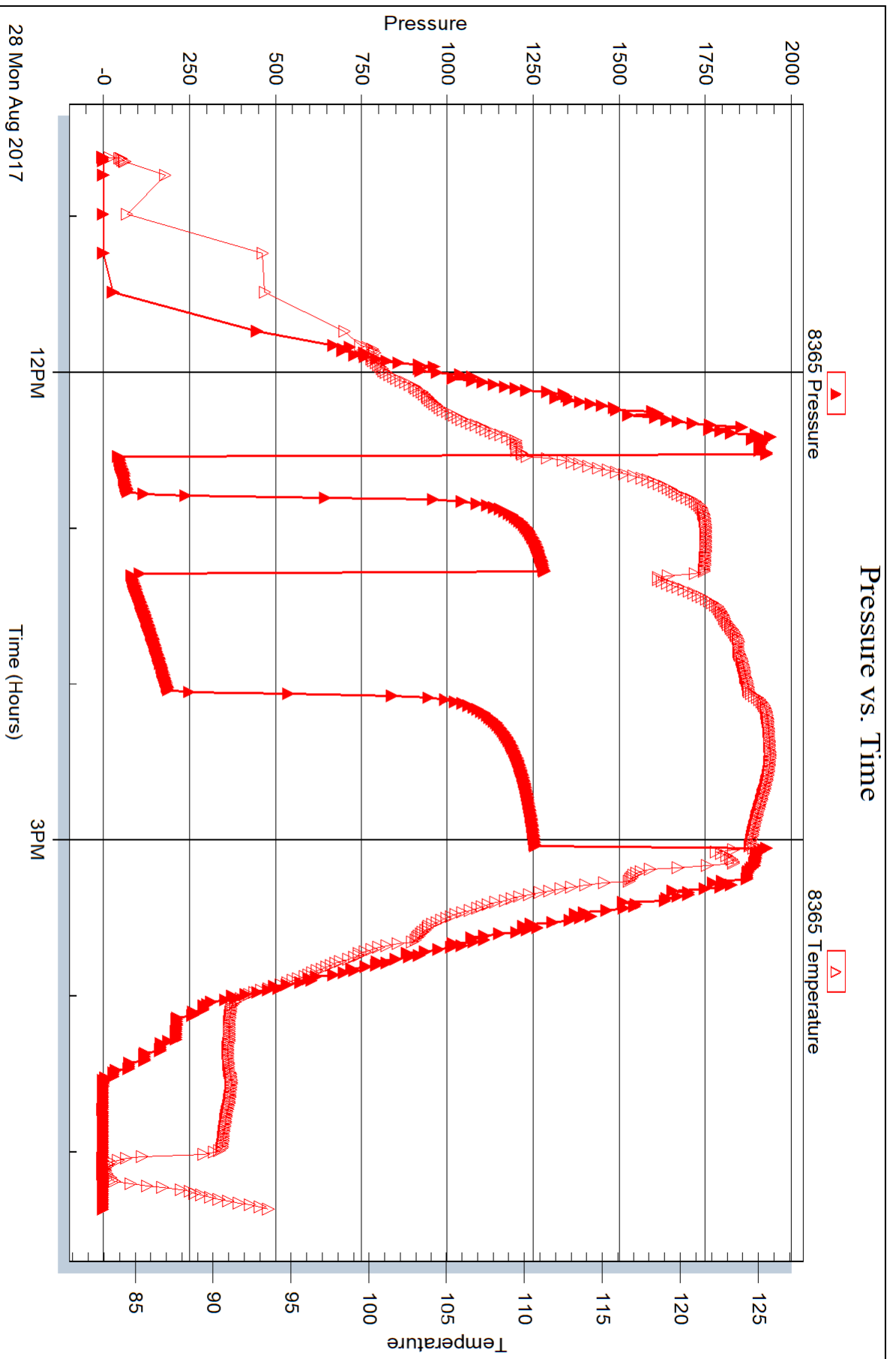
Serial #: 8365

Inside

Carmen Schmitt, Inc

WP Unit #3-7

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

WP Unit #3-7

7-14s-25w Trego, KS

Start Date: 2017.08.29 @ 00:47:00

End Date: 2017.08.29 @ 07:55:45

Job Ticket #: 64215 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.08.31 @ 11:57:24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64215 **DST#: 3**
 Test Start: 2017.08.29 @ 00:47:00

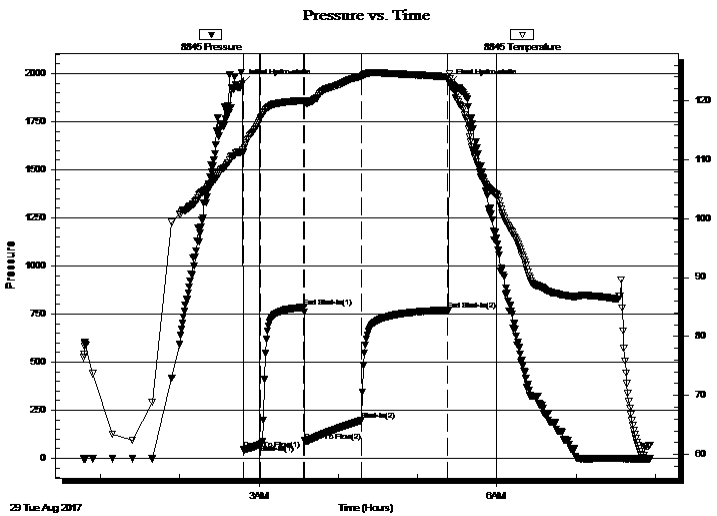
GENERAL INFORMATION:

Formation: **LKC K**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 02:48:00
 Tester: Bradley Walter
 Time Test Ended: 07:55:45
 Unit No: 78
Interval: 3931.00 ft (KB) To 3962.00 ft (KB) (TVD)
 Reference Elevations: 2434.00 ft (KB)
 Total Depth: 3962.00 ft (KB) (TVD)
 2429.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 5.00 ft

Serial #: 8845 **Outside**
 Press@RunDepth: 196.75 psig @ 3932.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.08.29 End Date: 2017.08.29 Last Calib.: 2017.08.29
 Start Time: 00:47:05 End Time: 07:55:44 Time On Btm: 2017.08.29 @ 02:47:30
 Time Off Btm: 2017.08.29 @ 05:24:15

TEST COMMENT: IF: 15 - BOB @ 2 min.
 IS: 30 - Surface return.
 FF: 45 - BOB @ 2 min.
 FS: 60 - BOB return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1949.11	111.60	Initial Hydro-static
1	44.93	111.18	Open To Flow (1)
14	74.63	117.07	Shut-In(1)
47	784.75	120.02	End Shut-In(1)
47	90.65	119.72	Open To Flow (2)
90	196.75	124.13	Shut-In(2)
156	771.92	124.04	End Shut-In(2)
157	1947.56	124.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gocm 30g 20o 50m	0.58
100.00	gmco 40g 15m 45o	1.40
350.00	go 40g 60o	4.91
0.00	1130' GIP	0.00

* Recovery from multiple tests

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
 Great Bend, KS 67530
 ATTN: Brad Rine

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64215 **DST#: 3**
 Test Start: 2017.08.29 @ 00:47:00

Tool Information

Drill Pipe:	Length: 3899.00 ft	Diameter: 3.80 inches	Volume: 54.69 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 54.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3931.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	58.00 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			3905.00	
Shut In Tool	5.00			3910.00	
Hydraulic tool	5.00			3915.00	
Jars	5.00			3920.00	
Safety Joint	2.00			3922.00	
Packer	5.00			3927.00	27.00 Bottom Of Top Packer
Packer	4.00			3931.00	
Stubb	1.00			3932.00	
Recorder	0.00	8365	Inside	3932.00	
Recorder	0.00	8845	Outside	3932.00	
Perforations	27.00			3959.00	
Bullnose	3.00			3962.00	31.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64215 **DST#: 3**
 Test Start: 2017.08.29 @ 00:47:00

Mud and Cushion Information

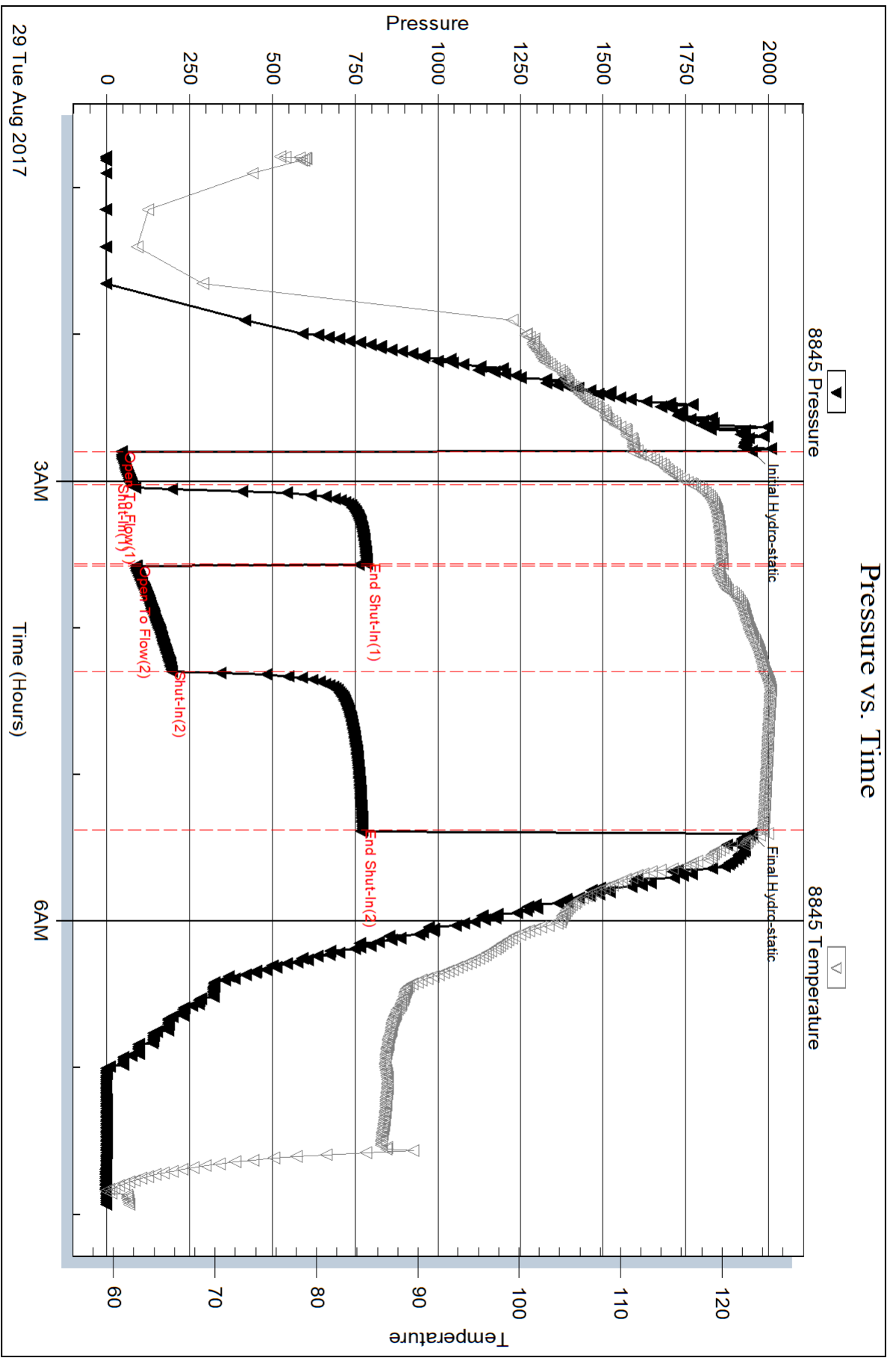
Mud Type: Gel Chem	Cushion Type:	Oil API: 38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	gocm 30g 20o 50m	0.577
100.00	gmco 40g 15m 45o	1.403
350.00	go 40g 60o	4.910
0.00	1130' GIP	0.000

Total Length: 510.00 ft Total Volume: 6.890 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



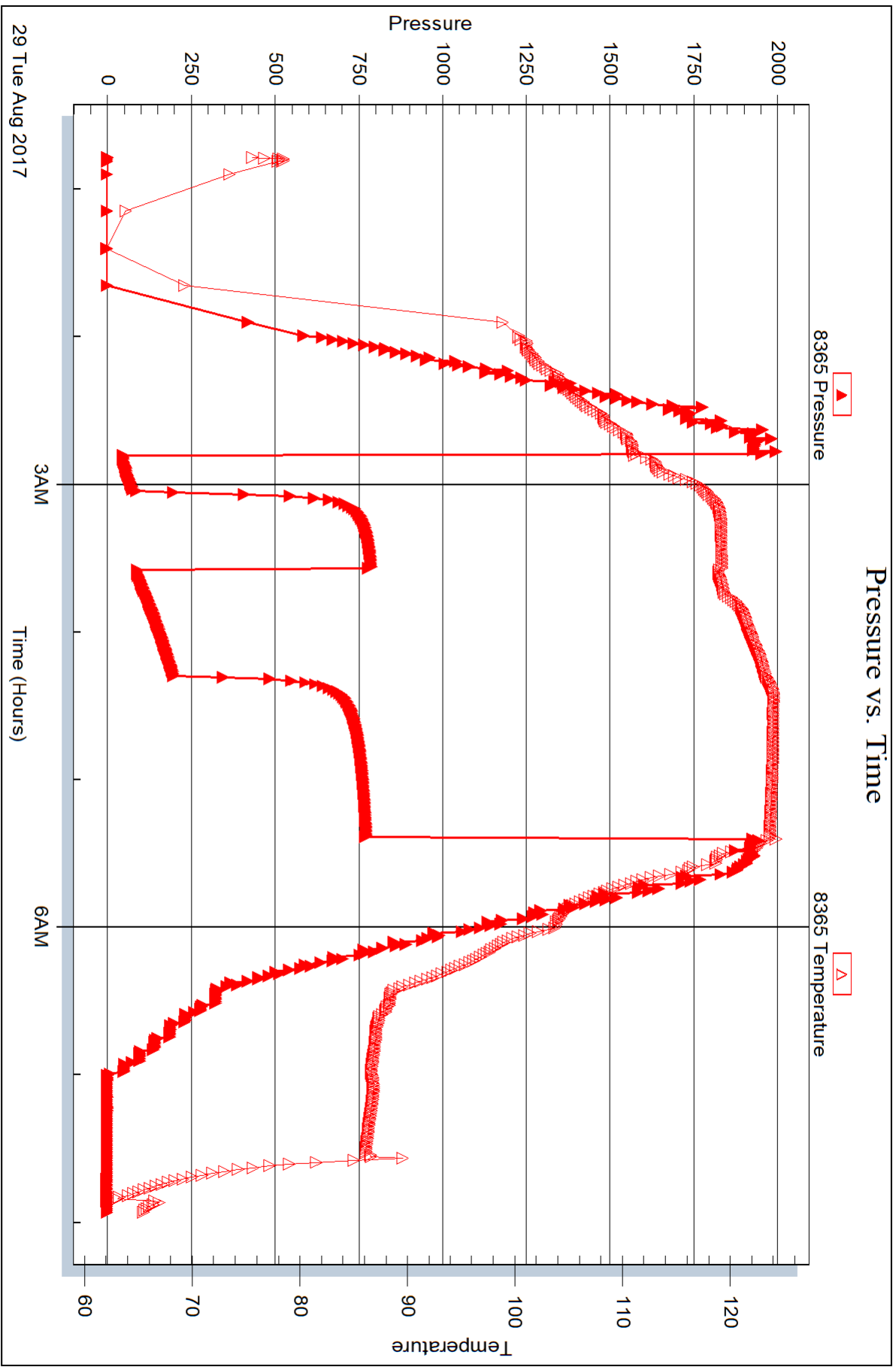
Serial #: 8365

Inside

Carmen Schmitt, Inc

WP Unit #3-7

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

WP Unit #3-7

7-14s-25w Trego, KS

Start Date: 2017.08.29 @ 15:05:00

End Date: 2017.08.29 @ 21:37:30

Job Ticket #: 64216 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.08.31 @ 11:56:46



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

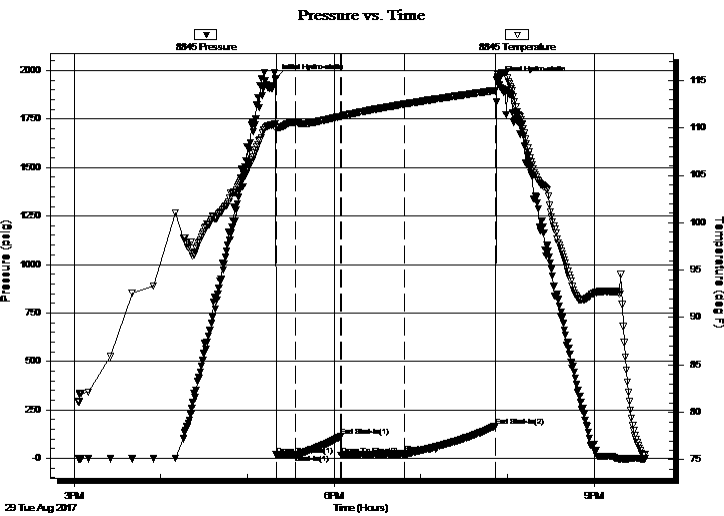
7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64216 **DST#: 4**
 Test Start: 2017.08.29 @ 15:05:00

GENERAL INFORMATION:

Formation: **LKC L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:21:45
 Time Test Ended: 21:37:30
 Interval: **3955.00 ft (KB) To 4008.00 ft (KB) (TVD)**
 Total Depth: 4008.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2434.00 ft (KB)
 2429.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8845 Outside
 Press@RunDepth: 23.94 psig @ 3956.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.08.29 End Date: 2017.08.29 Last Calib.: 2017.08.29
 Start Time: 15:03:05 End Time: 21:35:29 Time On Btm: 2017.08.29 @ 17:19:30
 Time Off Btm: 2017.08.29 @ 19:53:30

TEST COMMENT: IF: 1 1/2" blow
 IS: No return.
 FF: 3 1/2" Blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1958.93	110.50	Initial Hydro-static
1	18.17	109.80	Open To Flow (1)
14	21.03	110.57	Shut-In(1)
45	111.82	111.20	End Shut-In(1)
46	14.53	111.21	Open To Flow (2)
89	23.94	112.50	Shut-In(2)
152	167.20	113.95	End Shut-In(2)
154	1947.77	115.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	gocm 10g 20o 70m	0.12

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc

7-14s-25w Trego, KS

PO Box 47
Great Bend, KS 67530

WP Unit #3-7

Job Ticket: 64216

DST#: 4

ATTN: Brad Rine

Test Start: 2017.08.29 @ 15:05:00

Tool Information

Drill Pipe:	Length: 3930.00 ft	Diameter: 3.80 inches	Volume: 55.13 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose:	63000.00 lb
			<u>Total Volume: 55.27 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3955.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	53.00 ft				
Tool Length:	80.00 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			3929.00	
Shut In Tool	5.00			3934.00	
Hydraulic tool	5.00			3939.00	
Jars	5.00			3944.00	
Safety Joint	2.00			3946.00	
Packer	5.00			3951.00	27.00 Bottom Of Top Packer
Packer	4.00			3955.00	
Stubb	1.00			3956.00	
Recorder	0.00	8365	Inside	3956.00	
Recorder	0.00	8845	Outside	3956.00	
Perforations	16.00			3972.00	
Change Over Sub	1.00			3973.00	
Drill Pipe	31.00			4004.00	
Change Over Sub	1.00			4005.00	
Bullnose	3.00			4008.00	53.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

7-14s-25w Trego, KS
WP Unit #3-7
 Job Ticket: 64216 **DST#: 4**
 Test Start: 2017.08.29 @ 15:05:00

Mud and Cushion Information

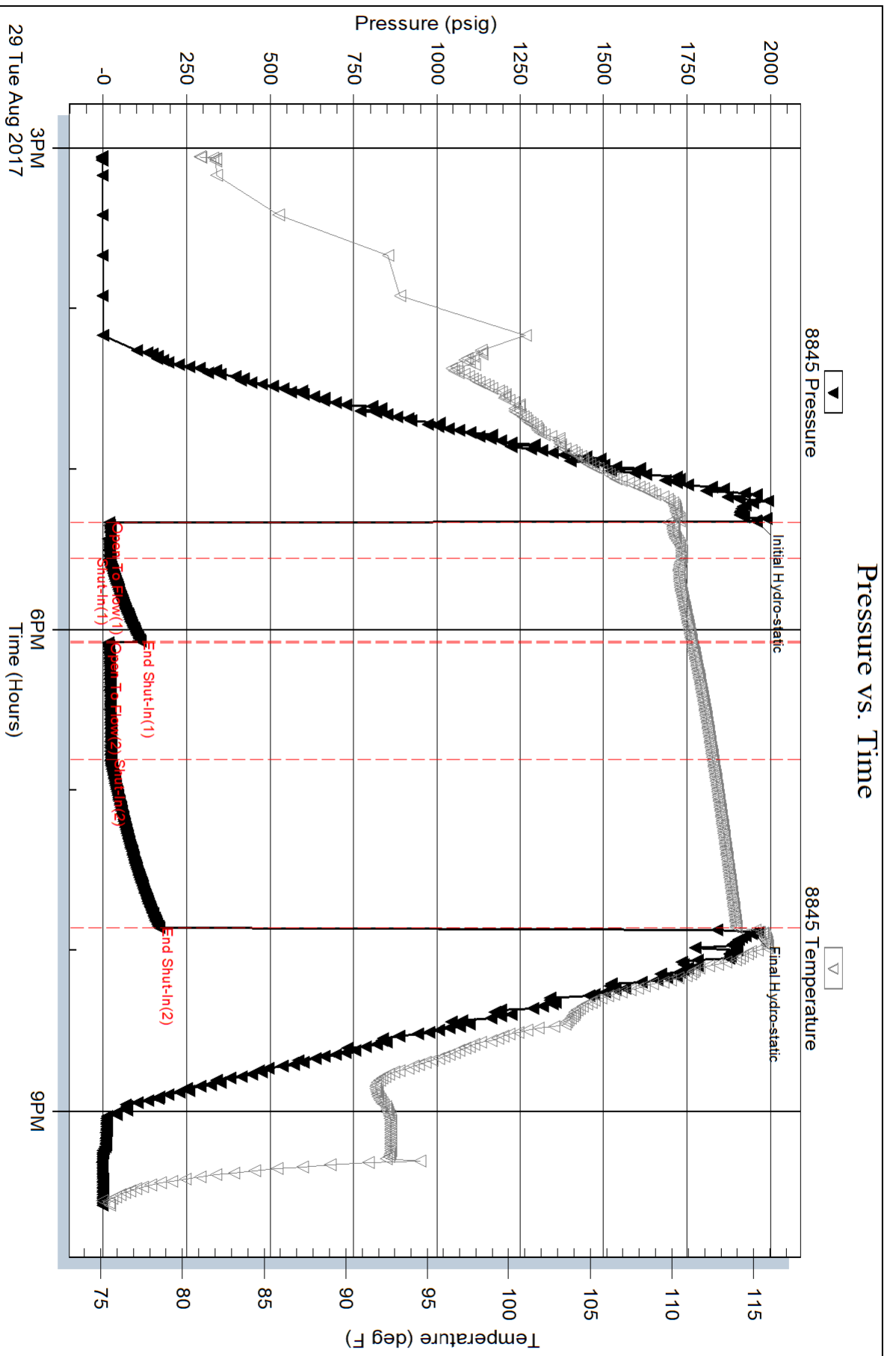
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	gocm 10g 20o 70m	0.123

Total Length: 25.00 ft Total Volume: 0.123 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



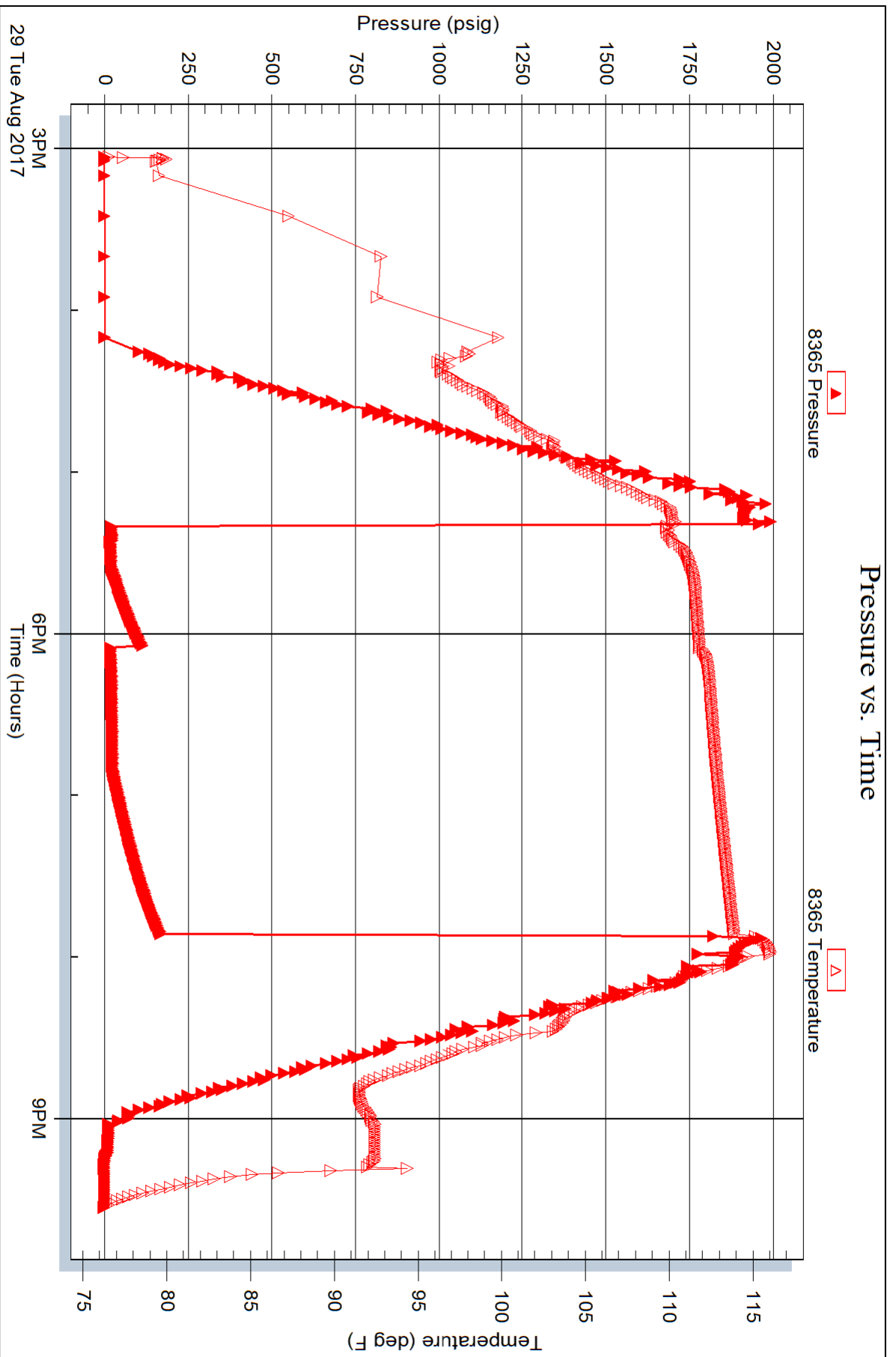
Serial #: 8365

Inside

Carmen Schmitt, Inc

WP Unit #3-7

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64213**

Well Name & No. WP Unit #3-7 Test No. 1 Date 8/28/2017
 Company Carmen Schmitt, Inc Elevation 2434 KB 2429 GL
 Address PO Box 47 Great Bend, ks 67530
 Co. Rep / Geo. Brad Rine Rig Martin 14
 Location: Sec. 7 Twp. 14S Rge. 25W Co. Trego State Ks

Interval Tested 3841 - 3901 Zone Tested LKC H-I
 Anchor Length 60' Drill Pipe Run 3805 Mud Wt. 9.3
 Top Packer Depth 3836 Drill Collars Run 29 Vis 52
 Bottom Packer Depth 3841 Wt. Pipe Run 8 WL 6.8
 Total Depth 3901 Chlorides 2600 ppm System LCM 2 #

Blow Description IF 1 1/2" blow
ISI No return
FF 8 1/2" blow
FBI No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>05L</u>	<u>100</u>			
<u>30</u>	<u>6MCO</u>	<u>8</u>	<u>50</u>		<u>40</u>
	<u>70' BIP</u>				

Rec Total 50 BHT 118 Gravity 33 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1895 Test 1050 T-On Location 1900
 (B) First Initial Flow 25 Jars 250 T-Started 2037
 (C) First Final Flow 28 Safety Joint 75 T-Open 2309
 (D) Initial Shut-In 1259 Circ Sub 4c T-Pulled 0141
 (E) Second Initial Flow 26 Hourly Standby _____ T-Out 0338
 (F) Second Final Flow 39 Mileage 140 RT 105 Comments _____
 (G) Final Shut-In 1276 Sampler _____
 (H) Final Hydrostatic 1873 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 15 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 45 Extra Copies _____
 Final Shut-In 60 Sub Total 0
 Sub Total 1480.00 Total 1480.00
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64214**

Well Name & No. WP Unit #3-7 Test No. 2 Date 8/28/2017
 Company Carmen Schmitt, Inc Elevation 2434 KB 2429 GL
 Address PO Box 47 Great Bend, Ks 67530
 Co. Rep / Geo. Brad Rine Rig Muster 16
 Location: Sec. 7 Twp. 14s Rge. 25 w Co. Trego State Ks

Interval Tested 3903-3930 Zone Tested LKC J
 Anchor Length 27' Drill Pipe Run 3568 Mud Wt. 9.2
 Top Packer Depth 3897 Drill Collars Run 29 Vis 59
 Bottom Packer Depth 3903 Wt. Pipe Run 0 WL 6.4
 Total Depth 3930 Chlorides 2700 ppm System LCM 1st


Blow Description IF BOB@ 2 1/2 min.
TSI 2nd return.
FF BOB@ 2 min.
ESI BOB return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>400</u>	<u>60</u>	<u>35</u>	<u>65</u>		
<u>80</u>	<u>60CM</u>	<u>40</u>	<u>20</u>		<u>40</u>
	<u>1700' GIP</u>				

Rec Total 480 BHT 126 Gravity 36 API RW —@ —° F Chlorides — ppm

(A) Initial Hydrostatic	<u>1928</u>	<input checked="" type="checkbox"/> Test	<u>1050</u>	T-On Location	<u>1015</u>
(B) First Initial Flow	<u>40</u>	<input type="checkbox"/> Jars		T-Started	<u>1037</u>
(C) First Final Flow	<u>71</u>	<input type="checkbox"/> Safety Joint		T-Open	<u>1231</u>
(D) Initial Shut-In	<u>1282</u>	<input checked="" type="checkbox"/> Circ Sub <u>NA</u>		T-Pulled	<u>1501</u>
(E) Second Initial Flow	<u>87</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>1722</u>
(F) Second Final Flow	<u>188</u>	<input checked="" type="checkbox"/> Mileage <u>140.2</u> <u>105</u>		Comments	
(G) Final Shut-In	<u>1256</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1928</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	
Initial Open	<u>15</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>		<input type="checkbox"/> Ruined Packer	
Initial Shut-In	<u>30</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
Final Flow	<u>45</u>	<input type="checkbox"/> Extra Recorder		Sub Total	<u>0</u>
Final Shut-In	<u>60</u>	<input type="checkbox"/> Day Standby		Total	<u>1405.00</u>
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>1405.00</u>		

Approved By _____

Our Representative 

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64215**

Well Name & No. WP Unit #3-7 Test No. 3 Date 8/29/2017
 Company Carmen Schmitt, Inc Elevation 2434 KB 2429 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Brad Rine Rig Murfin 16
 Location: Sec. 7 Twp. 14S Rge. 25 W Co. Trego State Ks

Interval Tested 3931-3962 Zone Tested 2KC K
 Anchor Length 31' Drill Pipe Run 3899 Mud Wt. 92
 Top Packer Depth 3926 Drill Collars Run 29 Vis 56
 Bottom Packer Depth 3931 Wt. Pipe Run Ø WL 6.4
 Total Depth 3962 Chlorides 2700 ppm System LCM 1#
 Blow Description IF BOB @ 2 min.
ISI Surface return.
FF BOB @ 2 min
FSI BOB return.

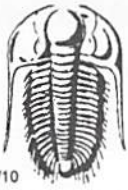
Rec	Feet of	%gas	%oil	%water	%mud
<u>350</u>	<u>G Oil</u>	<u>40</u>	<u>60</u>		
<u>100</u>	<u>G mco</u>	<u>40</u>	<u>45</u>		<u>15</u>
<u>60</u>	<u>GOCM</u>	<u>30</u>	<u>20</u>		<u>50</u>
	<u>1130 GJP</u>				

Rec Total 510 BHT 124 Gravity 38 API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic 1949 Test 1050 T-On Location 0015
 (B) First Initial Flow 45 Jars _____ T-Started 0047
 (C) First Final Flow 75 Safety Joint _____ T-Open 0243
 (D) Initial Shut-In 785 Circ Sub NC T-Pulled 0513
 (E) Second Initial Flow 91 Hourly Standby _____ T-Out 0756
 (F) Second Final Flow 197 Mileage 140 R+ 105 Comments _____
 (G) Final Shut-In 772 Sampler _____
 (H) Final Hydrostatic 1948 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1405.00
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1405

Approved By _____ Our Representative

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64216**

Well Name & No. WP Unit #3-7 Test No. 4 Date 8/29/2017
 Company Carmen Schmitt, Inc Elevation 2434 KB 2429 GL
 Address PO Box 47 Great Bend, Ks 67530
 Co. Rep / Geo. Brad Rine Rig Martin #16
 Location: Sec. 7 Twp. 14s Rge. 25w Co. Trego State Ks

Interval Tested 3955 - 4008 Zone Tested LKC L
 Anchor Length 53 Drill Pipe Run 3930 Mud Wt. 9.1
 Top Packer Depth 3950 Drill Collars Run 29 Vis 56
 Bottom Packer Depth 3955 Wt. Pipe Run 0 WL 6.4
 Total Depth ~~4000~~ 4008 Chlorides 2700 ppm System LCM 2nd
 Blow Description IF 1 1/2" blow
ISF! No return.
FF 1 3/2" blow
FSI! No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>00 cm</u>	<u>10</u>	<u>20</u>	<u>70</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 25 BHT 114 Gravity API RW @ °F Chlorides ppm
 (A) Initial Hydrostatic 1959 Test 1150 T-On Location 1430
 (B) First Initial Flow 18 Jars _____ T-Started 1503
 (C) First Final Flow 21 Safety Joint _____ T-Open 1720
 (D) Initial Shut-In 112 Circ Sub 4K T-Pulled 1950
 (E) Second Initial Flow 15 Hourly Standby _____ T-Out 2133
 (F) Second Final Flow 24 Mileage 140 2r x2 105+105 Comments P/O Tool
 (G) Final Shut-In 167 Sampler _____ 8/30 2100
 (H) Final Hydrostatic 1948 Straddle _____
 Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1610.00
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1610

Approved By _____ Our Representative [Signature]

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