



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530-0047

ATTN: Carmen Schmitt , Bra

Temaat #1-11

11-25s-22w Ford,KS

Start Date: 2017.03.15 @ 13:40:06

End Date: 2017.03.15 @ 18:50:00

Job Ticket #: 64128 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.03.17 @ 16:30:20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carmen Schmitt Inc
 PO Box 47
 Great Bend KS 67530-0047
 ATTN: Carmen Schmitt, Bra

11-25s-22w Ford,KS
Temaat #1-11
 Job Ticket: 64128 **DST#: 1**
 Test Start: 2017.03.15 @ 13:40:06

GENERAL INFORMATION:

Formation: **Ft. Scott - Cherokee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:57:01
 Time Test Ended: 18:50:00
 Interval: **4669.00 ft (KB) To 4750.00 ft (KB) (TVD)**
 Total Depth: 4750.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: 2388.00 ft (KB)
 2383.00 ft (CF)
 KB to GR/CF: 5.00 ft

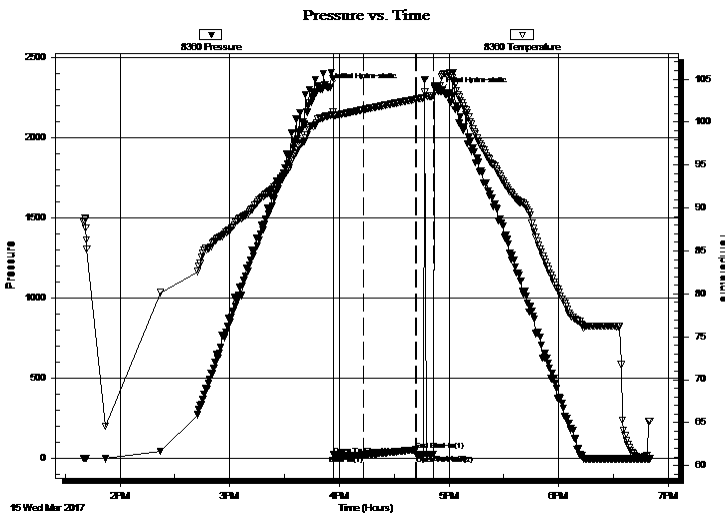
Serial #: 8360

Inside

Press@RunDepth: 22.54 psig @ 4680.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.03.15 End Date: 2017.03.15 Last Calib.: 2017.03.15
 Start Time: 13:40:06 End Time: 18:50:00 Time On Btm: 2017.03.15 @ 15:54:16
 Time Off Btm: 2017.03.15 @ 16:54:31

TEST COMMENT: 15-IFP-w k surface bl thru-out
 30-ISIP-no bl
 15-FFP-no bl , flushed tool , pull tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2316.17	100.74	Initial Hydro-static
3	22.92	100.75	Open To Flow (1)
19	22.54	101.45	Shut-In(1)
48	54.71	102.65	End Shut-In(1)
48	23.16	102.66	Open To Flow (2)
57	28.32	103.06	Shut-In(2)
61	2287.62	104.26	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

11-25s-22w Ford,KS

PO Box 47
Great Bend KS 67530-0047

Temaat #1-11

Job Ticket: 64128

DST#: 1

ATTN: Carmen Schmitt , Bra

Test Start: 2017.03.15 @ 13:40:06

Tool Information

Drill Pipe:	Length: 4310.00 ft	Diameter: 3.80 inches	Volume: 60.46 bbl	Tool Weight: 2200.00 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: 360.00 ft	Diameter: 2.25 inches	Volume: 1.77 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 62.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4669.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	81.00 ft			
Tool Length:	105.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4646.00	
Shut In Tool	5.00			4651.00	
Hydraulic tool	5.00			4656.00	
Safety Joint	3.00			4659.00	
Packer	5.00			4664.00	24.00 Bottom Of Top Packer
Packer	5.00			4669.00	
Stubb	1.00			4670.00	
Perforations	10.00			4680.00	
Recorder	0.00	8360	Inside	4680.00	
Recorder	0.00	6751	Outside	4680.00	
Blank Spacing	65.00			4745.00	
Bullnose	5.00			4750.00	81.00 Bottom Packers & Anchor

Total Tool Length: 105.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc

11-25s-22w Ford,KS

PO Box 47
Great Bend KS 67530-0047

Temaat #1-11

Job Ticket: 64128

DST#: 1

ATTN: Carmen Schmitt, Bra

Test Start: 2017.03.15 @ 13:40:06

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.57 in³

Gas Cushion Type:

Resistivity: 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	Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

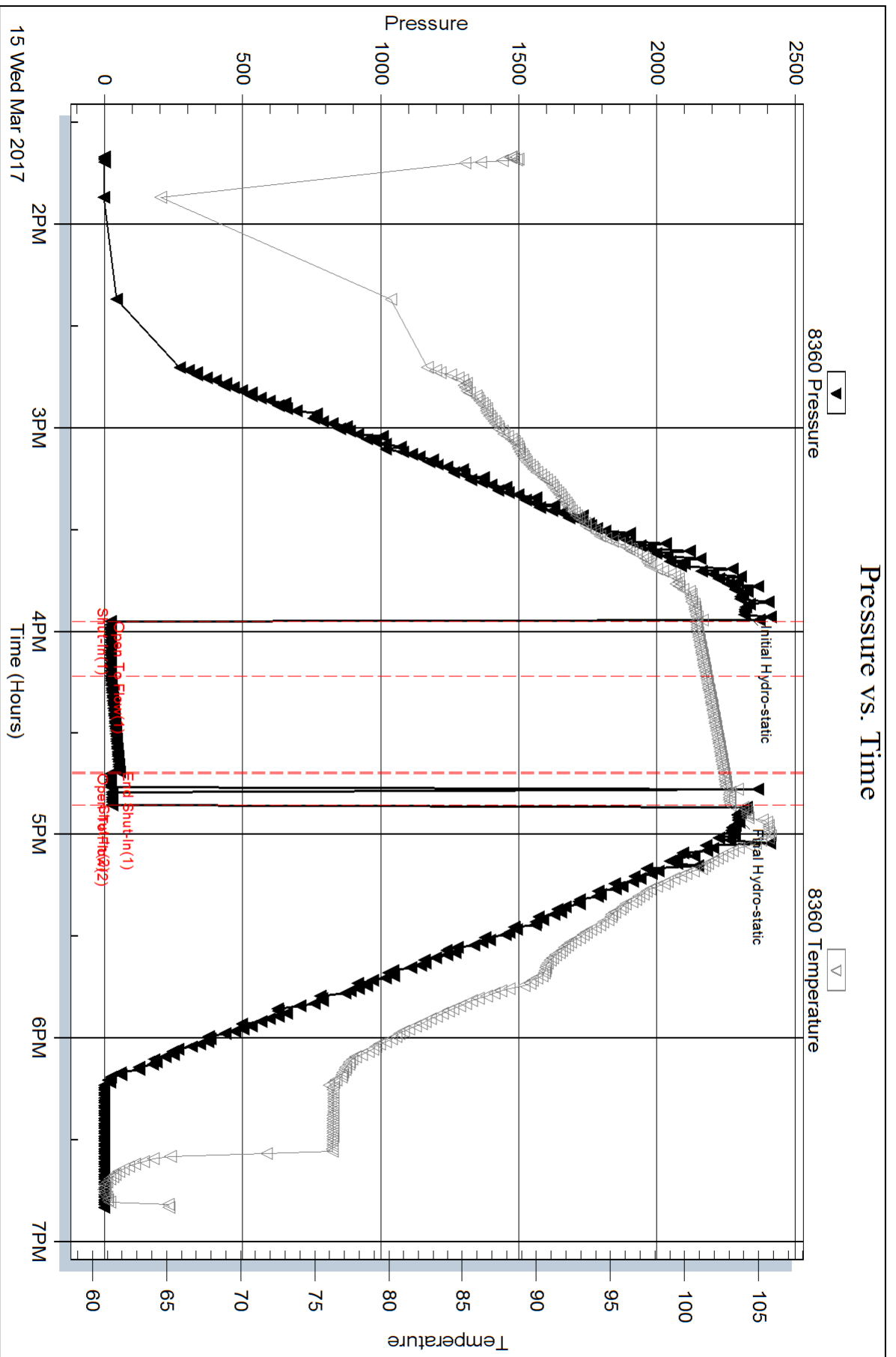
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

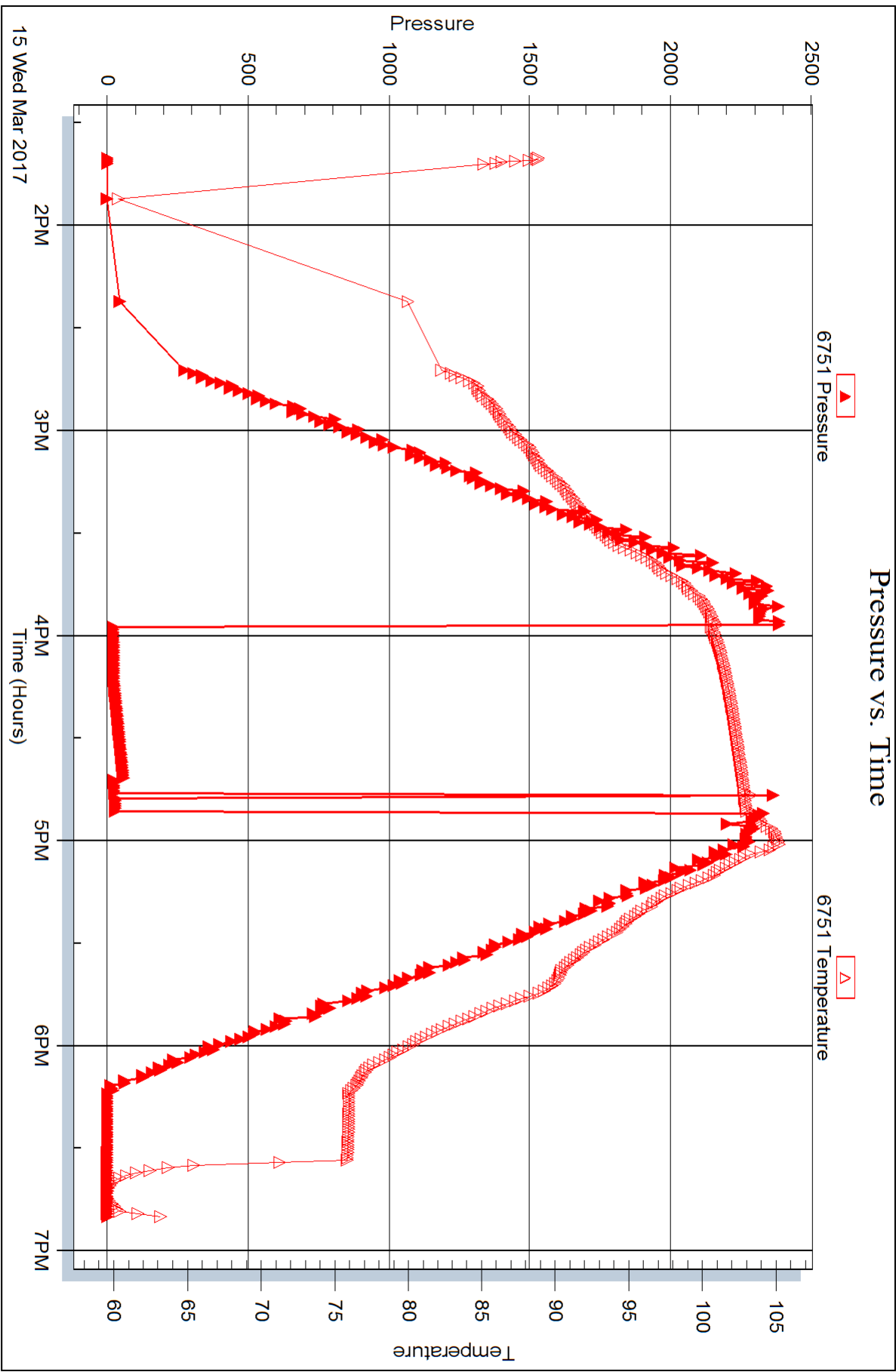


Serial #: 6751

Outside Carmen Schmitt Inc

Temat#1-11

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530-0047

ATTN: Carmen Schmitt , Bra

Temaat #1-11

11-25s-22w Ford,KS

Start Date: 2017.03.16 @ 05:10:42

End Date: 2017.03.16 @ 12:09:36

Job Ticket #: 64129 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.03.17 @ 16:27:50



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
 PO Box 47
 Great Bend KS 67530-0047
 ATTN: Carmen Schmitt, Bra

11-25s-22w Ford,KS
Temaat #1-11
 Job Ticket: 64129 **DST#: 2**
 Test Start: 2017.03.16 @ 05:10:42

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 07:32:22 Tester: Ray Schwager
 Time Test Ended: 12:09:36 Unit No: 77
 Interval: **4747.00 ft (KB) To 4775.00 ft (KB) (TVD)** Reference Elevations: 2388.00 ft (KB)
 Total Depth: 4775.00 ft (KB) (TVD) 2383.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

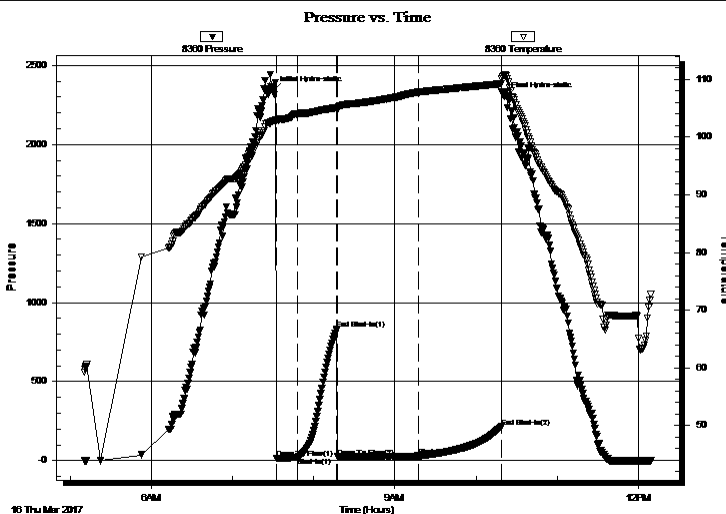
Serial #: 8360

Inside

Press@RunDepth: 30.05 psig @ 4748.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.03.16 End Date: 2017.03.16 Last Calib.: 2017.03.16
 Start Time: 05:10:42 End Time: 12:09:36 Time On Btm: 2017.03.16 @ 07:30:22
 Time Off Btm: 2017.03.16 @ 10:20:51

TEST COMMENT: 15-IFP-w k bl thru-out , surface to 1/4" bl
 30-ISIP-no bl
 60-FFP-no bl 1st 15 min, then surface bl thru-out
 60-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2341.22	102.83	Initial Hydro-static
2	15.48	102.80	Open To Flow (1)
18	19.67	103.96	Shut-In(1)
47	833.77	105.12	End Shut-In(1)
48	22.16	105.01	Open To Flow (2)
107	30.05	107.81	Shut-In(2)
169	214.09	109.28	End Shut-In(2)
171	2303.93	110.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	HOCM 35% O65%M	0.07

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
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ATTN: Carmen Schmitt, Bra

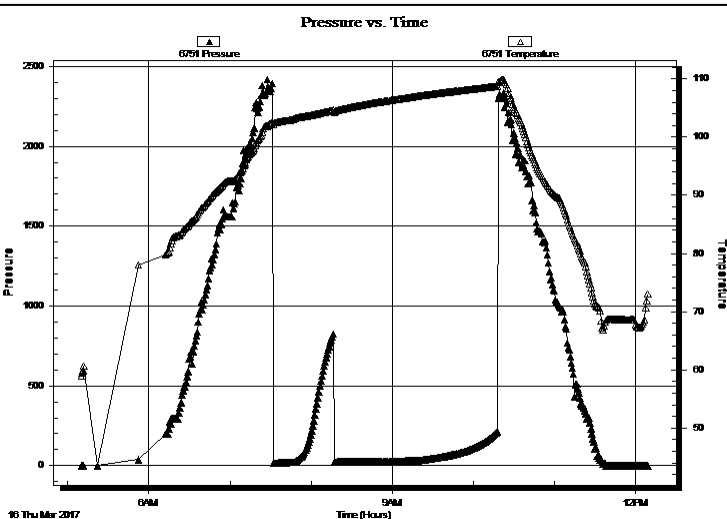
11-25s-22w Ford, KS
Temaat #1-11
Job Ticket: 64129 **DST#: 2**
Test Start: 2017.03.16 @ 05:10:42

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 07:32:22 Tester: Ray Schwager
Time Test Ended: 12:09:36 Unit No: 77
Interval: 4747.00 ft (KB) To 4775.00 ft (KB) (TVD) Reference Elevations: 2388.00 ft (KB)
Total Depth: 4775.00 ft (KB) (TVD) 2383.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6751 Outside
Press@RunDepth: psig @ 4748.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.03.16 End Date: 2017.03.16 Last Calib.: 2017.03.16
Start Time: 05:10:20 End Time: 12:09:14 Time On Btm:
Time Off Btm:

TEST COMMENT: 15-IFP-w k bl thru-out , surface to 1/4" bl
30-ISIP-no bl
60-FFP-no bl 1st 15 min, then surface bl thru-out
60-FSIP-no bl



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	HOCM 35% O65%M	0.07

* 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

11-25s-22w Ford,KS

PO Box 47
Great Bend KS 67530-0047

Temaat #1-11

Job Ticket: 64129

DST#: 2

ATTN: Carmen Schmitt , Bra

Test Start: 2017.03.16 @ 05:10:42

Tool Information

Drill Pipe:	Length: 4300.00 ft	Diameter: 3.80 inches	Volume: 60.32 bbl	Tool Weight:	2200.00 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: 450.00 ft	Diameter: 2.25 inches	Volume: 2.21 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 62.53 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	63000.00 lb
Depth to Top Packer:	4747.00 ft			Final	63000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	52.00 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			4724.00	
Shut In Tool	5.00			4729.00	
Hydraulic tool	5.00			4734.00	
Safety Joint	3.00			4737.00	
Packer	5.00			4742.00	24.00 Bottom Of Top Packer
Packer	5.00			4747.00	
Stubb	1.00			4748.00	
Recorder	0.00	8360	Inside	4748.00	
Recorder	0.00	6751	Outside	4748.00	
Perforations	24.00			4772.00	
Bullnose	3.00			4775.00	28.00 Bottom Packers & Anchor

Total Tool Length: 52.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc

11-25s-22w Ford,KS

PO Box 47
Great Bend KS 67530-0047

Temaat #1-11

Job Ticket: 64129

DST#: 2

ATTN: Carmen Schmitt, Bra

Test Start: 2017.03.16 @ 05:10:42

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	HOCM 35%O65%M	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

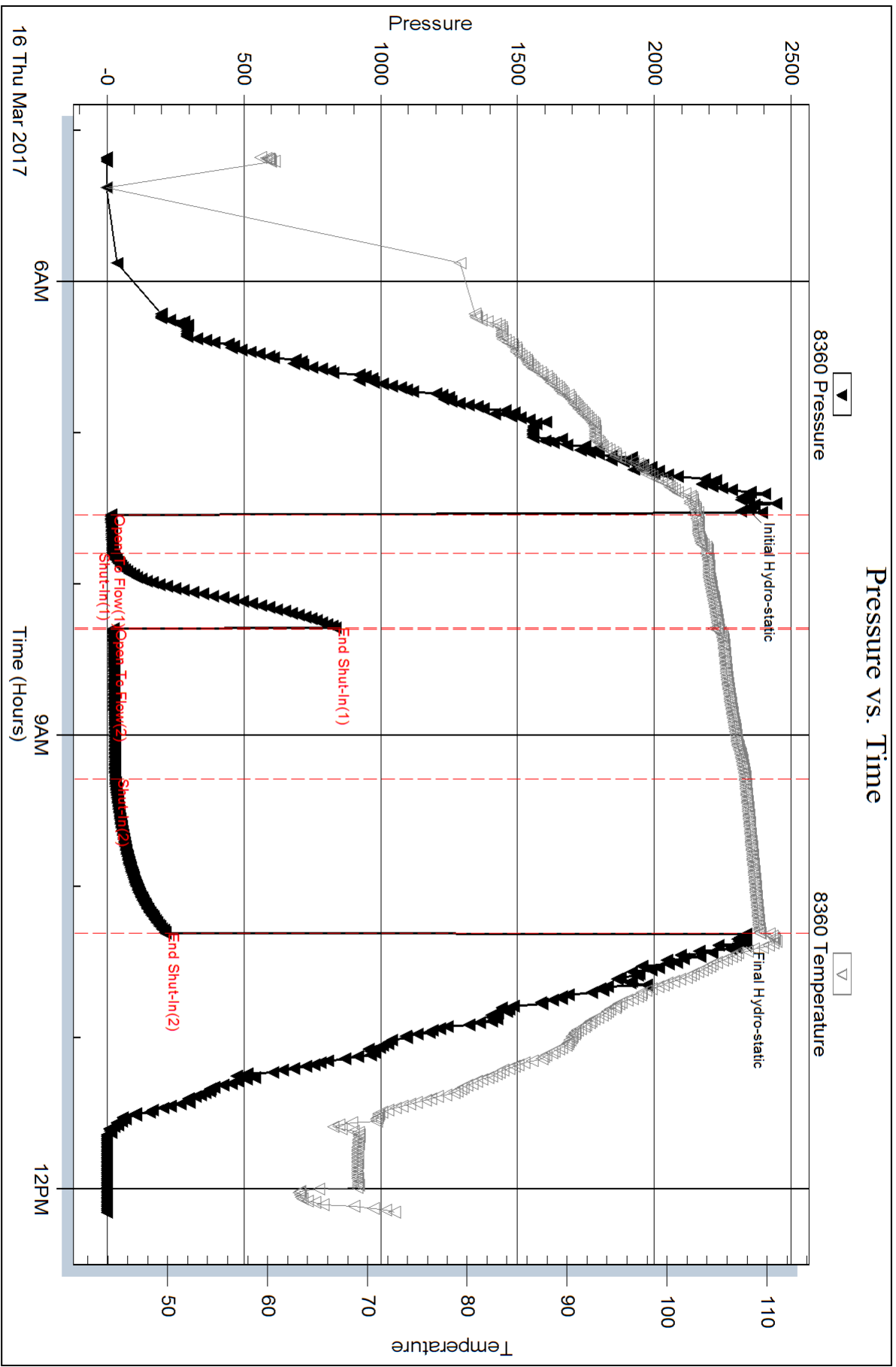
Num Gas Bombs: 0

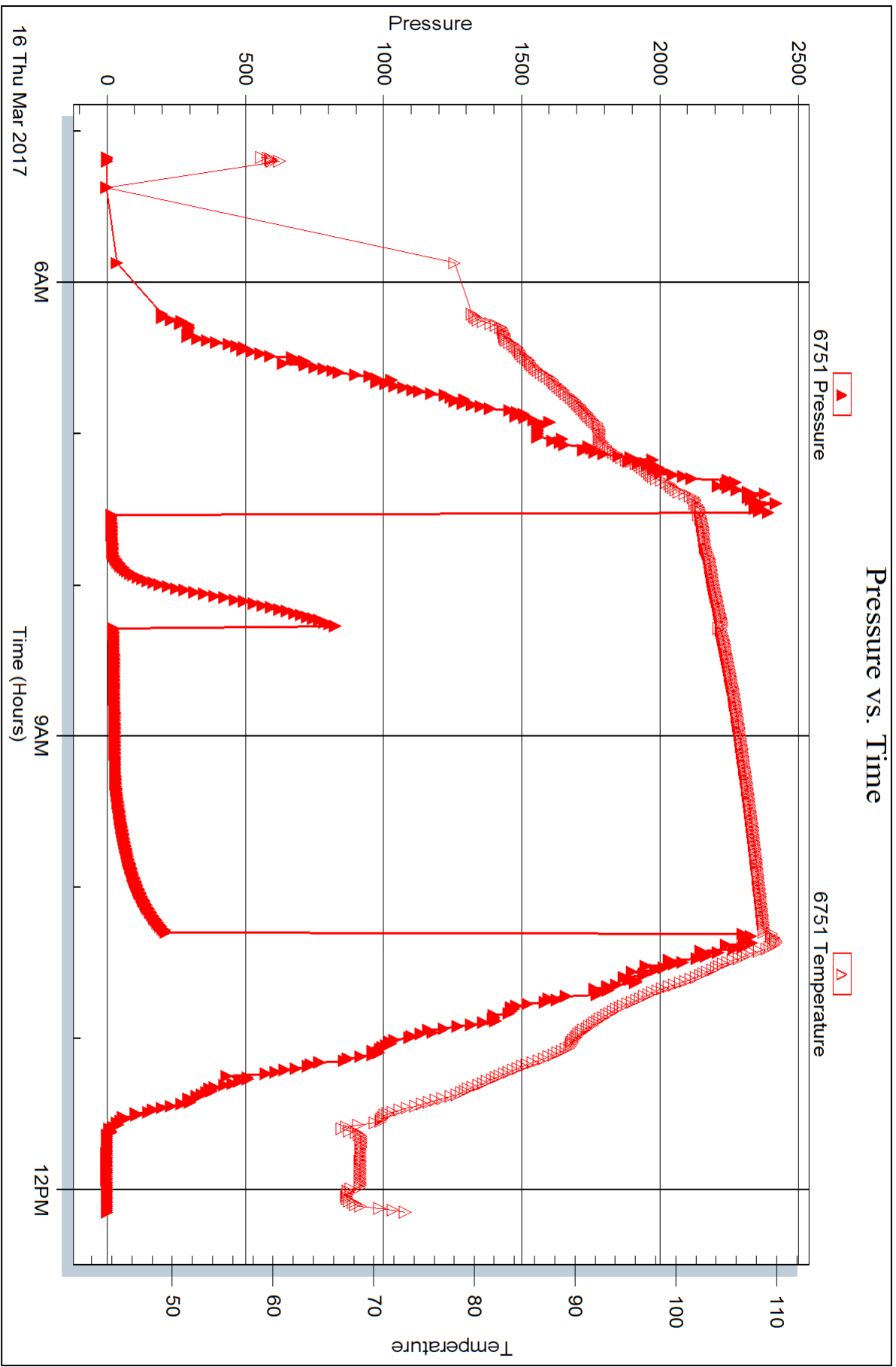
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530-0047

ATTN: Carmen Schmitt , Bra

Temaat #1-11

11-25s-22w Ford,KS

Start Date: 2017.03.16 @ 18:50:26

End Date: 2017.03.17 @ 00:35:20

Job Ticket #: 64130 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.03.17 @ 16:07:03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
 PO Box 47
 Great Bend KS 67530-0047
 ATTN: Carmen Schmitt, Bra

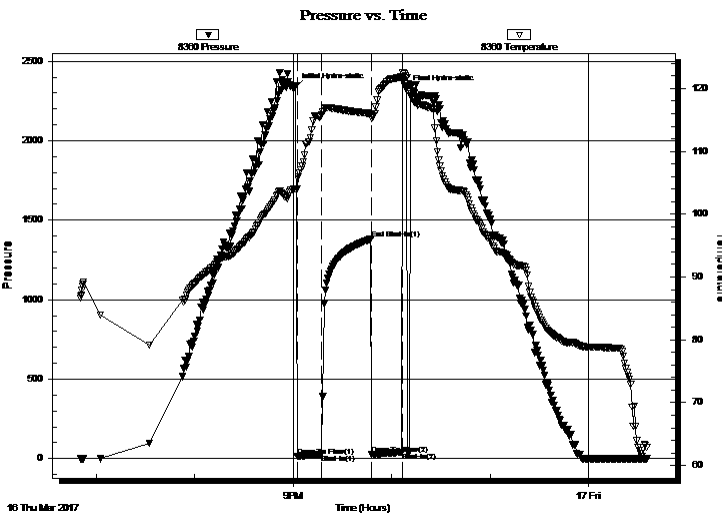
11-25s-22w Ford,KS
Temaat #1-11
 Job Ticket: 64130 **DST#: 3**
 Test Start: 2017.03.16 @ 18:50:26

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:02:21
 Time Test Ended: 00:35:20
 Interval: **4775.00 ft (KB) To 4780.00 ft (KB) (TVD)**
 Total Depth: 4780.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: 2388.00 ft (KB)
 2383.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8360 Inside
 Press@RunDepth: 25.60 psig @ 4776.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.03.16 End Date: 2017.03.17 Last Calib.: 2017.03.16
 Start Time: 18:50:26 End Time: 00:35:20 Time On Btm: 2017.03.16 @ 21:01:06
 Time Off Btm: 2017.03.16 @ 22:08:51

TEST COMMENT: 15-IFP-w k bl thru-out surface to 1/2" bl
 30-ISIP-no bl
 20-FFP-no bl
 pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2334.33	104.01	Initial Hydro-static
2	15.26	104.08	Open To Flow (1)
16	25.60	115.77	Shut-In(1)
47	1382.26	116.02	End Shut-In(1)
47	26.80	115.27	Open To Flow (2)
66	40.33	121.85	Shut-In(2)
68	2324.16	121.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	CO	0.00
65.00	MW 40%M60%W w /slight show of oil	0.32

* 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: Carmen Schmitt, Bra

11-25s-22w Ford,KS
Temaat #1-11
Job Ticket: 64130 **DST#: 3**
Test Start: 2017.03.16 @ 18:50:26

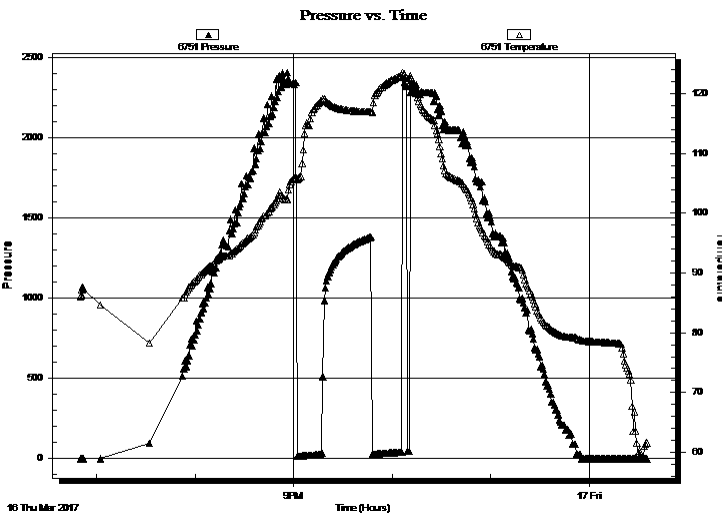
GENERAL INFORMATION:

Formation: Miss		Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock:	ft (KB)	Tester: Ray Schwager
Time Tool Opened: 21:02:21		Unit No: 77
Time Test Ended: 00:35:20		
Interval: 4775.00 ft (KB) To 4780.00 ft (KB) (TVD)		Reference Elevations: 2388.00 ft (KB)
Total Depth: 4780.00 ft (KB) (TVD)		2383.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 5.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @	4776.00 ft (KB)	Capacity:	8000.00 psig
Start Date: 2017.03.16	End Date: 2017.03.17	Last Calib.:	2017.03.16
Start Time: 18:50:11	End Time: 00:35:05	Time On Btm:	
		Time Off Btm:	

TEST COMMENT: 15-IFP-w k bl thru-out surface to 1/2" bl
30-ISIP-no bl
20-FFP-no bl
pulled tool



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1.00	CO	0.00
65.00	MW 40%M60%W w /slight show of oil	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

11-25s-22w Ford,KS

PO Box 47
Great Bend KS 67530-0047

Temaat #1-11

Job Ticket: 64130

DST#: 3

ATTN: Carmen Schmitt , Bra

Test Start: 2017.03.16 @ 18:50:26

Tool Information

Drill Pipe:	Length: 4332.00 ft	Diameter: 3.80 inches	Volume: 60.77 bbl	Tool Weight:	2200.00 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: 450.00 ft	Diameter: 2.25 inches	Volume: 2.21 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 62.98 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	63000.00 lb
Depth to Top Packer:	4775.00 ft			Final	63000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	5.00 ft				
Tool Length:	29.00 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			4752.00	
Shut In Tool	5.00			4757.00	
Hydraulic tool	5.00			4762.00	
Safety Joint	3.00			4765.00	
Packer	5.00			4770.00	24.00 Bottom Of Top Packer
Packer	5.00			4775.00	
Stubb	1.00			4776.00	
Recorder	0.00	8360	Inside	4776.00	
Recorder	0.00	6751	Outside	4776.00	
Perforations	1.00			4777.00	
Bullnose	3.00			4780.00	5.00 Bottom Packers & Anchor

Total Tool Length: 29.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc

11-25s-22w Ford,KS

PO Box 47
Great Bend KS 67530-0047

Temaat #1-11

Job Ticket: 64130

DST#: 3

ATTN: Carmen Schmitt , Bra

Test Start: 2017.03.16 @ 18:50:26

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:

28000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	CO	0.005
65.00	MW 40%M60%W w /slight show of oil	0.320

Total Length: 66.00 ft Total Volume: 0.325 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .27@60F

Serial #: 8360

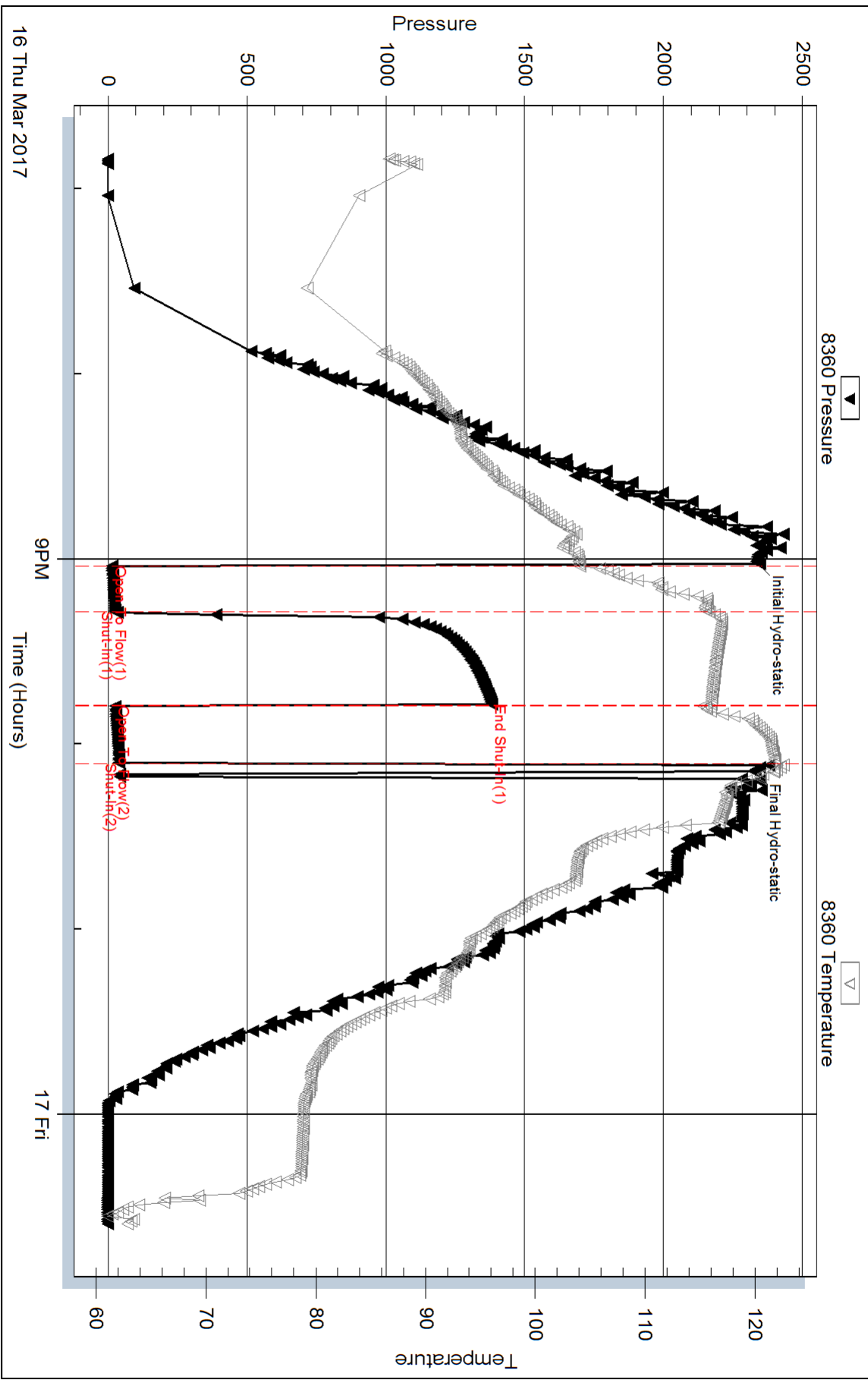
Inside

Carmen Schmitt Inc

Temat #1-11

DST Test Number: 3

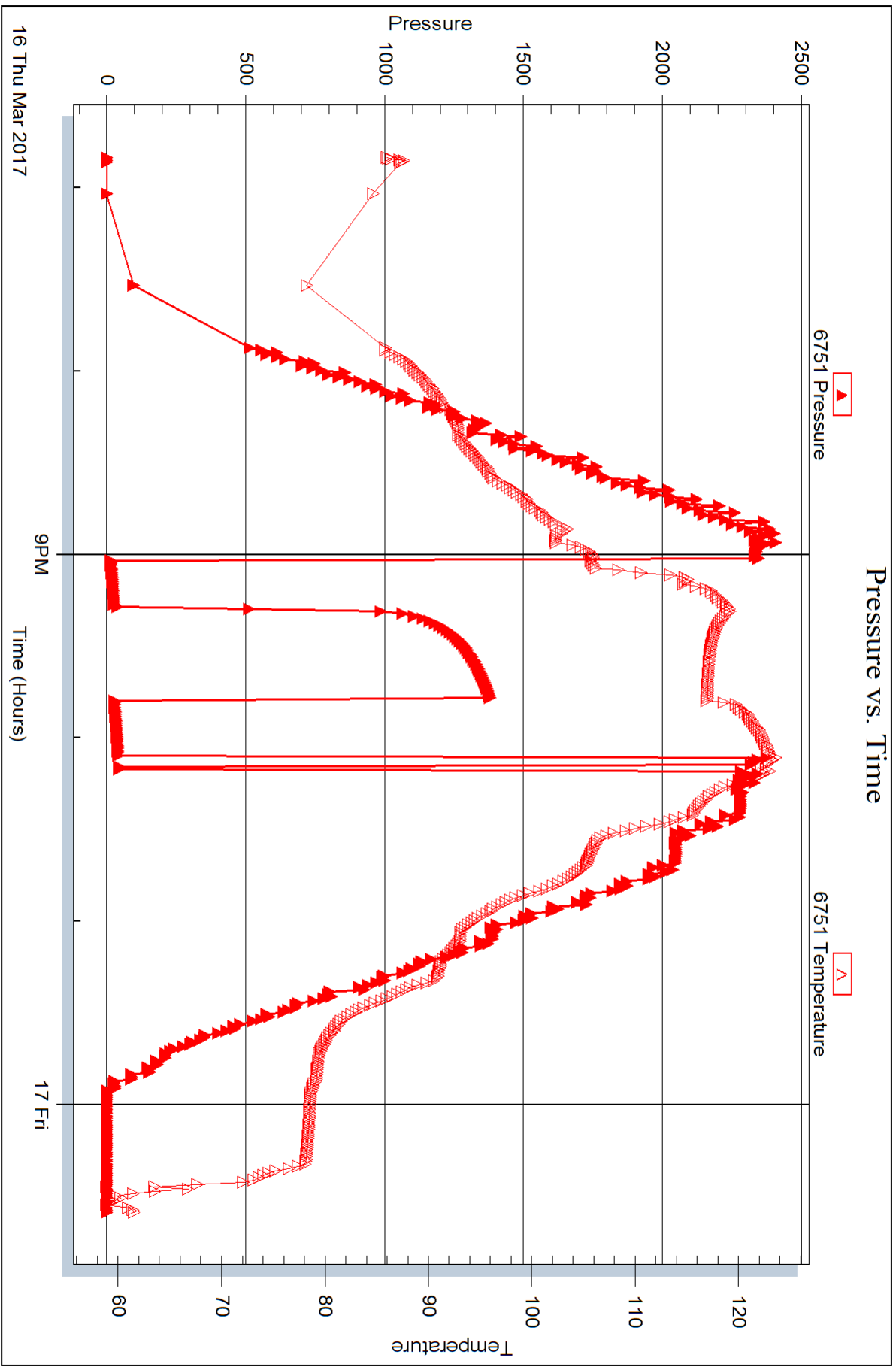
Pressure vs. Time

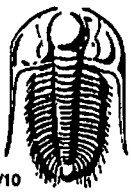


Triobite Testing, Inc

Ref. No: 64130

Printed: 2017.03.17 @ 16:07:04





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64128

Well Name & No. LeMAAT #1-11 Test No. 1 Date 3-15-12
 Company CARMA SCHMITT INC Elevation 2388 KB 2383 GL
 Address PO Box 47 GREAT BEAD, Ks 67530-0047
 Co. Rep / Geo. BRAD RINE Rig MURFIN rig 16
 Location: Sec. 11 Twp. 25^s Rge. 22^w Co. FORD State Ks

Interval Tested 4669-4750 Zone Tested FT. SCOTT, Cher
 Anchor Length 81 Drill Pipe Run 4310 Mud Wt. 9.2
 Top Packer Depth 4664 Drill Collars Run 360 Vis 52
 Bottom Packer Depth 4669 Wt. Pipe Run - WL 7.6
 Total Depth 4750 Chlorides 3600 ppm System LCM 1#
 Blow Description IFP - WEAK SURFACE BLOW THEN-OUT
ISIP - NO BLOW
FFP - NO BLOW, FLUSHED TOOL, GOT SURGE
pulled tool

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

Rec Total 5 BHT 103 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 2316 Test 1150 T-On Location 1145
 (B) First Initial Flow 22 Jars - T-Started 1340
 (C) First Final Flow 22 Safety Joint 75 T-Open 1600
 (D) Initial Shut-In 54 Circ Sub - T-Pulled 1655
 (E) Second Initial Flow 23 Hourly Standby - T-Out 1850
 (F) Second Final Flow 28 Mileage 190 RT 130rt 97.50
 (G) Final Shut-In - Sampler -
 (H) Final Hydrostatic 2287 Straddle -
 Shale Packer -
 Extra Packer -
 Extra Recorder -
 Day Standby -
 Accessibility -

Initial Open 15
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In out

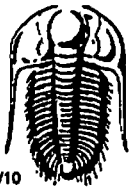
Sub Total 1322.50

MP/DST Disc't -

Comments -

Approved By Brad Rine Our Representative RAY SCHWARTZ Thank you

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64129

Well Name & No. TEMAAT #1-11 Test No. 2 Date 3-16-17
 Company CARMA SCHMITT Inc Elevation 2388 KB 2383 GL
 Address PO Box 47 GREAT BEND, Ks 67530-0047
 Co. Rep / Geo. BRAD RINE Rig MURFIN rig 16
 Location: Sec. 11 Twp. 25^s Rge. 22^w Co. FORD State Ks

Interval Tested 4747-4775 Zone Tested MISS
 Anchor Length 28 Drill Pipe Run 4300 Mud Wt. 9.2
 Top Packer Depth 4742 Drill Collars Run 450 Vis ~~5.2~~
 Bottom Packer Depth 4747 Wt. Pipe Run - WL 7.6
 Total Depth 4775 Chlorides 3600 ppm System LCM 1#
 Blow Description IFP - Weak Blow thru-out, surface to 1/4" Blow
IFIP - NO Blow
FFP - NO Blow 1st 15min, Then surface Blow thru-out
FSIP - NO Blow

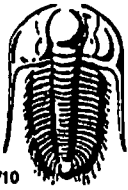
Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>HOCM</u>	<u>35</u>		<u>65</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT 109 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2341 Test 1150 T-On Location 0400
 (B) First Initial Flow 15 Jars T-Started 0510
 (C) First Final Flow 19 Safety Joint 75 T-Open 0735
 (D) Initial Shut-In 833 Circ Sub T-Pulled 1020
 (E) Second Initial Flow 22 Hourly Standby T-Out 1209
 (F) Second Final Flow 30 Mileage 190 RT 97.50 Comments _____
 (G) Final Shut-In 214 Sampler _____
 (H) Final Hydrostatic 2303 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1572.50
 Sub Total 1572.50 MP/DST Disc't _____

Approved By Brad Rine Our Representative Ray Schwager Thank you

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64130

Well Name & No. TEMAAT #1-11 Test No. 3 Date 3-16-17
 Company CARMEN SCHMITT INC Elevation 2388 KB 2383 GL
 Address PO Box 47 GREAT Bend, Ks 67530-0047
 Co. Rep / Geo. BRAD RINE Rig MURFIN RIG 16
 Location: Sec. 11 Twp. 25 Rge. 22^w Co. FORD State Ks

Interval Tested 4775-4780 Zone Tested MISS
 Anchor Length 5 Drill Pipe Run 4332 Mud Wt. 9.2
 Top Packer Depth 4770 Drill Collars Run 450 Vis 59
 Bottom Packer Depth 4775 Wt. Pipe Run - WL 8.4
 Total Depth 4780 Chlorides 5300 ppm System LCM 1#
 Blow Description IFP - WPAK Blow Thru-out, SURFACE TO 1/2" Blow
ISIP - NO BLOW
FFP - NO BLOW
FSTP -

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>CD</u>				
<u>65</u>	<u>MW</u>			<u>60</u>	<u>40</u>
	<u>w/slight show of oil</u>				

Rec Total 66 BHT 122 Gravity - API RW .27 @ 60 ° F Chlorides 28000 ppm

(A) Initial Hydrostatic <u>2334</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1745</u>
(B) First Initial Flow <u>15</u>	<input type="checkbox"/> Jars	T-Started <u>1850</u>
(C) First Final Flow <u>25</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2105</u>
(D) Initial Shut-In <u>1382</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2210</u>
(E) Second Initial Flow <u>26</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0035</u>
(F) Second Final Flow <u>40</u>	<input checked="" type="checkbox"/> Mileage <u>190RT</u> 195	Comments <u>Loaded Tool 3-17-17</u>
(G) Final Shut-In <u>-</u>	<input type="checkbox"/> Sampler	<u>1630</u>
(H) Final Hydrostatic <u>2324</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>15</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>20</u>	<input type="checkbox"/> Day Standby	Total <u>1420</u>
Final Shut-In <u>out</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1420</u>	

Approved By Brad Rine Our Representative Ray Schwager *thank you*

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