

Confidentiality Requested:

Yes No

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

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

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

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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REMIT TO
 QES Pressure Pumping LLC
 Dept:970
 P.O.Box 4346
 Houston, TX 77210-4346

APR 01 2019 MAIN OFFICE
 P.O.Box884
 Chanute, KS 66720
 620/431-9210, 1-800/467-8676
 Fax 620/431-0012

Invoice *R* Invoice# 900624

Invoice Date: 03/27/19 Terms: Net 30 Page 1

BEREXCO, LLC
 2020 N. Bramblewood Street
 Wichita KS 67206
 USA
 3162653311

MCFEE 2-4

Part No	Description	Quantity	Discounted Unit Price	Discounted Total
CE0471	Cement Pump Charge .301' - 500' (Coalbed/Methane)	1.000	747.5000	747.50
CE0002	Equipment Mileage Charge - Heavy Equipment	75.000	4.6475	348.56
CE0710	Cement Delivery Charge	1,142.250	1.1375	1,299.31
CC5871	Surface Blend II, 2% Gel/3% CaCl	325.000	15.6000	5,070.00
			SubTotal After Discount	7,465.37

Tax: 430.95
 Total: 7,896.32

Amount Due 12,148.19 If paid after 04/26/19

8 5/8" surf csq cmt

RRR

CC WF



PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

100298

40503

TICKET NUMBER 56026

LOCATION Okla B

FOREMAN Jerry

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 9006215

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-26-19	1707	McFee 2-4	4	25	370	Cheyenne
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Bercx CO			731	Aert W		
Mailing Address			528-FR9	Matadi L		
2020 N. Bramblewood Street			535	Jerry		
CITY			1098	Robert D		
Wichita						
STATE	ZIP CODE					
KS	67206					

JOB TYPE <u>Surface</u>	HOLE SIZE <u>12 1/4</u>	HOLE DEPTH <u>326</u>	CASING SIZE & WEIGHT <u>8 7/8 20#</u>
CASING DEPTH <u>326</u>	DRILL PIPE	TUBING	OTHER
SLURRY WEIGHT <u>14.8</u>	SLURRY VOL <u>1.24</u>	WATER gal/sk	CEMENT LEFT in CASING <u>20'</u>
DISPLACEMENT <u>19 1/2</u>	DISPLACEMENT PSI	MIX PSI	RATE

REMARKS: Safety meeting & rig up on Bercx co circulate casing mix 325 sks down
3 & 2 we have a slip with 19 1/2 bbl - shaken
approx 4561 to pit

Cement did
circulate

Thank you
Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0471	1	PUMP CHARGE	1150.00	1150.00
CE0002	75	MILEAGE	7.15	536.25
CE0710	15.23	for mileage delivery	1.75	1998.94
CC5871	325 SKS	surface blend II	24.00	7800.00
			Subtotal	11485.19
			-35%	4019.82
			Subtotal	7465.37
			SALES TAX	430.95
			ESTIMATED TOTAL	7896.32

SCANNED

Form 3737

AUTHORIZATION Blong Budy TITLE Tod pusher DATE 3/26/2019

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N bramblewood
 Wichita KS 67206
 ATTN: Bryan Bynog

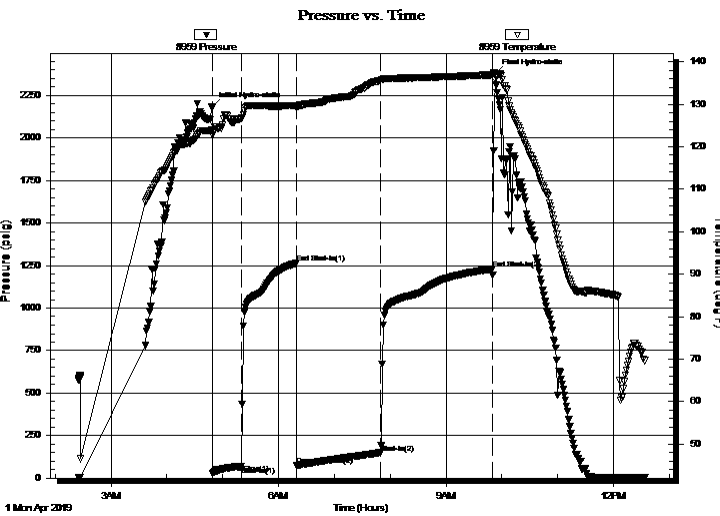
4-25-37W Cheyenne KS
McFee #2-4
 Job Ticket: 65350 **DST#: 1**
 Test Start: 2019.04.01 @ 02:25:00

GENERAL INFORMATION:

Formation: **LKC "A-B"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 04:48:50 Tester: Martine Salinas/Shaw
 Time Test Ended: 12:34:19 Unit No: 82
 Interval: **4215.00 ft (KB) To 4300.00 ft (KB) (TVD)** Reference Elevations: 3262.00 ft (KB)
 Total Depth: 4300.00 ft (KB) (TVD) 3254.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8959 Inside
 Press@RunDepth: 148.90 psig @ 4216.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.04.01 End Date: 2019.04.01 Last Calib.: 2019.04.01
 Start Time: 02:25:01 End Time: 12:34:19 Time On Btm: 2019.04.01 @ 04:48:40
 Time Off Btm: 2019.04.01 @ 09:52:39

TEST COMMENT: 30-IF-S.blow built to 5 1/2"
 60-ISI-No blow
 90-FF-S.blow built to 11 1/2"
 120-FSI-no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.85	123.91	Initial Hydro-static
1	29.47	122.68	Open To Flow (1)
32	71.28	126.56	Shut-In(1)
91	1263.21	129.67	End Shut-In(1)
91	74.82	129.43	Open To Flow (2)
182	148.90	135.53	Shut-In(2)
302	1230.64	136.91	End Shut-In(2)
304	2379.88	135.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
184.00	GHWCM 2%G, 35%W, 63%M	2.06
80.00	GSOSM 4%G, 2%O, 94%M	1.12

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N bramble wood
 Wichita KS 67206
 ATTN: Bryan Bynog

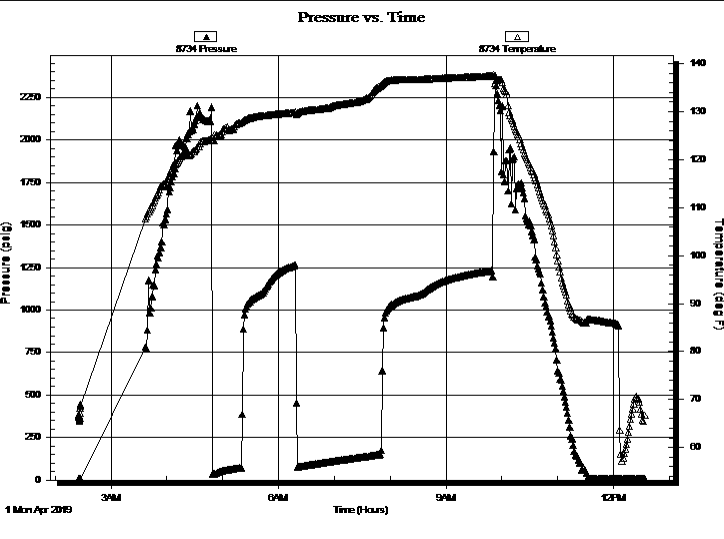
4-25-37W Cheyenne KS
McFee #2-4
 Job Ticket: 65350 **DST#: 1**
 Test Start: 2019.04.01 @ 02:25:00

GENERAL INFORMATION:

Formation: **LKC "A-B"**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 04:48:50 Tester: Martine Salinas/Shaw
 Time Test Ended: 12:34:19 Unit No: 82
Interval: 4215.00 ft (KB) To 4300.00 ft (KB) (TVD) Reference Elevations: 3262.00 ft (KB)
 Total Depth: 4300.00 ft (KB) (TVD) 3254.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8734 Outside
 Press@RunDepth: psig @ 4216.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.04.01 End Date: 2019.04.01 Last Calib.: 2019.04.01
 Start Time: 02:25:01 End Time: 12:34:19 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF-S.blow built to 5 1/2"
 60-ISI-No blow
 90-FF-S.blow built to 11 1/2"
 120-FSI-no blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
184.00	GHWCM 2%G, 35%W, 63%M	2.06
80.00	GSOSM 4%G, 2%O, 94%M	1.12

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

4-25-37W

Cheyenne KS

2020 N bramblewood
Wichita KS 67206

McFee #2-4

Job Ticket: 65350

DST#: 1

ATTN: Bryan Bynog

Test Start: 2019.04.01 @ 02:25:00

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:

25000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
184.00	GHWCM 2%G, 35%W, 63%M	2.062
80.00	GSOSM 4%G, 2%O, 94%M	1.122

Total Length: 264.00 ft Total Volume: 3.184 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

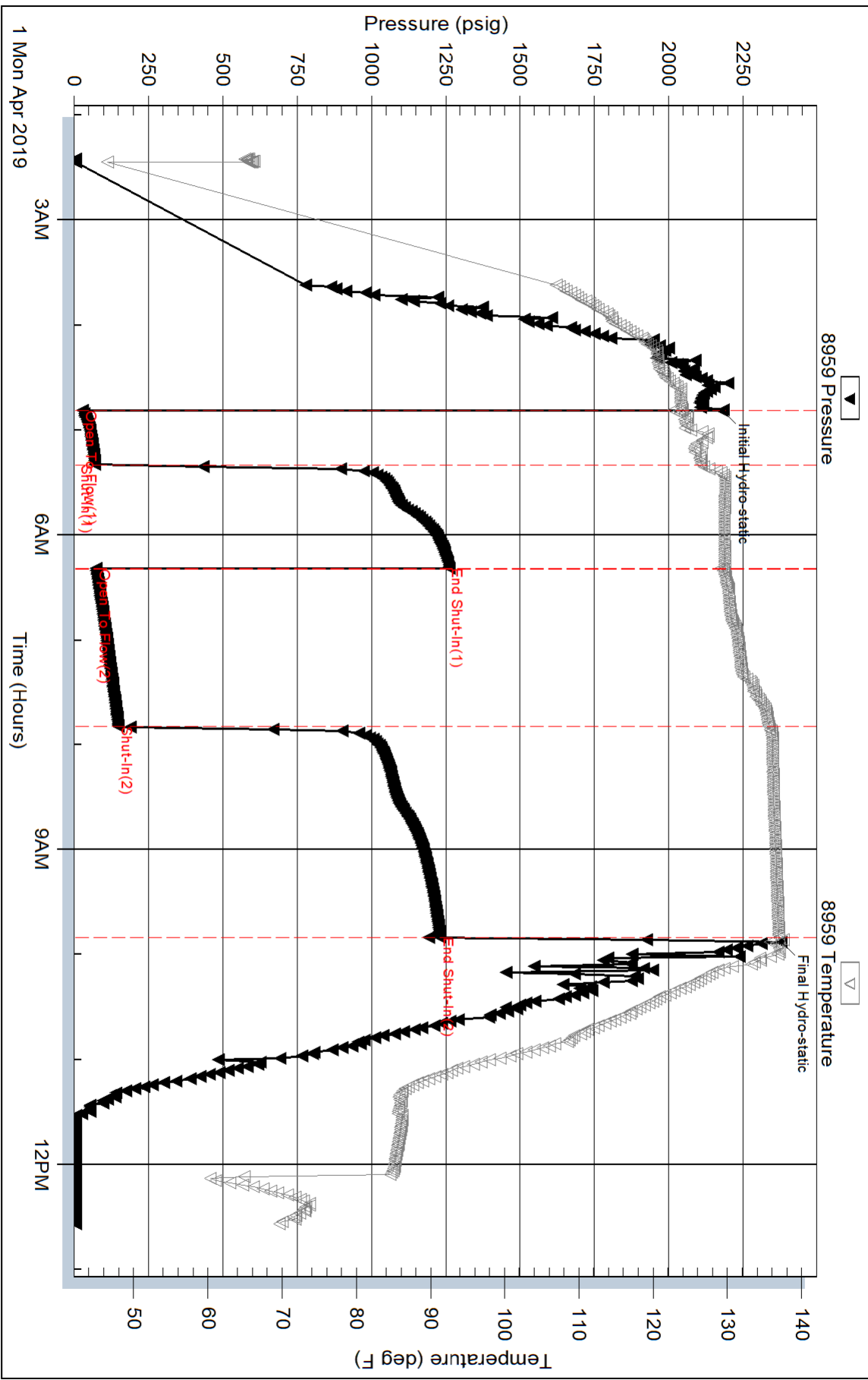
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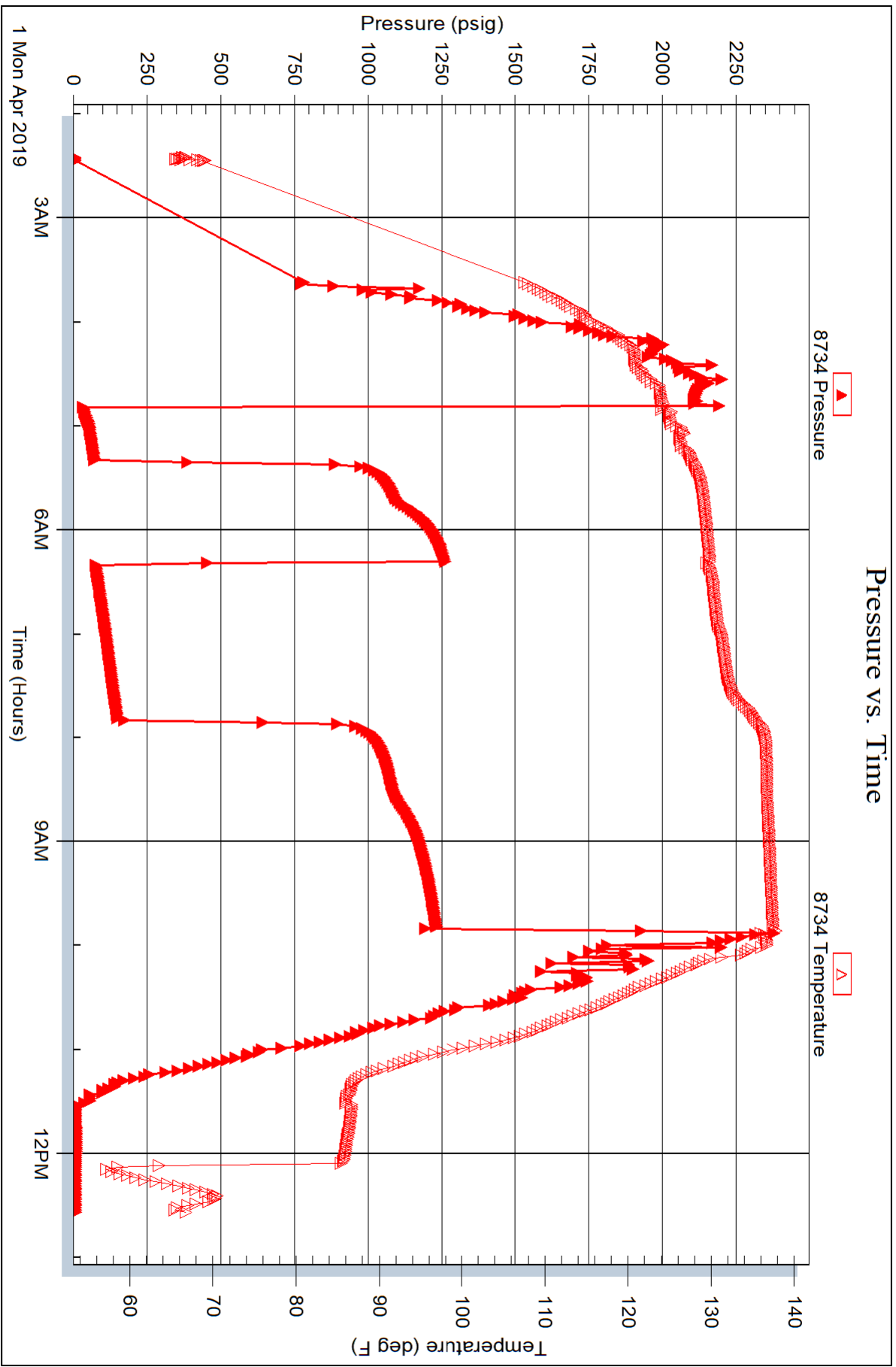
Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .295 @ 67.7 DEG = 25,000 PPM

Pressure vs. Time







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N bramble wood
 Wichita KS 67206
 ATTN: Bryan Bynog

4-25-37W Cheyenne KS
McFee #2-4
 Job Ticket: 63276 **DST#: 2**
 Test Start: 2019.04.01 @ 22:13:00

GENERAL INFORMATION:

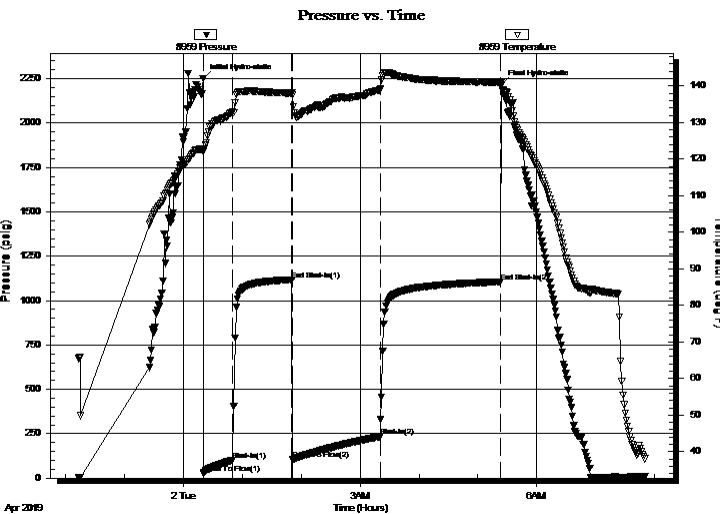
Formation: **LKC "C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:20:00
 Time Test Ended: 07:51:10
 Interval: **4275.00 ft (KB) To 4340.00 ft (KB) (TVD)**
 Total Depth: 4340.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas/Shaw
 Unit No: 82
 Reference Elevations: 3262.00 ft (KB)
 3254.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8959

Inside

Press@RunDepth: 234.04 psig @ 4276.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.04.01 End Date: 2019.04.02 Last Calib.: 2019.04.02
 Start Time: 22:13:01 End Time: 07:51:10 Time On Btm: 2019.04.02 @ 00:19:50
 Time Off Btm: 2019.04.02 @ 05:24:20

TEST COMMENT: 30-IF-S. blow built to 11"
 60-ISI-No blow
 90-FF-S.blow built to B.O.B(12 inches) @ 45 mins (blow increased to 23 1/2")
 120-FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2248.33	122.92	Initial Hydro-static
1	26.88	122.03	Open To Flow (1)
31	101.95	132.83	Shut-In(1)
91	1116.61	138.01	End Shut-In(1)
91	106.04	137.51	Open To Flow (2)
181	234.04	139.04	Shut-In(2)
304	1105.48	140.99	End Shut-In(2)
305	2214.79	140.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	SOSMCW 1%O, 28%M, 71%W	2.15
120.00	GSOWCM 3%G, 3%O, 29%W, 65%M	1.68
210.00	GSOWSM 6%G, 3%O, 6%W, 85%M	2.95
5.00	CO 100%O	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC
2020 N bramble wood
Wichita KS 67206
ATTN: Bryan Bynog

4-25-37W Cheyenne KS
McFee #2-4
Job Ticket: 63276 **DST#: 2**
Test Start: 2019.04.01 @ 22:13:00

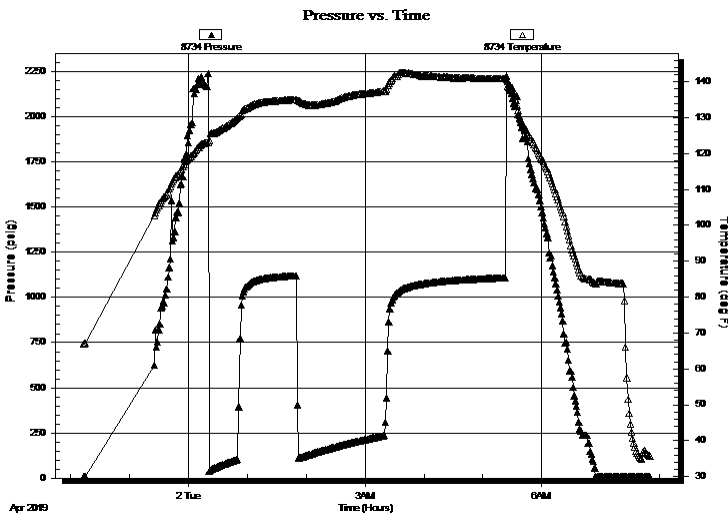
GENERAL INFORMATION:

Formation: **LKC "C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:20:00
Time Test Ended: 07:51:10
Test Type: Conventional Bottom Hole (Reset)
Tester: Martine Salinas/Shaw
Unit No: 82
Interval: **4275.00 ft (KB) To 4340.00 ft (KB) (TVD)**
Reference Elevations: 3262.00 ft (KB)
Total Depth: 4340.00 ft (KB) (TVD)
3254.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good
KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: psig @ 4276.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.04.01 End Date: 2019.04.02 Last Calib.: 2019.04.02
Start Time: 22:13:01 End Time: 07:51:10 Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-S. blow built to 11"
60-ISI-No blow
90-FF-S. blow built to B.O.B(12 inches) @ 45 mins (blow increased to 23 1/2")
120-FSI-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
190.00	SOSMCW 1%O, 28%M, 71%W	2.15
120.00	GSOWCM 3%G, 3%O, 29%W, 65%M	1.68
210.00	GSOWSM 6%G, 3%O, 6%W, 85%M	2.95
5.00	CO 100%O	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

4-25-37W

Cheyenne KS

2020 N bramblewood
Wichita KS 67206

McFee #2-4

Job Ticket: 63276

DST#: 2

ATTN: Bryan Bynog

Test Start: 2019.04.01 @ 22:13:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

20.2 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

42000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
190.00	SOSMCW 1%O, 28%M, 71%W	2.146
120.00	GSOWCM 3%G, 3%O, 29%W, 65%M	1.683
210.00	GSOWSM 6%G, 3%O, 6%W, 85%M	2.946
5.00	CO 100%O	0.070

Total Length: 525.00 ft Total Volume: 6.845 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

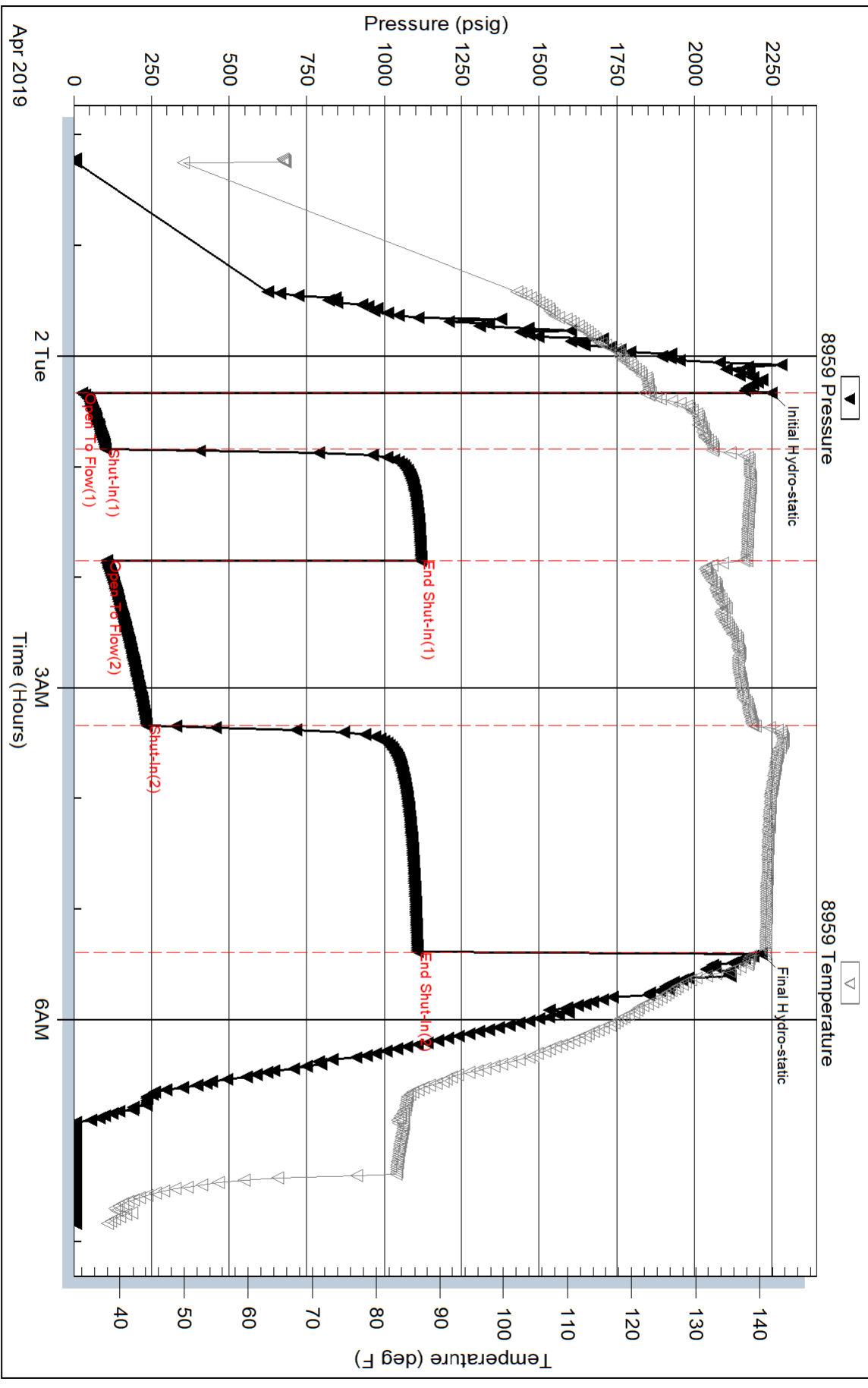
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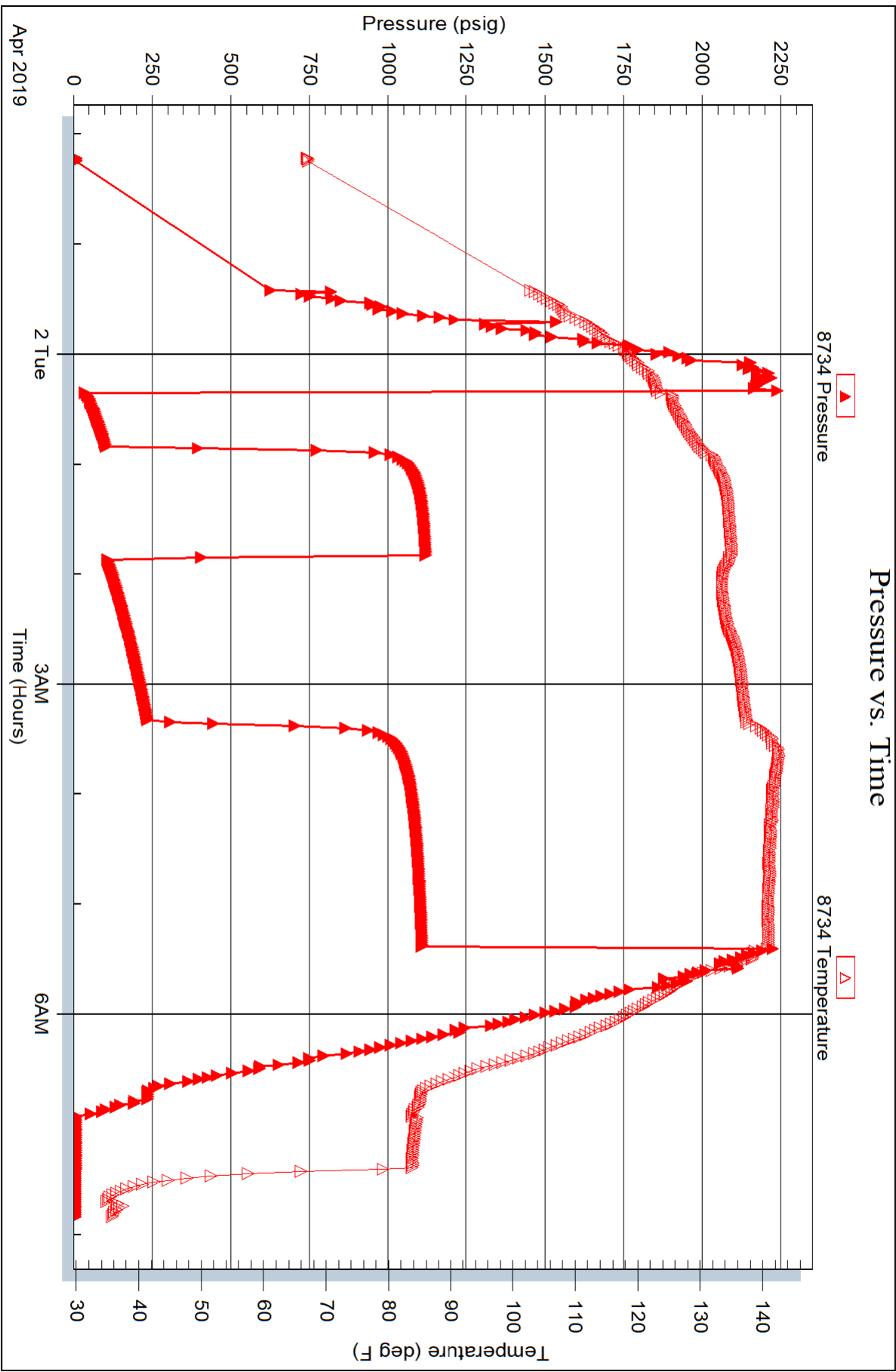
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil = 19.2@ 50 deg
Gravity corrected to 20.2 @ 60 deg
Rw = .365 @ 35.7 deg = 42000 PPM

Pressure vs. Time







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N bramble ood
 Wichita KS 67206
 ATTN: Bryan Bynog

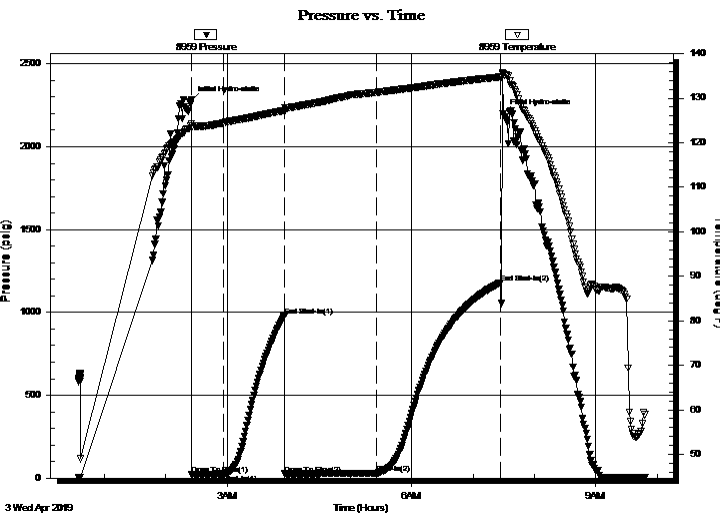
4-25-37W Cheyenne KS
McFee #2-4
 Job Ticket: 63277 **DST#: 3**
 Test Start: 2019.04.03 @ 00:35:00

GENERAL INFORMATION:

Formation: **LKC E**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 02:25:30 Tester: Martine Salinas/Shaw
 Time Test Ended: 09:47:49 Unit No: 82
 Interval: **4365.00 ft (KB) To 4420.00 ft (KB) (TVD)** Reference Elevations: 3262.00 ft (KB)
 Total Depth: 4420.00 ft (KB) (TVD) 3254.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8959 Inside
 Press@RunDepth: 28.24 psig @ 4366.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.04.03 End Date: 2019.04.03 Last Calib.: 2019.04.03
 Start Time: 00:35:01 End Time: 09:47:49 Time On Btm: 2019.04.03 @ 02:25:20
 Time Off Btm: 2019.04.03 @ 07:29:20

TEST COMMENT: 30-IS-Surface blow built to 1 1/8" @ 15 mins and maintained blow
 60-IS- No blow back
 90-FF-Surface blow @ 18 mins increased to 1/8" @ 30 mins dead @ 60mins
 120-FS-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2281.00	124.26	Initial Hydro-static
1	23.01	123.44	Open To Flow (1)
32	24.39	124.42	Shut-In(1)
91	976.26	127.24	End Shut-In(1)
91	25.78	126.88	Open To Flow (2)
181	28.24	131.27	Shut-In(2)
302	1179.22	134.73	End Shut-In(2)
304	2199.64	135.52	Final Hydro-static

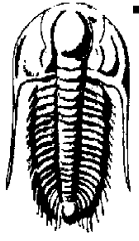
Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 2%O, 98%M	0.05

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N bramble wood
 Wichita KS 67206
 ATTN: Bryan Bynog

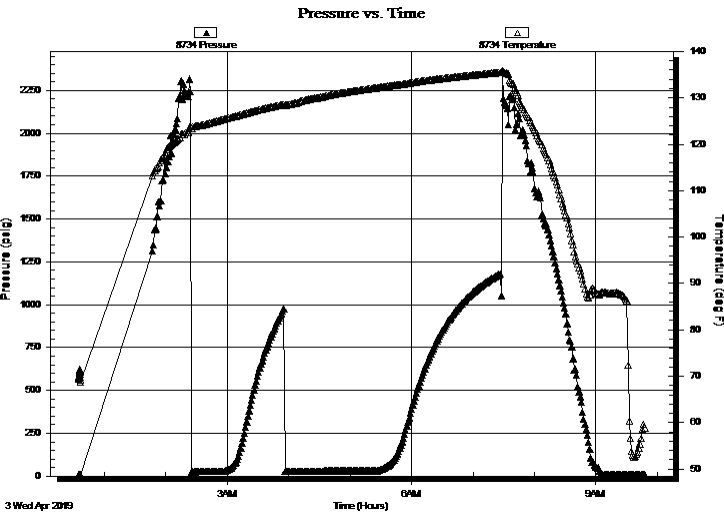
4-25-37W Cheyenne KS
McFee #2-4
 Job Ticket: 63277 **DST#: 3**
 Test Start: 2019.04.03 @ 00:35:00

GENERAL INFORMATION:

Formation:	LKC E	Test Type:	Conventional Bottom Hole (Reset)
Deviated:	No Whipstock:	ft (KB)	
Time Tool Opened:	02:25:30	Tester:	Martine Salinas/Shaw
Time Test Ended:	09:47:49	Unit No:	82
Interval:	4365.00 ft (KB) To 4420.00 ft (KB) (TVD)	Reference Elevations:	3262.00 ft (KB)
Total Depth:	4420.00 ft (KB) (TVD)		3254.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Fair
		KB to GR/CF:	8.00 ft

Serial #: 8734 Outside		Capacity:	8000.00 psig
Press@RunDepth:	psig @ 4366.00 ft (KB)	Last Calib.:	2019.04.03
Start Date:	2019.04.03	End Date:	2019.04.03
Start Time:	00:35:01	End Time:	09:48:00
		Time On Btm:	
		Time Off Btm:	

TEST COMMENT: 30-IF-Surface blow built to 1 1/8" @ 15 mins and maintained blow
 60-ISI- No blow back
 90-FF-Surface blow @ 18 mins increased to 1/8"@ 30 mins dead@60mins
 120-FSI-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 2%O, 98%M	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

4-25-37W

Cheyenne KS

2020 N bramblewood
Wichita KS 67206

McFee #2-4

Job Ticket: 63277

DST#: 3

ATTN: Bryan Bynog

Test Start: 2019.04.03 @ 00:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 2%O, 98%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Pulled 25k over string weight, pulled tight for 20 foot.

Serial #: 8959

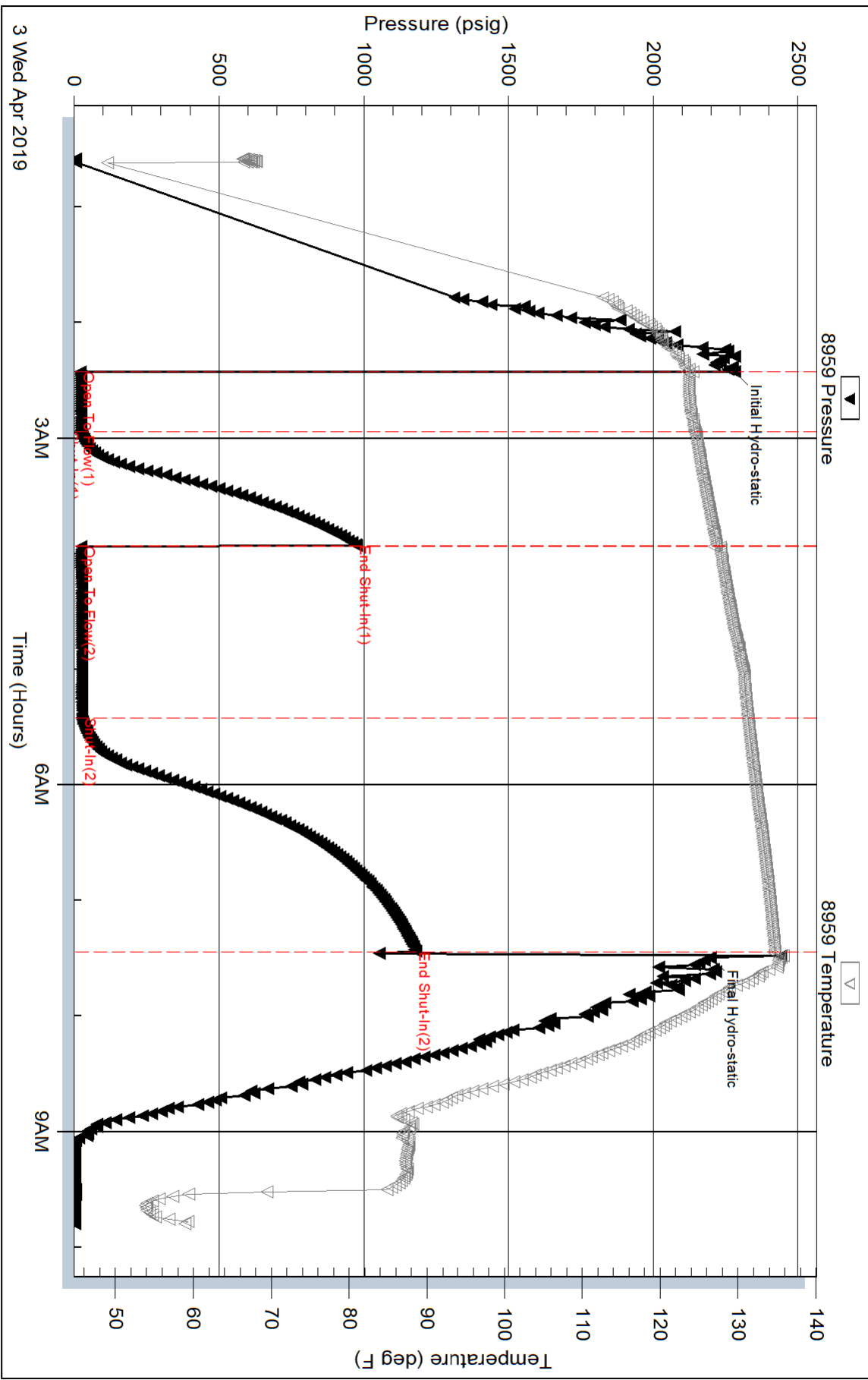
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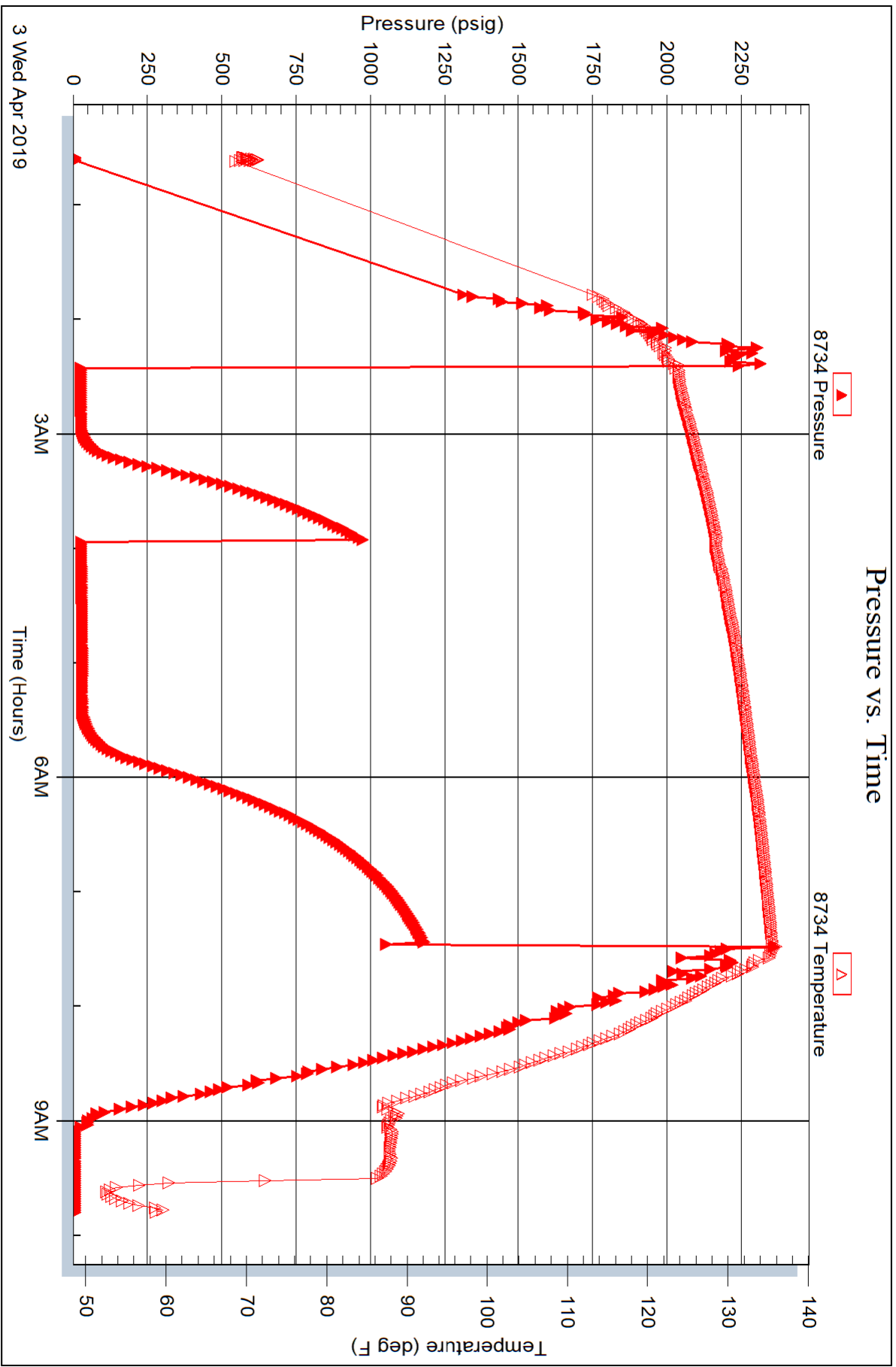
Berexco LLC

McFee #2-4

DST Test Number: 3

Pressure vs. Time







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N bramble ood
 Wichita KS 67206
 ATTN: Bryan Bynog

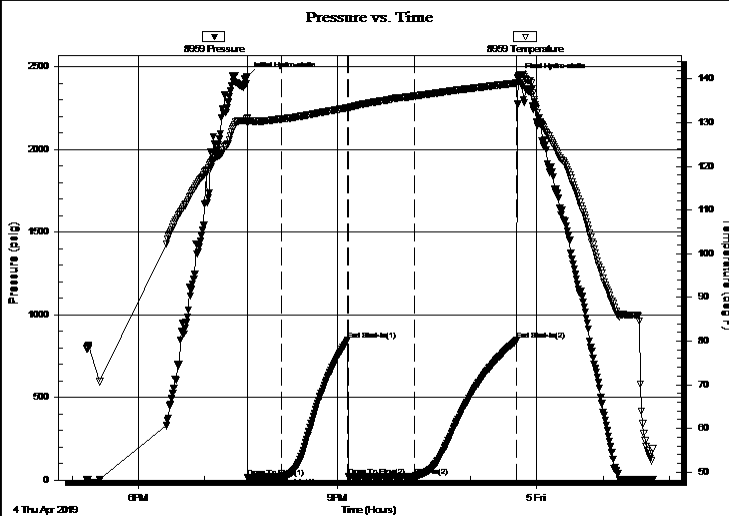
4-25-37W Cheyenne KS
McFee #2-4
 Job Ticket: 63278 **DST#: 4**
 Test Start: 2019.04.04 @ 17:13:00

GENERAL INFORMATION:

Formation: **Cherokee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:38:30
 Time Test Ended: 01:45:00
 Interval: **4650.00 ft (KB) To 4700.00 ft (KB) (TVD)**
 Total Depth: 4700.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas/Shaw
 Unit No: 82
 Reference Elevations: 3262.00 ft (KB)
 3254.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8959 Inside
 Press@RunDepth: 21.89 psig @ 4651.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.04.04 End Date: 2019.04.05 Last Calib.: 2019.04.05
 Start Time: 17:13:01 End Time: 01:45:00 Time On Btm: 2019.04.04 @ 19:38:20
 Time Off Btm: 2019.04.04 @ 23:43:39

TEST COMMENT: 30-IF-Surface blow built to 1/4" @ 10 mins then maintained blow
 60-ISI-No blow back
 60-FF-No blow
 90-FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2441.72	131.01	Initial Hydro-static
1	18.09	129.90	Open To Flow (1)
31	19.14	130.83	Shut-In(1)
91	848.30	133.44	End Shut-In(1)
92	20.46	133.27	Open To Flow (2)
152	21.89	136.08	Shut-In(2)
244	845.66	139.06	End Shut-In(2)
246	2438.01	140.59	Final Hydro-static

Recovery

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

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N bramble ood
 Wichita KS 67206
 ATTN: Bryan Bynog

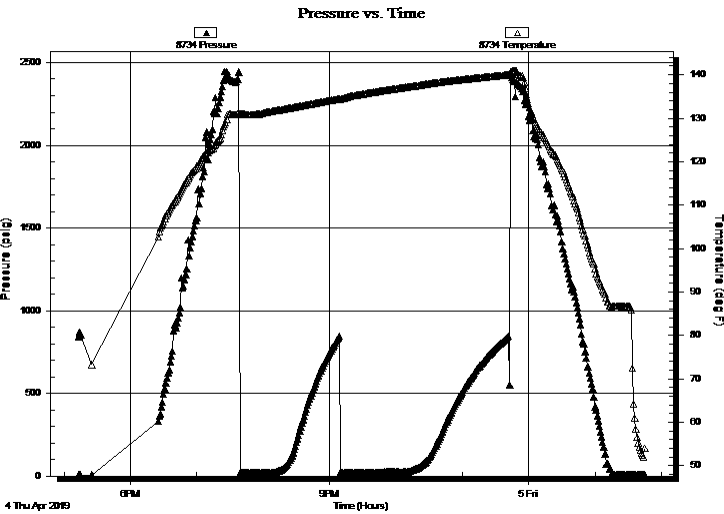
4-25-37W Cheyenne KS
McFee #2-4
 Job Ticket: 63278 **DST#: 4**
 Test Start: 2019.04.04 @ 17:13:00

GENERAL INFORMATION:

Formation: **Cherokee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:38:30
 Time Test Ended: 01:45:00
 Interval: **4650.00 ft (KB) To 4700.00 ft (KB) (TVD)**
 Total Depth: 4700.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas/Shaw
 Unit No: 82
 Reference Elevations: 3262.00 ft (KB)
 3254.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8734 Outside
 Press@RunDepth: psig @ 4651.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.04.04 End Date: 2019.04.05 Last Calib.: 2019.04.05
 Start Time: 17:13:01 End Time: 01:45:10 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF-Surface blow built to 1/4" @ 10 mins then maintained blow
 60-ISI-No blow back
 60-FF-No blow
 90-FSI-No blow



PRESSURE SUMMARY

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

Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

4-25-37W

Cheyenne KS

2020 N bramblewood
Wichita KS 67206

McFee #2-4

Job Ticket: 63278

DST#: 4

ATTN: Bryan Bynog

Test Start: 2019.04.04 @ 17:13:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

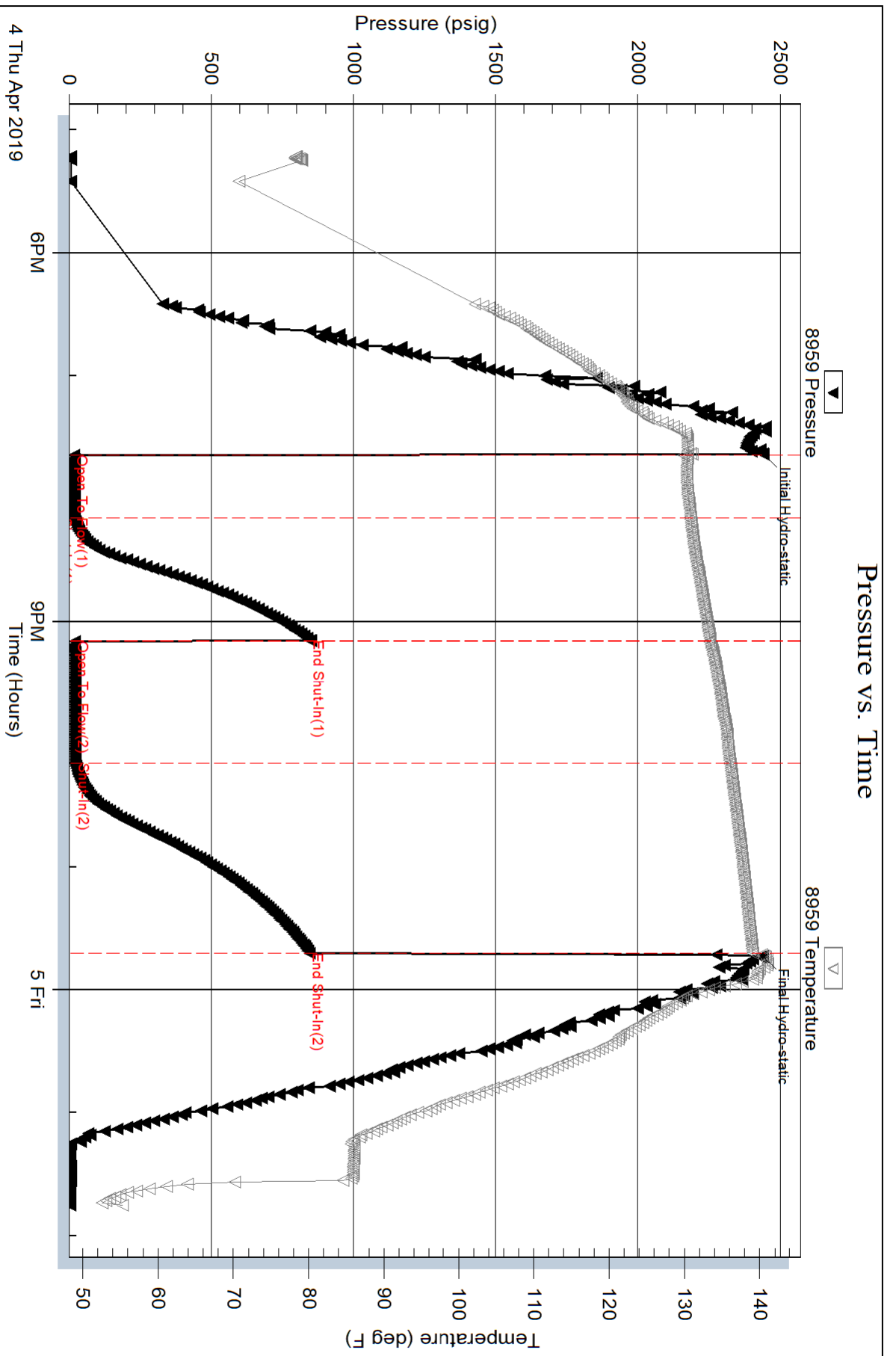
Num Gas Bombs: 0

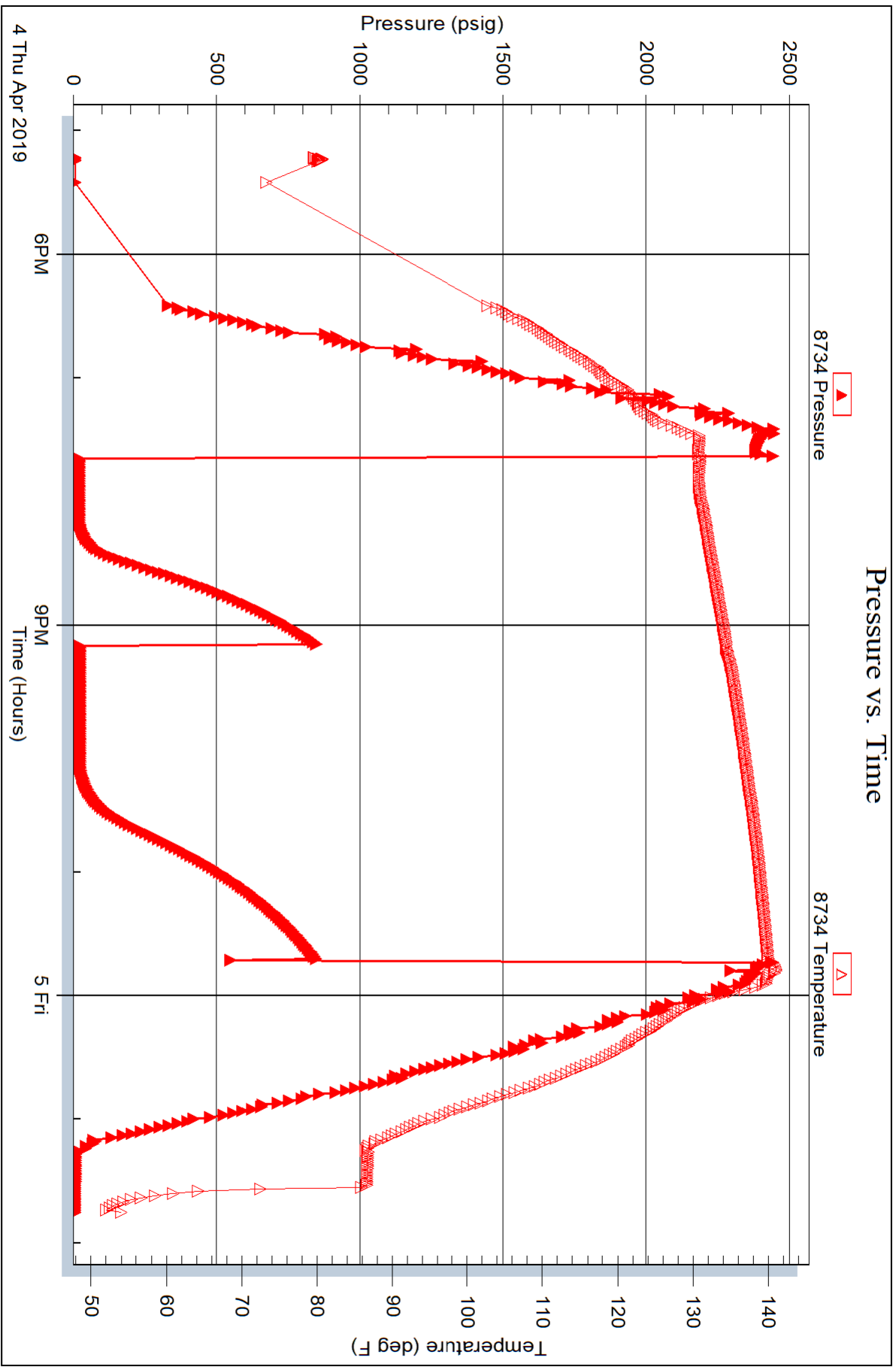
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Mc FEE #2-4
Well Id:
Location: E2W2 SECTION 4 2S-37 CHEYENNE COUNTY, KANSAS
License Number: 15-023-21506
Spud Date: 3-25-2019
Surface Coordinates: 2640' FNL & 1980' FWL
Region: Midcontinent
Drilling Completed: 4-5-2019

Bottom Hole
Coordinates:
Ground Elevation (ft): 3254
Logged Interval (ft): 3600
Formation: LKC, PAWNEE, FORT SCOTT, & CHEROKEE
Type of Drilling Fluid: WBM
K.B. Elevation (ft): 3262
To: 4770
Total Depth (ft): 4770

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

OPERATOR

Company: BEREXCO, LLC.
Address: 2020 N. Bramblewood
Wichita, Kansas 67206

GEOLOGIST

Name: William B. Bynog
Company:
Address: P.O.Box 687
Pinecliffe, Co. 80471

Survey's

DEPTH	ANGLE
3600	.75

DSTs

DST#1 4215-4300, DST#2 4275-4340, DST#4 4650-4700

Comments

DRY HOLE

LOGGERS TD 2' DEEPER 4772' THAN RIG TD 4770'

ROCK TYPES

 Anhy	 Coal	 Lmst	 Shcol
 Bent	 Congl	 Meta	 Shgy
 Brec	 Dol	 Mrlst	 Slstst
 Cht	 Gyp	 Salt	 Ss
 Clyst	 Igne	 Shale	 Till

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- 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
- Arg
- Bent
- Coal
- Dol

- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

TEXTURE

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

OTHER SYMBOLS

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang

- Angular

OIL SHOW

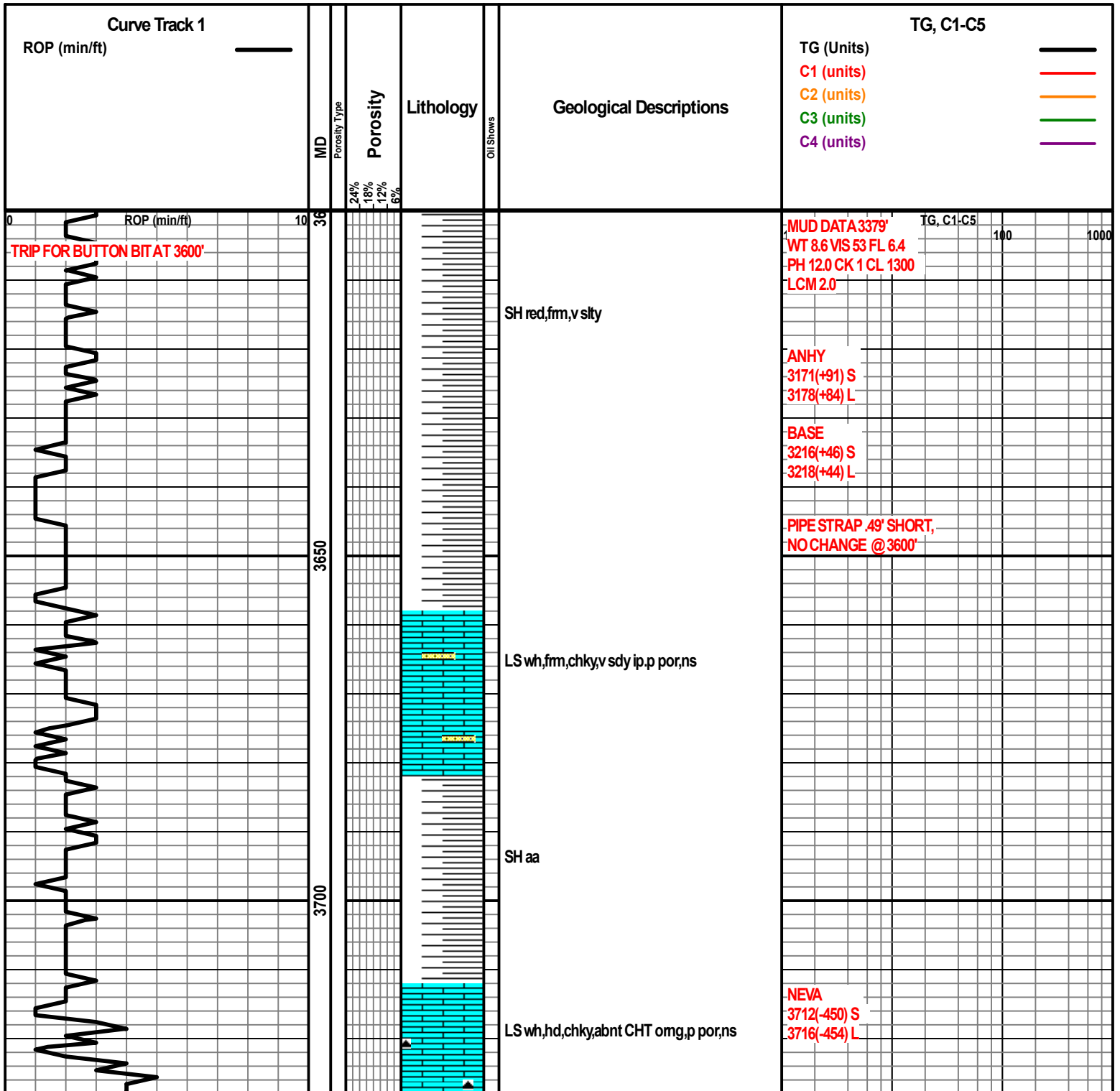
- Even
- Spotted
- Ques
- Dead

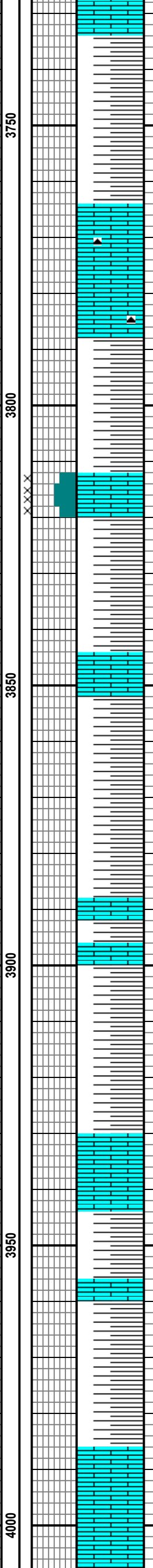
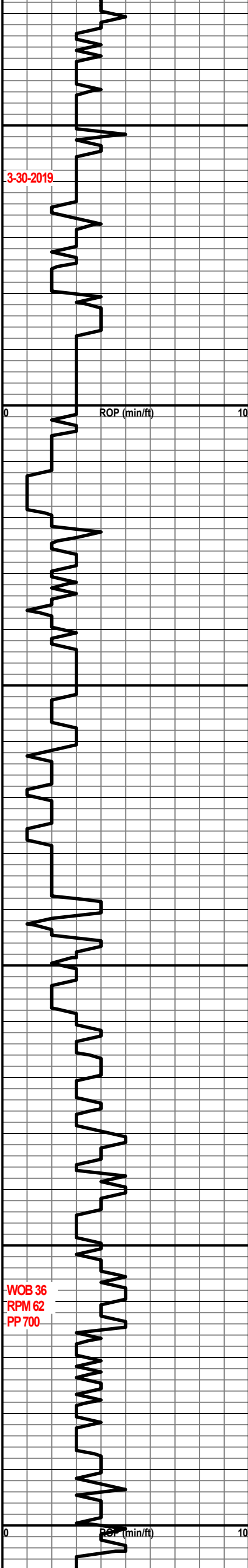
INTERVAL

- Dst
- Dst

EVENT

- Rft
- Sidewall





SH red, fm, sty

LS pale gysl hd, sdy ip, p por, abnt CHT img

SH gn, red, fm, arg

LS cm, fm, foss, chky ip, fr intg foss por, ns

SH red, gn, sft, v arg

LS pale gy, fm, v arg, dirty, p por, ns

SH red, sft, v arg

LS pale gy, fm, dirty, arg, p por, ns with thin SH aa

SH aa

LS cm, hd, dns, blk, ppor, ns

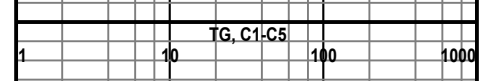
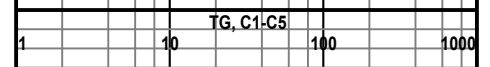
SH red, v sft, v arg with thin LS aa

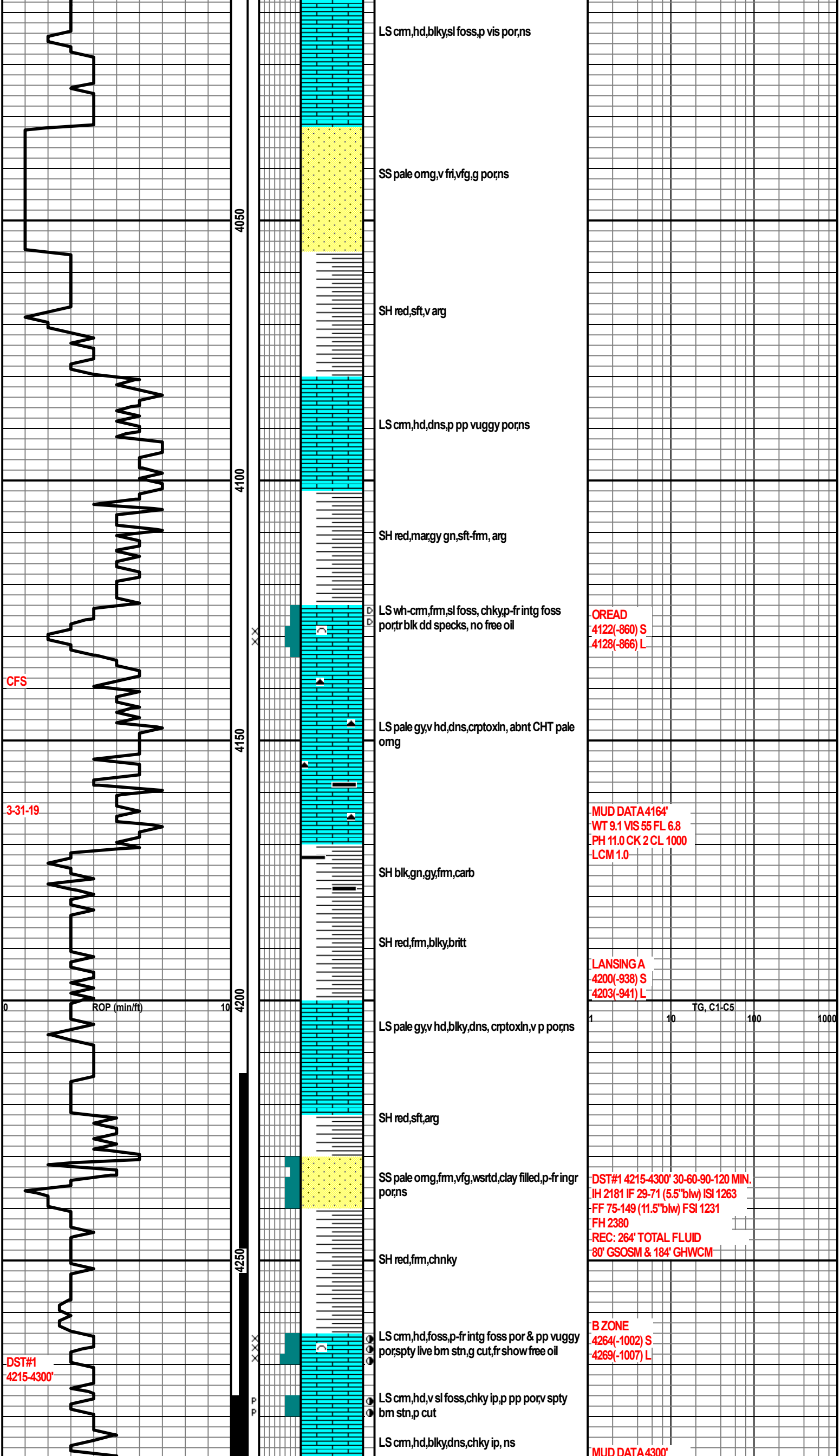
LS wh, fm, v chky, foss ip, p vis por, ns

FORAKER
3764(-502) S
3766(-504) L

MUD DATA 3848'
WT 8.8 VIS 69 FL 6.4
PH 11.5 CK 2 CL 1000
LCM 2.0

TOPEKA
3986(-724) S
3982(-720) L





LS cm,hd,blk,sl foss,p vis por,ns

SS pale omg,v fri,vfg,g por,ns

SH red,sft,v arg

LS cm,hd,dns,p pp vuggy por,ns

SH red,margy gn,sft-fm, arg

LS wh-cm,frm,sl foss, chky,p-fr intg foss por,blk dd specks, no free oil

OREAD
4122(-860) S
4128(-866) L

LS pale gyv hd,dns,cryptoxin, abnt CHT pale omg

MUD DATA 4164'
WT 9.1 VIS 55 FL 6.8
PH 11.0 CK 2 CL 1000
LCM 1.0

SH blk,gn,gy,frm,carb

SH red,frm,blk,britt

LANSINGA
4200(-938) S
4203(-941) L

LS pale gyv hd,blk,dns, cryptoxin, v p por,ns

TG, C1-C5
1 10 100 1000

SH red,sft,arg

SS pale omg,frm,vfg,wsrtd,clay filled,p-fr ingr por,ns

DST#1 4215-4300' 30-60-90-120 MIN.
IH 2181 IF 29-71 (5.5"blw) ISI 1263
FF 75-149 (11.5"blw) FSI 1231
FH 2380
REC: 264' TOTAL FLUID
80' GSOSM & 184' GHWCM

SH red,frm,chnky

LS cm,hd,foss,p-fr intg foss por & pp vuggy por,spty live bm stn,g cut,fr show free oil

B ZONE
4264(-1002) S
4269(-1007) L

LS cm,hd,v sl foss,chky ip,pp por,v spty bm stn,p cut

LS cm,hd,blk,dns,chky ip, ns

MUD DATA 4300'

CFS

3-31-19

DST#1
4215-4300'

ROP (min/ft)

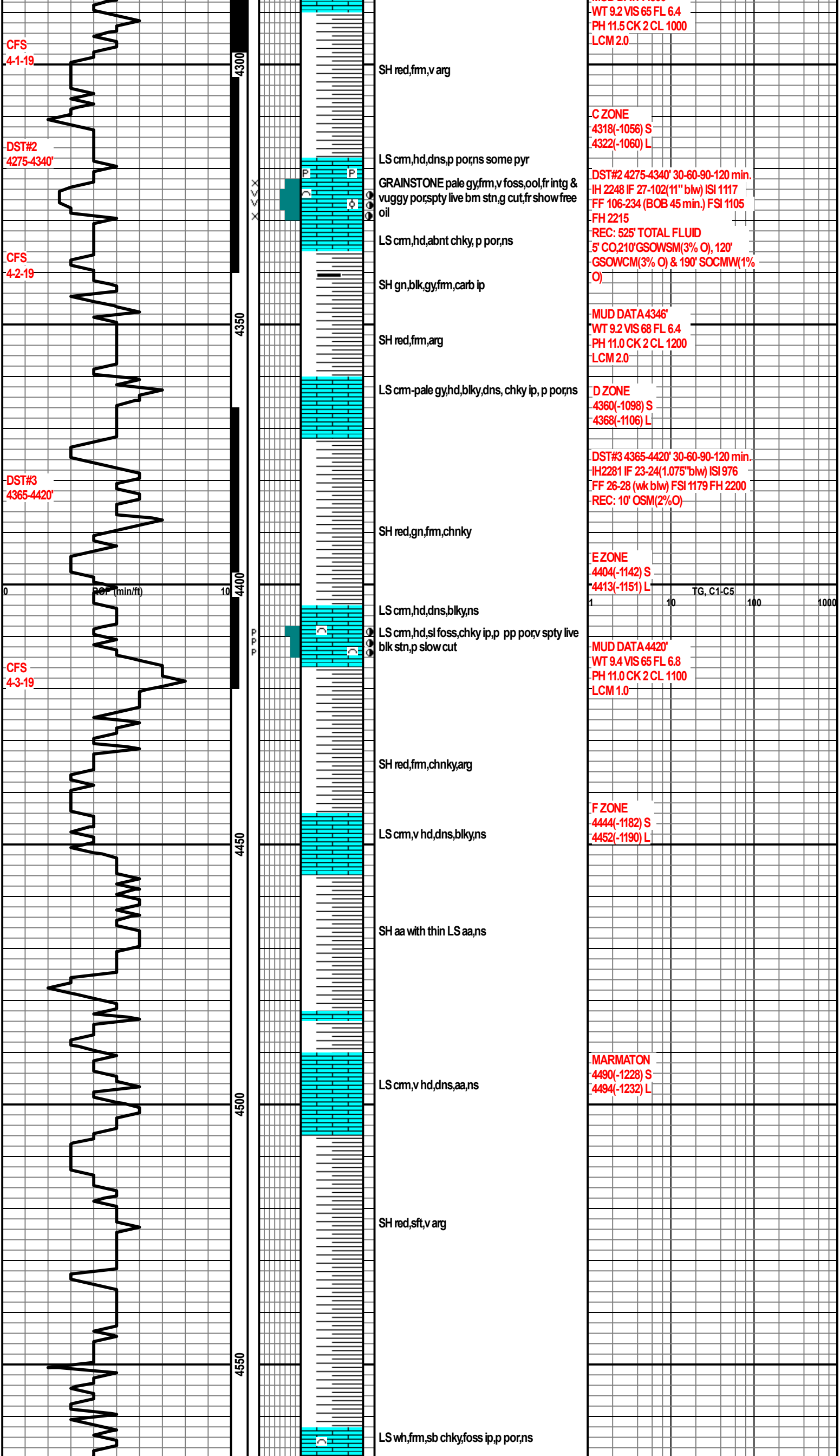
4050

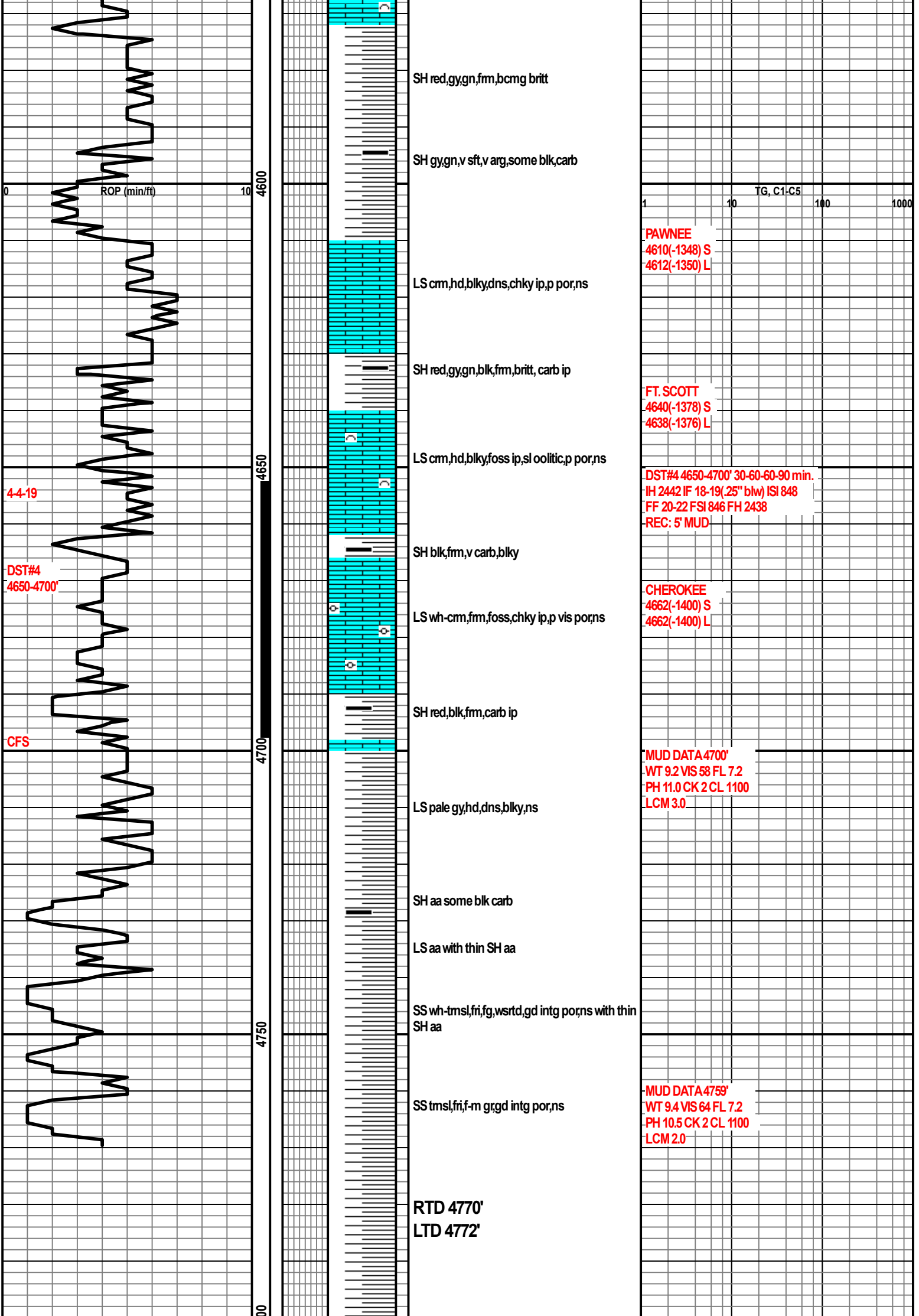
4100

4150

4200

4250





0 10

4600

4-4-19

DST#4
4650-4700'

CFS

4650

4700

4750

00

SH red,gy,gn,frm,bcmg britt

SH gy,gn,v sft,v arg,some blk,carb

LS cm,hd,blky,dns,chky ip,p por,ns

SH red,gy,gn,blk,frm,britt, carb ip

LS cm,hd,blky,foss ip,sl oolitic,p por,ns

SH blk,frm,v carb,blky

LS wh-cm,frm,foss,chky ip,p vis por,ns

SH red,blk,frm,carb ip

LS pale gy,hd,dns,blky,ns

SH aa some blk carb

LS aa with thin SH aa

SS wh-tmsl,fr,fg,wsrtd,gd intg por,ns with thin SH aa

SS tmsl,fr,f-m grgd intg por,ns

RTD 4770'
LTD 4772'

1 10 100 1000 TG, C1-C5

PAWNEE
4610(-1348) S
4612(-1350) L

FT. SCOTT
4640(-1378) S
4638(-1376) L

DST#4 4650-4700' 30-60-60-90 min.
IH 2442 IF 18-19(.25" blw) ISI 848
FF 20-22 FSI 846 FH 2438
REC: 5' MUD

CHEROKEE
4662(-1400) S
4662(-1400) L

MUD DATA 4700'
WT 9.2 VIS 58 FL 7.2
PH 11.0 CK 2 CL 1100
LCM 3.0

MUD DATA 4759'
WT 9.4 VIS 64 FL 7.2
PH 10.5 CK 2 CL 1100
LCM 2.0