

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 Recompletion Date _____ 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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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	HERMAN 1-13
Doc ID	1801079

All Electric Logs Run

Sonic
Induction
Porosity
Microlog

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 1290

LOCATION Hoxie

FOREMAN Tam Williams

WP

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-25-24	34318	Herman 1-13	13	15	34	Govt
CUSTOMER <u>Borexco LLC</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			<u>103</u>	<u>Tam W</u>		
CITY			<u>201</u>	<u>Joske</u>		
STATE						
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 398' CASING SIZE & WEIGHT 8 3/8" 23#
 CASING DEPTH 393' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & set up an ~~white~~ southward
circulate mud. Mix 329 5x surface blend - displace 23.5 Bbl &
shot in

cement did circulate

Thanks Tam & Joske

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
<u>PL002</u>	<u>1</u>	<u>PUMP CHARGE surface</u>	<u>\$1150.00</u>	<u>\$1150.00</u>
<u>ma01</u>	<u>52</u>	<u>MILEAGE</u>	<u>\$6.50</u>	<u>\$338.00</u>
<u>mo02</u>	<u>15.93 hours</u>	<u>Tan Mileage Delivery</u>	<u>\$1,242.54</u>	<u>\$1,242.54</u>
<u>CR004</u>	<u>32.55x</u>	<u>Class A 3200 20 gal</u>	<u>\$25.50</u>	<u>\$828.50</u>
			<u>sub total</u>	<u>\$1,018.04</u>
			<u>less 5% disc.</u>	<u>450.90</u>
			<u>sub total</u>	<u>\$10,467.14</u>
			SALES TAX	<u>669.22</u>
			ESTIMATED TOTAL	<u>11136.36</u>

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.

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 1296
 LOCATION Hoxie
 FOREMAN Tam Williams

WFW *2) CC-Tony V*

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-4-24	34319	Herman 1-13	13	15	29	Gove
CUSTOMER Berecno LLC			TRUCK #		DRIVER	
MAILING ADDRESS			30112		Josh T	
CITY			103		Tom W	
STATE			201		Connor P	
ZIP CODE					Preston P	

JOB TYPE Longstring HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT 5 1/2" 15.5 #
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting + set up on South Wind. Ran float equip + hooked up. Circulated mud. Mix 150 sk lite followed by 200 sk OWC. Wash up + displace stop plug with water + mud. Release pressure - Drop dart - 20 min - pump dart - Circulate between stages 2 hrs. Mix 475 sk 30 RH 20 RH - 425 sk down hole. Washed up + displace top plug. Release pressure. Knock off - Reel up more oil

Thanks Tom + LNW

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
P004	1	PUMP CHARGE <u>longstring</u>	\$250.00	\$250.00
M001	51	MILEAGE	\$6.50	\$331.50
M002	39.38 tons	Ton Mileage Delivery	\$3012.57	\$3012.57
M004	51	Medium Truck Charge	\$1.50	\$76.50
CB021	610 sk	60/40 Bagel 1/4" Hoseal	\$17.95	\$10,949.50
CB032	200 sk	Class A 29 gal 10 Bagale 5" Hoseal	\$27.50	\$5,500.00
FE033	1	5 1/2" AFU Guide shoe	\$600.00	\$600.00
FE051	1	5 1/2" latch down plug assy.	\$695.00	\$695.00
FE014	13	5 1/2" turbolizer	\$108.00	\$1404.00
FE022	2	5 1/2" Basket	\$385.00	\$770.00
FE102	2	5 1/2" stop ring	\$35.00	\$70.00
FE080	1	5 1/2" DV Tool	\$420.00	\$420.00
			subtotal	\$37,109.07
			less 5% disc.	\$1,505.45
			subtotal	\$28,603.62
			SALES TAX	1959.40
			ESTIMATED TOTAL	30563.02

AUTHORIZATION Chase Apton TITLE Distric Engineer 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

13-15s-30w Gove, KS

2020 N Bramblewood
Wichita, KS 67202

Herman #1-13

Job Ticket: 71986

DST#: 1

ATTN: Chad Counts

Test Start: 2024.07.31 @ 23:31:00

GENERAL INFORMATION:

Formation: **LKC J-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:44:00

Time Test Ended: 07:43:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: 3818.00 ft (KB) To 3920.00 ft (KB) (TVD)

Reference Elevations: 2532.00 ft (KB)

Total Depth: 3920.00 ft (KB) (TVD)

2522.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8675 Outside

Press@RunDepth: 427.54 psig @ 3819.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.07.31

End Date: 2024.08.01

Last Calib.: 2024.08.01

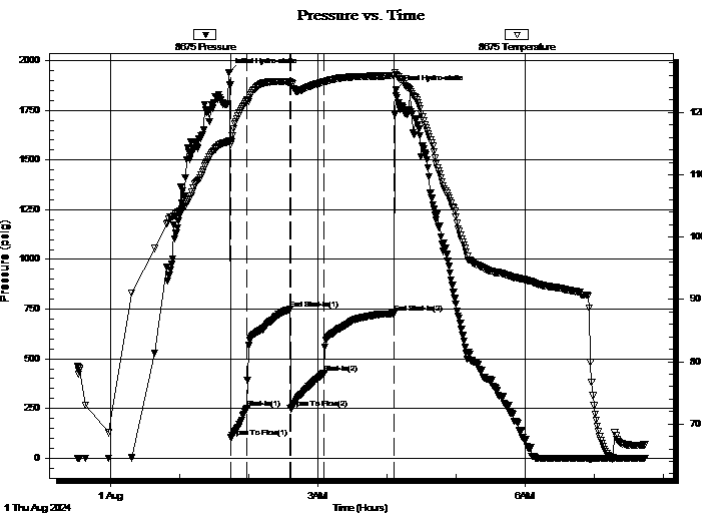
Start Time: 23:31:05

End Time: 07:43:29

Time On Btm: 2024.08.01 @ 01:42:30

Time Off Btm: 2024.08.01 @ 04:07:45

TEST COMMENT: IF-15- BOB in 2.5 min, built to 80.65"
 SI1-37- BOB in 5 min, built to 29.75" in 23 min, died back to 29.01"
 FF-30- From 29.01" built to 117.04"
 SI2-60- Return built to .28", died in 32 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1940.70	115.43	Initial Hydro-static
2	104.69	114.93	Open To Flow (1)
16	251.28	121.88	Shut-In(1)
53	748.40	124.88	End Shut-In(1)
54	250.03	124.70	Open To Flow (2)
83	427.54	124.90	Shut-In(2)
144	728.33	125.91	End Shut-In(2)
146	1852.35	126.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
347.00	GO 25% gas 75% oil	4.87
254.00	GMCO 20% gas 55% oil 25% mud (heavy)	3.56
317.00	VSMCGO 20% gas 77% oil 3% mud (heavy)	4.451
96.00	MWCGO 15% Gas 65% oil 17%W 3%M	1.35/oil
30.00	VSMCW 3% mud 97% water	0.42
0.00	508' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

13-15s-30w Gove, KS

2020 N Bramblewood
Wichita, KS 67202

Herman #1-13

Job Ticket: 71986

DST#: 1

ATTN: Chad Counts

Test Start: 2024.07.31 @ 23:31:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

22000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
347.00	GO 25% gas 75% oil	4.867
254.00	GMCO 20% gas 55% oil 25% mud (heavy oil)	3.563
317.00	VSMCGO 20% gas 77% oil 3% mud (heavy o	4.447
96.00	MWCGO 15% Gas 65% oil 17%W 3%M Heav	1.347
30.00	VSMCW 3% mud 97% w ater	0.421
0.00	508' GIP	0.000

Total Length: 1044.00 ft Total Volume: 14.645 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

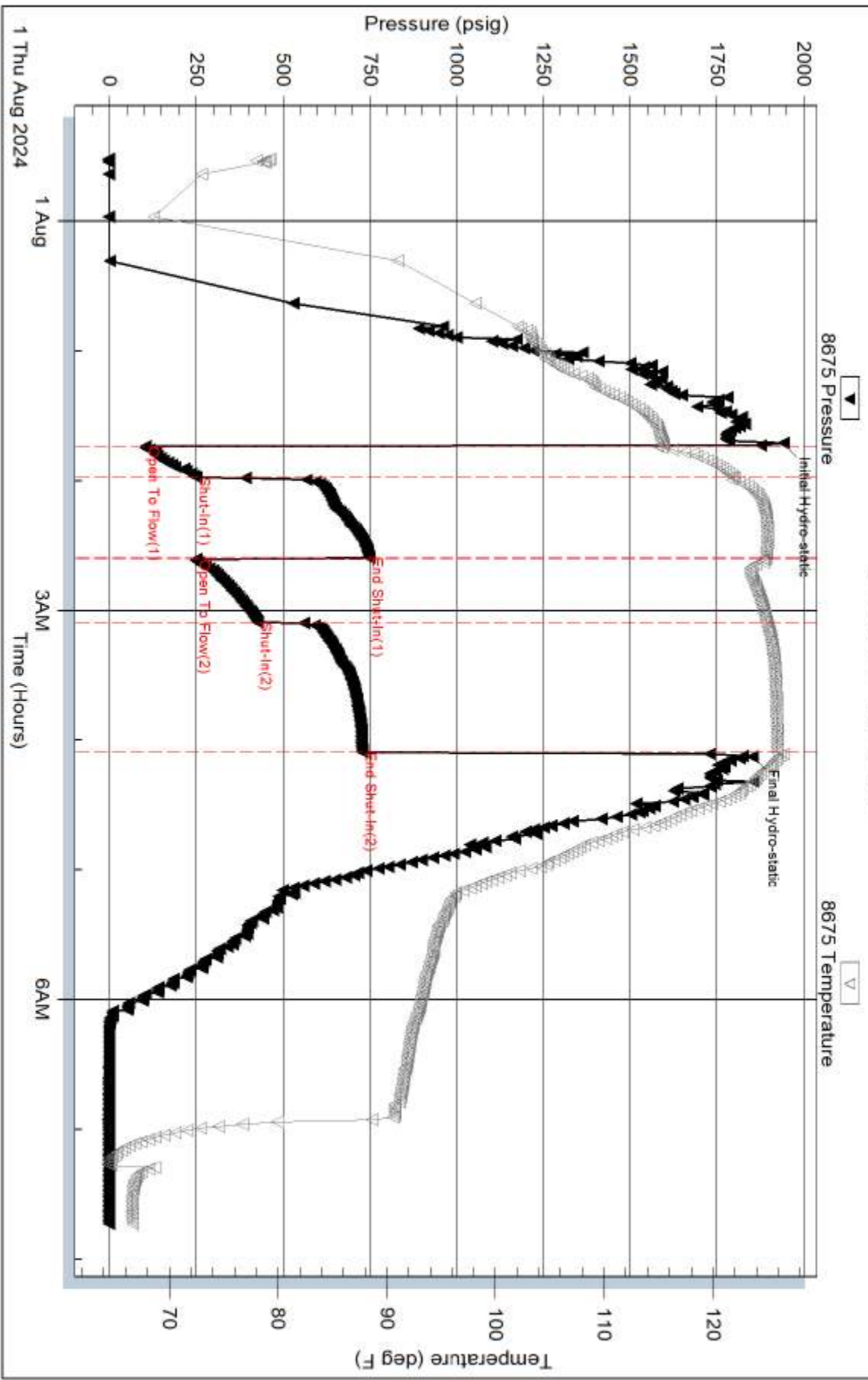
Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM

Could not get gravity on heavy oil

Pressure vs. Time



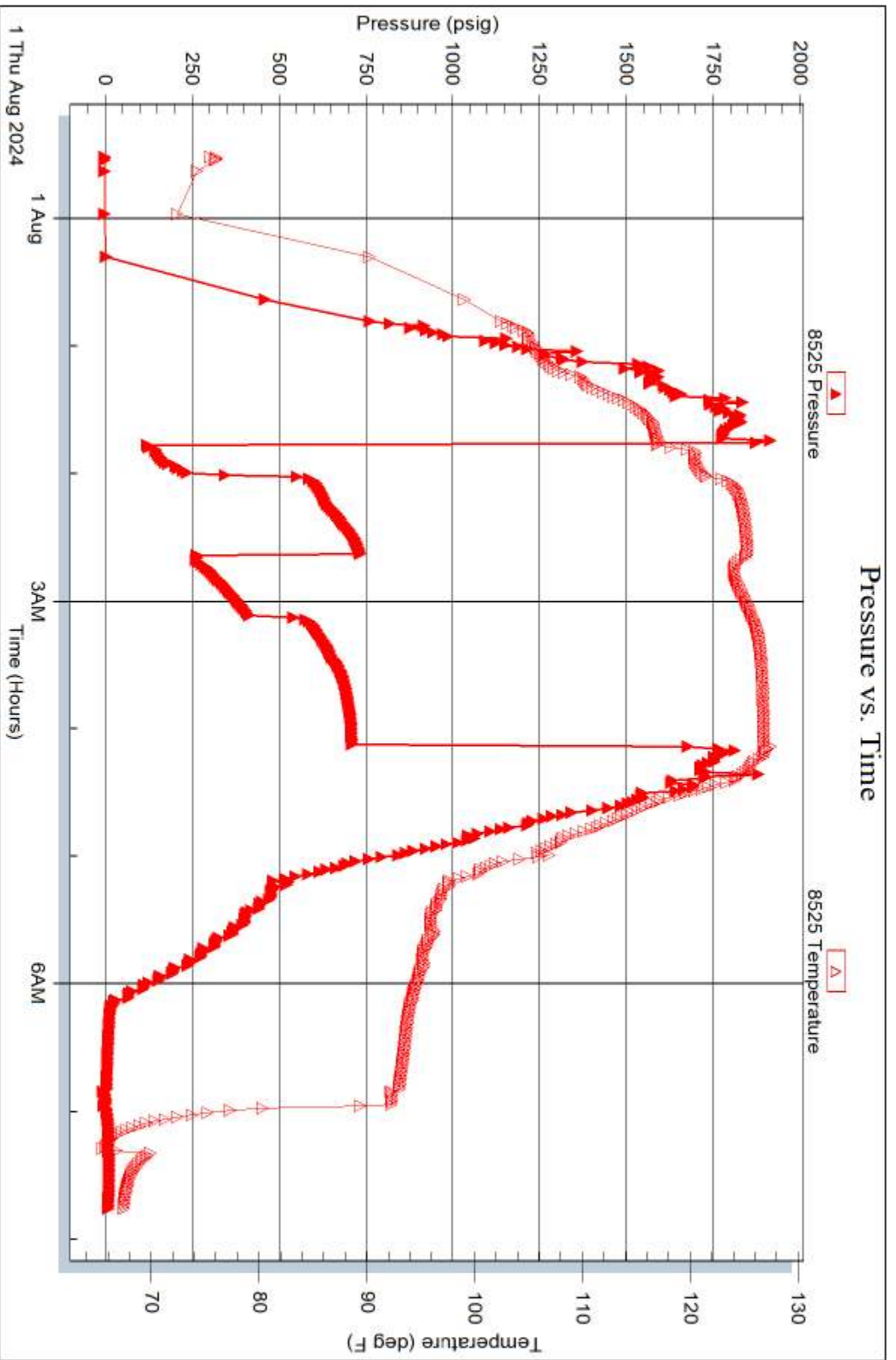
Serial #: 8525

Inside

Berexco LLC

Herman #1-13

DST Test Number: 1





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco LLC

13-15s-30w Gove, KS

2020 N Bramblewood
Wichita, KS 67202

Herman #1-13

Job Ticket: 71987

DST#: 2

ATTN: Chad Counts

Test Start: 2024.08.02 @ 05:56:00

GENERAL INFORMATION:

Formation: **Myric station-Ft. Sc**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:47:45

Time Test Ended: 12:54:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 4070.00 ft (KB) To 4134.00 ft (KB) (TVD)

Reference Elevations: 2532.00 ft (KB)

Total Depth: 4134.00 ft (KB) (TVD)

2522.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 10.00 ft

Serial #: 8525

Inside

Press@RunDepth: 22.51 psig @ 4071.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.08.02

End Date: 2024.08.02

Last Calib.: 2024.08.02

Start Time: 05:56:05

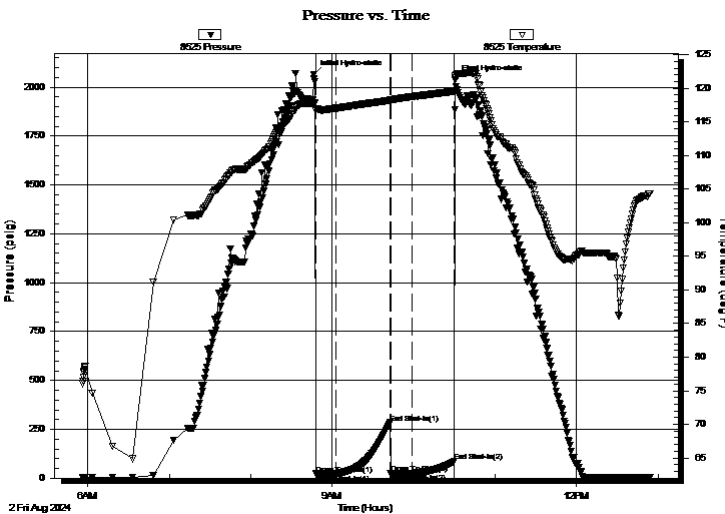
End Time: 12:54:14

Time On Btm: 2024.08.02 @ 08:46:30

Time Off Btm: 2024.08.02 @ 10:30:45

TEST COMMENT: IF-15- Built to .30
SI1-40- No return
FF-15- No blow
SI2-30- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2065.08	117.80	Initial Hydro-static
2	21.06	116.64	Open To Flow (1)
17	21.94	117.04	Shut-In(1)
56	283.31	118.23	End Shut-In(1)
57	22.38	118.24	Open To Flow (2)
72	22.51	118.74	Shut-In(2)
104	85.32	119.58	End Shut-In(2)
105	2038.89	121.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%	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 67202
ATTN: Chad Counts

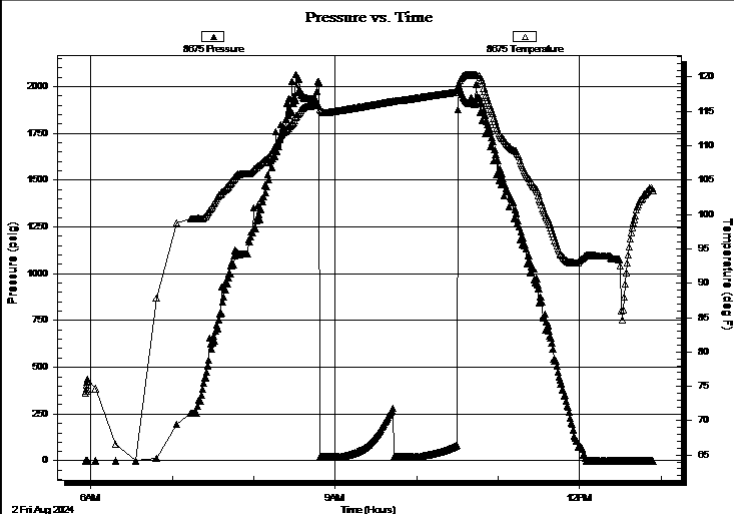
13-15s-30w Gove, KS
Herman #1-13
Job Ticket: 71987 **DST#: 2**
Test Start: 2024.08.02 @ 05:56:00

GENERAL INFORMATION:

Formation: Myric station-Ft. Sc	
Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 08:47:45	Tester: Dustin Day
Time Test Ended: 12:54:15	Unit No: 70
Interval: 4070.00 ft (KB) To 4134.00 ft (KB) (TVD)	Reference Elevations: 2532.00 ft (KB)
Total Depth: 4134.00 ft (KB) (TVD)	2522.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition:	KB to GR/CF: 10.00 ft

Serial #: 8675	Outside		
Press@RunDepth: psig @ 4071.00 ft (KB)	Capacity: 8000.00 psig		
Start Date: 2024.08.02	End Date: 2024.08.02	Last Calib.: 2024.08.02	
Start Time: 05:56:05	End Time: 12:54:14	Time On Btm:	Time Off Btm:

TEST COMMENT: IF-15- Built to .30
SI1-40- No return
FF-15- No blow
SI2-30- No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%	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

13-15s-30w Gove, KS

2020 N Bramblewood
Wichita, KS 67202

Herman #1-13

Job Ticket: 71987

DST#: 2

ATTN: Chad Counts

Test Start: 2024.08.02 @ 05:56:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM

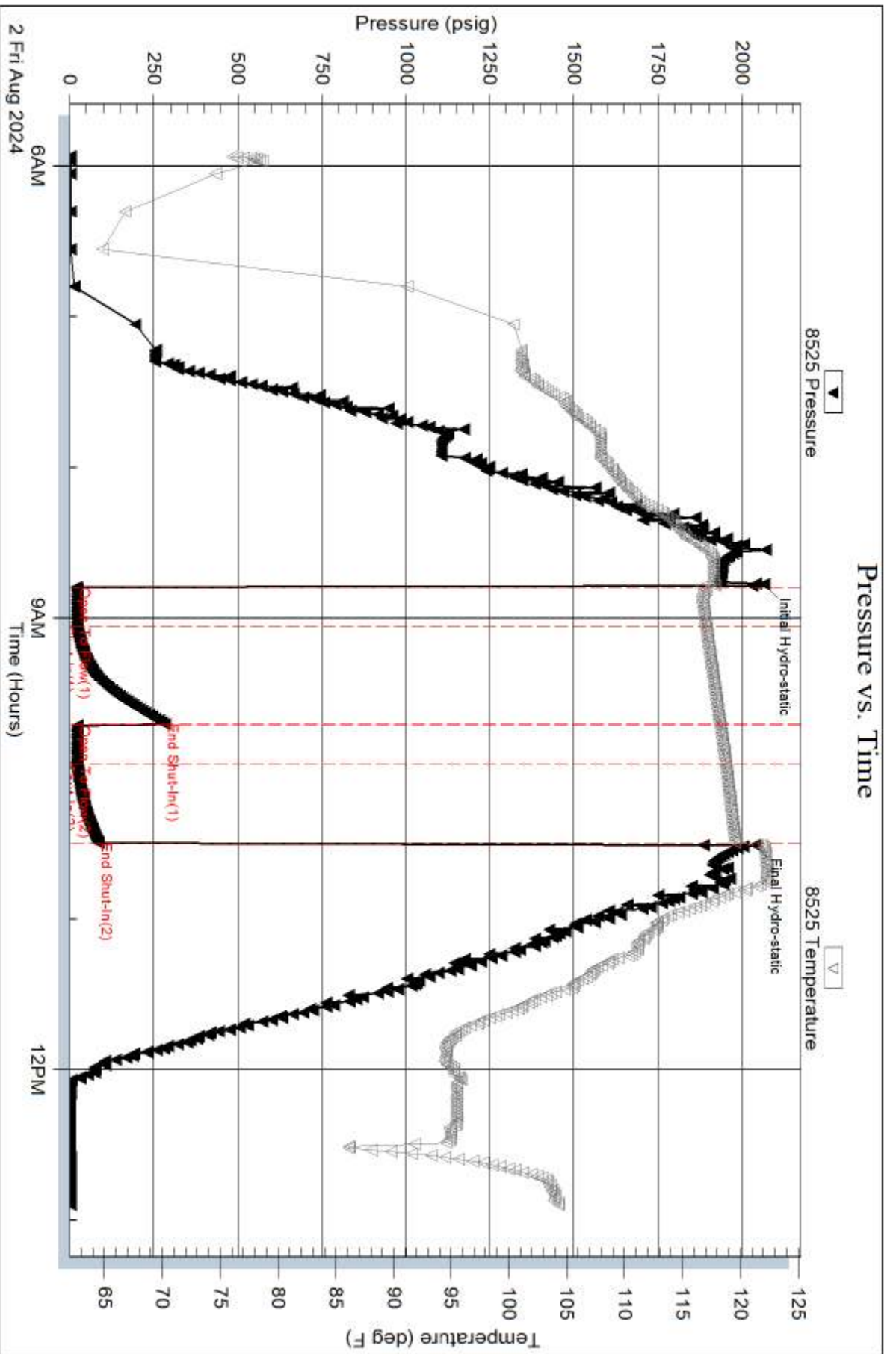
Serial #: 8525

Inside

Berexco LLC

Herman #1-13

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 71987

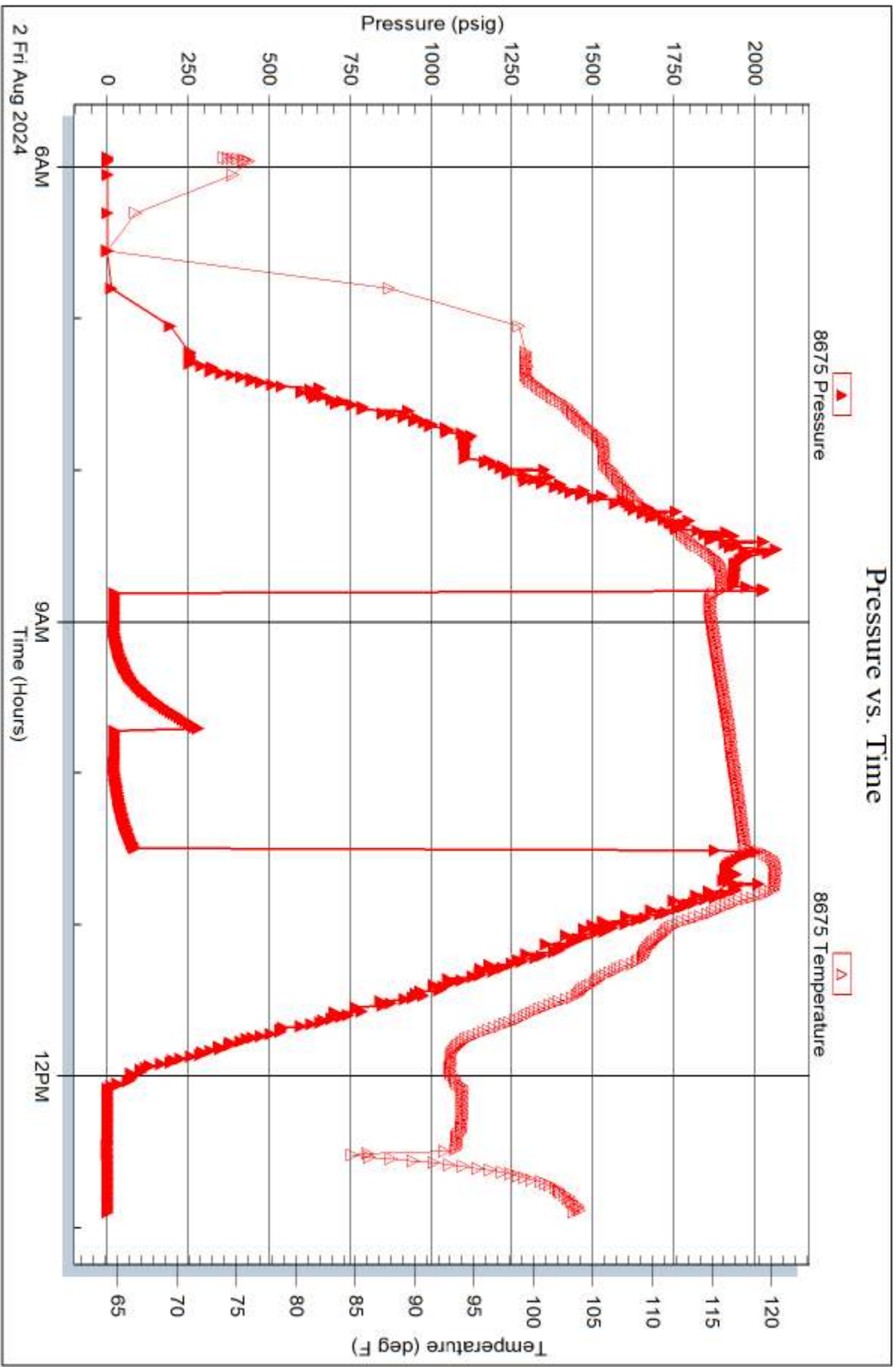
Printed: 2024.08.02 @ 14:00:07

Serial #: 8675

Outside Berexco LLC

Herman #1-13

DST Test Number: 2





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco LLC

13-15s-30w Gove, KS

2020 N Bramble ood
Wichita, KS 67202

Herman #1-13

Job Ticket: 71988

DST#: 3

ATTN: Chad Counts

Test Start: 2024.08.03 @ 06:31:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:20:30

Time Test Ended: 13:48:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 4210.00 ft (KB) To 4287.00 ft (KB) (TVD)

Reference Elevations: 2532.00 ft (KB)

Total Depth: 4287.00 ft (KB) (TVD)

2522.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 10.00 ft

Serial #: 8675 Outside

Press@RunDepth: 78.09 psig @ 4211.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.08.03

End Date: 2024.08.03

Last Calib.: 2024.08.03

Start Time: 06:31:05

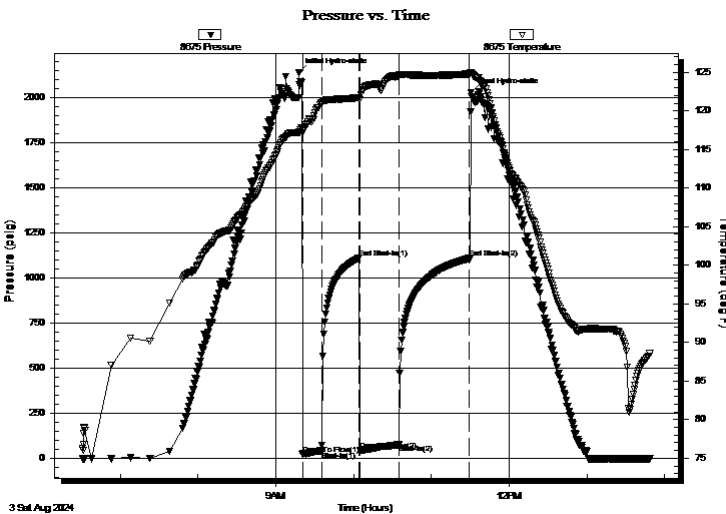
End Time: 13:48:14

Time On Btm: 2024.08.03 @ 09:18:00

Time Off Btm: 2024.08.03 @ 11:30:30

TEST COMMENT: IF- 15- built to 4.22"
SI1-30- No return
FF-30- Built to 5.86"
SI2-55- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2140.52	117.26	Initial Hydro-static
3	25.01	117.15	Open To Flow (1)
18	43.19	121.01	Shut-In(1)
47	1112.66	121.71	End Shut-In(1)
47	45.77	121.45	Open To Flow (2)
77	78.09	124.55	Shut-In(2)
132	1110.25	124.76	End Shut-In(2)
133	2028.10	124.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
129.00	mud 100%	1.81

* 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

13-15s-30w Gove, KS

2020 N Bramblewood
Wichita, KS 67202

Herman #1-13

Job Ticket: 71988

DST#: 3

ATTN: Chad Counts

Test Start: 2024.08.03 @ 06:31:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
129.00	mud 100%	1.810

Total Length: 129.00 ft

Total Volume: 1.810 bbl

Num Fluid Samples: 0

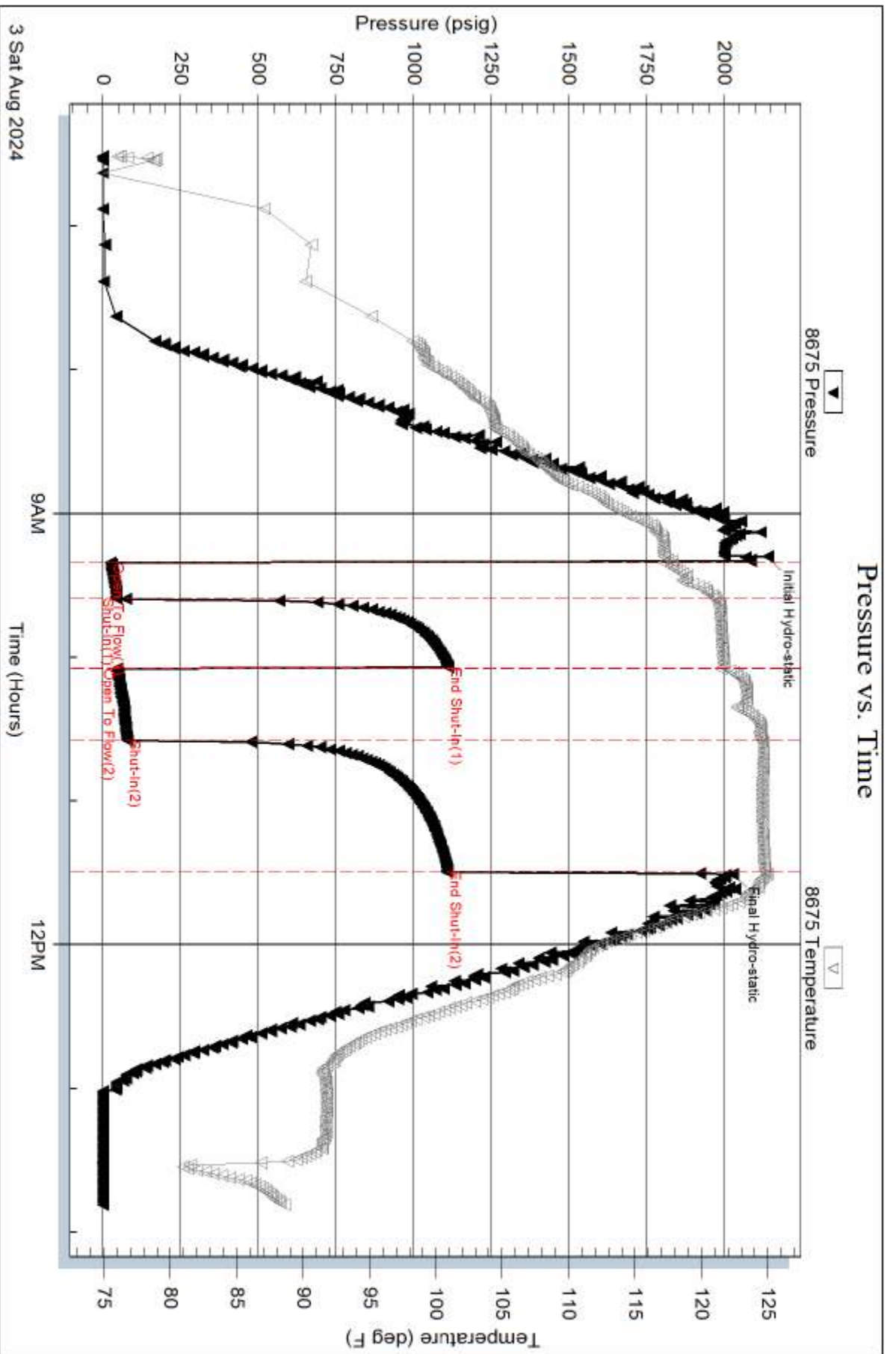
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM



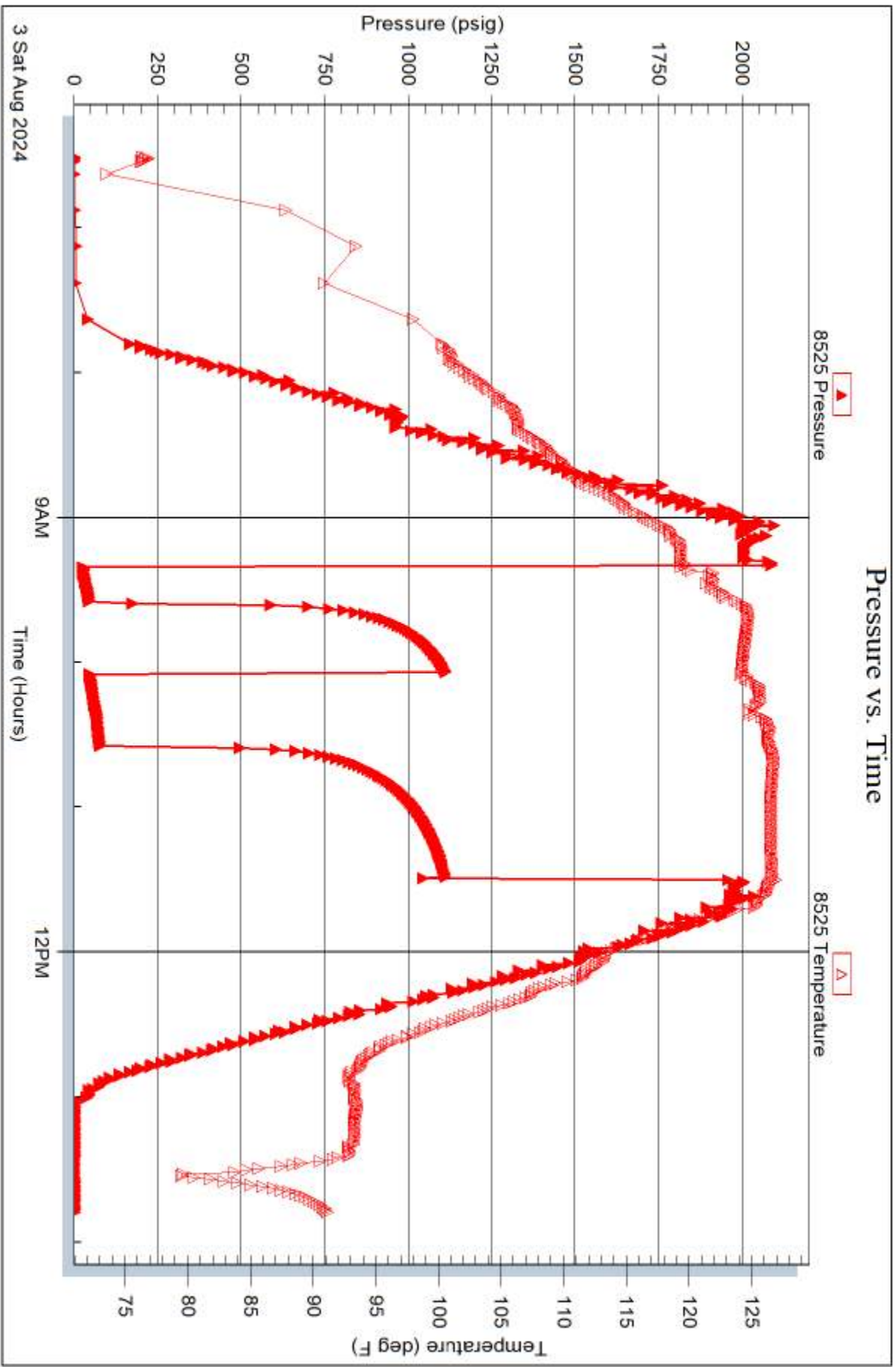
Serial #: 8525

Inside

Berexco LLC

Herman #1-13

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 71988

Printed: 2024.08.03 @ 15:38:36



BEREXCO

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

Well Name: Herman 1-13
API: 15-063-22446
Location: SE NE SW NE Sec 13, T15S, R30W
License Number: 34318
Spud Date: 7/25/24
Surface Coordinates: 38.753175, -100.601435

Region: Gove Co.
Drilling Completed: 8/3/24

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 2517
Logged Interval (ft): 3300 **To:**
Formation: Mississippian
Type of Drilling Fluid: Bentonite gel

K.B. Elevation (ft): 2527
Total Depth (ft): 4310'

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

OPERATOR

Company: Berexco LLC
Address: 2020 N Bramblewood
Wichita, Ks 67202

GEOLOGIST

Name: Chad Counts
Company: MG Oil, Inc.
Address: P.O. 162
Russell, Ks 67665

Comments

The Herman 1-13 was drilled with Southwind Rig #8 rotary tools commencing 7-25-24, and total depth was reached 8-3-24 .

The well ran significantly higher than surrounding dry holes. Owing to the results of DST #1 over the LKC K interval, it was elected by all parties to further test the well through 5 1/2 " casing.

Respectfully submitted,

Chad Counts

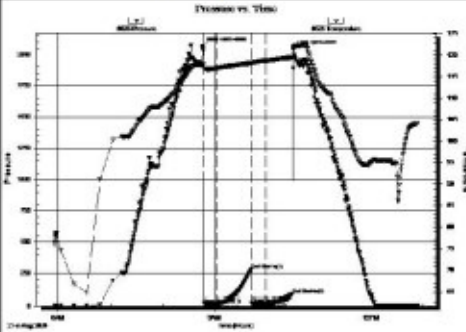
GENERAL INFORMATION:																																									
Formation: LKC J-L Deviated: No Whipstock: ft (KB) Time Tool Opened: 01:44:00 Time Test Ended: 07:43:30 Interval: 3818.00 ft (KB) To 3920.00 ft (KB) (TVD) Total Depth: 3920.00 ft (KB) (TVD) Hole Diameter: 7.88 inchesHole Condition:	Test Type: Conventional Bottom Hole (Initial) Tester: Dustin Day Unit No: 70 Reference Elevations: 2532.00 ft (KB) 2522.00 ft (CF) KB to GR/CF: 10.00 ft																																								
Serial #: 8675 Outside Press@RunDepth: 427.54 psig @ 3819.00 ft (KB) Capacity: 8000.00 psig Start Date: 2024.07.31 End Date: 2024.08.01 Last Calib.: 2024.08.01 Start Time: 23:31:05 End Time: 07:43:29 Time On Btm: 2024.08.01 @ 01:42:30 Time Off Btm: 2024.08.01 @ 04:07:45																																									
TEST COMMENT: F-15- BOB in 2.5 min, built to 80.65" S11-37- BOB in 5 min, built to 29.75" in 23 min, died back to 29.01" FF-30- From 29.01" built to 117.04" S2-60- Return built to .28", died in 32 min																																									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: left;">PRESSURE SUMMARY</th> </tr> <tr> <th>Time (Min.)</th> <th>Pressure (psig)</th> <th>Temp (deg F)</th> <th>Annotation</th> </tr> </thead> <tbody> <tr><td>0</td><td>1940.70</td><td>115.43</td><td>Initial Hydro-static</td></tr> <tr><td>2</td><td>104.69</td><td>114.93</td><td>Open To Flow (1)</td></tr> <tr><td>16</td><td>251.28</td><td>121.88</td><td>Shut-in(1)</td></tr> <tr><td>53</td><td>748.40</td><td>124.88</td><td>End Shut-in(1)</td></tr> <tr><td>54</td><td>250.03</td><td>124.70</td><td>Open To Flow (2)</td></tr> <tr><td>83</td><td>427.54</td><td>124.90</td><td>Shut-in(2)</td></tr> <tr><td>144</td><td>728.33</td><td>125.91</td><td>End Shut-in(2)</td></tr> <tr><td>146</td><td>1852.35</td><td>126.04</td><td>Final Hydro-static</td></tr> </tbody> </table>	PRESSURE SUMMARY				Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	0	1940.70	115.43	Initial Hydro-static	2	104.69	114.93	Open To Flow (1)	16	251.28	121.88	Shut-in(1)	53	748.40	124.88	End Shut-in(1)	54	250.03	124.70	Open To Flow (2)	83	427.54	124.90	Shut-in(2)	144	728.33	125.91	End Shut-in(2)	146	1852.35	126.04	Final Hydro-static
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GENERAL INFORMATION:

Formation: **Myric station-Ft. Sc**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:47:45
 Time Test Ended: 12:54:15
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Dustin Day
 Unit No: 70
 Interval: **4070.00 ft (KB) To 4134.00 ft (KB) (TVD)**
 Total Depth: 4134.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 10.00 ft
 Reference Elevations: 2532.00 ft (KB)
 2522.00 ft (CF)

Serial #: 8525 Inside
 Press@RunDepth: 22.51 psig @ 4071.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2024.08.02 End Date: 2024.08.02 Last Calib.: 2024.08.02
 Start Time: 05:56:05 End Time: 12:54:14 Time On Blrm: 2024.08.02 @ 08:46:30
 Time Off Blrm: 2024.08.02 @ 10:30:45

TEST COMMENT: F-15- Built to .30
 S11-40- No return
 FF-15- No blow
 S2-30- No return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2065.08	117.80	Initial Hydro-static
2	21.06	116.64	Open To Flow (1)
17	21.94	117.04	Shut-In(1)
56	283.31	118.23	End Shut-In(1)
57	22.38	118.24	Open To Flow (2)
72	22.51	118.74	Shut-In(2)
104	85.32	119.58	End Shut-In(2)
105	2038.89	121.84	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	mud 100%	0.07

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

* Recovery from multiple tests

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:20:30
 Time Test Ended: 13:48:15
 Interval: **4210.00 ft (KB) To 4287.00 ft (KB) (TVD)**
 Total Depth: 4287.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches -hole Condition: KB to GR/CF: 10.00 ft

Test Type: Conventional Bottom Hole (Reset)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 2532.00 ft (KB)
 2522.00 ft (CF)

Serial #: 8675 Outside
 Press@RunDepth: 78.09 psig @ 4211.00 ft (KB)
 Start Date: 2024.08.03 End Date: 2024.08.03
 Start Time: 06:31:05 End Time: 13:48:14
 Capacity: 8000.00 psig
 Last Calib.: 2024.08.03
 Time On Btmr: 2024.08.03 @ 09:18:00
 Time Off Btmr: 2024.08.03 @ 11:30:30

TEST COMMENT: F- 15- built to 4.22"
 S1-30- No return
 FF-30- Built to 5.86"
 S2-55- No return

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2140.52	117.26	Initial Hydro-static
3	25.01	117.15	Open To Flow (1)
18	43.19	121.01	Shut-in(1)
47	1112.66	121.71	End Shut-in(1)
47	45.77	121.45	Open To Flow (2)
77	78.09	124.55	Shut-in(2)
132	1110.25	124.76	End Shut-in(2)
133	2028.10	124.97	Final Hydro-static

Length (ft)	Description	Volume (bbl)
129.00	mud 100%	1.81

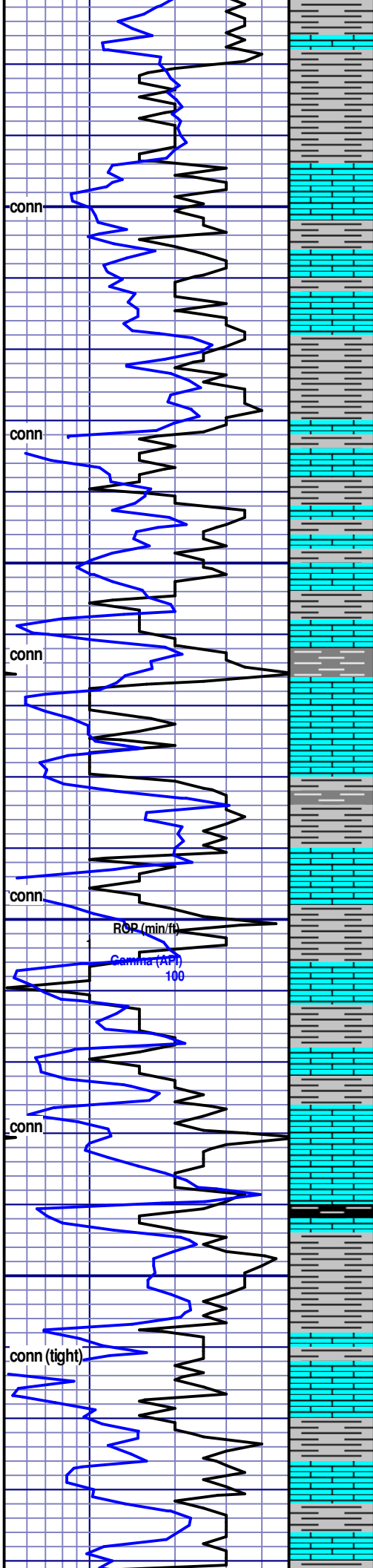
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests

ROCK TYPES

	Anhy		Coal		Igne		Mrlst		Shgy
	Bent		Oolitic limestone		Dark grey shale		Salt		Sltst
	Brec		Congl		Black shale		New symbol		Ss
	Cht		Dol		Lmst		Shale		Till
	Clyst		Gyp		Meta		Schol		

Curve Track 1 ROP (min/ft) Gamma (API)	Lithology	Oil Shows	MD	DST	Straddle DST	Porosity Type	Image	Geological Descriptions	Remarks
		32							



3300

3350

3400 MD

3450

7/29/24-6:20pm Geologist on location @ 3120'.

Finished displacement.

MW 8.8
VIS 64
4# LCM

Ls: grey, beige, fn xln, brittle, mod arg, sl marl, occ scat fos clasts, no vis por, NSOC. 25% Sh: med grey, platy, brittle, sl calc. 1-2% Blk sh: firm, platy, mod carb.

Ls: lt grey, beige, fn xln-micro xln most dense w/litho tex, few f fn xln, brittle, poor vis por, occ scat fos clasts, trc scat org mat, sl marl. 40% Sh: motld, fissile, sub platy, sl calc, sl carb.

PP: 900psi
SPM:58
RPM: 75
WOB: 36-38k

Ls: cream, beige, lt grey, fn-micro xln, very brittle, p vis por, sl arg-mod arg, sl marl, scat fusulinid, trc pp vuggy por, NSOC. 30% sh: lt-med grey, sub platy, fissile, occ sl silty.

Mudco Check
7/30/24-8:40am
MW 8.6
VIS 59

Ls: cream, beige, micro-fn xln, most dense, litho tex, no vis por, sl marl, trc scat fos clasts, NSOC. 10% Sh: lt grey, platy, smooth.

Ls: cream, beige, micro xln, dense-occ brittle, most litho tex, no vis por, few w/gils stn org mtd or mat?, NSOC. 10% Sh: lt-me grey, subplaty.

Filtrate:6.4
Chlorides:1400ppm
2# LCM

Ls: beige, cream, lt grey, fn xln-micro xln, most litho tex, trc packstone, v p-no sec por, dense, few w/org mat. 20% dk grey & black shale, mod carb, platy, firm.

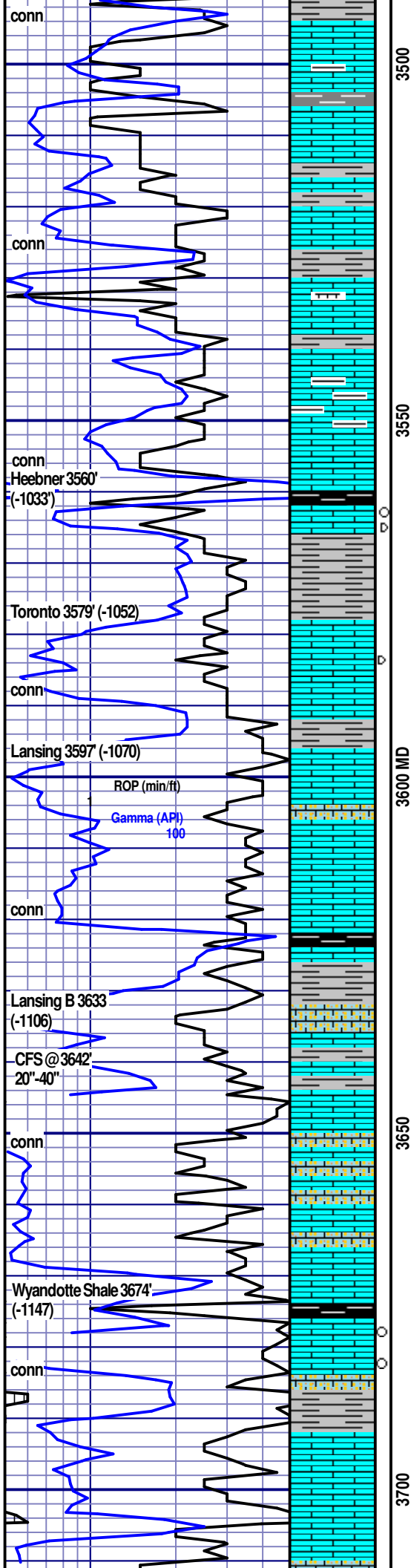
Ls: beige, lt grey, micro xln, dense, litho-earthy tex, mod arg, occ scat isolated fos clast, no vis por, NSOC. 40% Sh: med-lt grey, soft-firm, subplaty-platy, sl calc.

Ls: cream, off white, fn xln, most litho tex, v sl arg, sl-mod marl, occ oolitic~250 microns, w std, gm tex, poor-no vis sec por, NSOC. <10%Sh.

MW 8.8
Vis 53
2# LCM

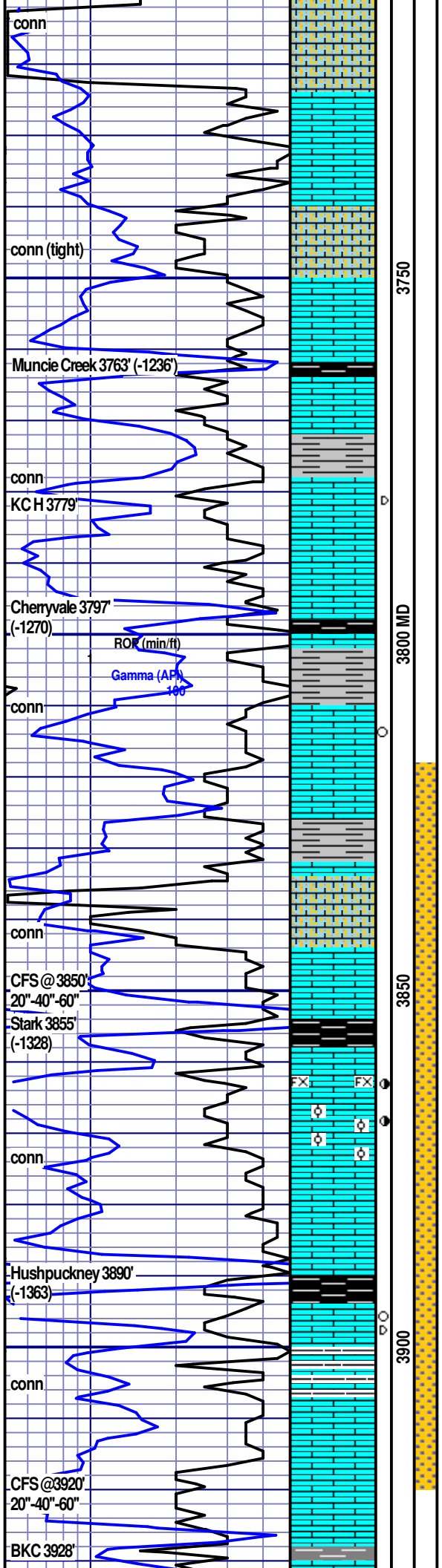
Ls: lt grey, fn xln, dense, sl arg, v sl marl, occ oolitic, 250-350 microns, mod std, no vis sec por, litho-gran tex, NSOC.

Ls: cream lt grey off white, micro xln, occ oolitic a/a r scat



Ls: cream, lt grey, off white, micro xln, occ. oolitic, r scat pp por, v p sec por, sl-mod marl, v sl arg, NSOC. 10% Sh: med-dk grey.
 Ls: grey, cream, fn xln, mod-hvy arg, mod dense, earthy tex, scat fos frag, no vis por, NSOC.
 Ls: 25% cream, off white, fn xln, sl sucrosic, gran tex, brittle, mod marl matrix, trc scat fos frag, NSOC. 75% Ls: lt grey-cream, sl arg, litho tex, no vis por, NSOC.
 Ls: cream, off white, micro xln, dense, no vis por, sl marl, r scat fos frag, v hard, NSOC.
 Ls: beige lt grey, micro xln, v dense, no vis por, hard, sl marl, NSOC.
 Ls: lt grey, beige, lt brown, fn-micro xln, several packstone w <250micron clasts, dense, hrd, p vis sec por, sl-mod marl, sl cherty (translucent), NSOC.
 Ls: lt grey-brown, several specks org mat, brittle, mod marl in matrix, occ grainstone w/clasts <250microns, p std, p vis sec por, NSOC.
 Ls: lt grey-brown, fn xln, brittle, sl-mod marl matrix, poor scat pp vuggy por, scat fos frag, occ gs, scattered dead org mat and dead oil stn, no free oil, faint ques odor. 5% Blk sh: firm, platy very carb.
 Sh: lt grey, block-platy, firm-occ soft, light grey wash, occ calc.
 Ls: cream, off white, micro xln, dense, most litho tex, no vis por, few cuttings vfxln, mod hard, sl-mod arg, v poor-no vis por, scattered dead stain, no odor or free oil.
 Ls: cream, off white, micro xln, very dense, no vis por, sl marl, litho tex, sl cherty (cream, opaque), trc dead edge stn, NSOC. Sh: lt grey, blocky, firm, blocky, mod calc, sl grey wash.
 Lansing Aphi: oolitic grainstone, creamy white, w std, 350-500 microns, v dense, hard, no vis sec por, micro xln mtrix, NSOC.
 Ls: creamy-white, micro xln, v dense, litho tex, sl marl, occ scat fusulinids, v sl marl, sl cherty, NSOC.
 5% dk grey sh-blk sh, platy, very firm, mod carb. Calcareous sh: med gry-grey, firm, blocky, brittle, dense, non carb. Sh: lt grey, soft, smooth, lt grey wash. 80% Ls: cream, micro xln, dense, no vis por.
 Lansing B: oolitic gs, 350-500 microns, w. std, w cemented, occ. brittle w/marl mtrix, NSOC.
 Ls: cream, off white, micro xln, sl marl, occ sub oolitic, p std, occ scat pp vugs up to 500 microns, NSOC, no odor.
 Ls: cream, off white, micro xln mtrix, most dense, litho tex, 25% oolitic, 350-500 microns, w std, w. cemented, r isolate pp vugs, sl marl, NSOC.
 Ls: cream, micro xln, v dense, no vis por, r scat isolated pp vug, sl cherty, sl marl, NSOC.
 Ls: cream, lt grey-brown, micro xln, dense, r pp scat vug, occ oolitic, 350-500micron, mod std, no vis sec por, one cutting w/v spotty dead stn, NFOC, no odor.
 KC E: <1% oolitic Ls: cream, beige, lt brown, fn xln matrix, mod st, mod cemented, tight, very p scat micro-pp por, very spty scat stn, one cutting w/vsfo upon crush, no odor.
 Ls: cream, beige, lt grey, micro xln, very dense, r scat pp vug, sl marl, NSOC.
 Ls: cream, micro xln, dense, trc scat fos frag, occ oolitic, 500-750 microns, poor-fair oomoldic por, NSOC.

PP: 900psi
 SPM: 58
 RPM: 75
 WOB: 36k
 MW 8.8
 VIS 51
 2# LCM
 MW 8.8
 Vis 50
 2# LCM
 MW 8.8
 VIS 45
 1# LCM
 PP: 800psi
 RPM: 75
 SPM: 58
 WOB: 38
 MW 8.8
 VIS 49
 3# LCM



KC G: Oolitic Ls: beige, cream, lt brown, fn xlm mtrx, excellent oomoldic porosity, honeycomb texture, fair-w. std, 500-750micron molds, occ. calc filled por, NSFOC.

Ls: cream, lt grey, micro xln mtrx, very dense, hrd, r scat isolate vug, occ oolitic, 500-750 micron ooids, v poor-no sec por, NSOC.

Oolitic Ls: brown, patchy white, poor fair oomoldic por, 350-500 micron molds, much of porosity w/re-xln calc, v poor connectivity, NSFOC.

Ls: cream, off white, lt grey, micro xln, dense, sl-mod marl, no vis por, trc scat fos frag, trc chert, NSOC.

Ls: light grey, beige, lt brown-brown, micro xln-fn xln, occ mottled org mat, most litho tex, dense, scat fos frag, very poor-no por, NSFOC. 10% Black sh: firm platy, carb.

Sh: blue-grey, turquoise, sub platy, smooth, non carb.

Ls: cream, dk brown, grey, micro xln, very dense, sl cherty, abndnt scat isolated fos frag, r. isolated pp vug, two cutting w spotty dea edge stain, no free oil or odor.

Ls: cream, beige, micro xln ense, trc scay fos frag, no vis por, sl marl, NSOC. Sh: dk-grey-blk, sub pty, mof firm, sl carb.

Ls: cream, beige, lt brn, micro xln, very dense, sl, arg, litho tex, no vis por, occ scat fos frag, cherty (white, brown-opaque), NSOC.

Ls: cream, beige, micro xln, dense, litho tex, r. scat fos frag, sl pyrite, sl cherty, 2 cuttings found with partial fn re-xln edge, very spotty stain, no odor or free oil.

Ls: cream, beige, lt grey, micro xln, occ grainstone, fossil hash, most litho tex, very dense, no vis sec por, micro xln mtrx, sl cherty, NSOC. Sh: med grey, soft, blocky, no calc.

KC J Phi: Beige, cream, oomoldic, 500-700micron molds, very scattered dissolution, mod std, poor-fair moldic porosity, NSFOC, no odor. 1 cutting fn xln, poor inxl por, brittle, sl marl, vssfo upon crush.

Ls: cream, beige, micro xln, dense, no vis por, occ oolitic, no sec por, NSOC.
Black sh: firm, platy, very carb, good oil odor in sample.

K porosity: <2% off white, vfxln, v brittle, easily crushed, p vis por, very spotty and scattered oil stain, occ stringy dead stain, few cuttings VSSFO upon crush, fair-good oil odor in sample, no free oil in cup.

Ls: cream, lt grey, beige, micro xln, dense, occ. hvy arg, occ oolitic, 350-500 microns, gran tex, no vis sec por, NSOC, faint odor in sample.

10% Blk sh: firm, hard, platy, v carb. Ls: beige, lt grey, micro xln-vfn xln, dense, sl cherty (white) occ scat fos frag, poor vis por, sl marl, trc dead stain, NFOC.

Shly Ls: lt grey, grey, micro xln, abndnt scat fos frag, p-no vis por, v arg, dense, NSOC.

Shly Ls: med grey, fn-micro xln, hvy arg, trc scat fos frag, p-no vis por, NSOC.

Ls: lt grey, beige, fn-micro xln, dense, most litho-earthy tex, no vis por, mod-hvy arg, cherty (white), occ fos frag, NSOC.

10% Blk sh: firm, hard, very platy, svrl w/ferrous Fe stn, abndnt pvrite, mod carb. 80% Ls: crm. lt arv. dnse, occ

MW 8.8
Vis 50
3# LCM

Mudco Check:
7/31/24
MW 8.8
VIS 54
Filtrate 7.2
Chlorides:2000ppm
2# LCM

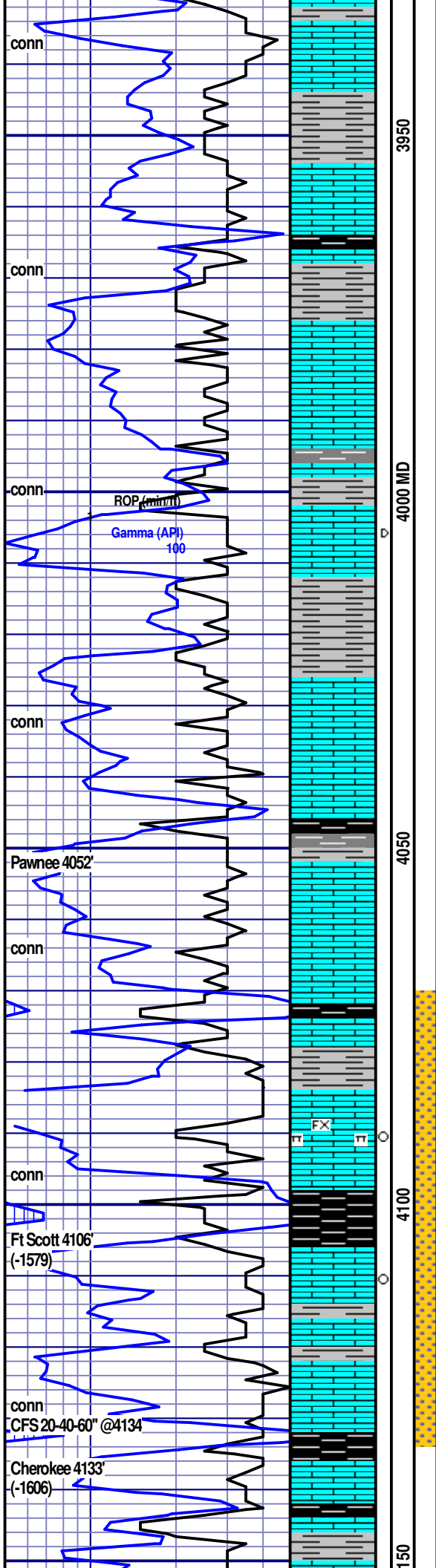
PP 800psi
SPM 58
RPM 70-80
WOB 36-38k

MW 8.8
VIS 54
2# LCM

MW 8.8
VIS 54
2# LCM

Survey=1.75 degree
Strap=2.73' board short.

DST #1
KC J-KC L
3818'-3920'
15-37-30-60
IFP:105-251psi
ISIP:748psi
FFP:250-428psi
FSIP:728psi
Recovered:
508' GIP
347' GO (75%O)
254' VSMCGO (55%O,25%M)
317' VSMCGO (77%O,3%M)
96' MWCGO (65%O,3%M,17%W)
30' VSMCW (97%W,3%M)
Chlorides:22,000
Gravity:35 API
(5 stands contained tarry oil)



oolitic, cherty, no vis sec por, mod marl, sl-mod arg, NSOC. Sh: lt gry, gry gm, subplaty, sft, non carb.

Ls: grey, beige-lt brown, micro xln, dense, mtld/earthy tex, mod marl in try, mod-hvy arg, no vis por, NSOC. Sh: med grey, soft, subplaty, non calc.

Ls: beige, lt grey-off white, agr, micro xln, dense, occ gs-250-350 micron clast, p std, r pp vug, p-no sec por, NSOC.

Blk sh: firm, platy, mod carb. Sh: grey-green, grey, soft, subplaty-blocky. Ls: A/A

Ls: lt grey, cream, beige, micro xln, dense, no vis por, trc scat fos frag, sl pyrite, NSOC. Sh: lt grey, soft, blocky, non calc, non carb.

Ls: cream, lt grey, micro xl, sl marl, sl-mod arg, dense, litho tex, NSOC.

Ls: beige, lt grey, micro xln, dense, occ mtld, sl marl, v dense, litho-glassy tex, sl arg, NSOC. Sl pyrite and chert.

Ls: cream, beige, lt grey, micro xln, v dense, occ fos frag, sl-mod marl, occ pyrite, NSOC. 30% Sh: grey-med grey, v firm-brittle, mod calc, blocky-subplaty.

Ls: a/a 2 cutting w/ dead edge stn, NFOC. Sh: med-lt grey, maroon, platy-subplaty, mod soft, occ calc.

Sh: lt grey, grey, maroon, subplaty, soft, smooth, occ sl calc, occ mtld, fissile. Ls: cream, lt grey, micro xln, mod arg, v dense.

Ls: cream, beige, lt grey, micro xln, trc ool gs, 250-350 microns, w std, no vis sec por, v dense, sl cherty, NSOC.

Ls: cream, lt grey, beige, micro xln, occ mod-hvy marl mtrx, most dense, litho tex, svrl w/pyrite inclusions, no vis por, NSOC. <5% blk sh.

Ls: cream, dense, very hard, litho/glassy tex, no vis por, sharp cleavage, sl-mod marl, non arg, NSOC. Sh: blue-gry, subplaty, soft, non calc, non carb.

Ls: cream, micro xln, dense, v hard, no vis por, litho tex, r iso fos frag, NSOC. 20% Blk sh: platy, firm, carb.

Ls: grey-brown, micro xln, argno vis por, scat fos frag. Sh: lt grey soft, easily washed.

Flood sh: lt grey, blue grey, soft, sub platy, sl calc. Ls: cream, brown, micro xln, dense, NSOC.

Myrick Station phi: Off white, vf xln, poor vis por, most hevay marl, few ctngs w/isolated pp vugs and scat spary calc, very spotty oil stain, no free oil or odor. Remainder smple: dense ms.

Flood Blk sh: firm, platy, very carb.

Ls: lt grey, beige, brwn, micro xln, dns, r scat pp vug, earthy, mtld tex, mod-hvy arg, abndnt pyrite, NSOC. Sh: light-med grey soft, non platy-blocky, occ calc Few cutting w spotty edge stain.

Ls: cream, grey, brown, micro xln, dense, earthy and litho tex, abndnt, pyrite, few cuttings oolitic, 350-500 microns, p std, no vis sec por, NSOC.

Flood black sh: firm, platy, carb. Ls: cream, off white, micro xln, dense, no vis por, mod-hvy marl, NSOC.

Ls: cream, grey-brown, bm, fr-micro xln, earthy tex, occ mtld org mat, mod-hvy arg, abndnt pyrite, occ scat fos frag & clasts, p vis por, NSOC. 10% Blk sh.

Mudco Check:
8/1/24-5:45am
MW 9.1
VIS 55
Filtrate: 8.0
Chlorides 2200ppm
2# LCM

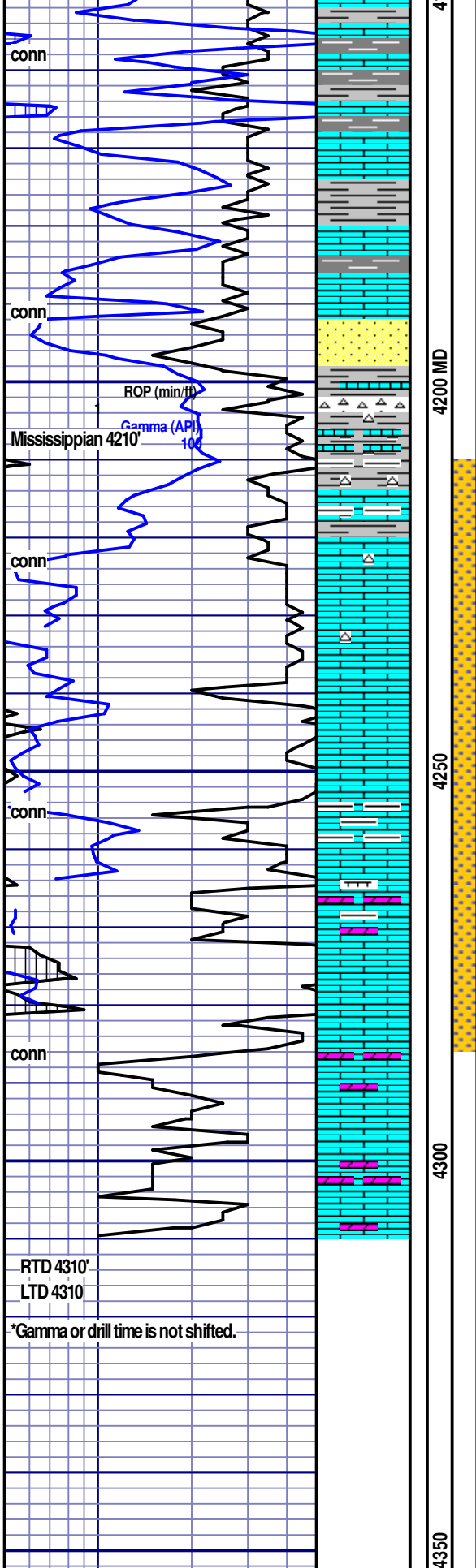
MW 8.6
VIS 61
1# LCM

PP: 750psi
RPM: 78-80
PS: 58
WOB: 40k

MW 8.8
VIS 54
1# LCM

DST #2
Myrick Station-Ft. Scott
4070-4134'
15-40-15-30"
IFP: 21-22psi
ISIP: 283psi
FFP: 22-23psi
FSIP: 85psi
Rec:
5'M

MW 8.8
VIS 54
1# LCM



Ls: lt grey, grey, micro xln, dense, litho tex, abndnt scat fos frag, wke str, no vis por, NSOC. 10% Blk-dk grey sh

PP:850psi
PS:58spm
RPM:80
WOB:40k

Ls: lt grey, cream, off white, beige, micro xln, occ hvy marl, micro xln, litho-earthy tex, most arg, no vis por, NSOC. Sh: dk grey, sub platy, non carb.

Ls: cream, off white, micro xln, dense, mod-hvy marl, sl-mod arg, trc clasts, NSOC. Sh: med-dk grey, mod carb.

80% Ls: cream, white, vf xln-icro xln, sl sucrosic tex, very hard, dense, no vis por, non arg,, 1 cutting w/dead gils str, NFO. 20% SS: white, vfg, <150 microns,hard, well cons, no vis por, NSOC.



Ls: cream-lt grey, micro xln, v dense, litho tex, occ. sucrosic, no vis por, sl. marl, non arg. 5% pink-orange, white chert, semi translucent-opaque. 2 chert cuttings with spotty dead gilsonite stain. 5% grey-green pty shale. 5% SS A/A

Ls: cream, off white, fn xln, dense, sucrosic, svrl w/hvy marl, no vis por, sl cherty (white, semi translucent), NSOC.

Ls: cream, off white, fn-micro xln, sucrosic-lithographic tex, occ hvy marl mtrx (brittle), trc pyrite, sl cherty (white, light grey, semi translucent), no vis por, NSOC. Trc Turquoise shale.

Ls: beige, cream, off white, fn-micro xln, dense, sl sucrosic, cherty (white, semi-translucent), NSOC. 5% grey-olive green sh, firm, sub platy.

Ls: grey, beige, fn xln, mod hard-brittle, mod-hvy arg, earthy tex, no vis por, NSOC.

Ls: grey-med grey, hard, occ dolomitic w/fair vuggy por, hvy arg, fine xln, svrl dark clasts, svrl w/calcite filled vugs, abndnt marl, sl cherty, NSOC.



Ls-Dolo-ls: grey brown, fn-micro xln, hvly mottled w sh, v arg, occ sucrosic, earthy tex, no vis por, NSOC.

Dolo-ls: cream, beige, fn xln, sucrosic, earthy tex, mod-hvy arg, p-fair vuggy por, NSOC.

Dolomite: beige-brown, fn xln, sucrosic, p vuggy por, p ind por, mod arg, mod marl, NSOC.

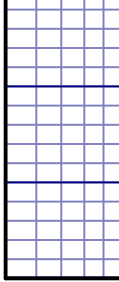
Dolomite: lt brown, fn xln, dense, sucrosic, motld grey, mod arg, p vis por, sl-mod marl, NSOC.

DST#3
Mississippian
4210-4287
15-30-30-55
IFP:25-43psi
ISIP 1113psi
FFP: 46-78psi
FSIP: 1110psi
Rec: 129' Mud

Mudco check:
8/3/23-6:00am
MW 9.0
Vis 56
Filtrate 7.2
Chloride:2200ppm
2#LCM

RTD 4310'
LTD 4310'

*Gamma or drill time is not shifted.

			MD				
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