

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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#1 David Trust 35

1,301' FSL & 1,971' FWL

19' S & 109' W of N/2 SE SW Section 35-5S-24W

Norton County, Kansas

API# 15-137-20767-0000

Elevation: GL: 2,463', KB: 2,472'

Sample Tops

Anhydrite	2097	+375
B/Anhydrite	2129	+343
Topeka	3403	-931
Heebner	3603	-1131
Toronto	3628	-1156
Lansing	3643	-1171
Muncie	3743	-1271
Stark	3795	-1323
Hushpuckney	3810	-1338
BKC	3832	-1360
Arbuckle	4093	-1621
RTD	4096	-1624

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3740

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-2-23	3	5	24	NORTON	KC		2:30 PM

Lease DAVID TRUST #35 Well No. 1 Location Lenora 1E 35 1/4

Contractor Duke #4 Owner To Quality Oilwell Cementing, Inc.
Type Job SURFACE You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 12 1/4 T.D. 221 Charge To Ritchie #35 Exp. Inc

Csg. 8 1/2 Depth Street

Tbg. Size Depth City State

Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 15 Shoe Joint Cement Amount Ordered 1754 8/20 3-2

Meas Line Displace 13 Common 105 140

EQUIPMENT			
Pumptrk <u>18</u> No.	Cementer	<u>Bill</u>	Poz. Mix <u>35</u>
Bulktrk No.	Helper	<u>JORDAN</u>	Gel. <u>3</u>
Bulktrk <u>20</u> No.	Driver	<u>CORY</u>	Calcium <u>6</u>
	Driver		
	Driver		

JOB SERVICES & REMARKS Halls

Remarks: Salt

Rat Hole Flowseal

Mouse Hole Kol-Seal

Centralizers Mud CLR 48

Baskets CFL-117 or CD110 CAF 38

D/V or Port Collar Sand

Set 221 Handling 181

Cent w/ 1754 Mileage

pump plug w/ 13 bbls **FLOAT EQUIPMENT**

Cent did circ Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge SURFACE Tax

Mileage 50 Discount

X Signature Heath Tom Total Charge

Thanks

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

Home Office P.O. Box 32 Russell, KS 67665

No. 3746

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-10-23	35	5	24	NORTON	KS		12:30PM

Location LeMora 1E 25 SW

Lease <u>DAVID TRUST 35</u>	Well No. <u>#1</u>	Owner
Contractor <u>DuKe</u>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job <u>PTA</u>		
Hole Size <u>7 7/8</u>	T.D.	Charge To <u>Ritchie</u>
Csg.	Depth	Street
Tbg. Size	Depth	City State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered <u>290 sk 64/40-4</u>
Meas Line	Displace	<u>1/4 # F/10 seal</u>

EQUIPMENT

Pumptrk <u>16</u> No.	Cementer	<u>BIW</u>	Common	<u>175</u>
	Helper		Poz. Mix	<u>115</u>
Bulktrk No.	Driver	<u>JORDAN</u>	Gel.	<u>10</u>
Bulktrk <u>9</u> No.	Driver		Calcium	
	Driver	<u>DOUG</u>		

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole <u>30 sk</u>	Salt
Mouse Hole	Flowseal <u>7 7/8</u>
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
<u>4073 - 50 sk</u>	Sand
<u>2125 - 50 sk</u>	Handling <u>300</u>
<u>1325 - 100 sk</u>	Mileage
<u>275 - 50 sk</u>	FLOAT EQUIPMENT
<u>40 - 10 sk</u>	Guide Shoe
<u>RH - 30 sk</u>	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	<u>PLUG - 18 1/2 wood</u>
	Pumptrk Charge <u>plug</u>
	Mileage <u>50</u>

X Signature <u>Helen Jordan</u>	Tax
	Discount
	Total Charge

Thanks



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.

35/5s/24w Norton KS

8100 E 22nd St N #700
Wichita, KS 67278

David Trust 35 #1

Job Ticket: 70414

DST#: 1

ATTN: Max Lovely

Test Start: 2023.08.06 @ 09:23:00

GENERAL INFORMATION:

Formation: **Lans. "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:36:51

Time Test Ended: 16:55:36

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 83

Interval: 3658.00 ft (KB) To 3690.00 ft (KB) (TVD)

Reference Elevations: 2472.00 ft (KB)

Total Depth: 3690.00 ft (KB) (TVD)

2461.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6771

Inside

Press@RunDepth: 83.81 psig @ 3659.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.08.06

End Date:

2023.08.06

Last Calib.:

2023.08.06

Start Time: 09:23:01

End Time:

16:55:36

Time On Btm:

2023.08.06 @ 11:36:36

Time Off Btm:

2023.08.06 @ 14:41:06

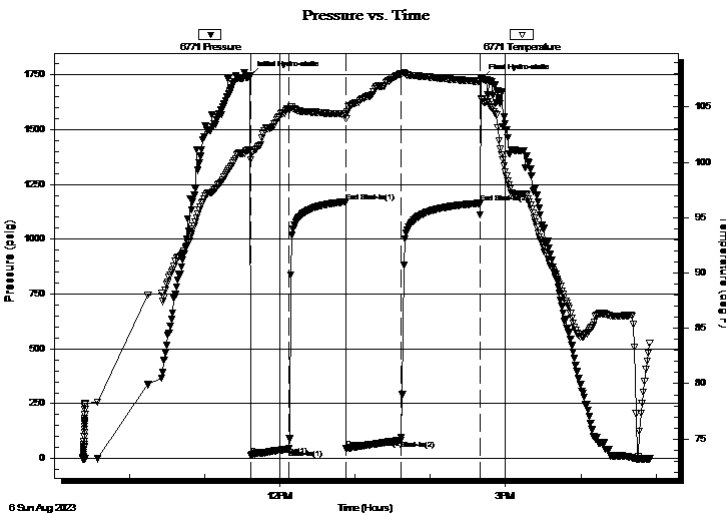
TEST COMMENT: 30 - IF: Blow built to 2 1/4"

45 - IS: No blow

45 - FF: Blow built to 2 1/2"

60 - FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1744.37	101.12	Initial Hydro-static
1	15.85	100.21	Open To Flow (1)
31	44.07	104.75	Shut-In(1)
77	1170.98	104.35	End Shut-In(1)
77	46.70	103.94	Open To Flow (2)
120	83.81	107.99	Shut-In(2)
183	1163.79	107.32	End Shut-In(2)
185	1734.11	105.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
145.00	MCW w/trace oil 77%w , 23%m	2.03

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

35/5s/24w Norton KS

8100 E 22nd St N #700
Wichita, KS 67278

David Trust 35 #1

Job Ticket: 70414

DST#: 1

ATTN: Max Lovely

Test Start: 2023.08.06 @ 09:23:00

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:

34000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
145.00	MCW w/trace oil 77%w , 23%m	2.034

Total Length: 145.00 ft Total Volume: 2.034 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .189 ohms @ 78.8 deg F Chlorides = 34,000 ppm

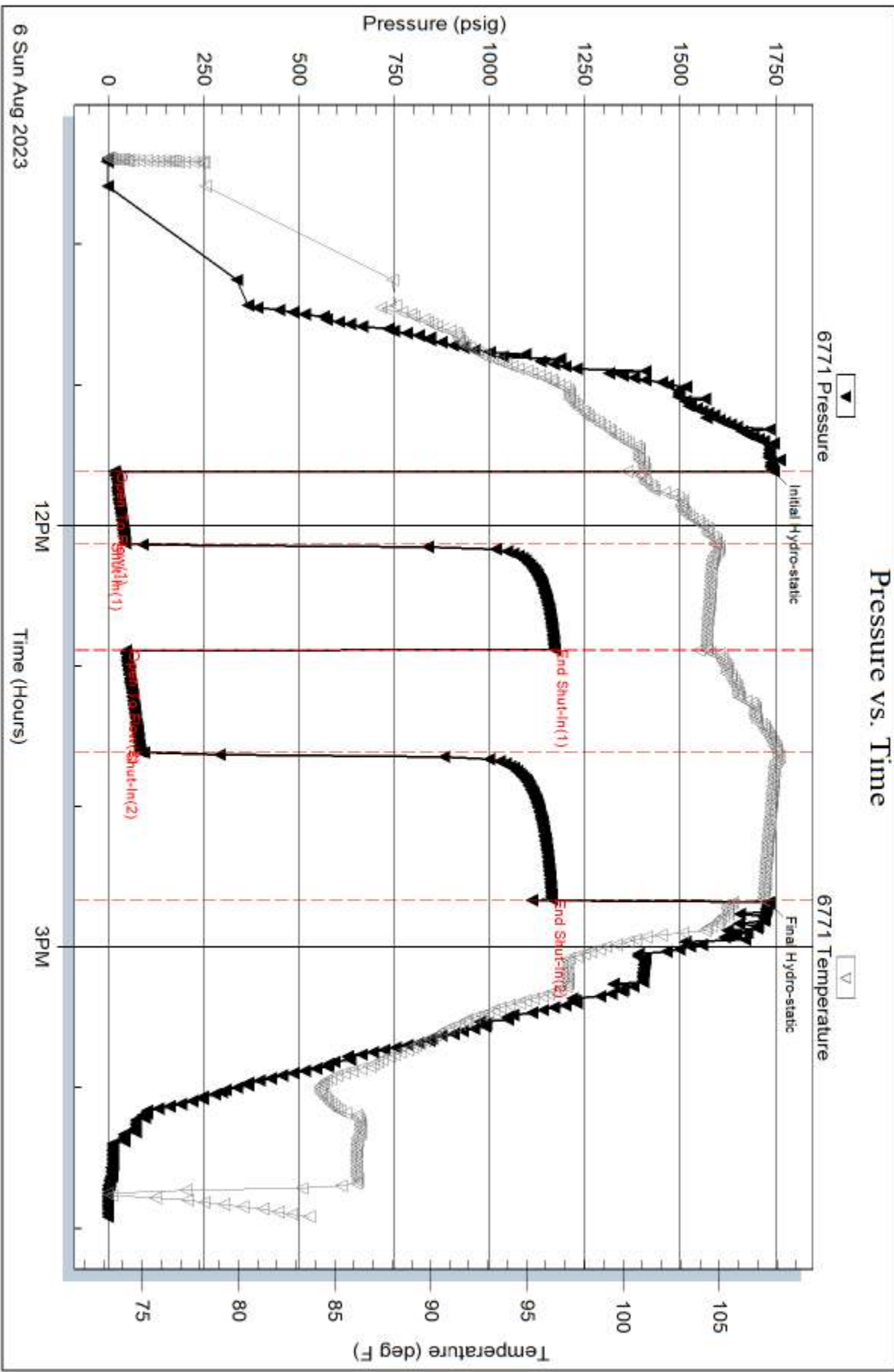
Serial #: 6771

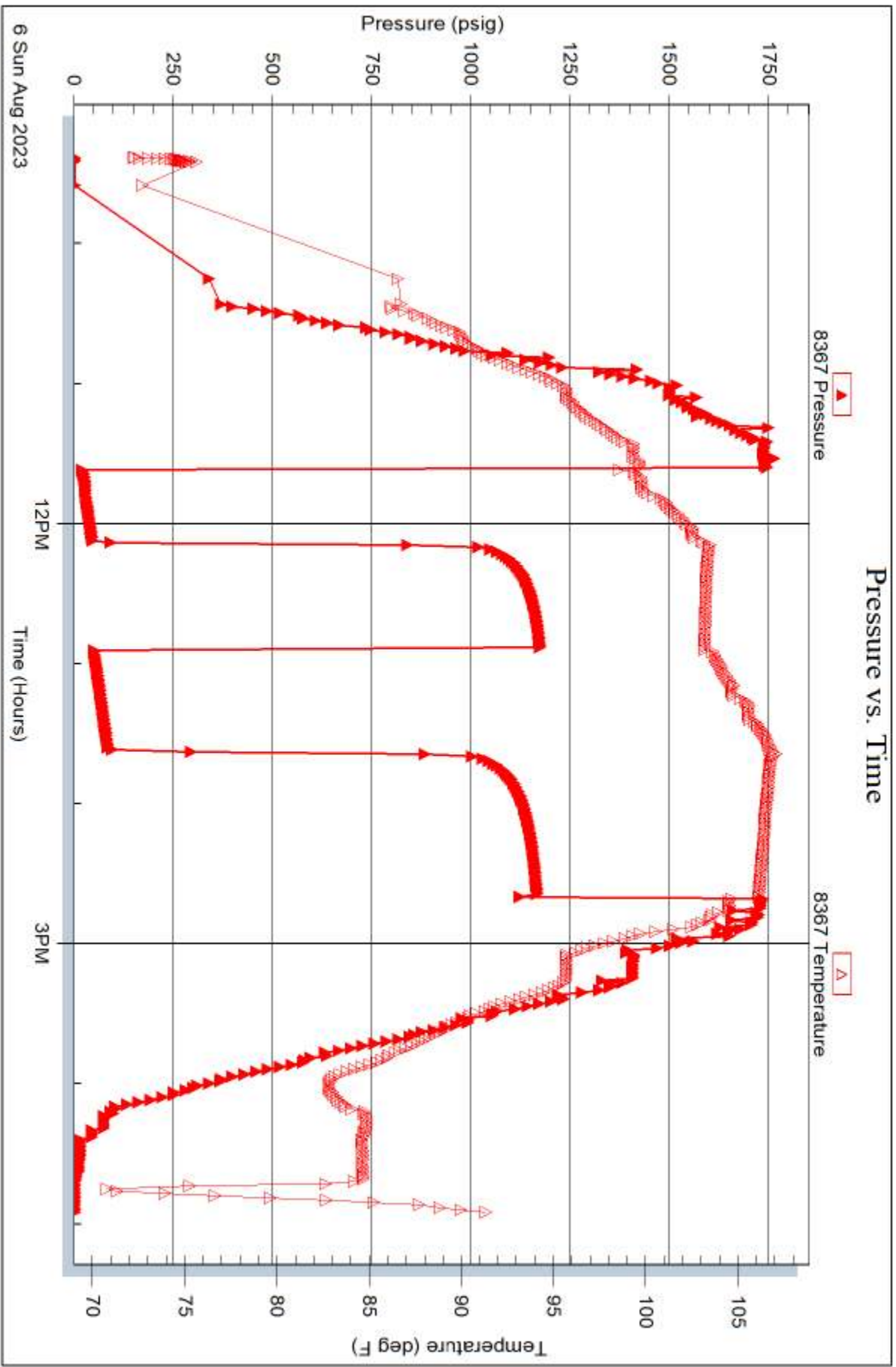
Inside

Richie Exploration, Inc.

David Trust 35 #1

DST Test Number: 1







TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.
 8100 E 22nd St N #700
 Wichita, KS 67278
 ATTN: Max Lovely

35/5s/24w Norton KS
David Trust 35 #1
 Job Ticket: 70415 **DST#: 2**
 Test Start: 2023.08.07 @ 05:30:00

GENERAL INFORMATION:

Formation: **Lans. "E - F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:23:06
 Time Test Ended: 11:36:36
 Interval: **3695.00 ft (KB) To 3720.00 ft (KB) (TVD)**
 Total Depth: 3720.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 83
 Reference Elevations: 2472.00 ft (KB)
 2461.00 ft (CF)
 KB to GR/CF: 11.00 ft

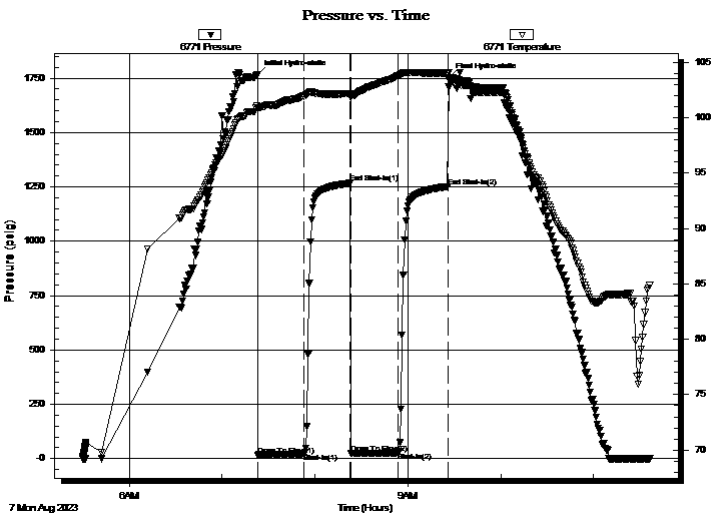
Serial #: 6771

Inside

Press@RunDepth: 27.20 psig @ 3696.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.08.07 End Date: 2023.08.07 Last Calib.: 2023.08.07
 Start Time: 05:30:01 End Time: 11:36:36 Time On Btm: 2023.08.07 @ 07:22:51
 Time Off Btm: 2023.08.07 @ 09:26:51

TEST COMMENT: 30 - IF: Blow built to just over 1/4"
 30 - IS: No blow
 30 - FF: Blow built to just over 1/4"
 30 - FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1767.84	101.12	Initial Hydro-static
1	16.38	100.82	Open To Flow (1)
31	22.29	101.98	Shut-In(1)
60	1267.27	102.19	End Shut-In(1)
61	23.16	101.81	Open To Flow (2)
91	27.20	103.79	Shut-In(2)
123	1251.59	104.05	End Shut-In(2)
124	1752.79	103.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
31.00	WCM 88% _m , 12% _w	0.43

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

35/5s/24w Norton KS

8100 E 22nd St N #700
Wichita, KS 67278

David Trust 35 #1

Job Ticket: 70415

DST#: 2

ATTN: Max Lovely

Test Start: 2023.08.07 @ 05:30:00

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:

13500 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	WCM 88% _m , 12% _w	0.435

Total Length: 31.00 ft Total Volume: 0.435 bbl

Num Fluid Samples: 0

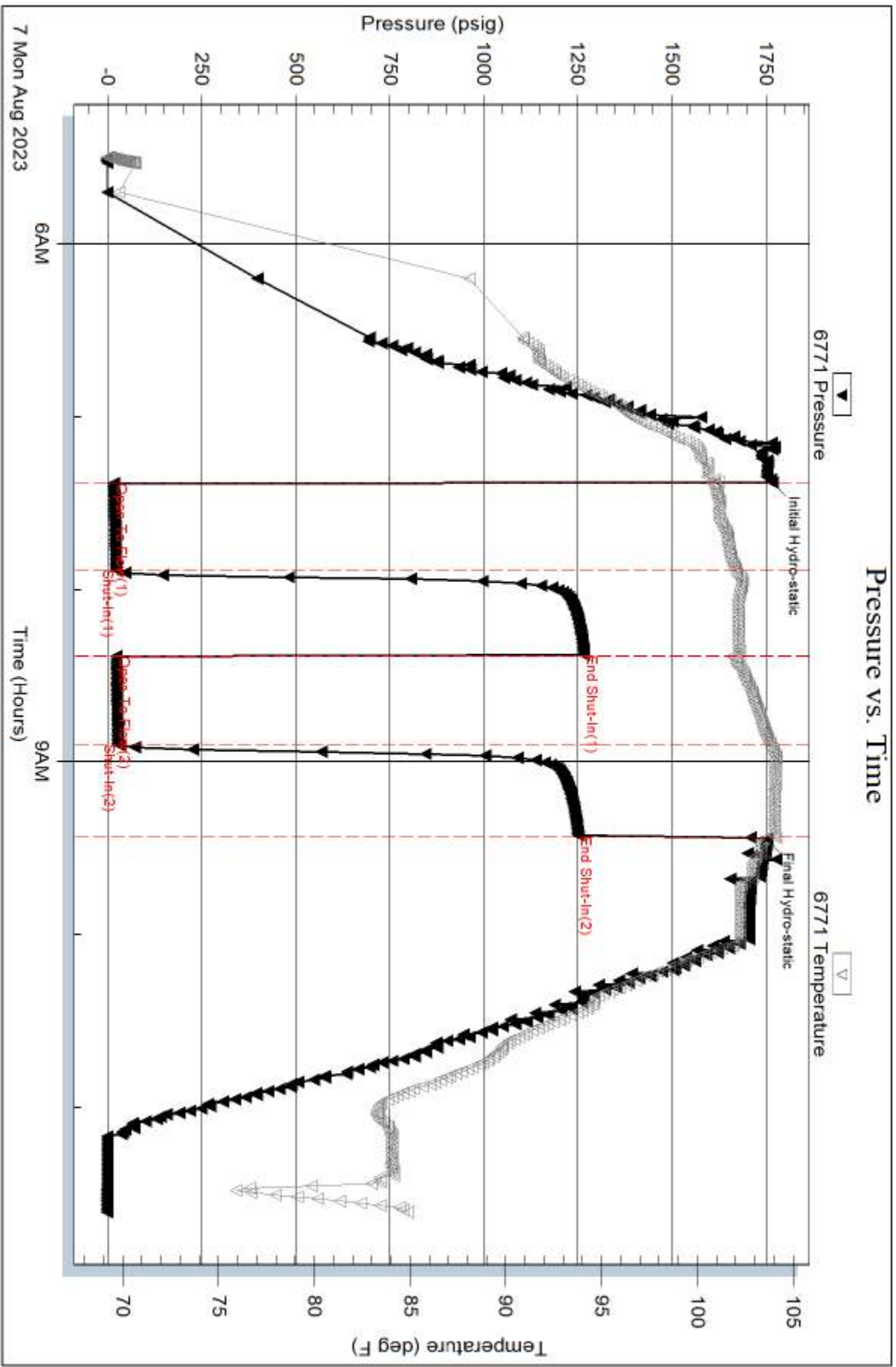
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .420 ohms @ 80 deg F Chlorides = 13,500 ppm

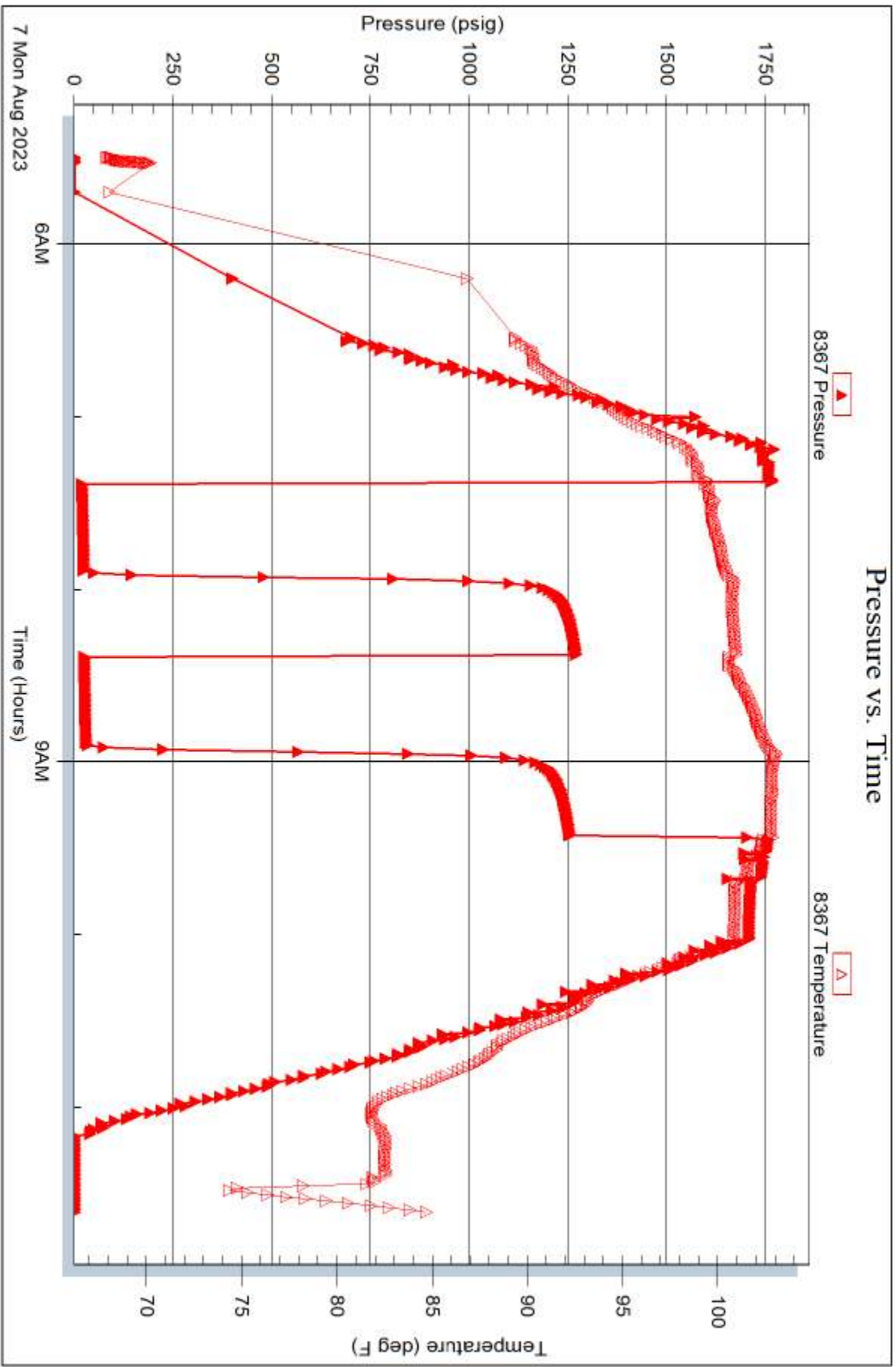


Serial #: 8367

Outside Ritchie Exploration, Inc.

David Trust 35 #1

DST Test Number: 2





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.
 8100 E 22nd St N #700
 Wichita, KS 67278
 ATTN: Max Lovely

35/5s/24w Norton KS
David Trust 35 #1
 Job Ticket: 70416 **DST#: 3**
 Test Start: 2023.08.07 @ 21:20:00

GENERAL INFORMATION:

Formation: **Lans. "H"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 23:34:51 Tester: James Winder
 Time Test Ended: 03:35:36 Unit No: 83
 Interval: **3737.00 ft (KB) To 3770.00 ft (KB) (TVD)** Reference Elevations: 2472.00 ft (KB)
 Total Depth: 3770.00 ft (KB) (TVD) 2461.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

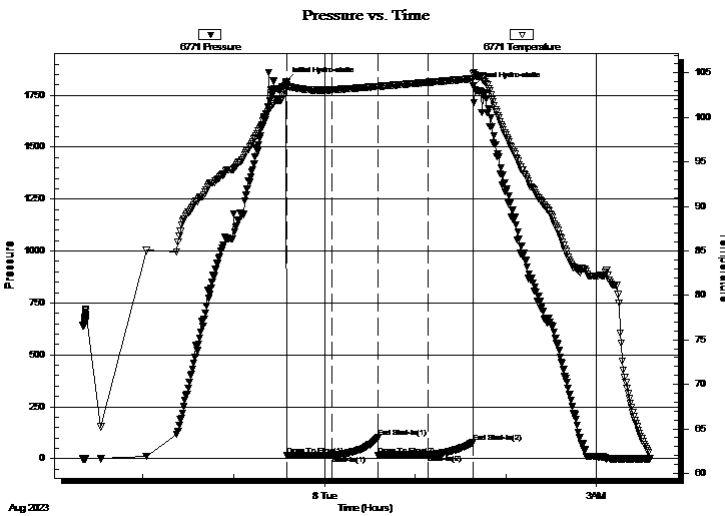
Serial #: 6771

Inside

Press@RunDepth: 18.47 psig @ 3738.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.08.07 End Date: 2023.08.08 Last Calib.: 2023.08.08
 Start Time: 21:20:01 End Time: 03:35:36 Time On Btm: 2023.08.07 @ 23:34:36
 Time Off Btm: 2023.08.08 @ 01:38:21

TEST COMMENT: 30 - IF: Surface blow, dead at 20 min.
 30 - ISI: No blow
 30 - FF: No blow
 30 - FSI: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1816.34	103.94	Initial Hydro-static
1	16.57	103.38	Open To Flow (1)
31	17.60	103.10	Shut-In(1)
61	100.63	103.50	End Shut-In(1)
61	17.01	103.44	Open To Flow (2)
94	18.47	103.93	Shut-In(2)
124	78.20	104.35	End Shut-In(2)
124	1793.82	104.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud 100%	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

35/5s/24w Norton KS

8100 E 22nd St N #700
Wichita, KS 67278

David Trust 35 #1

Job Ticket: 70416

DST#: 3

ATTN: Max Lovely

Test Start: 2023.08.07 @ 21:20:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud 100%	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

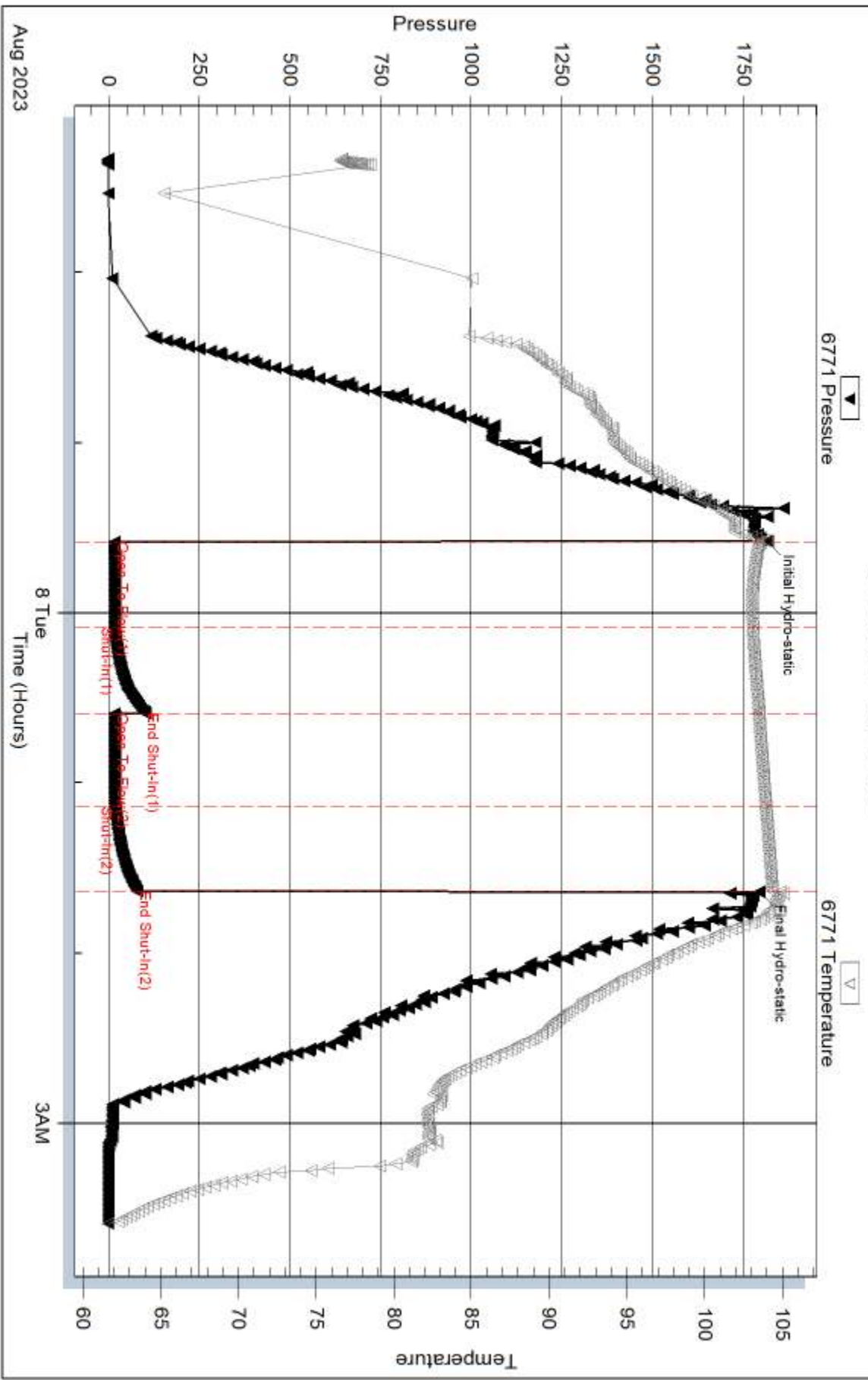
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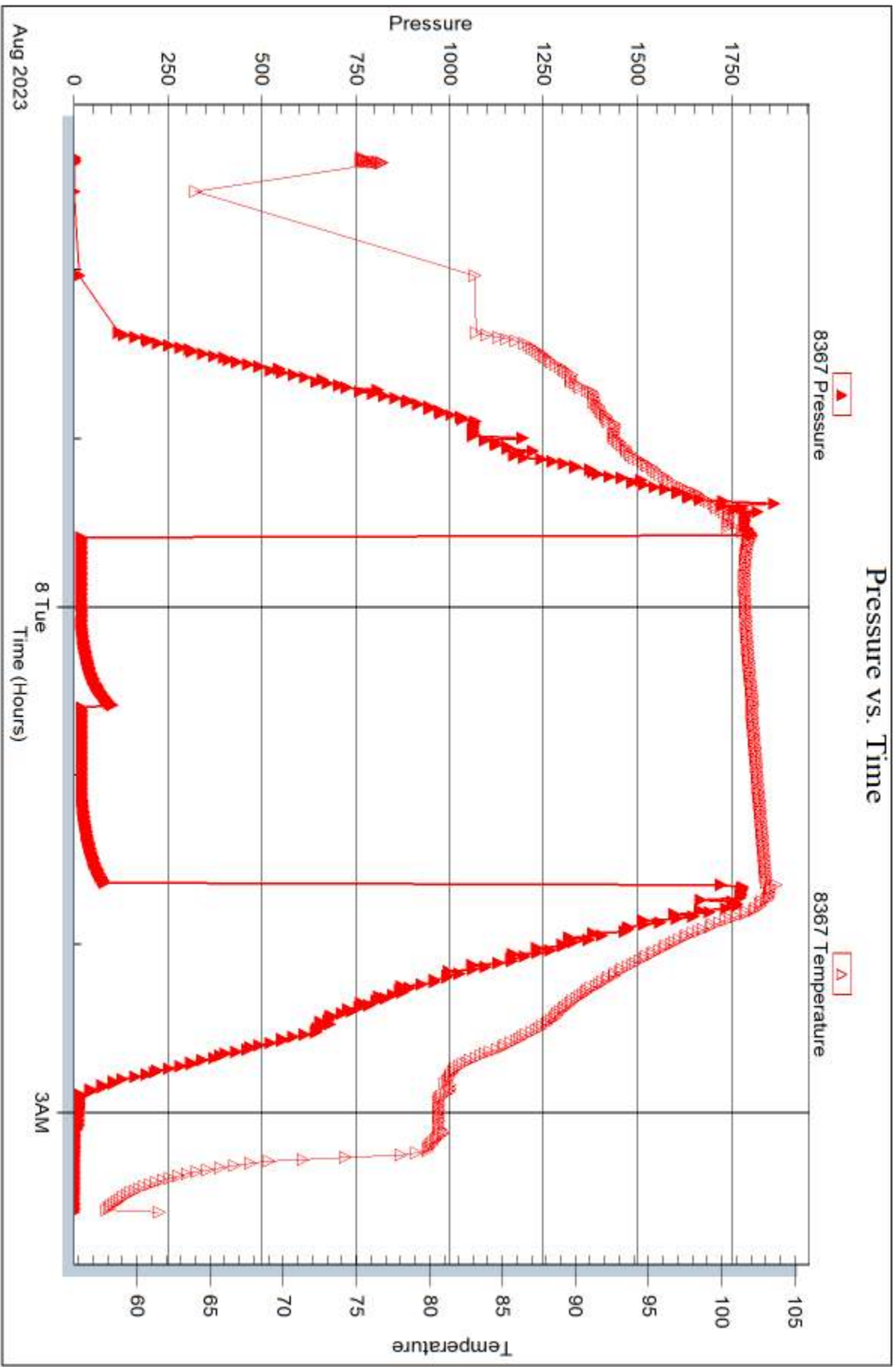
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.
 8100 E 22nd St N #700
 Wichita, KS 67278
 ATTN: Max Lovely

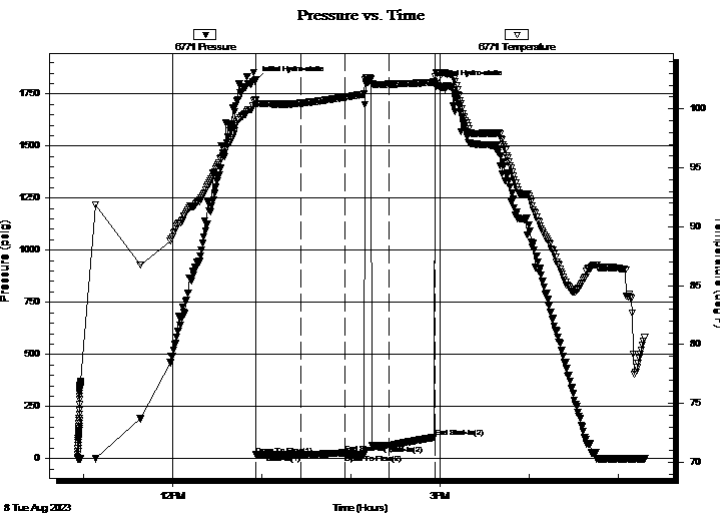
35/5s/24w Norton KS
David Trust 35 #1
 Job Ticket: 70417 **DST#: 4**
 Test Start: 2023.08.08 @ 10:56:00

GENERAL INFORMATION:

Formation: **Lans. "J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:56:06
 Time Test Ended: 17:18:06
 Interval: **3766.00 ft (KB) To 3796.00 ft (KB) (TVD)**
 Total Depth: 3796.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 83
 Reference Elevations: 2472.00 ft (KB)
 2461.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6771 Inside
 Press@RunDepth: 64.35 psig @ 3767.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.08.08 End Date: 2023.08.08 Last Calib.: 2023.08.08
 Start Time: 10:56:01 End Time: 17:18:06 Time On Btm: 2023.08.08 @ 12:55:51
 Time Off Btm: 2023.08.08 @ 14:56:51

TEST COMMENT: 30 - IF: 1/4" Blow at open, died back, dead by 15 min.
 30 - ISI: No blow
 30 - FF: No blow, flushed tool, surface blow for 7 min., then dead
 30 - FSI: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1815.88	100.76	Initial Hydro-static
1	18.20	100.37	Open To Flow (1)
31	18.58	100.48	Shut-In(1)
60	27.45	100.98	End Shut-In(1)
61	18.45	100.99	Open To Flow (2)
90	64.35	102.09	Shut-In(2)
121	102.71	102.28	End Shut-In(2)
121	1797.20	102.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	Mud 100%	1.33

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

35/5s/24w Norton KS

8100 E 22nd St N #700
Wichita, KS 67278

David Trust 35 #1

Job Ticket: 70417

DST#: 4

ATTN: Max Lovely

Test Start: 2023.08.08 @ 10:56:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	Mud 100%	1.333

Total Length: 95.00 ft Total Volume: 1.333 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

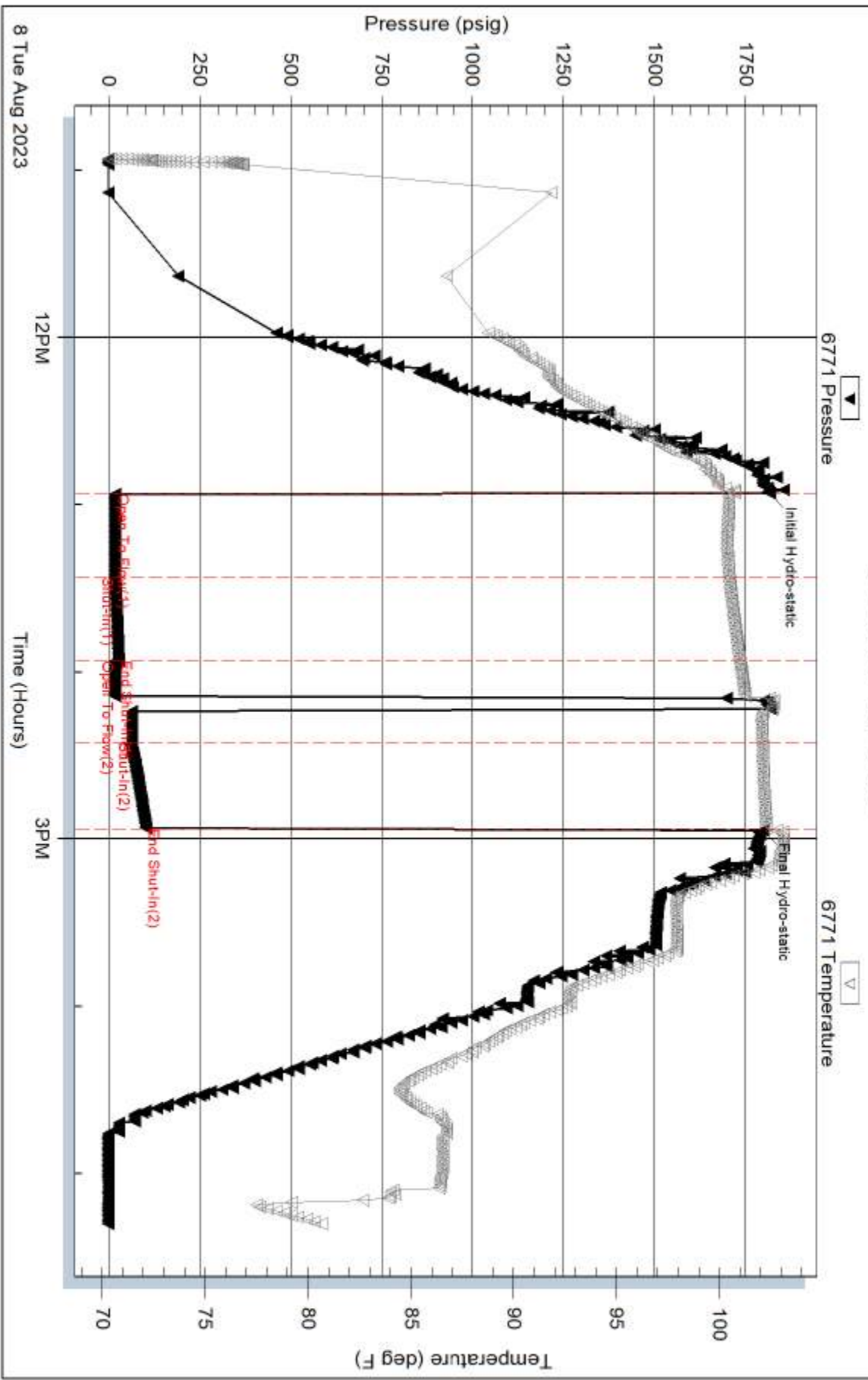
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

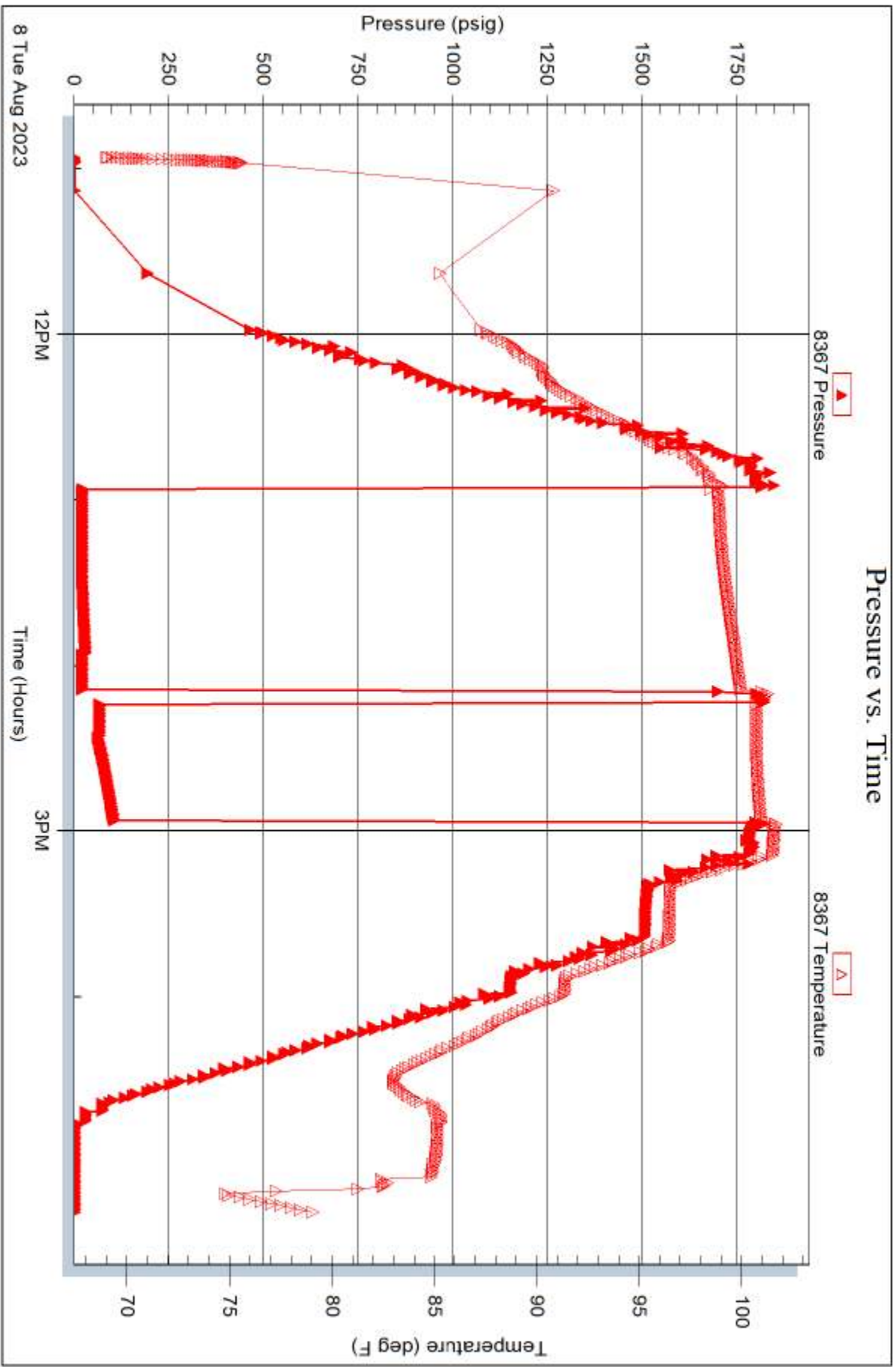


Serial #: 8367

Outside Ritchie Exploration, Inc.

David Trust 35 #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 70417

Printed: 2023.08.08 @ 21:38:54

Max R. Lovely

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Ritchie Exploration

LEASE #1 David Trust 35

FIELD Unnamed

LOCATION 1301 FSL 1871 FWL

SEC 35 TWP 5 RGE 24W

COUNTY Norton STATE KS

CONTRACTOR Duke Rig #4

SPUD 8-2-23 COMP 8-10-23

RTD 4096 LTD 4097

MUD UP 3261 TYPE Mud Chem

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION

SAMPLE TOP

ELECTRIC LOG TOP

SUB-SEA DATUM

A

B

C

ANHYDRITE

BASE ANHYDRITE

TOPEKA

HEEBNER

TORONTO

LANSING

MUNCIE

STARK

HUSHPICKNEY

BKC

ARBUCKLE

REFERENCE WELLS FOR STRUCTURE

A H&C Oil #44.1 Jamison 500' FSL 500' FEEL 4-6-24W
B Ritchie #1 Slides Unit 2300 FSL 48' FEEL 3-2-24W
C Northern Lights #1 Juvy 1800 FSL 330' FEEL 3-3-24W

ELEVATIONS

KB 2472

DF 2463

Measurements are All from KB

CASING PRODUCTION SURFACE 828 @ 221'

ELECTRICAL SURVEYS DONE IN 500'

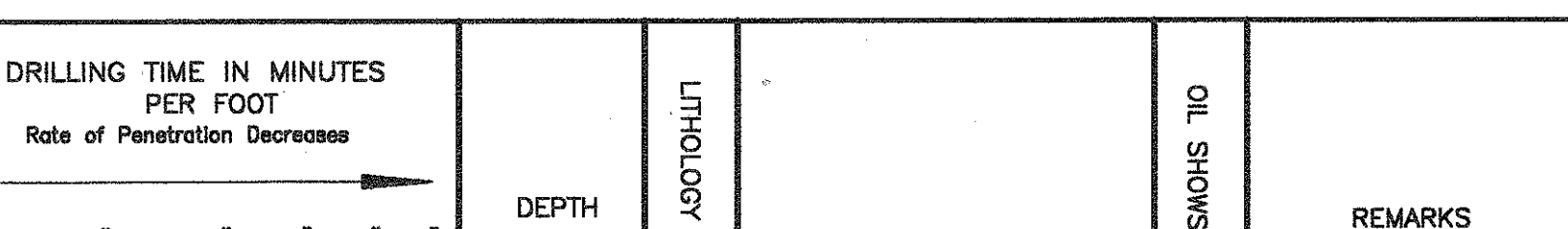
COMP # 1172 MICRO

REMARKS

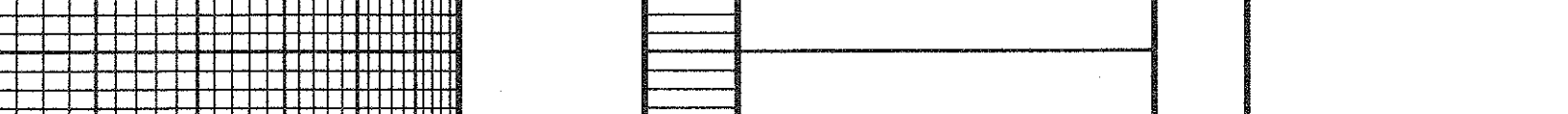
FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	A	B	C
Anhydrite	2097	2094	378	372	382	373
Base Anhydrite	2129	2127	345	339	351	340
Topeka	3403	3397	-925	-929	-954	-1076
Heebner	3603	3602	-1130	-1129	-1106	-1146
Toronto	3628	3624	-1152	-1155	-1129	-1172
Lansing	3643	3642	-1171	-1171	-1144	-1190
Muncie	3743	3743	-1271	-1271	-1247	-1290
Stark	3795	3792	-1320	-1320	-1293	-1341
Hushpuckney	3810	3808	-1338	-1338	-1312	-1358
BKC	3832	3825	-1353	-1357	-1329	-1378
Arbuckle	4093		-1621			

REMARKS

LEGEND



DRILLING TIME IN MINUTES PER FOOT
Rate of Penetration Decreases



DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
2100	ANHYDRITE	2097 +375		
2129	BASE ANHYDRITE	2129 +343		
3300				
3400	TOPEKA	3403 -931		
3500				
3600	HEEBNER	3603 -1131		
3700	TORONTO	3628 -1156		
	LANSING	3643 -1171		
3700	MUNCIE	3743 -1271		
3800	STARK	3795 -1323		
	HUSHPICKNEY	3810 -1338		
	BKC	3832 -1360		
3900				
4000				
4100	ARBUCKLE	4093 -1621		

7:AM 8-5-2023
DRLG @ 3396'
-3402' BIT TRIP
STRAP: 3400.60
BOARD: 3402.22
short 1.62'
MUD CHECK
VIS: 48 WT: 8.8
CHLOR: 1000 LCM: 2
FLT: 6.4

DST #1 3658-3690
30-45-45.60
IF: 2 1/4" ISI: AIR
FF: 2 1/2" FSI: AIR
REC: 145' MCW: TR OIL
FP: 16-44, 47-84
SIP: 1171-1164
HP: 1744-1734

DST #2 3695-3720
IF: 1/4"
FF: 1 1/4"
REC: 31' WCM
FP: 16-22, 23-27
SIP: 1267-1252

7:AM 8-6-2023
DST #1 @ 3690'
MUD CHECK
VIS: 53 WT: 9.0
CHLOR: 1,200 LCM: 1
FLT: 6.4

7:AM 8-7-2023
DST #2 @ 3720'
MUD CHECK
VIS: 50 WT: 9.1
CHLOR: 1,500 LCM: 1
FLT: 7.2

DST #3 3737-3770
IF: 5/8" ISI: AIR
FF: 30-30-30-30
REC: 145' MCW: TR OIL
FP: 17-18, 17-18
SIP: 101-78
HP: 1816-1794
REC: 1' mud

7:AM 8-8-2023
DRLG @ 3780'
MUD CHECK
VIS: 57 WT: 9.2
CHLOR: 1,500 LCM: 1
FLT: 8.0

DST #4 3766-3796
IF: 1/4" ISI: AIR
FF: 30-30-30-30
REC: 145' MCW: TR OIL
FP: 18-19, 18-64
SIP: 127-103
HP: 1816-1797

7:AM 8-9-2023
DRLG @ 3916'
TRASHY
STICKY
RED
SHALE

VIS: 58 WT: 9.2
CHLOR: 2,000 LCM: 1
FLT: 8.8

@ TD: SHORT TRIP
CIRC 1 HR
DEV: 2°

JAMES TRILOBITE TESTING: WINDGARD
ELI LOGGING: ROBBERN
MUD-CO: REID ATKINS