

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)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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W.F. FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 1227
 LOCATION Hayes
 FOREMAN Jack

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-1-24	34318	Lyge#03 #1	2	12	34	Logan
CUSTOMER Berecra LLC			TRUCK #			
MAILING ADDRESS 2020 N Bramblewood			DRIVER			
CITY Wichita			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 67206			TRUCK #			
			DRIVER			

JOB TYPE Surface HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT 2 3/4" 8.5 lb/ft
 CASING DEPTH 407' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 24.93 DISPLACEMENT PSI 375 PSI MIX PSI _____ RATE _____

REMARKS: Safety meeting & set up on Southridge. Circulated mud then hooked up. Mixed cement, displaced, slit in. Circulated cement to pit. Thank you.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PR002	1	PUMP CHARGE <u>Surface</u>	\$1150.00	\$1150.00
TRAV	60	MILEAGE	\$6.50	\$390.00
M002	17.26 hrs	Tax mileage delivery	\$1553.40	\$1553.40
CR004	350 gal	Class A 3/8" cc 2 1/2" gel	\$25.50	\$8,925.00
			sub total	\$12,018.40
			less 5% disc.	\$11,017.92
			sub total	\$11,417.48
			SALES TAX	678.30
			ESTIMATED TOTAL	12095.78

AUTHORIZATION Doug Roberts TITLE _____ DATE _____

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.

FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 1235
 LOCATION Hoxie
 FOREMAN Jack

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-23-28	34313	<u>Hygeos #1</u>	2	12	34	Logan
CUSTOMER <u>Borexco LLC</u>			TRUCK #			
MAILING ADDRESS <u>2020 N. Bramblewood</u>			DRIVER			
CITY <u>Wichita</u>		STATE <u>KS</u>	TRUCK #		DRIVER	
ZIP CODE <u>67206</u>		TRUCK #		DRIVER		

JOB TYPE PTA HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.4 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & sat up on Saturday. Plugged as ordered.

1) 2700' SD SK
 2) 1500' 100 SK
 3) 450' SD SK
 4) 40' 10" plus wiper plug RH 30" MA 15 SK

Thank you

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PLDGS	1	PUMP CHARGE <u>PTA</u>	\$1500 ⁰⁰	\$1500 ⁰⁰
MDD1	59	MILEAGE	\$65 ⁰⁰	\$383 ⁵⁰
MDD2	1134 tons	tonnage delivered	\$1003 ⁵⁹	\$1136 ⁵⁹
CRD10	255 SK	60/40 18 gal 1/2" flowcal	\$17 ³⁵	\$4424 ²⁵
FEOS5	1	8 7/8" warden plug	\$1165 ⁰⁰	\$1165 ⁰⁰
			sub total	\$7,476 ³⁴
			less 5% disc.	\$373 ⁸¹
			sub total	\$7,102 ⁵³
			SALES TAX	348.78
			ESTIMATED TOTAL	7451.31

AUTHORIZATION _____ TITLE _____ DATE _____

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+1094
ATTN: Keaton Jones

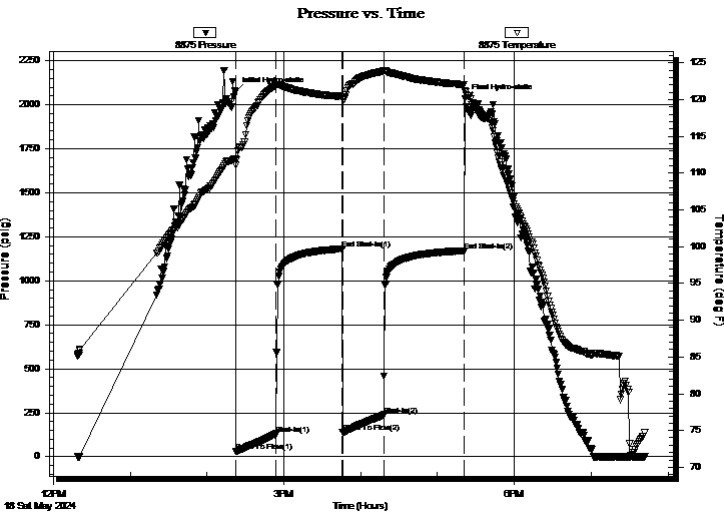
2-12S-34W Logan KS
Lygeros #1
Job Ticket: 71904 **DST#: 1**
Test Start: 2024.05.18 @ 12:19:00

GENERAL INFORMATION:

Formation: **LKC B-C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:22:37
Time Test Ended: 19:42:07
Interval: **4148.00 ft (KB) To 4185.00 ft (KB) (TVD)**
Total Depth: 4185.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 3213.00 ft (KB)
3203.00 ft (CF)
KB to GR/CF: 10.00 ft
Test Type: Conventional Bottom Hole (Initial)
Tester: Spencer J Staab
Unit No: 75

Serial #: 8875 Outside
Press@RunDepth: 238.30 psig @ 4149.00 ft (KB) Capacity: psig
Start Date: 2024.05.18 End Date: 2024.05.18 Last Calib.: 2024.05.18
Start Time: 12:19:01 End Time: 19:42:07 Time On Btm: 2024.05.18 @ 14:22:32
Time Off Btm: 2024.05.18 @ 17:21:47

TEST COMMENT: 30-IF-Blow Hose Plugged Checked for Leaks before finding plugged section
45-ISI-No Return
30-FF-Surface Blow to 9"
60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2075.96	111.99	Initial Hydro-static
1	32.77	111.06	Open To Flow (1)
32	130.05	121.93	Shut-In(1)
84	1180.15	120.38	End Shut-In(1)
84	138.81	120.16	Open To Flow (2)
116	238.30	123.92	Shut-In(2)
179	1171.13	122.03	End Shut-In(2)
180	2035.89	121.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	MCW 10%M 90%W	4.25
200.00	MW 40%M 60%W	2.84

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
2020 N Bramblewood
Wichita KS 67206+1094
ATTN: Keaton Jones

2-12S-34W Logan KS

Lygeros #1

Job Ticket: 71904

DST#: 1

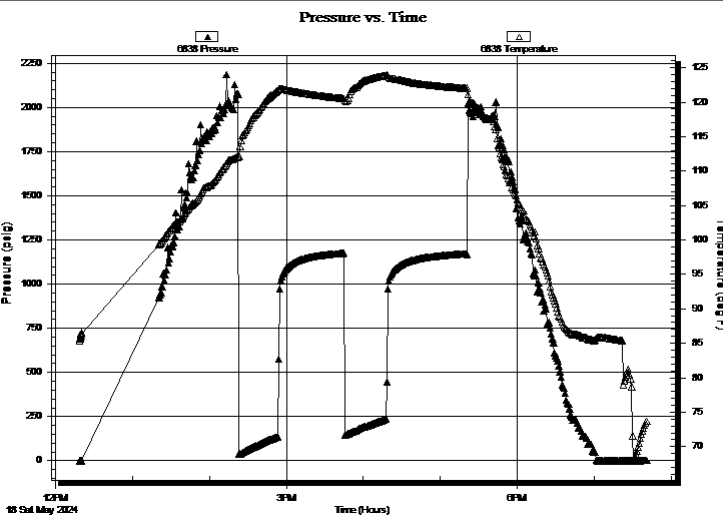
Test Start: 2024.05.18 @ 12:19:00

GENERAL INFORMATION:

Formation: **LKC B-C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:22:37
Time Test Ended: 19:42:07
Interval: **4148.00 ft (KB) To 4185.00 ft (KB) (TVD)**
Total Depth: 4185.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Spencer J Staab
Unit No: 75
Reference Elevations: 3213.00 ft (KB)
3203.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6838 Inside
Press@RunDepth: psig @ 4149.00 ft (KB)
Start Date: 2024.05.18 End Date: 2024.05.18
Start Time: 12:19:01 End Time: 19:41:27
Capacity: psig
Last Calib.: 2024.05.18
Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-Blow Hose Plugged Checked for Leaks before finding plugged section
45-ISI-No Return
30-FF-Surface Blow to 9"
60-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
300.00	MCW 10%M 90%W	4.25
200.00	MW 40%M 60%W	2.84

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

2-12S-34W Logan KS

2020 N Bramblewood
Wichita KS 67206+1094

Lygeros #1

Job Ticket: 71904

DST#: 1

ATTN: Keaton Jones

Test Start: 2024.05.18 @ 12:19:00

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:

51000 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
300.00	MCW 10%M 90%W	4.253
200.00	MW 40%M 60%W	2.835

Total Length: 500.00 ft Total Volume: 7.088 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

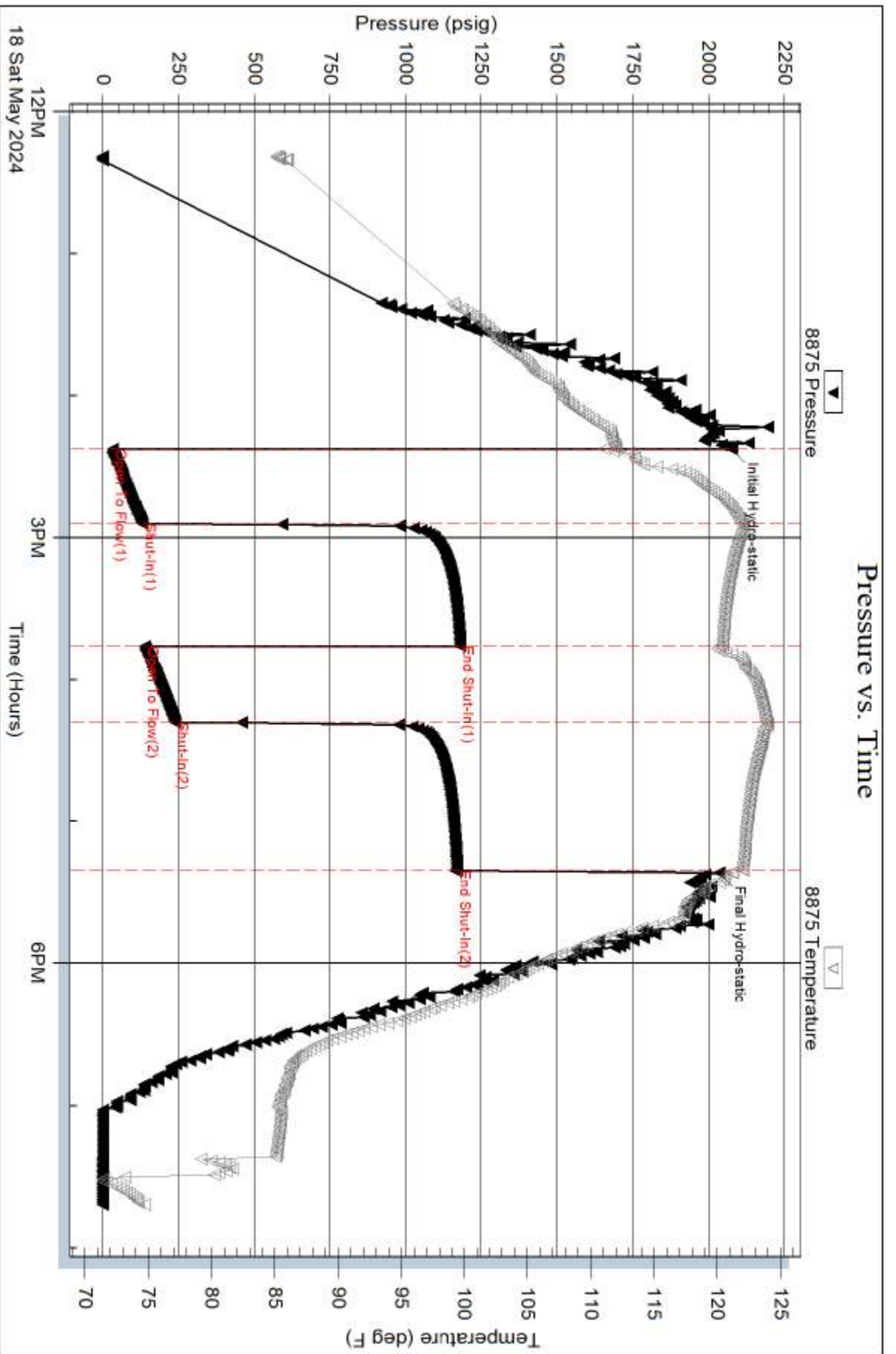
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3#LCM

RW=.152@70F



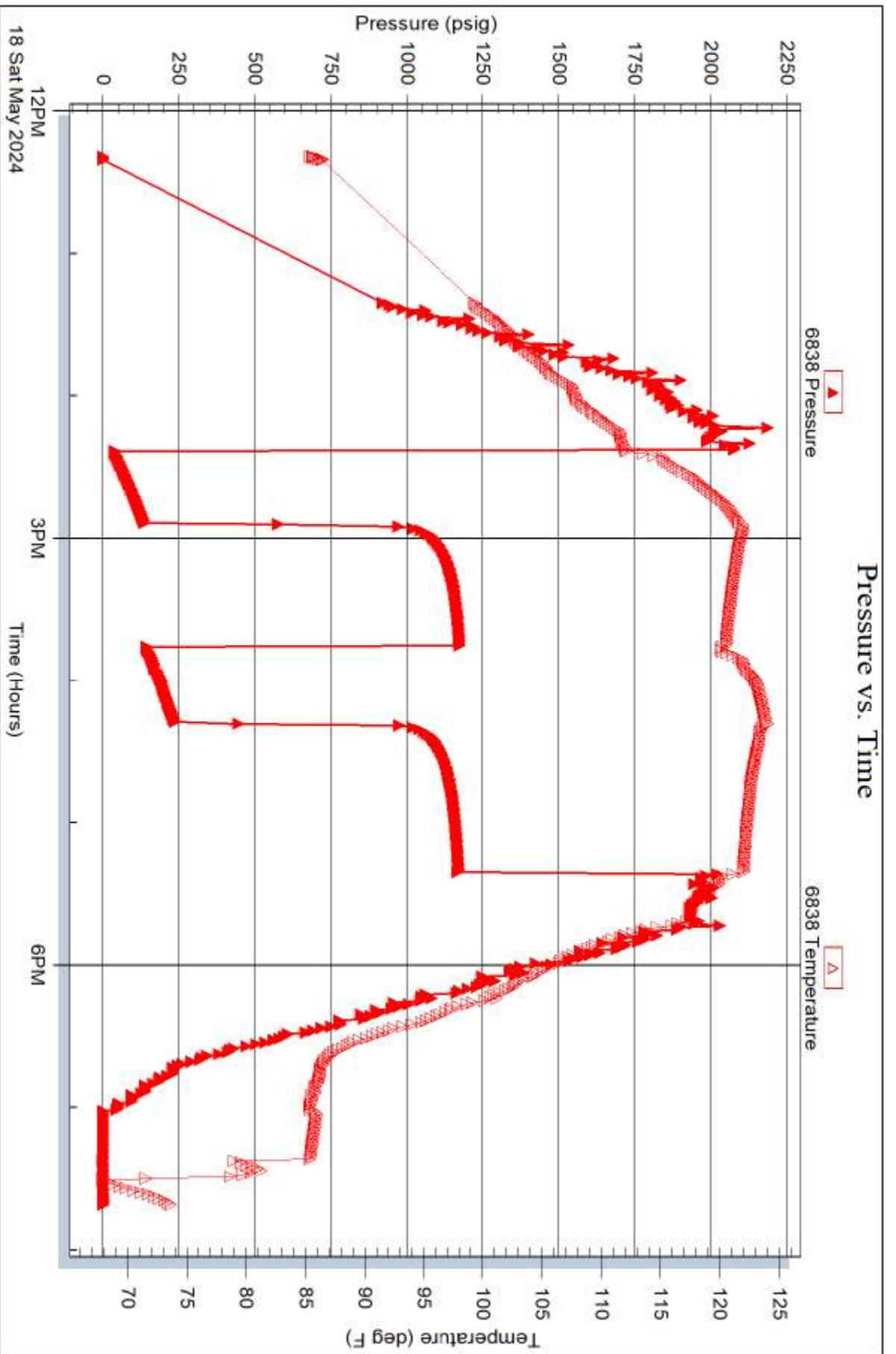
Serial #: 6838

Inside

Berexco LLC

Lygeros #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 71904

Printed: 2024.05.18 @ 23:58:51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N Bramblewood
 Wichita KS 67206+1094
 ATTN: Keaton Jones

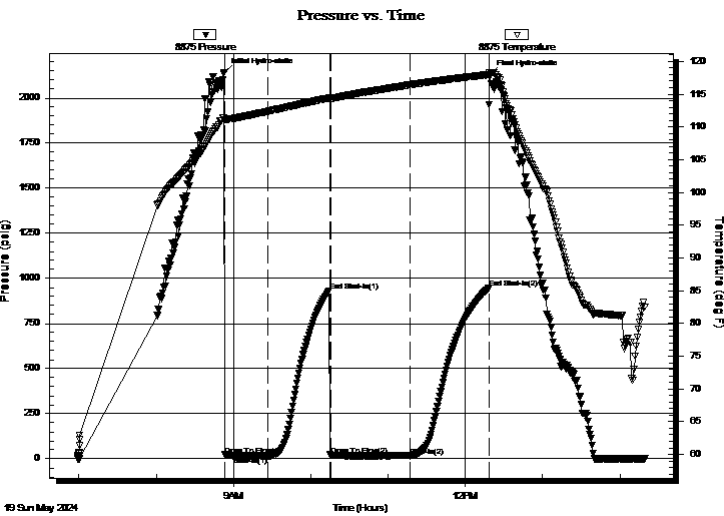
2-12S-34W Logan KS
Lygeros #1
 Job Ticket: 71905 **DST#: 2**
 Test Start: 2024.05.19 @ 06:59:00

GENERAL INFORMATION:

Formation: **LKC H**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:53:17
 Time Test Ended: 14:19:26
 Interval: **4270.00 ft (KB) To 4300.00 ft (KB) (TVD)**
 Total Depth: 4300.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 75
 Reference Elevations: 3213.00 ft (KB)
 3203.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8875 Outside
 Press@RunDepth: 15.92 psig @ 4271.00 ft (KB) Capacity: psig
 Start Date: 2024.05.19 End Date: 2024.05.19 Last Calib.: 2024.05.19
 Start Time: 06:59:01 End Time: 14:19:27 Time On Btm: 2024.05.19 @ 08:52:47
 Time Off Btm: 2024.05.19 @ 12:18:47

TEST COMMENT: 30-IF-Surface to 0.5" Died back to surface blow
 45-ISI-No Return
 60-FF-No Blow
 60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2142.19	111.36	Initial Hydro-static
1	21.82	111.06	Open To Flow (1)
35	15.99	112.39	Shut-In(1)
82	930.64	114.38	End Shut-In(1)
83	19.96	114.29	Open To Flow (2)
145	15.92	116.43	Shut-In(2)
206	945.42	118.02	End Shut-In(2)
206	2130.47	118.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%M	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 Bramblewood
Wichita KS 67206+1094
ATTN: Keaton Jones

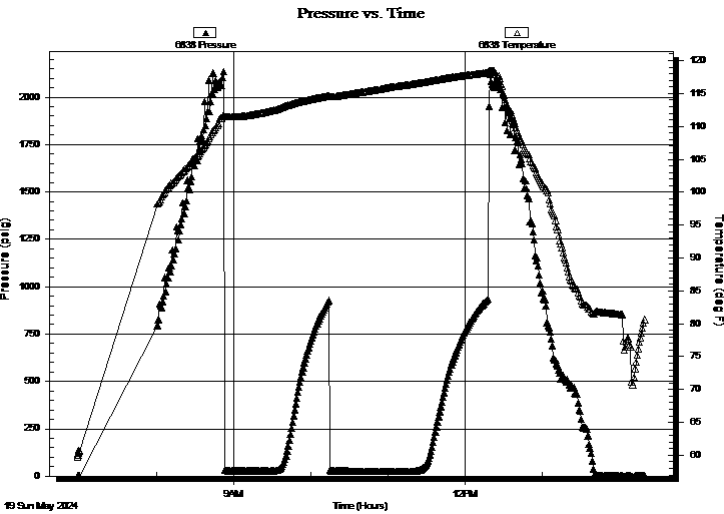
2-12S-34W Logan KS
Lygeros #1
Job Ticket: 71905 **DST#: 2**
Test Start: 2024.05.19 @ 06:59:00

GENERAL INFORMATION:

Formation: **LKC H**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:53:17
Time Test Ended: 14:19:26
Interval: **4270.00 ft (KB) To 4300.00 ft (KB) (TVD)**
Total Depth: 4300.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 75
Reference Elevations: 3213.00 ft (KB)
3203.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6838 **Inside**
Press@RunDepth: psig @ 4271.00 ft (KB) Capacity: psig
Start Date: 2024.05.19 End Date: 2024.05.19 Last Calib.: 2024.05.19
Start Time: 06:59:01 End Time: 14:19:27 Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-Surface to 0.5" Died back to surface blow
45-ISI-No Return
60-FF-No Blow
60-FSI-No Return



PRESSURE SUMMARY

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

Recovery

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

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

2-12S-34W Logan KS

2020 N Bramblewood
Wichita KS 67206+1094

Lygeros #1

Job Ticket: 71905

DST#: 2

ATTN: Keaton Jones

Test Start: 2024.05.19 @ 06:59:00

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: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%M	0.071

Total Length: 5.00 ft Total Volume: 0.071 bbl

Num Fluid Samples: 0

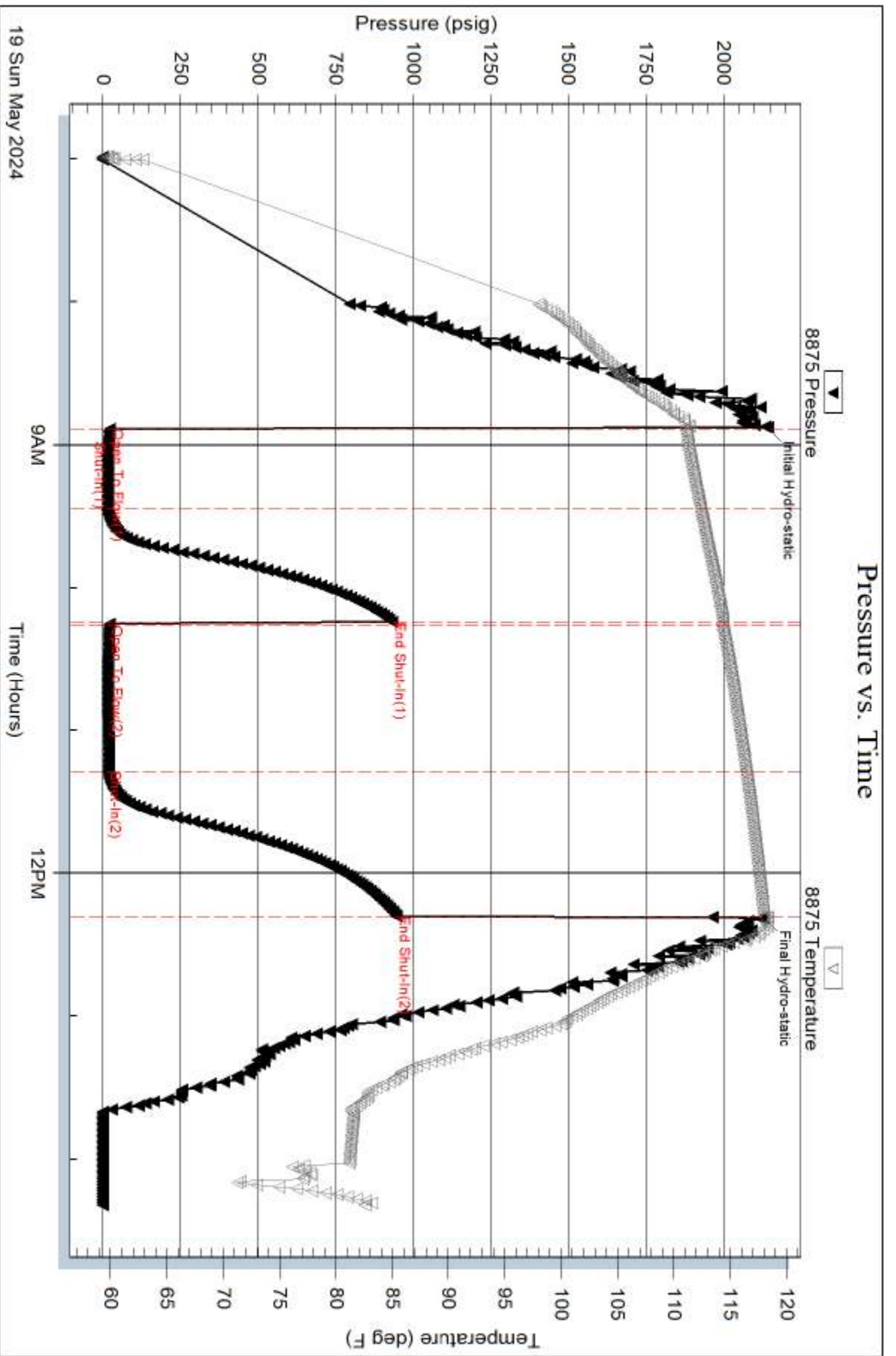
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM



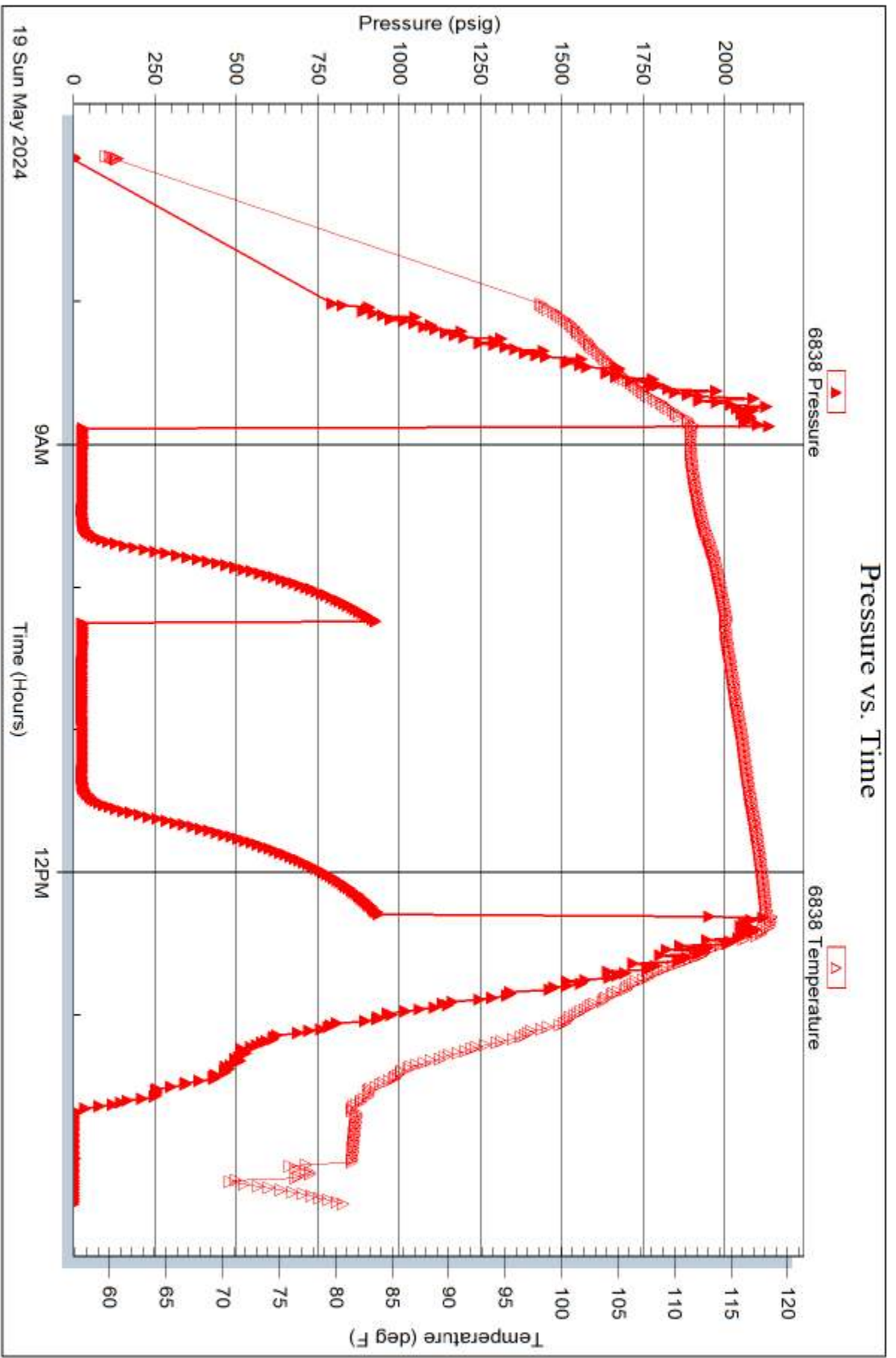
Serial #: 6838

Inside

Berexco LLC

Lygeros #1

DST Test Number: 2





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC
2020 N Bramblewood
Wichita KS 67206+1094
ATTN: Keaton Jones

2-12S-34W Logan KS

Lygeros #1

Job Ticket: 71906

DST#: 3

Test Start: 2024.05.19 @ 22:35:00

GENERAL INFORMATION:

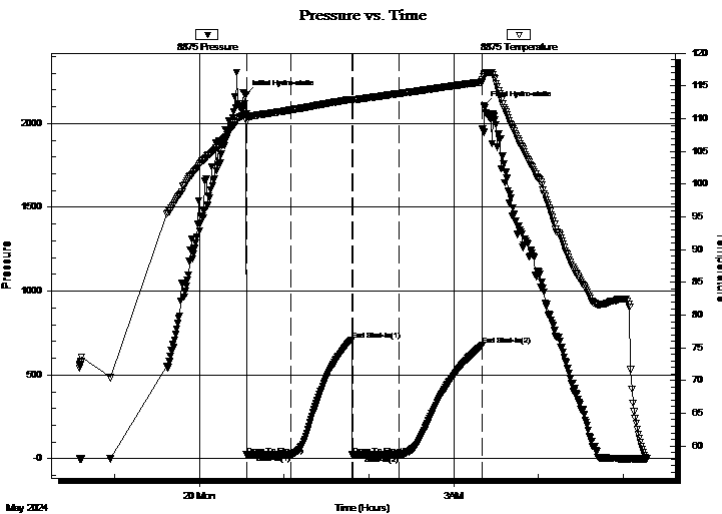
Formation: **LKC I-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:33:07
 Time Test Ended: 05:16:47
 Interval: **4304.00 ft (KB) To 4360.00 ft (KB) (TVD)**
 Total Depth: 4360.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 75
 Reference Elevations: 3213.00 ft (KB)
 3203.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8875

Inside

Press@RunDepth: 23.50 psig @ 4309.00 ft (KB) Capacity: psig
 Start Date: 2024.05.19 End Date: 2024.05.20 Last Calib.: 2024.05.20
 Start Time: 22:35:01 End Time: 05:16:47 Time On Btm: 2024.05.20 @ 00:33:02
 Time Off Btm: 2024.05.20 @ 03:21:32

TEST COMMENT: 30-IF-Surface to 0.25" Died @ 25 mins
 45-ISI-No Return
 30-FF-No Blow
 60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2173.29	110.73	Initial Hydro-static
1	23.95	109.64	Open To Flow (1)
32	23.86	111.34	Shut-In(1)
75	709.51	112.96	End Shut-In(1)
76	23.97	112.89	Open To Flow (2)
109	23.50	113.85	Shut-In(2)
168	676.41	115.62	End Shut-In(2)
169	2103.91	116.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100%M	0.14

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 Bramblewood
Wichita KS 67206+1094
ATTN: Keaton Jones

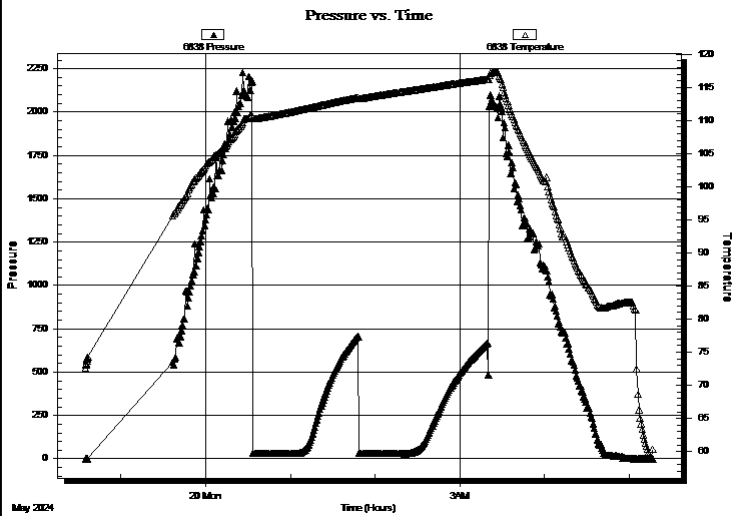
2-12S-34W Logan KS
Lygeros #1
Job Ticket: 71906 **DST#: 3**
Test Start: 2024.05.19 @ 22:35:00

GENERAL INFORMATION:

Formation:	LKC I-J				
Deviated:	No Whipstock:	ft (KB)	Test Type:	Conventional Bottom Hole (Reset)	
Time Tool Opened:	00:33:07		Tester:	Spencer J Staab	
Time Test Ended:	05:16:47		Unit No:	75	
Interval:	4304.00 ft (KB) To 4360.00 ft (KB) (TVD)		Reference Elevations:	3213.00 ft (KB)	
Total Depth:	4360.00 ft (KB) (TVD)			3203.00 ft (CF)	
Hole Diameter:	7.88 inches	Hole Condition: Fair	KB to GR/CF:	10.00 ft	

Serial #: 6838	Inside				
Press@RunDepth:	psig @	4309.00 ft (KB)	Capacity:	psig	
Start Date:	2024.05.19	End Date:	2024.05.20	Last Calib.:	2024.05.20
Start Time:	22:35:01	End Time:	05:16:47	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 30-IF-Surface to 0.25" Died @ 25 mins
45-ISI-No Return
30-FF-No Blow
60-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100%M	0.14

* 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

2-12S-34W Logan KS

2020 N Bramblewood
Wichita KS 67206+1094

Lygeros #1

Job Ticket: 71906

DST#: 3

ATTN: Keaton Jones

Test Start: 2024.05.19 @ 22:35:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100%M	0.142

Total Length: 10.00 ft Total Volume: 0.142 bbl

Num Fluid Samples: 0

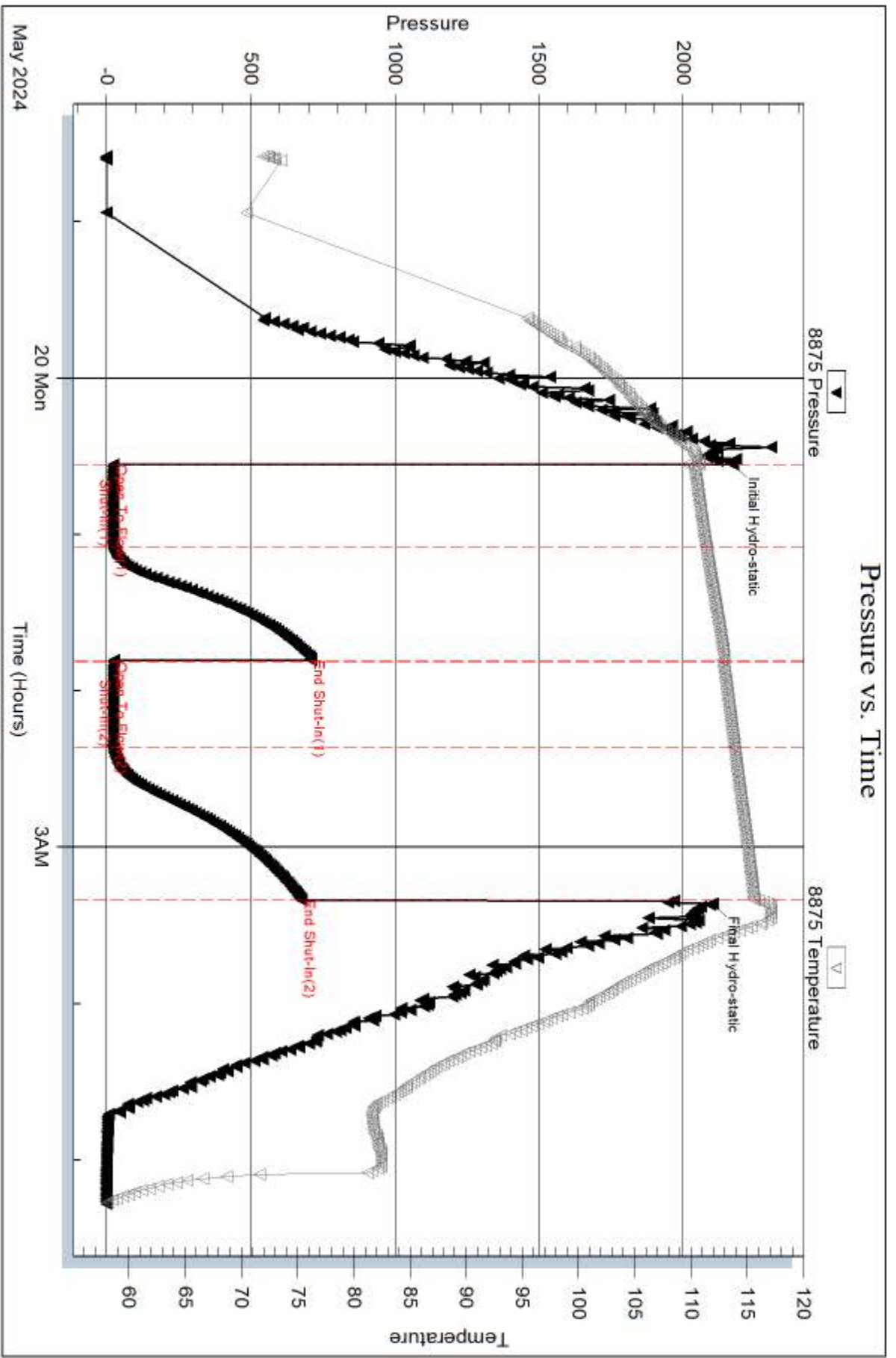
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM



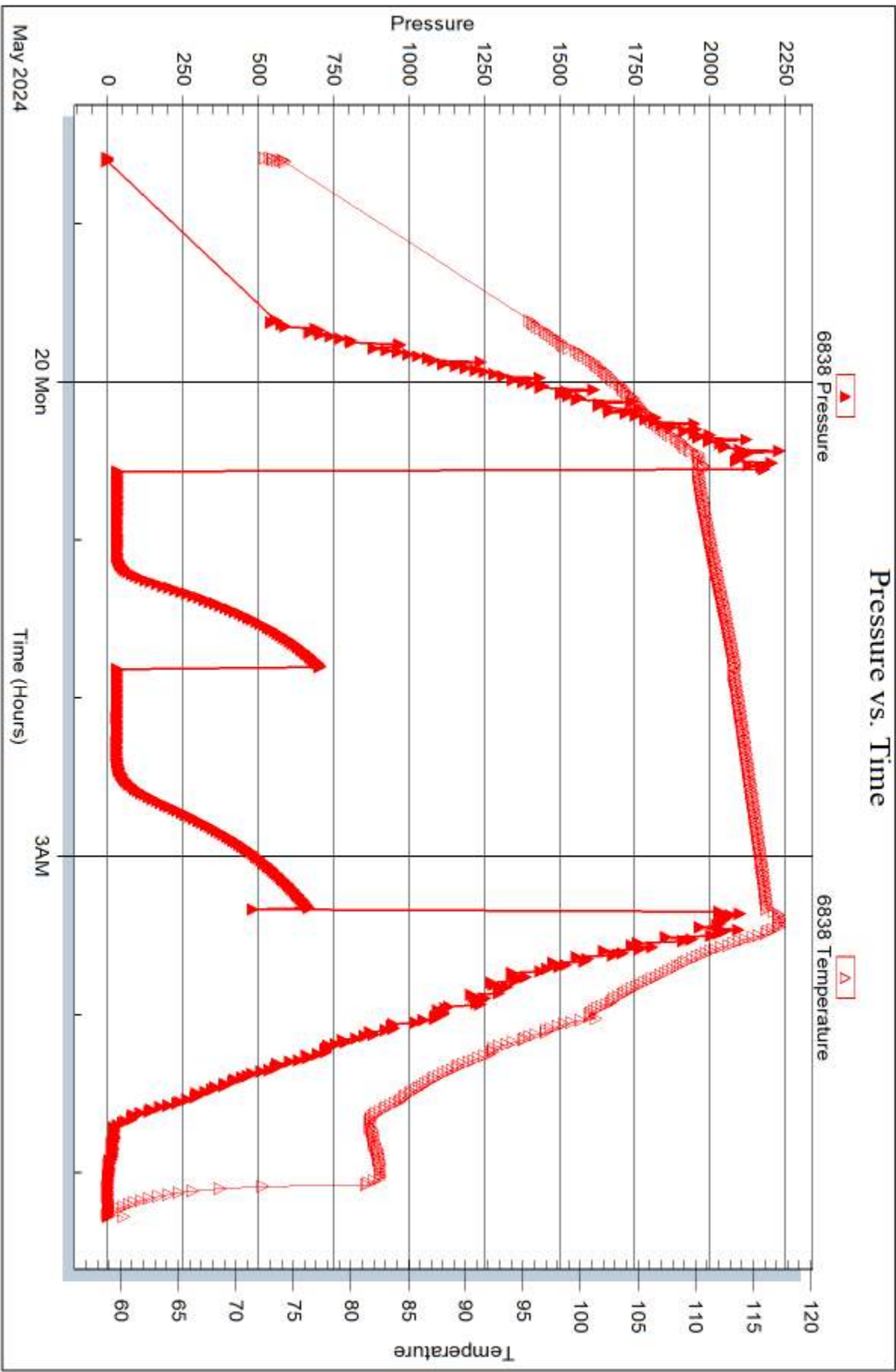
Serial #: 6838

Inside

Berexco LLC

Lygeros #1

DST Test Number: 3





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N Bramblewood
 Wichita KS 67206+1094
 ATTN: Keaton Jones

2-12S-34W Logan KS
Lygeros #1
 Job Ticket: 71907 **DST#: 4**
 Test Start: 2024.05.20 @ 12:05:00

GENERAL INFORMATION:

Formation: **LKC K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:18:32
 Time Test Ended: 19:58:47
 Interval: **4352.00 ft (KB) To 4389.00 ft (KB) (TVD)**
 Total Depth: 4389.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 75
 Reference Elevations: 3213.00 ft (KB)
 3203.00 ft (CF)
 KB to GR/CF: 10.00 ft

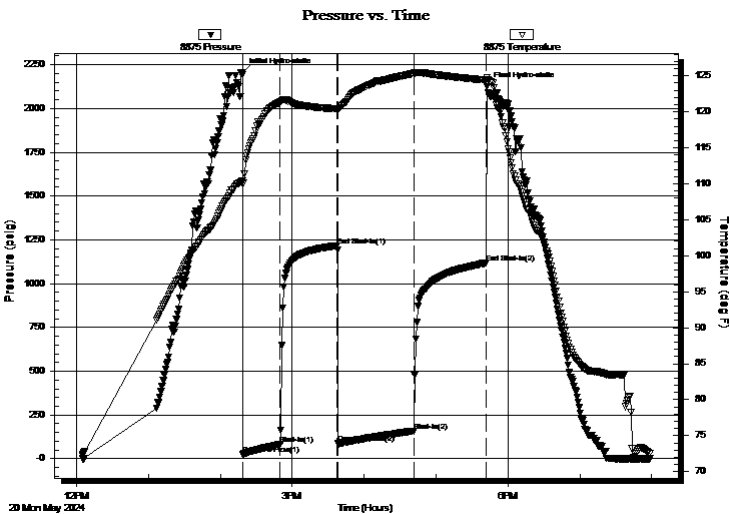
Serial #: 8875

Outside

Press@RunDepth: 159.39 psig @ 4353.00 ft (KB) Capacity: psig
 Start Date: 2024.05.20 End Date: 2024.05.20 Last Calib.: 2024.05.20
 Start Time: 12:05:01 End Time: 19:58:47 Time On Btm: 2024.05.20 @ 14:18:17
 Time Off Btm: 2024.05.20 @ 17:42:37

TEST COMMENT: 30-IF-Surface to 5"
 45-ISI-No Return
 60-FF-Surface to 2"
 60-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2205.64	110.37	Initial Hydro-static
1	24.76	109.93	Open To Flow (1)
32	82.16	121.40	Shut-In(1)
80	1216.21	120.42	End Shut-In(1)
80	86.62	120.28	Open To Flow (2)
144	159.39	125.33	Shut-In(2)
204	1118.67	124.44	End Shut-In(2)
205	2126.86	124.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	GHMCW 5%G 35%M 60%W	2.84
120.00	GWCM w/oil spots 10%G 10%W 80%M	1.70
5.00	GO 10%G 90%O	0.07
0.00	90 GIP 100%G	0.00

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Berexco LLC
 2020 N Bramblewood
 Wichita KS 67206+1094
 ATTN: Keaton Jones

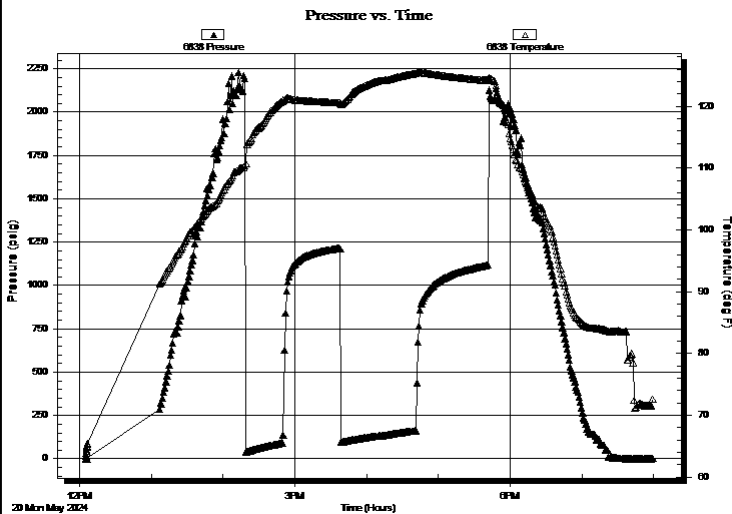
2-12S-34W Logan KS
Lygeros #1
 Job Ticket: 71907 **DST#: 4**
 Test Start: 2024.05.20 @ 12:05:00

GENERAL INFORMATION:

Formation: **LKC K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:18:32
 Time Test Ended: 19:58:47
 Interval: **4352.00 ft (KB) To 4389.00 ft (KB) (TVD)**
 Total Depth: 4389.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 75
 Reference Elevations: 3213.00 ft (KB)
 3203.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6838 **Inside**
 Press@RunDepth: psig @ 4353.00 ft (KB) Capacity: psig
 Start Date: 2024.05.20 End Date: 2024.05.20 Last Calib.: 2024.05.20
 Start Time: 12:05:01 End Time: 19:59:27 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF-Surface to 5"
 45-ISI-No Return
 60-FF-Surface to 2"
 60-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
200.00	GHMCW 5%G 35%M 60%W	2.84
120.00	GWCM w/oil spots 10%G 10%W 80%M	1.70
5.00	GO 10%G 90%O	0.07
0.00	90 GIP 100%G	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

2-12S-34W Logan KS

2020 N Bramblewood
Wichita KS 67206+1094

Lygeros #1

Job Ticket: 71907

DST#: 4

ATTN: Keaton Jones

Test Start: 2024.05.20 @ 12:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

66000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	GHMCW 5%G 35%M 60%W	2.835
120.00	GWCM w /oil spots 10%G 10%W 80%M	1.701
5.00	GO 10%G 90%O	0.071
0.00	90 GIP 100%G	0.000

Total Length: 325.00 ft

Total Volume: 4.607 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

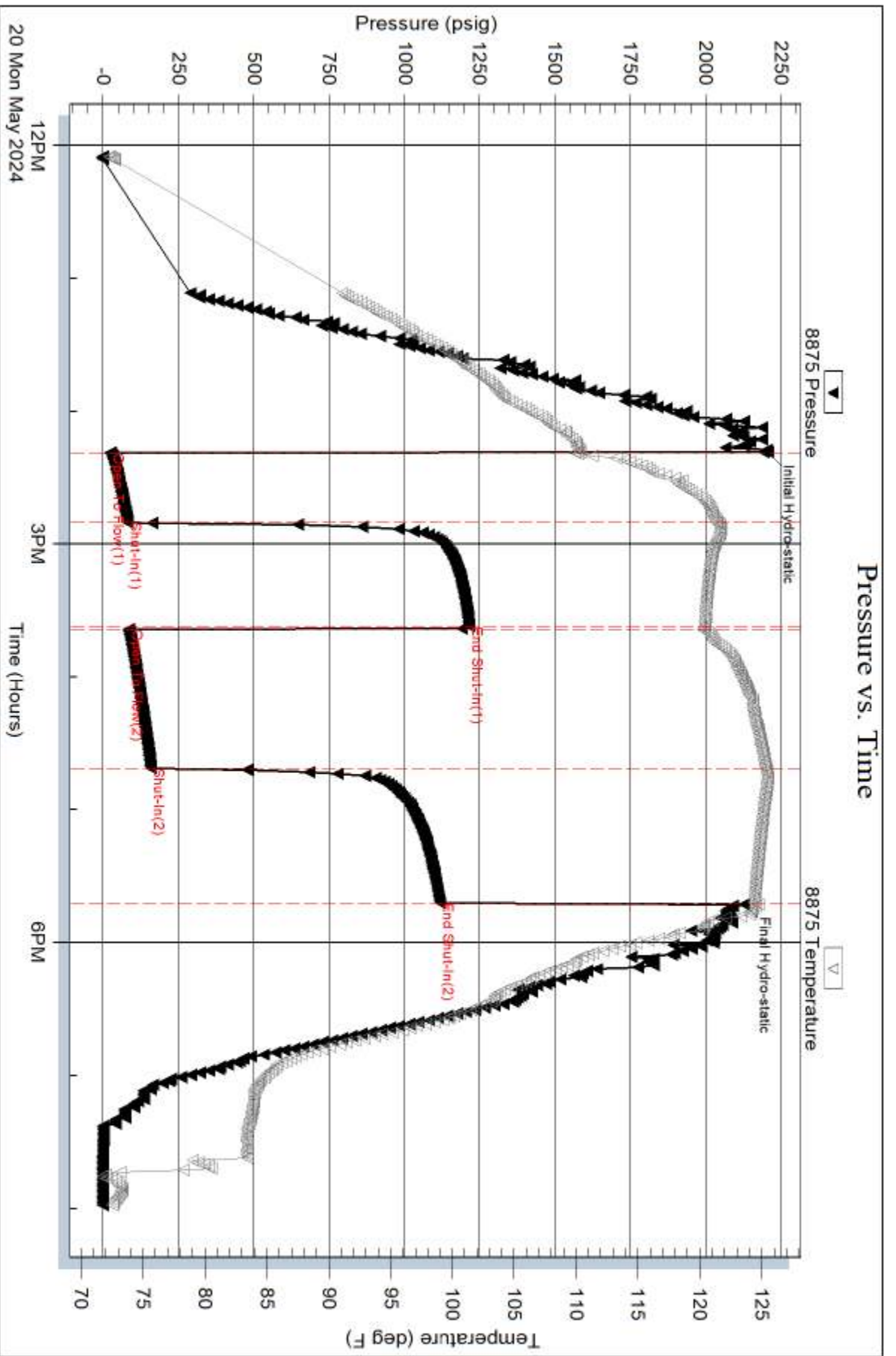
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3#LCM

RW=.117@70F



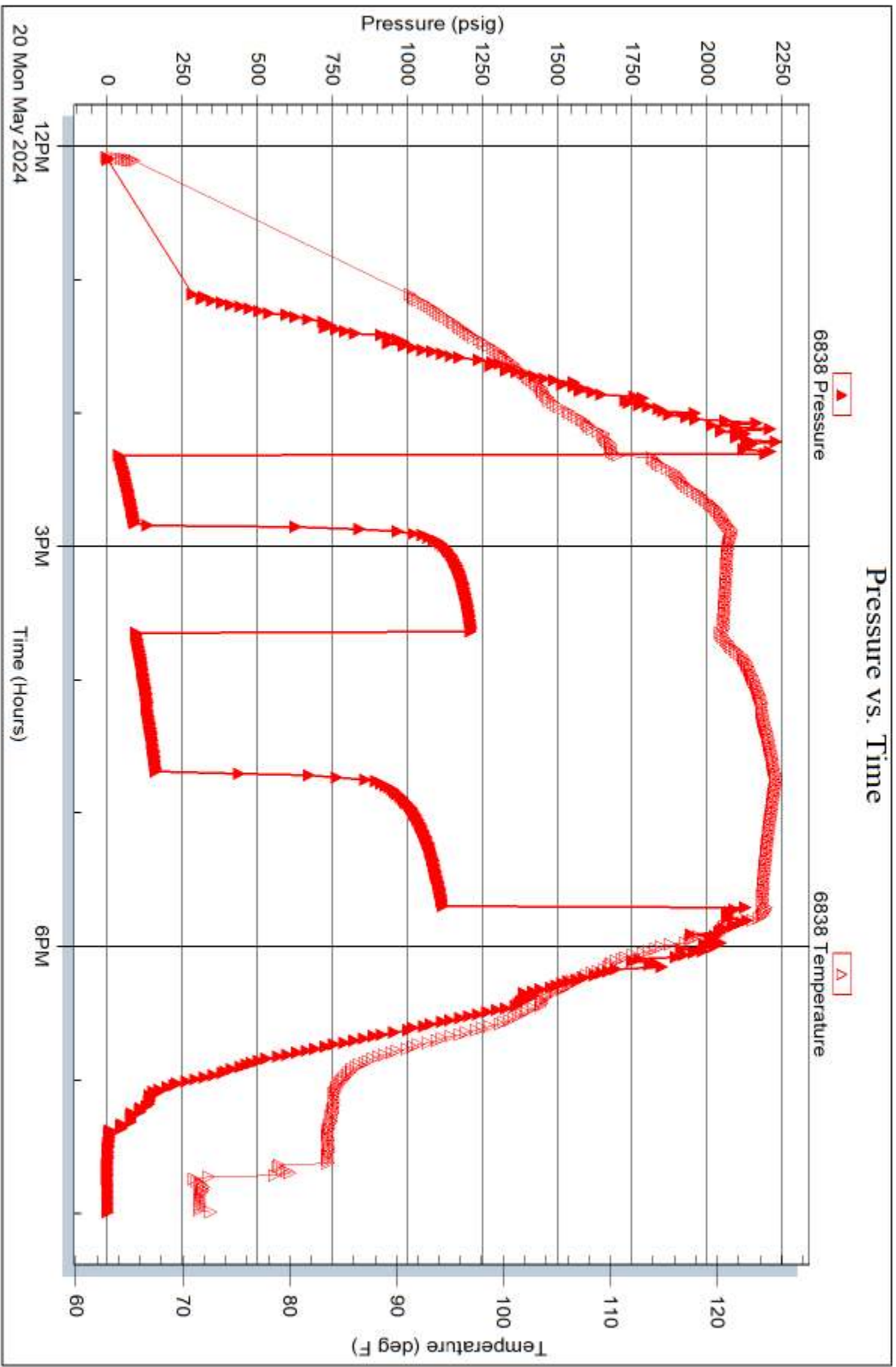
Serial #: 6838

Inside

Berexco LLC

Lygeros #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 71907

Printed: 2024.05.20 @ 22:35:51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N Bramblewood
 Wichita KS 67206+1094
 ATTN: Keaton Jones

2-12S-34W Logan KS
Lygeros #1
 Job Ticket: 71802 **DST#: 5**
 Test Start: 2024.05.21 @ 17:16:00

GENERAL INFORMATION:

Formation: **" Cherokee - Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:27:30
 Time Test Ended: 00:54:39
 Interval: **4633.00 ft (KB) To 4730.00 ft (KB) (TVD)**
 Total Depth: 4730.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: 3213.00 ft (KB)
 3203.00 ft (CF)
 KB to GR/CF: 10.00 ft

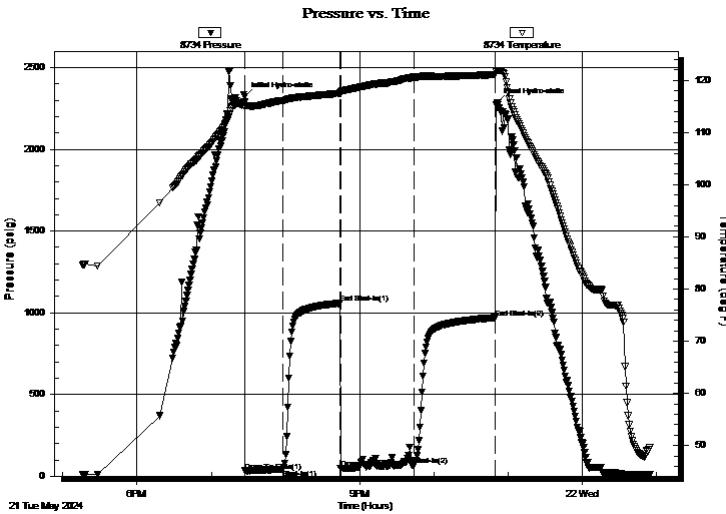
Serial #: 8734

Outside

Press@RunDepth: 69.40 psig @ 4634.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2024.05.21 End Date: 2024.05.22 Last Calib.: 2024.05.22
 Start Time: 17:16:01 End Time: 00:54:40 Time On Btm: 2024.05.21 @ 19:27:20
 Time Off Btm: 2024.05.21 @ 22:51:30

TEST COMMENT: 30-IF-Blow built to 3/4"
 45-ISI-No return
 60-FF-S.blow @ 4 mins built to 2"
 60-FSI-No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2322.16	115.79	Initial Hydro-static
1	31.65	114.92	Open To Flow (1)
31	42.96	116.09	Shut-In(1)
77	1057.66	117.46	End Shut-In(1)
78	47.33	117.75	Open To Flow (2)
137	69.40	120.59	Shut-In(2)
203	970.26	121.06	End Shut-In(2)
205	2284.48	121.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	GOCM 3%G, 10%O, 87%M	0.98

* 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 Bramblewood
Wichita KS 67206+1094
ATTN: Keaton Jones

2-12S-34W Logan KS
Lygeros #1
Job Ticket: 71802 **DST#: 5**
Test Start: 2024.05.21 @ 17:16:00

GENERAL INFORMATION:

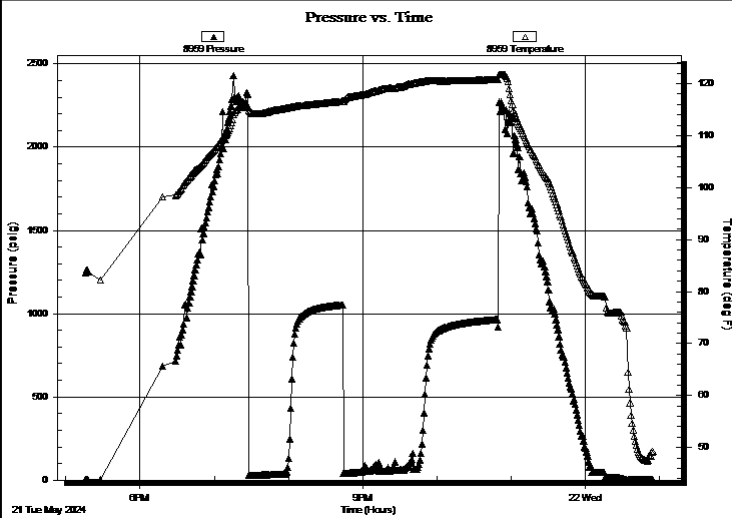
Formation: " **Cherokee - Johnson**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 19:27:30 Tester: Martine Salinas
Time Test Ended: 00:54:39 Unit No: 82
Interval: 4633.00 ft (KB) To 4730.00 ft (KB) (TVD) Reference Elevations: 3213.00 ft (KB)
Total Depth: 4730.00 ft (KB) (TVD) 3203.00 ft (CF)
Hole Diameter: 7.88 inchesHole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8959 Inside
Press@RunDepth: psig @ 4634.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2024.05.21 End Date: 2024.05.22 Last Calib.: 2024.05.22
Start Time: 17:16:01 End Time: 00:54:30 Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-Blow built to 3/4"
45-ISI-No return
60-FF-S.blow @ 4 mins built to 2"
60-FSI-No return

PRESSURE SUMMARY

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



Recovery

Length (ft)	Description	Volume (bbl)
70.00	GOCM 3%G,10%O, 87%M	0.98

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

2-12S-34W Logan KS

2020 N Bramblewood
Wichita KS 67206+1094

Lygeros #1

Job Ticket: 71802

DST#: 5

ATTN: Keaton Jones

Test Start: 2024.05.21 @ 17:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 76.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	GOCM 3%G,10%O, 87%M	0.982

Total Length: 70.00 ft Total Volume: 0.982 bbl

Num Fluid Samples: 0

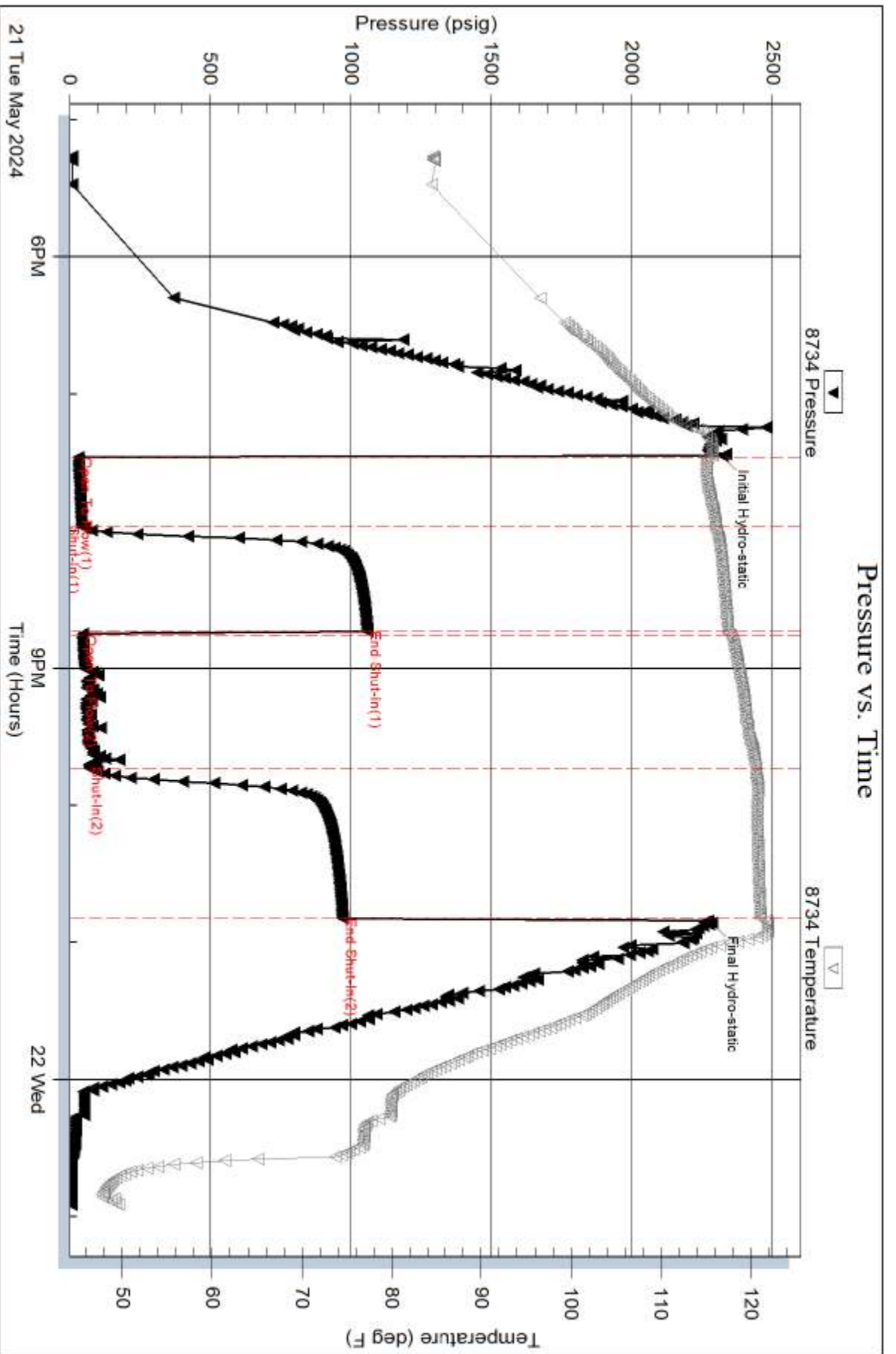
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



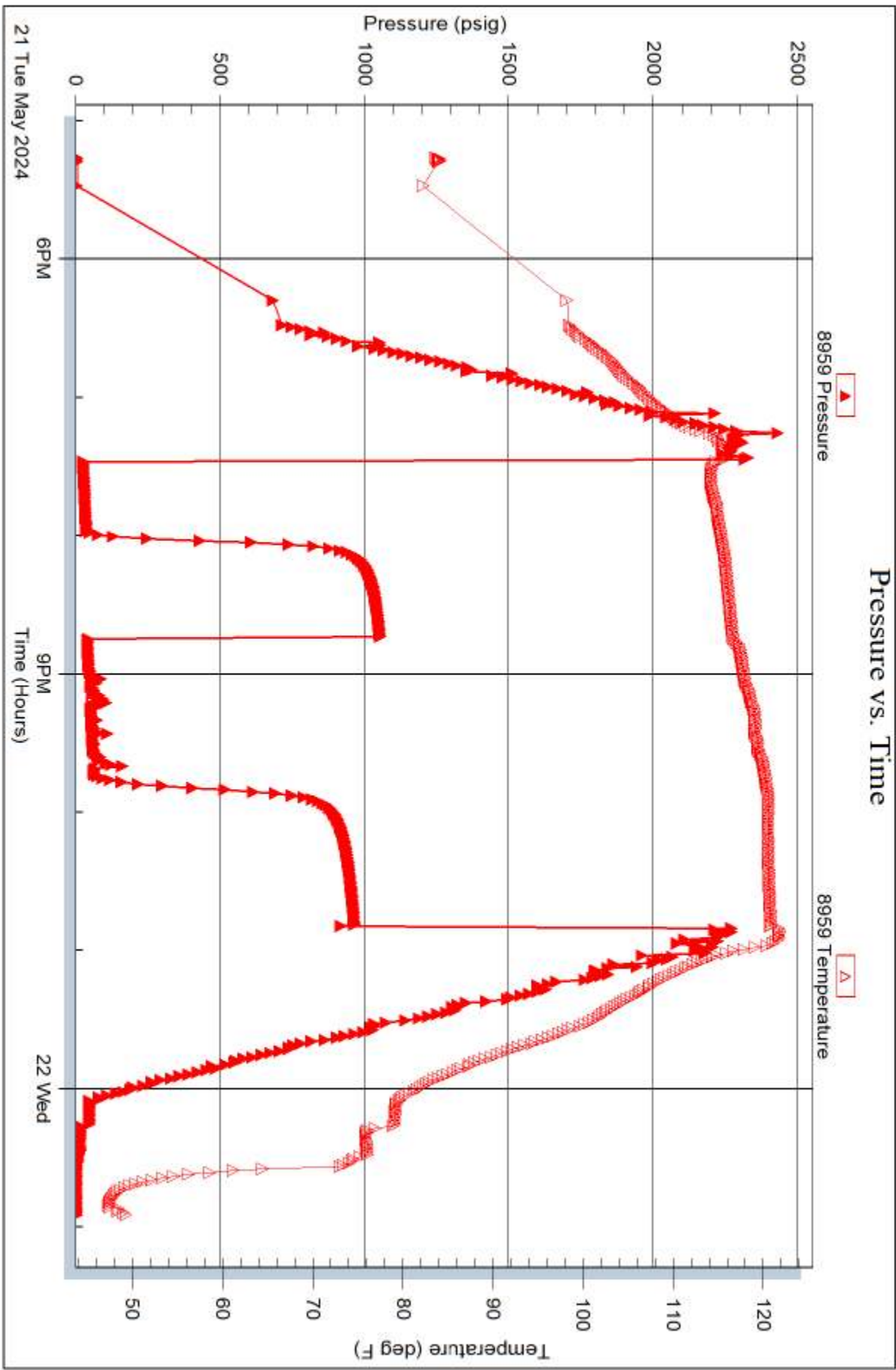
Serial #: 8959

Inside

Berexco LLC

Lygeros #1

DST Test Number: 5

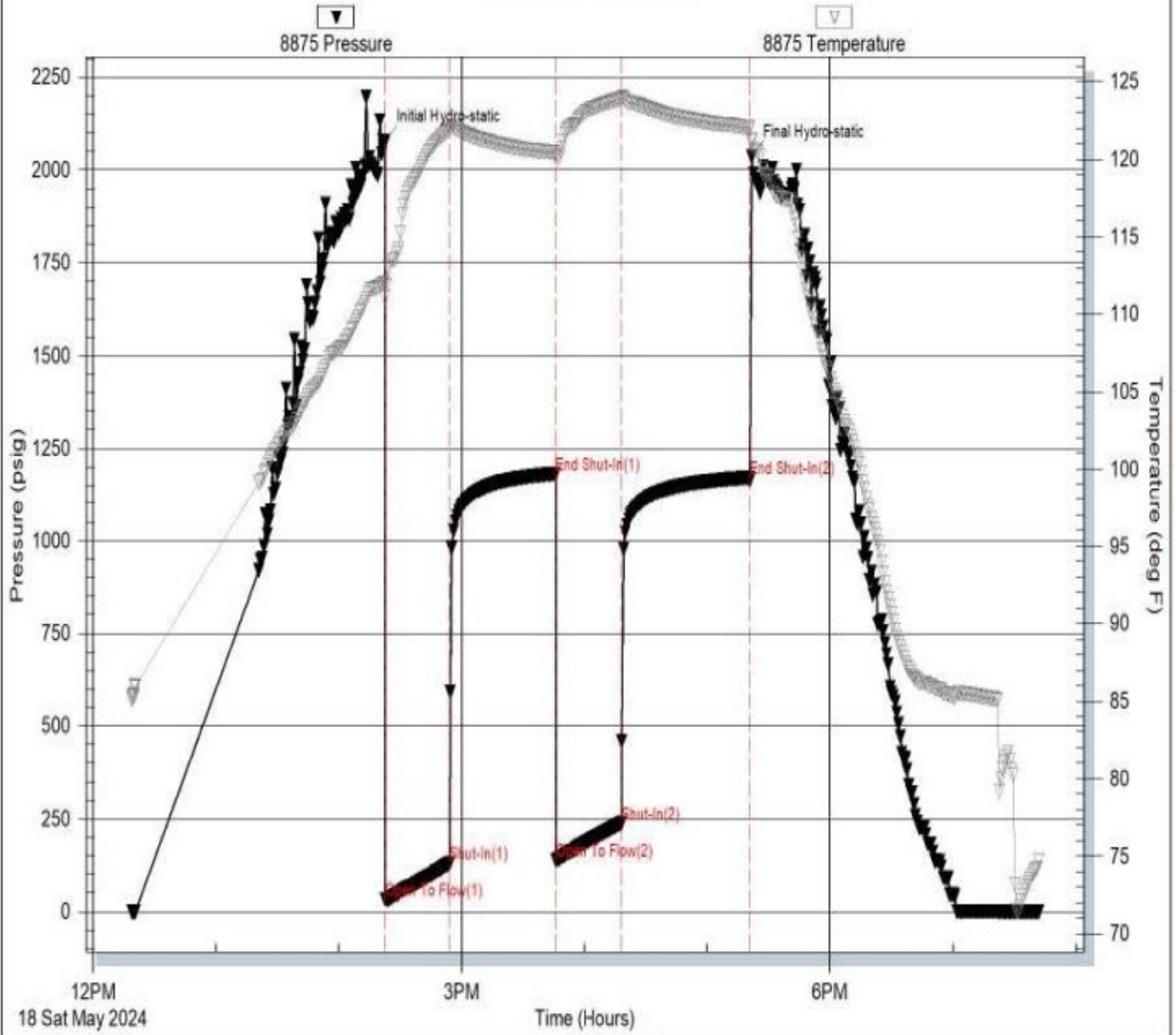


Lygeros #1
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

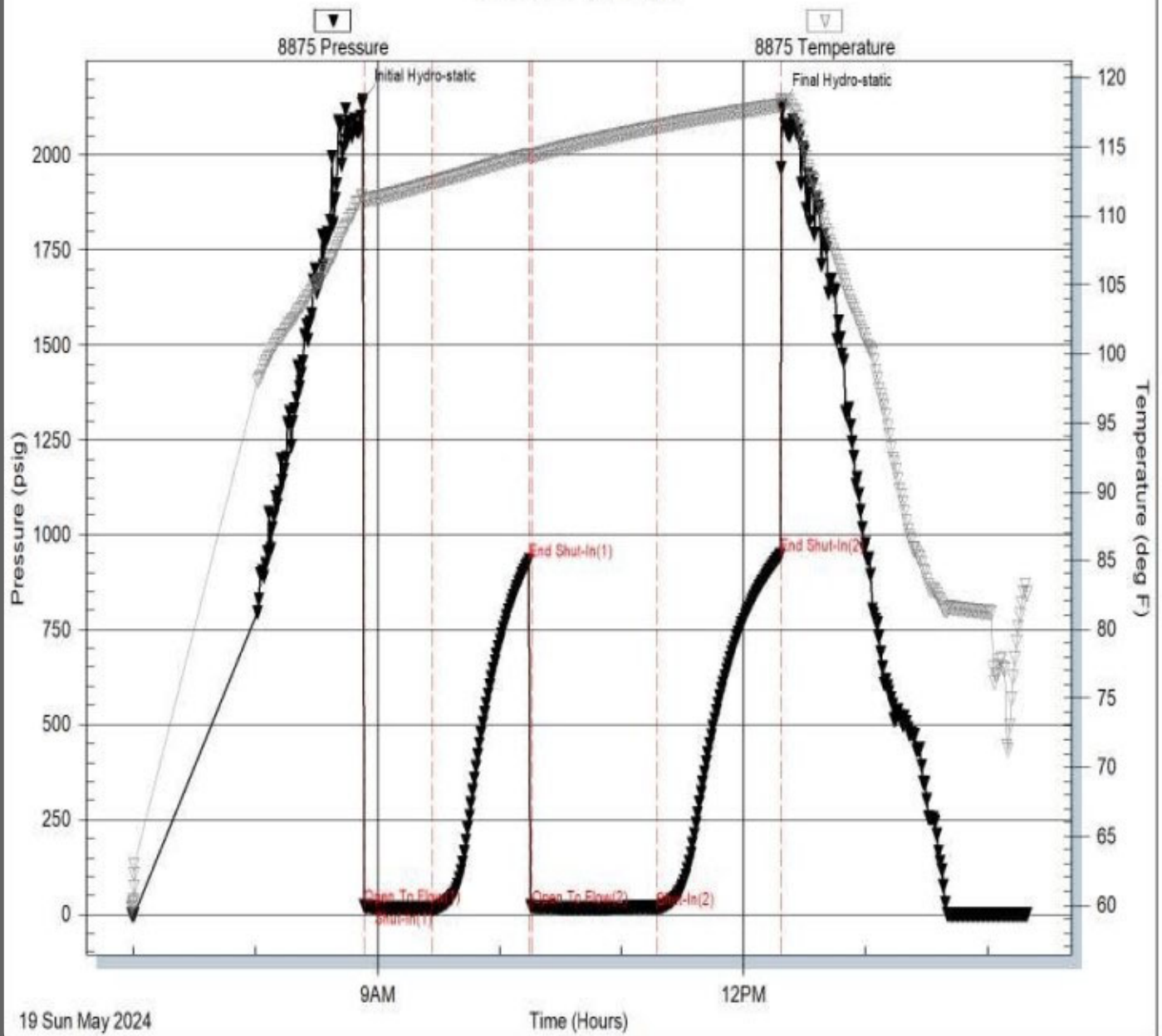
Well Name: Lygeros #1
API: 15-109-21673-00-00
Location: 990' FNL, 2310 FEL - Sec 2, T12S, R34W
License Number: 34318
Spud Date: 4/30/2024
Surface Coordinates: (Y= 273558 X= 1130463)
39.043999, -101.062052 (NAD 27)
Bottom Hole Same As Surface
Coordinates:
Ground Elevation (ft): 3202 **K.B. Elevation (ft):** 3213
Logged Interval (ft): 3700 **To:** 4380 **Total Depth (ft):** 4830
Formation: Miss @ R.T.D
Type of Drilling Fluid: Chemical Mud (Andys)

Region: Logan County
Drilling Completed: 5/22/24

Pressure vs. Time

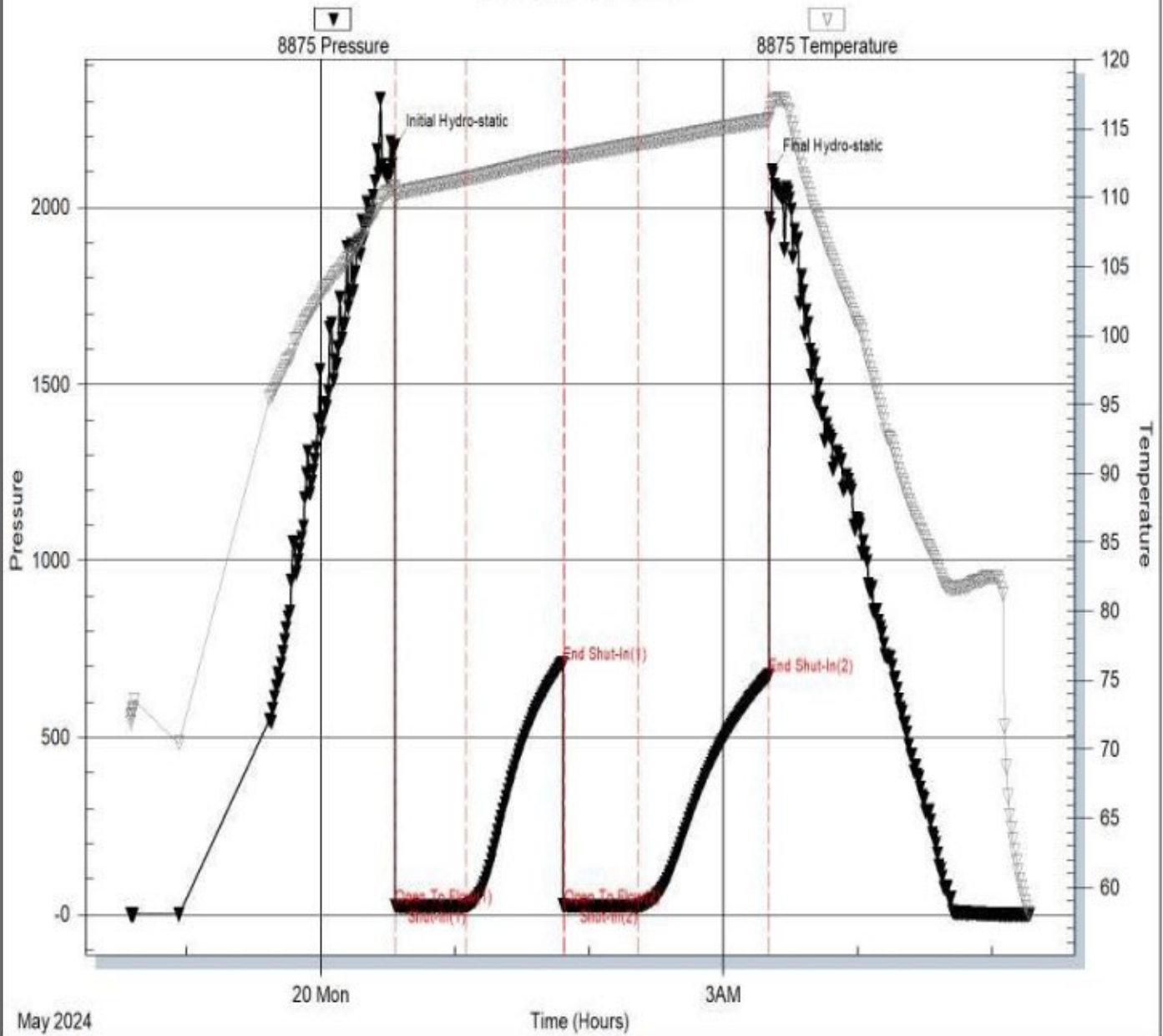


Pressure vs. Time



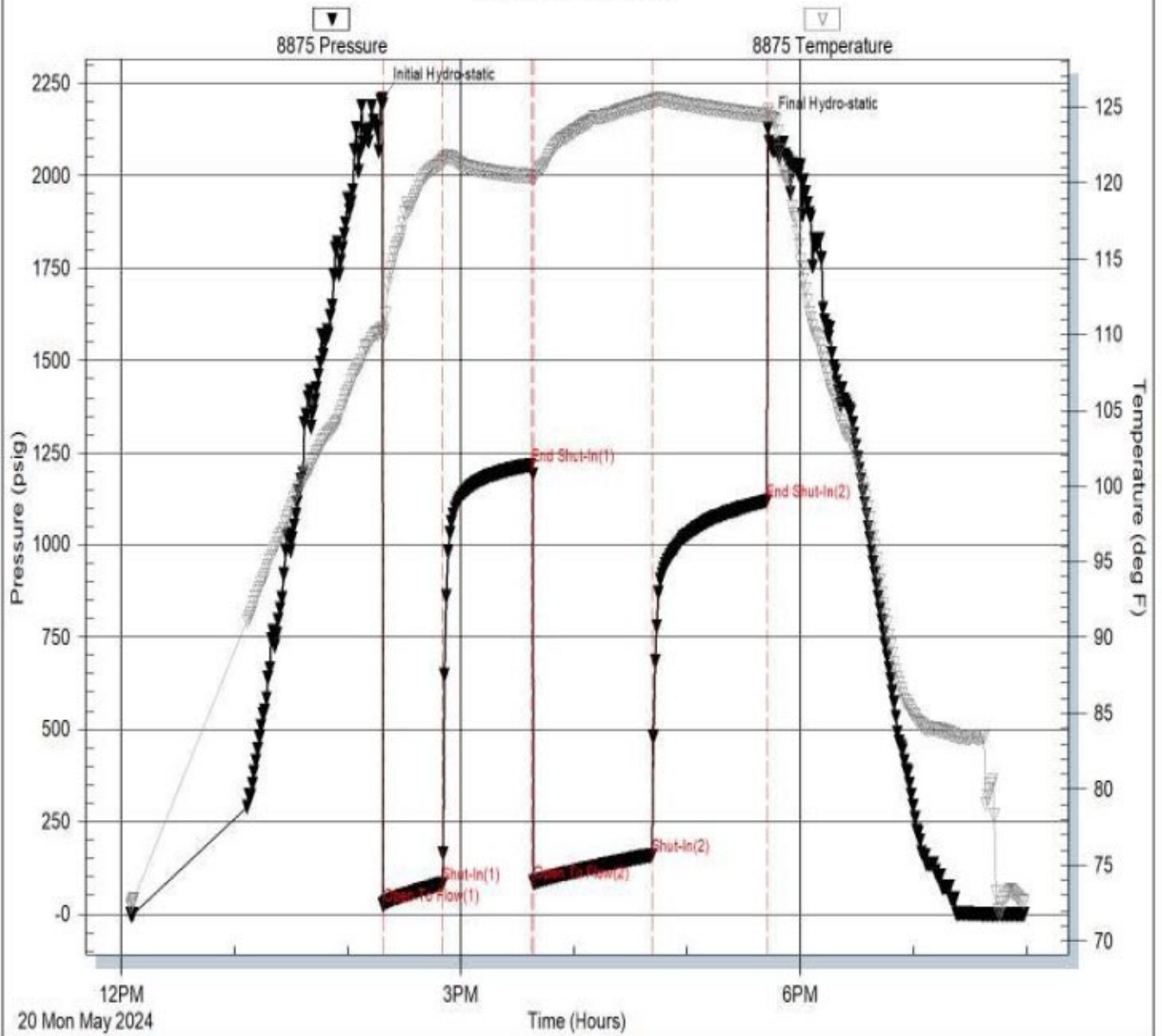
19 Sun May 2024

Pressure vs. Time

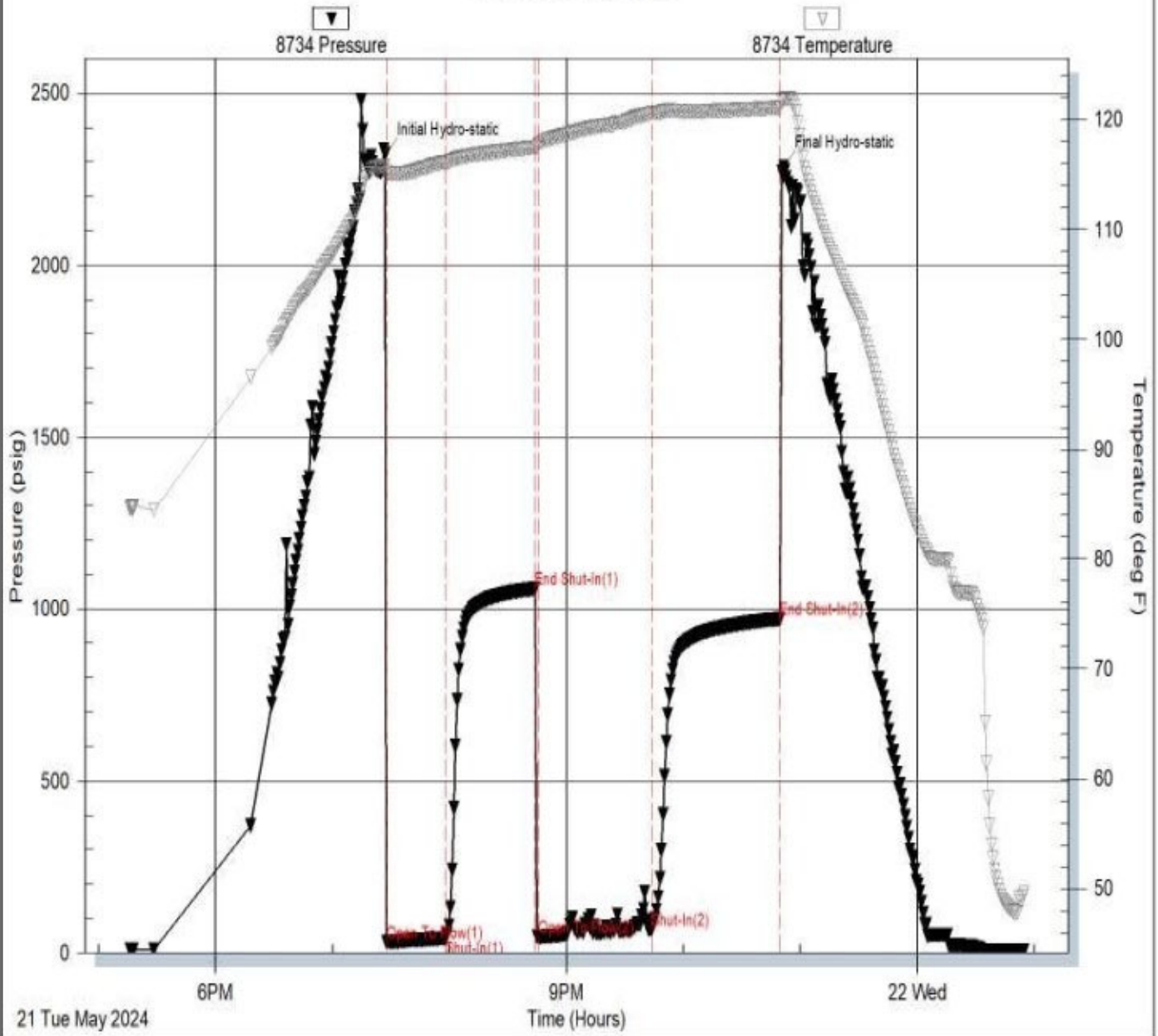


May 2024

Pressure vs. Time



Pressure vs. Time



Wellsite Comparison

Lease: Lygeros #1		---In Comparison To---		Lease: Nollette		Lease: Elaine #1				
Formation	Depth:	Datum	Strat Comp	Formation	Depth:	Datum	Strat Comp	Formation	Depth:	Datum
Anhy		3213	5	Anhy	3208	2220	Anhy	2221	993	
Topeka	3858	-645		Topeka	3208	-6	Topeka	3853	-639	
Heebner	4086	-873	5	Heebner	4086	-878	-6	Heebner	4081	-867
Toronto	4110	-897	5	Toronto	4110	-902	-5	Toronto	4106	-892
LKC "A"	4125	-912	4	LKC "A"	4124	-916	-3	LKC "A"	4123	-909
LKC "B"	4160	-947		LKC "B"	3208	-5	LKC "B"	4156	-942	
LKC "H"	4294	-1081		LKC "H"	3208	-13	LKC "H"	4282	-1068	
LKC "I"	4324	-1111		LKC "I"	3208	-13	LKC "I"	4312	-1098	
Stark	4359	-1146	8	Stark	4362	-1154	-10	Stark	4350	-1136
LKC "K"	4370	-1157		LKC "K"	3208	-12	LKC "K"	4359	-1145	
BKC	4428	-1215	3	BKC	4426	-1218	-9	BKC	4420	-1206
Ft Scott	4609	-1396	12	Ft Scott	4616	-1408	-6	Ft Scott	4604	-1390
Cherokee	4638	-1425		Cherokee	3208	-9	Cherokee	4630	-1416	
Miss SD	4752	-1539	27	Miss SD	4774	-1566	1	Miss SD	4754	-1540
Miss	4757	-1544		Miss	3208	13	Miss	4771	-1557	

ROCK TYPES

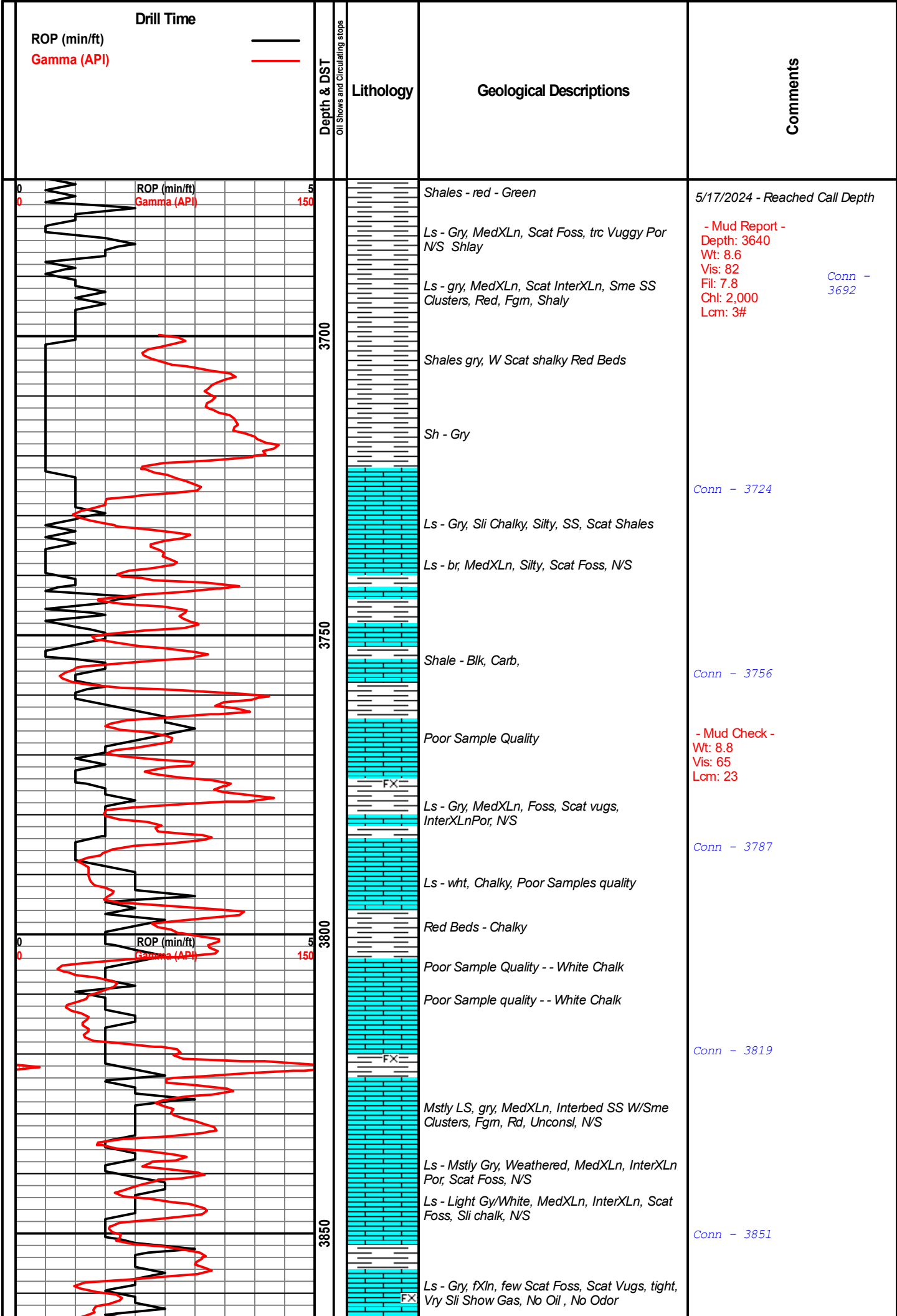
Anhy	Clyst	Gyp	Mrlst	Shgy
Bent	Coal	Igne	Salt	Sltst
Brec	Congl	Lmst	Shale	Ss
Cht	Dol	Meta	Shcol	Till

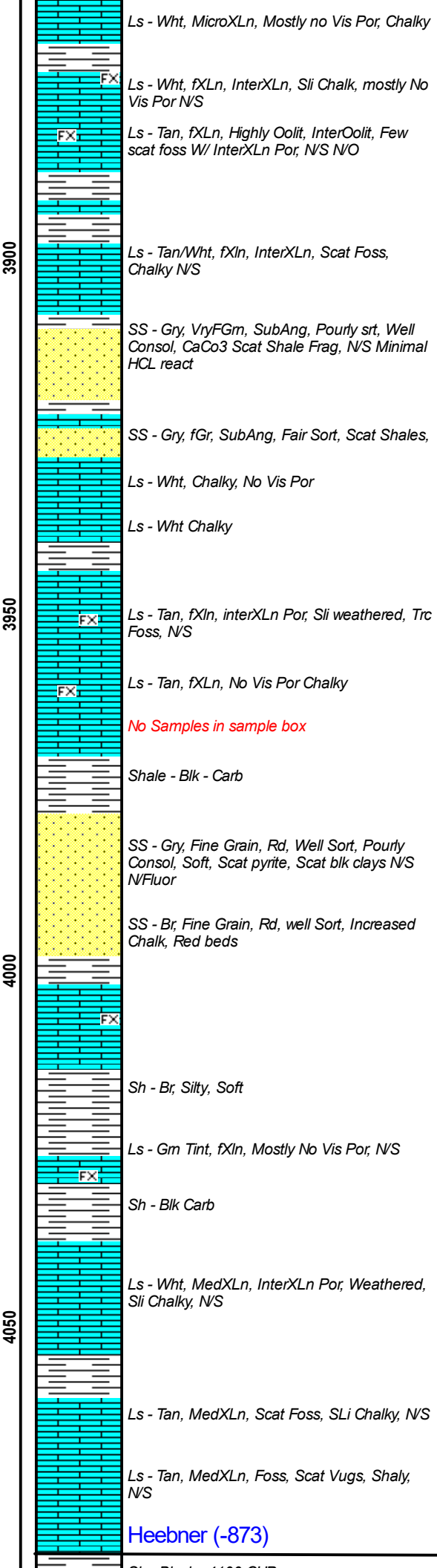
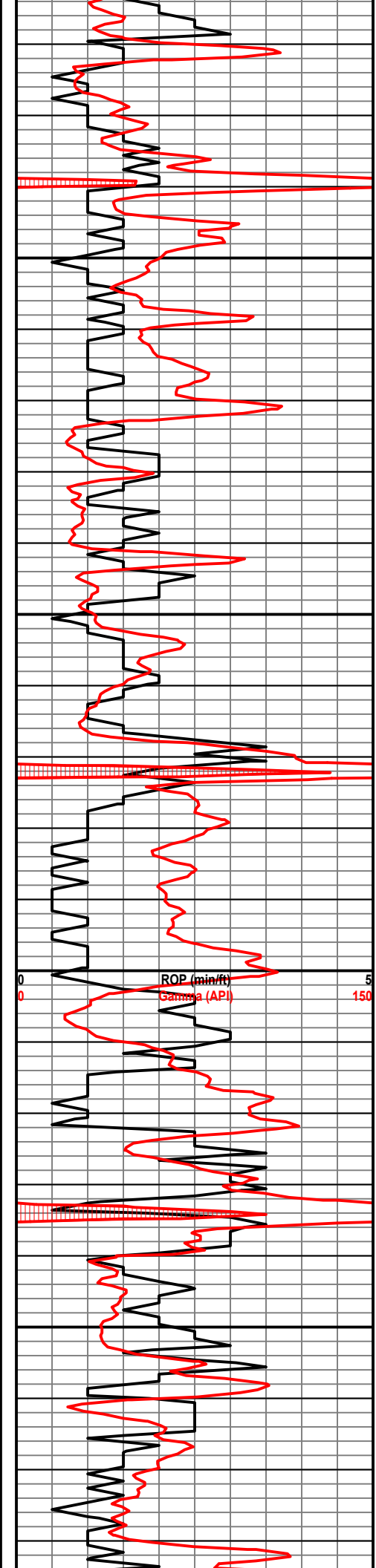
ACCESSORIES

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

OTHER SYMBOLS

POROSITY	Vuggy	ROUNDING	Spotted	Dst 3
Earthy		Rounded	Ques	Dst
Fenest	SORTING	Subrnd	Dead	EVENT
Fracture	Well	Subang	Core	Rft
Inter	Moderate	Angular	Dst 2	Sidewall
Moldic	Poor	OIL SHOW	Dst 4	
Organic		Even		
Pinpoint				





Ls - Wht, MicroXLn, Mostly no Vis Por, Chalky

FX Ls - Wht, fXLn, InterXLn, Sli Chalk, mostly No Vis Por N/S

FX Ls - Tan, fXLn, Highly Oolit, InterOolit, Few scat foss W/ InterXLn Por, N/S N/O

Ls - Tan/Wht, fXLn, InterXLn, Scat Foss, Chalky N/S

SS - Gry, VryFGm, SubAng, Pourly srt, Well Consol, CaCo3 Scat Shale Frag, N/S Minimal HCL react

SS - Gry, fGr, SubAng, Fair Sort, Scat Shales,

Ls - Wht, Chalky, No Vis Por

Ls - Wht Chalky

FX Ls - Tan, fXLn, interXLn Por, Sli weathered, Trc Foss, N/S

FX Ls - Tan, fXLn, No Vis Por Chalky

No Samples in sample box

Shale - Blk - Carb

SS - Gry, Fine Grain, Rd, Well Sort, Pourly Consol, Soft, Scat pyrite, Scat blk clays N/S N/Fluor

SS - Br, Fine Grain, Rd, well Sort, Increased Chalk, Red beds

FX

Sh - Br, Silty, Soft

Ls - Gm Tint, fXLn, Mostly No Vis Por, N/S

FX Sh - Blk Carb

Ls - Wht, MedXLn, InterXLn Por, Weathered, Sli Chalky, N/S

Ls - Tan, MedXLn, Scat Foss, SLi Chalky, N/S

Ls - Tan, MedXLn, Foss, Scat Vugs, Shaly, N/S

Heebner (-873)

Conn - 3883

- Mud Check -
Wt: 8.8
vis: 68
Lcm: 3#

Conn - 3915

Conn - 3946

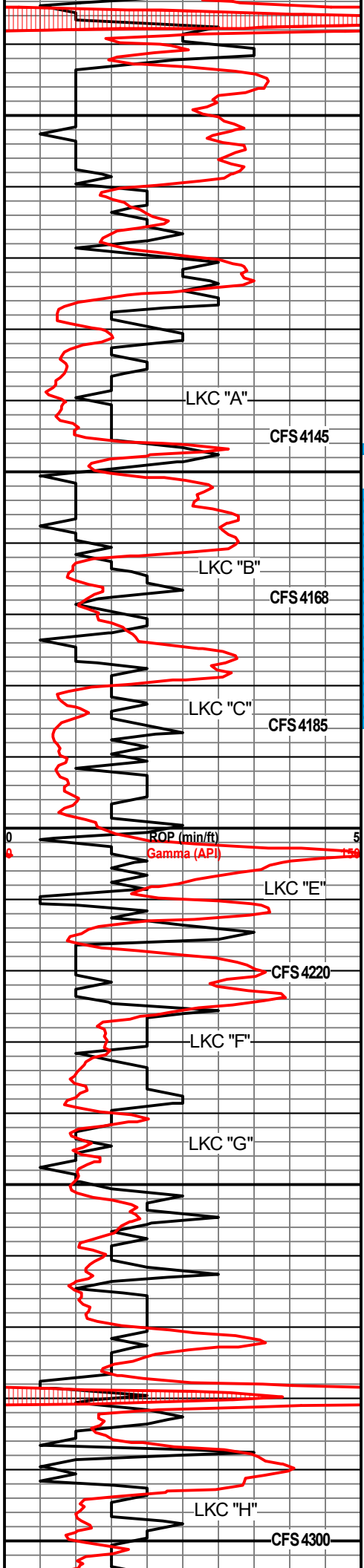
Conn - 3978

Conn - 4010

- Mud Check -
Wt: 9.0
Vis: 60
Lcm: 3#

Conn - 4041

Conn - 4073



4100	FX	Shale Gry
		Shale - Gry, Increased red Beds Sli Silty
		Toronto (-895)
	FX	Ls - Tan, fXLn, Few Pcs Oolit, N/S
	FX	
		Ls - Light tan to wht, MicroXLn, Mostly No Vis Por
	MX	
	MX	Ls - Wht, MicroXLn, Mostly No Vis Por, Chalky, N/S
		Shales - Red Chalky
	FX	Ls - Br, fXLn, PP por with InterXLn Por, Minimal Porosity, show of heavy free oil, very sli show gas faint to no odor
	MX	Ls - Tan, MicroXLn, Mostly No Vis Por
		Ls - wht, MicroXLn, Sme PP Por Mostly No Vis Porm N/S N/O
		Ls - Gry, MicroXLn, Mostly no Vis Por
	MX	Ls - Tan, MicroXLn, Dse, No Vis Por, Shaly contacts, N/S
		Sh - Blue/Gm
		Ls - wht, MedXLn, Scat foss, InterXLn pp Por, SFO&G along PP & Frac, Faint odor
		Ls - Tan, MedXLn, InterXLn Foss, Scat PP por, SFO&G Fair Odor, Minimal Gas
		Ls - tan, fxl, few scat foss, sli oolit, N/S
	FX	
	FX	Ls - Wht, MedXLn, Weathered, Scat Foss, Few Scat vugs, N/S
		Shale gry
	MX	
		Ls - Tan, MedXLn, Weathered, InterXLn Por, N/S Baren Por
		Ls - Wht, MicroXLn Chalky Carbonate mostly No vis por, N/S
	FX	Ls - Tan, fXLn, Mostly No Vis Por N/S
	FX	
		Shale Blk Carb
		Shale Gry
		Ls - Tan/Br, MedXLn, Foss, Scat Vugs, sli Interoolit, GSFO&G Strong Odor, Streaming Cut, SPotty Fluor
	FX	

Conn - 4104
5/18/2024

Driller Adjusting Auto drill
Rig hands misplaved screen for samples
Poor Sample Quality without a screen

Conn - 4136
- DST (1) -
Interval: 4148-4185
Rec: 500' Total Fluid
300' 90%W, 10%M
200' 60%W, 40%M

IH: 2075
IF: 32-130
FF: 138-238
SIP: 1180-1171
FH: 2035
BHT: 122
Chl: 51,0000 Conn - 4168

Strap 1.54 Long -
Survey 1 Degree

- Mud Report -
Depth: 4185
Wt: 9.1
Vis: 60
Fil: 8.8
Chl: 2,000
Lcm: 3# Conn - 4200

5/19/2024

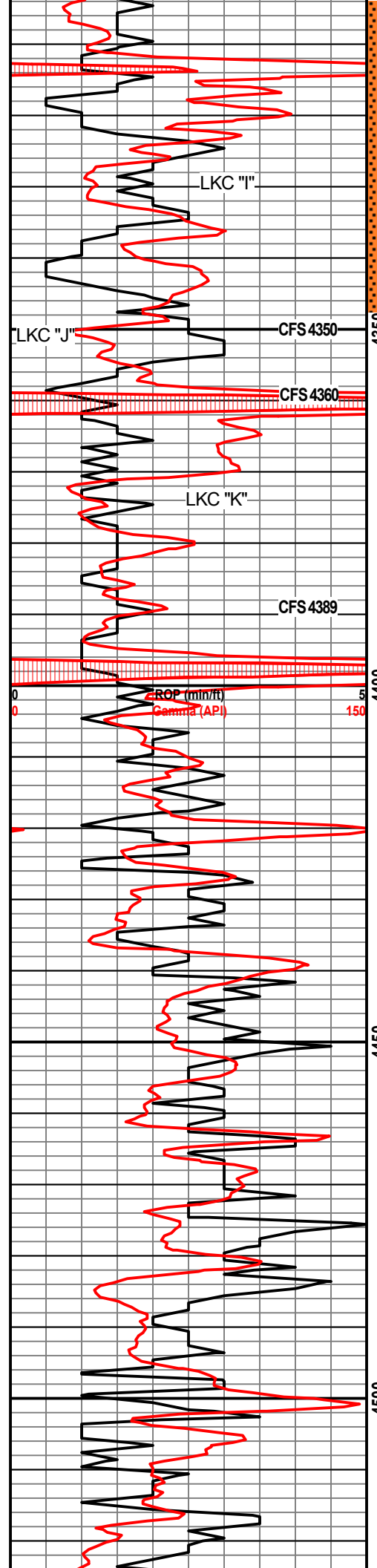
- Mud Check -
Wt: 9.2
Vis: 65
Lcm: 2 Conn - 4231

- Mud Report -
Depth: 4300
Wt: 9.2
Vis: 60
Fil: 8.8
Chl: 2,000
Lcm: 2# Conn - 4263

- DST (2) -
Intreval: 4270-4300
Rec: 5' Mud 100%

IH: 2142
IF: 21-15
FF: 19-15
SIP: 930-945
FH: 2130
BHT: 118 Conn - 4294

5/20/2024



Ls - cream, fXln, sil chky, Mostly No Vis Por, N/S
 Shale - Blk Carb
 Shale Blk Carb
 Ls - tan, fXln, Highly Oolit, foss with scat vugs, GSFO&G, Fair odor, Spotty Fluor.
 Shale - Gry,
 Ls - Gry, MedXLn, ReXLn, Mostly No Vis Por N/S
Stark (-1146)
 Sh - Black, Carb
 Sh - Gry, silty, Soft
 Ls - Cream/Off wht, fXln, interXLn por, Li Br stn, SSFGO on break, fair-Good Odor
 Ls - off wht, fXln, ooc/sub ooli, castic Por, Britt, SSFGO on break, Fair Odor
 Ls - Cream, Off wht, Dse, MicroXLn, Mostly No Vis Por N/S N/O
 Ls - Tan, MicroXLn, scat InterXLn, Mostly No Vis Por, N/S - Slight odor from above
 Ls - Wht, fXln, Abundant InterXLn Pr, N/S No
BKC (-1215)
 Ls - Gry, MicroXLn, Weathered, No Vis Por, N/S
 Shales - Red Beds Chalky,
 Shales - Mostly Red Beds, Sme green Waxy Soft
 Ls - Tan, MicroXLn Vry Dse, No Vis Por
 Ls - Purple/Wht, fXln, Mostly No Vis Por
 Ls - shaly, Purple/Green, Chalky, Silty MicroXLn
 Ls - White/Purple, MicroXLn, Silty, Dse, Few Scat Foss, N/S
 Ls - Tan, MicroXLn SCat Foss, Tight Oolit, Dse, N/S N/O
 Shale Gry, sli silty, Scat Br Stringers, Waxy
 Ls - Tan, MicroXLn, Mostly No Vis Por, Few Scat pcs MedXLn, InterXLn Por, W/ Scat Foss, N/S N/O

- DST (3) -
 Interval: 4304-4360
 Rec: 10' 100%M
 IH: 2173
 IF: 23-23
 FF: 23-23
 SIP: 709-676
 FH: 2103
 BHT: 115
 Conn - 4326

- Mud Report -
 Depth: 4389
 Wt: 9.4
 Vis: 54
 Fil: 8.8
 Chl: 3,000
 Lcm: 3#
 Conn - 4389

- DST (4) -
 Interval: 4352-4389
 Rec: 200' 5%G, 60%W, 35%M
 120' 10%G, 10%W, 80%M
 5' 10%G, 90%O
 90' GIP
 IH: 2205
 IF: 24-82
 FF: 86-159
 SIP: 1216-1118
 FH: 2126
 BHT: 124
 Gravity: 37
 Chl: 66,000
 Conn - 4421

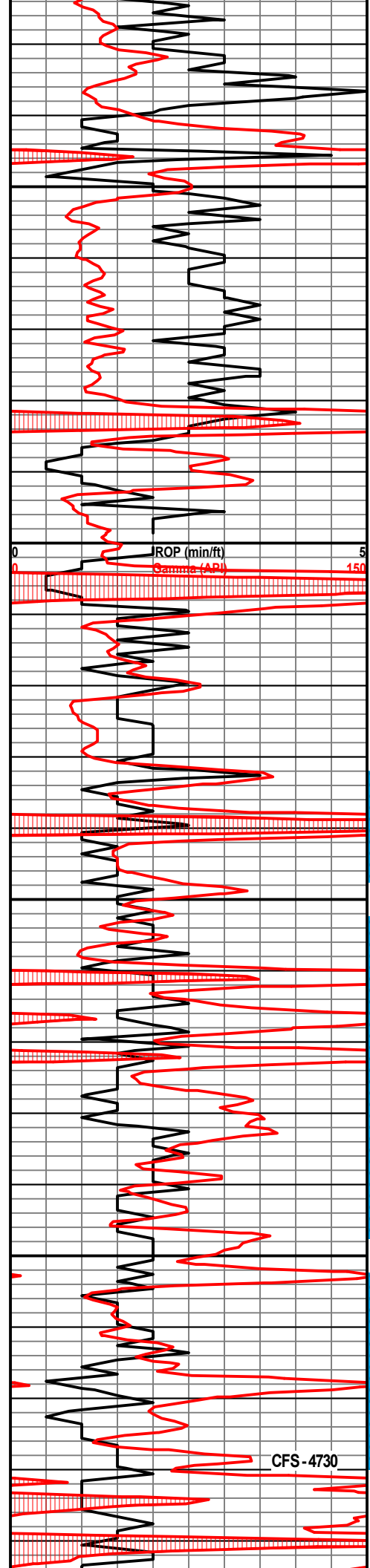
Conn - 4357

Conn - 4453

Conn - 4485

- Mud Check -
 Wt: 9.0
 Vis: 62

Conn - 4516



Ls - Wht/Tan, fXLn, InterXLn Por, Mostly No Vis Por, Scat Interbed Shales, Pyrite, N/S

- Mud Check -
Wt: 9.2
Vis: 63

FX

Shale - Blk - Carb

Conn - 4548

Ls - Tan, MicroXLn, Sme Scat InterXLn, Mostly No Vis Por, Dse, N/S N/O

Ls - tan/Li Br, MicroXLn Mostly No Vis Por N/S

Ls - Tan, MedXLn, with White InterXLn, Scat Pyrite, Chert in Part gry, transl, spotted blk shales, N/S N/O

Conn - 4580

Shale - Black Carb

Shale - Gry/Black

5/21/2024

Fort Scott (-1396)

Ls - Tan, MedXLn, interXLn, Scat Clays, Trc Foss N/S

Conn - 4612

Shale - LS - Wht to Gry Sli Chalky

Ls - Tan, MicroXLn Trc Foss, Mostly no Vis Por, N/S

Shale - Blk - Carb, Sli Silty,

Cherokee (-1425)

Ls - Tan, fXLn, Scat Foss, Few Vugs, Sli SFO on break, Mostly Fresh Str, No Odor, No Live Oil

Conn - 4643

- DST (5) -
Interval - 4633-4730

Rec: 70' OCM 3%G, 10%O, 87%M

FX

Shale - Black, Carb, Silty, Scat SS Grms, Sub Rd,

IH: 2322
IF: 31-42
FF: 47-69
SIP: 1057-970
FH: 2284

Shale - Gry, Silty, Trc SS Sub Rd F Gr

Conn - 4675

Ls - Wht, MedXLn, Shaly Gry, Scat Foss, NS

Ls - Tan, fXLn, Sme Scat Foss, PP Por, Very Sli SFO Sme Gas on Break, Faint Odor

Ls - Tan, MicroXLn, Scat InterXLn Por, <50% No Vis Por, N/S N/O

Ls Tan/Gry, MedXLn, InterXLn Por, Sme Scat Foss, N/S N/O

Conn - 4707

Shale - Gm, Scat black streaks, Waxy,

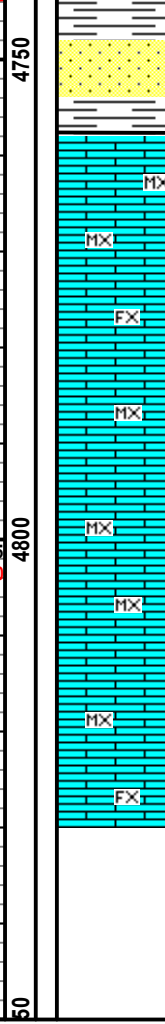
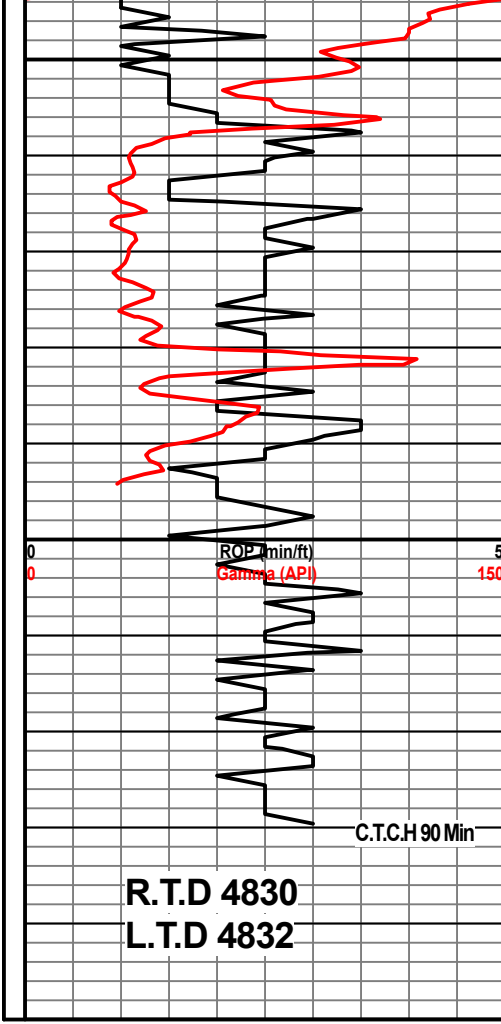
MX

Shale Green, Silty/Sandy,

Conn - 4739

SS - Wht Dol Matrix Farain RD Well sort

CFS - 4730



Britt, N/S, N/O

Miss (-1544)

Ls - tan, MicroXLn, Mostly No Vis Por

Ls, Tan, fXLn, Sme Scat InterXLn, Sli SHaly, N/S N/O

Ls - Br, MicroXLn, Mostly No Vis Por

Ls - Br, MicroXLn, Some Scat InterXLn Por, Mostly No Vis Por

Ls - Br, MicroXLn, Mostly No Vis Por

Ls - wht, fXLn, InterXLn, Sli Chalky,

- Mud Check -
Wt: 9.3
Vis: 49

Conn - 4771

Conn - 4802

5/22/2024

R.T.D 4830
L.T.D 4832