

Confidentiality Requested:

☒ Yes ☐ NoKANSAS 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 # 5142

Name: Sterling Drilling Company

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 #:

6/8/2023 6/21/2023 7/31/2023

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: 15-057-21090-00-00

Spot Description:

SE - NE - NE - NE Sec. 28 Twp. 28 S. R. 26 ☐ East ☒ West474 Feet from ☒ North / ☐ South Line of Section196 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☒ NE ☐ NW ☐ SE ☐ SW

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

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Ford

Lease Name: BH UNIT Well #: 1-28

Field Name:

Producing Formation: na

Elevation: Ground: 2673 Kelly Bushing: 2684

Total Vertical Depth: 5440 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 1167 Feet

Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set: 1757 Feet

If Alternate II completion, cement circulated from: 1757

feet depth to: 0 w/ 250 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 26100 ppm Fluid volume: 997 bbls

Dewatering method used: Evaporated

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: 08/01/2023

☐ Confidential Release Date: 07/31/2025☒ Wireline Log Received ☒ Drill Stem Tests Received☒ Geologist Report / Mud Logs Received☐ UIC DistributionALT ☒ I ☐ II ☐ III Approved by: David Befort Date: 08/07/2023

Operator Name: Carmen Schmitt, Inc. Lease Name: BH UNIT Well #: 1-28
 Sec. 28 Twp. 28 S. R. 26 ☐ East ☒ West County: Ford

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 ☒ Yes ☐ No <i>(Attach Additional Sheets)</i> 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 Attached Top Attached Datum Attached
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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	1167	60/40-Class A	500	3%cc.
Production	7.875	5.5	17	5421	Common	250	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	0-1757	SMD	250	
	-			

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 <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom 5258 5262
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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>
2	5258	5262			
			CIBP Cast Iron Bridge Plug	5272	
2	5276	5277			
2	5288	5289			
TUBING RECORD: Size: Set At: Packer At:					

Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	BH UNIT 1-28
Doc ID	1720646

All Electric Logs Run

Sonic
Dual Induction
Porosity
Micro

Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	BH UNIT 1-28
Doc ID	1720646

Tops

Name	Top	Datum
Stone Corral	1687	997
Heebner Sh.	4353	-1669
Toronto Ls.	4373	-1689
Douglas Ls	4428	-1744
Lansing	4472	-1788
Muncie Creek	4665	-1981
Stark Shale	4771	-2087
Hushpuckney	4816	-2132
B/KC	4915	-2231
Marmaton	4936	-2252
Altamont	4944	-2260
Pawnee	5016	-2332
Ft.Scott	5066	-2382
Cherokee Shale	5095	-2411
Morrow Shale	5187	-2503
Missippi	5195	-2511

Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	BH UNIT 1-28
Doc ID	1720646

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	1167	60/40-Class A	500	3%cc.
Production	7.875	5.5	17	5421	Common	250	gel

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:
C60862-IN

BILL TO:

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

LEASE: BH UNIT 1-28

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS		
06/20/2023	60862		06/10/2023	BH UNIT 1-28	NET 30		
QUANTITY	U/M	ITEM NO./DESCRIPTION			D/C	PRICE	EXTENSION
		NEW WELL					
120.00	MI	MILEAGE PICKUP			0.00	4.00	480.00
120.00	MI	MILEAGE CEMENT PUMP TRUCK			0.00	6.00	720.00
1.00	EA	PUMP CHARGE SURFACE			0.00	1,150.00	1,150.00
200.00	SK	COMMON CEMENT			0.00	16.75	3,350.00
300.00	SK	60/40 POZ MIX 2% GEL			0.00	13.35	4,005.00
30.00	SK	CALCIUM CHLORIDE			0.00	42.00	1,260.00
1.00	EA	8 5/8" WOOD PLUG			0.00	65.00	65.00
530.00	EA	BULK CHARGE			0.00	1.25	662.50
1,401.00	MI	BULK TRUCK - TON MILES			0.00	1.10	1,541.10
		7/10/43 20275.0128 BCP Well R/L "Surface Cement"					
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COB FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.			Net Invoice: FORCO Sales Tax: Invoice Total:		13,233.60 651.00 <u>13,884.60</u>
RECEIVED BY		NET 30 DAYS					

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

FIELD ORDER N^o C 60862

DATE 10-Jun 20 23

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

Address City State KS

TO TREAT WELL

AS FOLLOWS Lease BH UNIT Well No. 1-28 Customer Order No.

Sec. Twp.

Range 28-28S-26W County FORD 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 herebefore 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	120	Mileage P.U.	\$4.00	\$480.00
20.0002	120	Mileage P.T.	\$6.00	\$720.00
20.0005	1	Pump Charge Surface	\$1,150.00	\$1,150.00
20.1001	200	Common Cement Sack	\$16.75	\$3,350.00
20.1002	300	60/40 Poz 2% Gel	\$13.35	\$4,005.00
20.1012	30	Calcium Chloride per 50 lb.	\$42.00	\$1,260.00
20.202	1	8 5/8" Wood Plug	\$65.00	\$65.00
20.0011	530	Bulk Charge	\$1.25	\$662.50
20.0012	1401	Bulk Truck Miles	\$1.10	\$1,541.10
		Process License Fee on Gallons		
		TOTAL BILLING		\$13,233.60

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

TREATMENT REPORT®



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

Well Name: BH Unit #1-28 - Carmen Schmitt, Inc.
API: 15-057-21090-00-00
Location: Approx. SE-NE-NE-NE, Section 28-28S-26W
License Number: KCC #6569
Spud Date: June 08, 2023
Surface Coordinates: 474' FNL & 196' FEL,
of Section
Bottom Hole Vertical Wellbore
Coordinates:
Ground Elevation (ft): 2674 Ft. **K.B. Elevation (ft):** 2685 Ft.
Logged Interval (ft): 4100 Ft. **To:** 5440 Ft. **Total Depth (ft):** RTD 5440 Ft. LTD 5440 Ft.
Formation: Mississippian at Total Depth
Type of Drilling Fluid: Chemical

Region: Ford County, Kansas
Drilling Completed: June 20, 2023
Field: Unnamed
Results:

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: Brad Rine
Company: Consulting Geologist, Ks Lic #204, AAPG Cert #2647
Address: 100 South Main, Suite #320A
Wichita, Kansas 67202

Remarks

Based on sample observations, gas detector response, drill stem test results, and electric log evaluation; it was the decision of the Operator to

Drilling Information

Rig: Sterling Drlg #4
Pump: Ideco MM-700 6x16
Drawworks: Unit U-15
Collars: 589' 2-1/4 x 6-1/4
Drillpipe: 4-1/2" 16.6# XH
Toolpusher: Lanny Saloga, Juan Chavez

Mud: Mudco (Justin Whiting)
Gas Detector: Sterling Drlg (Tooke DAQ System)
Drill Stem Tests: Trilobite (Eric Burgess)
Logs: Midwest (Tim Martin)
Water: Don Woydziak Farm, appr 4.5 mi from location-(Wolf Pack Field Service, Kinetic Energy Services)

Company Representatives:
Office: Carmen Schmitt
Field:

Daily Drilling Status

Date:	Operations:
06-08-23	MIRT, RU, Spud @ 0'
06-09-23	Drilling @ 400'
06-10-23	Waiting on Cement @ 1171'
06-11-23	Drilling @ 1850'
06-12-23	Drilling @ 2674'
06-13-23	Drilling @ 3553'
06-14-23	Drilling @ 4288'
06-15-23	Drilling @ 4648'
06-16-23	Drilling @ 4963'
06-17-23	Circulate to Condition Hole after DST #1 @ 5050'
06-18-23	Circulating for Samples @ 5254'
06-19-23	On Bottom with DST #3 @ 5282'
06-20-23	Drilling @ 5415'
06-21-23	

Casing Record, Bit Record, Deviation Surveys

Conductor: None

Surface: Spud at 8:45 PM on 06/08/23. Drilled 12-1/4" hole to 1,171'. Ran (28) joints of New 23# 8-5/8" surface casing, Tallied 1180.72'+0.80' GS+12.30' LJ = 1193.82'. Set at 1167' KB. GS on bottom. SJ = 15.39'. Baffle in 1st collar. (1) Centralizer at 1151', Welded straps on bottom 4 joints. Tack welded top 4 joints. Cemented with: Lead w/300 Sks: 60/40 Poz, 3% CC; 2% Gel. Tailed with 200 Sks Class A Common, 3% CC. Wood & Rubber Plug. Plug down at 4:00 AM on 06/10/23. Copeland Cementing Ticket #60682. Cement to bottom of Cellar.

Production:

Bits:

No.	Size	Make	Model	Depth In	Depth Out	Hours
1	12-1/4	JZ	HA417	0	1171	20.50
2	7-7/8	STC	RR	1171	1268	02.00
3	7-7/8	New Orville	W516	1268	2733	28.25
4	7-7/8	TRX	PL616	2733	4106	20.25
5	7-7/8	JZ	527C	4106	5440	91.00

Deviation Surveys:

Survey	Depth	Survey	Depth
1.50*	1171'	0.30*	4613
0.50*	1841'	0.20*	4932'
0.00*	2605'	0.80*	5154'
0.20*	3596'	0.50*	5440'
0.00*	3914'		

Displace & Mudup:

3532 Ft.

Pipe Straps:

Difference: Depth:

0.42' Short 4106'

Misc. Events Summaries:

First PDC bit had trouble drilling due to trouble keeping bit clean. Changed bit.

Hit bridge 3883' on bit trip, worked through it.

Log tool hit sticky restriction at 1270'. Went down to near 1270' (hit bridge) kelly up and pump through tight spot, Went in 5 more stands-no bridges. Come out of hole with bit. Go back in with log tool. Hit a bridge at base of Anhydrite at 1738'.



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.

Po Box 47
Greatbend, Ks. 67530

ATTN: Brad Rine

28-28S-26W Ford

BH Unit 1-28

Job Ticket: 70648

DST#: 1

Test Start: 2023.06.16 @ 20:45:13

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:17:23

Time Test Ended: 03:28:03

Test Type: Conventional Bottom Hole (Initial)

Tester: Eric Burgess

Unit No: 80

Interval: **5001.00 ft (KB) To 5050.00 ft (KB) (TVD)**

Total Depth: 5050.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2684.00 ft (KB)

2673.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8369 Outside

Press@RunDepth: 50.84 psig @ 5008.00 ft (KB)

Start Date: 2023.06.16 End Date: 2023.06.17

Start Time: 20:45:14 End Time: 03:28:03

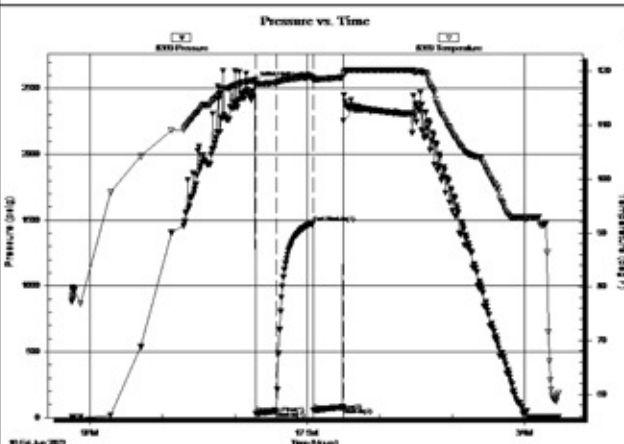
Capacity: 8000.00 psig

Last Calib.: 2023.06.17

Time On Btm: 2023.06.16 @ 23:16:53

Time Off Btm: 2023.06.17 @ 00:29:53

TEST COMMENT: IF:Weak Building Blow built to .89" (15)
IS:No Blow Back. (30)
FF:Surface Bubbles only pulled test per Geo. (20)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2535.59	118.37	Initial Hydro-static
1	29.91	117.75	Open To Flow (1)
18	50.84	117.89	Shut-In(1)
48	1477.88	118.99	End Shut-In(1)
48	54.02	118.26	Open To Flow (2)
73	79.59	118.92	Shut-In(2)
73	2255.80	119.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	WCM 35%W 65%M	0.05
60.00	M 100%M	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.

Po Box 47
Greatbend, Ks. 67530

ATTN: Brad Rine

28-28S-26W Ford

BH Unit 1-28

Job Ticket: 70649

DST#: 2

Test Start: 2023.06.18 @ 11:47:09

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:52:39

Time Test Ended: 17:14:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Eric Burgess

Unit No: 80

Interval: **5208.00 ft (KB) To 5254.00 ft (KB) (TVD)**

Total Depth: 5254.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2684.00 ft (KB)

2673.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8369

Outside

Press@RunDepth: 28.86 psig @ 5215.00 ft (KB)

Start Date: 2023.06.18

End Date:

2023.06.18

Capacity: 8000.00 psig

Last Calib.: 2023.06.18

Start Time: 11:47:09

End Time:

17:14:29

Time On Btm: 2023.06.18 @ 13:52:09

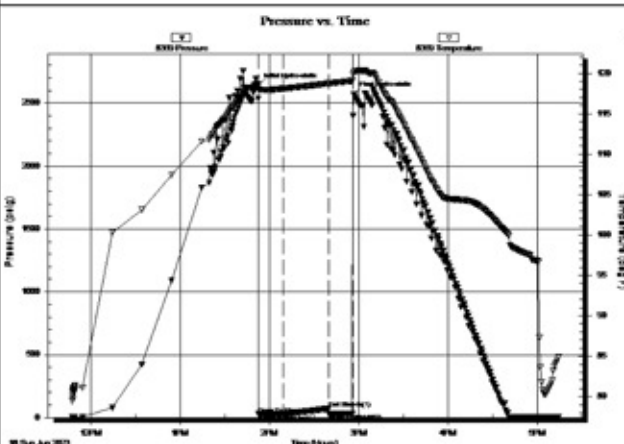
Time Off Btm: 2023.06.18 @ 14:56:49

TEST COMMENT: IF:Weak Blow died 10min. into open. (15)

IS:No Blow Back. (30)

FF:No Blow. (10)

FSt:Pulled test.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2639.69	118.68	Initial Hydro-static
1	28.09	118.05	Open To Flow (1)
18	28.86	118.10	Shut-In(1)
48	74.30	118.75	End Shut-In(1)
48	30.24	118.74	Open To Flow (2)
64	31.27	119.08	Shut-In(2)
65	2570.52	120.12	Final Hydro-static

Recovery

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

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

Ref. No: 70649

Printed: 2023.06.18 @ 17:24:55



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.

Po Box 47
Greatbend, Ks. 67530

ATTN: Brad Rine

28-28S-26W Ford

BH Unit 1-28

Job Ticket: 70650

DST#: 3

Test Start: 2023.06.19 @ 03:47:11

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:58:01

Time Test Ended: 11:29:11

Test Type: Conventional Bottom Hole (Reset)

Tester: Eric Burgess

Unit No: 80

Interval: **5254.00 ft (KB) To 5282.00 ft (KB) (TVD)**

Total Depth: 5282.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2684.00 ft (KB)

2673.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8369

Outside

Press@RunDepth: 105.28 psig @ 5255.00 ft (KB)

Start Date: 2023.06.19

End Date:

2023.06.19

Capacity: 8000.00 psig

Last Calib.:

2023.06.19

Start Time:

03:47:11

End Time:

11:29:11

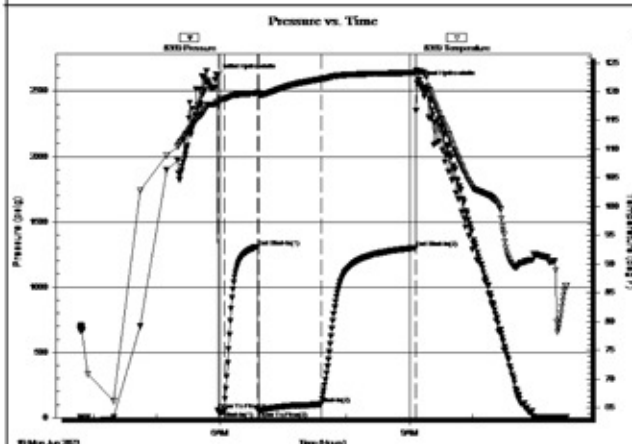
Time On Btm:

2023.06.19 @ 05:57:11

Time Off Btm:

2023.06.19 @ 09:07:11

TEST COMMENT: IF: Strong Building Blow built 24.11" (5)
IS: No Blow Back (30)
FF: Strong Building Blow built to 118.43" (60)
FSt: 75" Blow Back in Bucket (90)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2614.30	118.21	Initial Hydro-static
1	56.65	117.45	Open To Flow (1)
7	53.50	118.78	Shut-In(1)
39	1307.64	119.76	End Shut-In(1)
40	52.46	119.44	Open To Flow (2)
99	105.28	122.16	Shut-In(2)
189	1301.07	123.29	End Shut-In(2)
190	2559.56	123.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OWMCG 55%G 5%O 20%W 20%M	0.30
62.00	OWMCG 45%G 10%O 10%W 35%M	0.30
62.00	GOCM 5%G 10%O 85%M	0.30
5.00	MCO 85%O 15%M	0.02
0.00	2646' GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

Ref. No: 70650

Printed: 2023.06.19 @ 11:49:43

ROCK TYPES

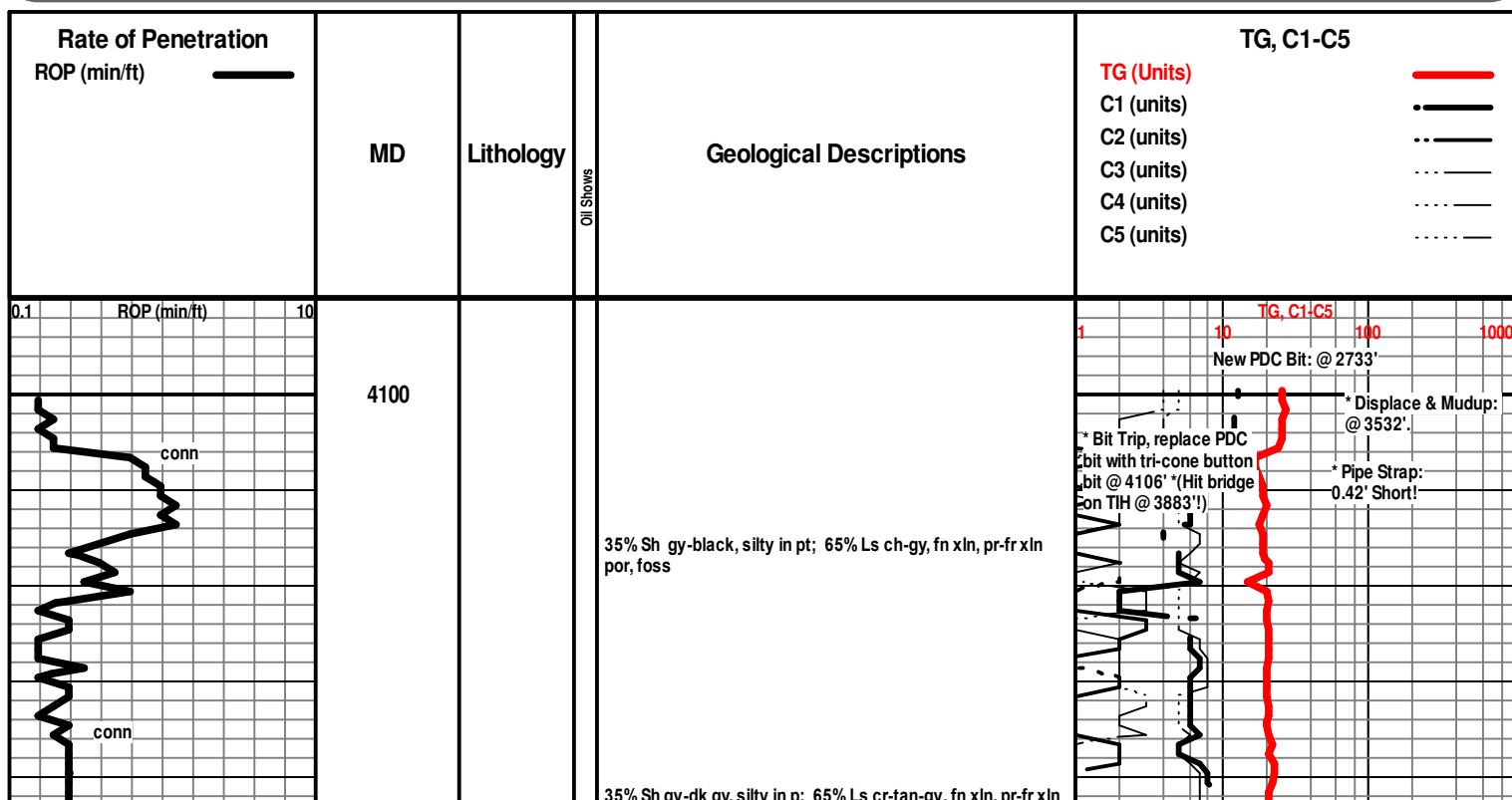
	Sandyls		Limey dol		Igne		Shcol		Shlysiltst
	Anhy		Dolom ls limey dol		Lmst		Shgy		Siltst
	Bent		Coal/black shale		Meta		Ss		Till
	Brec		Congl		Mrlst		Sltsh		
	Cht		Dol		Salt				
	Clyst		Gyp		Shale				

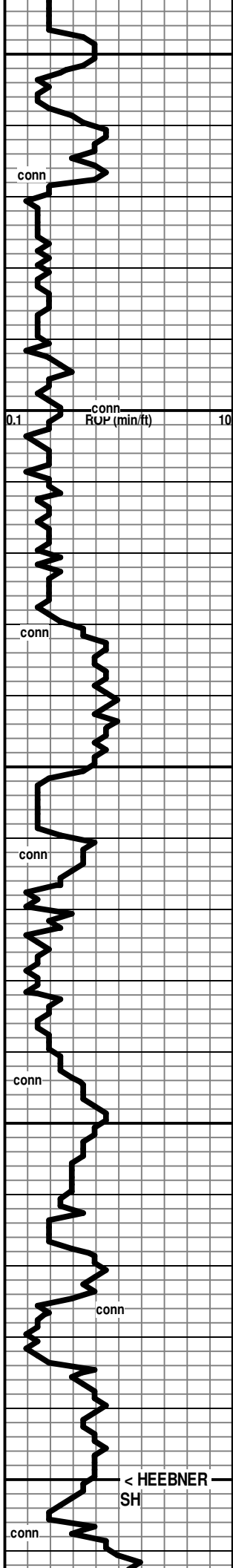
ACCESSORIES

MINERAL			FOSSIL				TEXTURE
	Anhy		Gyp		Algae		Ostra
	Arggrn		Hvymin		Amph		Pelec
	Arg		Kaol		Belm		Pellet
	Bent		Marl		Bioclst		Pisolite
	Bit		Minxl		Brach		Plant
	Brecfrag		Nodule		Bryozoa		Strom
	Calc		Phos		Cephal		
	Carb		Pyr		Coral		
	Chtdk		Salt		Crin		
	Chtlt		Sandy		Echin		
	Dol		Silt		Fish		
	Feldspar		Sil		Foram		
	Ferrpel		Sulphur		Fossil		
	Ferr		Tuff		Gastro		
	Glau				Oolite		

OTHER SYMBOLS

POROSITY			ROUNDING				EVENT
	Earthy		Vuggy		Rounded		Even
	Fenest				Subrnd		Spotted
	Fracture				Subang		Ques/trace
	Inter				Angular		Dead
	Moldic						
	Organic						
	Pinpoint						





4150

4200

4250

4300

4350

WOB 40k
RPM 67
PP 1080
SPM 65

< HEEBNER
SH

por in pt, ool in pt with scatt interool pores, foss, trace of
chert: wh, opaq, grainy in pt, foss in pt

15% Sh gy; 85% Ls wh-cr-tan, fn xln, pr-fr xln por in pt,
subchalky in pt, foss; cherty gy, grainy

15% Sh gy; 85% Ls wh-cr-tan, fn xln, chalky in pt, pr xln por
in pt, foss, chert wh-gy, foss in pt

05% Sh gy; 95% Ls wh-cr, fn xln, pr vis xln por-dns, foss

05% Sh gy; 95% Ls wh-cr, fn xln, some pr xln por, some fr xln
por with scatt pp pores, abund foss

10% Sh gy-dk gy; 90% Ls wh-cr, fn xln, dns in pt, pr xln por in
pt, foss

05% Sh, gy-black; 95% Ls wh-cr-gy, fn xln, pr-fr xln por in pt,
ool in pt, foss

Ls cr, fn xln, subchalky in pt, pr xln por to dns in pt, foss

Sh black, carb

Ls wh-cr, fn xln, some pcs packed with foss with scatt
interfoss pores & foss molds

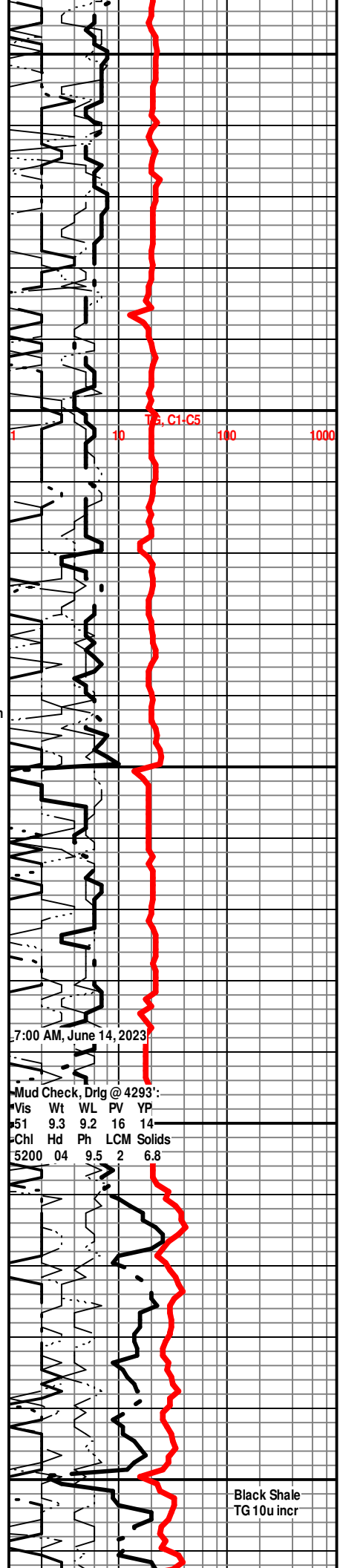
Sh ddk gy

Ls cr, fn xln, dns, foss

← 4350 (-1666)

Sh black, carb

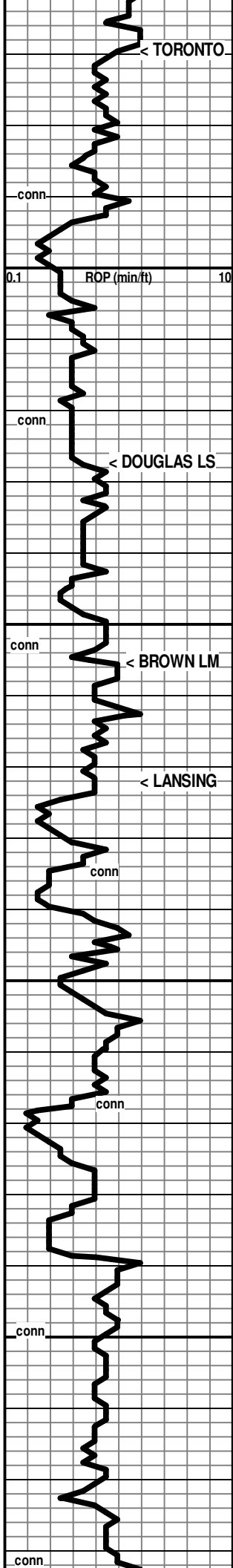
Sh gy-dk gy



7:00 AM, June 14, 2023

Mud Check, Drig @ 4293':
Vis Wt WL PV YP
51 9.3 9.2 16 14
Chl Hd Ph LCM Solids
5200 04 9.5 2 6.8

Black Shale
TG 10u incr

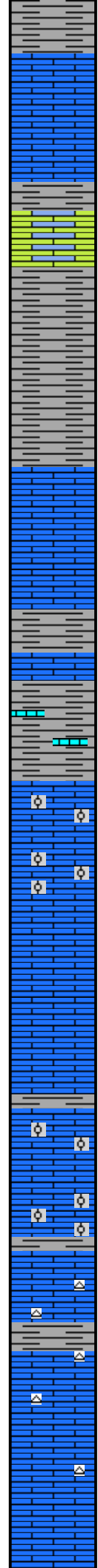


4400

4450

4500

4550



4369 (-1685)

Ls wh-cr-tan, fn xln, dns topr vis xln por, subchalky in pt, sli foss in pt

Sh gy

Dol Ls cr-pl gy, fr xln por in pt, widely scatt pp pores, scatt foss (weath'd to gy)

Sh pl gy-gy-dk gy, subsilty in pt

4427 (-1743)

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

Sh gy

4455 (-1771)

Ls cr-tan, fn xln, subchalky in pt, dns % firm in pt

Sh gy

4472 (-1788)

Ls cr, fn xln, pr-fr xln por, ool, scatt ool pores

Ls wh-cr-tan, fn xln, pr xln por to dns, sli foss in pt

Sh gy-dk gy

Ls wh-cr-tan-gy, fn xln, dns in pt, ool-oom in pt, foss

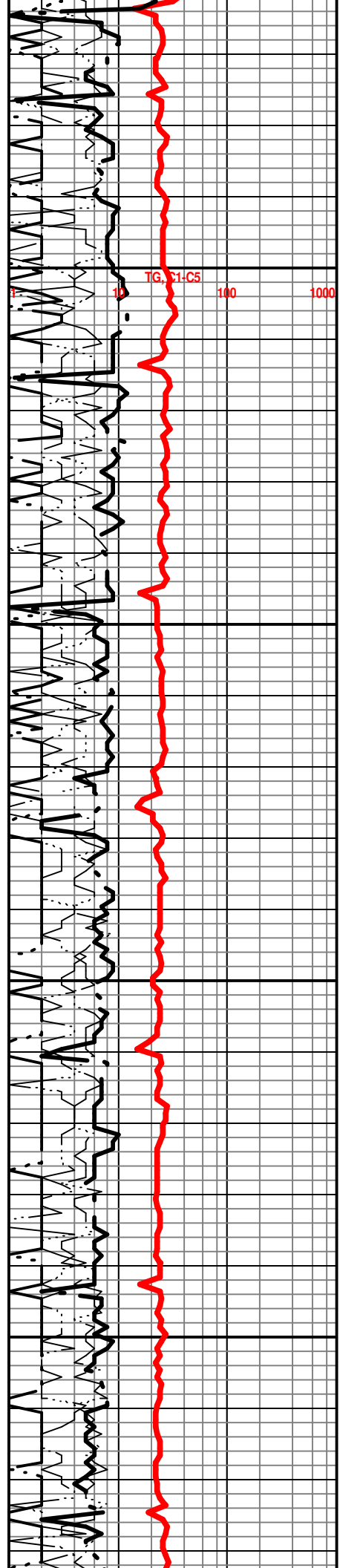
Sh gy-dk gy

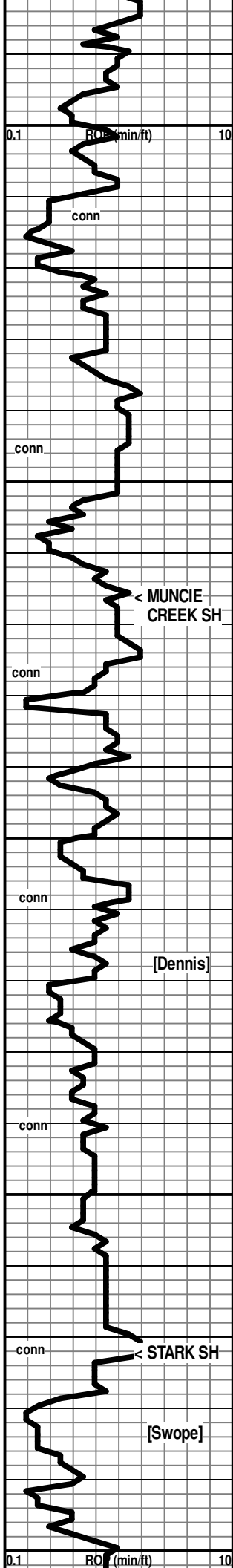
Ls cr-tan-brn-gy, vfn-fn xln, dns, chert, fresh, wh

Sh gy

Ls cr-tan, vfn-fn xln, dns, foss, chert: fresh, tan-brn, foss

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





4600

4650

4700

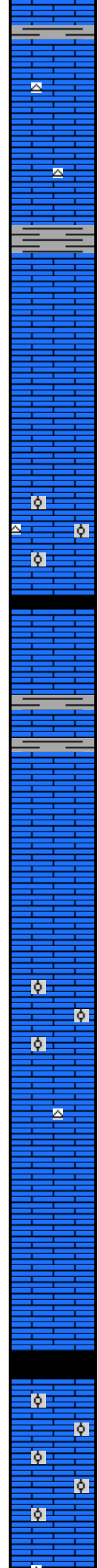
4750

4800

WOB 40k
RPM 65
PP 1160
SPM 65

[Dennis]

[Swope]



Sh dk gy-blk

Ls wh-cr-tan, fn xln, chalky in pt, dns in pt, pr vis xln por in pt, foss, Chert: fresh,gy, opa

Sh gy-blk

Ls cr-tan, fn xln, vnf-fn xln, mostly dns, abund foss

Ls cr-tan-brn, vfn-fn xln, mostly dns, chalky in patches & pcs, widely scatt calcite edges, sli foss

Ls cr, fn xln, pr-fr xln por, some crs ool & some micro-oom, tr of ool chert

← 4666 (-1982)

Sh gy-blk (poorly repres in spls)

Ls cr-tan, fn xln, dns, foss

Sh gy

Ls cr-tan, fn xln, pr vis xln por, some pp pores

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

Ls cr, fn xln, pr vis xln por, micro-fn ool with Rr weath'd molds, scatt interool pores; Low % gy shale

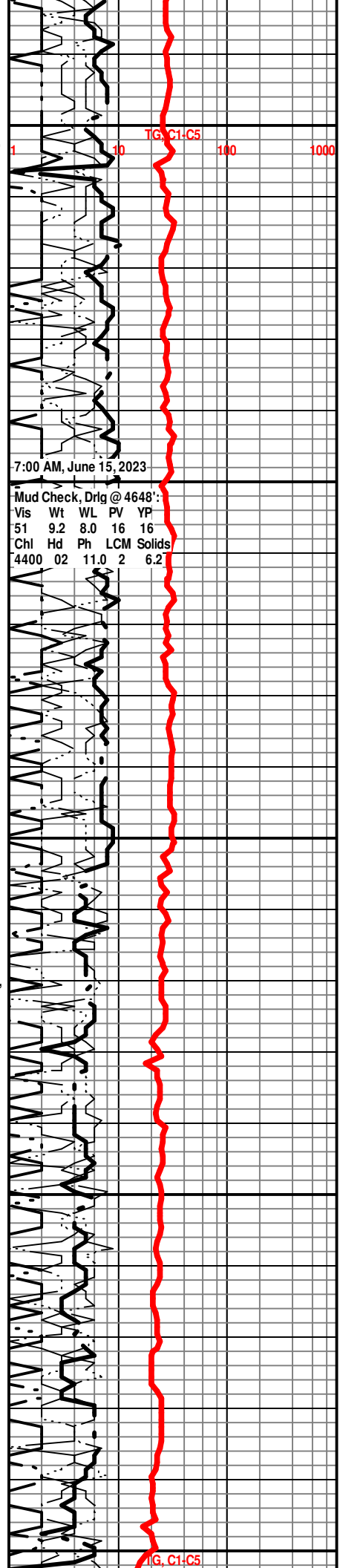
Ls cr, fn xln, dns in pt, pr xln por in pt, chert: fresh, wh-gy, transl

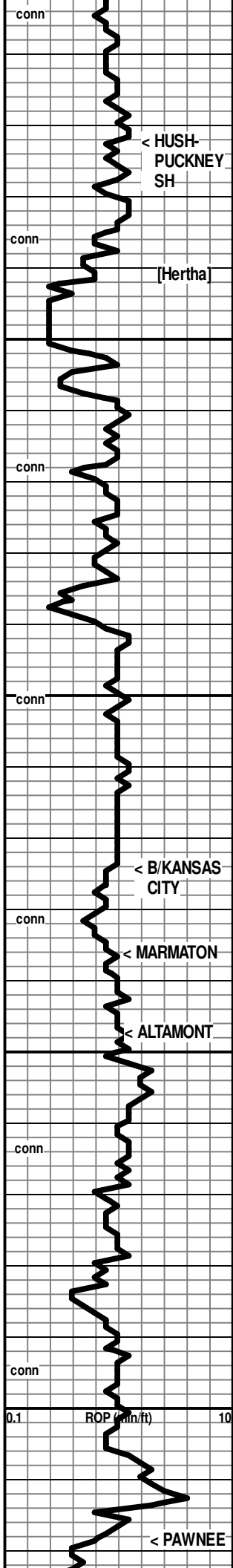
Ls cr, fn xln, dns in pt, pr xln por in pt, chert: fresh, wh-gy, transl

← 4772 (-2088)

Sh black, carb (poorly repres in spls)

Ls wh-cr, fn xln, pr-fr xln por, chalky in pt, ool





4850

4900

4950

5000



Ls cr-tan, vfn-fn xln, dns, foss in pt, chert: fresh, gy, foss

← 4822 (-2138)

Sh black, carb

Ls cr-tan, vfn-fn xln, mostly dns, sli foss in pt

Ls cr, fn xln, grainy text in pt, pr-fr xln por in pt, ool in pt, chert: fresh, cr-gy, transl

Ls cr-tan, vfn-fn xln, dns, chert: fresh, cr, subopaq

Ls cr-tan-gy, vfn-fn xln, dns, chert: fresh, wh-cr-gy, subopaq-opaq

Ls cr-gy, vfn-fn xln, dns, some subchalky, foss, chert: fresh, gy, transl-opaq; Low % gy-dk gy shale

Ls cr-gy, vfn-fn xln, dns, some subchalky, foss, chert: fresh, gy, transl-opaq

← 4924 (-2240)

Sh gy-dk gy

← 4936 (-2252)

Ls cr, fn xln, pr xln por to dns, Rr scatt interfoss pores, ool in pt, chert, pl gy, subopaq, spiculitic in pt

← 4947 (-2263)

Ls mostly cr, some tan, fn xln, pr-fr xln por in pt, dns in pt, foss, micro-ool to fn ool in pt, tr of weath'd ool

Sh gy-black

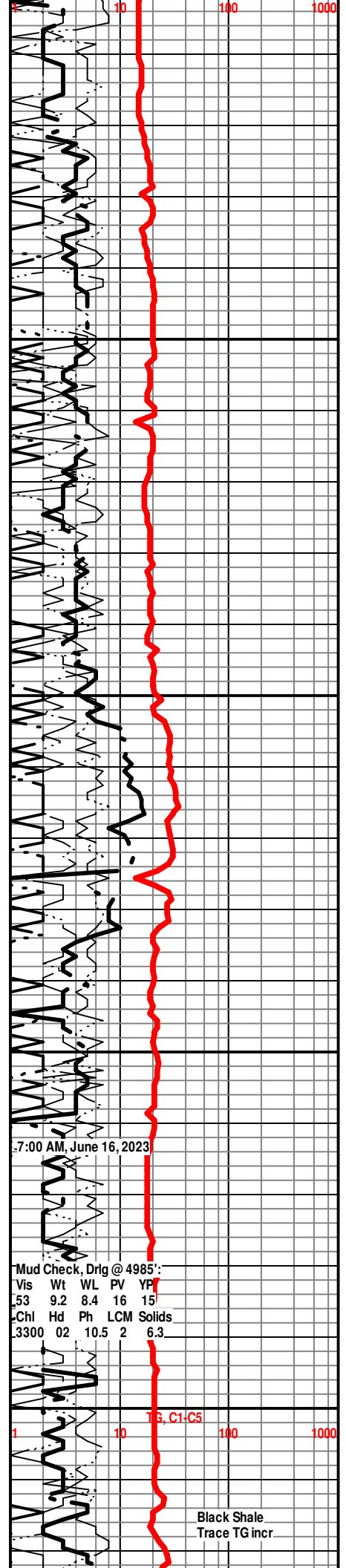
Ls cr-tan, vfn-fn xln, dns, sli foss in pt, tr of fresh chert

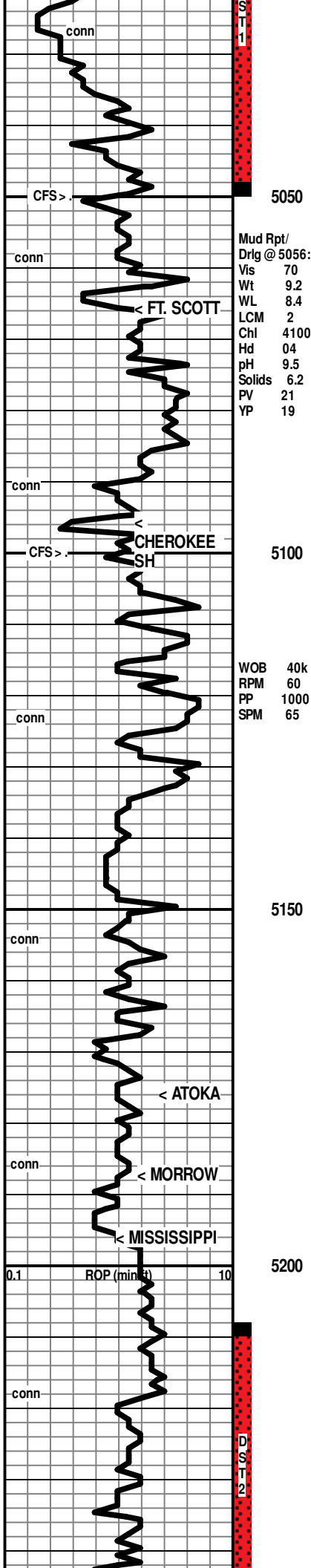
Ls cr-tan, vfn-fn xln, dns, sli foss in pt, sli cherty

Sh gy-black, carb in pt

← 5018 (-2334)

Ls wh-cr-tan, fn xln, some pr xln por, some dns, some chalky





Ls wh-cr tan, fn xln, some pr xln por, some dns, some chalky, foss
[V Fnt Odor, Low % pcs with brt speckled flour, a few pcs with tr of microdrops of colorless FO on crush]

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

Sh black, carb

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

Sh black, carb

5066 (-2382)

Ls mostly cr, some tan, subchalky in pt, dns in pt, pr xln por in pt, sli foss

Sh dk gy

Ls cr-tan-brn, fn xln, pr xln por to dns, foss to abund foss, chert: fresh, tan, transl

5095 (-2411)

80% Ls cr-tan, vfn-fn xln, dns to pr xln por, Rr scatt pp pores, foss; 20% Sh dk gy-black

80% Ls cr-tan, vfn-fn xln, dns to pr xln por, Rr scatt pp pores, foss; 20% Sh dk gy-black

95% Ls cr-tan, vfn-fn xln, subvitreous-subgrainy text, foss; 05% Sh gy-black

95% Ls cr-tan, vfn-fn xln, dns, foss; 05% Sh gy-black

85% Ls cr-tan, vfn-fn xln, dns, foss; 15% Sh gy-black, carb in pt; [NSIS]

90% Ls cr-tan, vfn-fn xln, dns, foss; 10% Sh gy-black, carb in pt

5176 (-2492)

90% Ls cr-tan, vfn-fn xln, dns, foss, chert: fresh, tan, transl; 10% Sh gy-black, carb in pt

5187 (-2503)

Sh pl gy-gy-grn, silty in pt, foss in pt

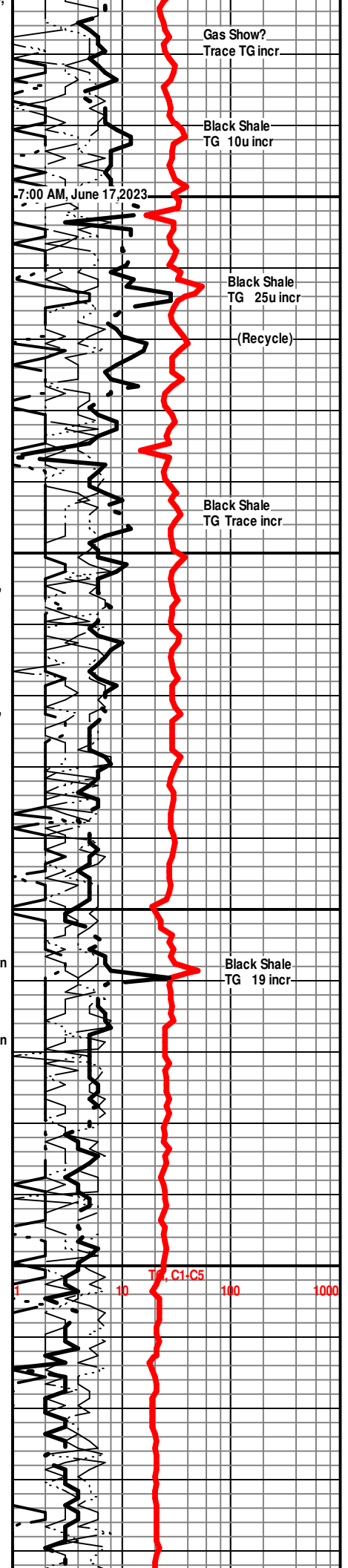
5196 (-2512)

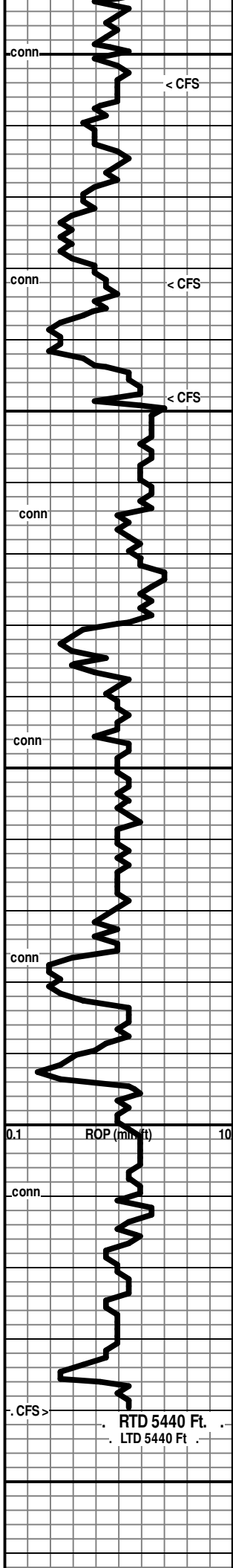
Ls wh-cr, fn xln, silty sdy in pt, ool in pt, pr vis xln por to dns

Ls wh-cr-tan, fn xln, silty sdy in pt, ool in pt, pr vis xln por to dns, chalky in pt

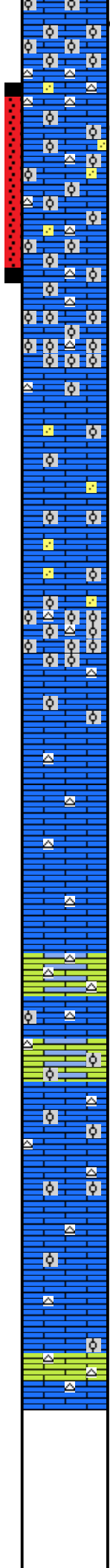
Ls wh-cr, fn xln, pr xln por, chalky in pt, dns in pt, sdy, incr'd ool (fn-md), Rr glauc specks

Ls wh-cr, fn xln, pr xln por, chalky in pt, dns in pt, sdy, incr'd ool (fn-md), Rr glauc specks

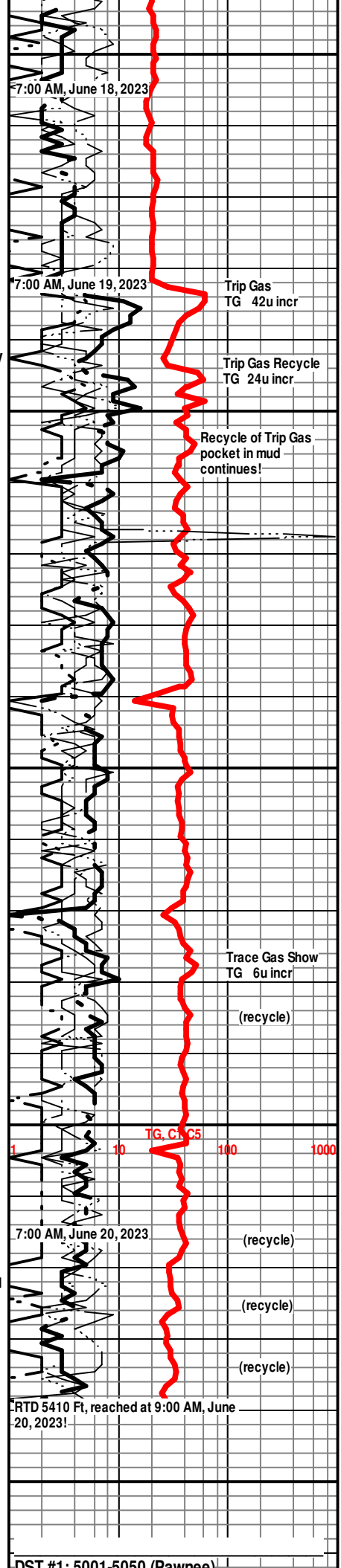




5250
DST
3
5300
5350
5400
5450



Ls wh-cr, fn xln, packed oolitic (md-crs) with scatt interool pores, fr-gd crush, abund loose ool in 60 min spl
[No Odor, Scatt dull spotty flour, Rr pcs with micro-drops of colorless FO on crush]
Ls cr, vfn xln, grainy text in pt, dns, abund fresh chert, foss in pt
Ls cr, fn xln, pr vis xln por, scatt pp pores, packed ool (md-crs, weath'd in pt) with scatt interool pores, sdy in pt, abund chert, fresh to grainy, transl
[Mild Odor in cup, Mod Odor on crush, scatt brt speck'd fluor, gd show of gas on crush, trace to sli shows of colorless-vlt tan gassy FO on crush]
Ls cr, fn xln, pr vis xln por, scatt pp pores, some chalky, packed ool (md-crs, weath'd in pt) with scatt interool pores, some chert, fresh to grainy, transl
[No Odor, Rr pcs with brt fluor, Rr pcs v sli gassy on crush, Rr trace show of colorless FO on crush, Gas kicked reasoned to be Trip gas from DST and a following recycle]
(Ls returning to: more sdy, less oolitic, and more dense)
Ls wh-cr-tan, fn xln, dns to pr vis xln por, grainy text in pt, sdy in pt, mostly dns & hard, some softer and chalky in pt, ool in pt
Ls wh, fn xln, dns & hard to softer & chalky, packed ool in pt, abund fresh chert
Ls cr-pl gy, vfn xln, dns, ool in pt, abund chert: fresh, pl gy, subtransl-transl
Ls cr-tan, -pl gy, vfn xln, dns, subgrainy text in pt, abund chert
Ls cr-tan, vfn-fn xln, dns, dolom in pt
Ls cr, sli dolom in pt, chalky in pt, appears dns, abund fresh chert [NSIS]
Ls cr, sli dolom in pt, chalky in pt, appears dns, ool in pt, abund fresh chert
Ls cr, chalky in pt, appears mostly dns, ool in pt, abund fresh chert
Ls cr, chalky in pt, appears mostly dns, low % ool in pt, abund fresh chert
Dolom Ls to Limey Dol, vfn xln, pr vis xln por, abund chert: fresh, gy, transl [NSIS]





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.

Po Box 47
Greatbend, Ks. 67530

ATTN: Brad Rine

28-28S-26W Ford

BH Unit 1-28

Job Ticket: 70648

DST#: 1

Test Start: 2023.06.16 @ 20:45:13

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:17:23

Time Test Ended: 03:28:03

Test Type: Conventional Bottom Hole (Initial)

Tester: Eric Burgess

Unit No: 80

Interval: 5001.00 ft (KB) To 5050.00 ft (KB) (TVD)

Total Depth: 5050.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2684.00 ft (KB)

2673.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8369 Outside

Press@RunDepth: 50.84 psig @ 5008.00 ft (KB)

Start Date: 2023.06.16

End Date:

2023.06.17

Start Time: 20:45:14

End Time:

03:28:03

Capacity: 8000.00 psig

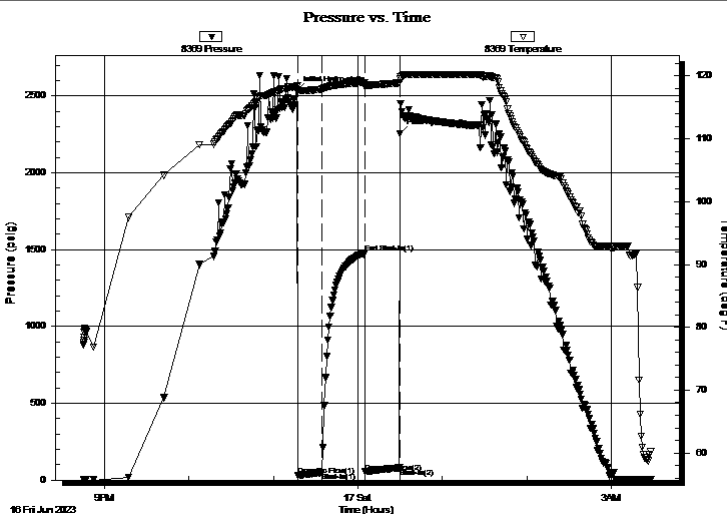
Last Calib.: 2023.06.17

Time On Btm: 2023.06.16 @ 23:16:53

Time Off Btm: 2023.06.17 @ 00:29:53

TEST COMMENT: IF:Weak Building Blow built to .89" (15)
IS:No Blow Back. (30)
FF:Surface Bubbles only pulled test per Geo. (20)

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2535.59	118.37	Initial Hydro-static
1	29.91	117.75	Open To Flow (1)
18	50.84	117.89	Shut-In(1)
48	1477.88	118.99	End Shut-In(1)
48	54.02	118.26	Open To Flow (2)
73	79.59	118.92	Shut-In(2)
73	2255.80	119.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	WCM 35%W 65%M	0.05
60.00	M 100%M	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.

28-28S-26W Ford

Po Box 47
Greatbend, Ks. 67530

BH Unit 1-28

Job Ticket: 70648

DST#: 1

ATTN: Brad Rine

Test Start: 2023.06.16 @ 20:45:13

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:17:23

Time Test Ended: 03:28:03

Test Type: Conventional Bottom Hole (Initial)

Tester: Eric Burgess

Unit No: 80

Interval: 5001.00 ft (KB) To 5050.00 ft (KB) (TVD)

Total Depth: 5050.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2684.00 ft (KB)

2673.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8679

Press@RunDepth: psig @ ft (KB)

Start Date: 2023.06.16

End Date:

2023.06.17

Start Time: 20:45:44

End Time:

03:28:53

Capacity: 8000.00 psig

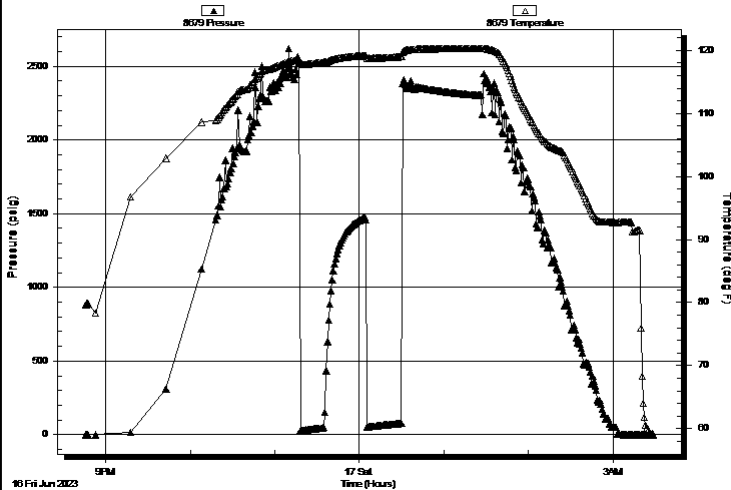
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Weak Building Blow built to .89" (15)
IS:No Blow Back. (30)
FF:Surface Bubbles only pulled test per Geo. (20)

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	WCM 35%W 65%M	0.05
60.00	M 100%M	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

28-28S-26W Ford

Po Box 47
Greatbend, Ks. 67530

BH Unit 1-28

Job Ticket: 70648

DST#: 1

ATTN: Brad Rine

Test Start: 2023.06.16 @ 20:45:13

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 8.38 in³

Resistivity: ohm.m

Salinity: 3300.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

8000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	WCM 35%W 65%M	0.049
60.00	M 100%M	0.295

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 #: 8369

Outside Carmen Schnitt, Inc.

BH Unit 1-28

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 70648

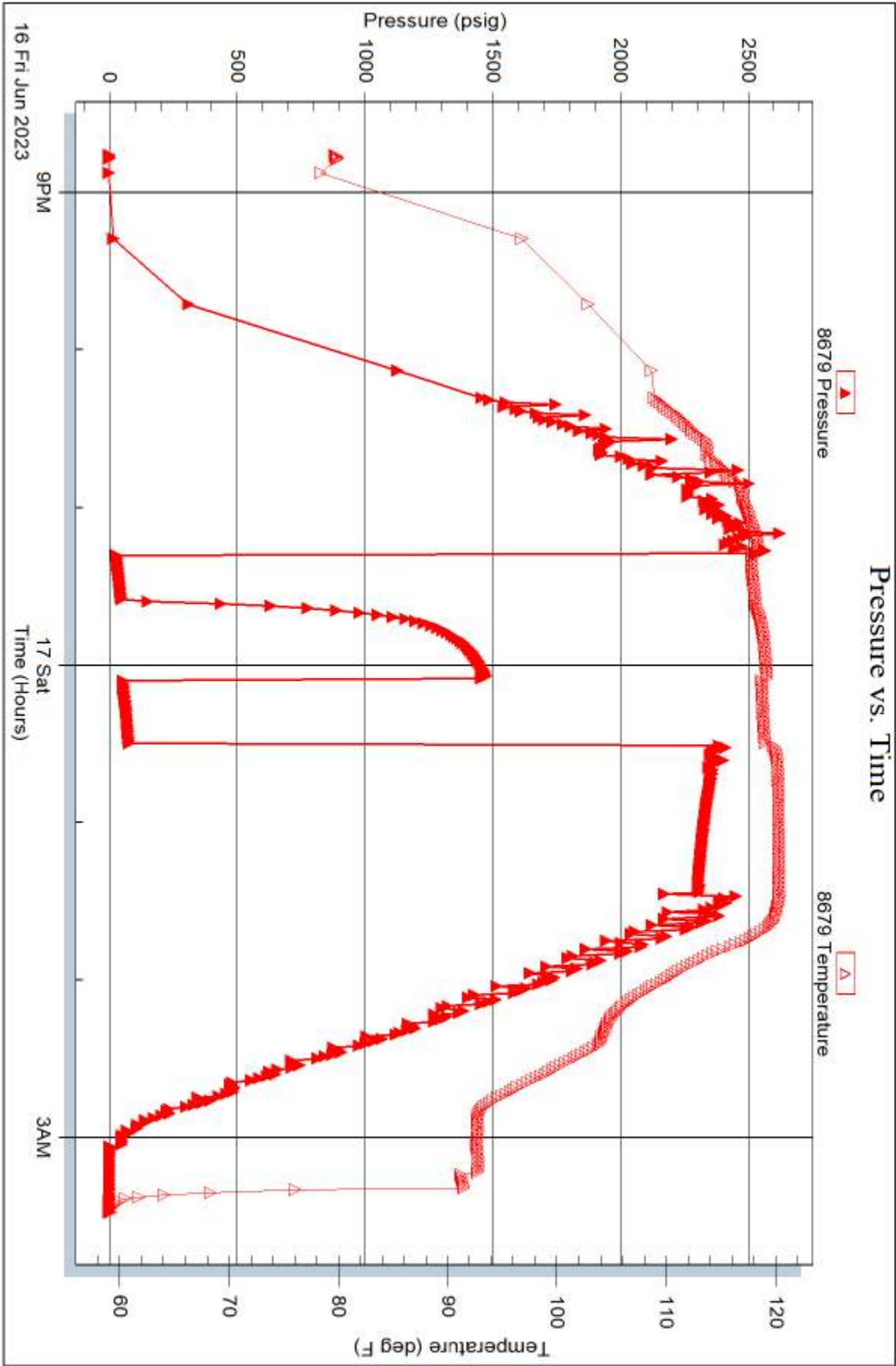
Printed: 2023.06.17 @ 07:36:07

Serial #: 8679

Carmen Schnitt, Inc.

BH Unit 1-28

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.

28-28S-26W Ford

Po Box 47
Greatbend, Ks. 67530

BH Unit 1-28

Job Ticket: 70649

DST#: 2

ATTN: Brad Rine

Test Start: 2023.06.18 @ 11:47:09

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:52:39

Time Test Ended: 17:14:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Eric Burgess

Unit No: 80

Interval: 5208.00 ft (KB) To 5254.00 ft (KB) (TVD)

Total Depth: 5254.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2684.00 ft (KB)

2673.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8369 Outside

Press@RunDepth: 28.86 psig @ 5215.00 ft (KB)

Start Date: 2023.06.18

End Date:

2023.06.18

Start Time: 11:47:10

End Time:

17:14:29

Capacity: 8000.00 psig

Last Calib.: 2023.06.18

Time On Btm: 2023.06.18 @ 13:52:09

Time Off Btm: 2023.06.18 @ 14:56:49

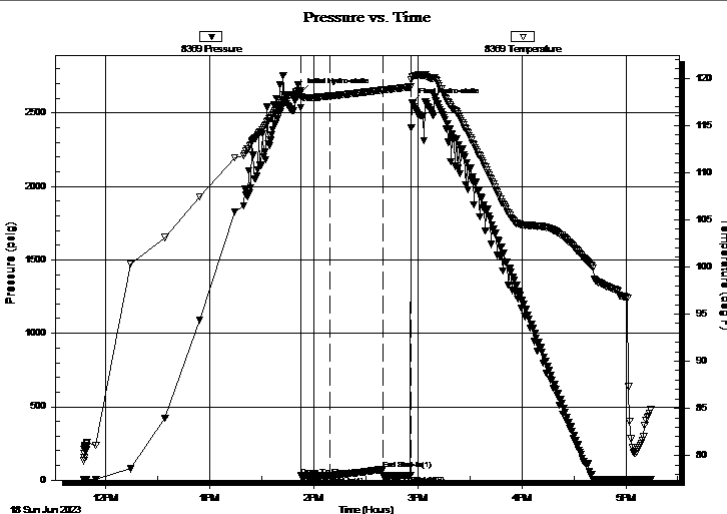
TEST COMMENT: IF:Weak Blow died 10min. into open. (15)

IS:No Blow Back. (30)

FF:No Blow. (10)

FS:Pulled test.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2639.69	118.68	Initial Hydro-static
1	28.09	118.05	Open To Flow (1)
18	28.86	118.10	Shut-In(1)
48	74.30	118.75	End Shut-In(1)
48	30.24	118.74	Open To Flow (2)
64	31.27	119.08	Shut-In(2)
65	2570.52	120.12	Final Hydro-static

Recovery

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

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.

Po Box 47
Greatbend, Ks. 67530

ATTN: Brad Rine

28-28S-26W Ford

BH Unit 1-28

Job Ticket: 70649

DST#: 2

Test Start: 2023.06.18 @ 11:47:09

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:52:39

Time Test Ended: 17:14:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Eric Burgess

Unit No: 80

Interval: 5208.00 ft (KB) To 5254.00 ft (KB) (TVD)

Total Depth: 5254.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2684.00 ft (KB)

2673.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8679

Press@RunDepth: psig @ ft (KB)

Start Date: 2023.06.18

End Date:

2023.06.18

Start Time: 11:47:09

End Time:

17:14:38

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

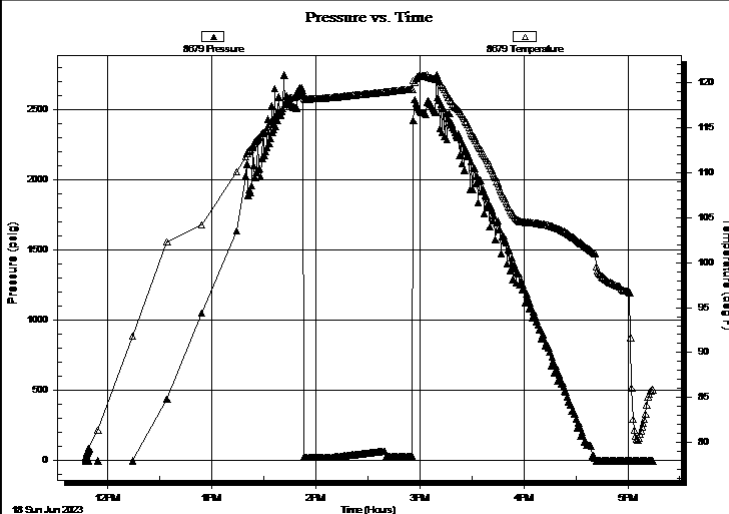
TEST COMMENT: IF:Weak Blow died 10min. into open. (15)

IS:No Blow Back. (30)

FF:No Blow . (10)

FS:Pulled test.

PRESSURE SUMMARY



Time
(Min.)

Pressure
(psig)

Temp
(deg F)

Annotation

Recovery

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

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

28-28S-26W Ford

Po Box 47
Greatbend, Ks. 67530

BH Unit 1-28

Job Ticket: 70649

DST#: 2

ATTN: Brad Rine

Test Start: 2023.06.18 @ 11:47:09

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.59 in³

Resistivity: ohm.m

Salinity: 3250.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	M 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:

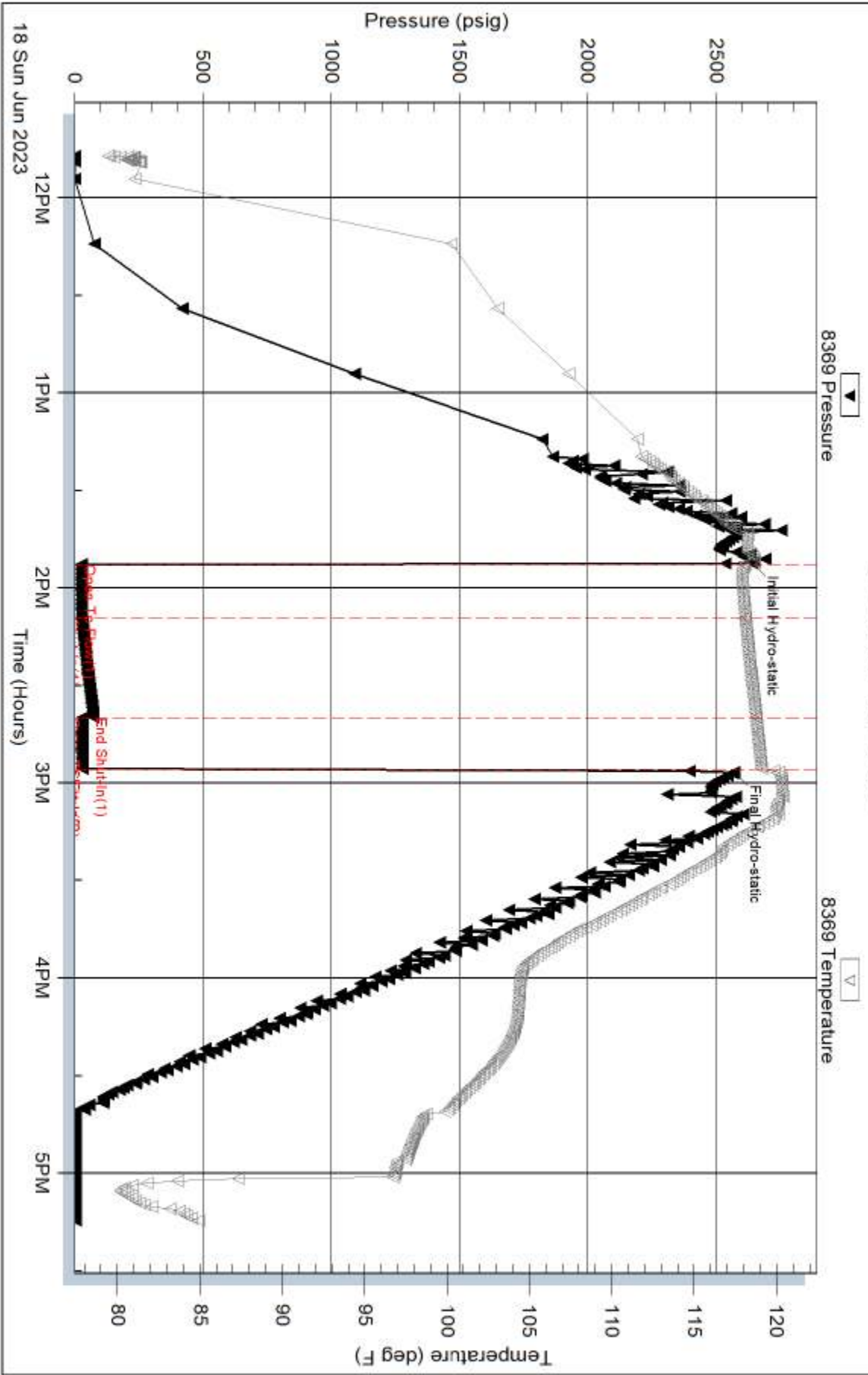
Serial #: 8369

Outside Carmen Schnitt, Inc.

BH Unit 1-28

DST Test Number: 2

Pressure vs. Time

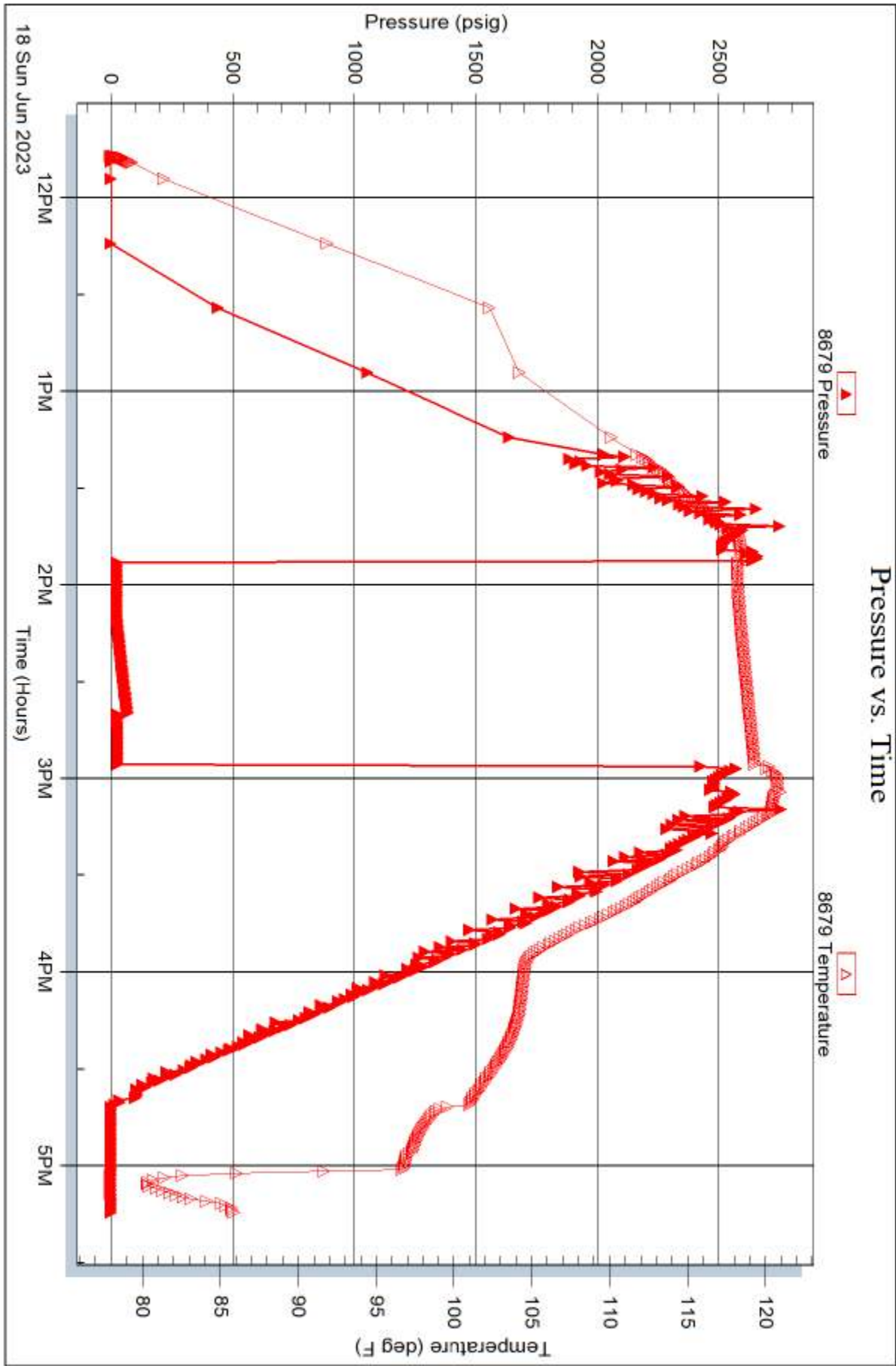


Serial #: 8679

Carmen Schnitt, Inc.

BH Unit 1-28

DST Test Number: 2





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.

28-28S-26W Ford

Po Box 47
Greatbend, Ks. 67530

BH Unit 1-28

Job Ticket: 70650

DST#: 3

ATTN: Brad Rine

Test Start: 2023.06.19 @ 03:47:11

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:58:01

Time Test Ended: 11:29:11

Test Type: Conventional Bottom Hole (Reset)

Tester: Eric Burgess

Unit No: 80

Interval: 5254.00 ft (KB) To 5282.00 ft (KB) (TVD)

Reference Elevations: 2684.00 ft (KB)

Total Depth: 5282.00 ft (KB) (TVD)

2673.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8369 Outside

Press@RunDepth: 105.28 psig @ 5255.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.06.19

End Date:

2023.06.19

Last Calib.:

2023.06.19

Start Time: 03:47:12

End Time:

11:29:11

Time On Btm:

2023.06.19 @ 05:57:11

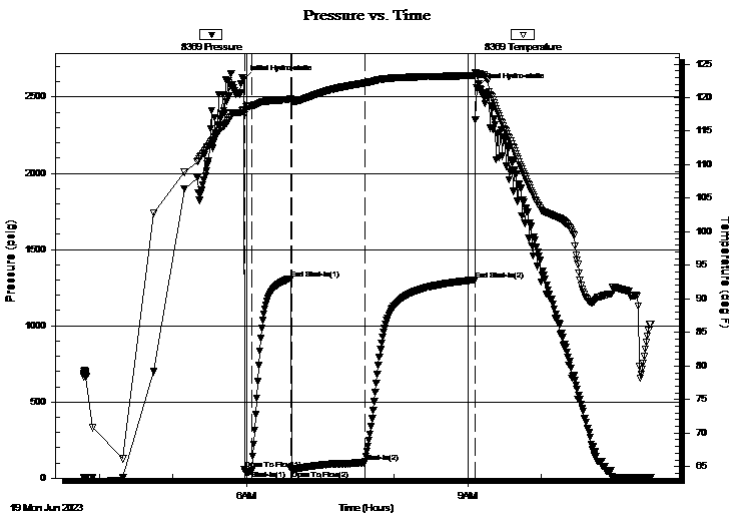
Time Off Btm:

2023.06.19 @ 09:07:11

TEST COMMENT: IF: Strong Building Blow built 24.11" (5)
IS: No Blow Back. (30)
FF: Strong Building Blow built to 118.43" (60)
FS: .75" Blow Back in Bucket. (90)

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2614.30	118.21	Initial Hydro-static
1	56.65	117.45	Open To Flow (1)
7	53.50	118.78	Shut-In(1)
39	1307.64	119.76	End Shut-In(1)
40	52.46	119.44	Open To Flow (2)
99	105.28	122.16	Shut-In(2)
189	1301.07	123.29	End Shut-In(2)
190	2559.56	123.61	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
62.00	OWMCG 55%G 5%O 20%W 20%M	0.30
62.00	OWMCG 45%G 10%O 10%W 35%M	0.30
62.00	GOCM 5%G 10%O 85%M	0.30
5.00	MCO 85%O 15%M	0.02
0.00	2646' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.

Po Box 47
Greatbend, Ks. 67530

ATTN: Brad Rine

28-28S-26W Ford

BH Unit 1-28

Job Ticket: 70650

DST#: 3

Test Start: 2023.06.19 @ 03:47:11

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:58:01

Time Test Ended: 11:29:11

Test Type: Conventional Bottom Hole (Reset)

Tester: Eric Burgess

Unit No: 80

Interval: 5254.00 ft (KB) To 5282.00 ft (KB) (TVD)

Total Depth: 5282.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2684.00 ft (KB)

2673.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8679

Press@RunDepth: psig @ ft (KB)

Start Date: 2023.06.19

End Date:

2023.06.19

Start Time: 03:47:09

End Time:

11:29:18

Capacity: 8000.00 psig

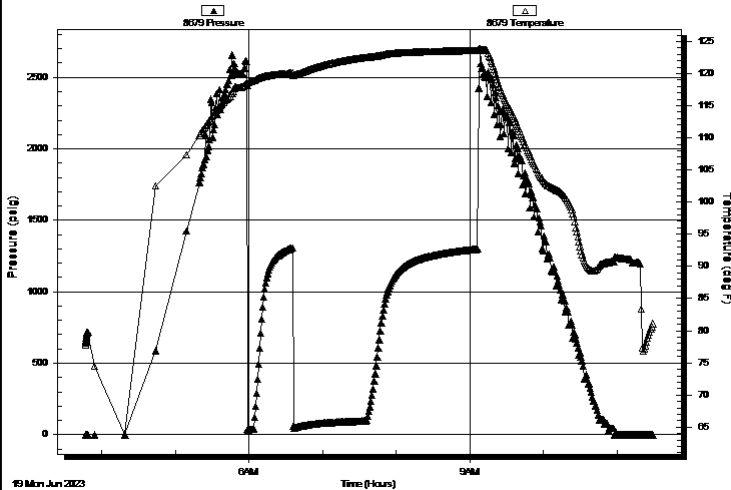
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong Building Blow built 24.11" (5)
IS: No Blow Back. (30)
FF: Strong Building Blow built to 118.43" (60)
FS: .75" Blow Back in Bucket. (90)

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
62.00	OWMCG 55%G 5%O 20%W 20%M	0.30
62.00	OWMCG 45%G 10%O 10%W 35%M	0.30
62.00	GOCM 5%G 10%O 85%M	0.30
5.00	MCO 85%O 15%M	0.02
0.00	2646' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

28-28S-26W Ford

Po Box 47
Greatbend, Ks. 67530

BH Unit 1-28

Job Ticket: 70650

DST#: 3

ATTN: Brad Rine

Test Start: 2023.06.19 @ 03:47:11

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 3325.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity: 50000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OWMCG 55%G 5%O 20%W 20%M	0.305
62.00	OWMCG 45%G 10%O 10%W 35%M	0.305
62.00	GOCM 5%G 10%O 85%M	0.305
5.00	MCO 85%O 15%M	0.025
0.00	2646' GIP	0.000

Total Length: 191.00 ft

Total Volume: 0.940 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

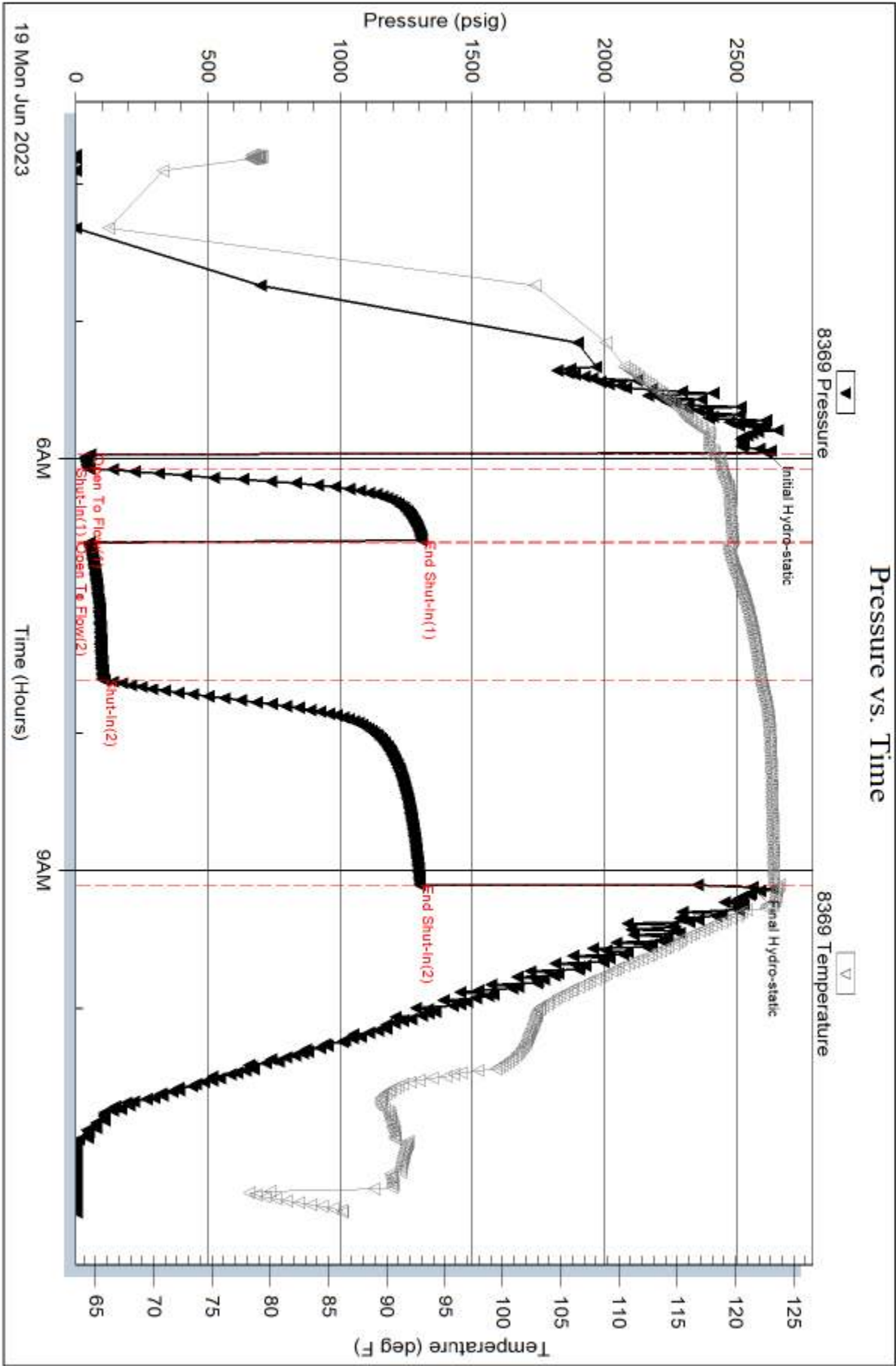
Recovery Comments:

Serial #: 8369

Outside Carmen Schmitt, Inc.

BH Unit 1-28

DST Test Number: 3

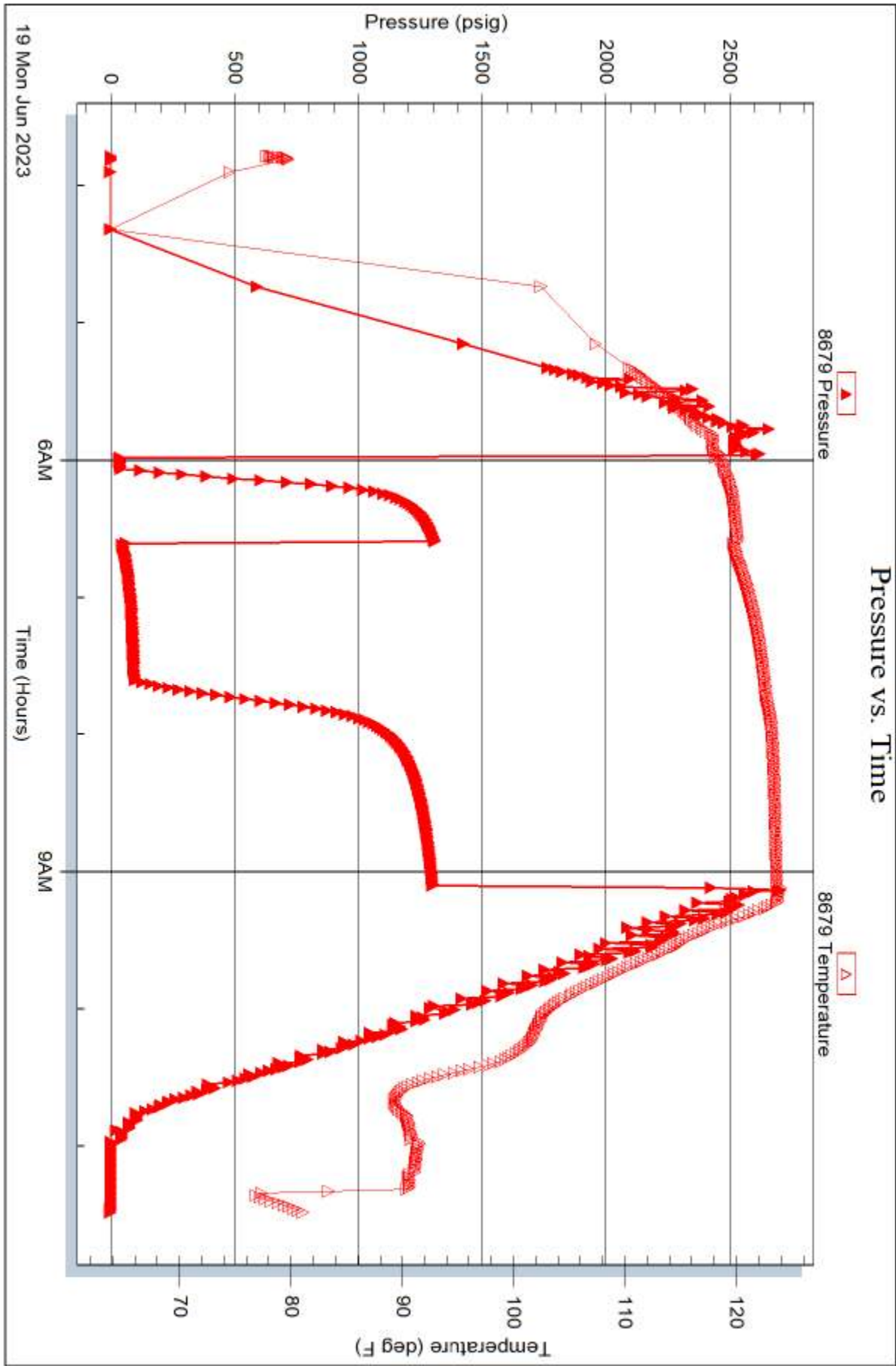


Serial #: 8679

Carmen Schmitt, Inc.

BH Unit 1-28

DST Test Number: 3



SWIFT



Services, Inc.

P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
7/14/2023	34988

BILL TO

Carmen Schmitt, Inc.
P. O. Box 47
915 Harrison
Great Bend, KS 67530-0047

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-28	B.H. Unit	Ford	Express Well	Oil	Development	Cement Port Collar	Wayne
PRICE REF.		DESCRIPTION			QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way			70	Miles	8.00	560.00	
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars			1	Job	1,700.00	1,700.00	
105	Port Collar Tool Rental With Man			1	Each	350.00	350.00T	
330	Swift Multi-Density Standard (MIDCON II)			250	Sacks	21.00	5,250.00T	
276	Flocele			75	Lb(s)	4.00	300.00T	
290	D-Air			3	Gallon(s)	42.00	126.00T	
581D	Service Charge Cement			250	Sacks	2.00	500.00	
583D	Drayage			874.13	Ton Miles	1.00	874.13	
Subtotal							9,660.13	
Sales Tax Ford County						7.50%	451.95	
7/10/43 20275.0128 Well Rile "Cement Port Collar"								
We Appreciate Your Business!						Total		
						\$10,112.08		



CHARGE TO: CARMEN SCHMETT INC
ADDRESS
CITY, STATE, ZIP CODE

TICKET 34988

PAGE 1	OF 1
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SERVICE LOCATIONS 1. NESS CITY, KS	WELL/PROJECT NO. 1-28	LEASE B.H. UNIT	COUNTY/PARISH FORD	STATE KS	CITY	DATE 7-14-2023	OWNER SAME
2.	TICKET TYPE ☒ SERVICE ☐ SALES	CONTRACTOR EXPRESS WELL SERVICE	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO LOCATED	ORDER NO.	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE CEMENT PORT COLLAR	WELL PERMIT NO.		WELL LOCATION SW/ DODGE CITY, KS	
4.	INVOICE INSTRUCTIONS						
REFERRAL LOCATION							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF											
575		1			MILEAGE # 112	70			MI					8.00	560.00
576D		1			PUMP CHARGE - PORT COLLAR	1			JOB	1757		FT		1700.00	1700.00
105		1			PORT COLLAR TOOL RENTAL	1			JOB					350.00	350.00
330		1			SWIFT MULTI-DENSITY STANDARD	250			SWS					21.00	5250.00
276		1			FLOCE	75			LBS					4.00	300.00
290		1			D-ADR	3			GAL					42.00	126.00
581		1			SERVICE CHARGE CEMENT	250			SWS					2.00	500.00
583		1			DRAYAGE	24975			LBS	874.13		TM		1.00	874.13

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X

DATE SIGNED 7-14-2023	TIME SIGNED 1200	☐ A.M. ☒ P.M.
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REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL	966013 928513
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX	451.95
ARE YOU SATISFIED WITH OUR SERVICE? ☐ YES ☐ NO				TOTAL	10,112.08
☐ CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.	
SWIFT OPERATOR Wayne Wilson	APPROVAL Wayne Philborn

Thank You!

7-14-2023

1

CUSTOMER
CARMEN SCHMITT JAC

WELL NO.
1-28

LEASE
B.H. UNIT

JOB TYPE
PORT COLLAR

TICKET NO. 34988

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1200							ON LOCATION
								2 3/8" x 5 1/2"
								PORT COLLAR = 1757'
	1230				✓		1000	PSI TEST - HELD
	1235	3	10	✓		500		OPEN PORT COLLAR - INJ RATE
	1240	4	69	✓		600		MAX CEMENT - 125 SKS SMD @ 11.2 PPG
		3	29	✓		500		75 SKS SMD @ 12.5 PPG
		3	14	✓		450		50 SKS SMD @ 14.0 PPG
	1315	3	6	✓		700		DISPLACE CEMENT
	1325			✓		1000		CLOSE PORT COLLAR - PSI TEST - HELD
								CIRCULATED 50 SKS CEMENT TO PZT
	1345	4	20	✓		500		RUN 5 JTS CIRCULATE CLEAN - PULL TOOL
								WASH TRUCK - TOP OFF WELL
	1500							JOB COMPLETE
								THANK YOU
								WAYNE, PRESTON, JOHN J.