

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or _____ Date Reached TD _____ Completion Date or
Recompletion Date _____ Recompletion Date _____

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top _____ Bottom _____
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	SUNNY LEA 1-34
Doc ID	1595720

Tops

Name	Top	Datum
Stone Corral	2614	387
Topeka	3792	-791
Heebner Sh.	3998	-997
Toronto	4022	-1021
Lansing	4036	-1035
B/ KC	4292	-1291
Marmaton	4304	-1303
Pawnee Lime	4411	-1410
Ft.Scott	4447	-1446
Cherokee	4475	-1474
Mississippi	4602	-1601



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Sunny Lea #1-34

34-8S.-31W Thomas,KS

Start Date: 2021.10.17 @ 21:16:00

End Date: 2021.10.18 @ 02:47:09

Job Ticket #: 67118 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.10.27 @ 16:11:01

Carmen Schmitt Inc

34-8S.-31W Thomas,KS

Sunny Lea #1-34

DST # 1

"Toronto - LKC A"

2021.10.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

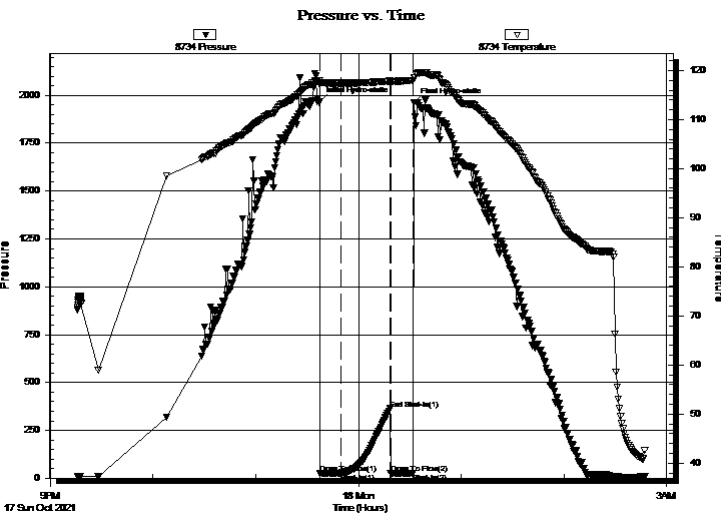
34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67118 **DST#: 1**
Test Start: 2021.10.17 @ 21:16:00

GENERAL INFORMATION:

Formation: **"Toronto - LKC A"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 23:37:20 Tester: Martine Salinas
Time Test Ended: 02:47:09 Unit No: 82
Interval: 3993.00 ft (KB) To 4047.00 ft (KB) (TVD) Reference Elevations: 3001.00 ft (KB)
Total Depth: 4047.00 ft (KB) (TVD) 2991.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8734 Outside
Press@RunDepth: 25.08 psig @ 3994.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.10.17 End Date: 2021.10.18 Last Calib.: 2021.10.18
Start Time: 21:16:01 End Time: 02:47:10 Time On Btm: 2021.10.17 @ 23:37:10
Time Off Btm: 2021.10.18 @ 00:32:20

TEST COMMENT: 15-IF-blow built to 3/4"
30-ISI-No return
10-FF-No blow , Pull tools



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1968.54	118.00	Initial Hydro-static
1	24.34	117.13	Open To Flow (1)
13	25.08	117.41	Shut-In(1)
42	362.59	117.84	End Shut-In(1)
42	25.23	117.71	Open To Flow (2)
55	25.96	117.98	Shut-In(2)
56	1960.87	118.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	SOSM 1%O, 99%M	0.04

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
 ATTN: Brad Rine

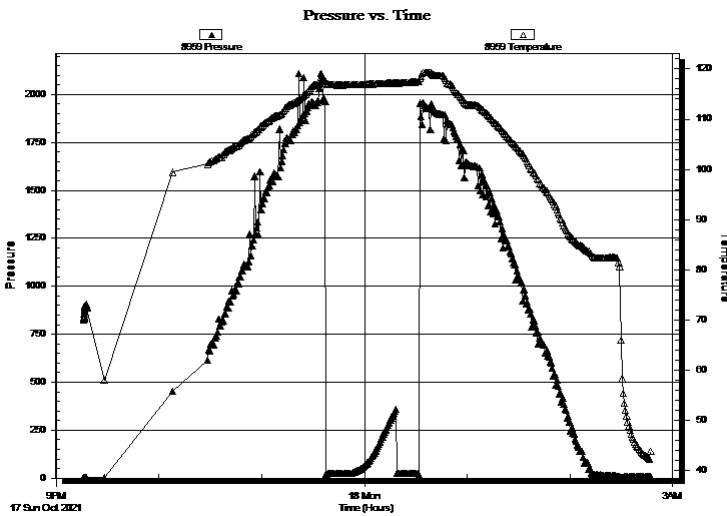
34-8S.-31W Thomas,KS
Sunny Lea #1-34
 Job Ticket: 67118 **DST#: 1**
 Test Start: 2021.10.17 @ 21:16:00

GENERAL INFORMATION:

Formation: **"Toronto - LKC A"**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 23:37:20 Tester: Martine Salinas
 Time Test Ended: 02:47:09 Unit No: 82
 Interval: **3993.00 ft (KB) To 4047.00 ft (KB) (TVD)** Reference Elevations: 3001.00 ft (KB)
 Total Depth: 4047.00 ft (KB) (TVD) 2991.00 ft (CF)
 Hole Diameter: 7.88 inchesHole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8959 Inside
 Press@RunDepth: psig @ 3994.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.10.17 End Date: 2021.10.18 Last Calib.: 2021.10.18
 Start Time: 21:16:01 End Time: 02:47:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15-IF-blow built to 3/4"
 30-ISI-No return
 10-FF-No blow , Pull tools



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
3.00	SOSM 1%O, 99%M	0.04

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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67118 **DST#: 1**
Test Start: 2021.10.17 @ 21:16:00

Tool Information

Drill Pipe:	Length: 3971.00 ft	Diameter: 3.80 inches	Volume: 55.70 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 55.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3993.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	82.00 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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Shut In Tool	5.00			3970.00	
Hydraulic tool	5.00	1113		3975.00	
Jars	5.00	01-07		3980.00	
Safety Joint	3.00	-001		3983.00	
Packer	5.00			3988.00	28.00 Bottom Of Top Packer
Packer	5.00			3993.00	
Stubb	1.00			3994.00	
Recorder	0.00	8959	Inside	3994.00	
Recorder	0.00	8734	Outside	3994.00	
Perforations	14.00			4008.00	
Change Over Sub	1.00			4009.00	
Drill Pipe	32.00			4041.00	
Change Over Sub	1.00			4042.00	
Bullnose	5.00			4047.00	54.00 Bottom Packers & Anchor

Total Tool Length: 82.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67118 **DST#: 1**
Test Start: 2021.10.17 @ 21:16:00

Mud and Cushion Information

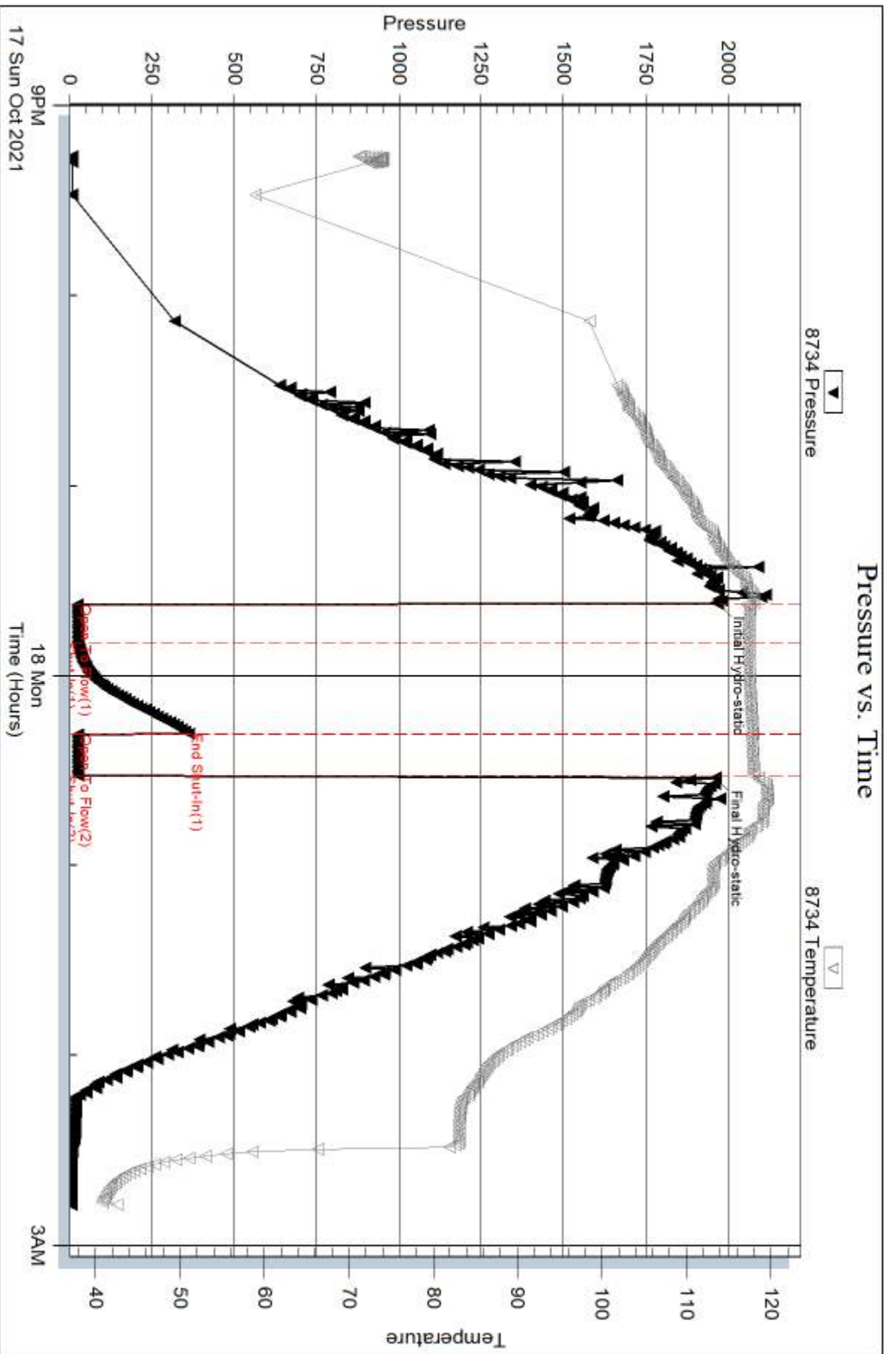
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.36 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	SOSM 1%O, 99%M	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



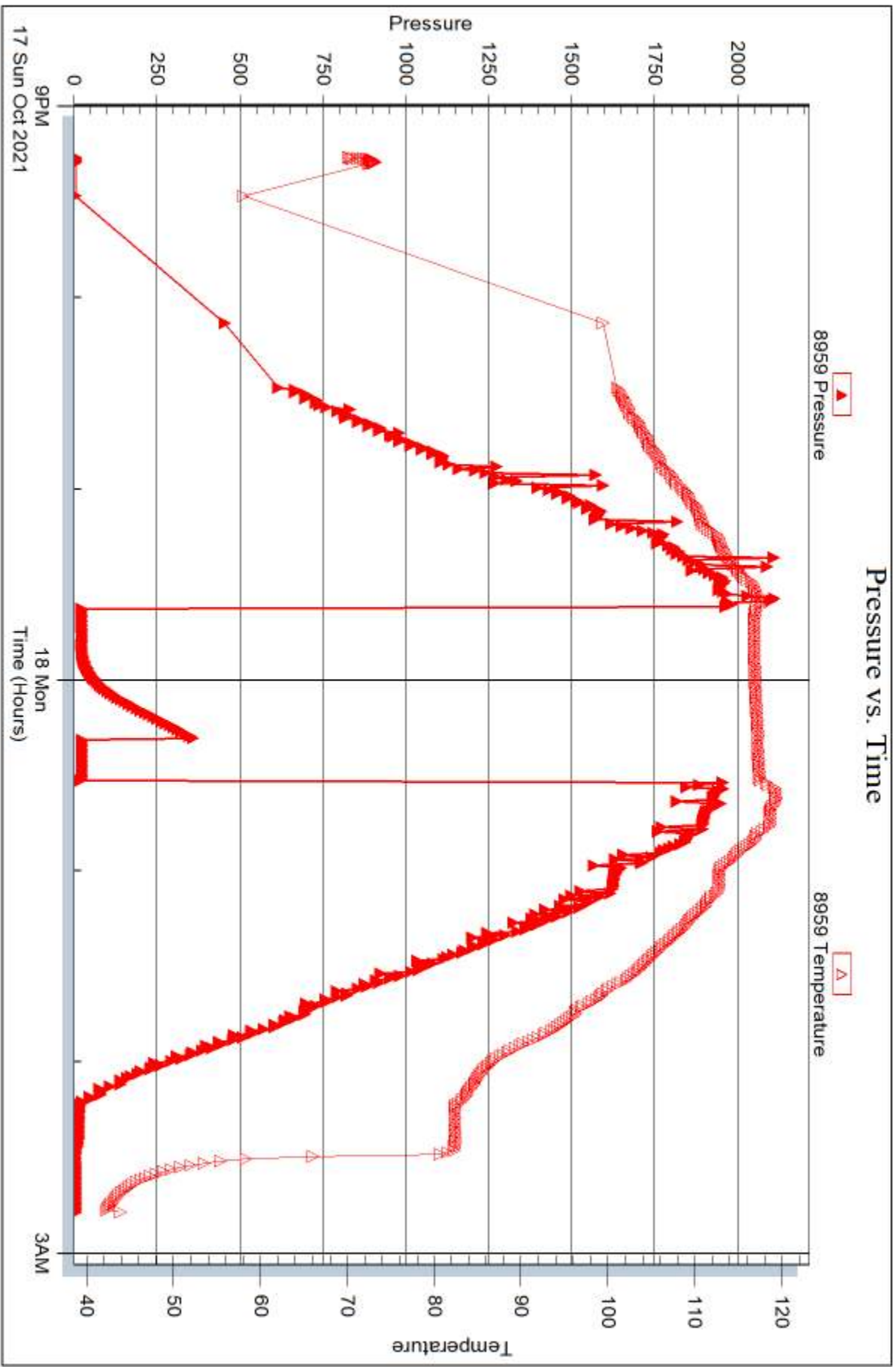
Serial #: 8959

Inside

Carmen Schnitt Inc

Sunny Lea #1-34

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 67118

Printed: 2021.10.27 @ 16:11:02



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Sunny Lea #1-34

34-8S.-31W Thomas,KS

Start Date: 2021.10.18 @ 12:30:00

End Date: 2021.10.18 @ 16:43:30

Job Ticket #: 67119 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.10.27 @ 16:10:16

Carmen Schmitt Inc
34-8S.-31W Thomas,KS
Sunny Lea #1-34
DST # 2
LKC " C "
2021.10.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

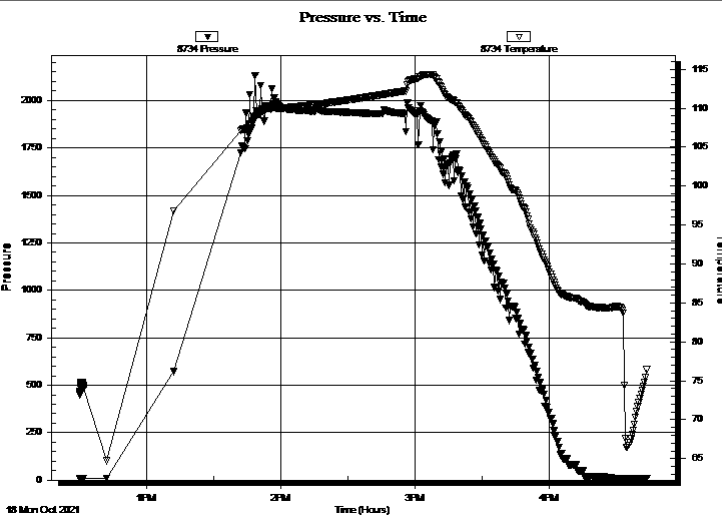
34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67119 **DST#: 2**
Test Start: 2021.10.18 @ 12:30:00

GENERAL INFORMATION:

Formation: **LKC " C "**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: Tester: Martine Salinas
 Time Test Ended: 16:43:30 Unit No: 82
 Interval: **4053.00 ft (KB) To 4080.00 ft (KB) (TVD)** Reference Elevations: 3001.00 ft (KB)
 Total Depth: 4080.00 ft (KB) (TVD) 2991.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8734 Outside
 Press@RunDepth: psig @ 4054.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.10.18 End Date: 2021.10.18 Last Calib.: 2021.10.18
 Start Time: 12:30:01 End Time: 16:43:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15-IF-blow built to 1/4" & decreased to surface blow
 30-ISI-No return
 10-FF-No blow , Pull tools



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	Hydraulic tool did not open	0.00

* 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
 ATTN: Brad Rine

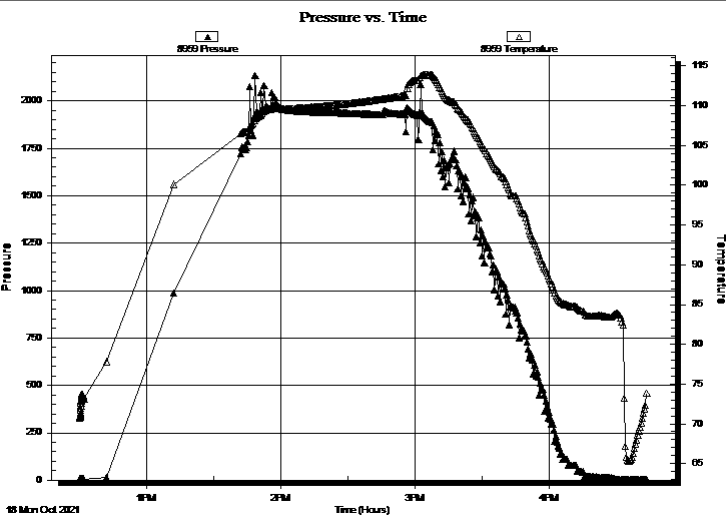
34-8S.-31W Thomas,KS
Sunny Lea #1-34
 Job Ticket: 67119 **DST#: 2**
 Test Start: 2021.10.18 @ 12:30:00

GENERAL INFORMATION:

Formation: **LKC " C "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended: 16:43:30
 Interval: **4053.00 ft (KB) To 4080.00 ft (KB) (TVD)**
 Total Depth: 4080.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: 3001.00 ft (KB)
 2991.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8959 Inside
 Press@RunDepth: psig @ 4054.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.10.18 End Date: 2021.10.18 Last Calib.: 2021.10.18
 Start Time: 12:30:01 End Time: 16:43:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15-IF-blow built to 1/4" & decreased to surface blow
 30-ISI-No return
 10-FF-No blow, Pull tools



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	Hydraulic tool did not open	0.00

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
ATTN: Brad Rine

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67119 **DST#: 2**
Test Start: 2021.10.18 @ 12:30:00

Tool Information

Drill Pipe:	Length: 4035.00 ft	Diameter: 3.80 inches	Volume: 56.60 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 56.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4053.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	55.00 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			4026.00	
Shut In Tool	5.00			4031.00	
Hydraulic tool	5.00	1113		4036.00	
Jars	5.00	01-07		4041.00	
Safety Joint	3.00	-001		4044.00	
Packer	5.00			4049.00	28.00 Bottom Of Top Packer
Packer	4.00			4053.00	
Stubb	1.00			4054.00	
Recorder	0.00	8959	Inside	4054.00	
Recorder	0.00	8734	Outside	4054.00	
Perforations	21.00			4075.00	
Bullnose	5.00			4080.00	27.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67119 **DST#: 2**
Test Start: 2021.10.18 @ 12:30:00

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: 7.16 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	Hydraulic tool did not open	0.000

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

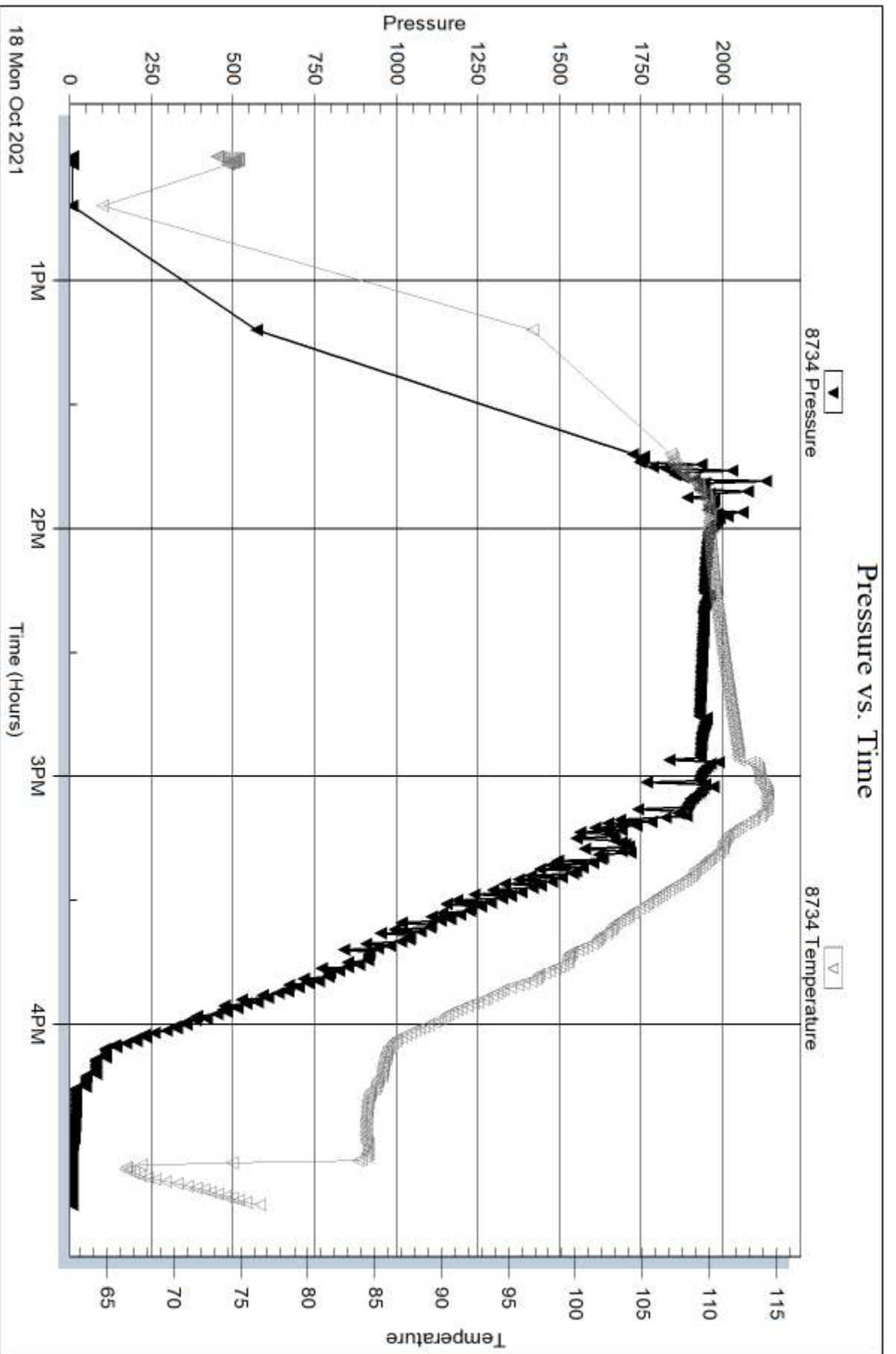
Serial #: 8734

Outside

Carmen Schmitt Inc

Sunny Lea #1-34

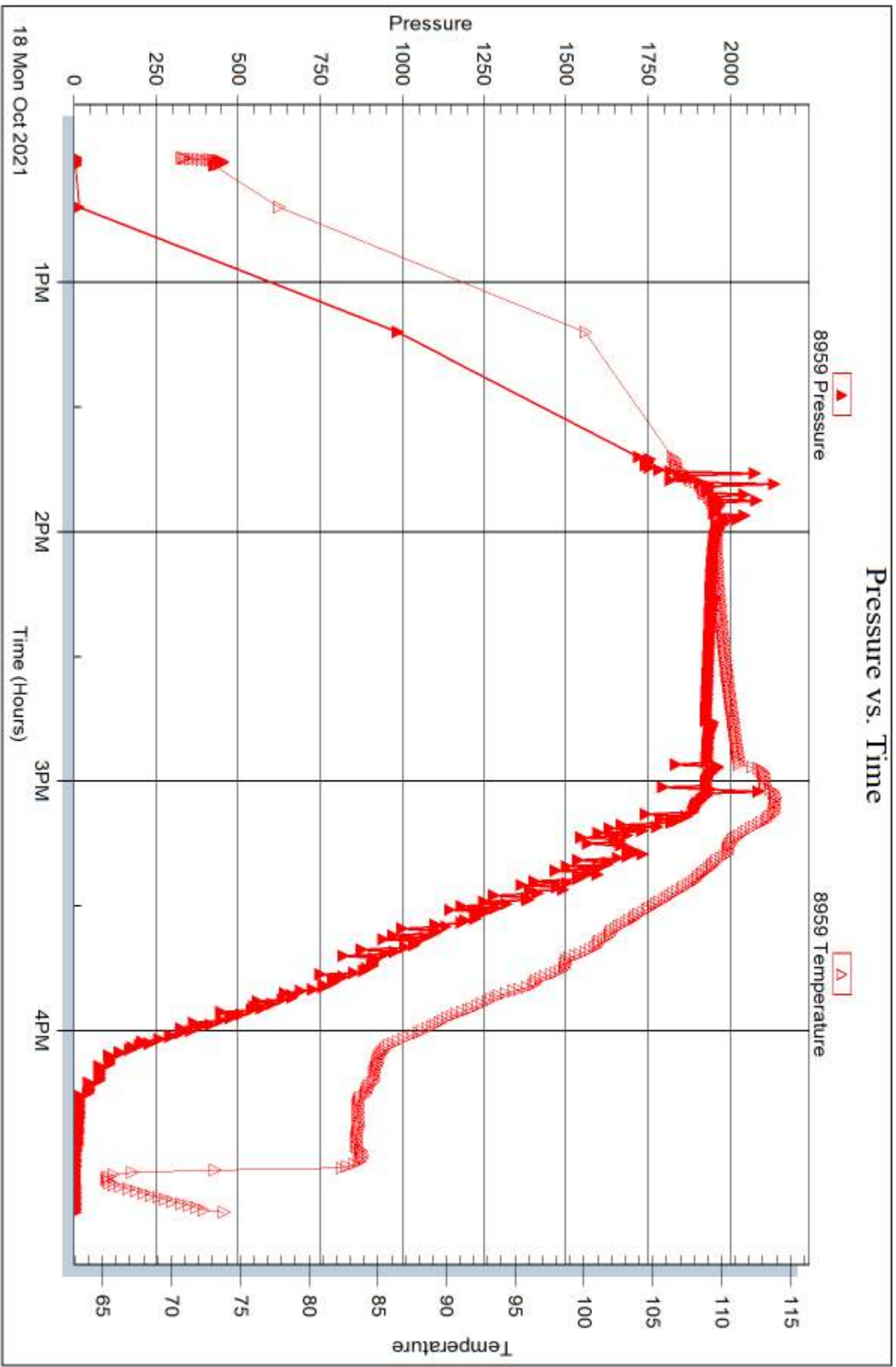
DST Test Number: 2



Trilobe Testing, Inc

Ref. No: 67119

Printed: 2021.10.27 @ 16:10:18





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Sunny Lea #1-34

34-8S.-31W Thomas,KS

Start Date: 2021.10.18 @ 21:50:00

End Date: 2021.10.19 @ 03:21:39

Job Ticket #: 67120 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.10.27 @ 16:09:39

Carmen Schmitt Inc
34-8S.-31W Thomas,KS
Sunny Lea #1-34
DST # 3
LKG " C "
2021.10.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

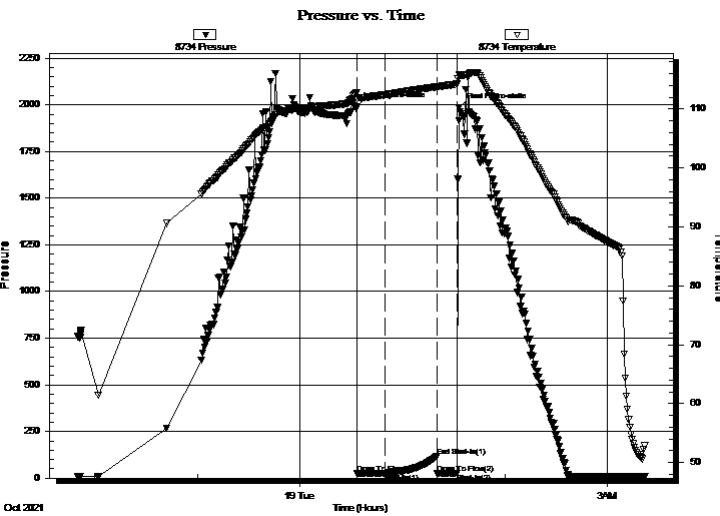
34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67120 **DST#: 3**
Test Start: 2021.10.18 @ 21:50:00

GENERAL INFORMATION:

Formation: **LKC " C "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:33:40
Time Test Ended: 03:21:39
Interval: **4053.00 ft (KB) To 4080.00 ft (KB) (TVD)**
Total Depth: 4080.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Martine Salinas
Unit No: 82
Reference Elevations: 3001.00 ft (KB)
2991.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8734 Outside
Press@RunDepth: 24.79 psig @ 4054.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.10.18 End Date: 2021.10.19 Last Calib.: 2021.10.19
Start Time: 21:50:01 End Time: 03:21:40 Time On Btm: 2021.10.19 @ 00:33:30
Time Off Btm: 2021.10.19 @ 01:33:10

TEST COMMENT: 15-IF-Weak surface blow
30-ISI-No return
10-FF-No blow , Pull tools



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1988.99	112.72	Initial Hydro-static
1	23.98	111.70	Open To Flow (1)
17	24.79	112.41	Shut-In(1)
47	118.29	113.76	End Shut-In(1)
47	25.38	113.76	Open To Flow (2)
59	25.98	114.21	Shut-In(2)
60	1983.58	115.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud w /Oil Scum	0.42

* 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
ATTN: Brad Rine

34-8S.-31W Thomas,KS

Sunny Lea #1-34

Job Ticket: 67120 **DST#: 3**

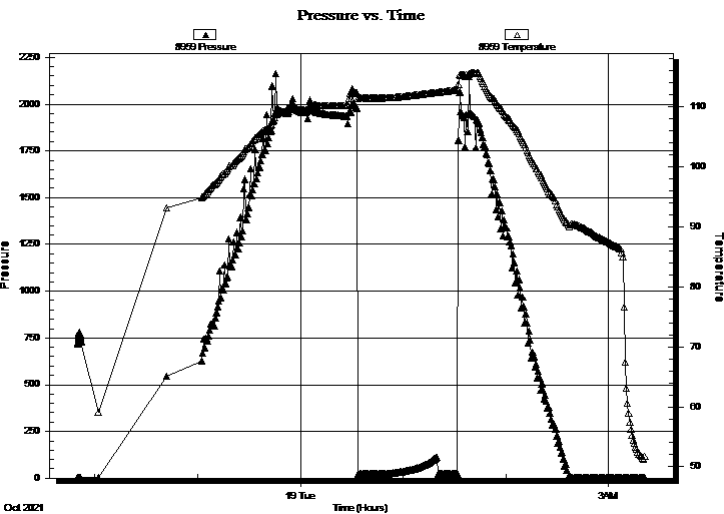
Test Start: 2021.10.18 @ 21:50:00

GENERAL INFORMATION:

Formation: LKC " C "			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 00:33:40		Tester: Martine Salinas	
Time Test Ended: 03:21:39		Unit No: 82	
Interval: 4053.00 ft (KB) To 4080.00 ft (KB) (TVD)		Reference Elevations: 3001.00 ft (KB)	
Total Depth: 4080.00 ft (KB) (TVD)		2991.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 10.00 ft	

Serial #: 8959	Inside				
Press@RunDepth:	psig @	4054.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2021.10.18	End Date:	2021.10.19	Last Calib.:	2021.10.19
Start Time:	21:50:01	End Time:	03:21:30	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 15-IF-Weak surface blow
30-ISI-No return
10-FF-No blow , Pull tools



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud w /Oil Scum	0.42

* 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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67120 **DST#: 3**
Test Start: 2021.10.18 @ 21:50:00

Tool Information

Drill Pipe:	Length: 4035.00 ft	Diameter: 3.80 inches	Volume: 56.60 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 56.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4053.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	55.00 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			4026.00	
Shut In Tool	5.00			4031.00	
Hydraulic tool	5.00	1113		4036.00	
Jars	5.00	01-07		4041.00	
Safety Joint	3.00	-001		4044.00	
Packer	5.00			4049.00	28.00 Bottom Of Top Packer
Packer	4.00			4053.00	
Stubb	1.00			4054.00	
Recorder	0.00	8959	Inside	4054.00	
Recorder	0.00	8734	Outside	4054.00	
Perforations	21.00			4075.00	
Bullnose	5.00			4080.00	27.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67120 **DST#: 3**
Test Start: 2021.10.18 @ 21:50:00

Mud and Cushion Information

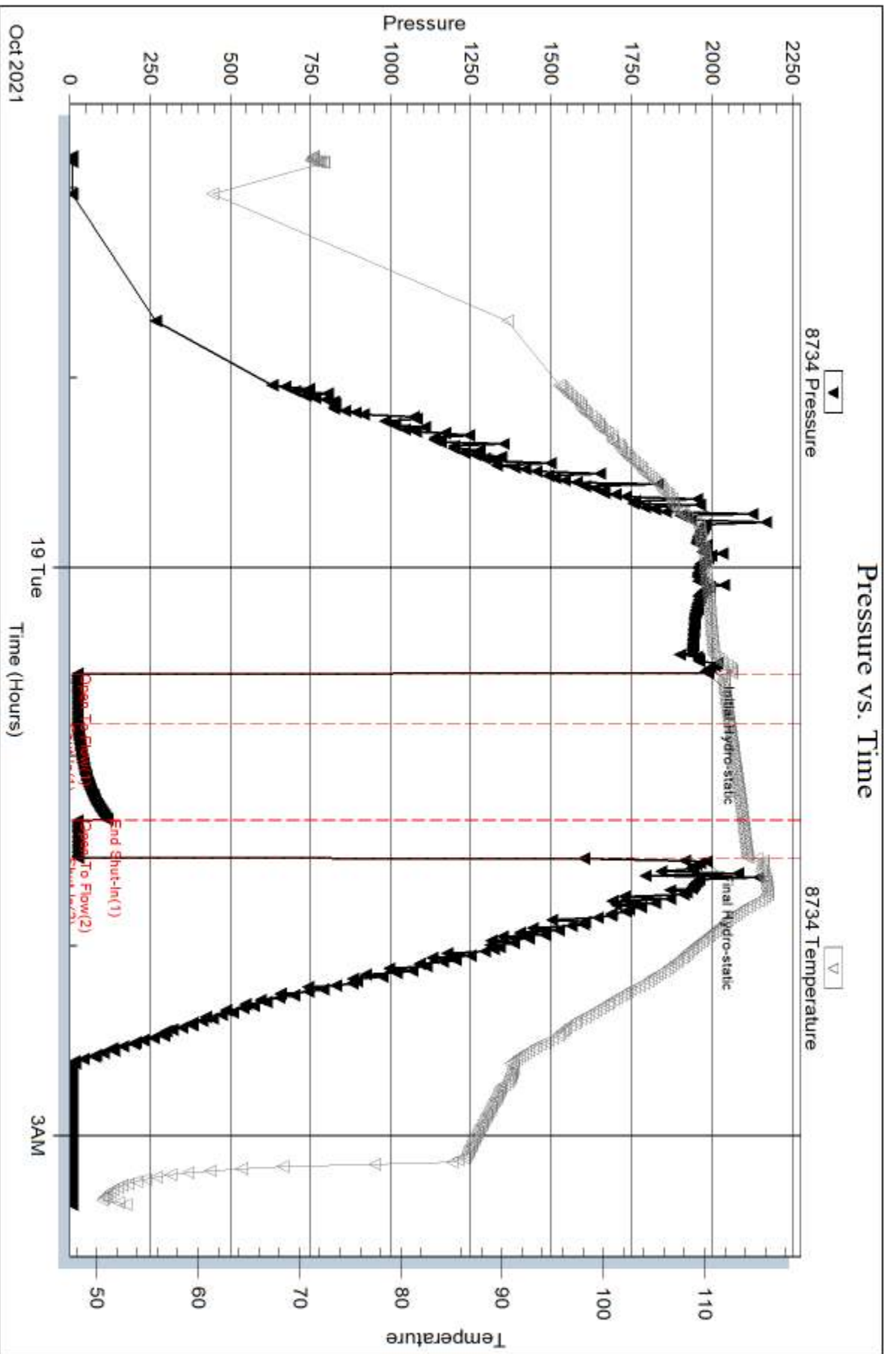
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud w /Oil Scum	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



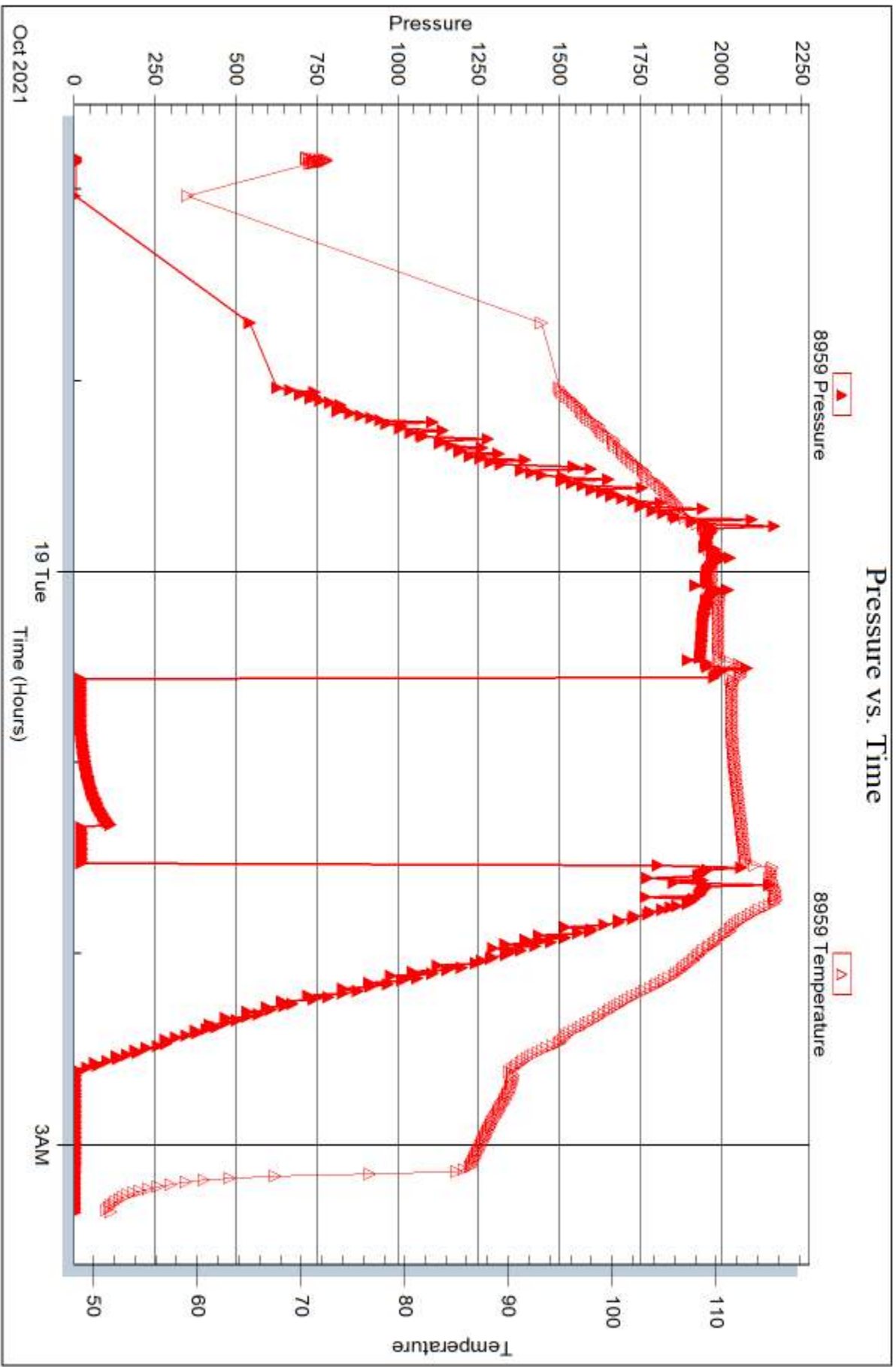
Serial #: 8959

Inside

Carmen Schmitt Inc

Sunny Lea #1-34

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 67120

Printed: 2021.10.27 @ 16:09:40



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Sunny Lea #1-34

34-8S.-31W Thomas,KS

Start Date: 2021.10.19 @ 10:55:00

End Date: 2021.10.19 @ 17:09:50

Job Ticket #: 67121 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.10.27 @ 16:08:51

Carmen Schmitt Inc

34-8S.-31W Thomas,KS

Sunny Lea #1-34

DST # 4

LKC " D & E "

2021.10.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67121 **DST#: 4**
Test Start: 2021.10.19 @ 10:55:00

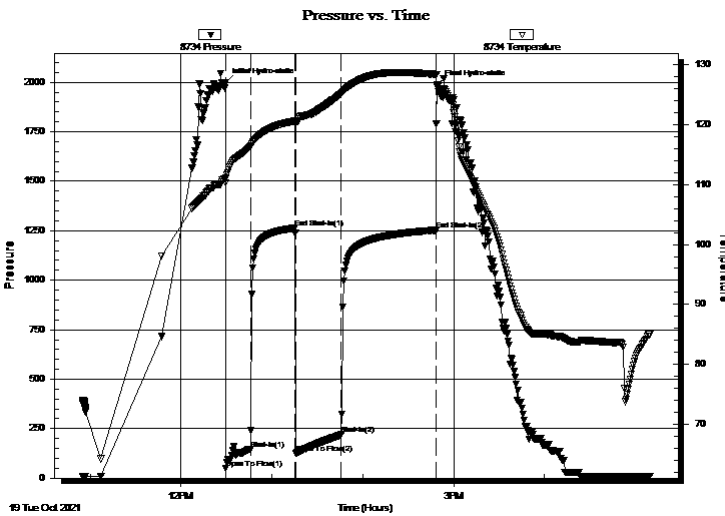
GENERAL INFORMATION:

Formation: **LKC " D & E "**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 12:29:30 Tester: Martine Salinas
Time Test Ended: 17:09:50 Unit No: 82
Interval: 4072.00 ft (KB) To 4100.00 ft (KB) (TVD) Reference Elevations: 3001.00 ft (KB)
Total Depth: 4100.00 ft (KB) (TVD) 2991.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8734 Outside
Press@RunDepth: 220.11 psig @ 4073.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.10.19 End Date: 2021.10.19 Last Calib.: 2021.10.19
Start Time: 10:55:01 End Time: 17:09:50 Time On Btm: 2021.10.19 @ 12:29:20
Time Off Btm: 2021.10.19 @ 14:49:20

TEST COMMENT: 15-IF-B.O.B (11 inches) @ 7 mins (blow increased to 18")
30-ISI-Return blow @ 7 mins increased to 1/4"
30-FF-B.O.B @ 14 mins (blow increased to 18 3/4")
60-FSI-Return blow @ 8 mins increased to 1"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1997.06	111.06	Initial Hydro-static
1	48.79	110.31	Open To Flow (1)
17	147.57	116.42	Shut-In(1)
46	1263.39	120.62	End Shut-In(1)
47	126.15	120.46	Open To Flow (2)
77	220.11	125.23	Shut-In(2)
139	1252.24	128.40	End Shut-In(2)
140	1986.04	126.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
340.00	OSMCW 3%O, 8%M, 89%W	3.69
60.00	GSOVM 8%G, 10%O, 22%W, 60%M	0.84
40.00	CO 100%O	0.56
0.00	120' 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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67121 **DST#: 4**
Test Start: 2021.10.19 @ 10:55:00

Tool Information

Drill Pipe:	Length: 3940.00 ft	Diameter: 3.80 inches	Volume: 55.27 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 55.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4072.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Mild plugging on IFP, Cleaned up

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4045.00	
Shut In Tool	5.00			4050.00	
Hydraulic tool	5.00	1018		4055.00	
Jars	5.00	01-07		4060.00	
Safety Joint	3.00	-001		4063.00	
Packer	5.00			4068.00	28.00 Bottom Of Top Packer
Packer	4.00			4072.00	
Stubb	1.00			4073.00	
Recorder	0.00	8959	Inside	4073.00	
Recorder	0.00	8734	Outside	4073.00	
Perforations	22.00			4095.00	
Bullnose	5.00			4100.00	28.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67121 **DST#: 4**
Test Start: 2021.10.19 @ 10:55:00

Mud and Cushion Information

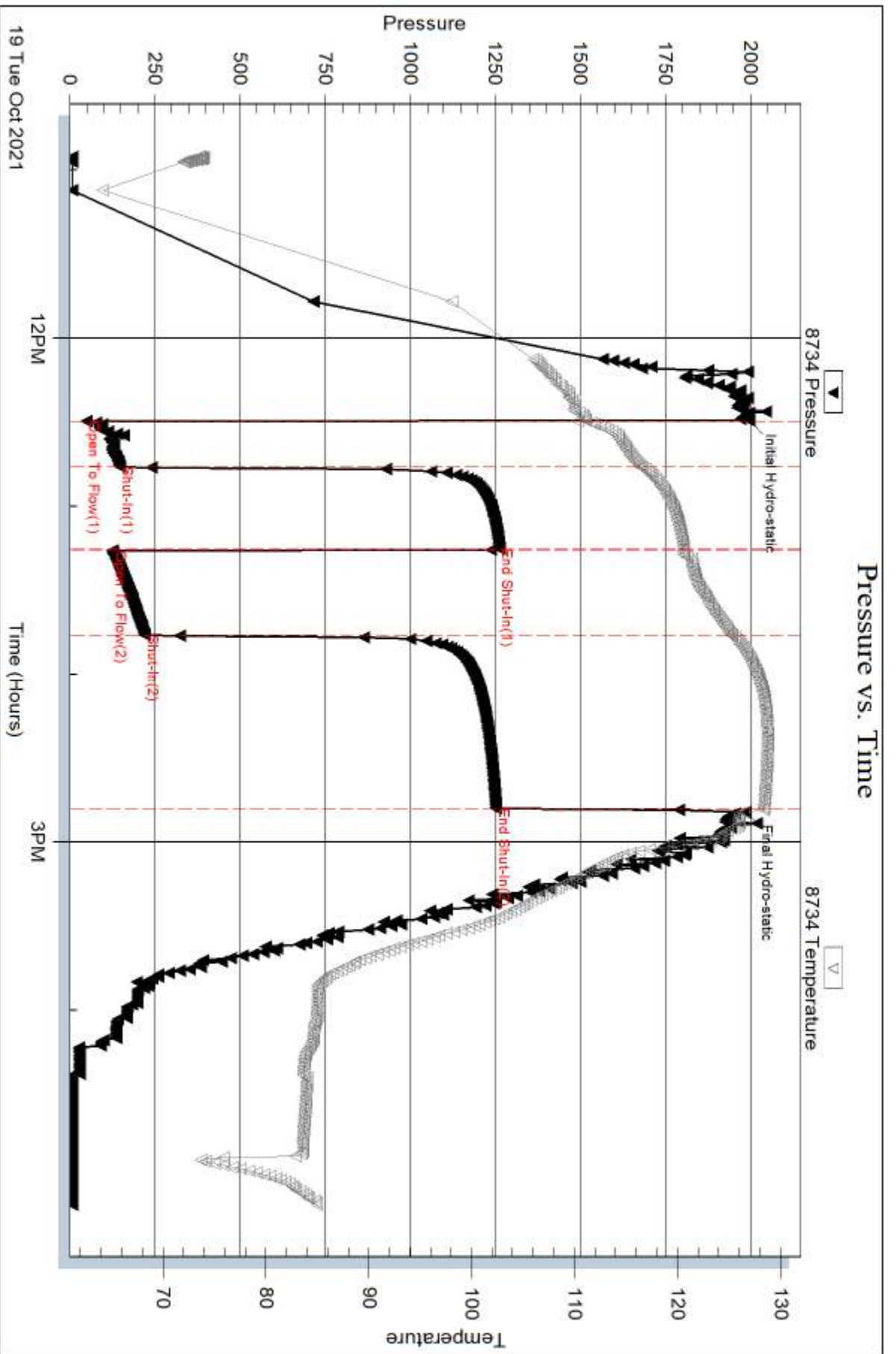
Mud Type: Gel Chem	Cushion Type:	Oil API: 33.8 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 32000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.17 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4200.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
340.00	OSMCW 3%O, 8%M, 89%W	3.694
60.00	GSOWM 8%G, 10%O, 22%W, 60%M	0.842
40.00	CO 100%O	0.561
0.00	120' GIP	0.000

Total Length: 440.00 ft Total Volume: 5.097 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Gravity of oil = 36.0 @ 82 degs corrected to 33.8 @ 60 degs
 RW=.179 @ 85.5 degs = 32,000PPM



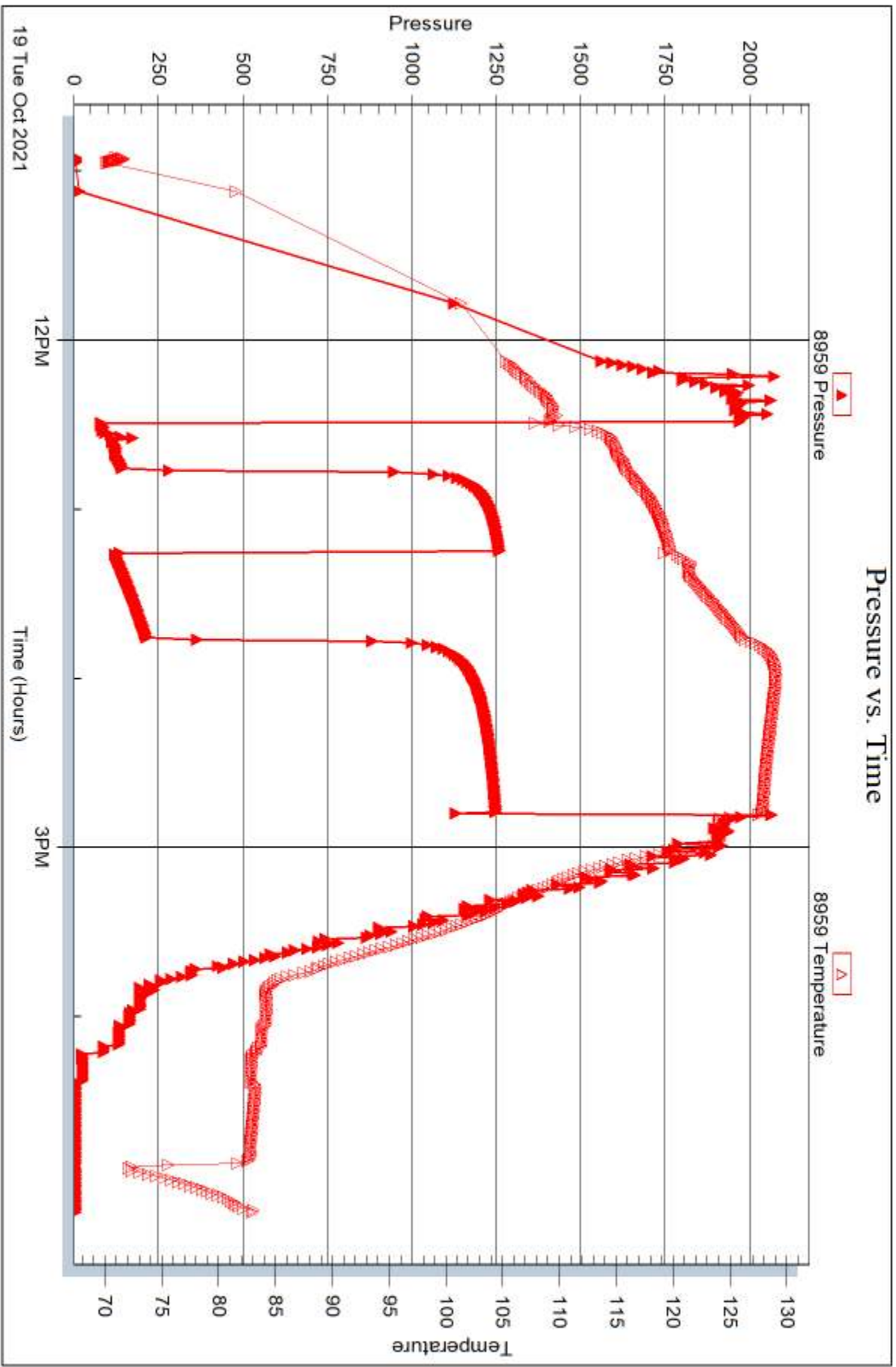
Serial #: 8959

Inside

Carmen Schmitt Inc

Sunny Lea #1-34

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 67121

Printed: 2021.10.27 @ 16:08:56



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Sunny Lea #1-34

34-8S.-31W Thomas,KS

Start Date: 2021.10.20 @ 00:40:00

End Date: 2021.10.20 @ 05:57:39

Job Ticket #: 67122 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.10.27 @ 16:08:22

Carmen Schmitt Inc

34-8S.-31W Thomas,KS

Sunny Lea #1-34

DST # 5

Lansing " F "

2021.10.20



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

34-8S.-31W Thomas,KS

Sunny Lea #1-34

Job Ticket: 67122

DST#: 5

Test Start: 2021.10.20 @ 00:40:00

GENERAL INFORMATION:

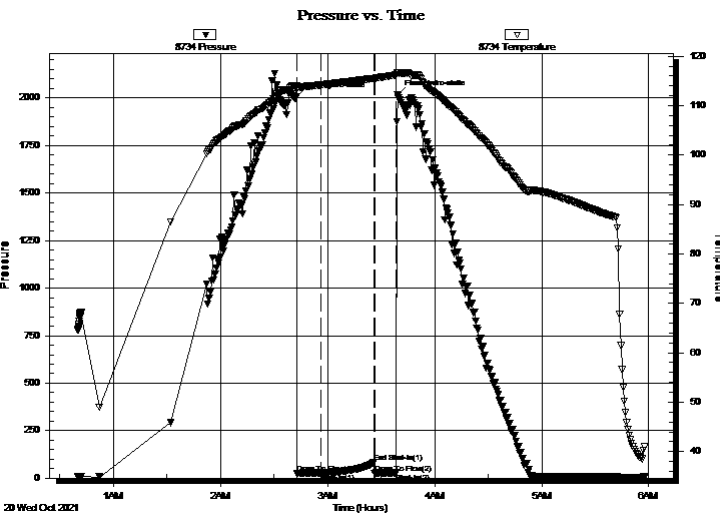
Formation: **Lansing " F "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:42:50
 Time Test Ended: 05:57:39
 Interval: **4100.00 ft (KB) To 4115.00 ft (KB) (TVD)**
 Total Depth: 4115.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: 3001.00 ft (KB)
 2991.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8734

Outside

Press@RunDepth: 26.89 psig @ 4101.00 ft (KB)
 Start Date: 2021.10.20 End Date: 2021.10.20
 Start Time: 00:40:01 End Time: 05:57:40
 Capacity: 8000.00 psig
 Last Calib.: 2021.10.20
 Time On Btm: 2021.10.20 @ 02:42:40
 Time Off Btm: 2021.10.20 @ 03:39:20

TEST COMMENT: 15-IF-Blow built to 1/4"
 30-ISI-No return
 10-FF-No blow , Pull Tools



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2005.91	114.09	Initial Hydro-static
1	25.03	113.24	Open To Flow (1)
14	26.89	114.21	Shut-In(1)
44	83.11	115.54	End Shut-In(1)
44	26.71	115.51	Open To Flow (2)
56	27.72	116.19	Shut-In(2)
57	2016.41	116.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	100% Mud w /Oil Scum	0.01

* 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
ATTN: Brad Rine

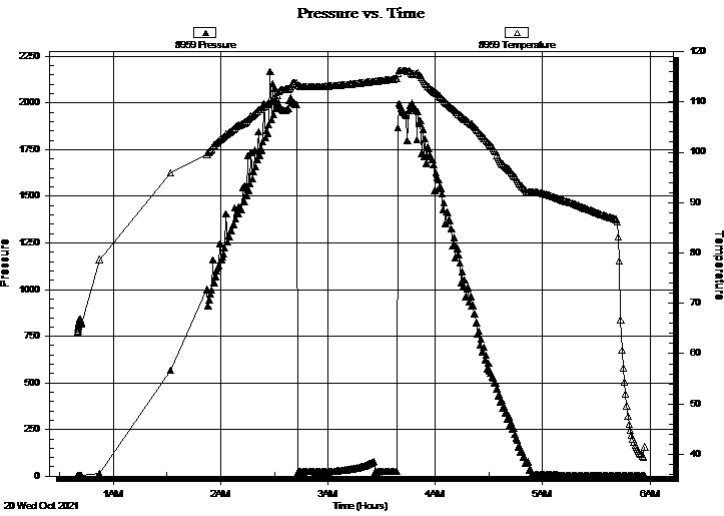
34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67122 **DST#: 5**
Test Start: 2021.10.20 @ 00:40:00

GENERAL INFORMATION:

Formation: **Lansing " F "**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 02:42:50 Tester: Martine Salinas
Time Test Ended: 05:57:39 Unit No: 82
Interval: 4100.00 ft (KB) To 4115.00 ft (KB) (TVD) Reference Elevations: 3001.00 ft (KB)
Total Depth: 4115.00 ft (KB) (TVD) 2991.00 ft (CF)
Hole Diameter: 7.88 inchesHole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8959 Inside
Press@RunDepth: psig @ 4101.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.10.20 End Date: 2021.10.20 Last Calib.: 2021.10.20
Start Time: 00:40:01 End Time: 05:57:30 Time On Btm:
Time Off Btm:

TEST COMMENT: 15-IF-Blow built to 1/4"
30-ISI-No return
10-FF-No blow , Pull Tools



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

Recovery		
Length (ft)	Description	Volume (bbl)
2.00	100% Mud w /Oil Scum	0.01

* 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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67122 **DST#: 5**
Test Start: 2021.10.20 @ 00:40:00

Tool Information

Drill Pipe:	Length: 3972.00 ft	Diameter: 3.80 inches	Volume: 55.72 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 56.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4100.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	43.00 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			4073.00	
Shut In Tool	5.00			4078.00	
Hydraulic tool	5.00	1018		4083.00	
Jars	5.00	01-07		4088.00	
Safety Joint	3.00	-001		4091.00	
Packer	5.00			4096.00	28.00 Bottom Of Top Packer
Packer	4.00			4100.00	
Packer - Shale	0.00			4100.00	
Stubb	1.00			4101.00	
Recorder	0.00	8959	Inside	4101.00	
Recorder	0.00	8734	Outside	4101.00	
Perforations	9.00			4110.00	
Bullnose	5.00			4115.00	15.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67122 **DST#: 5**
Test Start: 2021.10.20 @ 00:40:00

Mud and Cushion Information

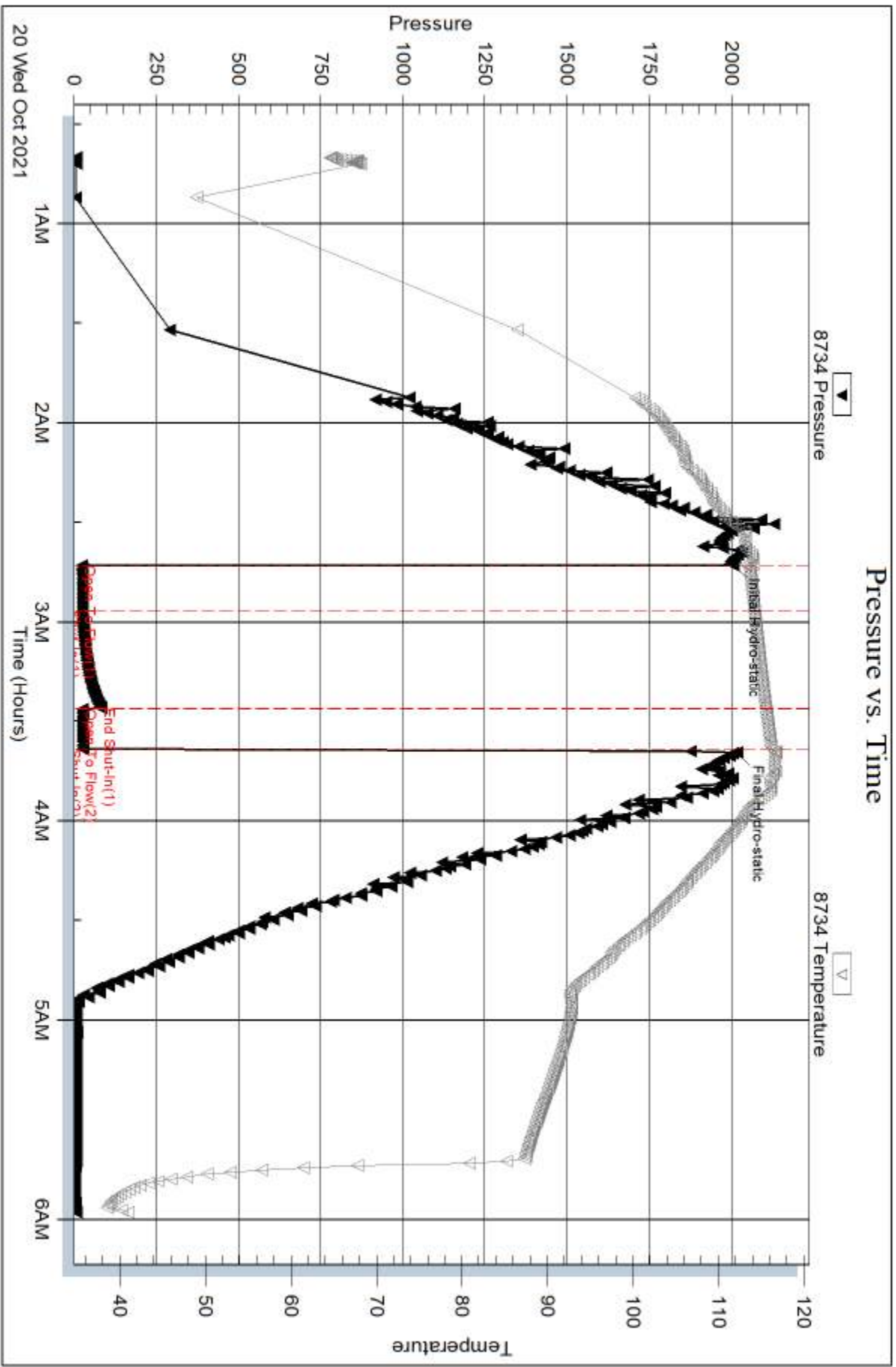
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	100% Mud w /Oil Scum	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:



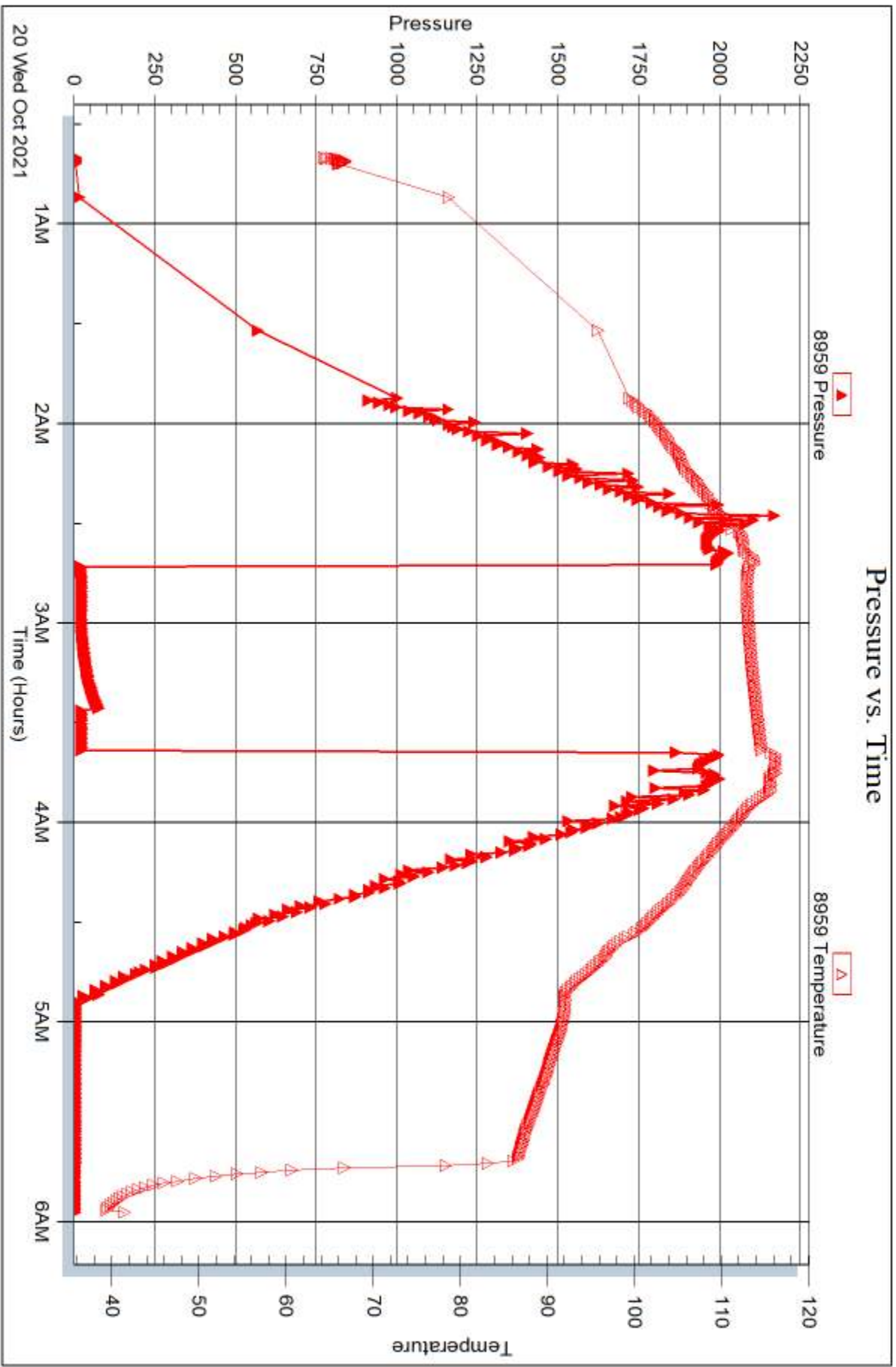
Serial #: 8959

Inside

Carmen Schmitt Inc

Sunny Lea #1-34

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 67122

Printed: 2021.10.27 @ 16:08:23



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Sunny Lea #1-34

34-8S.-31W Thomas,KS

Start Date: 2021.10.20 @ 17:45:00

End Date: 2021.10.20 @ 22:18:00

Job Ticket #: 67123 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.10.27 @ 15:24:55

Carmen Schmitt Inc

34-8S.-31W Thomas,KS

Sunny Lea #1-34

DST # 6

LKC " H "

2021.10.20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

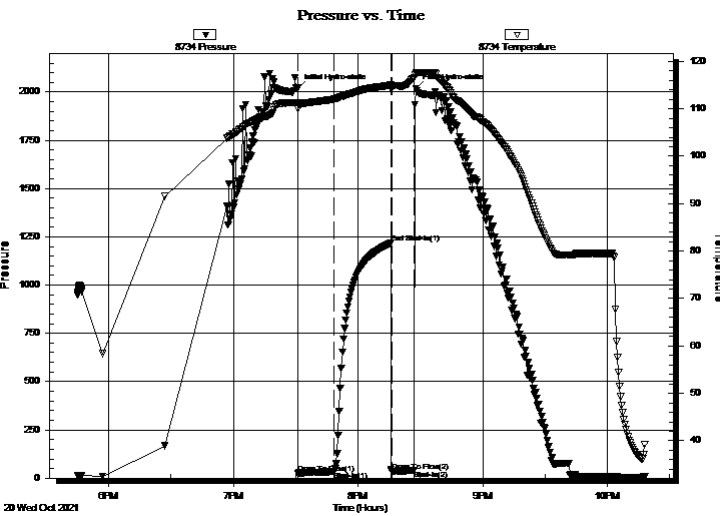
34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67123 **DST#: 6**
Test Start: 2021.10.20 @ 17:45:00

GENERAL INFORMATION:

Formation: **LKC " H "**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 19:31:10 Tester: Martine Salinas
Time Test Ended: 22:18:00 Unit No: 81
Interval: 4148.00 ft (KB) To 4194.00 ft (KB) (TVD) Reference Elevations: 3001.00 ft (KB)
Total Depth: 4194.00 ft (KB) (TVD) 2991.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8734 Outside
Press@RunDepth: 33.62 psig @ 4149.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.10.20 End Date: 2021.10.20 Last Calib.: 2021.10.20
Start Time: 17:45:01 End Time: 22:18:00 Time On Btm: 2021.10.20 @ 19:31:00
Time Off Btm: 2021.10.20 @ 20:28:00

TEST COMMENT: 15-IF-S.blow built to 1/4"
30-ISI-No return
10-FF-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2019.34	111.36	Initial Hydro-static
1	23.98	110.09	Open To Flow (1)
18	33.62	112.00	Shut-In(1)
45	1217.80	114.98	End Shut-In(1)
46	34.83	114.56	Open To Flow (2)
57	40.20	116.45	Shut-In(2)
57	2017.65	117.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100 % Mud	0.05

* 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
 ATTN: Brad Rine

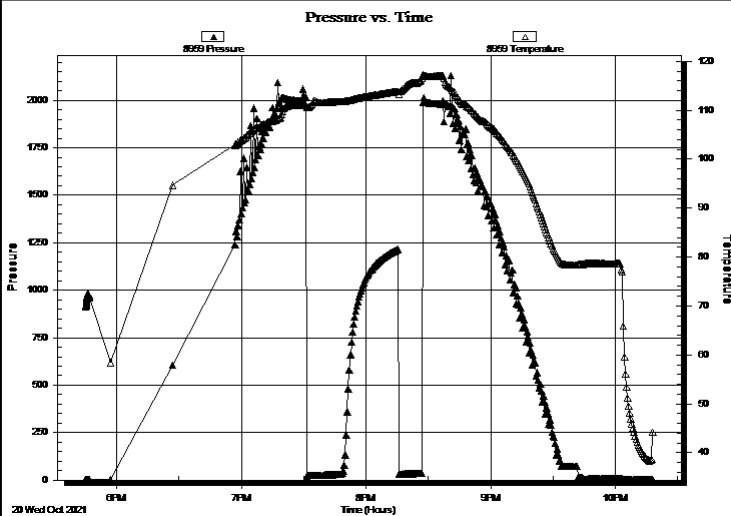
34-8S.-31W Thomas,KS
Sunny Lea #1-34
 Job Ticket: 67123 **DST#: 6**
 Test Start: 2021.10.20 @ 17:45:00

GENERAL INFORMATION:

Formation: **LKC "H"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:31:10
 Time Test Ended: 22:18:00
 Interval: **4148.00 ft (KB) To 4194.00 ft (KB) (TVD)**
 Total Depth: 4194.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 81
 Reference Elevations: 3001.00 ft (KB)
 2991.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8959 **Inside**
 Press@RunDepth: psig @ 4149.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.10.20 End Date: 2021.10.20 Last Calib.: 2021.10.20
 Start Time: 17:45:01 End Time: 22:18:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15-IF-S.blow built to 1/4"
 30-ISI-No return
 10-FF-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100 % Mud	0.05

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
ATTN: Brad Rine

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67123 **DST#: 6**
Test Start: 2021.10.20 @ 17:45:00

Tool Information

Drill Pipe:	Length: 4036.00 ft	Diameter: 3.80 inches	Volume: 56.61 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	72000.00 lb
			<u>Total Volume: 57.19 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4148.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	46.00 ft				
Tool Length:	74.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

Shut In Tool	5.00			4125.00	
Hydraulic tool	5.00	1018		4130.00	
Jars	5.00	01-07		4135.00	
Safety Joint	3.00	-001		4138.00	
Packer	5.00			4143.00	28.00 Bottom Of Top Packer
Packer	5.00			4148.00	
Stubb	1.00			4149.00	
Recorder	0.00	8959	Inside	4149.00	
Recorder	0.00	8734	Outside	4149.00	
Perforations	6.00			4155.00	
Change Over Sub	1.00			4156.00	
Drill Pipe	32.00			4188.00	
Change Over Sub	1.00			4189.00	
Bullnose	5.00			4194.00	46.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67123 **DST#: 6**
Test Start: 2021.10.20 @ 17:45:00

Mud and Cushion Information

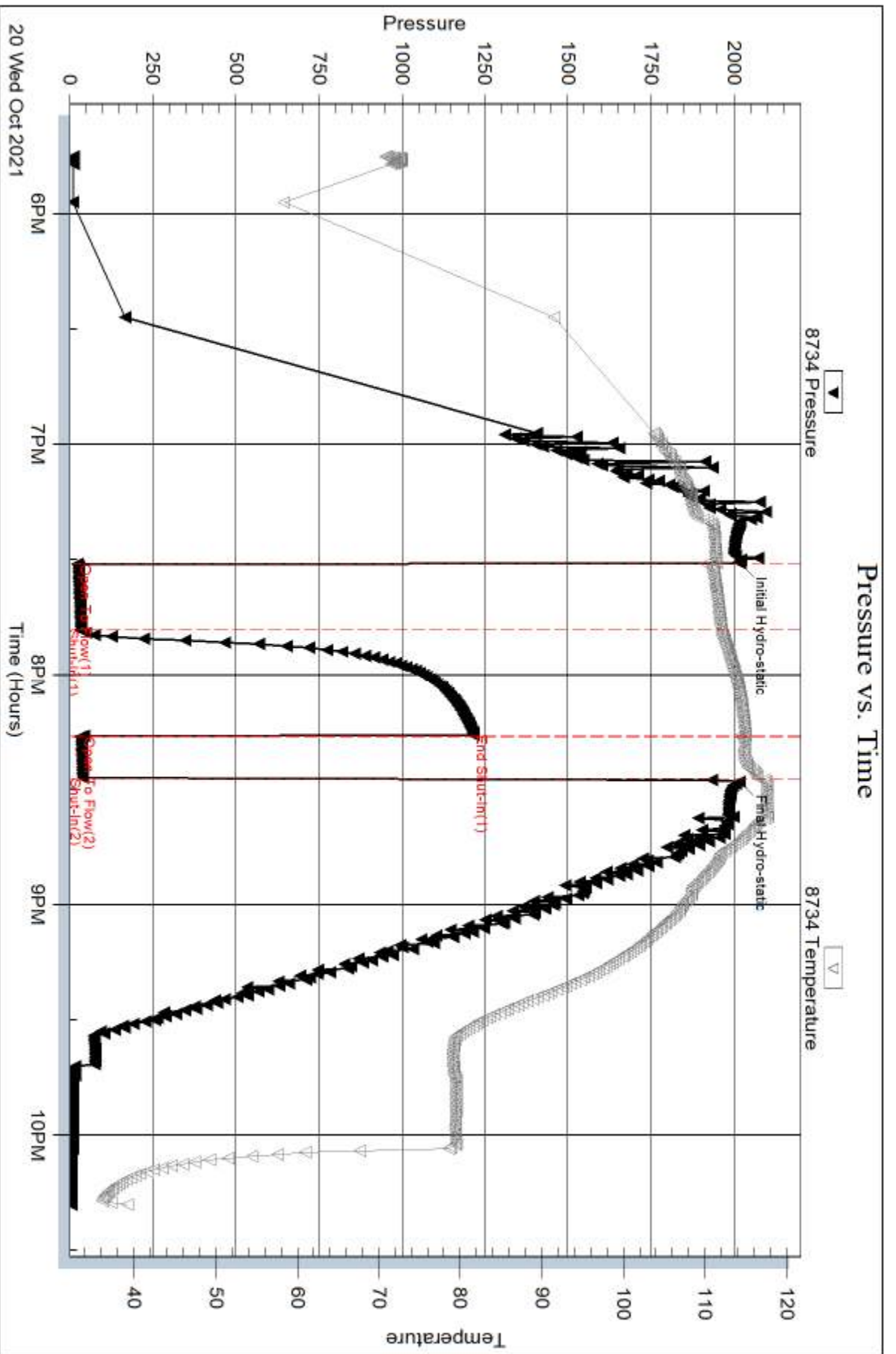
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100 % Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



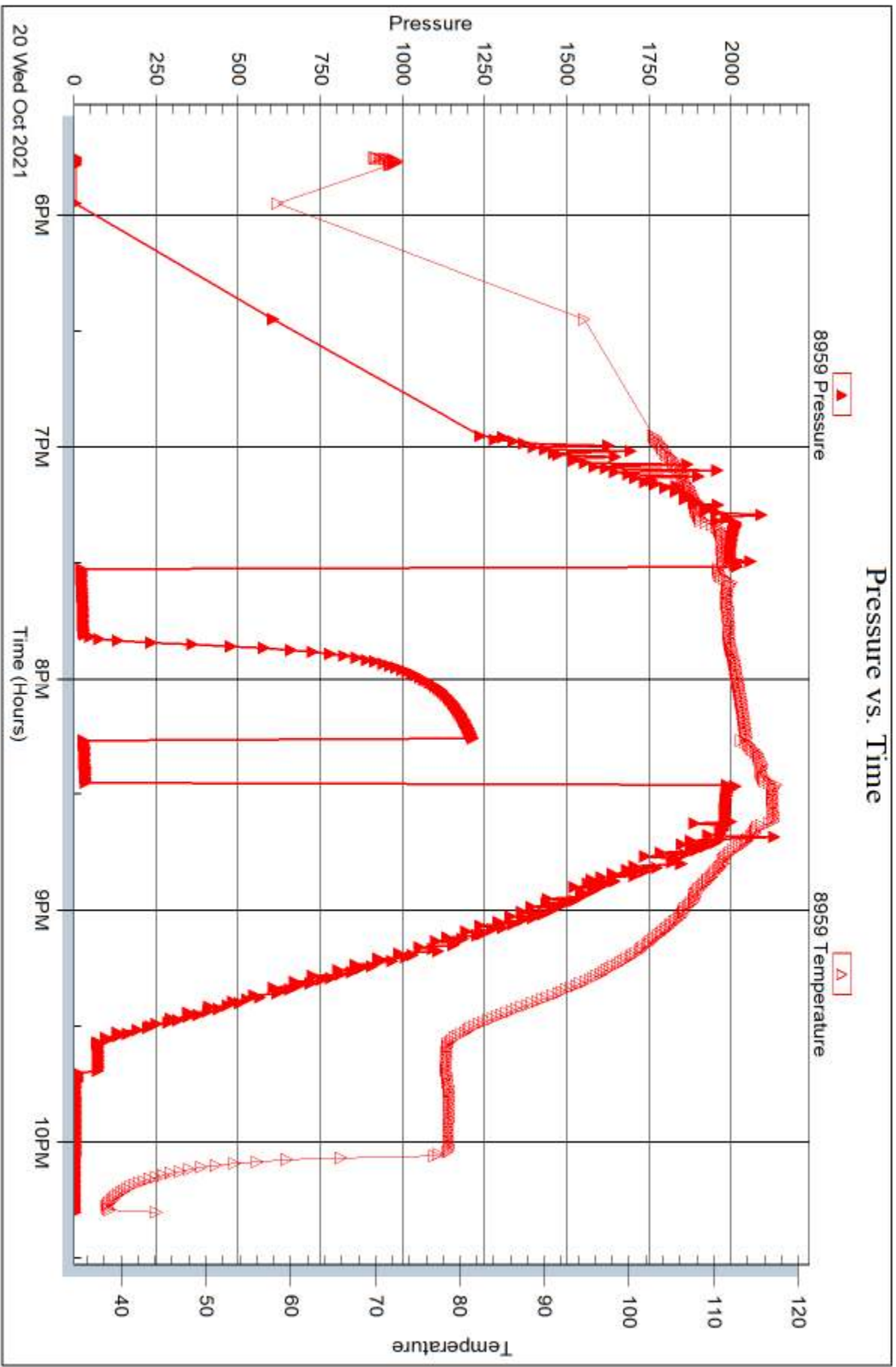
Serial #: 8959

Inside

Carmen Schmitt Inc

Sunny Lea #1-34

DST Test Number: 6



Triobite Testing, Inc

Ref. No: 67123

Printed: 2021.10.27 @ 15:28:50



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Sunny Lea #1-34

34-8S.-31W Thomas,KS

Start Date: 2021.10.21 @ 12:05:00

End Date: 2021.10.21 @ 16:45:30

Job Ticket #: 67124 DST #: 7

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.10.27 @ 15:23:01

Carmen Schmitt Inc
34-8S.-31W Thomas,KS
Sunny Lea #1-34
DST # 7
LKC-"1"-K"
2021.10.21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

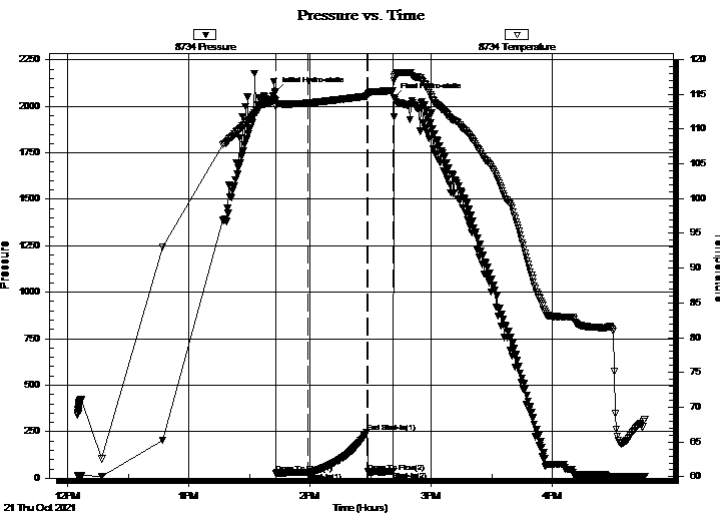
34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67124 **DST#: 7**
Test Start: 2021.10.21 @ 12:05:00

GENERAL INFORMATION:

Formation: **LKC "I - K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:43:00
Time Test Ended: 16:45:30
Interval: **4185.00 ft (KB) To 4270.00 ft (KB) (TVD)**
Total Depth: 4270.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Martine Salinas
Unit No: 81
Reference Elevations: 3001.00 ft (KB)
2991.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8734 Outside
Press@RunDepth: 31.24 psig @ 4186.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.10.21 End Date: 2021.10.21 Last Calib.: 2021.10.21
Start Time: 12:05:01 End Time: 16:45:30 Time On Btm: 2021.10.21 @ 13:42:50
Time Off Btm: 2021.10.21 @ 14:41:40

TEST COMMENT: 15-IF-Surface blow built to 1/4"
30-ISI-No return
10-FF-No blow pull tools



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2077.85	114.11	Initial Hydro-static
1	27.21	113.20	Open To Flow (1)
17	31.24	113.73	Shut-In(1)
46	245.43	114.73	End Shut-In(1)
46	33.19	115.03	Open To Flow (2)
59	35.47	115.53	Shut-In(2)
59	2046.37	117.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 15%O, 85%M	0.02

* 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
 ATTN: Brad Rine

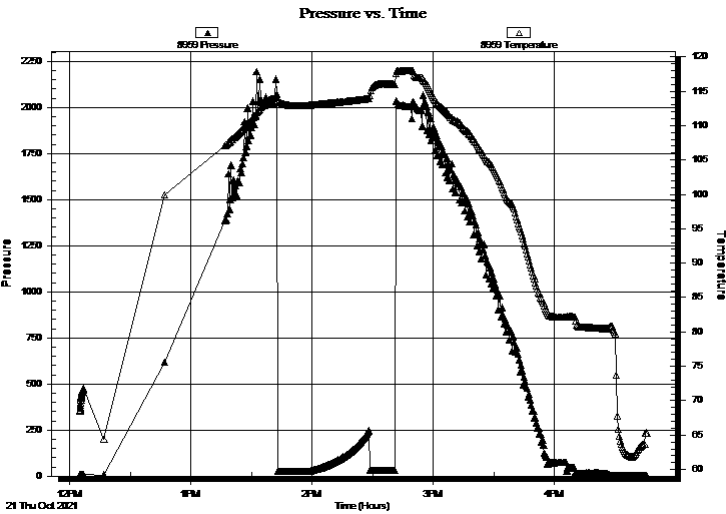
34-8S.-31W Thomas,KS
Sunny Lea #1-34
 Job Ticket: 67124 **DST#: 7**
 Test Start: 2021.10.21 @ 12:05:00

GENERAL INFORMATION:

Formation: **LKC "I - K "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:43:00
 Time Test Ended: 16:45:30
 Interval: **4185.00 ft (KB) To 4270.00 ft (KB) (TVD)**
 Total Depth: 4270.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 81
 Reference Elevations: 3001.00 ft (KB)
 2991.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8959 Inside
 Press@RunDepth: psig @ 4186.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.10.21 End Date: 2021.10.21 Last Calib.: 2021.10.21
 Start Time: 12:05:01 End Time: 16:45:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15-IF-Surface blow built to 1/4"
 30-ISI-No return
 10-FF-No blow pull tools



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

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	OCM 15%O, 85%M	0.02

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
ATTN: Brad Rine

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67124 **DST#: 7**
Test Start: 2021.10.21 @ 12:05:00

Tool Information

Drill Pipe:	Length: 4068.00 ft	Diameter: 3.80 inches	Volume: 57.06 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 57.64 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4185.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	85.00 ft				
Tool Length:	113.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

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

Shut In Tool	5.00			4162.00	
Hydraulic tool	5.00	1018		4167.00	
Jars	5.00	01-07		4172.00	
Safety Joint	3.00	-001		4175.00	
Packer	5.00			4180.00	28.00 Bottom Of Top Packer
Packer	5.00			4185.00	
Stubb	1.00			4186.00	
Recorder	0.00	8959	Inside	4186.00	
Recorder	0.00	8734	Outside	4186.00	
Perforations	13.00			4199.00	
Change Over Sub	1.00			4200.00	
Drill Pipe	64.00			4264.00	
Change Over Sub	1.00			4265.00	
Bullnose	5.00			4270.00	85.00 Bottom Packers & Anchor

Total Tool Length: 113.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67124 **DST#: 7**
Test Start: 2021.10.21 @ 12:05:00

Mud and Cushion Information

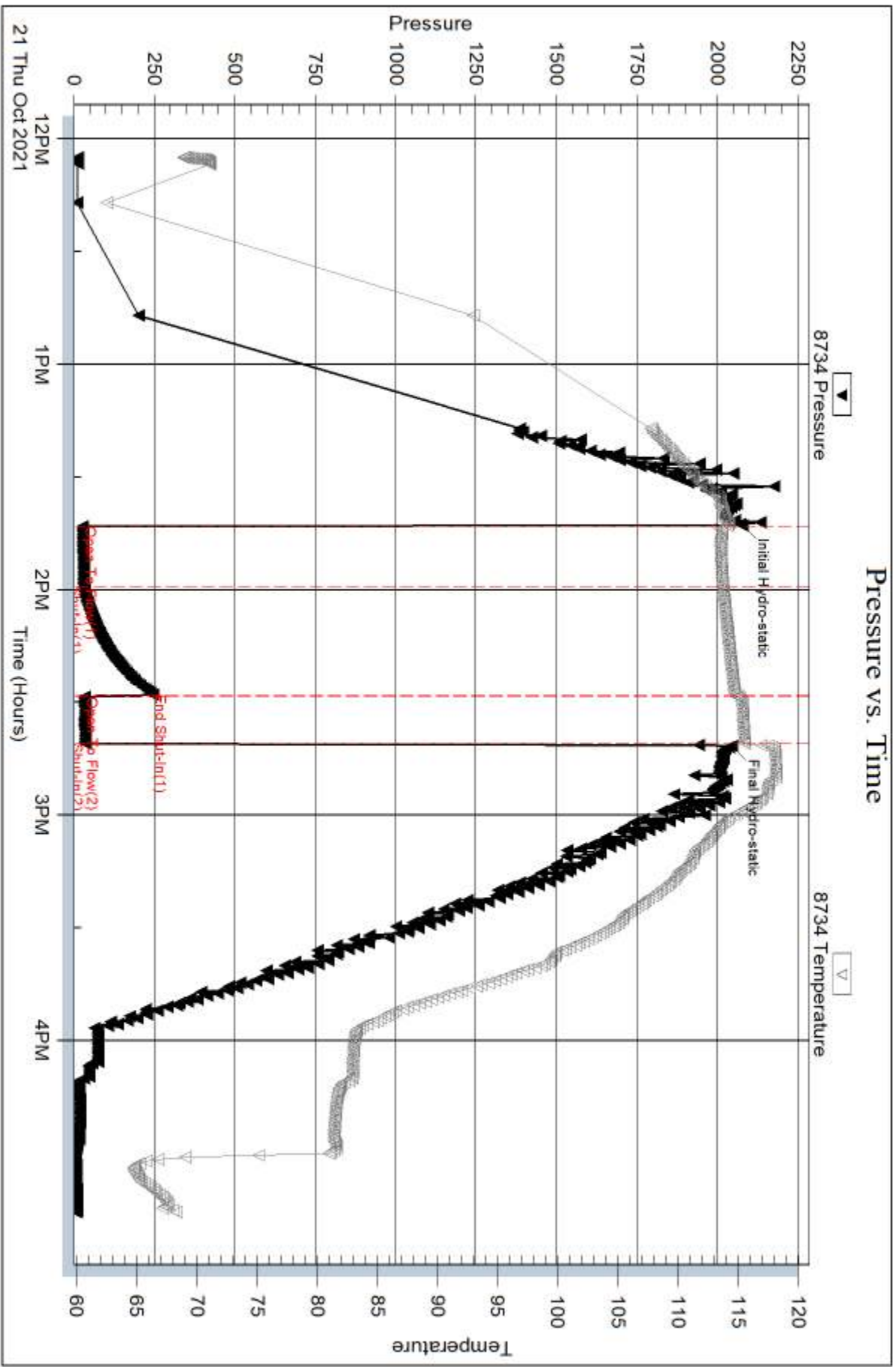
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 15%O, 85%M	0.025

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



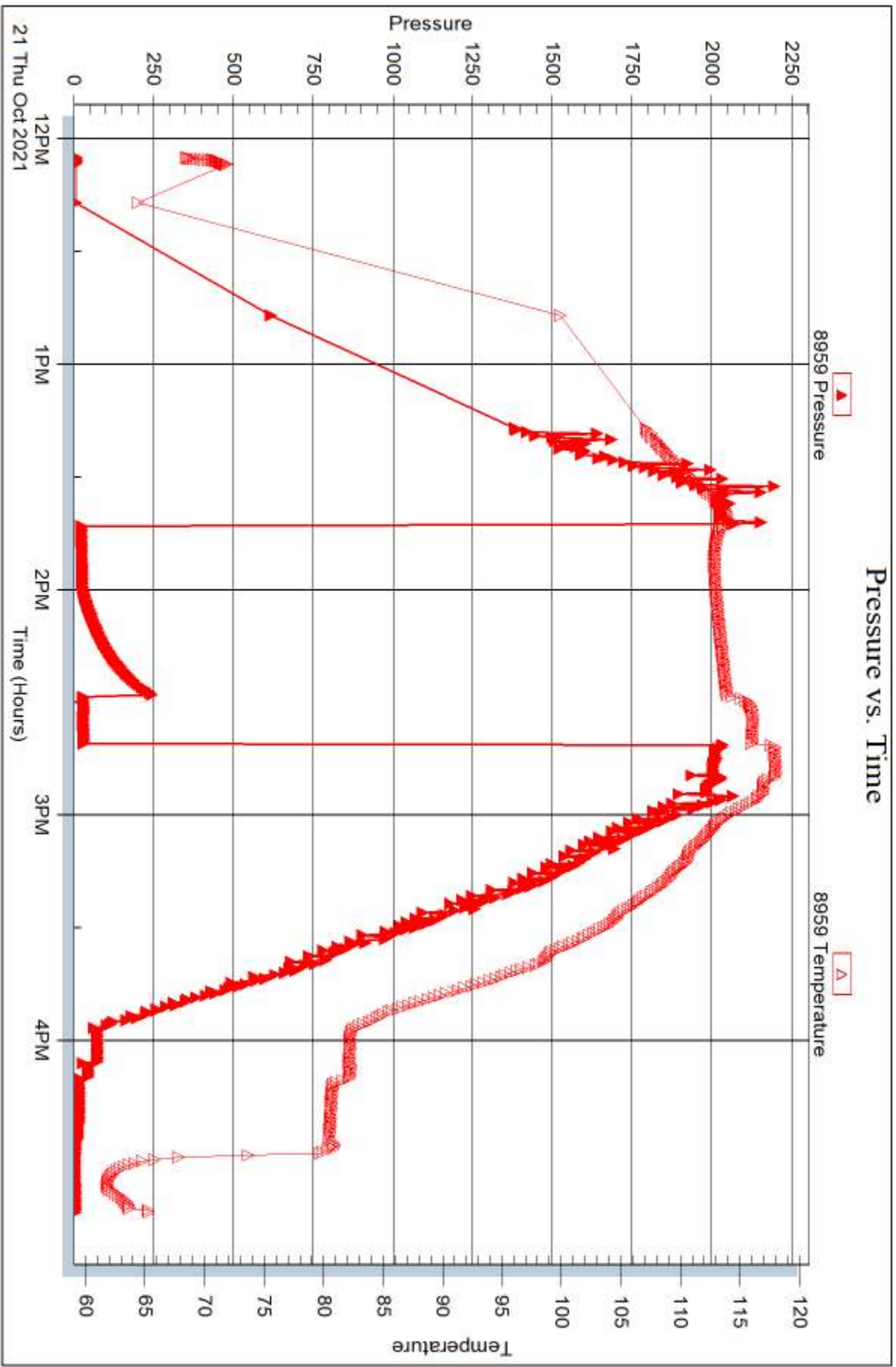
Serial #: 8959

Inside

Carmen Schmitt Inc

Sunny Lea #1-34

DST Test Number: 7





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Sunny Lea #1-34

34-8S.-31W Thomas,KS

Start Date: 2021.10.22 @ 10:24:00

End Date: 2021.10.22 @ 14:40:50

Job Ticket #: 67125 DST #: 8

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

Printed: 2021.10.27 @ 15:18:05

Carmen Schmitt Inc

34-8S.-31W Thomas,KS

Sunny Lea #1-34

DST # 8

Marmaton,Altamont

2021.10.22



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
 Job Ticket: 67125 **DST#: 8**
 Test Start: 2021.10.22 @ 10:24:00

GENERAL INFORMATION:

Formation: **Marmaton,Altamont**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 12:05:40
 Tester: Martine Salinas
 Time Test Ended: 14:40:50
 Unit No: 81
Interval: 4296.00 ft (KB) To 4385.00 ft (KB) (TVD)
 Reference Elevations: 3001.00 ft (KB)
 Total Depth: 4385.00 ft (KB) (TVD)
 2991.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 10.00 ft

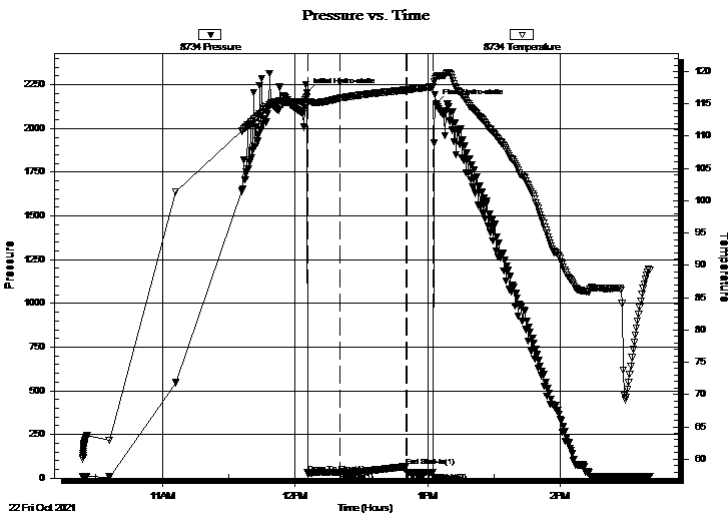
Serial #: 8734

Outside

Press@RunDepth: 31.88 psig @ 4297.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.10.22 End Date: 2021.10.22 Last Calib.: 2021.10.22
 Start Time: 10:24:01 End Time: 14:40:50 Time On Btm: 2021.10.22 @ 12:05:30
 Time Off Btm: 2021.10.22 @ 13:03:50

TEST COMMENT: 15-IF-Surface blow built to 1/4" & reduced to surface blow
 30-ISI-No return
 10-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2202.59	116.03	Initial Hydro-static
1	30.10	115.14	Open To Flow (1)
15	31.88	115.87	Shut-In(1)
45	67.00	117.15	End Shut-In(1)
46	32.16	117.16	Open To Flow (2)
57	32.94	117.64	Shut-In(2)
59	2140.77	119.11	Final Hydro-static

Recovery

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

* 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
 ATTN: Brad Rine

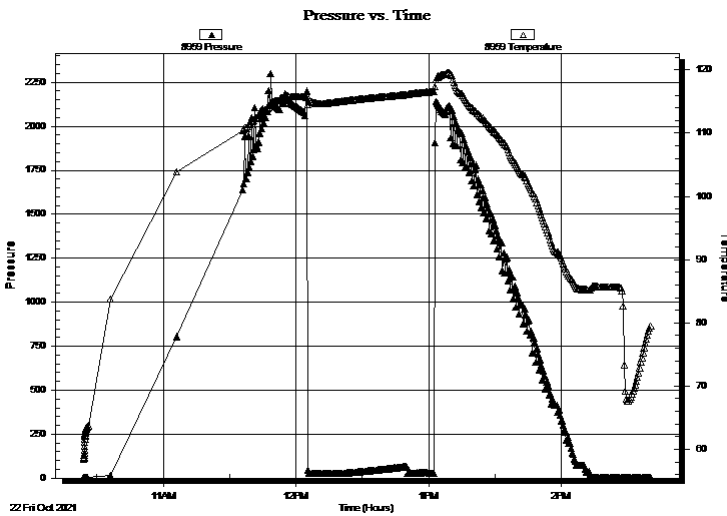
34-8S.-31W Thomas,KS
Sunny Lea #1-34
 Job Ticket: 67125 **DST#: 8**
 Test Start: 2021.10.22 @ 10:24:00

GENERAL INFORMATION:

Formation: **Marmaton,Altamont**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 12:05:40 Tester: Martine Salinas
 Time Test Ended: 14:40:50 Unit No: 81
Interval: 4296.00 ft (KB) To 4385.00 ft (KB) (TVD) Reference Elevations: 3001.00 ft (KB)
 Total Depth: 4385.00 ft (KB) (TVD) 2991.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8959 Inside
 Press@RunDepth: psig @ 4297.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.10.22 End Date: 2021.10.22 Last Calib.: 2021.10.22
 Start Time: 10:24:01 End Time: 14:40:40 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15-IF-Surface blow built to 1/4" & reduced to surface blow
 30-ISI-No return
 10-No blow



PRESSURE SUMMARY

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

Recovery

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

* 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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67125 **DST#: 8**
Test Start: 2021.10.22 @ 10:24:00

Tool Information

Drill Pipe:	Length: 4162.00 ft	Diameter: 3.80 inches	Volume: 58.38 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 58.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4296.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	117.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			4273.00	
Hydraulic tool	5.00	1018		4278.00	
Jars	5.00	01-07		4283.00	
Safety Joint	3.00	-001		4286.00	
Packer	5.00			4291.00	28.00 Bottom Of Top Packer
Packer	5.00			4296.00	
Stubb	1.00			4297.00	
Recorder	0.00	8959	Inside	4297.00	
Recorder	0.00	8734	Outside	4297.00	
Perforations	17.00			4314.00	
Change Over Sub	1.00			4315.00	
Drill Pipe	64.00			4379.00	
Change Over Sub	1.00			4380.00	
Bullnose	5.00			4385.00	89.00 Bottom Packers & Anchor

Total Tool Length: 117.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 67125 **DST#: 8**
Test Start: 2021.10.22 @ 10:24:00

Mud and Cushion Information

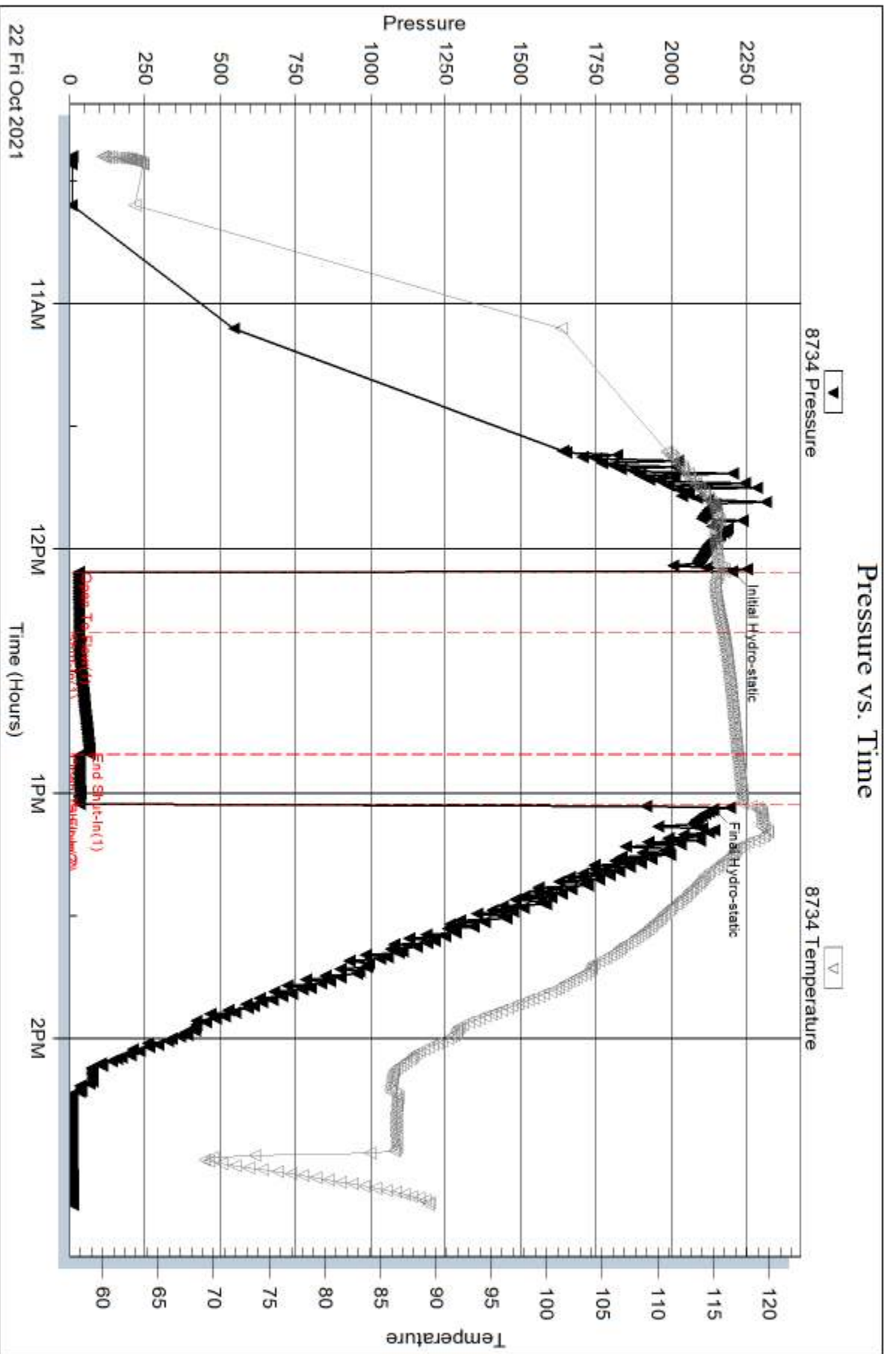
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	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:



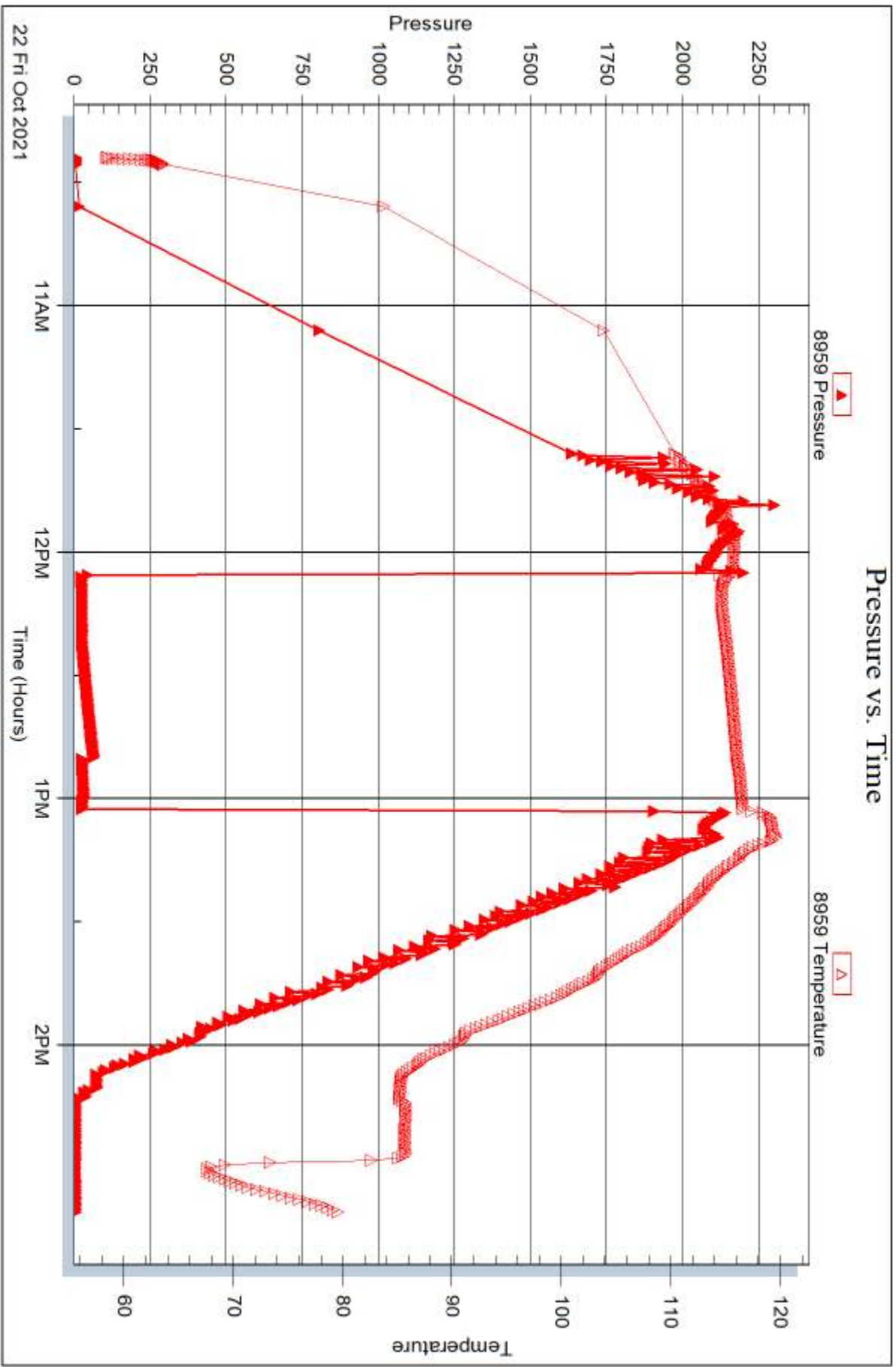
Serial #: 8959

Inside

Carmen Schmitt Inc

Sunny Lea #1-34

DST Test Number: 8



Trilobite Testing, Inc

Ref. No: 67125

Printed: 2021.10.27 @ 15:18:06



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Sunny Lea #1-34

34-8S.-31W Thomas,KS

Start Date: 2021.10.23 @ 00:33:00

End Date: 2021.10.23 @ 09:01:39

Job Ticket #: 68351 DST #: 9

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.10.27 @ 15:14:31



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

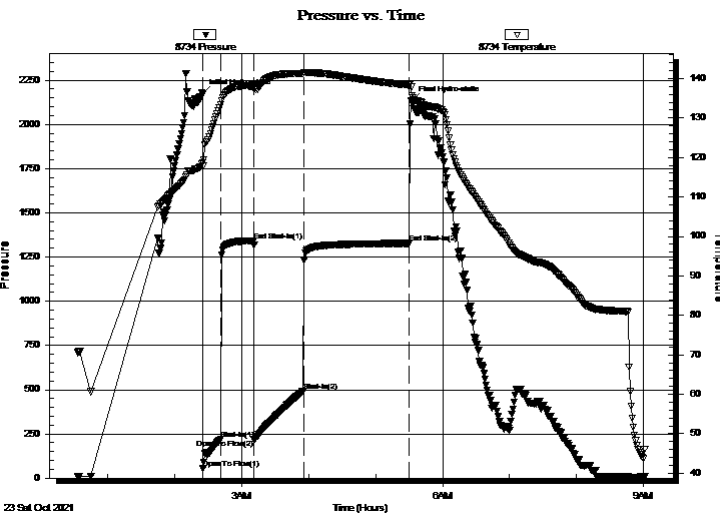
34-8S.-31W Thomas,KS
Sunny Lea #1-34
 Job Ticket: 68351 **DST#: 9**
 Test Start: 2021.10.23 @ 00:33:00

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 02:25:30
 Tester: Martine Salinas
 Time Test Ended: 09:01:39
 Unit No: 81
 Interval: **4395.00 ft (KB) To 4430.00 ft (KB) (TVD)**
 Reference Elevations: 3001.00 ft (KB)
 Total Depth: 4430.00 ft (KB) (TVD)
 2991.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 10.00 ft

Serial #: 8734 Outside
 Press@RunDepth: 493.10 psig @ 4396.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.10.23 End Date: 2021.10.23 Last Calib.: 2021.10.23
 Start Time: 00:33:01 End Time: 09:01:40 Time On Btm: 2021.10.23 @ 02:25:20
 Time Off Btm: 2021.10.23 @ 05:32:39

TEST COMMENT: 15-IF-B.O.B (11 inches) @ 5 mins (blow increased to 32 1/2")
 30-ISI-Return blow @ 5 mins built to 1"
 45-FF-B.O.B @ 7 mins (blow increased to 70")
 90-FSI-B.O.B @ 11 mins (blow increased to 47" & reduced to 42 1/4")



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2171.64	118.65	Initial Hydro-static
1	55.25	117.81	Open To Flow (1)
16	220.20	133.33	Shut-In(1)
46	1340.35	137.95	End Shut-In(1)
46	218.10	137.51	Open To Flow (2)
90	493.10	141.29	Shut-In(2)
185	1327.18	138.35	End Shut-In(2)
188	2133.97	135.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
540.00	MSW 5%M, 95%W	6.50
400.00	GOCMW 15%G,10%O,30%M,45%W	5.61
100.00	CGO 15%G, 85%O	1.40
0.00	1000' GIP	0.00

* 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
ATTN: Brad Rine

34-8S.-31W Thomas,KS

Sunny Lea #1-34

Job Ticket: 68351

DST#: 9

Test Start: 2021.10.23 @ 00:33:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:25:30

Time Test Ended: 09:01:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4395.00 ft (KB) To 4430.00 ft (KB) (TVD)

Total Depth: 4430.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3001.00 ft (KB)

2991.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8959

Inside

Press@RunDepth: psig @ 4396.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.10.23

End Date: 2021.10.23

Last Calib.: 2021.10.23

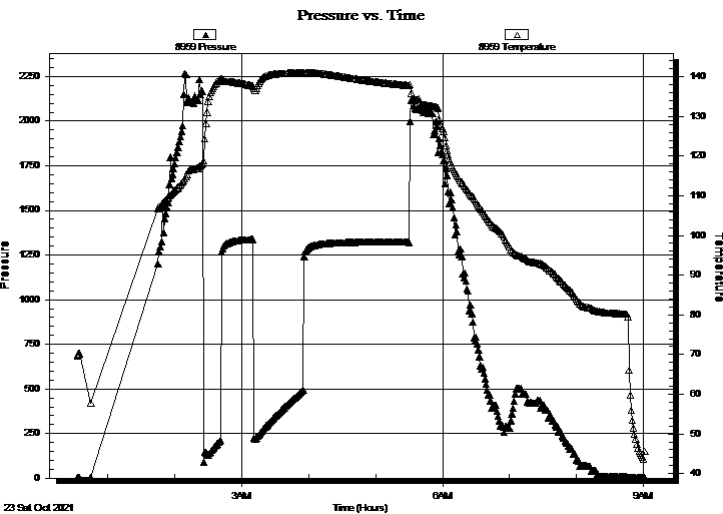
Start Time: 00:33:01

End Time: 09:01:40

Time On Btm:

Time Off Btm:

TEST COMMENT: 15-IF-B.O.B (11 inches) @ 5 mins (blow increased to 32 1/2")
30-ISI-Return blow @ 5 mins built to 1"
45-FF-B.O.B @ 7 mins (blow increased to 70")
90-FSI-B.O.B @ 11 mins (blow increased to 47" & reduced to 42 1/4")



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
540.00	MSW 5%M, 95%W	6.50
400.00	GOCMW 15%G, 10%O, 30%M, 45%W	5.61
100.00	CGO 15%G, 85%O	1.40
0.00	1000' GIP	0.00

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
ATTN: Brad Rine

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 68351 **DST#: 9**
Test Start: 2021.10.23 @ 00:33:00

Tool Information

Drill Pipe:	Length: 4258.00 ft	Diameter: 3.80 inches	Volume: 59.73 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4395.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	63.00 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			4368.00	
Shut In Tool	5.00			4373.00	
Hydraulic tool	5.00	1018		4378.00	
Jars	5.00	01-07		4383.00	
Safety Joint	3.00	-001		4386.00	
Packer	5.00			4391.00	28.00 Bottom Of Top Packer
Packer	4.00			4395.00	
Stubb	1.00			4396.00	
Recorder	0.00	8959	Inside	4396.00	
Recorder	0.00	8734	Outside	4396.00	
Perforations	29.00			4425.00	
Bullnose	5.00			4430.00	35.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 68351 **DST#: 9**
Test Start: 2021.10.23 @ 00:33:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 38.6 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 45000 ppm
Viscosity: 67.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.58 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4400.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

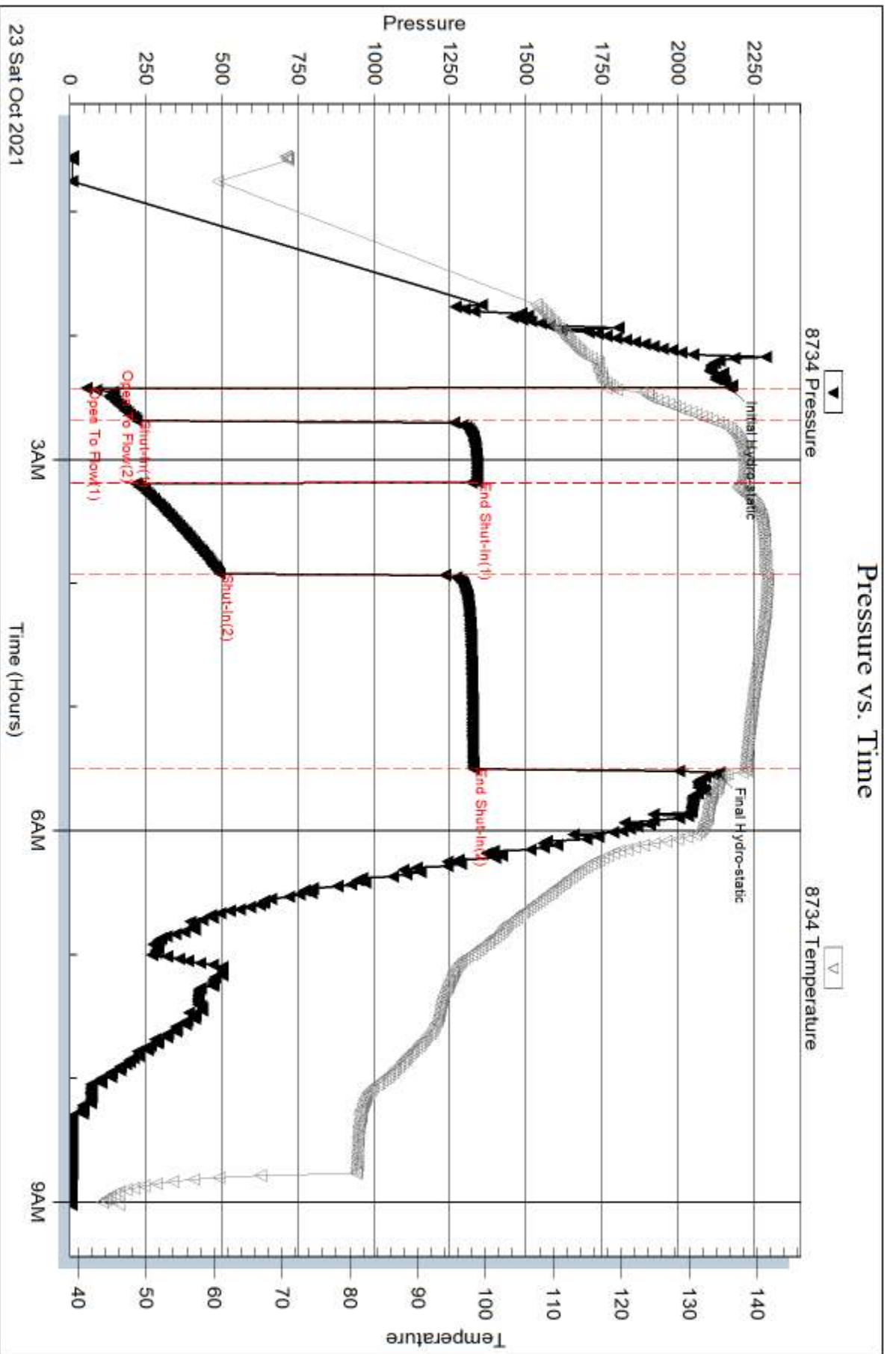
Length ft	Description	Volume bbl
540.00	MSW 5%M, 95%W	6.500
400.00	GOCMW 15%G,10%O,30%M,45%W	5.611
100.00	CGO 15%G, 85%O	1.403
0.00	1000' GIP	0.000

Total Length: 1040.00 ft Total Volume: 13.514 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity of oil = 36.6 @ 40 corrected to 38.6 @ 60 degs
RW=.290 @ 42.0 degs = 45,000 PPM



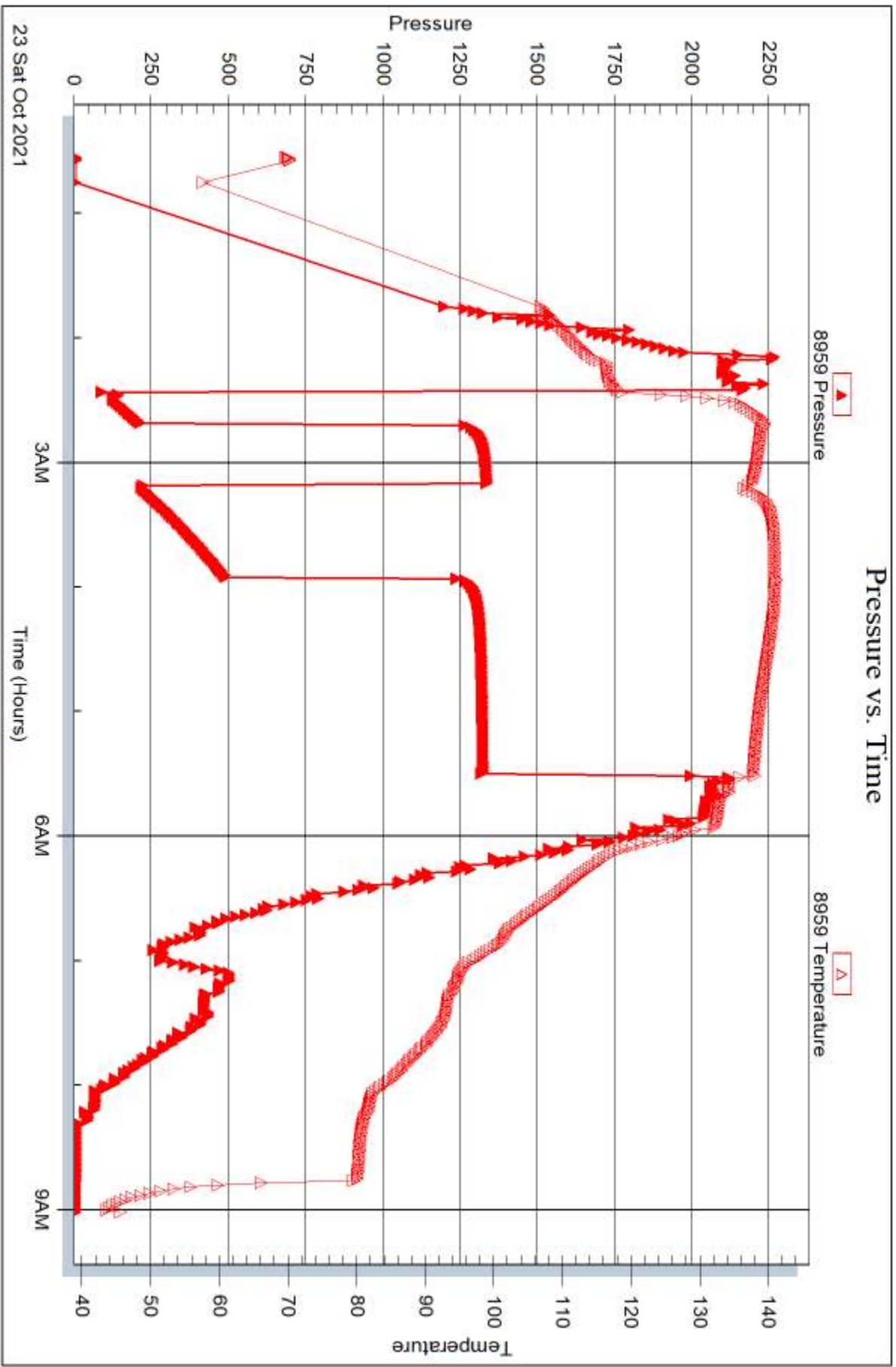
Serial #: 8959

Inside

Carmen Schmitt Inc

Sunny Lee #1-34

DST Test Number: 9



Trilobite Testing, Inc

Ref. No: 68351

Printed: 2021.10.27 @ 15:14:32



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Sunny Lea #1-34

34-8S.-31W Thomas,KS

Start Date: 2021.10.23 @ 19:00:00

End Date: 2021.10.23 @ 23:59:20

Job Ticket #: 68352 DST #: 10

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.10.27 @ 15:13:36



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

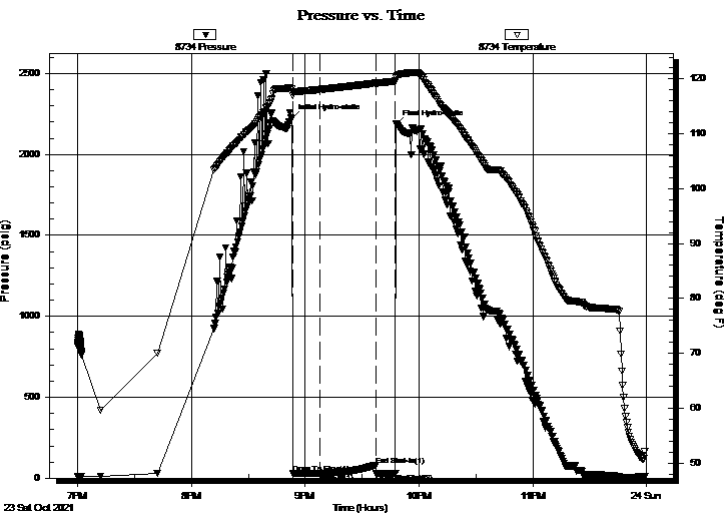
34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 68352 **DST#: 10**
Test Start: 2021.10.23 @ 19:00:00

GENERAL INFORMATION:

Formation: **Ft Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:53:20
Time Test Ended: 23:59:20
Interval: **4436.00 ft (KB) To 4484.00 ft (KB) (TVD)**
Total Depth: 4484.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Martine Salinas
Unit No: 81
Reference Elevations: 3001.00 ft (KB)
2991.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8734 Outside
Press@RunDepth: 29.77 psig @ 4437.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.10.23 End Date: 2021.10.23 Last Calib.: 2021.10.24
Start Time: 19:00:01 End Time: 23:59:20 Time On Btm: 2021.10.23 @ 20:53:10
Time Off Btm: 2021.10.23 @ 21:48:00

TEST COMMENT: 15-IF-blow built to 1/4"
30-ISI-No return
10-FF-No blow , Pull tools



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2222.54	118.13	Initial Hydro-static
1	28.38	116.94	Open To Flow (1)
15	29.77	118.08	Shut-In(1)
45	80.86	119.25	End Shut-In(1)
45	28.92	119.23	Open To Flow (2)
55	30.07	119.61	Shut-In(2)
55	2186.45	120.23	Final Hydro-static

Recovery

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

* 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
 ATTN: Brad Rine

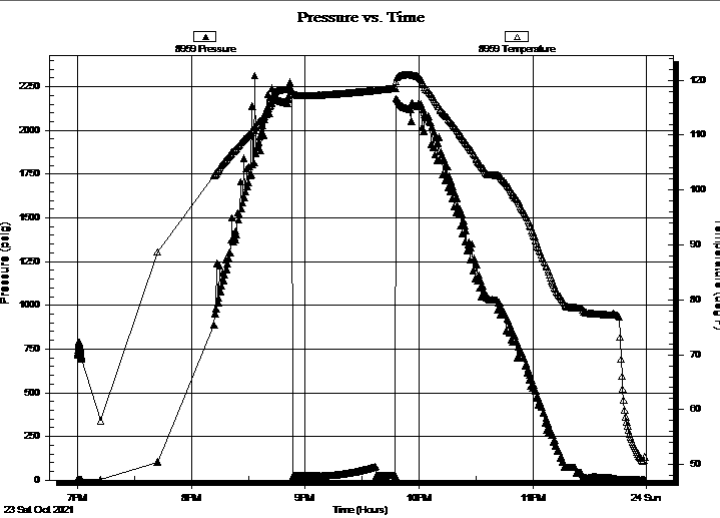
34-8S.-31W Thomas,KS
Sunny Lea #1-34
 Job Ticket: 68352 **DST#: 10**
 Test Start: 2021.10.23 @ 19:00:00

GENERAL INFORMATION:

Formation:	Ft Scott			Test Type:	Conventional Bottom Hole (Reset)
Deviated:	No Whipstock:	ft (KB)		Tester:	Martine Salinas
Time Tool Opened:	20:53:20			Unit No:	81
Time Test Ended:	23:59:20			Reference Elevations:	3001.00 ft (KB)
Interval:	4436.00 ft (KB) To 4484.00 ft (KB) (TVD)				2991.00 ft (CF)
Total Depth:	4484.00 ft (KB) (TVD)			KB to GR/CF:	10.00 ft
Hole Diameter:	7.88 inches			Hole Condition:	Good

Serial #: 8959	Inside	Capacity:	8000.00 psig
Press@RunDepth:	psig @ 4437.00 ft (KB)	Last Calib.:	2021.10.24
Start Date:	2021.10.23	End Date:	2021.10.23
Start Time:	19:00:01	End Time:	23:59:10
		Time On Btm:	
		Time Off Btm:	

TEST COMMENT: 15-IF-blow built to 1/4"
 30-ISI-No return
 10-FF-No blow , Pull tools



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

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

* 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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 68352 **DST#: 10**
Test Start: 2021.10.23 @ 19:00:00

Tool Information

Drill Pipe:	Length: 4321.00 ft	Diameter: 3.80 inches	Volume: 60.61 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 61.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4436.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	76.00 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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Shut In Tool	5.00			4413.00	
Hydraulic tool	5.00	1018		4418.00	
Jars	5.00	01-07		4423.00	
Safety Joint	3.00	-001		4426.00	
Packer	5.00			4431.00	28.00 Bottom Of Top Packer
Packer	5.00			4436.00	
Stubb	1.00			4437.00	
Recorder	0.00	8959	Inside	4437.00	
Recorder	0.00	8734	Outside	4437.00	
Perforations	8.00			4445.00	
Change Over Sub	1.00			4446.00	
Drill Pipe	32.00			4478.00	
Change Over Sub	1.00			4479.00	
Bullnose	5.00			4484.00	48.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

34-8S.-31W Thomas,KS
Sunny Lea #1-34
Job Ticket: 68352 **DST#: 10**
Test Start: 2021.10.23 @ 19:00:00

Mud and Cushion Information

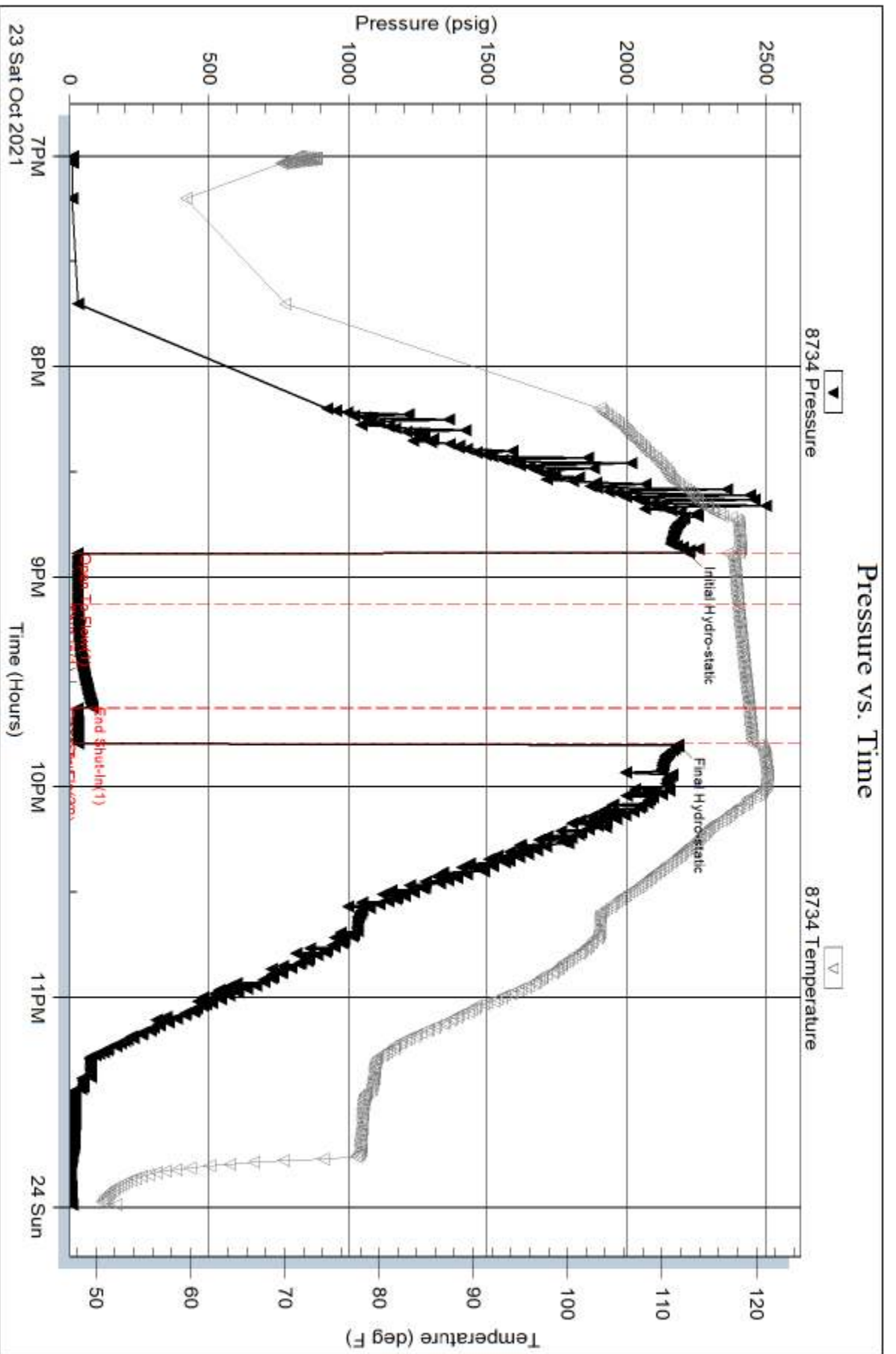
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4700.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	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:



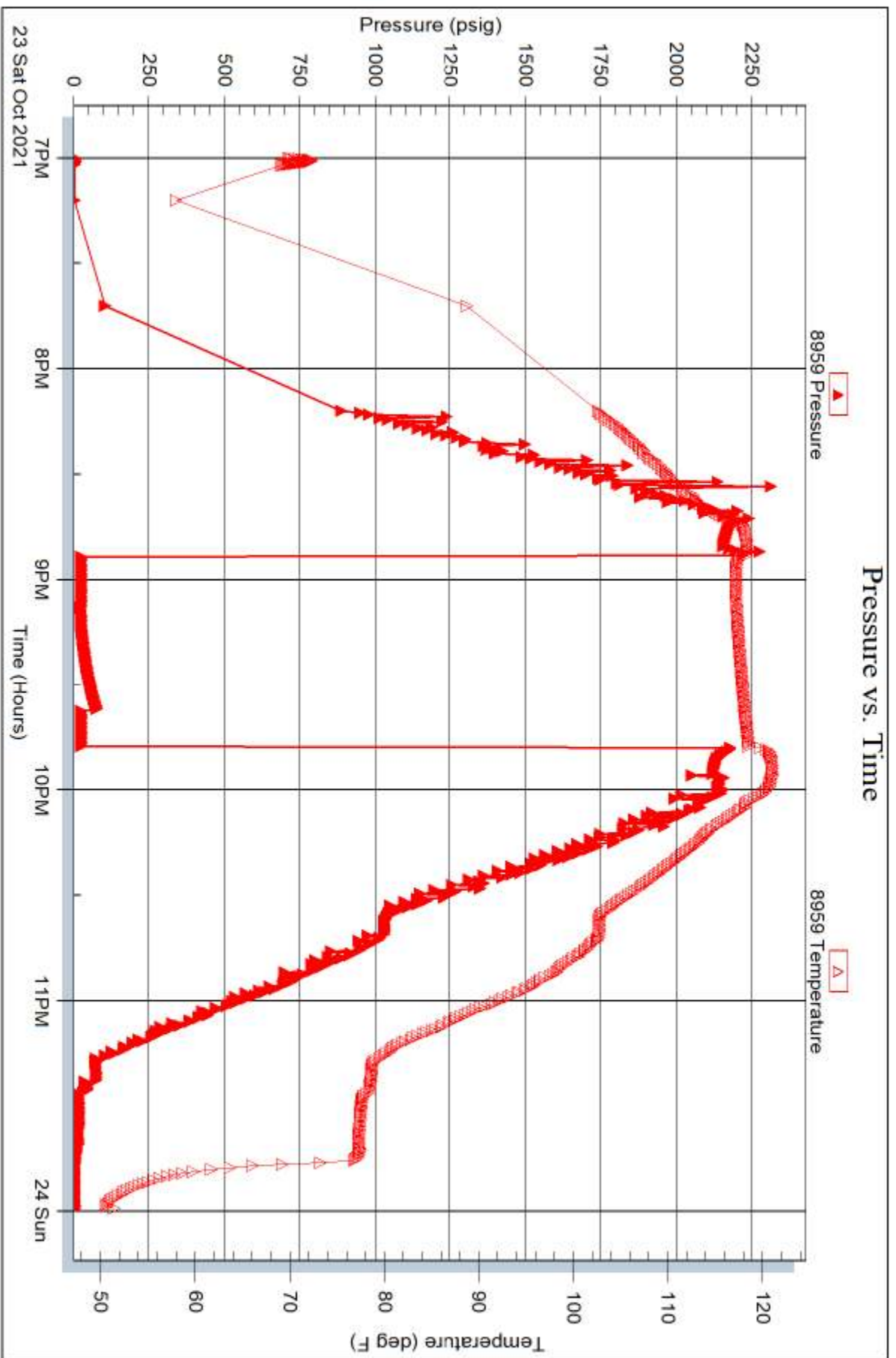
Serial #: 8959

Inside

Carmen Schmitt Inc

Sunny Lea #1-34

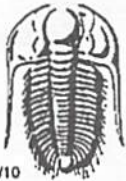
DST Test Number: 10



Trilobite Testing, Inc

Ref. No: 68352

Printed: 2021.10.27 @ 15:13:38



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67118

Well Name & No. Sunny Lea #1-34 Test No. 1 Date 10-17-21
 Company Carmen Schmitt Inc. Elevation 3001 KB 2991 GL
 Address P.O. Box 47 Great Bend, KS. 67530
 Co. Rep / Geo. Brad Rine Rig Southwind #8
 Location: Sec. 34 Twp 8 S. Rge. 31 W. Co. Thomas State KS.

Interval Tested 3993-4047 Zone Tested Toronto - Lansing "A"
 Anchor Length 54' Drill Pipe Run 3971 Mud Wt. 9.1
 Top Packer Depth 3988 Drill Collars Run — Vis 53
 Bottom Packer Depth 3993 Wt. Pipe Run — WL 6.4
 Total Depth 4047 Chlorides 3000 ppm System LCM 1#
 Blow Description IF - blow built to 3 1/4" @ 5 mins & maintained
ISS - No return.
FF - No blow, pull tools.
~~ESP.~~

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>SOSM</u>	<u>1</u>		<u>99</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 3 BHT 119 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>1969</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>20:00</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>21:16</u>
(C) First Final Flow <u>25</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>23:33</u>
(D) Initial Shut-In <u>363</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>01:28</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>02:47</u>
(F) Second Final Flow <u>26</u>	<input checked="" type="checkbox"/> Mileage <u>136 RT</u> 170	Comments
(G) Final Shut-In <u>—</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1961</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> EM Tool
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>10</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>—</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1945</u>
	Sub Total <u>1945</u>	MP/DST Disc't

Approved By _____ Our Representative Walter Johnson
 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. **67119**

Well Name & No. Sunny Lea #1-34 Test No. 2 Date 10-18-21
 Company Carmen Schmitt Inc. Elevation 3001 KB 2991 GL
 Address P.O. Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Brad Rine Rig Southwind #8
 Location: Sec. 34 Twp BS Rge. 31 W. Co. Thomas State KS

Interval Tested 4053-4080 Zone Tested Lansing "C"
 Anchor Length 27' Drill Pipe Run 4035 Mud Wt. 9.1
 Top Packer Depth 4048 Drill Collars Run — Vis 53
 Bottom Packer Depth 4053 Wt. Pipe Run — WL 7.2
 Total Depth 4080 Chlorides 3500 ppm System LCM 1#
 Blow Description IF - blow built to 1/4" & decreased to surface blow
ISI - No return.
FF - No blow, Pull tools.
EST.

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>Hydraulic Tool did not open</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 0 BHT — Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic — Test — T-On Location 12:15
 (B) First Initial Flow — Jars — T-Started 12:30
 (C) First Final Flow — Safety Joint — T-Open 13:58
 (D) Initial Shut-In — Circ Sub — T-Pulled 14:53
 (E) Second Initial Flow — Hourly Standby — T-Out 16:44
 (F) Second Final Flow — Mileage 136 RT Comments —
 (G) Final Shut-In — Sampler —
 (H) Final Hydrostatic — Straddle — EM Tool —
 Shale Packer — Ruined Shale Packer —
 Extra Packer — Ruined Packer —
 Extra Recorder — Extra Copies —
 Day Standby — Sub Total —
 Accessibility — Total —
 Sub Total — MP/DST Disc't —

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

Approved By _____ Our Representative Brad Rine
 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. **67120**

Well Name & No. Sunny Lea #1-34 Test No. 3 Date 10-18-21
 Company Carmen Schmitt Inc. Elevation 3001 KB 2991 GL
 Address P.O. Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Brad Rine Rig Southwind #8
 Location: Sec. 34 Twp S S. Rge. 31 W. Co. Thomas State KS.

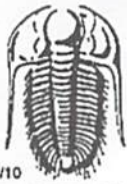
Interval Tested 4053-4080 Zone Tested Lansing "c"
 Anchor Length 27 Drill Pipe Run 4035 Mud Wt. 9.1
 Top Packer Depth 4048 Drill Collars Run — Vis 53
 Bottom Packer Depth 4653 Wt. Pipe Run — WL 7.2
 Total Depth 4080 Chlorides 3500 ppm System LCM 1#
 Blow Description IF - Weak surface blow
IST - No return.
FF - No blow, Pull Tools.
ESX.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud w/oil scum</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 30 BHT 116 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1989</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>20:30</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>21:50</u>
(C) First Final Flow <u>25</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00:34</u>
(D) Initial Shut-In <u>118</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>01:29</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>03:22</u>
(F) Second Final Flow <u>26</u>	<input checked="" type="checkbox"/> Mileage <u>136 RT</u> 170	Comments <u>Back to back test</u>
(G) Final Shut-In <u>—</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1984</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> EM Tool
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>10</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>—</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1945</u>
	Sub Total <u>1945</u>	MP/DST Disc't

Approved By _____ Our Representative Martin Johnson
 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. 67121

Well Name & No. Sunny Lea #1-34 Test No. 4 Date 10-19-21
 Company Carmen Schmitt Inc. Elevation 3001 KB 2991 GL
 Address P.O. Box 47 Great Bend, KS. 67530
 Co. Rep / Geo. Brad Rine Rig Southwind #8
 Location: Sec. 34 Twp B 3 Rge. 31W Co. Thomas State KS

Interval Tested 4072-4100 Zone Tested Lansing "D+E"
 Anchor Length 28 Drill Pipe Run 3940 Mud Wt. 9.1
 Top Packer Depth 4067 Drill Collars Run 118 Vis 56
 Bottom Packer Depth 4072 Wt. Pipe Run — WL 7.2
 Total Depth 4100 Chlorides 4200 ppm System LCM 2#
 Blow Description IF - B.O.B (11 inches) @ 7 mins (blow increased to 18")
ISI - Return blow @ 7 mins built to 1/4"
FF - B.O.B @ 14 mins (blow increased to 18 3/4")
FSI - Return blow @ 8 mins built to 1"

Rec	Feet of	%gas	%oil	%water	%mud
<u>340</u>	<u>Feet of 550 05MCW</u>	<u>3</u>	<u>89</u>	<u>8</u>	
<u>60</u>	<u>Feet of <u>550</u> WM</u>	<u>8</u>	<u>22</u>	<u>60</u>	
<u>40</u>	<u>Feet of <u>60</u></u>	<u>100</u>			
<u>0</u>	<u>Feet of <u>120'</u> GIP</u>				
	<u>Feet of</u>				

Rec Total 440 BHT 126 Gravity 33.8 API RW 179 @ 85.5 °F Chlorides 32,000 ppm

(A) Initial Hydrostatic 1997 Test 1450 T-On Location 10:15
 (B) First Initial Flow 49 Jars 250 T-Started 10:55
 (C) First Final Flow 148 Safety Joint 75 T-Open 12:30
 (D) Initial Shut-In 1263 Circ Sub _____ T-Pulled 14:45
 (E) Second Initial Flow 126 Hourly Standby _____ T-Out 17:10
 (F) Second Final Flow 220 Mileage 136 RT 170 Comments Mild plugging
 (G) Final Shut-In 1252 Sampler _____ on IFP, cleaned up
 (H) Final Hydrostatic 1986 Straddle _____ EM Tool _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1945
 Sub Total 1945 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
 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. **67122**

Well Name & No. Sunny Lee #1-34 Test No. 5 Date 10-20-21
 Company Carmen Schmitt Inc. Elevation 3001 KB 2991 GL
 Address P.O. Box 47 Great Bend, KS. 67530
 Co. Rep / Geo. Brad Rine. Rig Southwind #8
 Location: Sec. 34 Twp 8 S. Rge. 31 W. Co. Thomas State KS.

Interval Tested 4100 - 4115 Zone Tested Lansing "F"
 Anchor Length 15' Drill Pipe Run 3972. Mud Wt. 9.1
 Top Packer Depth 4095 Drill Collars Run 118 Vis 56
 Bottom Packer Depth 4100 (Shale) Wt. Pipe Run — WL 7.2.
 Total Depth 4115 Chlorides 4200 ppm System LCM 2#
 Blow Description IF - blow built to 1/4"
ISI - No return
FF - No blow, Pull Tool P.

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Mud w/oil scum.</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 2 BHT 117 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2006</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>00:15</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>00:40</u>
(C) First Final Flow <u>27</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>02:40</u>
(D) Initial Shut-In <u>83</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>03:35.</u>
(E) Second Initial Flow <u>27</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>05:57</u>
(F) Second Final Flow <u>28</u>	<input checked="" type="checkbox"/> Mileage <u>136 RT</u> 170	Comments
(G) Final Shut-In	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2016</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>10</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Final Shut-In <u>—</u>	<input type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Accessibility	Sub Total <u>0</u>
	Sub Total <u>2195</u>	Total <u>2195</u>
		MP/DST Disc't

Approved By _____ Our Representative [Signature]
 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. 67123

Well Name & No. Sunny Lea #1-34 Test No. 6 Date 10-20-21
 Company Carmen Schmitt Inc. Elevation 3001 KB 2991 GL
 Address P.O. Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Brod Rine. Rig Southwind #8
 Location: Sec. 34 Twp 8 S. Rge. 31 W. Co. Thomas State KS

Interval Tested 4148 - 4194 Zone Tested LKC "H"
 Anchor Length 46' Drill Pipe Run 4036 Mud Wt. 9.1
 Top Packer Depth 4143 Drill Collars Run 118 Vis 50
 Bottom Packer Depth 4148 Wt. Pipe Run — WL 8.8
 Total Depth 4194 Chlorides 4000 ppm System LCM 2#

Blow Description IF - S. blow suit to 1/4"
ISE - No return.
FF - No blow, Pull Tool.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mud</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 10 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2019</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>17:30</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>17:45</u>
(C) First Final Flow <u>34</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>19:31</u>
(D) Initial Shut-In <u>1218</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>20:26</u>
(E) Second Initial Flow <u>35</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>22:18</u>
(F) Second Final Flow <u>40</u>	<input checked="" type="checkbox"/> Mileage <u>136 RT</u> 170	Comments
(G) Final Shut-In	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2018</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> EM Tool
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>10</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1945</u>
	Sub Total <u>1945</u>	MP/DST Disc't

Approved By _____ Our Representative Yvonne John

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. 67124

Well Name & No. Sunny Lea #1-34 Test No. 7 Date 10-21-21
 Company Carmen Schmitt Inc. Elevation 3001 KB 2991 GL
 Address P.O. Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Bred Rine Rig Southwind #8
 Location: Sec. 34 Twp 8 S. Rge. 31 W. Co. Thomas State KS

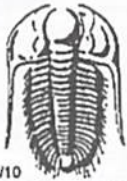
Interval Tested 4185-4270 Zone Tested LKC "I, J, K"
 Anchor Length 85' Drill Pipe Run 4068 Mud Wt. 9.1
 Top Packer Depth 4185 Drill Collars Run 118 Vls 58
 Bottom Packer Depth 4185 Wt. Pipe Run — WL 8.0
 Total Depth 4270 Chlorides 4200 ppm System LCM H
 Blow Description IF: 5. blow built to 1/4"
ISI: No return
FF: No blow, Pull Tools.
ESI:

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

Rec Total 5 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2078</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>11:30</u>
(B) First Initial Flow <u>27</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:05</u>
(C) First Final Flow <u>31</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>13:43</u>
(D) Initial Shut-In <u>245</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>14:38</u>
(E) Second Initial Flow <u>33</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:46</u>
(F) Second Final Flow <u>35</u>	<input checked="" type="checkbox"/> Mileage <u>136 RT</u> 170	Comments
(G) Final Shut-In <u>—</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2046</u>	<input type="checkbox"/> Straddle	
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<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>10</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Final Shut-In <u>—</u>	<input type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Accessibility	Sub Total <u>0</u>
	Sub Total <u>1945</u>	Total <u>1945</u>
		MP/DST Disc't

Approved By _____ Our Representative [Signature]
 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. 67125

Well Name & No. Sunny Lea #1-34 Test No. 8 Date 10-22-21
 Company Carmen Schmitt Inc Elevation 3001 KB 2991 GL
 Address P.O. Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Brad Rine Rig Southwind #8
 Location: Sec. 34 Twp 8S Rge. 31W Co. Thomas State KS

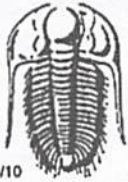
Interval Tested 4296-4385 Zone Tested Marmaton, Altamont
 Anchor Length 89' Drill Pipe Run 4162 Mud Wt. 9.1
 Top Packer Depth 4291 Drill Collars Run 118 Vis 60
 Bottom Packer Depth 4296 Wt. Pipe Run — WL 9.6
 Total Depth 4385 Chlorides 4400 ppm System LCM 1#
 Blow Description IF - 5. blow to 1/4" reduced to 5. blow
ISI - No return
FF - No blow
ESR

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

Rec Total 5 BHT 119 Gravity — API RW — @ — °F Chlorides > ppm

(A) Initial Hydrostatic <u>2203</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>10:00</u>
(B) First Initial Flow <u>30</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>10:24</u>
(C) First Final Flow <u>32</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>12:05</u>
(D) Initial Shut-In <u>67</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>13:20</u>
(E) Second Initial Flow <u>32</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>14:41</u>
(F) Second Final Flow <u>33</u>	<input checked="" type="checkbox"/> Mileage <u>136 RT</u> 170	Comments
(G) Final Shut-In	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2141</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> EM Tool
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1945</u>
	Sub Total <u>1945</u>	MP/DST Disc't

Approved By _____ Our Representative Brad Rine
 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. **68351**

Well Name & No. Sunny Lea #1-34 Test No. 9 Date 10-22-21
 Company Carmen Schmitt Inc. Elevation 3001 KB 2991 GL
 Address P.O. Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Brad Rine Rig Southwind #8
 Location: Sec. 34 Twp 8 S. Rge. 31 W. Co. Thomas State KS

Interval Tested 4395-4430 Zone Tested Pawnee
 Anchor Length 35' Drill Pipe Run 4258 Mud Wt. 9.4
 Top Packer Depth 4390 Drill Collars Run 118 Vis 67
 Bottom Packer Depth 4395 Wt. Pipe Run --- WL 9.6
 Total Depth 4430 Chlorides 4400 ppm System LCM 2#

Blow Description IF - B.O.B (11 inches) @ 5 mins. (blow increased to 32 1/2")
ISS - Return blow @ 5 mins built to 1"
FF - B.O.B @ 7 mins. (blow increased to 70")
FST - Return blow ASASTI to B.O.B @ 11 mins (increased to 47" & down to 42 1/4")

Rec	Feet of	%gas	%oil	%water	%mud
<u>546</u>	<u>MSW</u>		<u>95</u>	<u>5</u>	
<u>400</u>	<u>600mm</u>	<u>15</u>	<u>10</u>	<u>45</u>	<u>30</u>
<u>166</u>	<u>CGG</u>	<u>15</u>	<u>85</u>		
<u>0</u>	<u>1000' GEP</u>				

Rec Total 1040 BHT _____ Gravity 38.6 API RW .290 @ 42.0 °F Chlorides 45,000 ppm

(A) Initial Hydrostatic 2172 Test 1450 T-On Location 03:30
 (B) First Initial Flow 55 Jars 250 T-Started 00:33
 (C) First Final Flow 220 Safety Joint 75 T-Open 02:25
 (D) Initial Shut-In 1340 Circ Sub _____ T-Pulled 05:25
 (E) Second Initial Flow 213 Hourly Standby _____ T-Out 09:02
 (F) Second Final Flow 493 Mileage 136 RT 170 Comments _____
 (G) Final Shut-In 1327 Sampler _____
 (H) Final Hydrostatic 2134 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 90

Sub Total 1945 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. **68352**

Well Name & No. Sunny Lea #1-34 Test No. 10 Date 10-23-21
 Company Carmen Schmitt Inc. Elevation 3061 KB 2991 GL
 Address P.O. Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Brad Rine Rig Southwind #8
 Location: Sec. 34 Twp 8 S. Rge. 31 W. Co. Thomas State KS

Interval Tested 4436-4484 Zone Tested Ft. Scott
 Anchor Length 48' Drill Pipe Run 4321 Mud Wt. 9.1
 Top Packer Depth 4431 Drill Collars Run 118 Vls 57
 Bottom Packer Depth 4436 Wt. Pipe Run — WL 7.2
 Total Depth 4484 Chlorides 4700 ppm System LCM 2#

Blow Description IF - blow built to 1/4"
ISZ - No return
FF - No blow, Pull Tools.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</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 120 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2223</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>18:40</u>
(B) First Initial Flow <u>28</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>19:00</u>
(C) First Final Flow <u>30</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:52</u>
(D) Initial Shut-In <u>81</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>21:47</u>
(E) Second Initial Flow <u>29</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:00</u>
(F) Second Final Flow <u>30</u>	<input checked="" type="checkbox"/> Mileage <u>136 RT X2</u> 340	Comments <u>Tools loaded @</u>
(G) Final Shut-In <u>—</u>	<input type="checkbox"/> Sampler	<u>03:45 10-25-21</u>
(H) Final Hydrostatic <u>2186</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> EM Tool
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>10</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>—</u>	<input checked="" type="checkbox"/> Day Standby <u>1d 3.75h</u>	Sub Total <u>800</u>
	<input type="checkbox"/> Accessibility	Total <u>2915</u>
	Sub Total <u>2115</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]
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Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Sunny Lea #1-34 - Carmen Schmitt, Inc.
API: 15-193-21095-00-00
Location: SW-SE-SE-NE, Section 34-08S-31W
License Number: KCC #6569
Spud Date: October 11, 2021
Surface Coordinates: 2400' FNL & 500' FEL
of Section
Bottom Hole Vertical Wellbore
Coordinates:
Ground Elevation (ft): 2991 Ft.
Logged Interval (ft): 3600 Ft. To: 4675 Ft. Total Depth (ft): RTD 4675 Ft. LTD 4675 Ft.
Formation: Mississippian at Total Depth
Type of Drilling Fluid: Chemical

Region: Thomas County, KS
Drilling Completed: October 25, 2021
Results: D&A
Field: NA
K.B. Elevation (ft): 3001 Ft.

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

Operator

Company: Carmen Schmitt, Inc.
Address: PO Box 47
Great Bend, Kansas 67530 + 0047

Geologist

Name: M. Bradford Rine
Company: Consulting Geologist, Kansas Lic. #204, Wyo #189, AAPG Cert. #2647
Address: 100 South Main, Suite #320A
Wichita, Kansas 67202

Remarks

Based on sample observations, drill stem test results, and electric log evaluation, it was the decision of the Operator, to plug and abandon the "Sunny Lea #1-34", on October 25, 2021.

Respectfully submitted,
M. Bradford Rine, geologist

Drilling Information

Rig: Southwind, Rig #8
Pump: Emsco D-375 6x14
Drawworks: RMI 550
Collars: 476' 2-1/4" x 6-1/4"
Drillpipe: 4-1/2" 16.6# XH
Toolpusher: Doug Roberts

Mud: Mudco (Reid Atkins)
Gas Detector: None
Drill Stem Tests: Trilobite (Martine Salinas)
Logs: Midwest (Dan Schmidt)
Water: Farm pond NW of Steiger Unit well
Company Representatives:
Office: Carmen Schmitt
Field: None

Daily Drilling Status

Date:	Operations/Depth/Comments
10-11-21	MIRT, RU, Spud @ 0'
10-12-21	WOC. Rig Down for Personnel Day Off @ 267'
10-13-21	Prepare to Drill Out @ 267'
10-14-21	Down for Repairs @ 2006'
10-15-21	Drilling @ 3140'
10-16-21	Drilling @ 3590'
10-17-21	Circulating for Samples @ 3950'
10-18-21	Drilling @ 4055'
10-19-21	Drilling @ 4085'
10-20-21	Trip in Hole after DST #5 @ 4115'
10-21-21	Circulating for Samples @ 4245'
10-22-21	Circulating for Samples @ 4385'
10-23-21	Trip Out of Hole with DST #9 @ 4430'
10-24-21	Drilling @ 4516'
10-25-21	Laying Down Drill Pipe, Prepare to Plug @ 4675', Plugging completed at 2:15 PM

	Results: D&A			(Well A) D&A		(Well B) Oil			
	Carmen Schmitt, Inc.			Murfin Drlg Co.		Carmen Schmitt, Inc.			
	Sunny Lea #1-34			Steiger #1-35		H&V Farms #2-35			
	2400'FNL & 500'FEL			330'FWL & 1650'FNL		720'FNL & 2210'FEL			
	Sec. 34-085-31W			Sec. 35-085-31W		Sec. 35-085-31W			
	KB 3001			KB 2985		KB 2980		Well A	Well B
Formations	Sample	E-Log	Datum	E-Log	Datum	E-Log	Datum	Comparison(s)	
Anhydrite	2615	2614	387	2610	375	2602	378	12	9
B/Anhydrite	2647	2646	355	2641	344	2633	347	11	8
Tarkio	3668	3667	-666	3660	-675	3650	-670	9	4
Topeka	3794	3792	-791	3786	-801	3770	-790	10	-1
Oread	3958	3959	-958	3950	-965	3935	-955	7	-3
Heebner Sh	3998	3998	-997	3989	-1004	3976	-996	7	-1
Toronto	4024	4022	-1021	4014	-1029	3998	-1018	8	-3
Lansing	4037	4036	-1035	4030	-1045	4014	-1034	10	-1
Muncie Creek Sh	4156	4155	-1154	4150	-1165	4134	-1154	11	0
Stark Sh.	4238	4238	-1237	4235	-1250	4220	-1240	13	3
B/Kansas City	4297	4292	-1291	4294	-1309	4278	-1298	18	7
Marmaton	4305	4304	-1303	4308	-1323	4286	-1306	20	3
Pawnee	4405	4411	-1410	4410	-1425	4382	-1402	15	-8
Ft. Scott	4448	4447	-1446	4445	-1460	4420	-1440	14	-6
Cherokee Sh	4476	4475	-1474	4475	-1490	4455	-1475	16	1
Cherokee Sd/Cgl	4578	4576	-1575	NC	NA	4560	-1580	NA	5
Mississippian	4602	4602	-1601	4602	-1617	4580	-1600	16	-1
Total Depth	4675	4675	-1674	4662	-1677	4635	-1655	3	-19

Casing Record, Bit Record, Deviation Surveys

CASING:

Conductor: None

Surface: Ran 6 jts 8-5/8" 20# new casing. Set @ 264'. (Copeland) Cement with 200 sx Common, 2% gel, 3% CC, 1/4# flo-seal. Plug down at 12:45 AM, October 12, 2021. Cement did circulate.

Production: P&A as follows: (Copeland) Plug with 265 sx Total, 4% gel, 1/4# flo seal. 50 sx @ 2650', 100 sx @ 1725', 50 sx @ 325', 10 sx @ 40', 30 sx in RH, 15 sx in MH. Plug down at 2:15 PM, October 25, 2021.

BITS:

No.	Size	Make	Model	Depth In	Depth Out	Hours
1	12-1/4	JZ	Milltooth	0	267'	1.25
2	7-7/8	JZ	PDC	267'	3213'	28.25
3	7-7/8	JZ	HA20L	3213'	4047'	42.75
4	7-7/8	JZ	HA20Lrr	4047'	4270'	13.75
5	7-7/8	JZ	HA20Lrr	4270'	4675'	19.75

DEVIATION SURVEYS:

Deviation:	Depth:	Deviation:	Depth:
0.75*	267'	0.88*	4270'
1.00*	4047'	1.00*	4484'
1.25*	4194'	1.25*	4675'

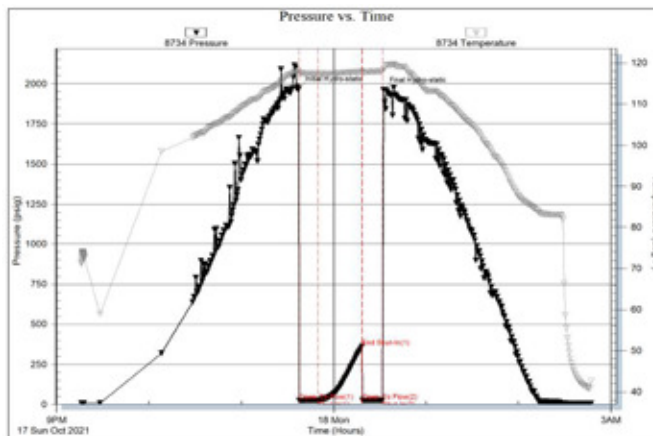
PIPE STRAPS:

Difference:	Depth:
.79' long	4047'

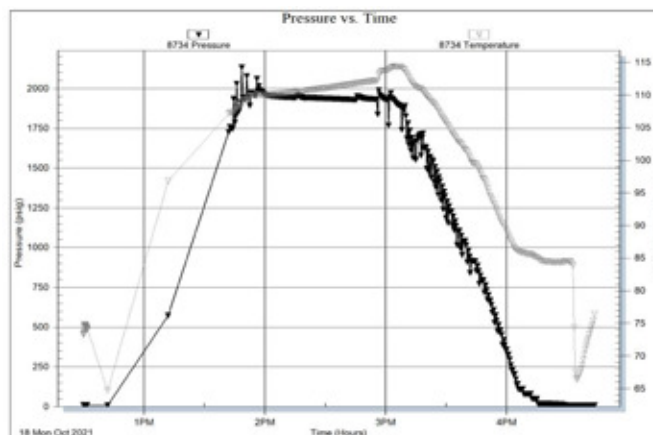
MUD UP:

Displace and Mudup @ 3372'

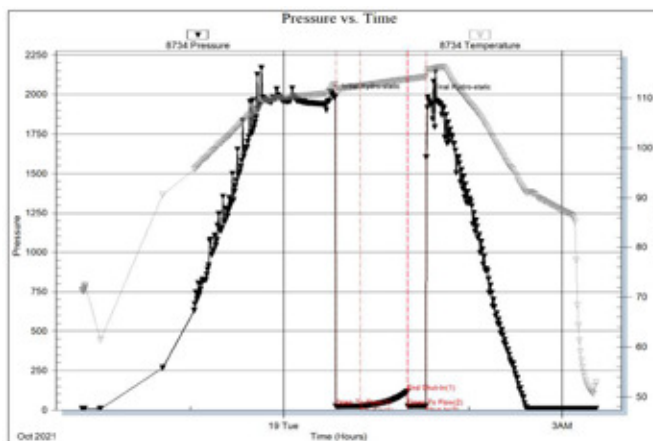
DST #1: 3993-4047 (Toronto, Lansing A)
Times: 15-30-10-out
Initial Open: Weak Blow,
built to steady 3/4" in five min
Final Open: No BLOW
Rec: 3' Oil Spotted Mud: 01%o 99%m
IHP: 1969 IHP: 1961
IFP: 24-25 FFP: 25-26
ISIP: 363 FSIP: NA
BHT: 119°F



DST #2: 4053-4080 (Lansing B,C)
15-30-10-out
Misrun! Hydraulic Tool Failed.



DST #3: 4053-4080 (Lansing B,C)
Times: 15-30-10-out
Initial Open: Wk Surf Blow Thru-out
***(trouble getting tool to open)**
Final Open: No BLOW
Rec: 30'mud with oil scum
IHP: 1989 FHP: 1984
IFP: 24-25 FFP: 25-26
ISIP: 118 FSIP: NA
BHT: 116°F



DST #4: 4072-4100 (Lansing D,E)

Times: 15-30-30-60

**Initial Open: Stg Blow, built to 18" i.b.,
1/4" Return Blow**

**Final Open: Stg Blow, built to 18.75" i.b.,
Return Blow built to 1"**

**Rec: 440' Total Fluid & 120' gas in pipe
40' Clean Oil**

60' GOWCM: 08%g 10%o 22%w 60%m

340' SOMCW: 03%o 89%w 08%m

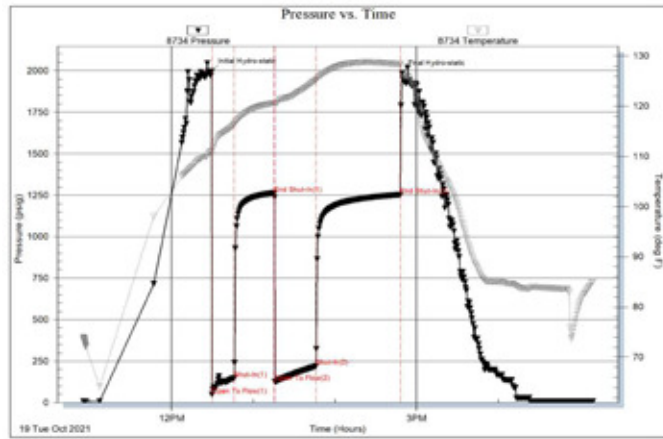
(Chl/wtr: 32,000 ppm, API oil 33.8)

IHP: 1997 FHP: 1986

IFP: 49-148 FFP: 126-220

ISIP: 1263 FSIP: 1252

BHT: 126°F



DST #5: 4100-4115 (Lansing F)

Times: 15-30-10-out

Initial Open: Weak Blow, built to 1/4" i.b.

Final Open: No Blow

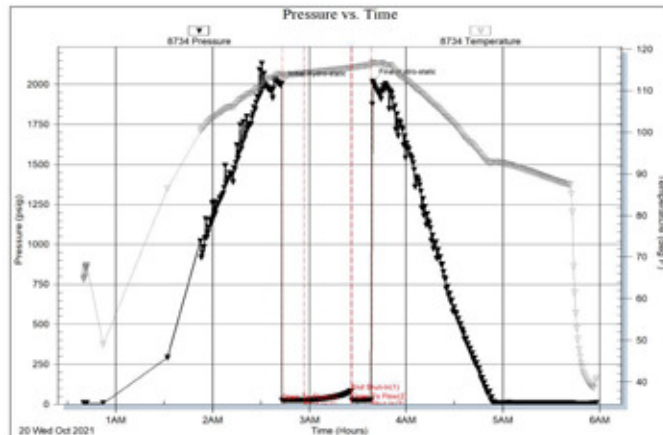
Rec: 2' mud with oil scum

IHP: 2006 FHP: 2016

IFP: 25-27 FFP: 27-28

ISIP: 83 FSIP: NA

BHT: 117°F



DST #6: 4148-4194 (LKC H)

Times: 15-30-10-out

Initial Open: Weak Blow, built to 1/4" i.b.

Final Open: No Blow

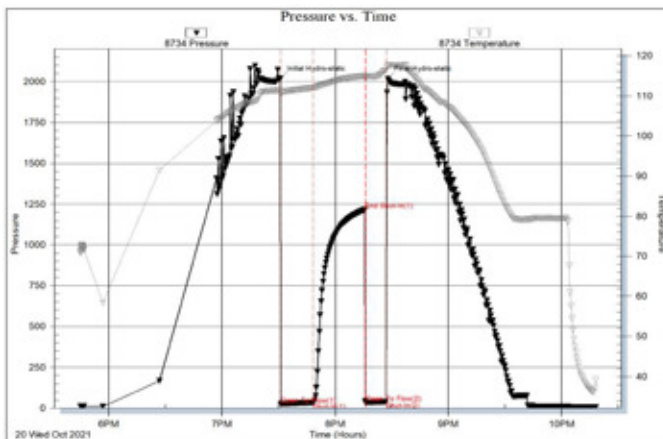
Rec: 10' mud

IHP: 2019 FHP: 2018

IFP: 24-34 FFP: 35-40

ISIP: 1218 FSIP: NA

BHT: 118°F



DST #7: 4185-4270 (LKC I,J,K)

Times: 15-30-10-out

Initial Open: Weak Blow, built to 1/4" i.b.

Final Open: No Blow

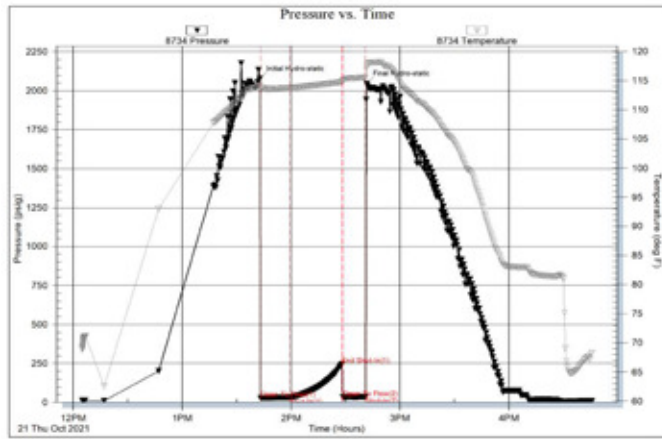
Rec: 5' OCM: 15%o 85%*m*

IHP: 2078 FHP: 2046

IFP: 27-31 FFP: 33-35

ISIP: 245 FSIP: NA

BHT: 118°F



DST #8: 4296-4385 (Marmaton, Altamont)

Times: 15-30-10-out

Initial Open: Wk Blow, built to 1/4" i.b.

died back to surf blow

Final Open: No Blow

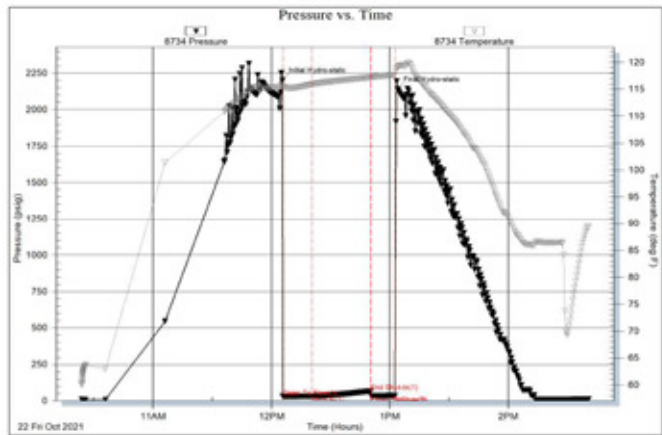
Rec: 5' mud

IHP: 2203 FHP: 2141

IFP: 30-32 FFP: 22-33

ISIP: 67 FSIP: NA

BHT: 119°F



DST #9: 4395-4430 (Pawnee)

Times: 15-30-45-90

Initial Open: Stg Blow, b.o.b. 5 min, built to 32.5", Return blow built to 1"

Final Open: Stg Blow, b.o.b. 7 min, built to 70", Return blow built to 47", Then died back to 42.25"

Rec: 1040' Total Fluid, 1000' gas in pipe

100' GCO: 15%g 85%*o*

400' GOMCW: 15%g 10%*o* 45%*w* 30%*m*

540' SMCW: 95%*w* 05%*m*

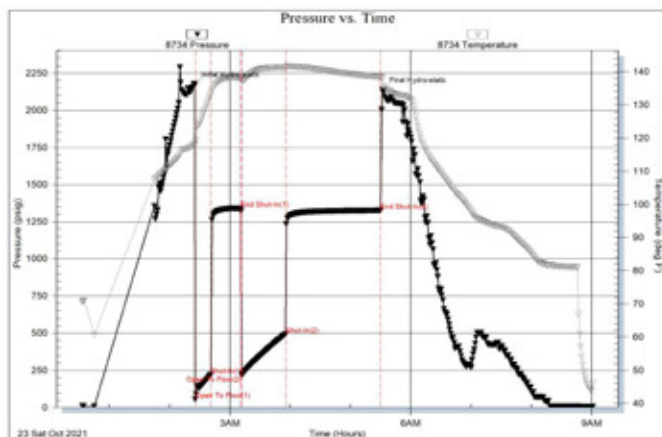
(Oil: 42*API, Wtr: 45000ppm)

IHP: 2172 FHP: 2134

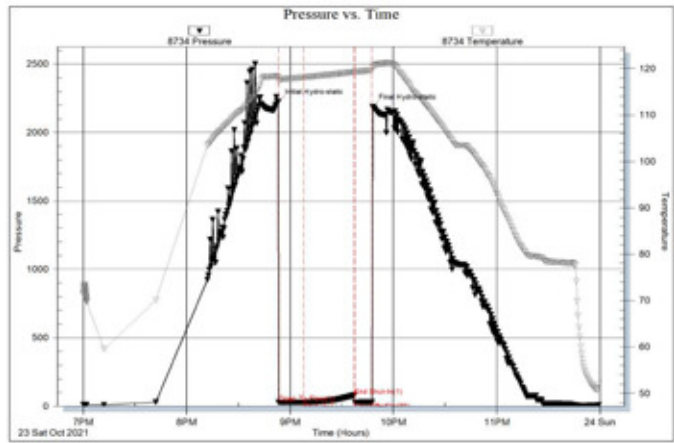
IFP: 55-220 FFP: 218-493

ISIP: 1340 FSIP: 1327

BHT: 141°F



DST #10: 4436-4484 (Ft. Scott)
 Times: 15-30-10-out
 Initial Open: Wk Blow, built to 1/4" i.b.
 Final Open: No Blow
 Rec: 5' mud
 IHP: 2223 FHP: 2186
 IFP: 28-30 FFP: 29-30
 ISIP: 81 FSIP: NA
 BHT: 120°F



Rock Types

	Cgl/gran wash		Bent		Dol		Salt		Till
	Dol ls/lmy dol		Brec		Gyp		Shale		Siltysh
	New symbol		Cht		Igne		Shcol		Shlysiltst
	Dol ls/lmy dol		Clyst		Lmst		Shgy		Siltst
	New symbol		Blk sh/coal		Meta		Ss		Sandyls
	Anhy		Congl		Mrlst				

Accessories

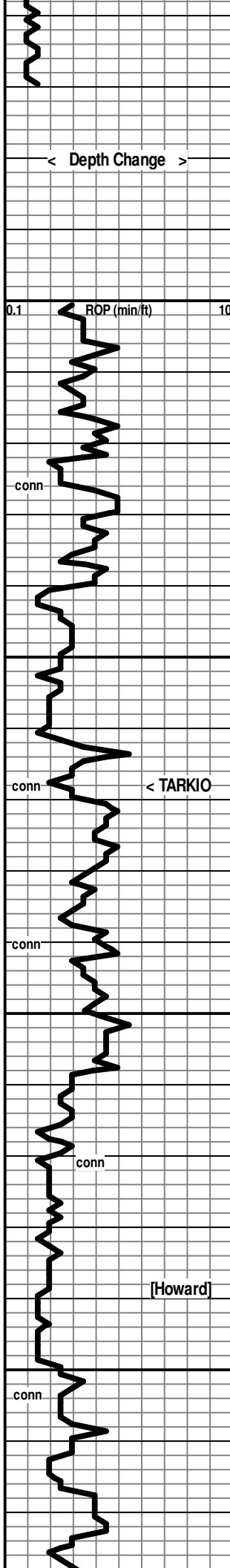
MINERAL		Gyp	FOSSIL		Ostra		Siltstrg	
	Anhy	Hvymin		Algae		Pelec		Ssstrg
	Arggrn	Kaol		Amph		Pellet	TEXTURE	
	Arg	Marl		Belm		Pisolite		Boundst
	Bent	Minxl		Bioclst		Plant		Chalky
	Bit	Nodule		Brach		Strom		Cryxln
	Brecfrag	Phos		Bryozoa	STRINGER			Earthy
	Calc	Pyr		Cephal		Anhy		Finexln
	Carb	Salt		Coral		Shale		Grainst
	Chtdk	Sandy		Crin		Bent		Lithogr
	Chtlt	Silt		Echin		Coal		Microxln
	Dol	Sil		Fish		Gyp		Mudst
	Feldspar	Sulphur		Foram		Ls		Packst
	Ferrpel	Tuff		Fossil		Mrst		Wackest
	Ferr			Gastro				
	Glau			Oolite				

* Stuck on a connection at 2641 Ft!
Spotted 70 bbls oil and pulled free.

* Bit Trip @ 3213 Ft!

* Displace and Mudup
@ 3372'!

7:00 AM, October 16, 2021



3600

Ls wh, vfn-fn xln, pr vis xln por, dns in pt, rr foss
[No Odor, dull spotty fluor, low % pcs with spots of
brn stn with Rr trace spots of shows of dk FO on
crush, mostly NVL oil]

Ls cr-tan-gy, fn xln, dns, grainy/sity-sdy text

3650

3660' spl: 40% shale & silty shale, gy-dk gy; Ls wh, fn xln, pr vis
xln por
[No Odor, dull spotty fluor, low % pcs with spots of
brn stn with Rr trace spots of shows of NVL oil]

← 3668 (-667)

3680' spl: 65% Shale, gmish, gy-dk gy-blk, silty in pt; 35% Ls wh,
fn xln, chalky to prxln por, foss
[No Odor, Rr spots of dull fluor, Low % pcs with trace
of spots of dk brn DO to NVL oil]

3680' spl: 65% Shale, gmish, gy-dk gy-blk, silty in pt; 35% Ls
wh-gy, fn xln, chalky to prxln por, foss
[No Odor, No Fluor, a few pcs with spots of DO]

3700

Ls wh, fn xln, some scatt pr xln por, abund chalky, foss
[No odor, Rr spots of dull fluor, low % pcs with
patches of spotty dk brn stn, Mostly Dead asphaltic to
some NVL oil on brk]

Ls wh-cr, fn xln, scatt pp pores, chalky in pt ool in pt (well cem to
scatt interool pores), foss
[No Odor, No fluor, V Low % pcs with dk spots of stn,
mostly Dead-asphaltic oil or NVL oil, V Rr trace show
of dk hvy FO on crush]

[Howard]

3750

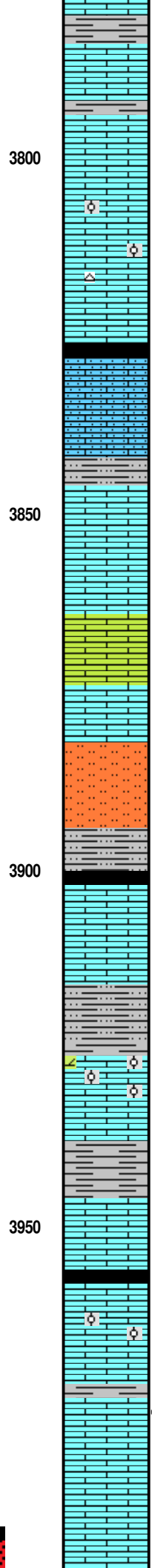
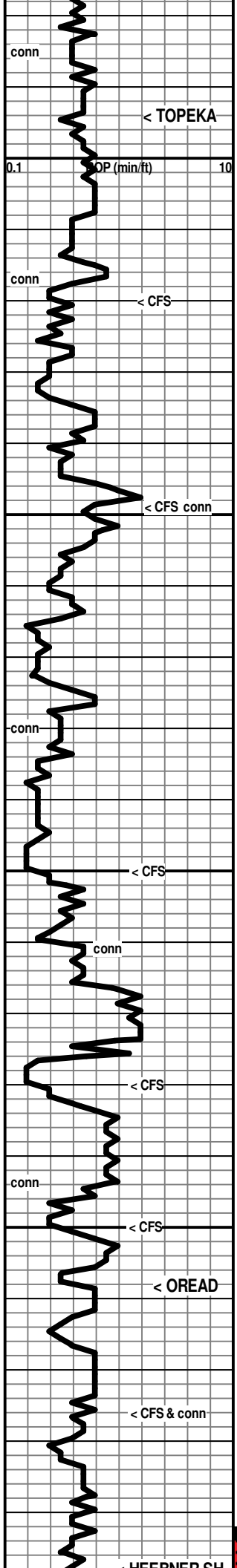
Ls cr, fn xln, chalky in pt, ool-oom in pt pt with scatt oom por
[Barren]

Ls wh-cr-pl gy, fn xln, chalky in pt, mostly dns, Rr patches of pr xln
por, sli foss; 05% shales gy-gmish

Ls wh-cr, fn xln, mostly pr-fr xln por, some fr xln por, foss to abund
foss
[No Odor No fluor, a few pcs with spots of asphaltic

Mud Check, Drlg @ 3620':

Vis	Wt	WL	PV	YP
59	8.8	6.4	18	15
Chl	Hd	pH	LCM	Solids
2200	10	11.5	1	3.6



[No Odor, no fluor, a few pcs with spots of asphaltic DO, NSFO]

Ls wh-cr, fn xln, mostly pr-fr xln por, some fr xln por, foss to abund foss

Sh gy
← 3794 (-793)

Ls wh-cr-tan, fn xln, chalky in pt, scatt pr-fr xln por foss to abund foss
[No Odor, No fluor, Rr pcs with spots of black asphaltic/gilson Stn]

Ls wh-cr-tan, fn xln, chalky in pt, scatt pr-fr xln por foss to abund foss, ool in pt, some embedded pyrite, few pcs of fresh chert

Ls wh-cr, fn xln, pr vis xln por, scatt pp pores, foss

Ls cr-pl gy, fn xln, dns to pr xln por, silty to sdy text

Sh gy, silty

Ls wh-cr, fn xln, chalky & mushy in pt, pr-fr xln por in pt, foss to abund foss
[No Odor, No fluor, low % pcs with scatt spots of black resid/asphaltic stn & Dk brn DO, NSFO]

Dol Ls/Limey Dol cr, fn xln, subsucr-subrhombic, fr xln por in pt

Siltstone, cr-gy, vfn grn, calc in pt

Silty & carb Shale, gy-black

Ls wh-cr, fn xln, pr vis xln por, scatt pp pores, foss
[Fnt Odor, some scatt spotty dull fluor, moderately low % pcs with dk stn in pp pores, of dk brn DO & NVL oil on crush]

3930' spl: 90% Silty Sh/Shaley siltstone, pl gy-pl grnish with some chalky calc cem

3930' 20-min spl: 90% Ls wh-cr, fn lxn, pr xln por, dolom in pt-fr xln por where dolo., abund ool (mostly well cem)

Ls wh-cr, fn xln, dns to pr xln por, foss

3950' spl: 75% Shale red-gy, silty in pt (washes red)

Ls wh-cr, fn xln, mostly pr vis xln por, some fr xln por, some chalky, foss in pt

Ls wh-cr-pl gy, fn xln, mostly pr vis xln por, some fr xln por, some chalky, foss in pt

Sh dk gy-blk, carb in pt

← 3958 (-957)

Ls wh-cr, fn xln, pr vis xln por, abund chalky, foss in pt, ool in pt

Ls cr-gy, fn xln, dns, foss

Sh gy-pl grn

Ls wh-cr, fn xln, pr vis xln por, scatt pp pores, foss
[No Odor, a few spots of dull fluor, two pcs with brn oil stn in pores, NSFO]

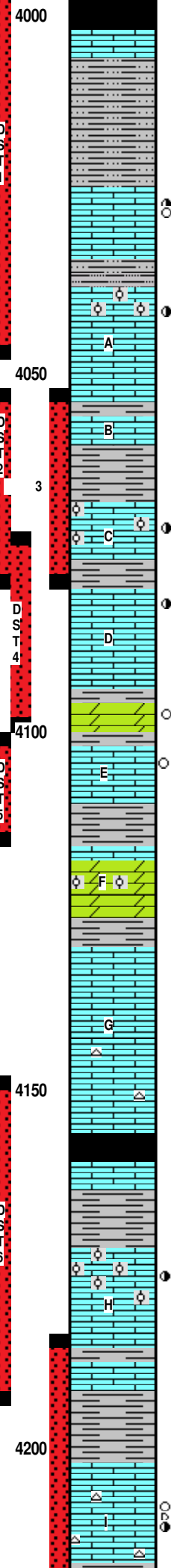
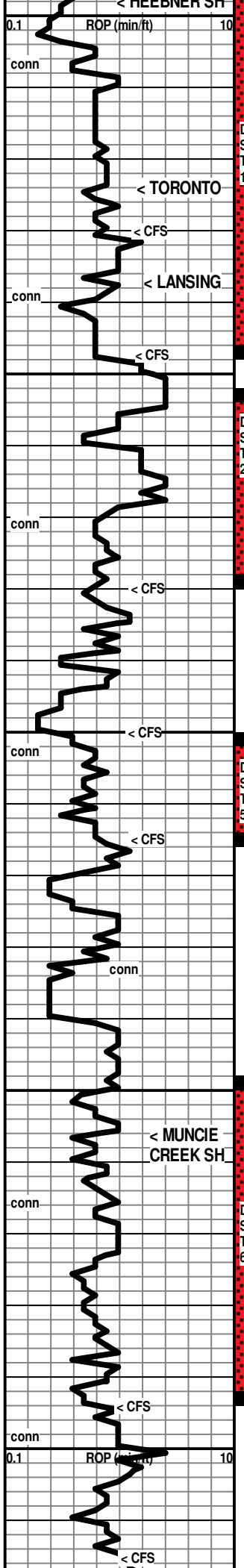
Ls wh-cr-pl gy, fn xln, dns topr xln por, foss

7:00 AM, October 17, 2021

Mud Check, CFS @ 3976':

Vis	Wt	WL	PV	YP
58	9.2	6.4	17	17
Chl	Hd	pH	LCM	Solids
3000	80	11.0	1	5.8

DST #1: 3993-4047 (Toronto, Lansing A)
Times: 15-30-10-out
Initial Open: Weak Blow. built to steady 3/4" in five



Sh black, carb (abund in 4010' spl)
 Ls tan, fn xln, dns, foss

Sh gy-pl grnsh, subsilty-silty in pt, soft & mushy in pt, trace of pyrite

← 4024 (-1023)
 Ls cr, fn xln, dns to pr vis xln por, foss in pt
 Show Descr. →

Silty Sh to Shaley siltstone, gy-grn

← 4036 (-1035)
 Ls wh-cr, fn xln, pr vis xln por, ool in upper pt with Rr scatt vis interool pores
 Show Descr. →

Ls wh-cr, vfn-fn xln, dns foss in pt

Sh gy

Ls wh-cr, fn xln, dns to pr vis xln por

Sh mostly red, some grn-gy, mushy to subsilty (washes red)

Ls wh-cr, mostly pr xln por, Rr patches of fr xln por, abund pp pores, scatt sm vugs, foss, ool in pt with some interool pores

[Stg Odor, Scatt dull-mod fluor, abund brn-dk brn spotty & patchy stn, abund fr shows of hvy Deadish-NVL oil, mod am't of sli shows of light brn-brn FO, v sli gassy, dry spls: mostly spotty-patchy stn with a few pcs of even stn]

4090' spl: Ls cr-tan fn xln, pr xln por, scatt abund sm vugs & pp pores, foss, chert: fresh, cr, subtransl, Ls becomes dense with depth

[4090' spl: V Fnt Odor, Scatt dull fluor, low % pcs with brn stn in vugs & pores, with sli shows FO & NVL oil on crush]

4100' CFS: Dol cr, pr-fr xln por, subsucr-sucrosic text
 Show Descr. →

4110' spl: Ls wh-cr, fn xln, abund chalky, some pr xln por Rr pp pores, foss in pt
 Show Descr. →

Sh gy-dk gy-grnsh

Ls wh-cr, fn xln, pr xln por, abund chalky, foss

Dol cr, fn xln, subsucr-sucrosic text, pr-fr xln por, foss, ool in pt with scatt interool pores,

Shgy-dk gy-blk

Ls wh-cr, fn xln pr xln por, chalky in pt, foss/ool in pt, Ls pl gy, md xln calc/rhombos loosely cem with gd interxln por

Ls wh-cr, fn xln, pr xln por to dns, chalky in pt, foss, abund chert: fresh, cr-pl gy, stubtransl to transl, foss

← 4156 (-1155)
 Sh black, carb (well repres. in 4170' spl)
 Ls cr-tan-pl gy, fn xln dns to pr xln por, foss

Sh gy-grn-pl grn-red, mushy to soft (washes gyish)

Ls wh-cr, fn xln, pr vis xln por, scatt pp pores, Rr sm vugs, ool with scatt interool pores, foss; Ls becomes dns with depth

[Mod Odor, abund pcs with dull-mod fluor, mod+ am't pcs with spotty-patchy brn stn, with mostly sli shows of lt brn-brn gassy FO, low % pcs with Fr shows of gassy FO on crush, some tan oily scum]

Sh gy-dk gy, Ls cr-gy, fn xln, dns, grainy text in pt, foss

Sh gy-dk gy-grnsh, silty in pt, calc in pt

Ls wh-cr, fn xln, chalky in pt, pr xln por to dns, abund chert: fresh, orange, transl

[No Odor, Rr dull spotty fluor, mod am't pcs with dk brn-blk spotty-patchy stn of mostly resid DO, a few pcs with trace show of NVL micro drops of oil on crush]

min
 Final Open: No BLOW
 Rec: 3' Oil Spotted Mud: 01%o 99%
 IHP: 1969 IHP: 1961
 IFP: 24-25 FFP: 25-26
 ISIP: 363 FSIP: NA
 BHT: 119°F

[No Odor, 2 pcs per tray with spots of dull fluor, few pcs with spotty stn with trace-v sli shows of NVL oil & FO on crush]

[V Fnt Odor, few pcs per tray with spotty dull-mod fluor with some spots of brn-dk brn spotty stn with Tr-v. sli shows of NVL oil & lt brn FO (v. sli gassy) on crush]

7:00 AM, October 18, 2021

DST #2: 4053-4080 (Lansing B,C)
 Times: 15-30-10-out
 * Misrun! Hydraulic tool did not open. Bring out different tool for DST3.

DST #3: 4053-4080 (Lansing B,C)
 Times: 15-30-10-out
 Initial Open: Wk Surf Blow Thru-out
 *(trouble getting new tool to open)
 Final Open: No Blow
 Rec: 30' mud with oil scum
 IHP: 1989 FHP: 1984
 IFP: 24-25 FFP: 25-26
 ISIP: 118 FSIP: NA
 BHT: 116°F

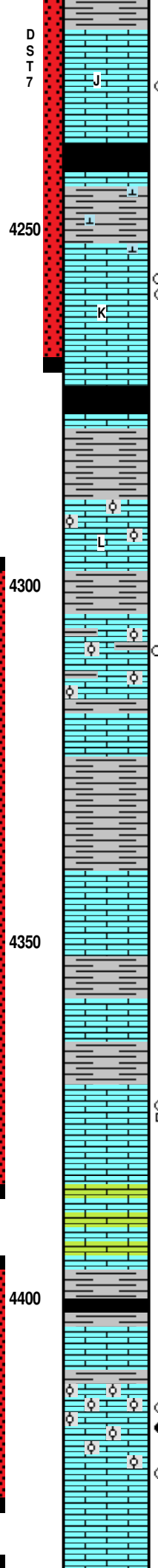
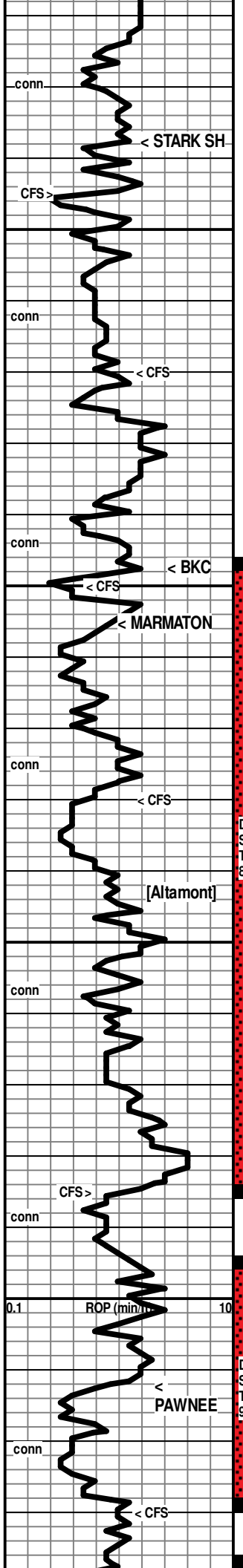
[4100' CFS: No Odor, V Rr spots of dul fluor, V Rr spots of brn stn with trace show of brn FO on crush]

[4110' spl: V Fnt Odor, Rr spots of dull fluor, low % pcs with micro-spots of blk-brn stn, stn in pores, tr shows of DO & NVL oil, Rr pcs with tr show of brn FO on crush]

DST #4: 4072-4100 (Lansing D,E)
 Times: 15-30-30-60
 Initial Open: Stg Blow, built to 18" i.b., 1/4" Return Blow
 Final Open: Stg Blow, built to 18.75" i.b., Return Blow built to 1"
 Rec: 440' Total Fluid & 120' gas in pipe
 40' Clean Oil
 60' GOWCM: 08%g 10%o 22%w 60%
 340' SOMCW: 03%o 89%w 08%
 (Chl/wtr: 32,000 ppm, API oil 33.8)
 IHP: 1997 FHP: 1986
 IFP: 49-148 FFP: 126-220
 ISIP: 1263 FSIP: 1252
 BHT: 126°F

DST #5: 4100-4115 (Lansing F)
 Times: 15-30-10-out
 Initial Open: Weak Blow, built to 1/4" i.b.
 Final Open: No Blow
 Rec: 2' mud with oil scum
 IHP: 2006 FHP: 2016
 IFP: 25-27 FFP: 27-28
 ISIP: 83 FSIP: NA
 BHT: 117°F

DST #6: 4148-4194 (LKC H)
 Times: 15-30-10-out
 Initial Open: Weak Blow, built to 1/4" i.b.
 Final Open: No Blow
 Rec: 10' mud



Crustal
 Sh gy-pl grn-red, silty to argil

Ls wh-cr, fn xln, mostly dns, some chalky, Rr patches of pr vis xln por, sli foss in pt
 [No Odor, No fluor, few pcs per tray with spots & streaks of dk brn stn, NSFO]
 ← 4238 (-1237)
 Sh black, carb (mod repres. in 4245' spl)

Ls tan-brn, fnxn, dns, foss

Sh gy-dk gy, soft to mushy, silty in ptp, calc in pt (washes gy) mixed with wh mushy chalk, wet spls a cup of muck

Ls wh-cr-tan, vfn-fnxln, mostly dns, Rr pr xln por, scatt patches of pp pores, foss
 [V Fnt Odor, Mod am't of dull even-spotty fluor, Low % with spotty-patchy lt brn-brn stn, with trace to sli shows of tan-brn FO, v sli gassy]
 Sh black, carb (repres in pt 4280' spl)
 Ls cr-tan-gy, vfn-fn xln, dns & firm to softer & subchalky, foss to abund foss
 Sh gy-grnish, soft to mushy

Ls cr, fn xln, scatt pr xln por, scatt pp pores, pelletaloid, ool (some weathered) scatt interool pores
 Ls cr, fn xln, dns, foss/ool in pt
 ← 4297 (-1296)
 ← 4305 (-1304)
 Ls wh-cr-tan-gy, vfn-fn xln, chalky in pt, dns in pt, foss, abund ool, mostly well cem with Rr scatt interool pores
 [No Odor, No fluor, few pcs with spots of dk stn in scatt interool pores, found one pc with one micro-drop of dk FO on crush]

Sh gy-grn-red, soft to mushy (washes red)

Ls cr-gy, vfn-fn xln, dns, foss

Sh red-purple-brn=gy-grn, earthy to firm

Ls cr-tan-gy, vfn-fn xln, dns, foss
 Sh mostly red, mushy-soft, some grn & silty text (washes red)

Ls wh-cr-gy, vfn-fnxln, mostly dns & firm, some softer & subchalky, foss in pt
 [No Odor, No fluor, Rr trace spots of black resid stn, NSFO]
 Ls wh-gy, fn xln, chalky & soft to mushy in pt, firm & silty text in pt (washes white)

Ls & Dol Ls, wh-pl gy-gy, vfn-fn xln, dns, subchalky & subsilty in pt, silty-subsucr text in pt

Sh gy-dk gy-black, carb in pt

Ls cr-tan vfn xln, dns, foss
 ← 4412 (-1411)
 Ls wh-cr, fn xln, pr vis xln por, subchalky-chalky in pt, scatt pp pores, Rr scatt sm vugs, some pcs with gd pp pores, micro-ool with scatt interool pores, some well cem.
 [Fnt Odor, mod am't of dull-mod-brt specked fluor, brn stn in pores & vugs, tr to sli shows of tan-brn FO on crush, a few pcs with fr show of FO, gassy, some patchy-even brn stn in dry spl]

Ls cr-gy, fn xln, dns, silty text in pt

IHP: 2019 FHP: 2018
 IFP: 24-34 FFP: 35-40
 ISIP: 1218 FSIP: NA
 BHT: 118°F

7:00 AM, October 21, 2021

DST #7: 4185-4270 (LKC I,J,K)
 Times: 15-30-10-out
 Initial Open: Weak Blow, built to 1/4" i.b.
 Final Open: No Blow
 Rec: 5' OCM: 15%o 85%
 IHP: 2078 FHP: 2046
 IFP: 27-31 FFP: 33-35
 ISIP: 245 FSIP: NA
 BHT: 118°F

Mud Check, CFS @ 4080':

Vis	Wt	WL	PV	YP
63	9.1	7.2	17	18
Chl	Hd	pH	LCM	Solids
35	40	11	1	5.3

Mud Check, Drlg @ 4090':

Vis	Wt	WL	PV	YP
56	9.1	7.2	15	15
Chl	Hd	pH	LCM	Solids
4200	80	10.5	2	6.2

Mud Check, TIH/Bit @ 4115':

Vis	Wt	WL	PV	YP
59	9.2	8.8	16	17
Chl	Hd	pH	LCM	Solids
4000	80	11.0	2	5.9

Mud Check, Drlg @ 4245':

Vis	Wt	WL	PV	YP
63	9.1	8.0	16	19
Chl	Hd	pH	LCM	Solids
4200	120	10.5	2	5.3

DST #8: 4296-4385 (Marmaton, Altamont)
 Times: 15-30-10-out
 Initial Open: Wk Blow, built to 1/4" i.b.
 died back to surf blow
 Final Open: No Blow
 Rec: 5' mud
 IHP: 2203 FHP: 2141
 IFP: 30-32 FFP: 22-33
 ISIP: 67 FSIP: NA
 BHT: 119°F

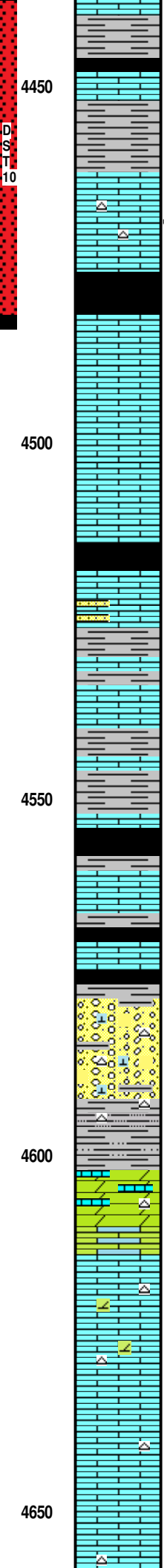
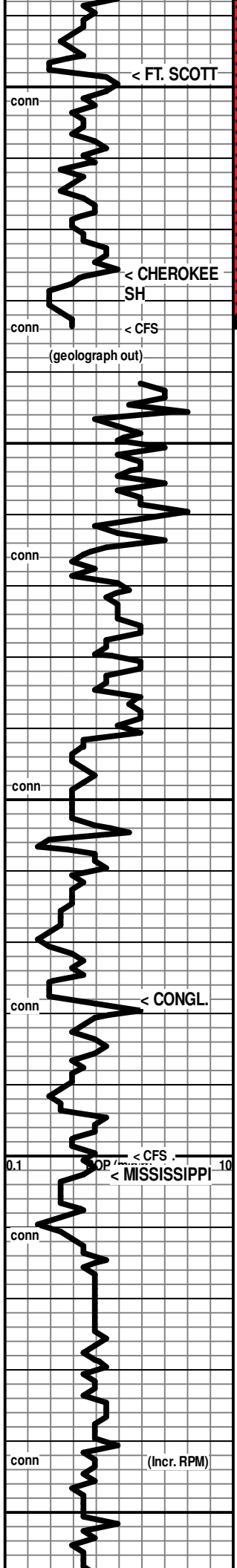
Mud Check, TOOH for DST8 @ 4385':

Vis	Wt	WL	PV	YP
67	9.4	9.6	18	19
Chl	Hd	pH	LCM	Solids
4400	160	10.5	2	7.3

7:00 AM, October 22, 2021

DST #9: 4395-4430 (Pawnee)
 Times: 15-30-45-90
 Initial Open: Stg Blow, b.o.b. 5 min, built to 32.5", Return blow built to 1"
 Final Open: Stg Blow, b.o.b. 7 min, built to 70", Return blow built to 47", Then died back to 42.25"
 Rec: 1040' Total Fluid, 1000' gas in pipe
 100' GCO: 15%g 85%o
 400' GOMCW: 15%g 10%o 45%w 30%
 540' SMCW: 95%w 05%
 (Oil: 42*API, Wtr: 45000ppm)
 IHP: 2172 FHP: 2134
 IFP: 55-220 FFP: 218-493
 ISIP: 1340 FSIP: 1327
 BHT: 141°F

7:00 AM, October 22, 2021



Sh gy-dk gy-black, carb in pt, silty in pt, calc in pt

← 4448 (-1447)

○ Ls cr-tan-brn, vfn-fn xln, dns & firm in pt, softer & chalky in pt, sli foss in pt

[No Odor, No fluor, found one pc with brn spots of str, NSFO]

Sh gy-grnsh-dk gy (v pr spl)

Ls wh-cr-tan, vfn-fn xln, mix of dns & firm to soft & chalky, Rr pcs with pr vix xln por & pp pores, foss, few pcs chert: fresh, pl gy, subopaq, foss/spiculitic

Show Descr. →

← 4476 (-1475)

Sh black, carb, washes dk gy (well repres in 4484' 20-min spl)

Ls wh-cr, vfn-fn xln, mostly dns & firm, some softer & chalky in patches and pcs, sli foss in pt

Ls cr-tan, vfn xln, dns, scatt foss

Ls wh-cr, vfn-fn xln, mostly dns & firm, some softer & chalky in patches and pcs, sli foss in pt

Sh black, carb

Ls wh-cr-tan, vfn-fn xln, dns & firm in pt, soft & chalky in pt, foss, some calc sd & glauc sd, vfn-fn gm, subrd-subang,

Ls wh-cr-tan, fn xln, dns to chalky; Sh gy-blk-grnsh

Ls wh-cr-tan, fn xln, dns to chalky; Sh gy-blk-grnsh

Sh gy-grnsh, subsilty in pt; Ls wh-cr, chalky to dns

Sh black, carb

4570' & 4580' spls: Ls wh-cr-tan, fn xln, dns to chalky, silty-sdy in pt, scatt glauc, mod aam't of embedded pyrite; Shale red-gy-grn-yell-purple, silty to earthy to argil to mushy (washes red)

← 4578 (-1577)

Cgl & Sh: 85% Shales red-gy-grn-yell-dk gy, sdy-silty in pt, earthy-argil in pt; 15% Ls-Sdy ls-Silt-Sd, Sd; wh-glassy, Vfn grn-fn gm with loose crs grains, subrd-subang, calc in pt, glauc in pt, pr-fr-gd fri; Chert: fresh, wh-cr-tan-yell, subopaq-subtransl, foss, (washes red)

4610' spl: 90% Shale mostly red, mushy-soft, silty in pt; some gy-grn, silty in pt, 10% pcs of sd, ls, siltstone, chert (washes deep red)

← 4602 (-1601)

Ls & Dol Ls & Limey Dol wh-cr-pl gy

(Samples have high shale content)

Ls wh-cr, fn xln, abund chalky-subchalky, some dolom, foss to abund foss

(4640' spl: 75% Shales mostly gy-grn-red)

4650' spl: 75% Shales, as above; 25% Ls wh-cr-pl gy, fn xln, subchalky in pt, dns in pt, foss, some fresh chert

4660' spl: 75% Shales, as above; 25% Ls wh-cr-pl gy, fn xln, subchalky in pt, dns in pt, foss, some fresh chert

Mud Check, TOOH with DST9 @ 4430':

Vis	Wt	WL	PV	YP
63	9.2	9.6	15	18
Chl	Hd	pH	LCM	Solids
4700	40	11.0	2	5.8

[No Odor, a few pcs with v dull spotty fluor, with brn spotty str, with trace-v sli show of NVL dk brn oil & tan-brn FO]

DST #10: 4436-4484 (Ft. Scott)
 Times: 15-30-10-out
 Initial Open: Wk Blow, built to 1/4" i.b.
 Final Open: No Blow
 Rec: 5' mud
 IHP: 2223 FHP: 2186
 IFP: 28-30 FFP: 29-30
 ISIP: 81 FSIP: NA
 BHT: 120°F

7:00 AM, October 24, 2021

Mud Check, Drlg @ 4523':

Vis	Wt	WL	PV	YP
59	9.2	8.8	16	16
Chl	Hd	pH	LCM	Solids
4000	80	10.5	2	5.9

CFS >

RTD 4675 Ft.
LTD 4675 Ft.

4700



865% Shale red-brnsh-gy-grn, earthy to silty to sdy text (washes red); 35% Ls wh-cr-pl gy, chalky to dns, some sdy, soft to firm, cherty: fresh, wh, subtransl, foss in pt

RTD 4657 Ft. Reached at 6:00 PM,
October 24, 2021!

COPELAND

Acid & Cement

BURRTON, KS ♦ GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

Page: 1

INVOICE NUMBER:
C60416-IN

BILL TO:
CARMEN SCHMITT, INC.
PO BOX 47
GREAT BEND, KS 67530

LEASE: NEW WELL SUNNY LEA 1-34

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
10/13/2021	60416		10/12/2021	NEW WELL SUNNY LEA	NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
		NEW WELL				
50.00	MI	MILEAGE PICKUP		0.00	2.00	100.00
50.00	MI	MILEAGE CEMENT PUMP TRUCK		0.00	4.00	200.00
1.00	EA	PUMP CHARGE SURFACE		0.00	1,100.00	1,100.00
200.00	SK	60/40 POZ MIX 2% GEL		0.00	11.25	2,250.00
11.00	SK	CALCIUM CHLORIDE		0.00	40.00	440.00
211.00	EA	BULK CHARGE		0.00	1.25	263.75
464.20	MI	BULK TRUCK - TON MILES		0.00	1.10	510.62
		<i>7/10/43</i> <i>14887.0134</i> <i>Well Rte</i> <i>BCP Surface Cement</i>				
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice: 4,864.37		
		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		THOMCO Sales Tax: 312.68		
RECEIVED BY _____		NET 30 DAYS		Invoice Total: 5,177.05		

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days pas

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service

Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code.



NEW WELL

FIELD ORDER

N° C 60416

BOX 438 - HAYSVILLE, KANSAS 67060
316-524-1225

DATE 12-Oct 20 21

IS AUTHORIZED BY: CARMEN SCHMITT (NAME OF CUSTOMER)

Address _____ City _____ State KS

TO TREAT WELL AS FOLLOWS Lease SUNNY LEA Well No. 1-34 Customer Order No. _____

Sec. Twp. Range 34-8-31W County THOMAS State KS

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.
The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED _____ By _____
Well Owner or Operator Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
20.0001	50	Mileage P.U.	\$2.00	\$100.00
20.0002	50	Mileage P.T.	\$4.00	\$200.00
20.0005	1	Pump Charge Surface	\$1,100.00	\$1,100.00
20.1002	200	60/40 Poz 2% Gel	\$11.25	\$2,250.00
20.1012	11	Calcium Chloride per 50 lb.	\$40.00	\$440.00
20.0011	211	Bulk Charge	\$1.25	\$263.75
20.0012	464.2	Bulk Truck Miles	\$1.10	\$510.62
		Process License Fee on	Gallons	
TOTAL BILLING				\$4,864.37

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative GREG C

Station GB MATT SUCHY
Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS

