



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530+0047

ATTN: Brad Rine

Betty #2

13-14S-26W Gove,KS

Start Date: 2019.03.11 @ 16:45:00

End Date: 2019.03.11 @ 22:00:15

Job Ticket #: 64775 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.03.14 @ 14:57:02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carmen Schmitt Inc
 PO Box 47
 Great Bend KS 67530+0047
 ATTN: Brad Rine

13-14S-26W Gove,KS
Betty #2
 Job Ticket: 64775 **DST#: 1**
 Test Start: 2019.03.11 @ 16:45:00

GENERAL INFORMATION:

Formation: **LKC 'J'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:12:15
 Time Test Ended: 22:00:15
 Interval: **3927.00 ft (KB) To 3952.00 ft (KB) (TVD)**
 Total Depth: 3952.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Spencer J. Staab
 Unit No: 84
 Reference Elevations: 2447.00 ft (KB)
 2442.00 ft (CF)
 KB to GR/CF: 5.00 ft

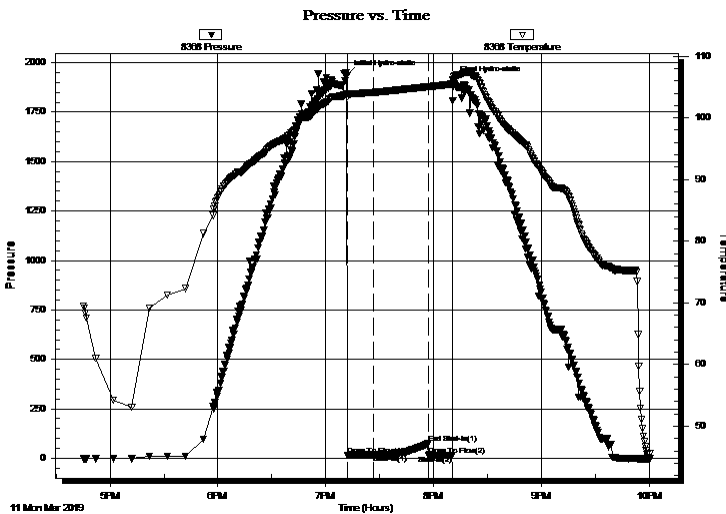
Serial #: 8368

Inside

Press@RunDepth: 19.72 psig @ 3928.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.03.11 End Date: 2019.03.11 Last Calib.: 2019.03.11
 Start Time: 16:45:15 End Time: 22:00:15 Time On Btm: 2019.03.11 @ 19:12:00
 Time Off Btm: 2019.03.11 @ 20:11:00

TEST COMMENT: 15-IF-Weak; Built to 1/2"
 30-ISI-No Return
 15-FF-No Blow; Pulled Tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1937.61	104.00	Initial Hydro-static
1	15.65	103.46	Open To Flow (1)
15	19.72	104.12	Shut-In(1)
45	73.42	105.05	End Shut-In(1)
46	16.02	105.04	Open To Flow (2)
59	16.11	105.46	Shut-In(2)
59	1909.99	106.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100%M	0.01

Gas Rates

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



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PO Box 47
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ATTN: Brad Rine

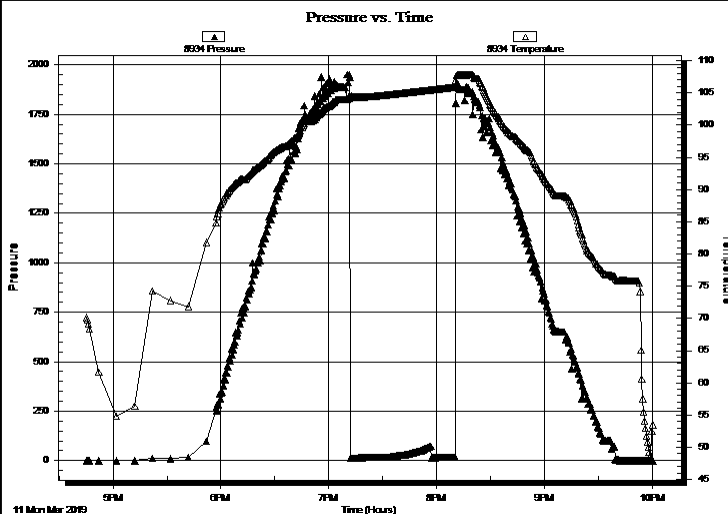
13-14S-26W Gove,KS
Betty #2
Job Ticket: 64775 **DST#: 1**
Test Start: 2019.03.11 @ 16:45:00

GENERAL INFORMATION:

Formation: LKC 'J'			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Initial)	
Time Tool Opened: 19:12:15		Tester: Spencer J. Staab	
Time Test Ended: 22:00:15		Unit No: 84	
Interval: 3927.00 ft (KB) To 3952.00 ft (KB) (TVD)		Reference Elevations: 2447.00 ft (KB)	
Total Depth: 3952.00 ft (KB) (TVD)		2442.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 5.00 ft	

Serial #: 8934	Outside				
Press@RunDepth: psig @	3928.00 ft (KB)	Capacity:	8000.00 psig		
Start Date: 2019.03.11	End Date: 2019.03.11	Last Calib.:	2019.03.11		
Start Time: 16:45:15	End Time: 22:00:15	Time On Btm:			
		Time Off Btm:			

TEST COMMENT: 15-IF-Weak; Built to 1/2"
30-ISI-No Return
15-FF-No Blow; Pulled Tool



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
2.00	Mud 100%M	0.01

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc
 PO Box 47
 Great Bend KS 67530+0047
 ATTN: Brad Rine

13-14S-26W Gove,KS
Betty #2
 Job Ticket: 64775 **DST#: 1**
 Test Start: 2019.03.11 @ 16:45:00

Tool Information

Drill Pipe:	Length: 3787.00 ft	Diameter: 3.82 inches	Volume: 53.68 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 128.00 ft	Diameter: 2.25 inches	Volume: 0.63 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume:</u>	Tool Chased	ft
				String Weight: Initial	44000.00 lb
Drill Pipe Above KB:	17.00 ft			Final	44000.00 lb
Depth to Top Packer:	3927.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	54.00 ft				
Number of Packers:	1	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3899.00	
Shut In Tool	5.00			3904.00	
Hydraulic tool	5.00			3909.00	
Jars	5.00			3914.00	
Safety Joint	3.00			3917.00	
Packer	5.00			3922.00	29.00 Bottom Of Top Packer
Packer	5.00			3927.00	
Stubb	1.00			3928.00	
Recorder	0.00	8368	Inside	3928.00	
Recorder	0.00	8934	Outside	3928.00	
Perforations	21.00			3949.00	
Bullnose	3.00			3952.00	25.00 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+0047
ATTN: Brad Rine

13-14S-26W Gove,KS
Betty #2
Job Ticket: 64775 **DST#: 1**
Test Start: 2019.03.11 @ 16:45:00

Mud and Cushion Information

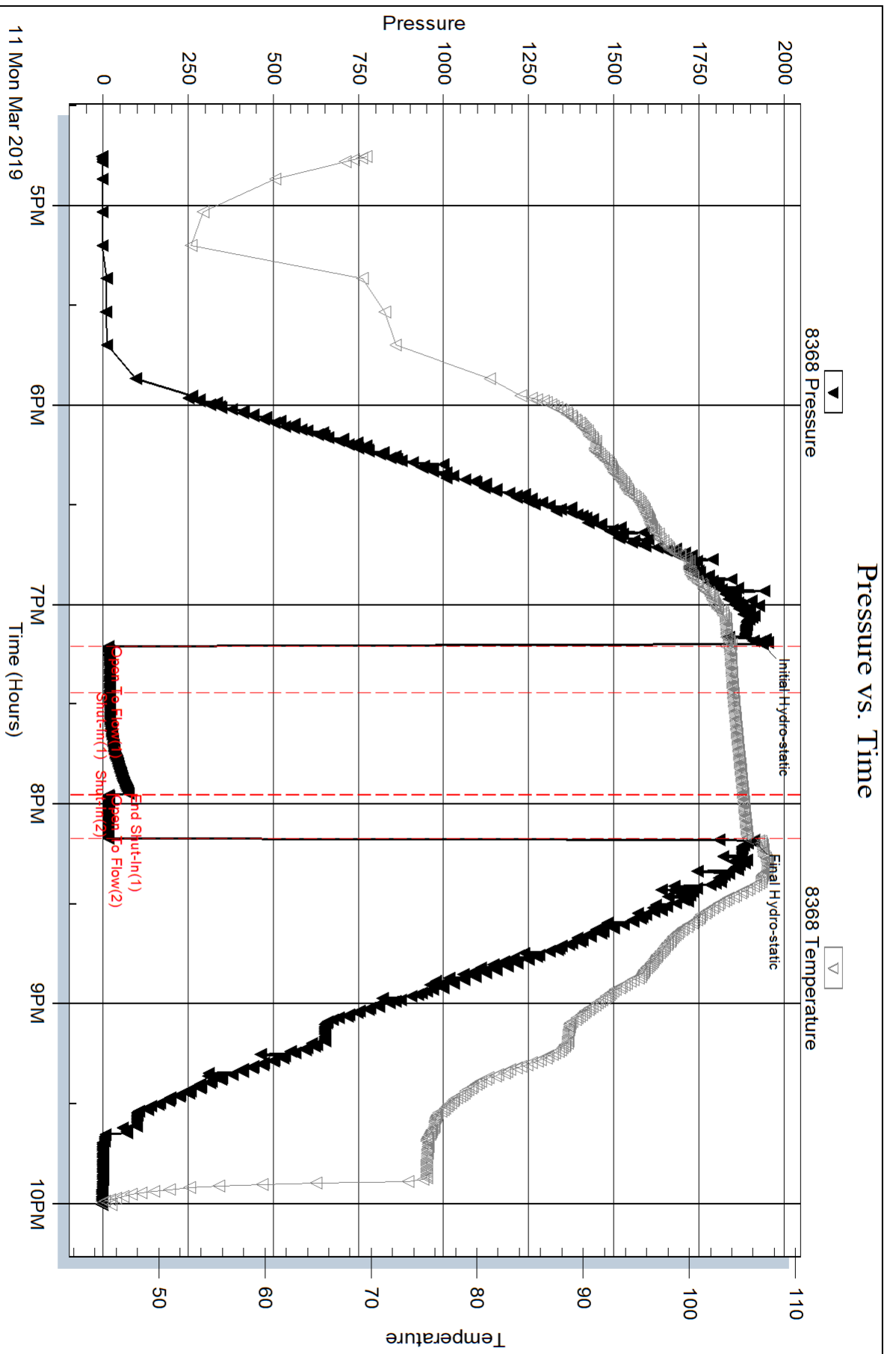
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: inches			

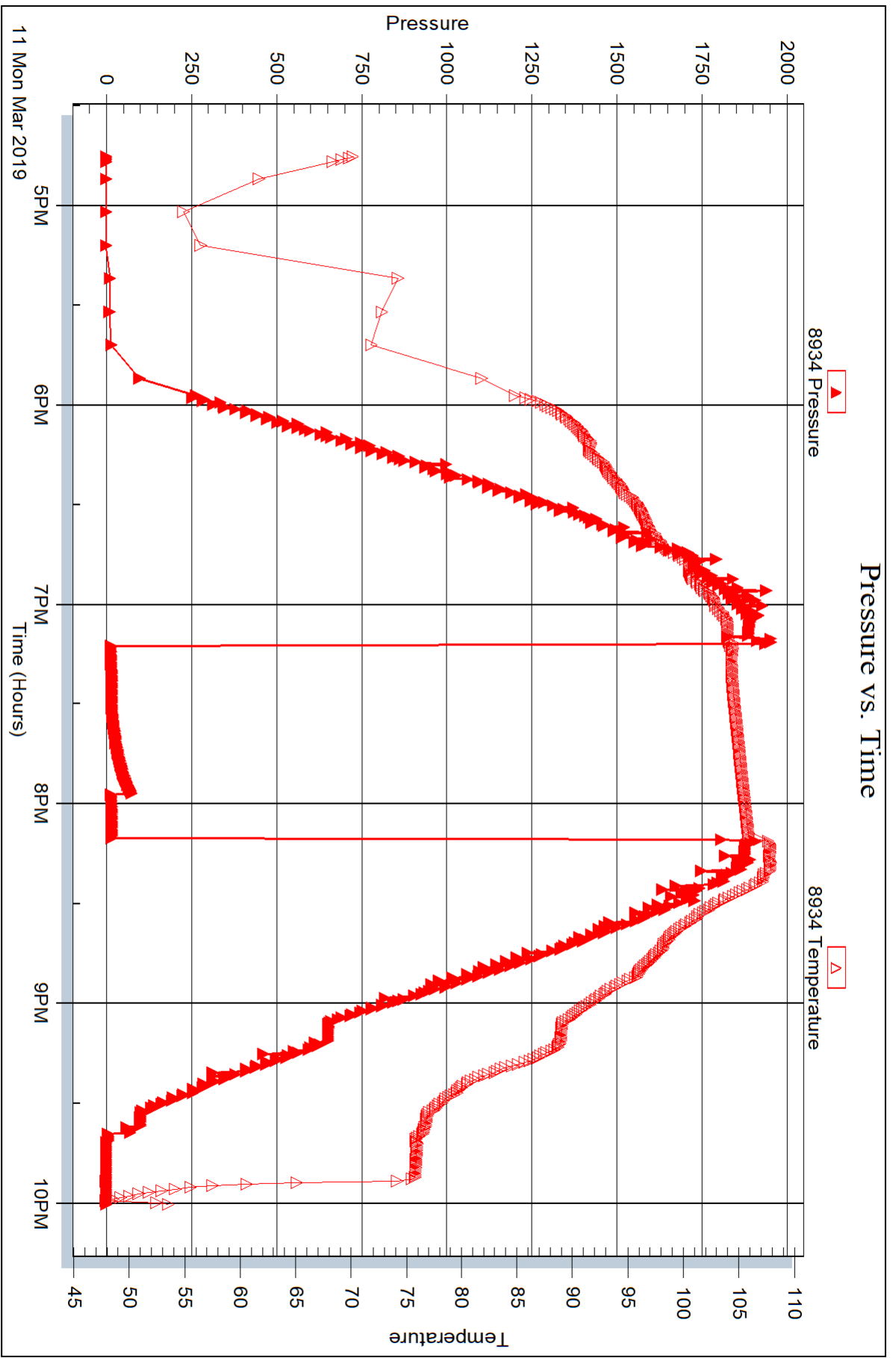
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud 100%M	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 2#LCM







DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530+0047

ATTN: Brad Rine

Betty #2

13-14S-26W Gove,KS

Start Date: 2019.03.12 @ 04:49:00

End Date: 2019.03.12 @ 12:41:30

Job Ticket #: 65101 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.03.14 @ 14:56:37



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
 PO Box 47
 Great Bend KS 67530+0047
 ATTN: Brad Rine

13-14S-26W Gove,KS
Betty #2
 Job Ticket: 65101 **DST#: 2**
 Test Start: 2019.03.12 @ 04:49:00

GENERAL INFORMATION:

Formation: **LKC 'K'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:46:45
 Time Test Ended: 12:41:30
 Interval: **3948.00 ft (KB) To 3980.00 ft (KB) (TVD)**
 Total Depth: 3980.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J. Staab
 Unit No: 84
 Reference Elevations: 2447.00 ft (KB)
 2442.00 ft (CF)
 KB to GR/CF: 5.00 ft

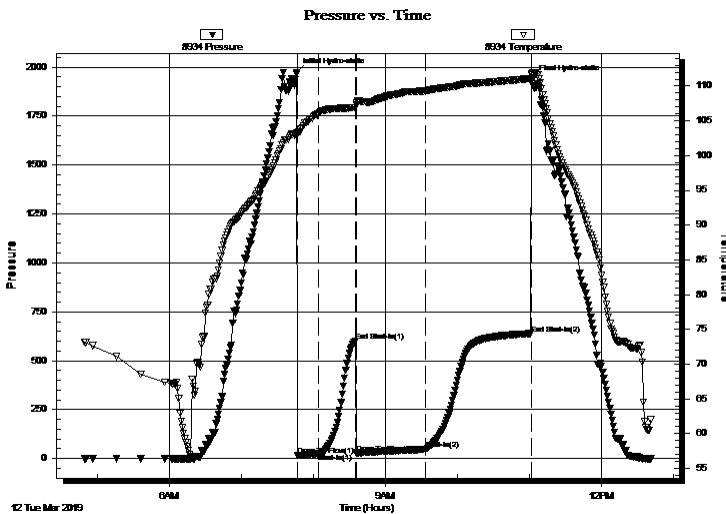
Serial #: 8934

Outside

Press@RunDepth: 47.57 psig @ 3949.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.03.12 End Date: 2019.03.12 Last Calib.: 2019.03.12
 Start Time: 04:49:15 End Time: 12:41:30 Time On Btm: 2019.03.12 @ 07:45:30
 Time Off Btm: 2019.03.12 @ 11:02:00

TEST COMMENT: 15-IF-Weak; Built to 3/4"
 30-ISI-No Return
 60-FF-Fair; Built to 5 1/2"
 90-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1971.65	103.08	Initial Hydro-static
2	15.93	103.30	Open To Flow (1)
19	25.05	105.97	Shut-In(1)
50	602.05	106.86	End Shut-In(1)
51	25.87	107.62	Open To Flow (2)
108	47.57	109.30	Shut-In(2)
196	638.77	111.07	End Shut-In(2)
197	1936.86	111.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	GOCM 10%G 15%O 75%M	0.32

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530+0047

ATTN: Brad Rine

13-14S-26W Gove,KS

Betty #2
Job Ticket: 65101 **DST#: 2**
Test Start: 2019.03.12 @ 04:49:00

GENERAL INFORMATION:

Formation: **LKC 'K'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:46:45
Time Test Ended: 12:41:30

Interval: **3948.00 ft (KB) To 3980.00 ft (KB) (TVD)**
Total Depth: 3980.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J. Staab
Unit No: 84

Reference Elevations: 2447.00 ft (KB)
2442.00 ft (CF)
KB to GR/CF: 5.00 ft

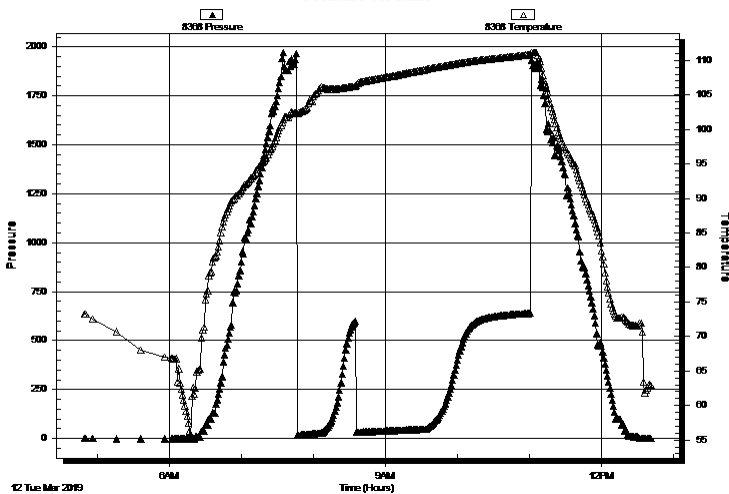
Serial #: 8368

Inside

Press@RunDepth:	psig @	3949.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2019.03.12	End Date:	2019.03.12	Last Calib.:	2019.03.12
Start Time:	04:49:15	End Time:	12:41:30	Time On Btm:	
			Time Off Btm:		

TEST COMMENT: 15-IF-Weak; Built to 3/4"
30-ISI-No Return
60-FF-Fair; Built to 5 1/2"
90-FSI-No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
65.00	GOCM 10%G 15%O 75%M	0.32

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530+0047
ATTN: Brad Rine

13-14S-26W Gove,KS
Betty #2
Job Ticket: 65101 **DST#: 2**
Test Start: 2019.03.12 @ 04:49:00

Tool Information

Drill Pipe:	Length: 3760.00 ft	Diameter: 3.82 inches	Volume: 53.30 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	48000.00 lb
			<u>Total Volume:</u>	Tool Chased	ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3948.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	61.00 ft				
Number of Packers:	1	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			3920.00	
Shut In Tool	5.00			3925.00	
Hydraulic tool	5.00			3930.00	
Jars	5.00			3935.00	
Safety Joint	3.00			3938.00	
Packer	5.00			3943.00	29.00 Bottom Of Top Packer
Packer	5.00			3948.00	
Stubb	1.00			3949.00	
Recorder	0.00	8368	Inside	3949.00	
Recorder	0.00	8934	Outside	3949.00	
Perforations	28.00			3977.00	
Bullnose	3.00			3980.00	32.00 Bottom Packers & Anchor

Total Tool Length: 61.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
 PO Box 47
 Great Bend KS 67530+0047
 ATTN: Brad Rine

13-14S-26W Gove,KS
Betty #2
 Job Ticket: 65101 **DST#: 2**
 Test Start: 2019.03.12 @ 04:49:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6200.00 ppm			
Filter Cake: inches			

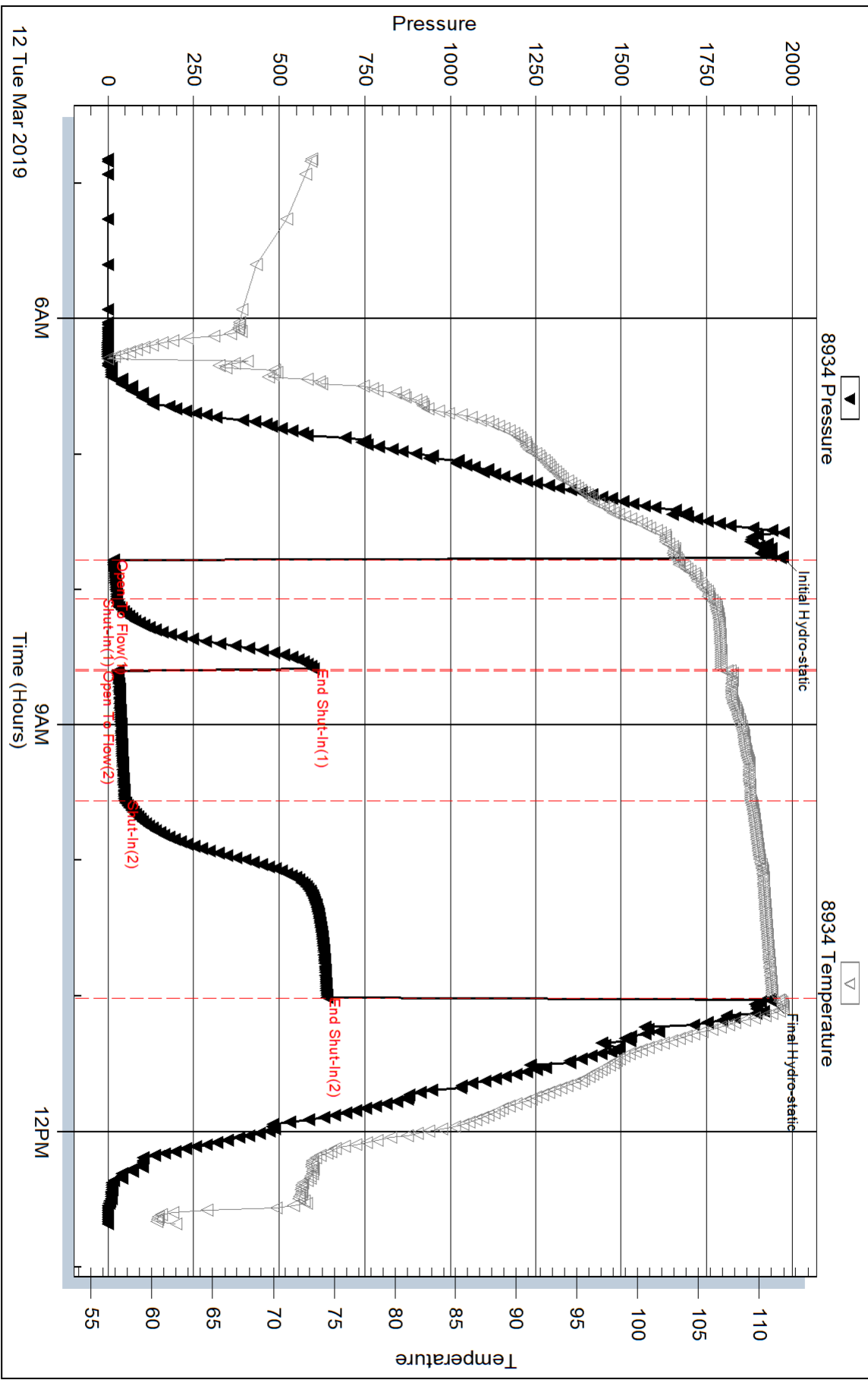
Recovery Information

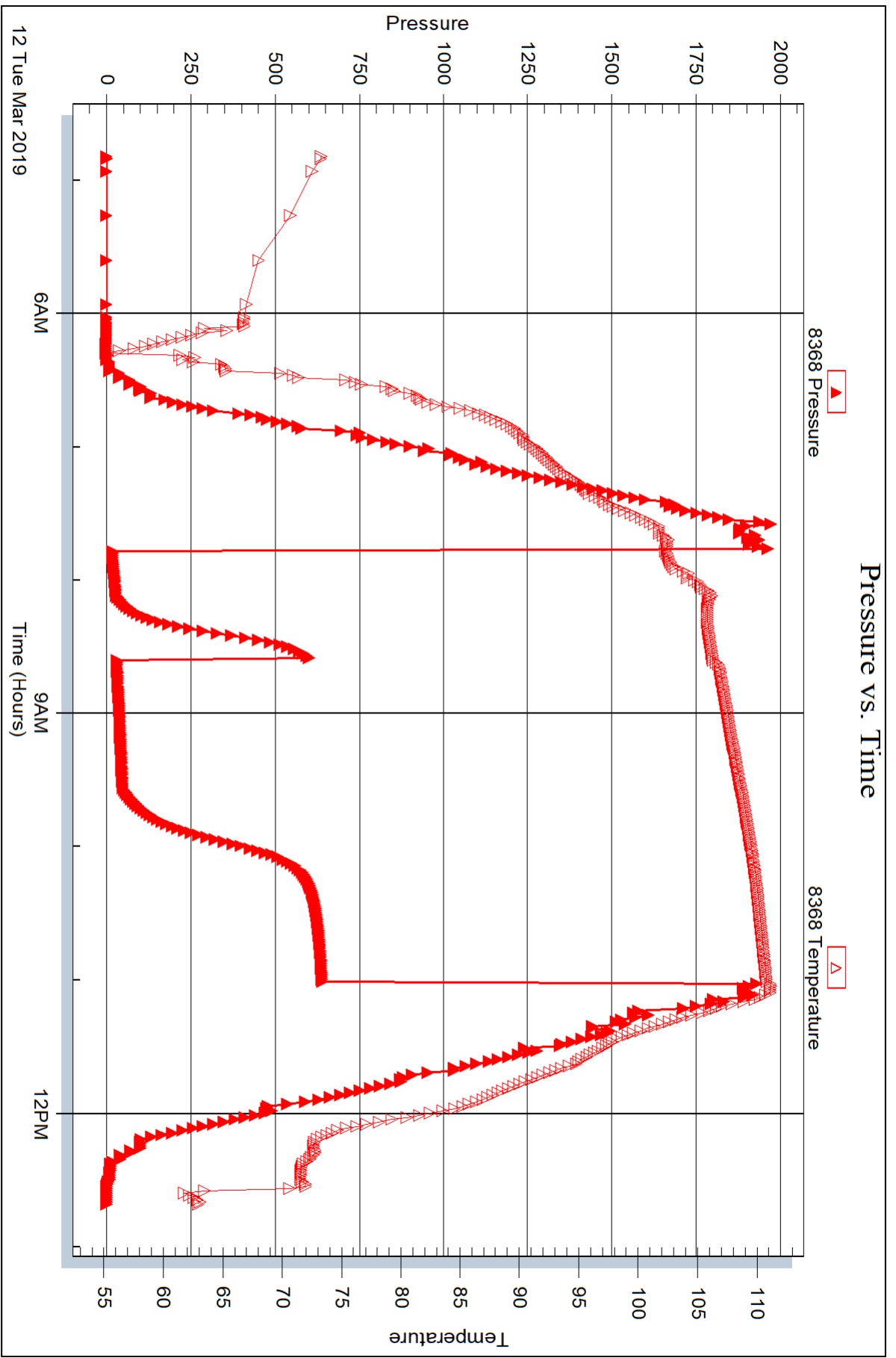
Recovery Table

Length ft	Description	Volume bbl
65.00	GOCM 10%G 15%O 75%M	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 1#LCM

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530+0047

ATTN: Brad Rine

Betty #2

13-14S-26W Gove,KS

Start Date: 2019.03.12 @ 20:27:00

End Date: 2019.03.13 @ 03:54:00

Job Ticket #: 65102 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.03.14 @ 14:56:05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
 PO Box 47
 Great Bend KS 67530+0047
 ATTN: Brad Rine

13-14S-26W Gove,KS
Betty #2
 Job Ticket: 65102 **DST#: 3**
 Test Start: 2019.03.12 @ 20:27:00

GENERAL INFORMATION:

Formation: **LKC 'L'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:46:45
 Time Test Ended: 03:54:00
 Interval: **3987.00 ft (KB) To 4010.00 ft (KB) (TVD)**
 Total Depth: 4010.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J. Staab
 Unit No: 84
 Reference Elevations: 2447.00 ft (KB)
 2442.00 ft (CF)
 KB to GR/CF: 5.00 ft

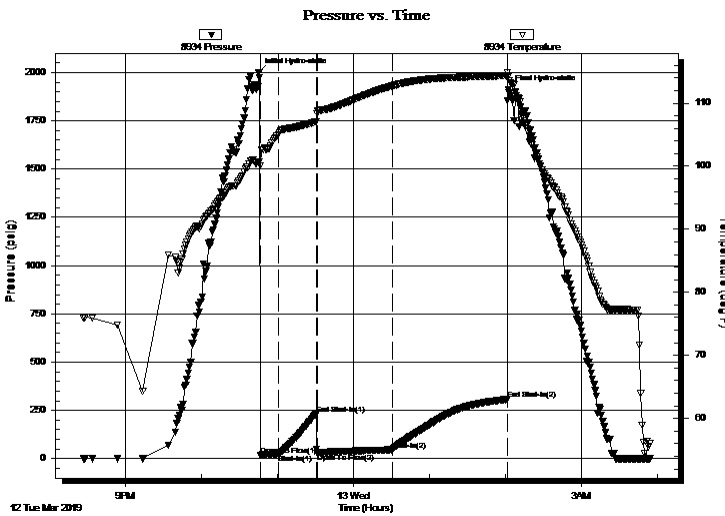
Serial #: 8934

Outside

Press@RunDepth: 45.79 psig @ 3988.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.03.12 End Date: 2019.03.13 Last Calib.: 2019.03.13
 Start Time: 20:27:15 End Time: 03:54:00 Time On Btm: 2019.03.12 @ 22:45:30
 Time Off Btm: 2019.03.13 @ 02:02:15

TEST COMMENT: 15-IF-Weak; Built to 4"
 30-ISI-No Return
 60-FF-BOB 35 mins; Built to 13"
 90-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2000.76	100.63	Initial Hydro-static
2	16.44	100.07	Open To Flow (1)
16	24.06	105.00	Shut-In(1)
45	229.75	107.05	End Shut-In(1)
46	27.29	108.31	Open To Flow (2)
105	45.79	112.70	Shut-In(2)
196	306.48	114.38	End Shut-In(2)
197	1912.77	114.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GHMCO 20%G 40%M 40%O	0.30
20.00	GO 15%G 85%O	0.10

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530+0047
ATTN: Brad Rine

13-14S-26W Gove, KS
Betty #2
Job Ticket: 65102 **DST#: 3**
Test Start: 2019.03.12 @ 20:27:00

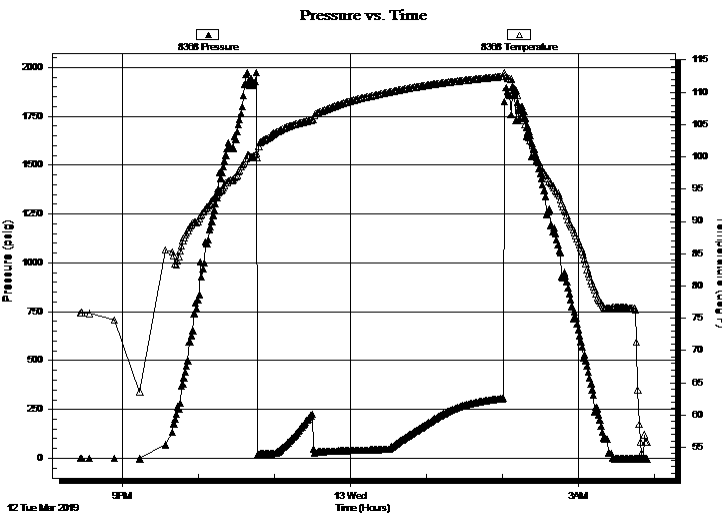
GENERAL INFORMATION:

Formation: **LKC 'L'**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 22:46:45 Tester: Spencer J. Staab
Time Test Ended: 03:54:00 Unit No: 84

Interval: 3987.00 ft (KB) To 4010.00 ft (KB) (TVD) Reference Elevations: 2447.00 ft (KB)
Total Depth: 4010.00 ft (KB) (TVD) 2442.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8368 **Inside**
Press@RunDepth: psig @ 3988.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.03.12 End Date: 2019.03.13 Last Calib.: 2019.03.13
Start Time: 20:27:15 End Time: 03:54:00 Time On Btm:
Time Off Btm:

TEST COMMENT: 15-IF-Weak; Built to 4"
30-ISI-No Return
60-FF-BOB 35 mins; Built to 13"
90-FSI-No Return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	GHMCO 20%G 40%M 40%O	0.30
20.00	GO 15%G 85%O	0.10

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc
 PO Box 47
 Great Bend KS 67530+0047
 ATTN: Brad Rine

13-14S-26W Gove,KS
Betty #2
 Job Ticket: 65102 **DST#: 3**
 Test Start: 2019.03.12 @ 20:27:00

Tool Information

Drill Pipe:	Length: 3792.00 ft	Diameter: 3.82 inches	Volume: 53.75 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	45000.00 lb
			<u>Total Volume:</u> - bbl	Tool Chased	ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3987.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	23.00 ft				
Tool Length:	52.00 ft				
Number of Packers:	1	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			3959.00	
Shut In Tool	5.00			3964.00	
Hydraulic tool	5.00			3969.00	
Jars	5.00			3974.00	
Safety Joint	3.00			3977.00	
Packer	5.00			3982.00	29.00 Bottom Of Top Packer
Packer	5.00			3987.00	
Stubb	1.00			3988.00	
Recorder	0.00	8368	Inside	3988.00	
Recorder	0.00	8934	Outside	3988.00	
Perforations	19.00			4007.00	
Bullnose	3.00			4010.00	23.00 Bottom Packers & Anchor

Total Tool Length: 52.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
 PO Box 47
 Great Bend KS 67530+0047
 ATTN: Brad Rine

13-14S-26W Gove,KS
Betty #2
 Job Ticket: 65102 **DST#: 3**
 Test Start: 2019.03.12 @ 20:27:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.19 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6200.00 ppm		
Filter Cake: inches		

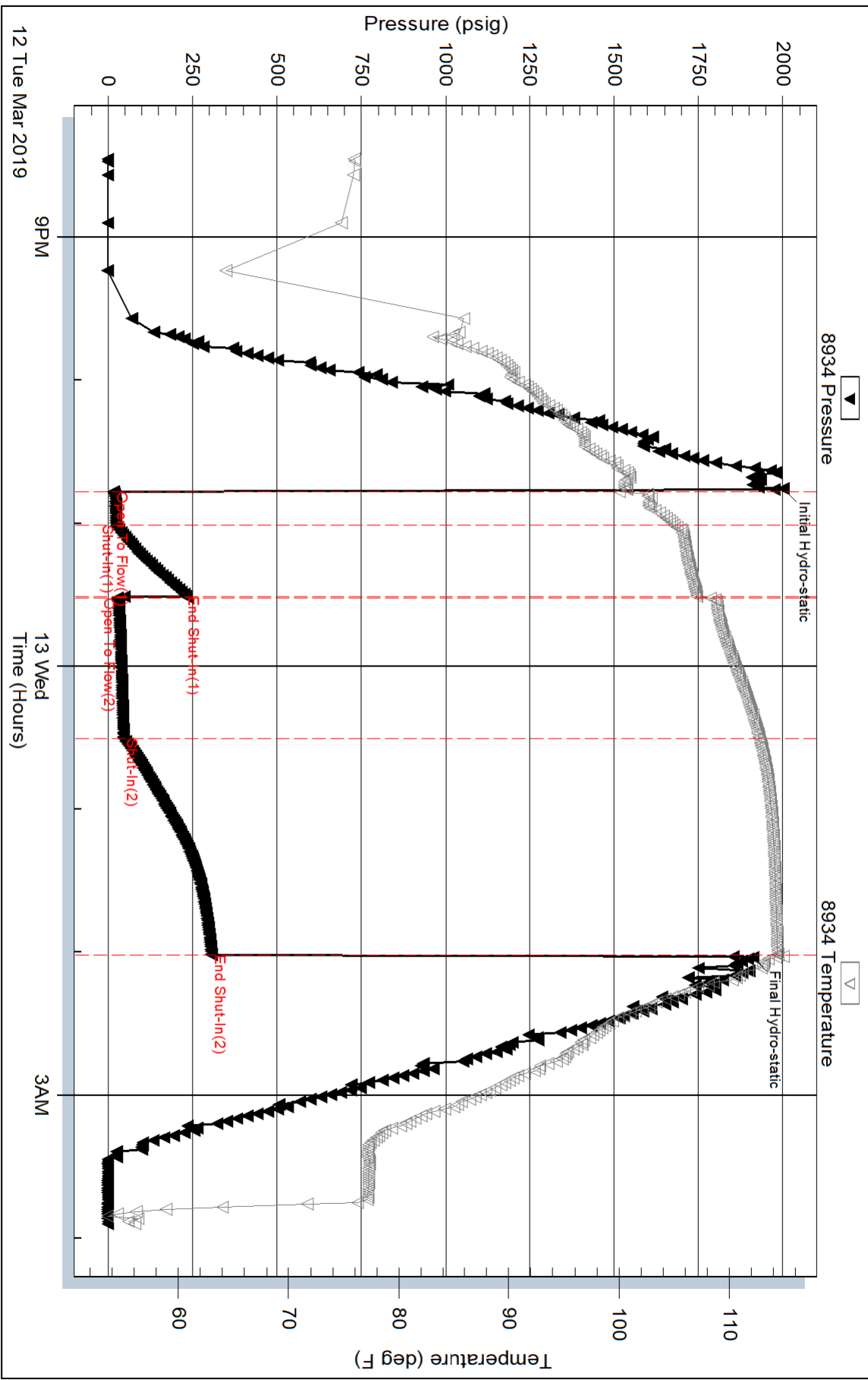
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GHMCO 20%G 40%M 40%O	0.295
20.00	GO 15%G 85%O	0.098

Total Length: 80.00 ft Total Volume: 0.393 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 1#LCM

Pressure vs. Time



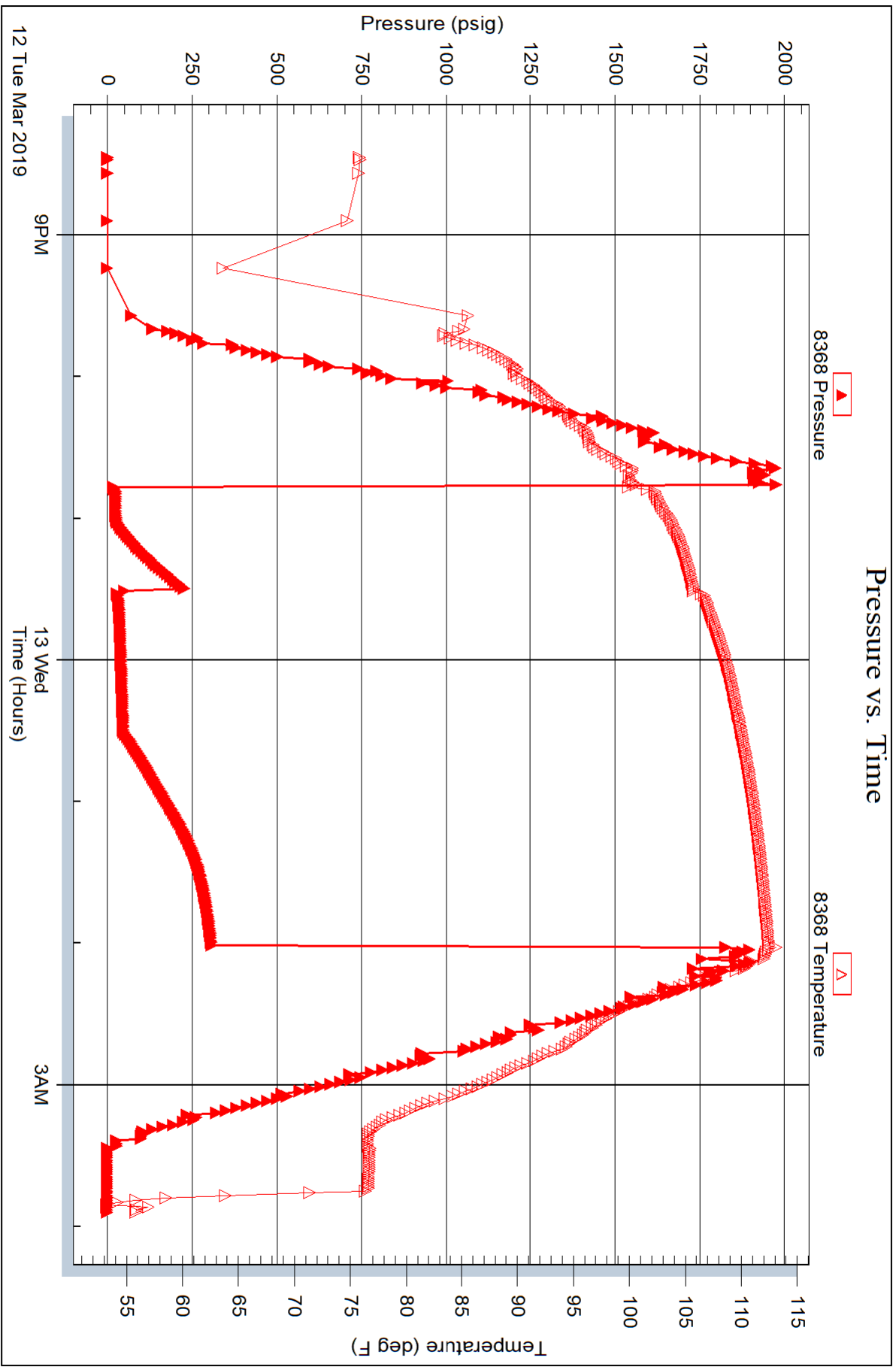
Serial #: 8368

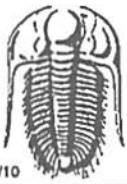
Inside

Carmen Schmitt Inc

Betty #2

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64775

Well Name & No. Betty #2 Test No. 1 Date 03/11/2019
 Company Carmen Schmitt, Inc. Elevation 2447 KB 2442 GL
 Address PO BOX 47 Great Bend Ks 67530 +0047
 Co. Rep / Geo. Brad Kine Rig Murfin #8
 Location: Sec. 13 Twp 14s Rge. 26w Co. _____ State Ks

Interval Tested 3927-3952' Zone Tested LAC 'J'
 Anchor Length 25' Drill Pipe Run 3787' Mud Wt. 9.2
 Top Packer Depth 3922' Drill Collars Run 128' Vls 53
 Bottom Packer Depth 3927' Wt. Pipe Run - WL 6.0
 Total Depth 3952' Chlorides 7000 ppm System LCM 2#

Blow Description J7-Weak; Built to 1/2"
J51- No Return
77- No Blow; Pulled
750- - - -

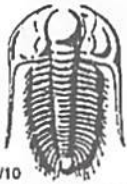
Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Mud</u>				

Rec Total 2 BHT 105° Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1937 Test 1200 T-On Location 15:44
 (B) First Initial Flow 15 Jars 250 T-Started 16:44
 (C) First Final Flow 19 Safety Joint 75 T-Open 19:11
 (D) Initial Shut-In 73 Circ Sub _____ T-Pulled 20:11
 (E) Second Initial Flow 16 Hourly Standby _____ T-Out 22:00
 (F) Second Final Flow 16 Mileage 128 RT 128 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 1909 Straddle _____ EM Tool _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1653
 Sub Total 1653 MP/DST Disc't _____

Approved By _____ Our Representative Spencer J. Steal Thanks!
 Trilobite Testing Inc. shall not be liable for damaged 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.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65101

Well Name & No. Betty #2 Test No. 2 Date 03/12/2019
 Company Carmen Schmitt Inc Elevation 2447 KB 2442 GL
 Address PO BOX 47 Great Bend KS 67530 10047
 Co. Rep / Geo. Brad Rine Rig Murphy #8
 Location: Sec. 13 Twp 14S Rge. 26W Co. Don State KS

Interval Tested 3948' - 3980' Zone Tested LKC 'H'
 Anchor Length 32' Drill Pipe Run 3760' Mud Wt. 9.2
 Top Packer Depth 3943' Drill Collars Run 189" Vis 51
 Bottom Packer Depth 3947' Wt. Pipe Run - WL 6.2
 Total Depth 3980' Chlorides 6200 ppm System LCM #

Blow Description 17-Weak; Built to 3/4"
158- No Return
77- Fair; Built to 5 1/2"
758- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>65'</u>	<u>GOCM</u>	<u>10</u>	<u>15</u>	<u>75</u>	<u>75</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65 BHT 111° Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1971</u>	<input checked="" type="checkbox"/> Test <u>1200</u>	T-On Location <u>04:30</u>
(B) First Initial Flow <u>15</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>04:48</u>
(C) First Final Flow <u>25</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>07:46</u>
(D) Initial Shut-In <u>60</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>11:01</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>12:41</u>
(F) Second Final Flow <u>47</u>	<input checked="" type="checkbox"/> Mileage <u>2827</u> <u>128</u>	Comments
(G) Final Shut-In <u>638</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1936</u>	<input type="checkbox"/> Straddle	

Initial Open 15
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 90

Shale Packer 250
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

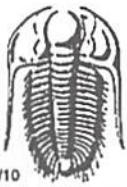
Sub Total 1903

EM Tool
 Ruined Shale Packer
 Ruined Packer
 Extra Copies

Sub Total 0
 Total 1903
 MP/DST Disc't

Approved By _____ Our Representative Spencer J. Strub Thanks!
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785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65102

Well Name & No. Betty #2 Test No. 3 Date 03/12/2019
 Company Carmen Schmitt, Inc Elevation 2447 KB 2442 GL
 Address PO BOX 47 Great Bend KS 67530+0047
 Co. Rep / Geo. Bead Line Rig Murfin #8
 Location: Sec. 13 Twp 14s Rge. 26w Co. Gov State KS

Interval Tested 3987'-4010' Zone Tested LAC 'L'
 Anchor Length 23' Drill Pipe Run 3792' Mud Wt. 9.2
 Top Packer Depth 3982' Drill Collars Run 186' Vis 51
 Bottom Packer Depth 3987' Wt. Pipe Run - WL 6.2
 Total Depth 4010' Chlorides 6200 ppm System LCM 1#

Blow Description 27-Weak; Built to 4"
2SD - No Blow
77-BOB 35min; Built to 13"
7SD - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60'</u>	<u>JAMCO</u>	<u>20</u>	<u>40</u>	<u>40</u>	
<u>20'</u>	<u>JO</u>	<u>15</u>	<u>85</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 80' BHT 114° Gravity 37° API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2000</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>19:50</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>20:27</u>
(C) First Final Flow <u>24</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>22:46</u>
(D) Initial Shut-In <u>229</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>02:01 03/13/2019</u>
(E) Second Initial Flow <u>27</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>03:54</u>
(F) Second Final Flow <u>45</u>	<input checked="" type="checkbox"/> Mileage <u>128 RT</u> 128	Comments <u>loaded 16:40</u>
(G) Final Shut-In <u>306</u>	<input type="checkbox"/> Sampler	<u>03/14/2019</u>
(H) Final Hydrostatic <u>1912</u>	<input type="checkbox"/> Straddle	

Initial Open <u>15</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> EM Tool
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Final Shut-In <u>96</u>	<input checked="" type="checkbox"/> Day Standby <u>37 hrs</u>	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Accessibility	Sub Total <u>0</u>
	Sub Total <u>2003</u>	Total <u>2003</u>

Approved By _____ Our Representative Spencer J. Neal Thanks!

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