KOLAR Document ID: 1511496

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 # 6569
Name: Carmen Schmitt, Inc.
Address 1: PO BOX 47
Address 2:
City: GREAT BEND State: KS Zip: 67530 + 0047
Contact Person: Matt Suchy
Phone: (620) 793-5100
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: Brad Rine
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 #:

3/9/2020 Spud Date or Recompletion Date
3/17/2020 Date Reached TD
3/17/2020 Completion Date or Recompletion Date

API No.: 15-163-24410-00-00
Spot Description:
NE - NE - NE - NE Sec. 36 Twp. 7 S. R. 16 ☐ East ☑ West
100 Feet from ☑ North / ☐ South Line of Section
300 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Rooks
Lease Name: SB UNIT Well #: 1
Field Name:
Producing Formation: NA
Elevation: Ground: 1777 Kelly Bushing: 1787
Total Vertical Depth: 3425 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1111 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: 23000 ppm Fluid volume: 800 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Carmen Schmitt
Lease Name: Tatkenhorst License #: 6569
Quarter SE Sec. 10 Twp. 9 S. R. 16 ☐ East ☑ West
County: Rooks Permit #: D-07,317

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: 06/10/2020
☐ **Confidential Release Date:** 06/10/2022
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ **I** ☑ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 06/10/2020

Operator Name: Carmen Schmitt, Inc. Lease Name: SB UNIT Well #: 1

Sec. 36 Twp. 7 S. R. 16 ☐ East ☑ West County: Rooks

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 *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Stone Corral	1113	674
Topeka	2706	-919
Heebner Sh.	2926	-1139
Toronto	2949	-1162
Lansing	2973	-1186
B/ KC	3237	-1450
Marmaton	3272	-1485

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	1111	60/40	450	3%cc,2%gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	SB UNIT 1
Doc ID	1511496

All Electric Logs Run

Gamma
Dual Induction
Dual Comp Porosity
Micro

Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	SB UNIT 1
Doc ID	1511496

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	1111	60/40	450	3%cc,2%gel

COPELAND
Acid & Cement

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

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

Invoice

INVOICE NUMBER: C60102-IN

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

LEASE: NEW WELL SB UNIT #1

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS
03/11/2020	60102		03/11/2020	NEW WELL SB UNIT #1	NET 30

QUANTITY	U/M	ITEM NO./DESCRIPTION	D/C	PRICE	EXTENSION
		NEW WELL			
45.00	MI	MILEAGE PICKUP	21.00	2.00	71.10
45.00	MI	MILEAGE CEMENT PUMP TRUCK	21.00	4.00	142.20
1.00	EA	PUMP CHARGE-SURFACE	21.00	1,100.00	869.00
250.00	SK	65/35 POZ MIX 2% GEL	21.00	11.50	2,271.25
200.00	SK	60/40 POZ MIX 2% GEL	21.00	11.25	1,777.50
9.00	SK	2% ADDITIONAL GEL	21.00	22.00	156.42
24.00	SK	CALCIUM CHLORIDE	21.00	40.00	758.40
1.00	EA	8 5/8" WOOD PLUG	21.00	65.00	51.35
1.00	EA	8 5/8" BAFFLE PLATE	21.00	105.00	82.95
483.00	EA	BULK CHARGE	21.00	1.25	476.96
956.34	MI	BULK TRUCK - TON MILES	21.00	1.10	831.06

7/10/43
19770.0001
Well File
Surface Cement

BCP

REMIT TO:
P.O. BOX 438
HAYSVILLE, KS 67060

RECEIVED BY

COP

FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.

NET 30 DAYS

Net Invoice:	7,488.19
ROOCO Sales Tax:	356.85
Invoice Total:	**7,845.04**

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

COPELAND Acid & Cement

NEW WELL

FIELD ORDER N° C 60102

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

DATE 11-Mar 20 20

IS AUTHORIZED BY: CARMEN SCHMITT INC
(NAME OF CUSTOMER)

Address _____ City _____ State _____

TO TREAT WELL
AS FOLLOWS Lease SB UNIT Well No. 1 Customer Order No. _____

Sec. Twp.
Range 36-7S-16W County ROOKS 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	45	Mileage P.U.	$2.00	$90.00	NT
20.0002	45	Mileage P.T.	$4.00	$180.00	NT
20.0005	1	Pump Charge Surface	$1,100.00	$1,100.00	NT
20.1003	250	65/35 Poz 2% Gel	$11.50	$2,875.00	
20.1002	200	60/40 Poz 2% Gel	$11.25	$2,250.00	
20.1004	9	Add. Gel after 2% Per Sack	$22.00	$198.00	
20.1012	24	Calcium Chloride per 50 lb.	$40.00	$960.00	
20.202	1	8 5/8" Wood Plug	$65.00	$65.00	
20.2018	1	8 5/8 Baffle Plate	$105.00	$105.00	
20.0011	483	Bulk Charge	$1.25	$603.75	NT
20.0012	956.34	Bulk Truck Miles	$1.10	$1,051.97	NT
		Process License Fee on Gallons			
		TOTAL BILLING		$9,478.72	

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. $7488.19

Copeland Representative ALAN CURTIS

Station GB MATT SUCHY
Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS

COPELAND Acid & Cement

TREATMENT REPORT

Acid Stage No. _____

Date 3/11/2020 District GB F.O. No. C60101

Company CARMEN SCHMITT

Well Name & No. SB UNIT #1

Location _____ Field _____

County ROOKS State KS

Casing: Size 8 5/8 Type & Wt. _____ Set at _____ ft.

Formation: _____ Perf. _____ to _____

Formation: _____ Perf. _____ to _____

Formation: _____ Perf. _____ to _____

Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.

Cemented: Yes Perforated from _____ ft. to _____ ft.

Tubing: Size & Wt. _____ Swung at _____ ft.

Perforated from _____ ft. to _____ ft.

Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Type Treatment:	Amt.		Type Fluid	Sand Size	Pounds of Sand
Bkdown		Bbl./Gal.			
		Bbl./Gal.			
		Bbl./Gal.			
		Bbl./Gal.			
Flush		Bbl./Gal.			

Treated from _____ ft. to _____ ft. No. ft. 0

from _____ ft. to _____ ft. No. ft. 0

from _____ ft. to _____ ft. No. ft. 0

Actual Volume of Oil / Water to Load Hole: _____ Bbl./Gal.

Pump Trucks. No. Used: Std. 320 Sp. _____ Twin _____

Auxiliary Equipment 367-310T

Personnel ALAN GREG CLARENCE

Auxiliary Tools _____

Plugging or Sealing Materials: Type _____

_____ Gals. _____ lb.

Company Representative MATT SUCHY Treater ALAN CURTIS

TIME a.m./p.m.	PRESSURES Tubing	PRESSURES Casing	Total Fluid Pumped	REMARKS
7:00				ON LOCATION
9:45				START RUNNING PIPE
				PUMP 250 SKS 65/35 6% GEL 3% CC & 200 SKS 60/40 2% GEL 3% CC
				DISPLACE WITH 70 BBLS OF H20
12:45				PLUG LANDED @ 12:45
				CEMENT CIRCULATED TO SURFACE
1:00				JOB COMPLETE
				THANK YOU!!!

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc.**

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

SB Unit #1

36-7s-16w Rooks,KS

Start Date: 2020.03.13 @ 11:48:00
End Date: 2020.03.13 @ 18:58:09
Job Ticket #: 66534 DST #: 1

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

Printed: 2020.03.18 @ 08:10:22

DRILL STEM TEST REPORT

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66534 **DST#: 1**

Test Start: 2020.03.13 @ 11:48:00

GENERAL INFORMATION:

Formation: **Topeka - LKC B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:44:30
Time Test Ended: 18:58:09

Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Nichols
Unit No: 71

Interval: 2718.00 ft (KB) To 2750.00 ft (KB) (TVD)
Total Depth: 2750.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

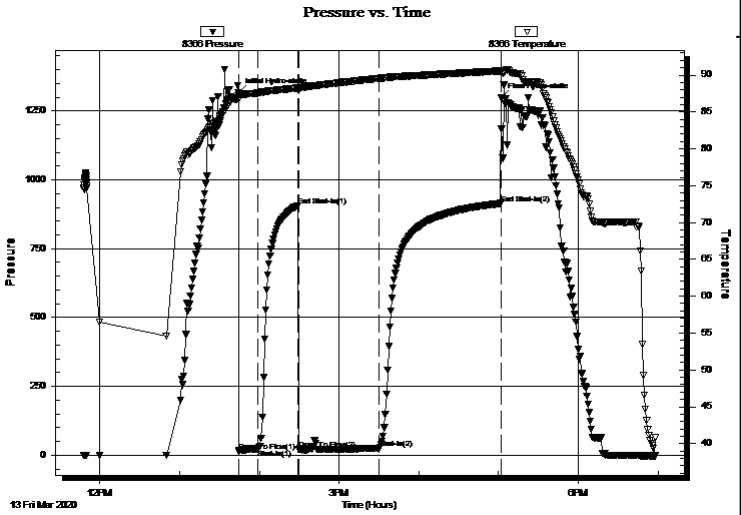
Reference Elevations: 1786.00 ft (KB)
1777.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8366 **Outside**

Press@RunDepth: 24.61 psig @ 2719.00 ft (KB)
Start Date: 2020.03.13 End Date: 2020.03.13
Start Time: 11:48:01 End Time: 18:58:10

Capacity: 8000.00 psig
Last Calib.: 2020.03.13
Time On Btm: 2020.03.13 @ 13:44:20
Time Off Btm: 2020.03.13 @ 17:02:09

TEST COMMENT: 15 IF - Surface blow built to 1/4"
30 ISI - No return
60 FF - Surface blow
90 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1315.53	87.21	Initial Hydro-static
1	14.55	86.66	Open To Flow (1)
15	20.13	87.56	Shut-In(1)
45	906.91	88.26	End Shut-In(1)
46	20.58	87.89	Open To Flow (2)
106	24.61	89.56	Shut-In(2)
198	914.26	90.56	End Shut-In(2)
198	1297.21	90.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w / oil spots in tool 100%M	0.02

Gas Rates

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

DRILL STEM TEST REPORT

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66534 **DST#: 1**

Test Start: 2020.03.13 @ 11:48:00

GENERAL INFORMATION:

Formation: **Topeka - LKC B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:44:30
Time Test Ended: 18:58:09

Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Nichols
Unit No: 71

Interval: 2718.00 ft (KB) To 2750.00 ft (KB) (TVD)
Total Depth: 2750.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

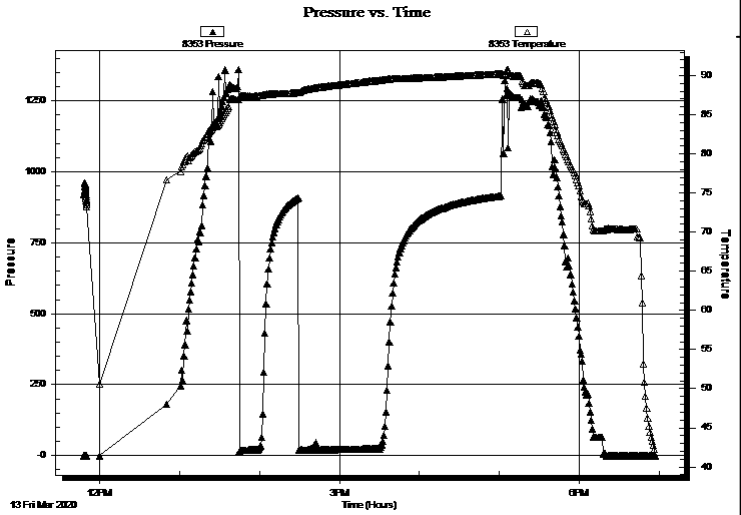
Reference Elevations: 1786.00 ft (KB)
1777.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8353 **Inside**

Press@RunDepth: psig @ 2719.00 ft (KB)
Start Date: 2020.03.13 End Date: 2020.03.13
Start Time: 11:48:01 End Time: 18:58:00

Capacity: 8000.00 psig
Last Calib.: 2020.03.13
Time On Btm:
Time Off Btm:

TEST COMMENT: 15 IF - Surface blow built to 1/4"
30 ISI - No return
60 FF - Surface blow
90 FSI - No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w / oil spots in tool 100%M	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66534 **DST#: 1**

Test Start: 2020.03.13 @ 11:48:00

Tool Information

Drill Pipe:	Length:	2606.00 ft	Diameter:	3.80	inches	Volume:	36.56	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	115.00 ft	Diameter:	2.25	inches	Volume:	0.57	bbl	
						Total Volume:	37.13	bbl	

Drill Pipe Above KB:	31.00 ft
Depth to Top Packer:	2718.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	32.00 ft
Tool Length:	60.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		60000.00 lb
Tool Chased		4.00 ft
String Weight:	Initial	40000.00 lb
	Final	40000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			2695.00		
Hydraulic tool	5.00			2700.00		
Jars	5.00			2705.00		
Safety Joint	3.00			2708.00		
Packer	5.00			2713.00	28.00	Bottom Of Top Packer
Packer	5.00			2718.00		
Stubb	1.00			2719.00		
Recorder	0.00	8353	Inside	2719.00		
Recorder	0.00	8366	Outside	2719.00		
Perforations	28.00			2747.00		
Bullnose	3.00			2750.00	32.00	Bottom Packers & Anchor
Total Tool Length:	**60.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66534 **DST#: 1**

Test Start: 2020.03.13 @ 11:48:00

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:	66.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.97 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

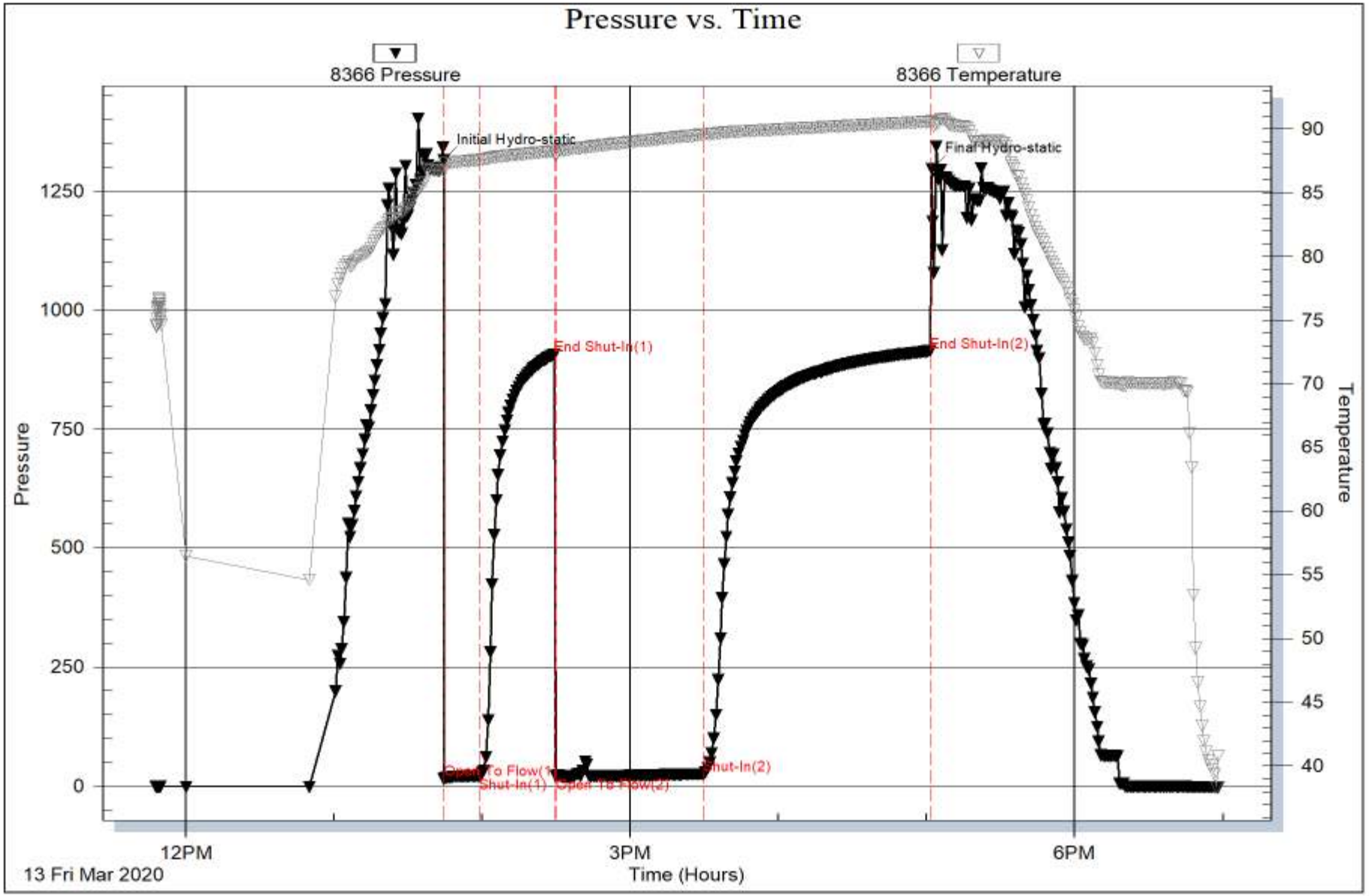
Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w / oil spots in tool 100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

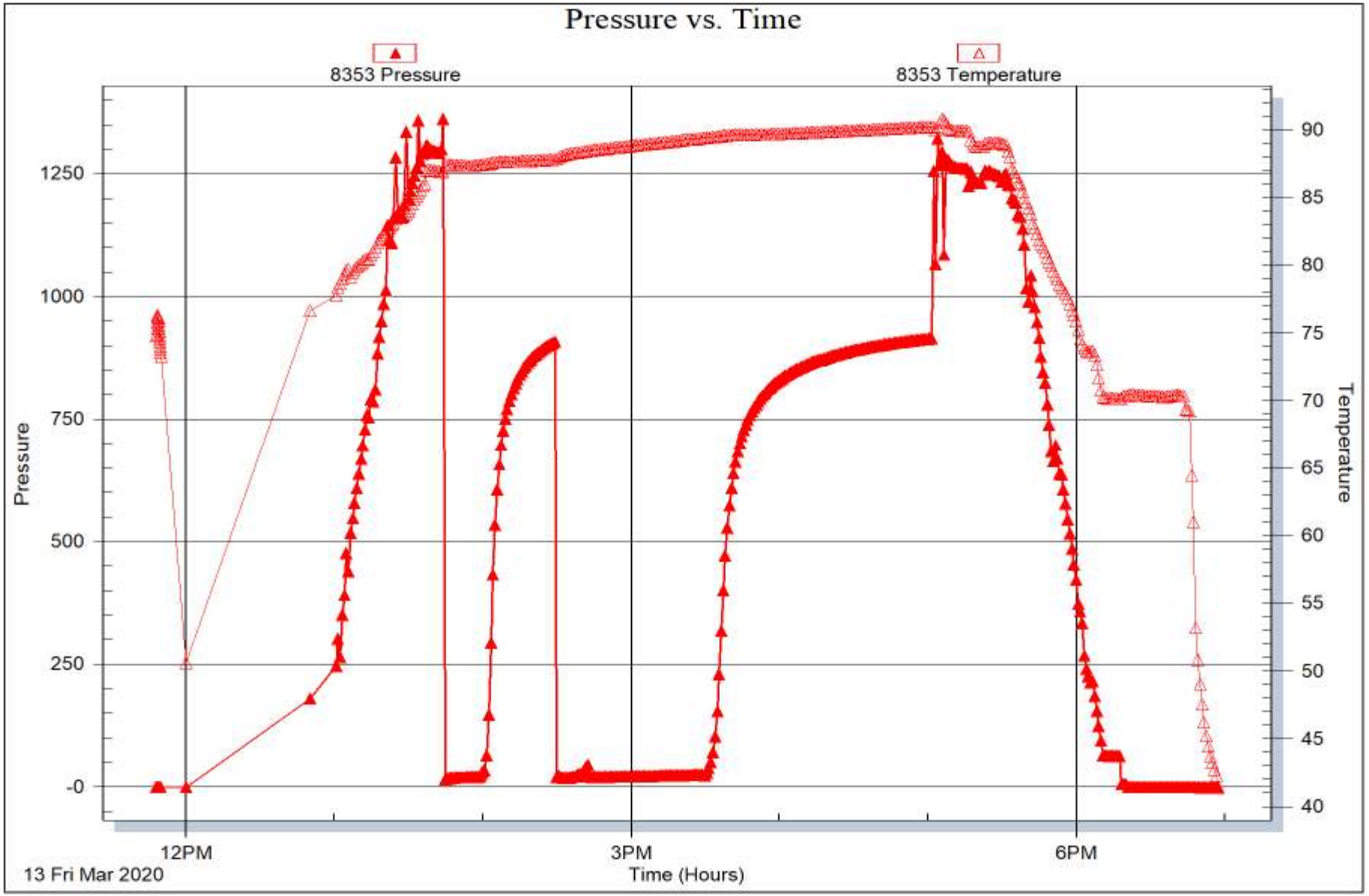
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8366 **Outside** Carmen Schmitt Inc. SB Unit #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 66534 Printed: 2020.03.18 @ 08:10:23

Serial #: 8353 **Inside** Carmen Schmitt Inc. SB Unit #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 66534 Printed: 2020.03.18 @ 08:10:23

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc.**

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

SB Unit #1

36-7s-16w Rooks,KS

Start Date: 2020.03.14 @ 03:48:00
End Date: 2020.03.14 @ 08:49:00
Job Ticket #: 66535 DST #: 2

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

Printed: 2020.03.18 @ 08:09:56

DRILL STEM TEST REPORT

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66535 **DST#: 2**

Test Start: 2020.03.14 @ 03:48:00

GENERAL INFORMATION:

Formation: **Lecompton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:20:40
Time Test Ended: 08:49:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 71

Interval: 2798.00 ft (KB) To 2850.00 ft (KB) (TVD)
Total Depth: 2850.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

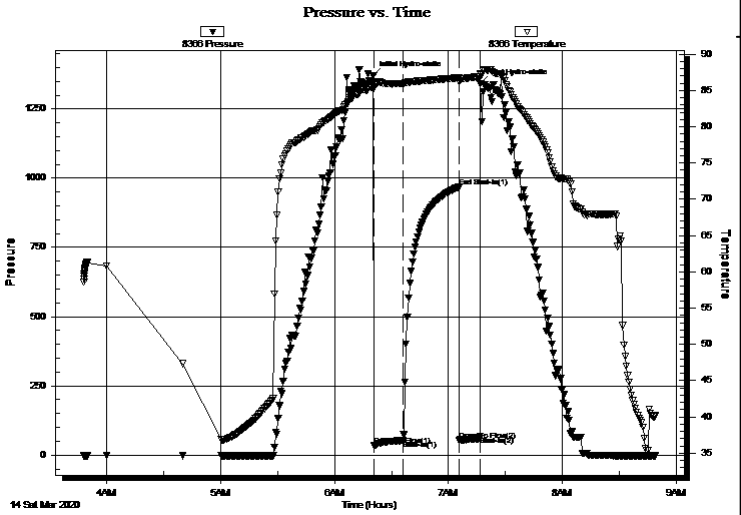
Reference Elevations: 1786.00 ft (KB)
1777.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8366 **Outside**

Press@RunDepth: 52.60 psig @ 2799.00 ft (KB)
Start Date: 2020.03.14 End Date: 2020.03.14
Start Time: 03:48:01 End Time: 08:49:00

Capacity: 8000.00 psig
Last Calib.: 2020.03.14
Time On Btm: 2020.03.14 @ 06:20:20
Time Off Btm: 2020.03.14 @ 07:16:50

TEST COMMENT: 15 IF - Opened tool pushing through bridge 10' off bottom, slide 6', 2" blow built to 4 1/4"
30 ISI - No return
10 FF - Rare intermediate surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1369.74	85.46	Initial Hydro-static
1	33.62	85.26	Open To Flow (1)
16	52.60	85.97	Shut-In(1)
45	967.85	86.75	End Shut-In(1)
46	54.06	86.21	Open To Flow (2)
57	66.76	86.87	Shut-In(2)
57	1340.99	87.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud 100%M	0.34

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66535 **DST#: 2**

Test Start: 2020.03.14 @ 03:48:00

GENERAL INFORMATION:

Formation: **Lecompton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:20:40
Time Test Ended: 08:49:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 71

Interval: 2798.00 ft (KB) To 2850.00 ft (KB) (TVD)
Total Depth: 2850.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

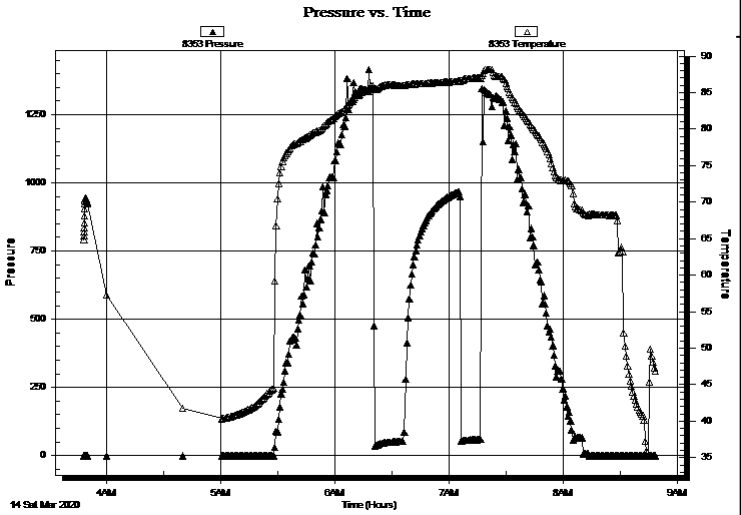
Reference Elevations: 1786.00 ft (KB)
1777.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8353 **Inside**

Press@RunDepth: psig @ 2799.00 ft (KB)
Start Date: 2020.03.14 End Date: 2020.03.14
Start Time: 03:48:01 End Time: 08:48:50

Capacity: 8000.00 psig
Last Calib.: 2020.03.14
Time On Btm:
Time Off Btm:

TEST COMMENT: 15 IF - Opened tool pushing through bridge 10' off bottom, slide 6', 2" blow built to 4 1/4"
30 ISI - No return
10 FF - Rare intermediate surface blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud 100%M	0.34

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66535 **DST#: 2**

Test Start: 2020.03.14 @ 03:48:00

Tool Information

Drill Pipe:	Length:	2670.00 ft	Diameter:	3.80	inches	Volume:	37.45	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	115.00 ft	Diameter:	2.25	inches	Volume:	0.57	bbl	
						Total Volume:	38.02	bbl	

Drill Pipe Above KB:	15.00 ft
Depth to Top Packer:	2798.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	52.00 ft
Tool Length:	80.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		65000.00 lb
Tool Chased		10.00 ft
String Weight:	Initial	40000.00 lb
	Final	40000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			2775.00		
Hydraulic tool	5.00			2780.00		
Jars	5.00			2785.00		
Safety Joint	3.00			2788.00		
Packer	5.00			2793.00	28.00	Bottom Of Top Packer
Packer	5.00			2798.00		
Stubb	1.00			2799.00		
Recorder	0.00	8353	Inside	2799.00		
Recorder	0.00	8366	Outside	2799.00		
Perforations	15.00			2814.00		
Blank Spacing	33.00			2847.00		
Bullnose	3.00			2850.00	52.00	Bottom Packers & Anchor
Total Tool Length:	**80.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66535 **DST#: 2**

Test Start: 2020.03.14 @ 03:48:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.97 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

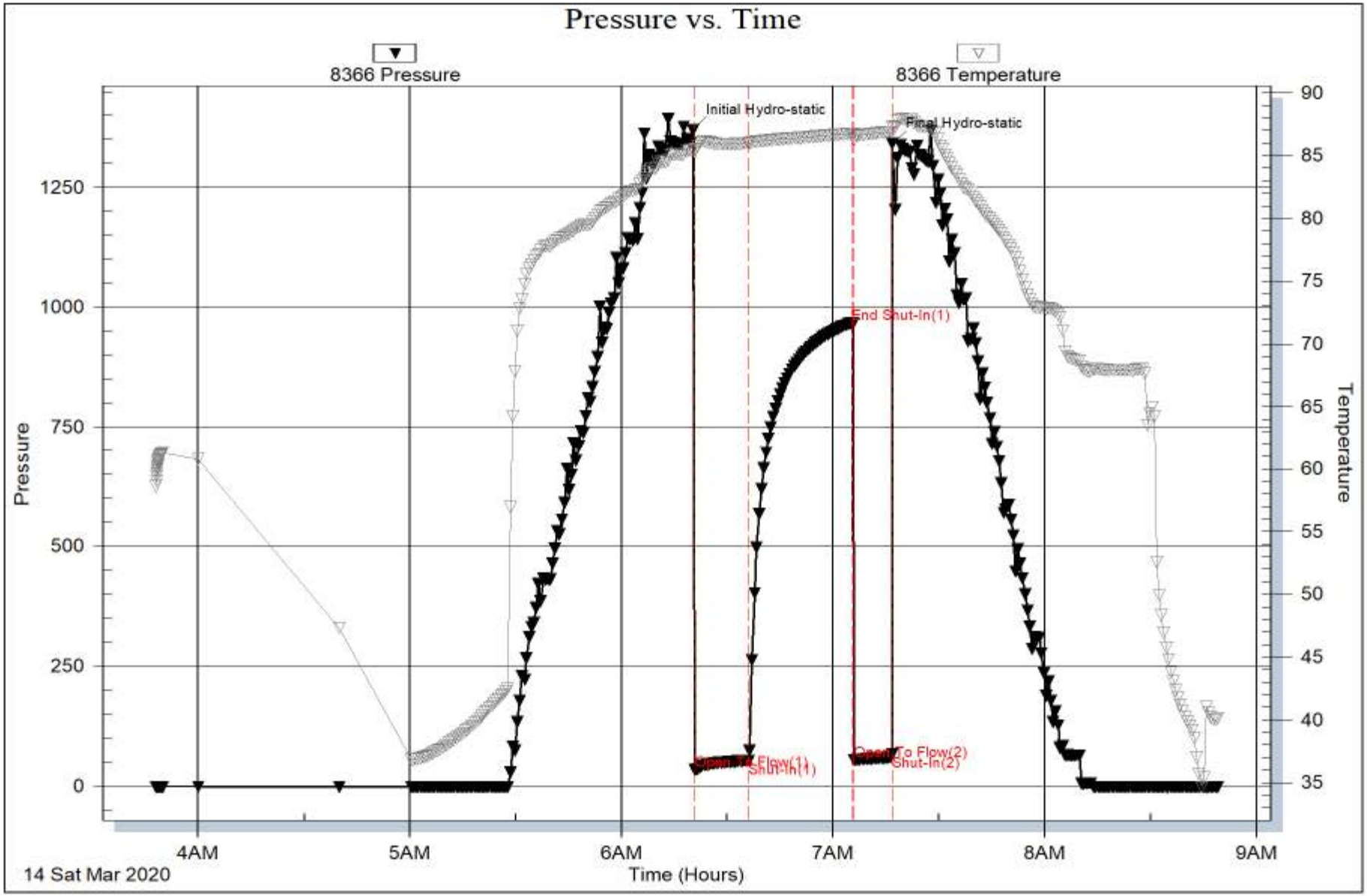
Recovery Table

Length ft	Description	Volume bbl
70.00	Mud 100%M	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

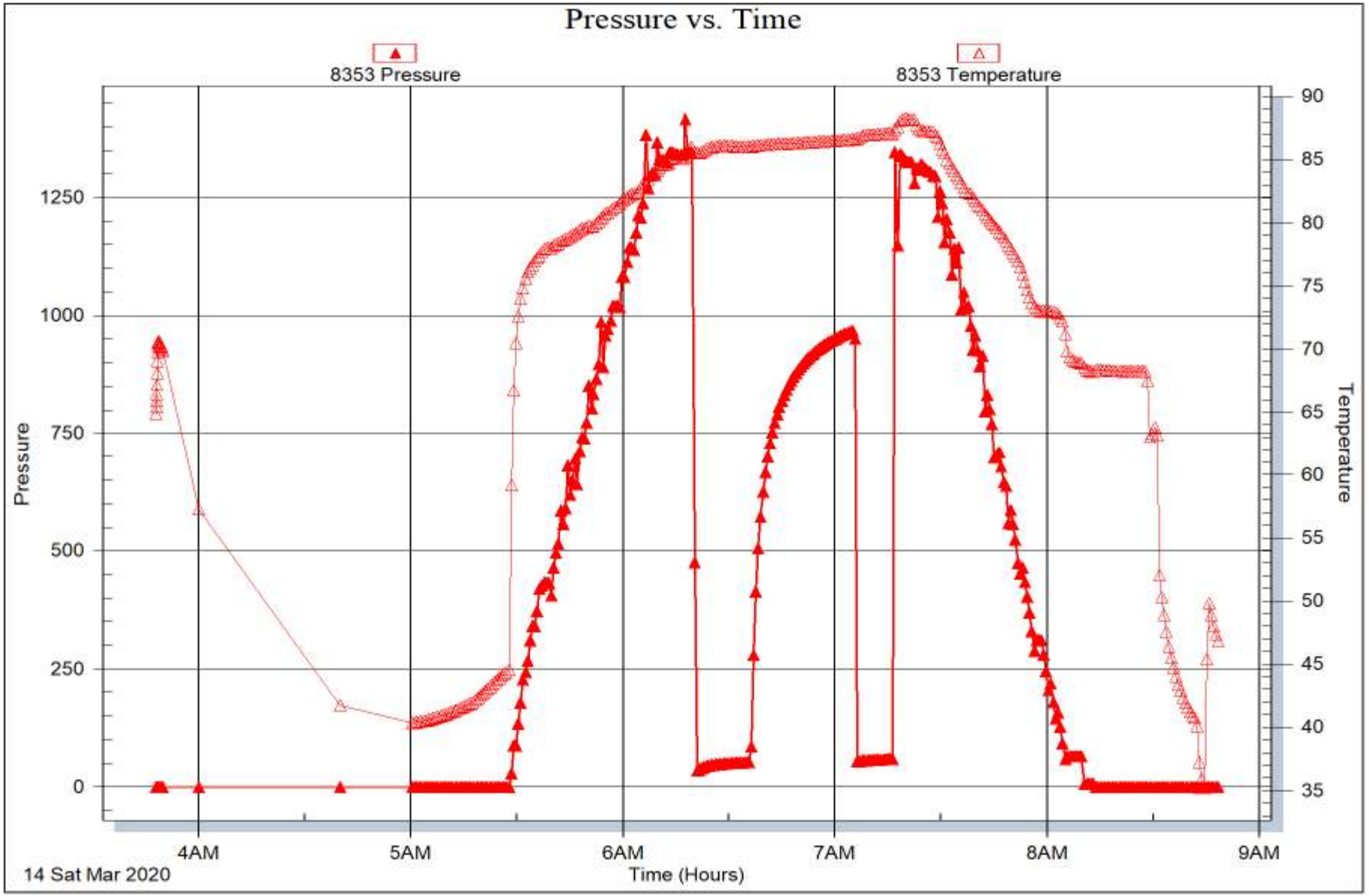
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8366 **Outside** Carmen Schmitt Inc. SB Unit #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 66535 Printed: 2020.03.18 @ 08:09:56

Serial #: 8353 **Inside** Carmen Schmitt Inc. SB Unit #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 66535 Printed: 2020.03.18 @ 08:09:57

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc.**

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

SB Unit #1

36-7s-16w Rooks,KS

Start Date: 2020.03.14 @ 20:59:00
End Date: 2020.03.15 @ 02:12:20
Job Ticket #: 66536 DST #: 3

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

Printed: 2020.03.18 @ 08:09:26

DRILL STEM TEST REPORT

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66536 **DST#: 3**

Test Start: 2020.03.14 @ 20:59:00

GENERAL INFORMATION:

Formation: **LKC " A "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:36:40
Time Test Ended: 02:12:20

Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 71

Interval: 2920.00 ft (KB) To 2990.00 ft (KB) (TVD)
Total Depth: 2990.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

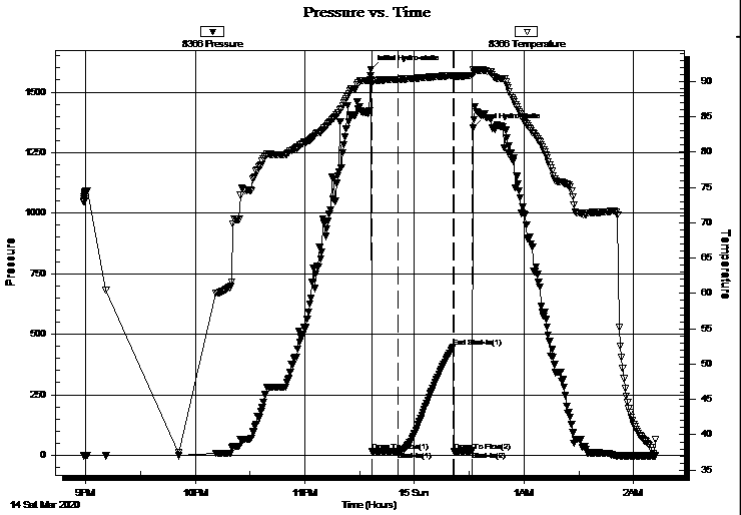
Reference Elevations: 1786.00 ft (KB)
1777.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8366 **Outside**

Press@RunDepth: 16.77 psig @ 2921.00 ft (KB)
Start Date: 2020.03.14 End Date: 2020.03.15
Start Time: 20:59:01 End Time: 02:12:20

Capacity: 8000.00 psig
Last Calib.: 2020.03.15
Time On Btm: 2020.03.14 @ 23:36:20
Time Off Btm: 2020.03.15 @ 00:32:00

TEST COMMENT: 15 IF - Slide 20' to bottom, Surface blow
30 ISI - No return
10 FF - No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1593.88	90.18	Initial Hydro-static
1	15.68	89.64	Open To Flow (1)
15	16.77	90.28	Shut-In(1)
45	447.53	90.83	End Shut-In(1)
46	17.11	90.68	Open To Flow (2)
56	17.81	90.82	Shut-In(2)
56	1351.48	91.69	Final Hydro-static

Recovery

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

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66536 **DST#: 3**

Test Start: 2020.03.14 @ 20:59:00

GENERAL INFORMATION:

Formation: **LKC " A "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:36:40
Time Test Ended: 02:12:20

Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 71

Interval: 2920.00 ft (KB) To 2990.00 ft (KB) (TVD)
Total Depth: 2990.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

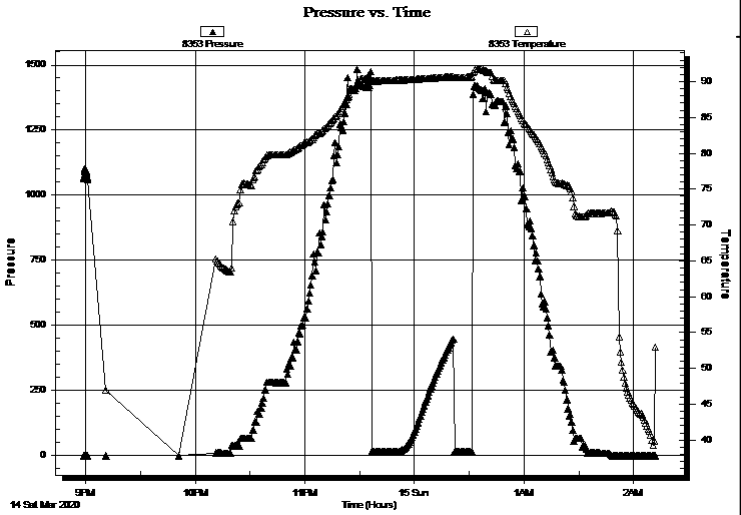
Reference Elevations: 1786.00 ft (KB)
1777.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8353 **Inside**

Press@RunDepth: psig @ 2921.00 ft (KB)
Start Date: 2020.03.14 End Date: 2020.03.15
Start Time: 20:59:01 End Time: 02:12:10

Capacity: 8000.00 psig
Last Calib.: 2020.03.15
Time On Btm:
Time Off Btm:

TEST COMMENT: 15 IF - Slide 20' to bottom, Surface blow
30 ISI - No return
10 FF - No blow



PRESSURE SUMMARY

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

Recovery

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

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66536 **DST#: 3**

Test Start: 2020.03.14 @ 20:59:00

Tool Information

Drill Pipe:	Length:	2797.00 ft	Diameter:	3.80	inches	Volume:	39.23	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	115.00 ft	Diameter:	2.25	inches	Volume:	0.57	bbl	
						Total Volume:	39.80	bbl	

Drill Pipe Above KB:	20.00 ft
Depth to Top Packer:	2920.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	70.00 ft
Tool Length:	98.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		50000.00 lb
Tool Chased		20.00 ft
String Weight:	Initial	40000.00 lb
	Final	40000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			2897.00		
Hydraulic tool	5.00			2902.00		
Jars	5.00			2907.00		
Safety Joint	3.00			2910.00		
Packer	5.00			2915.00	28.00	Bottom Of Top Packer
Packer	5.00			2920.00		
Stubb	1.00			2921.00		
Recorder	0.00	8353	Inside	2921.00		
Recorder	0.00	8366	Outside	2921.00		
Perforations	32.00			2953.00		
Blank Spacing	34.00			2987.00		
Bullnose	3.00			2990.00	70.00	Bottom Packers & Anchor
Total Tool Length:	**98.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66536 **DST#: 3**

Test Start: 2020.03.14 @ 20:59:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.17 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

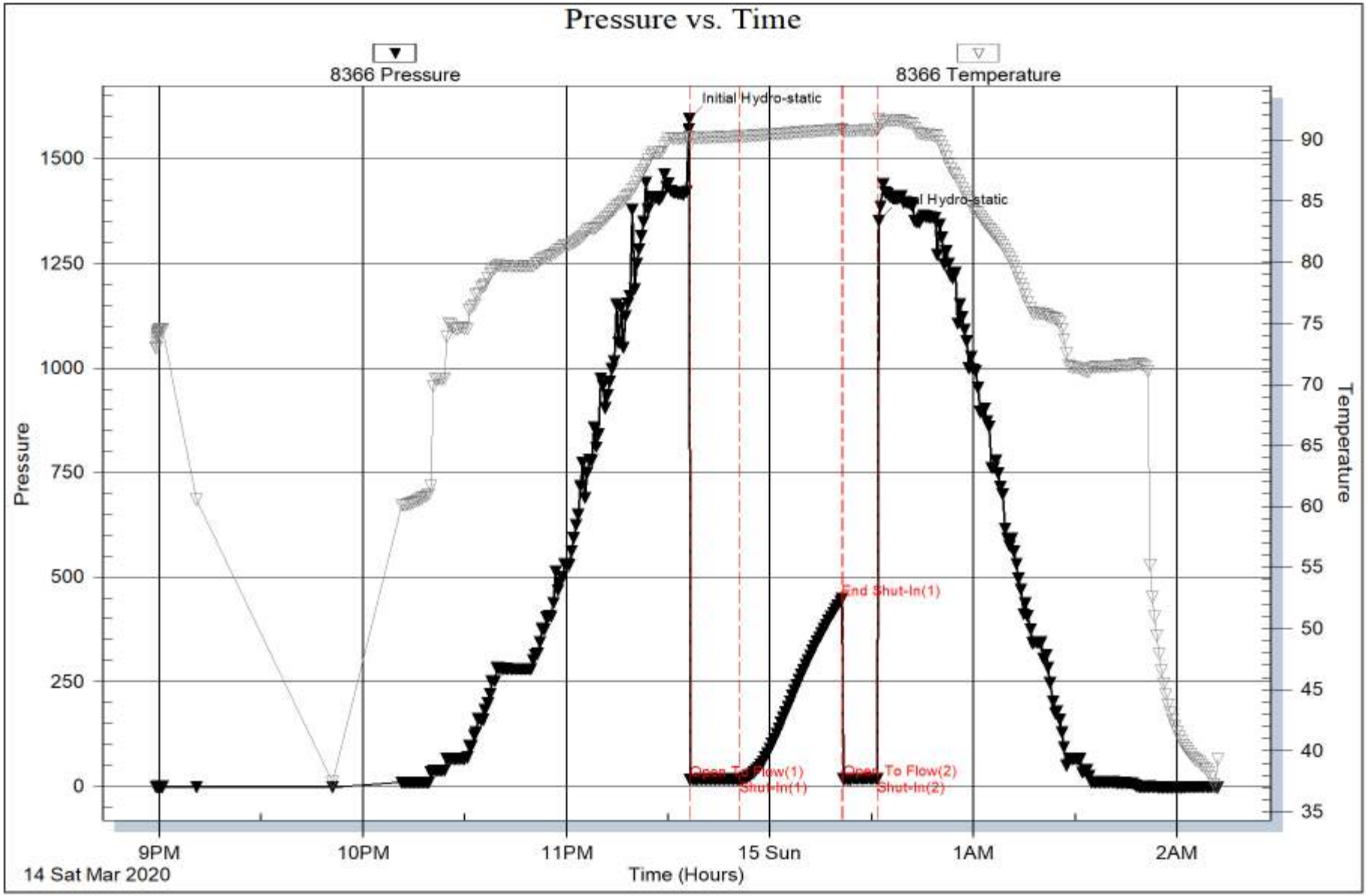
Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%M	0.025

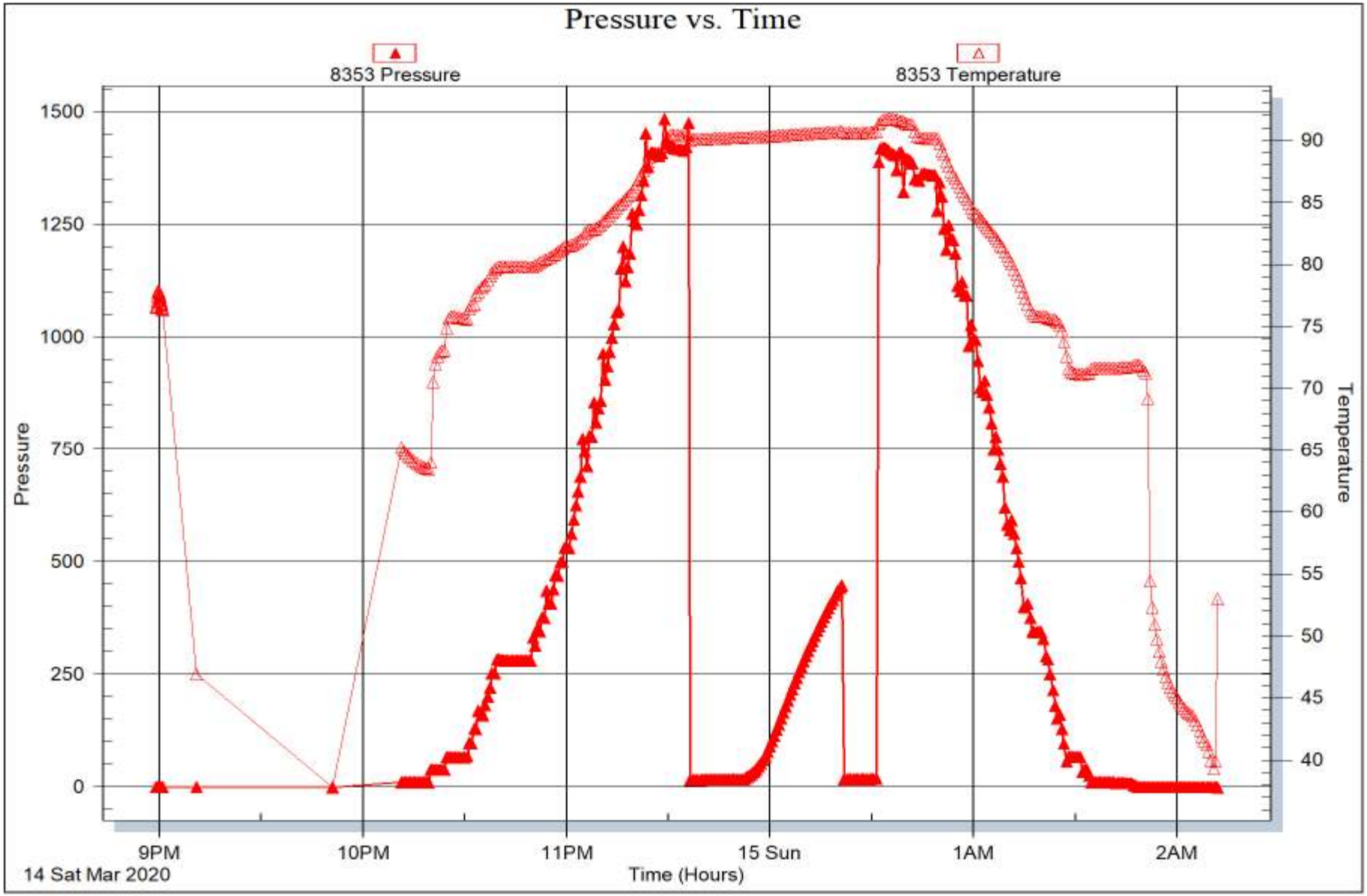
Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8366 **Outside** Carmen Schmitt Inc. SB Unit #1 DST Test Number: 3



Serial #: 8353 **Inside** Carmen Schmitt Inc. SB Unit #1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 66536 Printed: 2020.03.18 @ 08:09:27

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc.**

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

SB Unit #1

36-7s-16w Rooks,KS

Start Date: 2020.03.15 @ 11:06:00
End Date: 2020.03.15 @ 16:37:09
Job Ticket #: 66537 DST #: 4

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

Printed: 2020.03.18 @ 08:08:57

DRILL STEM TEST REPORT

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66537 **DST#: 4**

Test Start: 2020.03.15 @ 11:06:00

GENERAL INFORMATION:

Formation: **LKD " B - C "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:56:30
Time Test Ended: 16:37:09

Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 71

Interval: 2984.00 ft (KB) To 3030.00 ft (KB) (TVD)
Total Depth: 3030.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

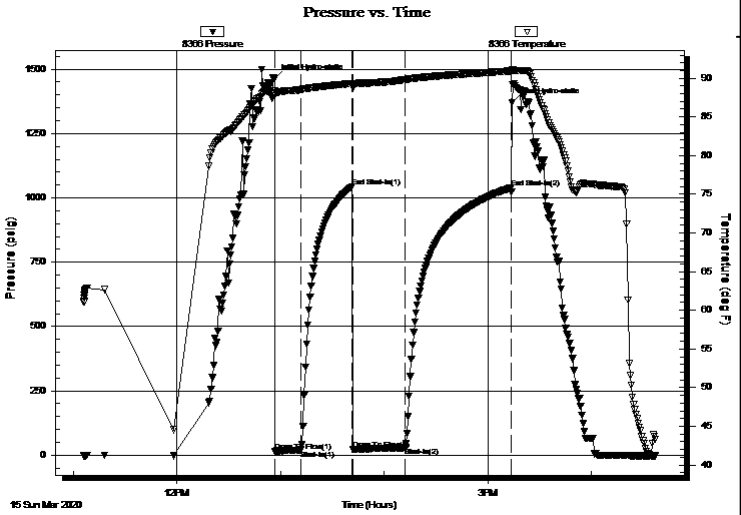
Reference Elevations: 1786.00 ft (KB)
1777.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8366 **Outside**

Press@RunDepth: 28.71 psig @ 2985.00 ft (KB)
Start Date: 2020.03.15 End Date: 2020.03.15
Start Time: 11:06:01 End Time: 16:37:10

Capacity: 8000.00 psig
Last Calib.: 2020.03.15
Time On Btm: 2020.03.15 @ 12:56:20
Time Off Btm: 2020.03.15 @ 15:13:50

TEST COMMENT: 15 IF - Surface blow built to 1"
30 ISI - No return
30 FF - Surface blow started @ 3 mins built to 1/4"
60 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1464.68	88.37	Initial Hydro-static
1	15.53	87.74	Open To Flow (1)
16	20.34	88.52	Shut-In(1)
45	1043.62	89.33	End Shut-In(1)
46	21.77	88.71	Open To Flow (2)
76	28.71	89.80	Shut-In(2)
137	1039.05	90.93	End Shut-In(2)
138	1370.29	91.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%M	0.07

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66537 **DST#: 4**

Test Start: 2020.03.15 @ 11:06:00

GENERAL INFORMATION:

Formation: **LKD " B - C "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:56:30
Time Test Ended: 16:37:09

Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 71

Interval: 2984.00 ft (KB) To 3030.00 ft (KB) (TVD)
Total Depth: 3030.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

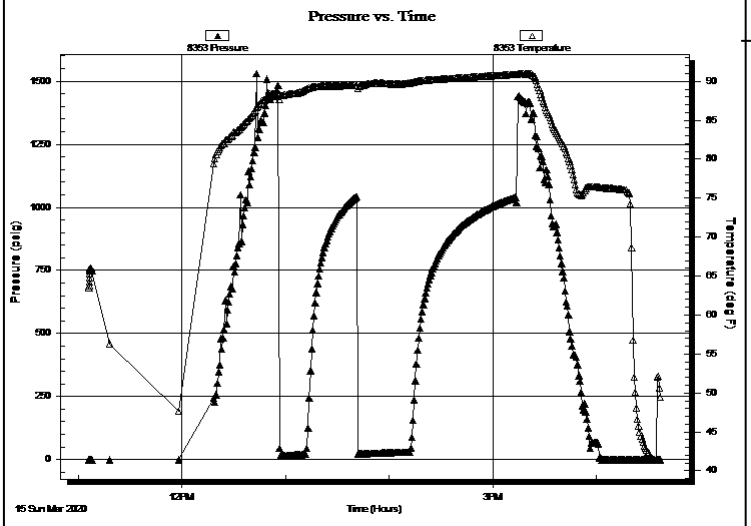
Reference Elevations: 1786.00 ft (KB)
1777.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8353 **Inside**

Press@RunDepth: psig @ 2985.00 ft (KB)
Start Date: 2020.03.15 End Date: 2020.03.15
Start Time: 11:06:01 End Time: 16:37:00

Capacity: 8000.00 psig
Last Calib.: 2020.03.15
Time On Btm:
Time Off Btm:

TEST COMMENT: 15 IF - Surface blow built to 1"
30 ISI - No return
30 FF - Surface blow started @ 3 mins built to 1/4"
60 FSI - No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%M	0.07

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66537 **DST#: 4**

Test Start: 2020.03.15 @ 11:06:00

Tool Information

Drill Pipe:	Length:	2861.00 ft	Diameter:	3.80	inches	Volume:	40.13	bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	115.00 ft	Diameter:	2.25	inches	Volume:	0.57	bbl	Weight to Pull Loose:	50000.00 lb
						Total Volume:	40.70	bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		20.00 ft							String Weight: Initial	40000.00 lb
Depth to Top Packer:		2984.00 ft							Final	40000.00 lb
Depth to Bottom Packer:		ft								
Interval betw een 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			2961.00		
Hydraulic tool	5.00			2966.00		
Jars	5.00			2971.00		
Safety Joint	3.00			2974.00		
Packer	5.00			2979.00	28.00	Bottom Of Top Packer
Packer	5.00			2984.00		
Stubb	1.00			2985.00		
Recorder	0.00	8353	Inside	2985.00		
Recorder	0.00	8366	Outside	2985.00		
Perforations	8.00			2993.00		
Blank Spacing	34.00			3027.00		
Bullnose	3.00			3030.00	46.00	Bottom Packers & Anchor
Total Tool Length:	**74.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc.

PO Box 47
Great Bend KS 67530

ATTN: Brad Rine

36-7s-16w Rooks,KS

SB Unit #1

Job Ticket: 66537 **DST#: 4**

Test Start: 2020.03.15 @ 11:06:00

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:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	1.00 inches				

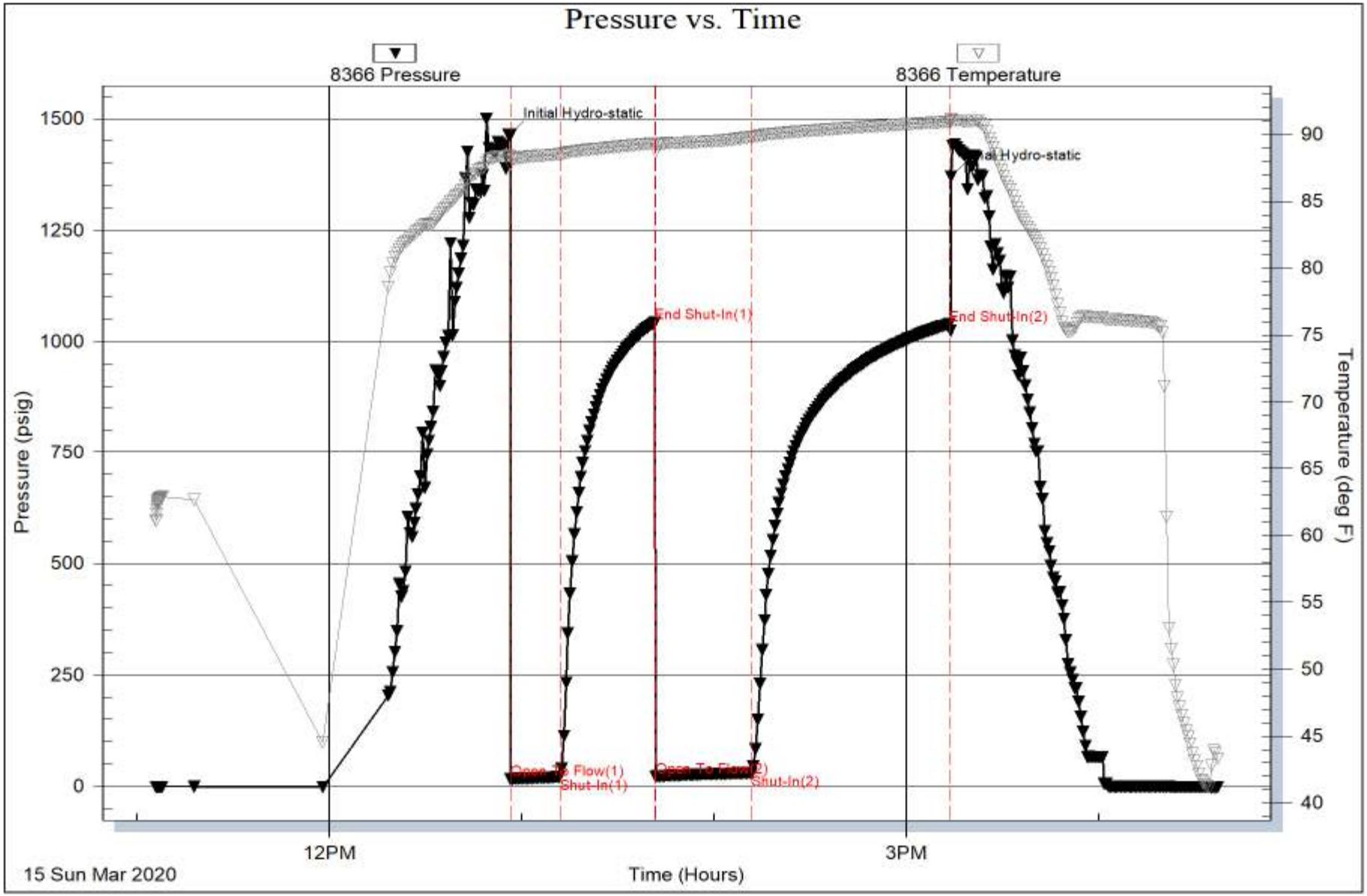
Recovery Information

Recovery Table

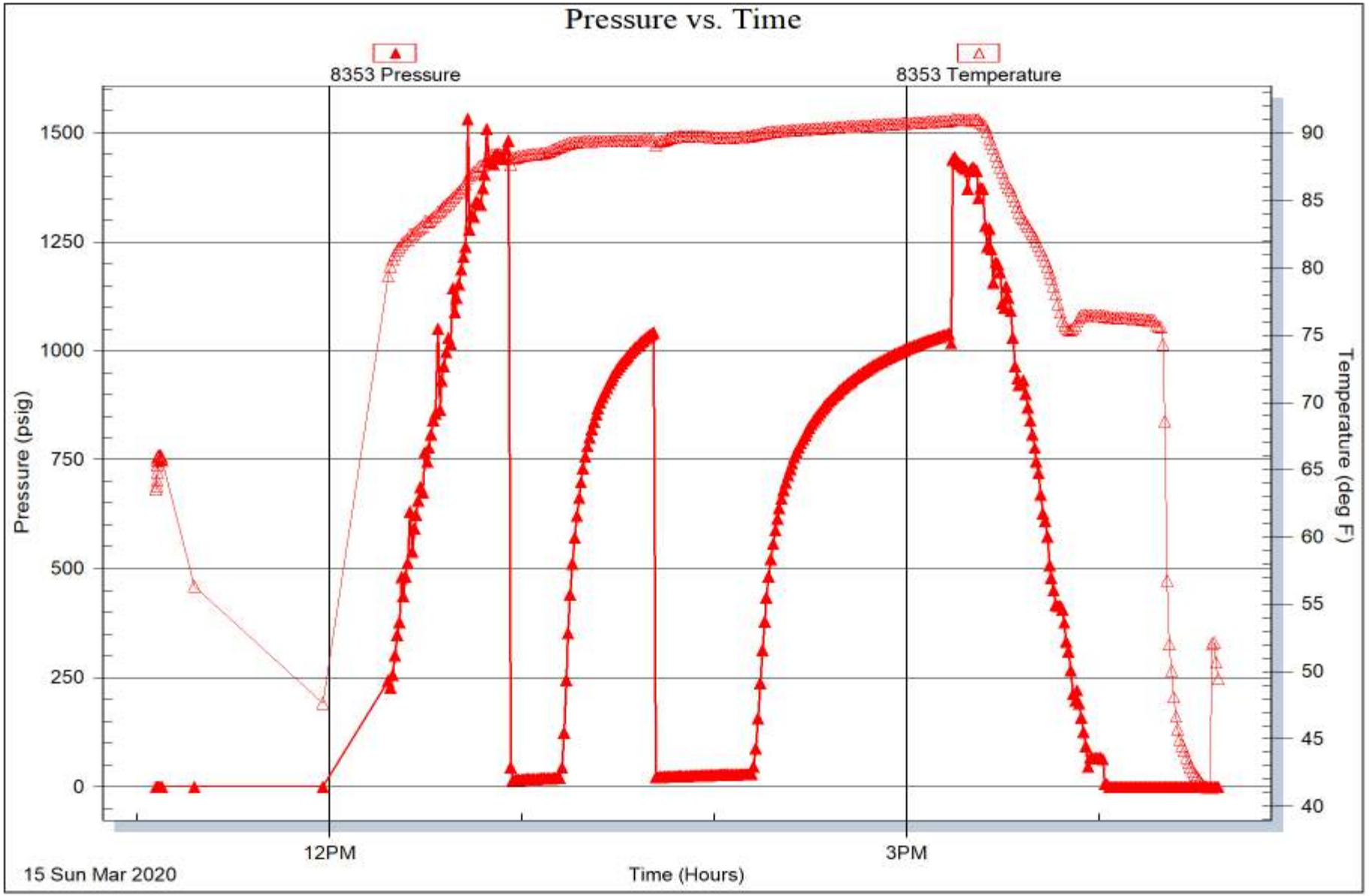
Length ft	Description	Volume bbl
15.00	Mud 100%M	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8366 Pressure
8366 Temperature
Initial Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
1500
1250
1000
750
500
250
0
90
85
80
75
70
65
60
55
50
45
40
12PM
3PM
15 Sun Mar 2020
Time (Hours)

Serial #: 8353 **Inside** Carmen Schmitt Inc. SB Unit #1 DST Test Number: 4



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket 66534

NO.

Well Name & No. SB Unit #1 Test No. 1 Date 3/23/20

Company Carmen Schmitt Inc. Elevation 1766 KB 1777 GL

Address P.O. Box 47 Great Bend KS 67530

Co. Rep / Geo. Brad Kine Rig Southwind #8

Location: Sec. 36 Twp 7S Rge. 16W Co. Rooks State KS

Interval Tested 2718-2750 Zone Tested Topeka B

Anchor Length 32' Drill Pipe Run 2606' Mud Wt. 8.8

Top Packer Depth 2713 Drill Collars Run 115' Vis 66

Bottom Packer Depth 2718 Wt. Pipe Run 0' WL 8.0

Total Depth 2750 Chlorides 2000 ppm System LCM 4

Blow Description 15 IF - Surface blow built to 1/4"

30 ISI - No return

60 FF - Surface blow

90 FSI - No return

Rec 5'	Feet of Mud w/oil spots in tool	%gas Spots	%oil	%water 100	%mud	
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 91° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1316	☑ Test 1200	T-On Location 11:15	
(B) First Initial Flow 15	☑ Jars 250	T-Started 11:48	
(C) First Final Flow 20	☑ Safety Joint 75	T-Open 13:44	
(D) Initial Shut-In 907	☐ Circ Sub	T-Pulled 17:00	
(E) Second Initial Flow 21	☐ Hourly Standby	T-Out 18:45	
(F) Second Final Flow 25	☑ Mileage 112 RT 112	Comments	
(G) Final Shut-In 914	☐ Sampler		
(H) Final Hydrostatic 1297	☐ Straddle	☐ EM Tool	
	☐ Shale Packer	☐ Ruined Shale Packer	
Initial Open 15	☐ Extra Packer	☐ Ruined Packer	
Initial Shut-In 30	☐ Extra Recorder	☐ Extra Copies	
Final Flow 60	☐ Day Standby	Sub Total 0	
Final Shut-In 90	☐ Accessibility	Total 1637	
	Sub Total 1637	MP/DST Disc't	

Approved By Our Representative Ryan Mitchell

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66535

NO.

Well Name & No. SB Unit #1 Test No. 2 Date 3/14/20

Company Carmen Schmitt Inc. Elevation 1786 KB 1777 GL

Address P.O. Box 47 Great Bend KS 67530

Co. Rep / Geo. Brad Kine Rig Southwind #8

Location: Sec. 36 Twp 7S Rge. 16W Co. Rooks State KS

Interval Tested 2798 - 2850 Zone Tested Lecompton

Anchor Length 52' Drill Pipe Run 2670' Mud Wt. 8.9

Top Packer Depth 2793 Drill Collars Run 115' Vis 51

Bottom Packer Depth 2798 Wt. Pipe Run 0' WL 8.0

Total Depth 2850 Chlorides 2000 ppm System LCM 4

Blow Description ISIF - Opened tool pushing through bridge 10' off bottom, slide 6", 2" blow built to 4 1/4"

30 ISI - No return

10 FF - rare intermediate surface blow

Rec 70'	Feet of Mud	%gas	%oil	%water 100	%mud	
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 70' BHT 87° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1370

(B) First Initial Flow 34

(C) First Final Flow 53

(D) Initial Shut-In 968

(E) Second Initial Flow 54

(F) Second Final Flow 67

(G) Final Shut-In

(H) Final Hydrostatic 1340

Initial Open 15

Initial Shut-In 30

Final Flow 10

Final Shut-In

- ☑ Test 1200
- ☑ Jars 250
- ☑ Safety Joint 75
- ☐ Circ Sub
- ☐ Hourly Standby
- ☑ Mileage 112 RT
- ☐ Sampler
- ☐ Straddle
- ☐ Shale Packer
- ☐ Extra Packer
- ☐ Extra Recorder
- ☐ Day Standby
- ☐ Accessibility

Sub Total 1637

T-On Location 03:15

T-Started 03:48

T-Open 06:20

T-Pulled 07:16

T-Out 08:45

Comments

- ☐ EM Tool
- ☐ Ruined Shale Packer
- ☐ Ruined Packer
- ☐ Extra Copies

Sub Total 0

Total 1637

MP/DST Disc't

Approved By Our Representative Ryan Nicholas

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket 66536

NO.

Well Name & No. SB Unit #1 Test No. 3 Date 3/14/20

Company Carmen Schmitt Inc. Elevation 1786 KB 1777 GL

Address P.O. Box 47 Great Bend KS 67530

Co. Rep / Geo. Brad Rine Rig Southwind #8

Location: Sec. 36 Twp 7S Rge. 16 W Co. Rooks State KS

Interval Tested 2920 - 2990 Zone Tested LKC "A"

Anchor Length 70' Drill Pipe Run 2797 Mud Wt. 9.1

Top Packer Depth 2915 Drill Collars Run 115' Vis 51

Bottom Packer Depth 2920 Wt. Pipe Run 0" WL 9.2

Total Depth 2990 Chlorides 2000 ppm System LCM 2

Blow Description 15IF - Slide 20' to bottom, surface blow
30ISI - No return
10FF - No blow

Rec 5'	Feet of Mud	%gas	%oil	%water 100	%mud
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 91° Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic 1594	☑ Test 1200	T-On Location 20:30
(B) First Initial Flow 16	☑ Jars 250	T-Started 20:59
(C) First Final Flow 17	☑ Safety Joint 75	T-Open 23:36
(D) Initial Shut-In 448	☐ Circ Sub	T-Pulled 00:31
(E) Second Initial Flow 17	☐ Hourly Standby	T-Out 02:15
(F) Second Final Flow 18	☑ Mileage 112 RT 112	Comments
(G) Final Shut-In	☐ Sampler	
(H) Final Hydrostatic 1351	☐ Straddle	☐ EM Tool
	☐ Shale Packer	☐ Ruined Shale Packer
Initial Open 15	☐ Extra Packer	☐ Ruined Packer
Initial Shut-In 30	☐ Extra Recorder	☐ Extra Copies
Final Flow 10	☐ Day Standby	Sub Total 0
Final Shut-In	☐ Accessibility	Total 1637
	Sub Total 1637	MP/DST Disc't

Approved By Our Representative Tyler Nichols

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket 66537

NO.

Well Name & No. SB Unit #1 Test No. 4 Date 3/15/20

Company Carmen Schmitt Inc. Elevation 1786 KB 1777 GL

Address P.O. Box 47 Great Bend KS 67530

Co. Rep / Geo. Brad Rine Rig Southwind #8

Location: Sec. 36 Twp 7S Rge. 16W Co. Rooks State KS

Interval Tested 2984 - 3030 Zone Tested LKC "B-C"

Anchor Length 46' Drill Pipe Run 2861' Mud Wt. 9.3

Top Packer Depth 2979 Drill Collars Run 115' Vis 60

Bottom Packer Depth 2984 Wt. Pipe Run 0' WL 8.0

Total Depth 3030 Chlorides 4000 ppm System LCM 2

Blow Description 15 IF - Surface blow built to 1"

30 ISI - No return

30 FF - Surface blow started @ 3 mins built to 1/4"

60 FSI - No return

Rec 15'	Feet of Mud	%gas	%oil	%water 100	%mud	
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 15' BHT 91° Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic 1465

(B) First Initial Flow 16

(C) First Final Flow 28

(D) Initial Shut-In 1044

(E) Second Initial Flow 22

(F) Second Final Flow 29

(G) Final Shut-In 1039

(H) Final Hydrostatic 1370

Initial Open 15

Initial Shut-In 30

Final Flow 30

Final Shut-In 60

- ☑ Test 1200
- ☑ Jars 250
- ☑ Safety Joint 75
- ☐ Circ Sub
- ☐ Hourly Standby
- ☑ Mileage 112 RT 224
- ☐ Sampler
- ☐ Straddle
- ☐ Shale Packer
- ☐ Extra Packer
- ☐ Extra Recorder
- ☐ Day Standby
- ☐ Accessibility

Sub Total 1749

T-On Location 10:30

T-Started 11:06

T-Open 12:56

T-Pulled 15:13

T-Out 16:40

Comments loaded tools 3/16 8:30

- ☐ EM Tool
- ☐ Ruined Shale Packer
- ☐ Ruined Packer
- ☐ Extra Copies

Sub Total 0

Total 1749

MP/DST Disc't

Approved By Our Representative Kyle Nichols

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name:	**SB Unit #1 - Carmen Schmitt, Inc.**
API:	**15-163-24410-00-00**
Location:	**Approx NE-NE-NE-NE, Section 36-07S-16W**
License Number:	**KCC #6569**
Region:	**Rooks Co., Kansas**
Spud Date:	**March 09, 2020**
Drilling Completed:	**March 17, 2020**
Surface Coordinates:	**100' FNL and 300' FEL, of Section**
Results:	**D & A**
Bottom Hole Coordinates:	**Vertical Wellbore**
Field:	**Wildcat**
Ground Elevation (ft):	**1777 Ft.**
K.B. Elevation (ft):	**1787 Ft.**
Logged Interval (ft):	**2100 Ft. To: 3425 Ft.**
Total Depth (ft):	**RTD 3425 Ft. LTD 3422 Ft.**
Formation:	**Pre-Pennsylvanian Conglomerate at Total Depth**
Type of Drilling Fluid:	**Chemical**

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 "SB Unit #1", on March 17, 2020.

Respectfully submitted,
M. Bradford Rine, geologist

Drilling Information

Rig: Southwind, Rig #8
Pump: Emsco D-375 6 x 14
Drawworks: RMI 550
Collars: 407' 2-1/4 x 6-1/4
Drillpipe: 4-1/2" 16.6# XH
Toolpusher: Jay Krier

Mud: Mudco (Gary Schmidtberger, Matt Smith)
Gas Detector: None
Drill Stem Tests: Trilobite (Ryan Nichols)
Logs: Pioneer (J. Henrickson)
Water: Creek East of Location (Midwest Water Line)
Company Representatives:
Office: Carmen Schmitt
Field: None

Daily Drilling Status

Date:	Operations/Depth/Comments
03-09-20	Rig Up, Spud @ 0'
03-10-20	Drilling @ 388'
03-11-20	Waiting on Cement @ 1111'
03-12-20	Drilling @ 1895'
03-13-20	Drilling @ 2704'
03-14-20	On Bottom with DST #2 @ 2850'
03-15-20	Work on Rig @ 3007'
03-16-20	Circulate for Samples @ 3210'
03-17-20	Prepare to plug @ 3425'
	Plugging completed at 12:15 PM

	Results:	D & A		(Well A)	D & A	(Well B)	D & A		
	Carmen Schmitt, Inc.			Carmen Schmitt, Inc.		D&D Drilling Co., Inc.			
	SB Unit #1			Circle Trust #1		Lala #1			
	100'FNL & 300'FEL			330'FSL & 2239'FEL		C-SW-SE			
	Sec. 36-7S-16W			Sec. 25-7S-16W		Sec. 36-7S-16W			
	KB	1787		KB	1870	KB	1878	Well A	Well B
Formations	Sample	E-Log	Datum	E-Log	Datum	E-Log	Datum	Comparison(s)	
Anhydrite	NC	1113	674	1194	676	1231	647	-2	27
B/Anhydrite	NC	1144	643	1227	643	1277	601	0	42
Neva	NC	2143	-356	2229	-359	2288	-410	3	54
Tarkio	2553	2251	-464	2631	-761	2710	-832	297	368
Topeka	2709	2706	-919	2787	-917	2868	-990	-2	71
Heebner Sh.	2924	2926	-1139	3005	-1135	3090	-1212	-4	73
Toronto	2953	2949	-1162	3028	-1158	3122	-1244	-4	82
Lansing	2973	2973	-1186	3051	-1181	3140	-1262	-5	76
Muncie Creek Sh.	3105	3102	-1315	3178	-1308	3270	-1392	-7	77
Stark Sh.	3183	3179	-1392	3254	-1384	3356	-1478	-8	86
B/Kansas City	3244	3237	-1450	3311	-1441	3404	-1526	-9	76
Marmaton	3275	3272	-1485	3346	-1476	3440	-1562	-9	77
B/Penn Lime	3358	3355	-1568	3424	-1554	3533	-1655	-14	87
Viola (1rst Dol.)	DNP	DNP		Abs.		3619	-1741		
Simpson	DNP	DNP		Abs.		NDE			
Arbuckle	DNP	DNP		3469	-1599	NDE			
Total Depth	3425	3422	-1635	3692	-1822	3642	-1764	187	129

Casing Record, Bit Record, Deviation Surveys

CASING:

Conductor: None

Surface: Ran 26 joints of 8 5/8" 23# new casing, Tally @ 1099.31', Set @ 1111'. (Copeland) Cement with 450 sks: 250 sacks of Hal B Light, 200 sks of 60/40 Poz, 3% cc, 2% gel. Plug down @ 1:00am, March 11, 2020. Cement did circulate.

Production: Plugged as follows: (Copeland) Plug with 190 sx Total of 60/40 POZ, 4% gel, 1/4# flo-seal. 100 sx @ 1160', 50 sx @ 500', 10 sx @ 40', 30 sx in Rathole. Plugging completed at 12:15 pm on March 17, 2020.

BITS:

No.	Size	Make	Model	Depth In	Depth Out	Hours
1	12-1/4	JZ	RT	0	1111'	11.25
2	7-7/8	HTC	6X20rr	1111'	2453'(2485')	21.75
3	7-7/8	HTC	GX20rt	2485'	2990'	14.75
4	7-7/8	Smith	EH21	2990'	3425'	16.00

DEVIATION SURVEYS:

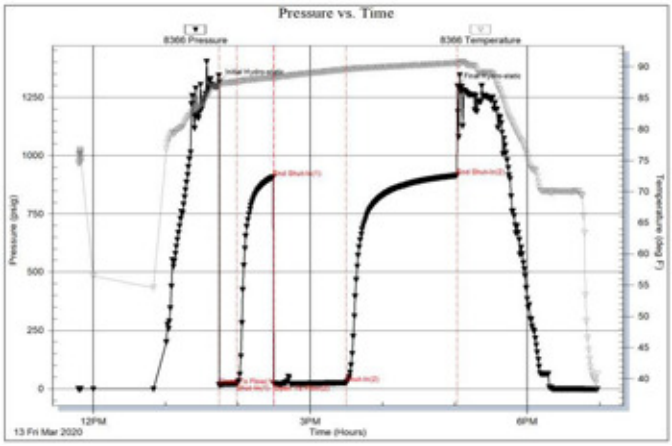
Deviation:	Depth:	Deviation:	Depth:
1.50*	1111'	1.00*	2750'
1.00*	2453' (2485')	1.50*	3425'

PIPE STRAPS:

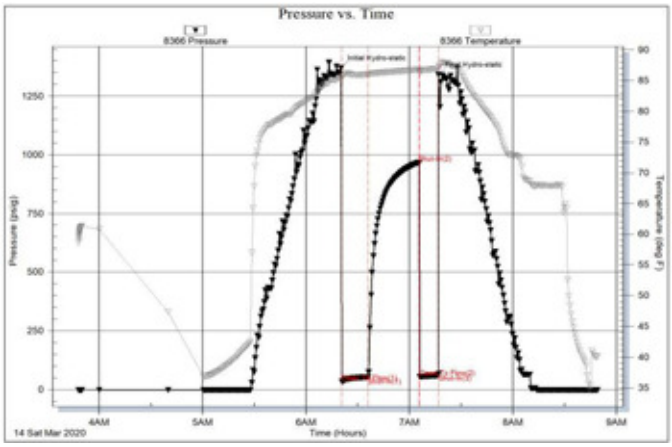
Difference:	Depth:
32.67' Long	2453' (Correction made, geolograph reset to 2485')
0.72'	2750'

MUDUP:
Displace: 2257'
Complete: 2308'

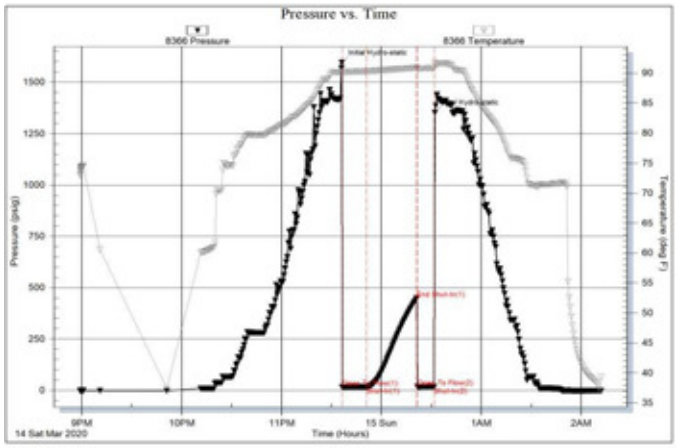
DST #1: 2718-2750 (Topeka B)
Times: 15-30-60-90
Initial Open: Wk Blow, built to 1/4" i.b.
Final Open: Wk Surf Blow
Rec: 5' mud/oil spots in tool
IHP: 1316 FHP: 1297
IFP: 15-20 FFP: 21-25
ISIP: 907 FSIP: 914
BHT: 91*F



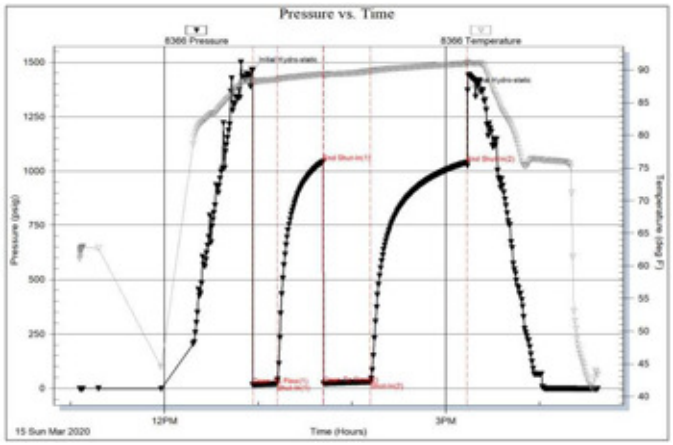
DST #2: 2798-2850 (Lecompton)
Times: 15-30-10-out
Initial Open: *Wk Blow, opened at 2-1/2" - built to 4-1/4" i.b.
Final Open: V Wk intermittent surface bubbles
Rec: 70' mud
IHP: 1370 FHP: 1340
IFP: 34-53 FFP: 54-67
ISIP: 968 FSIP: NA
BHT: 87*F
*(Tool hit bridge/fill 10' off bottom, then slid 6'. Then v slowly and v sli sliding during test)



DST #3: 2920-2990 (Toronto, Lansing A)
TImes: 15-30-10-out
Initial Open: *Wk Surface Blow
Final open: No Blow
Rec: 5' mud
IHP: 1394 FHP: 1351
IFP: 16-17 FFP: 17-18
ISIP: 448 FSIP: NA
BHT: 91*F
*(Slid tool 20 feet to bottom, tool did not open until on bottom)



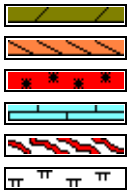
DST #4: 2984-3030 (Lansing B,C)
Times: 15-30-30-60
Initial Open: Wk Blow, built to 1" i.b.
Final Open: Wk Blow, built to 1/4" i.b.
Rec: 15' mud
IHP: 1465 FHP: 1370
IFP: 16-20 FFP: 22-29
ISIP: 1044 FSIP: 1039
BHT: 91*F



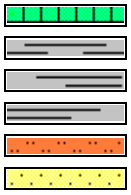
Rock Types

Cgl/gran wash
Dol ls/lmy dol
New symbol
Dol ls/lmy dol
New symbol
Anhy

Bent
Brec
Cht
Clyst
Blk sh/coal
Congl



Dol
Gyp
Igne
Lmst
Meta
Mrlst



Salt
Shale
Shcol
Shgy
Sltst
Ss

Till
Sltysh
Shlysiltst
Sandyls

Accessories

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER

- Anhy
- Shale
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

Other Symbols

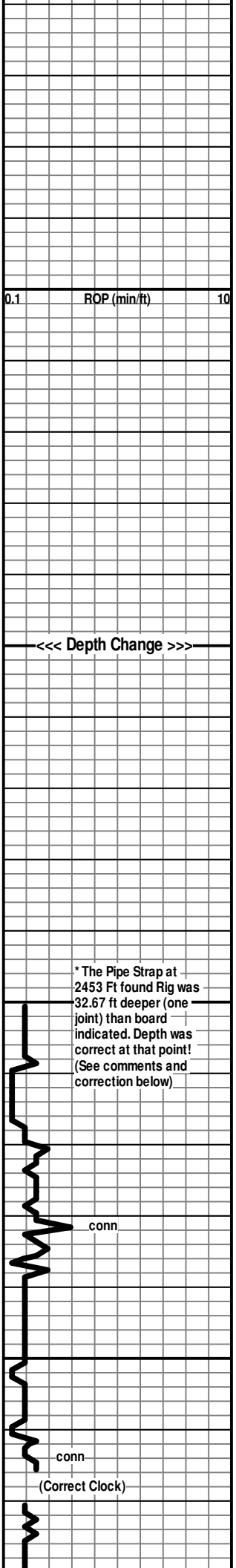
OIL SHOW

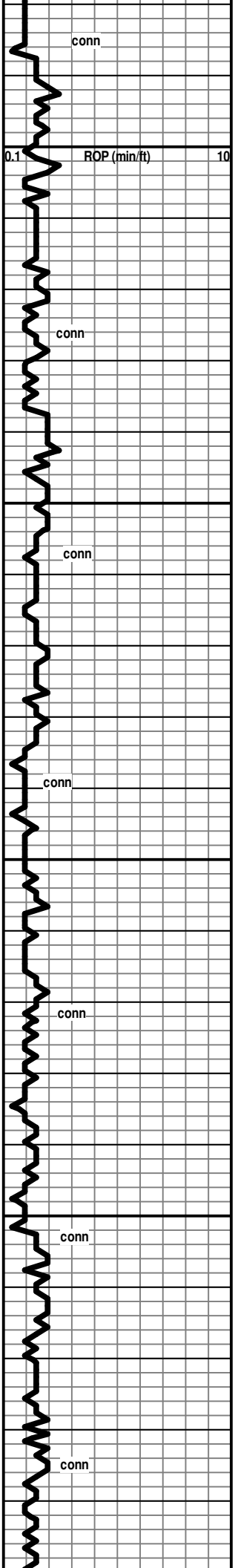
- Oil & gas show
- Gas show
- Even
- Spotted
- Trace or questionable
- Dead
- Gas

INTERVAL

- Core
- Dst

ROP (min/ft)	MD	Lithology	Shows	Geological Descriptions	Remarks
0.1 ROP (min/ft) 10	. 1100			* Anhydrite Interval was not discernable, based on drill time! Elog determined Anhydrite Interval occurred from: 1113'-1144'	
	. 50				


0.1
ROP (min/ft)
10
1200
<<< Depth Change >>>
* The Pipe Strap at 2453 Ft found Rig was 32.67 ft deeper (one joint) than board indicated. Depth was correct at that point! (See comments and correction below)
2100
conn
2150
conn
(Correct Clock)



(2300 Ft: Close Sample Box and Begin Catching Samples. Sample Descriptions Lagged!)

Mix of shales and Ls, foss, some foss fresh chert

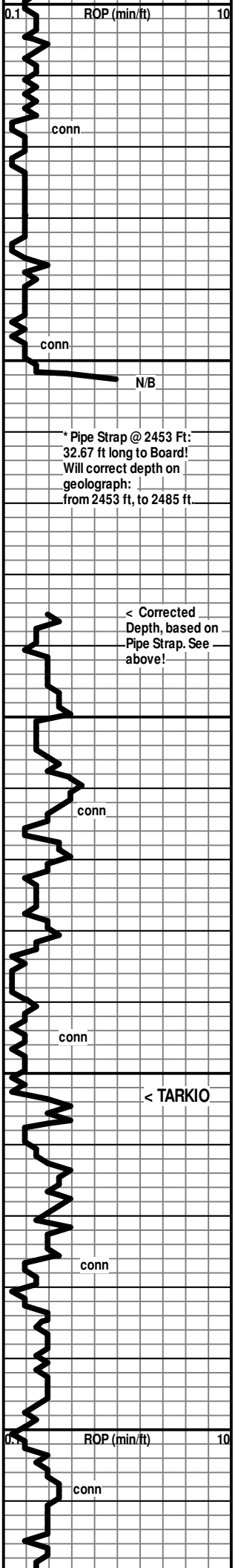
85% Shale, gy-pl gy with some reddish, mushy to soft, scatt calc foss; 15% Ls cr, fn xln, pr xln por, foss

95% Shale pl gy-gy, mushy-soft, subsilty & mic text in pt, 05% Ls wh-cr, fn xln, foss in pt

80% Ls tan-gy-dk gy, fn xln, dns, foss; 20% Shales as above

50% Shales mostly gy-pl gy, some reddish, mushy to soft, subsilty in pt; 50% Ls cr-tan-gy-dk gy, fn xln, dns, silty text in pt, foss in pt

Displace and Mudup:
2257'-2308!



2400

2450

2500

2550

2600

40% Shales mostly gy-pl gy, some reddish, mushy to soft, subsilty in pt; 60% Ls cr-tan-gy-dk gy, fn xln, dns, silty text in pt, foss in pt

30% Shales mostly gy-pl gy, some reddish, mushy to soft, subsilty in pt; 70% Ls cr-tan-gy-dk gy, fn xln, dns, silty text in pt, foss in pt

30% Shales mostly gy-pl gy, some grn, mushy to soft, subsilty in pt; 70% Ls cr-tan-gy-dk gy, fn xln, dns, foss in pt

40% Ls wh-cr-gy, fn xln, chalky in pt, dns in pt; 60% Shale gy-grn, mushy to soft

Shale gy, mushy to soft, silty in pt

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

Sh gy-grnish-grn, soft to subfirm

Ls cr-gy, fn xln, dns, foss in pt

Sh gy-grn

Ls cr-tan,fn xln, foss

Sh gy-pl grn, mushy to soft

<---------- 2553 (-766)
Ls cr-tan-gy, fn xln, dns, silty text in pt, scatt grn glauc stn

Sh gy, mushy

Ls cr-tan-gy, fn xln, dns, silty text in pt, scatt grn glauc stn

Sh gy, mushy

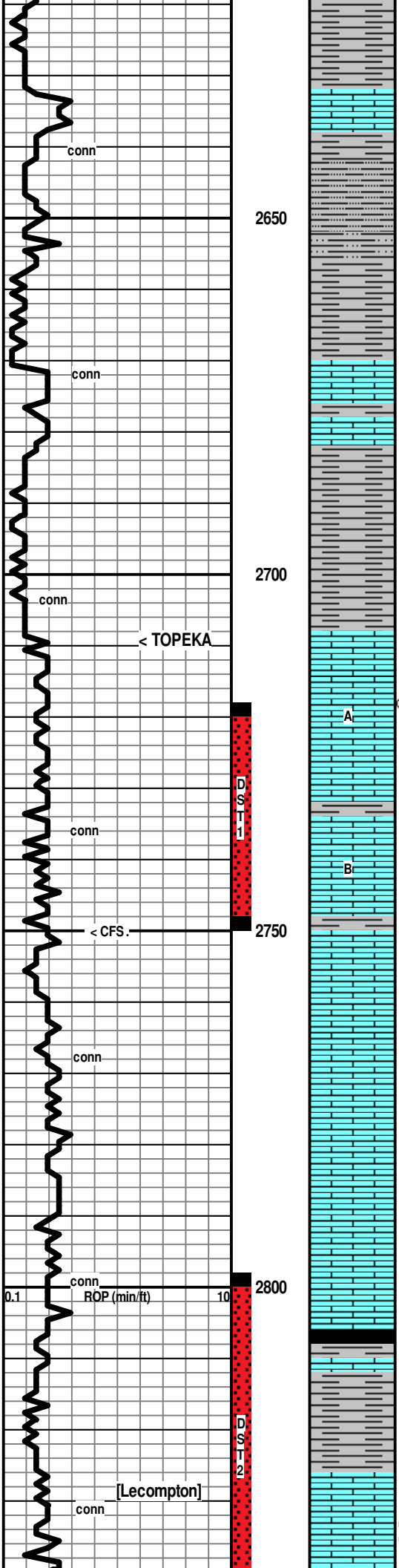
Ls cr-tan, fn xln, dns, foss

Sh gy-dk gy, soft to firm, silty text in pt

Ls cr-tan, fnxln, dns, foss in pt

*New Bit 2 2453'!

* Pipe Strap @ 2453 Ft:
32.67 ft long to Board!
Will correct depth on
geolograph:
From 2453 ft to 2485 ft.



Sh gy-gnrish, soft to firm

Ls wh-cr-tan, fn xln, chalky in pt, dns in pt, foss

Shlv Siltstone gy-grnish
Sh pl gy-gy, mushy

Sh gy-pl gy, mushy

Ls cr, fn xln, silty in pt, dns, foss in pt

7:00 AM, March 13, 2020

<---------- 2709 (-922)

Ls cr-gy, fn xln, subchalky in pt dns in pt, foss

Ls cr-tan, fn xln, dns to v pr xln por in pt, foss
[No Odor, No fluor, a few pcs with trace of spots of brn stn, NSFO]

Sh gy

Ls wh-cr-tan, fn xln, subchalky in pt, pr xln por in pt, scatt pp pores, foss
[Mod Odor, scatt brt speckled fluor, low % pcs with even speckled brn stn with mostly sli shows of NVL oil & brn FO, two pcs with Fr show of oil, sli gassy in pt]

Ls cr-tan-dk gy, fn xln, dns, foss

Ls wh-cr-tan-dk gy, fn xln, chalky in pt, dns in pt, foss

Ls wh-cr, fn xln, chalky to dns, foss

Ls cr-gy-dk gy-brn, fn xln, subchalky in pt, dns in pt, some silty text, foss in pt

Sh gy-grnish gy, some blk, subsilty & mic text in pt

Sh & shaley Ls gy-dk gy

Ls wh-cr, fn xln, pr vis xln por, chalky in pt, dns in pt, scatt pp pores in pt, foss, trace of chert: fresh, tan, opaq, foss

[Fnt Odor, low % pcs with spotty fluor and with

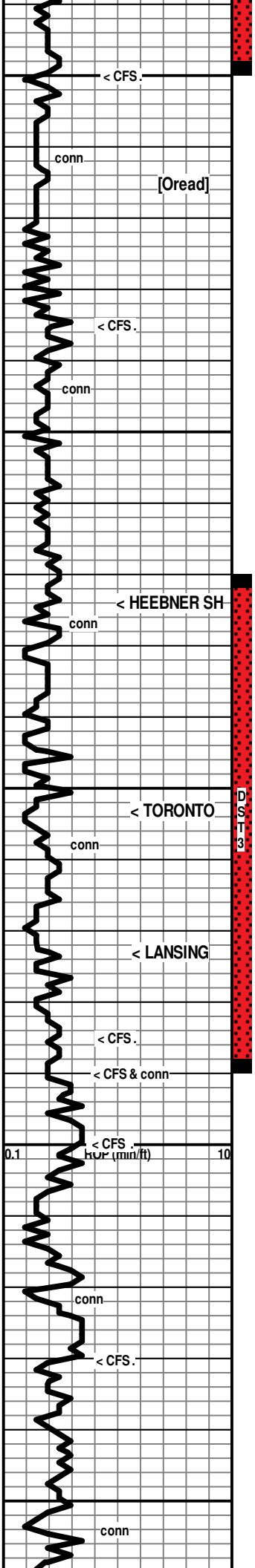
DST #1: 2718-2750 (Topeka B)
Times: 15-30-60-90
Initial Open: Wk Blow, built to 1/4" i.b.
Final Open: Wk Surf Blow
Rec: 5' mud/oil spots in tool
IHP: 1316 FHP: 1297
IFP: 15-20 FFP: 21-25
ISIP: 907 FSIP: 914
BHT: 91*F

Mud Check, Drlg @ 2743':

Vis	Wt	WL	LCM	PV	YP
66	8.8	8.0	4	17	19
Chl	Hd	pH	Solids		
2000	20	11.5	3.5		

* Pipe Strap @ 2750 Ft:
0.70 ft long to board!

DST #2: 2798-2850 (Lecompton)
Times: 15-30-10-out
Initial Open: *Wk Blow, opened at 2-1/2" - built to 4-1/4" i.b.
Final Open: V Wk intermittent surface bubbles
Rec: 70' mud
IHP: 1370 FHP: 1340
IFP: 34-53 FFP: 54-67
ISIP: 968 FSIP: NA
BHT: 87*F
*(Tool hit bridge/fill 10' off bottom, then slid 6'. Then v slowly and v sli sliding during test)



spotty-patchy lt brn stn with trace shows of micro-drops of FO on crush]

Sh gy

Ls cr-tan, vfn-fn xln, dns

Sh gy

Ls wh-cr-tan, fn xln, Do/subsucrosic in pt, text in ptpr-fr xln por in pt, subchalky in pt, dns in pt, foss. (weath'd to gy in pt) Chert: fresh, wh-tan, opaq

Ls wh-cr-tan-gy, fn xln, dns to subchalky, foss, some ool pcs

Ls wh-cr-tan-gy, fn xln, pr xln por in pt, dns to subchalky in pt, foss, some ool pcs

Ls wh-cr, fn xln, subchalky to dns, foss

<---------- 2924 (-1137)

Sh black, carb

Sh black, carb

Sh gy-grinish in pt, abund pinkish to reddish, mushy to soft (washes reddish)

<---------- 2953 (-1166)

Ls cr-tan, fnxln, mostly dns, chalky in pt, some pr vis xln por, foss

Sh mostly pinkish-reddish, mushy to soft,some gy grn subfirm

<---------- 2973 (-1186)

Ls wh-cr, fn xln, pr vis xln por, abund ool, cemented in pt with scatt interool pores, with Rr loosely cem pcs

Show Descr. ---------->

Ls cr, fn xln, dns, foss

Ls cr-pl gy, fn xln, pr vis xln por, dns in pt, foss

Show Descr. ---------->

Sh dk gy-gy

Ls wh-cr, fn xln, pr xln por in pt, scatt pp pores, subchalky in pt, foss, ool in pt

Show Descr. ---------->

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

Sh gy-grn, mushy to subsilty text

Ls wh-cr, fnxln, subchalky in pt, dns to pr xln por in pt, sli foss in pt

Ls wh-cr-gy, vfn-fn xln, mostly dns, some pr xln por, some subchalky, foss

Sh gy-black, carb in pt

Sh grn

Ls wh-cr, fn xln, mostly dns, some chalky

7:00 AM, March 14, 2020

Mud Check, TOOH/DST2 @ 2850':

Vis	Wt	WL	LCM	PV	YP
51	9.2	9.2	2	12	16
Chl	Hd	pH	Solids		
2000	20	10.5	6.3		

DST #3: 2920-2990 (Toronto, Lansing A)
TImes: 15-30-10-out
Initial Open: *Wk Surface Blow
Final open: No Blow
Rec: 5' mud
IHP: 1394 FHP: 1351
IFP: 16-17 FFP: 17-18
ISIP: 448 FSIP: NA
BHT: 91*F
*(Slid tool 20 feet to bottom,
tool did not open until on bottom)

[Fnt Odor, mod am't of dull to mod fluor, mod am't of pcs with lt brn-brn spotty-patchy stn, Rr even lt stn, Tr to sli shows of FO on crush, some sli gassy]

[No Odor, few pcs per tray with mod fluor and even lt brn stn, NSFO]

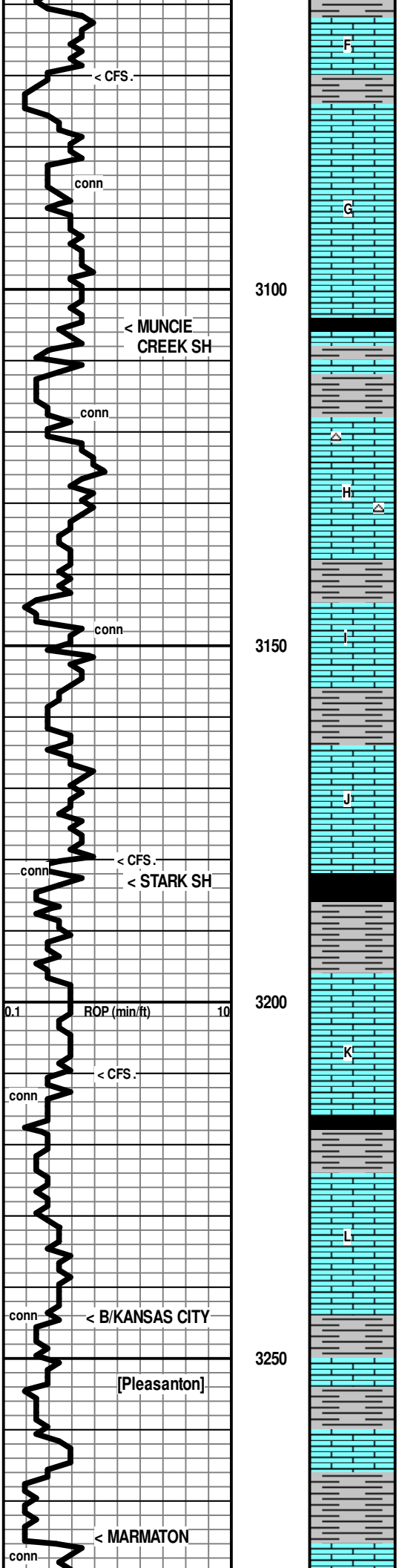
7:00 AM, March 15, 2020

[V Fnt Odor, mod am't of dull spotty-patchy fluor, Low % pcs with even lt brn stn with spotty to patchy stn, Tr shows of micro-drops of FO on crush]

Mud Check, TIH/DST4 @ 3030':

Vis	Wt	WL	LCM	PV	YP
60	9.3	8.0	2	17?	17
Chl	Hd	pH	Solids		
4000	20	10.5	6.9		

DST #4: 2984-3030 (Lansing B,C)
Times: 15-30-30-60
Initial Open: Wk Blow, built to 1" i.b.
Final Open: Wk Blow, built to 1/4" i.b.
Rec: 15' mud
IHP: 1465 FHP: 1370
IFP: 16-20 FFP: 22-29
ISIP: 1044 FSIP: 1039



Sh grn-pl grn, mushy to subfrim

Ls wh-cr, fn xln, mostly dns, some subchalky, foss to abund foss

Sh gy-grnish-pinkish, mushy to soft in pt, subsilty & mic text in pt

Ls wh-cr, fn xln, pr xln por in pt, some fr xln por with pp pores, foss

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

Ls wh-cr, fn xln, pr xln por in pt, some fr xln por with pp pores, foss

<---------- 3105 (-1318)

Sh black, carb

Sh gy

Ls wh-cr-pl gy, fn xln, mostly dns, some chalky, chert; fresh: brn, transl foss

Sh gy-red

Ls wh-cr,fn xln, chalky & soft to dsn & firm, foss

Sh red-pinkish, mushy to soft

Ls wh-cr, vfn-fn xln, soft & chalky to dns & firm, foss in pt

Ls wh-cr-tan, vfn-fn xln, soft & chalky to dns & firm, foss

<---------- 3183 (-1396)

Sh black, carb

Sh gy-grnish gy

Ls wh-cr, vfn-fn xln, moslty dns, some pr xln por, some chalky, foss

Sh black, carb in pt, gy-grnish in pt

2.5 gy-grnish, to pinkish-red, mushy-soft

Ls wh-cr-tan-pl gy, fn xln, mostly dns, some chalky in pt patches & pcs, foss

<---------- 3244 (-1457)

Sh gy-dk gy, grnish gy-grn, silty in pt

Ls wh-cr, fn xln, dns in pt, pr xln por in pt, scatt pp pores, chalky in pt, foss

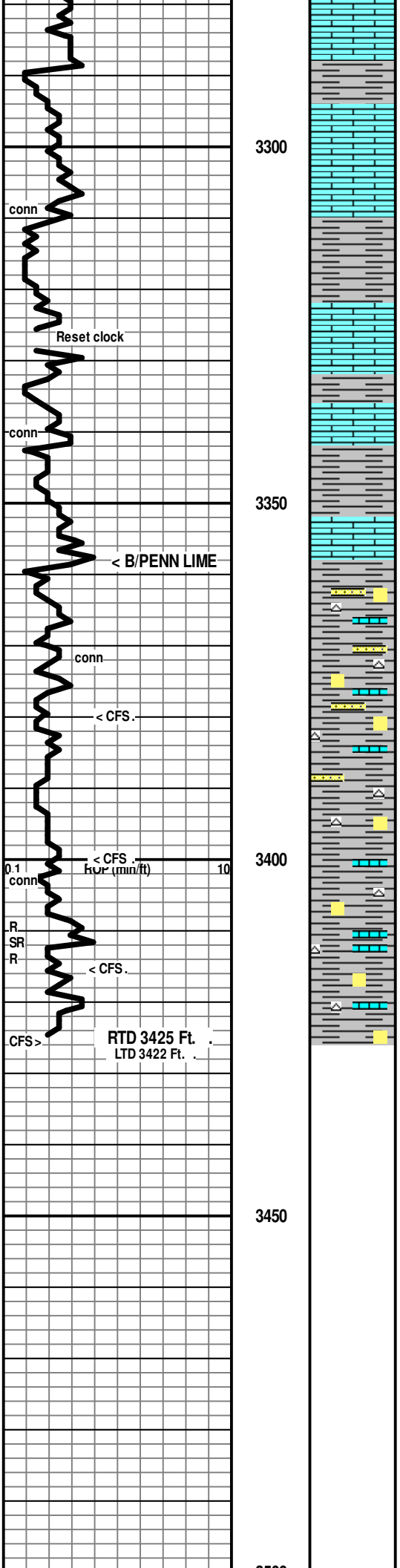
Sh gy-dk gy, grnish gy-grn, silty in pt, mushy in pt

Ls wh-cr, fn xln, dns in pt, pr xln por in pt, chalky in pt, foss

<---------- 3275 (-1488)

BHT: 91*F

7:00 AM, March 16, 2020



3300

3350

3400

3450

Ls wh-cr, vfn-f xln, mostly dns, some chalky, foss

Sh gy-grnish, to pinkish-red, mushy-soft

Ls wh-cr, vfn-f xln, mostly dns, some chalky, foss

Ls wh-gy, fn xln, sdy in pt, fn grn, dns

Sh grnish gy-gy with some red

Ls wh-cr-tan, vfn-fn xln, mostly dns & firm, some softer & chalky, foss in pt

Sh gy-grnish

Ls wh-cr,fn xln, soft and chalky in pt, dns & firm in pt

Sh gy-grnish, to abund pink-red, mushy

Ls wh-cr,fn xln, soft and chalky in pt, dns & firm in pt, some red shale marbling

<---------- 3358 (-1571)

3380' spls: 40% Shale: gy-red-grn-yell-purp, mushy to soft to firm, silty in pt; 60% Ls wh, fn xln, chalky to dns, scatt red shale marbling, silty-sdy in pt; Sd a few clusters of fn grn, subrd sand with gd sort; Trace of fresh wh opaq chert

3390 spl: 33% Ls wh-cr, fn xln, dns, silty-sdy; 33% Shales red-gy-grn-yell; 33% Chert fresh, wh-cr-tan-orange, opaq-transl

3400' spls: 10% Ls wh-cr, fn xln, dns, silty-sdy; 80% Shales red-gy-grn-yell; 10% Chert fresh, wh-cr-tan-yell-orange; Rr sdy clusters

3410' spl: 10% Ls as above; 75% Shales as above to abund red; 15% Fresh cherts as above; a few barren sd clusters with god por and fri

3415' cfs: Abund red shale, some subwaxy very grn shale; Abund silty text/subsucrosic wh Dol to pink & red with invaded red clay; abund chert as above

3425' cfs: 60% Sh red-grn-yell, subwaxy to subsilty, sdy in pt; 20% Chert: fresh to subvitreous, opaq to subop, wh-tan-lav-brn; 20% Ls wh, sdy to silty, dns with scatt pores, sdy in pt

Mud Check, Drlg @ 3348":

Vis	Wt	WL	LCM	PV	YP
50	9.4	9.6	1.5	13	15
Chl	Hd	pH	Solids		
3000	20	10.0	7.7		

* Add Premix!
(Vis 61)

RTD 3425 Ft. Reached at 6:30 PM, March 16, 2020!

	3500				

COPELAND
Acid & Cement

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

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

Invoice

INVOICE NUMBER: C60108-IN

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

LEASE: SB UNIT #1

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS
03/18/2020	60108		03/17/2020	SB UNIT #1	NET 30

QUANTITY	U/M	ITEM NO./DESCRIPTION	D/C	PRICE	EXTENSION
45.00	MI	MILEAGE CEMENT PUMP TRUCK	21.00	4.00	142.20
1.00	EA	PUMP CHARGE ROTARY PLUG	21.00	1,100.00	869.00
190.00	SK	60/40 POZ MIX 2% GEL	21.00	11.25	1,688.63
4.00	SK	2% ADDITIONAL GEL	21.00	22.00	69.52
48.00	LB	CELLO-FLAKES	21.00	3.00	113.76
1.00	EA	8 5/8" WOOD PLUG	21.00	65.00	51.35
196.00	EA	BULK CHARGE	21.00	1.25	193.55
388.08	MI	BULK TRUCK - TON MILES	21.00	1.10	337.24

710/43
19770.0001
BCP Well File
Surface Cement

REMIT TO:
P.O. BOX 438
HAYSVILLE, KS 67060

RECEIVED BY

COP

FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.

NET 30 DAYS

Net Invoice:	3,465.25
ROOCO Sales Tax:	234.60
Invoice Total:	**3,699.85**

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

COPELAND Acid & Cement

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

FIELD ORDER N° C 60108

DATE 17-Mar 20 20

IS AUTHORIZED BY: CARMEN SCHMITT INC.
(NAME OF CUSTOMER)

Address _____ City _____ State _____

TO TREAT WELL
AS FOLLOWS Lease SB UNIT Well No. 1 Customer Order No. _____

Sec. Twp.
Range _____ County ROOKS 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
20.0002	45	Mileage P.T.	$4.00	$180.00
20.0006	1	Pump Charge Rotary Plug	$1,100.00	$1,100.00
20.1002	190	60/40 Poz 2% Gel	$11.25	$2,137.50
20.1004	4	Add. Gel after 2% Per Sack	$22.00	$88.00
20.1013	48	Celloflake per lb.	$3.00	$144.00
20.202	1	8 5/8" Wood Plug	$65.00	$65.00
20.0011	196	Bulk Charge	$1.25	$245.00
20.0012	388.08	Bulk Truck Miles	$1.10	$426.89
		Process License Fee on Gallons		
		TOTAL BILLING		$4,386.39

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. 3465.25

Copeland Representative GREG CURTIS

Station GB MATT SUCHY
Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS

COPELAND Acid & Cement

TREATMENT REPORT

Acid Stage No. _____

Date 3/17/2020 District GB F.O. No. C60108

Company CARMEN SCHMITT INC

Well Name & No. SB UNIT #1

Location _____ Field _____

County ROOKS State KS

Casing: Size _____ Type & Wt. _____ Set at _____ ft.

Formation: _____ Perf. _____ to _____

Formation: _____ Perf. _____ to _____

Formation: _____ Perf. _____ to _____

Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.

Cemented: Yes Perforated from _____ ft. to _____ ft.

Tubing: Size & Wt. _____ Swung at _____ ft.

Perforated from _____ ft. to _____ ft.

Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Type Treatment:	Amt.		Type Fluid	Sand Size	Pounds of Sand
Bkdown		Bbl./Gal.			
		Bbl./Gal.			
		Bbl./Gal.			
		Bbl./Gal.			
Flush		Bbl./Gal.			

Treated from _____ ft. to _____ ft. No. ft. 0

from _____ ft. to _____ ft. No. ft. 0

from _____ ft. to _____ ft. No. ft. 0

Actual Volume of Oil / Water to Load Hole: _____ Bbl./Gal.

Pump Trucks. No. Used: Std. 320 Sp. _____ Twin _____

Auxiliary Equipment 327

Personnel GREG CLARENCE

Auxiliary Tools _____

Plugging or Sealing Materials: Type _____

_____ Gals. _____ lb.

Company Representative MATT SUCHY Treater GREG CURTIS

TIME	PRESSURES		Total Fluid Pumped	REMARKS
a.m./p.m.	Tubing	Casing		
9:00				ON LOCATION
				PUMP 100 SKS 60/40 4% GEL 1/4# PER SK OF CELLOFLAKE @ 1160'
				PUMP 50 SKS @ 500'
				PUMP 10 SKS @ 40'
				PLUG RATHOLE WITH 30 SKS
12:30				JOB COMPLETE
				THANK YOU!!!

Heartland Tank Service

PO Box 652
Hays, KS 67601

Phone # 785-259-5575

Invoice

Date	Invoice #
4/4/2020	14162

Bill To
Carmen Schmitt, Inc. PO Box 47 Great Bend, KS 67530

Project/Lease
SB Unit Lease

Terms	Due on receipt

Serviced	Item	Description	Quantity	Rate	Amount
3/18/2020	Vacuum Truck	Pulled free fluid from reserve pit, took 80BBL to SWD	3.5	90.00	315.00
	Disposal Fee	Disposal fee	80	0.25	20.00

7/10/19
19770.0001
Well Ale
Remove Air Water

Thank you for your business!

Total $335.00