

Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	SKILLEN TRUST 11B 1
Doc ID	1764083

All Electric Logs Run

Compensated Density
Dual Induction
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	SKILLEN TRUST 11B 1
Doc ID	1764083

Tops

Name	Top	Datum
Indian Caves	1795	-389
Heebner	2798	-1392
Lansing	3334	-1928
BKC	3581	-2175
Cherokee	3743	-2337
Mississippi	3919	-2513
Viola	4376	-2970
Arbuckle	4499	-3093

Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	SKILLEN TRUST 11B 1
Doc ID	1764083

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	221	Common	200	3%cc



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

NEW WELL

Nº C

60953

DATE 13-Nov 20 23

IS AUTHORIZED BY: RITCHIE EXPLORATION

(NAME OF CUSTOMER)

Address _____ City _____ State KS

TO TREAT WELL

AS FOLLOWS Lease SKILLEN Well No. 11B Customer Order No.

Sec. Twp.

Range 11-29-5W County KINGMAN State KS

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our Invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED

BEFORE WORK IS COMMENCED

Well Owner or Operator

By

Agent

Vendor/Owner/Operator			Unit	Agent
CODE	QUANTITY	DESCRIPTION	COST	AMOUNT
20.0002	110	Mileage P.T.	\$6.00	\$660.00
20.0005	1	Pump Charge Surface	\$1,150.00	\$1,150.00
20.1001	200	Common Cement Sack	\$17.50	\$3,500.00
20.1012	12	Calcium Chloride per 50 lb.	\$42.00	\$504.00
20.0011	212	Bulk Charge	\$1.25	\$265.00
20.0012	548.02	Bulk Truck Miles	\$1.10	\$602.82
		Process License Fee on Gallons		
		TOTAL BILLING		\$6,681.82

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative GREG C.

Station GB

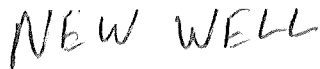
SCOTT B.

Well Owner, Operator or Agent

Remarks

NET 30 DAYS

[illegible]



Nº C

60962

DATE 22-Nov 20 23

(NAME OF CUSTOMER)

AS FOLLOWS Lease SKILLEN Well No. 11B Customer Order No. _____

Range 11-29-5W	County KINGMAN	State KS
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The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

Well Owner or Operator

By

Agent

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

SCOTT B.

Remarks

NET 30 DAYS



TREATMENT REPORT

Acid Stage No. _____

Date 11/22/2023 District GB F.O. No. C60962
 Company RITCHIE EXPLORATION
 Well Name & No. SKILLEN 11B
 Location 11-29-5W Field _____
 County KINGMAN State KS

Type Treatment: Amt. Type Fluid Sand Size Pounds of Sand
 Bkdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____

Casing: Size 4 1/2 Type & Wt. _____ Set at _____ ft.
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Yes ☒ Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. _____ Swung at _____ ft.
 Perforated from _____ ft. to _____ ft.

Treated from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0

Actual Volume of Oil / Water to Load Hole: _____ Bbl./Gal.

Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Pump Trucks. No. Used: Std. 320 Sp. _____ Twin _____
 Auxiliary Equipment 327
 Personnel GREG CURTIS ROSS
 Auxiliary Tools _____

Plugging or Sealing Materials: Type 60/40 POZ 4% GEL 1/4# PER SK CELLOFLAKE
 _____ Gals. _____ lb.

Company Representative SCOTT B. Treater GREG C.

TIME	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
a.m./p.m.				
5:45				ON LOCATION
				PUMP 35 SKS @ 4500'
				PUMP 35 SKS @ 800'
				PUMP 35 SKS @ 450'
				PUMP 35 SKS @ 270'
				PUMP 25 SKS @ 60'
				PLUG RATHOLE WITH 30 SKS
				PLUG MOUSEHOLE WITH 20 SKS
11:30				JOB COMPLETE
				THANK YOU!!!



DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration Inc**

8100 E 2nd St N#700
Wichita, KS 67278

ATTN: John Goldsmith

Skillen Trust 11B #1

11-29S-5W Kingman, KS

Start Date: 2023.11.15 @ 14:52:21

End Date: 2023.11.15 @ 20:01:11

Job Ticket #: 71063 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.11.27 @ 08:54:33

Ritchie Exploration Inc

11-29S-5W Kingman, KS

Skillen Trust 11B #1

DST # 1

Indian Caves

2023.11.15



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Ritchie Exploration Inc

8100 E 2nd St N#700
Wichita, KS 67278

ATTN: John Goldsmith

11-29S-5W Kingman, KS

Skillen Trust 11B #1

Job Ticket: 71063

DST#: 1

Test Start: 2023.11.15 @ 14:52:21

GENERAL INFORMATION:

Formation: **Indian Caves**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:43:11

Time Test Ended: 20:01:11

Test Type: Conventional Bottom Hole (Initial)

Tester: Eric Burgess

Unit No: 80

Interval: 1756.00 ft (KB) To 1820.00 ft (KB) (TVD)

Reference Elevations: 1406.00 ft (KB)

Total Depth: 1820.00 ft (KB) (TVD)

1398.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8369 Outside

Press@RunDepth: 108.87 psig @ 1760.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.11.15

End Date:

2023.11.15

Last Calib.: 2023.11.15

Start Time: 14:52:22

End Time:

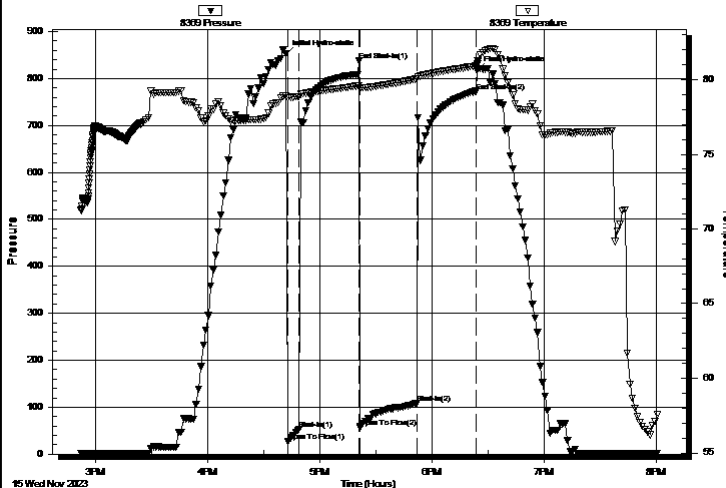
20:01:11

Time On Btm: 2023.11.15 @ 16:41:51

Time Off Btm: 2023.11.15 @ 18:24:11

TEST COMMENT: IF: Fair Building Blow built to 5.54" (5)
IS: No Blow Back (30)
FF: Fair Building Blow built to 11.96" (30)
FS: No Blow Back. (30)

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	851.85	78.94	Initial Hydro-static
2	27.37	78.78	Open To Flow (1)
7	52.34	78.88	Shut-In(1)
40	837.32	79.60	End Shut-In(1)
40	57.42	79.36	Open To Flow (2)
70	108.87	80.07	Shut-In(2)
102	772.96	80.92	End Shut-In(2)
103	816.18	81.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
178.00	WCM 42%W 58%M	1.49

Gas Rates

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

DRILL STEM TEST REPORT

Ritchie Exploration Inc

8100 E 2nd St N#700
Wichita, KS 67278

ATTN: John Goldsmith

11-29S-5W Kingman, KS

Skillen Trust 11B #1

Job Ticket: 71063

DST#: 1

Test Start: 2023.11.15 @ 14:52:21

GENERAL INFORMATION:

Formation: **Indian Caves**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:43:11

Time Test Ended: 20:01:11

Test Type: Conventional Bottom Hole (Initial)

Tester: Eric Burgess

Unit No: 80

Interval: 1756.00 ft (KB) To 1820.00 ft (KB) (TVD)

Reference Elevations: 1406.00 ft (KB)

Total Depth: 1820.00 ft (KB) (TVD)

1398.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8679

Press@RunDepth: psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.11.15

End Date:

2023.11.15

Last Calib.:

2023.11.15

Start Time: 14:52:34

End Time:

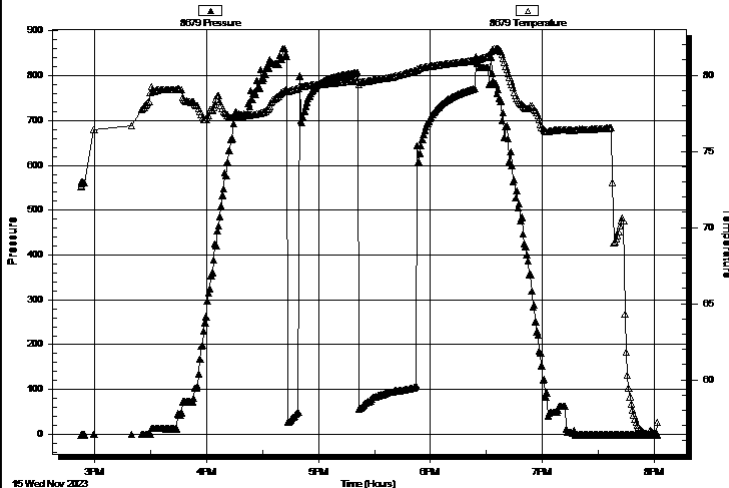
20:01:43

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Fair Building Blow built to 5.54" (5)
IS: No Blow Back (30)
FF: Fair Building Blow built to 11.96" (30)
FS: No Blow Back. (30)

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
178.00	WCM 42%W 58%M	1.49

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration Inc

11-29S-5W Kingman,KS

8100 E 2nd St N#700
Wichita,KS 67278

Skillen Trust 11B #1

Job Ticket: 71063

DST#: 1

ATTN: John Goldsmith

Test Start: 2023.11.15 @ 14:52:21

Tool Information

Drill Pipe:	Length:	1620.00 ft	Diameter:	3.88 inches	Volume:	23.69 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length:	115.00 ft	Diameter:	2.25 inches	Volume:	0.57 bbl	Weight to Pull Loose:	24000.00 lb
					Total Volume:	24.26 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		11.00 ft					String Weight: Initial	34000.00 lb
Depth to Top Packer:		1756.00 ft					Final	34000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		64.00 ft						
Tool Length:		96.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00		1725.00	
Shut In Tool	5.00		1730.00	
Hydraulic tool	5.00		1735.00	
Em Tool	3.00		1738.00	
Jars	5.00		1743.00	
Safety Joint	3.00		1746.00	
Packer	4.00		1750.00	32.00 Bottom Of Top Packer
Packer	6.00		1756.00	
Stubb	1.00		1757.00	
Perforations	2.00		1759.00	
Change Over Sub	1.00		1760.00	
Recorder	0.00	8369 Outside	1760.00	
Recorder	0.00	8846 Inside	1760.00	
Blank Spacing	31.00		1791.00	
Change Over Sub	1.00		1792.00	
Perforations	25.00		1817.00	
Bullnose	3.00		1820.00	64.00 Bottom Packers & Anchor
Total Tool Length:	96.00			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration Inc

11-29S-5W Kingman,KS

8100 E 2nd St N#700
Wichita,KS 67278

Skillen Trust 11B #1

Job Ticket: 71063

DST#: 1

ATTN: John Goldsmith

Test Start: 2023.11.15 @ 14:52:21

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 30.00 sec/qt

Cushion Volume:

bbl

Water Loss: 0.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 81000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
178.00	WCM 42%W 58%M	1.487

Total Length: 178.00 ft

Total Volume: 1.487 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

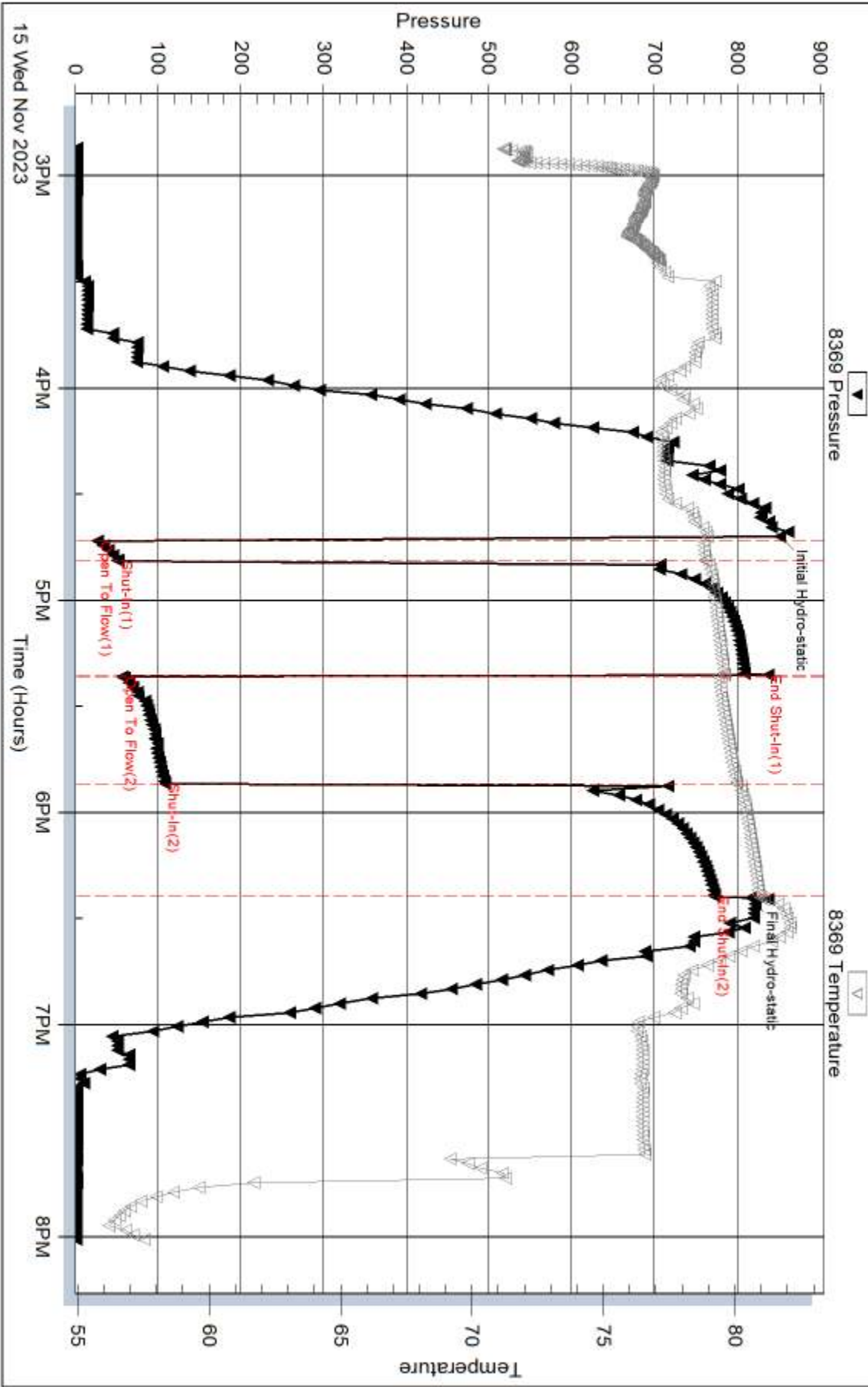
Serial #: 8369

Outside Ritchie Exploration Inc

Skillen Trust 11B #1

DST Test Number: 1

Pressure vs. Time

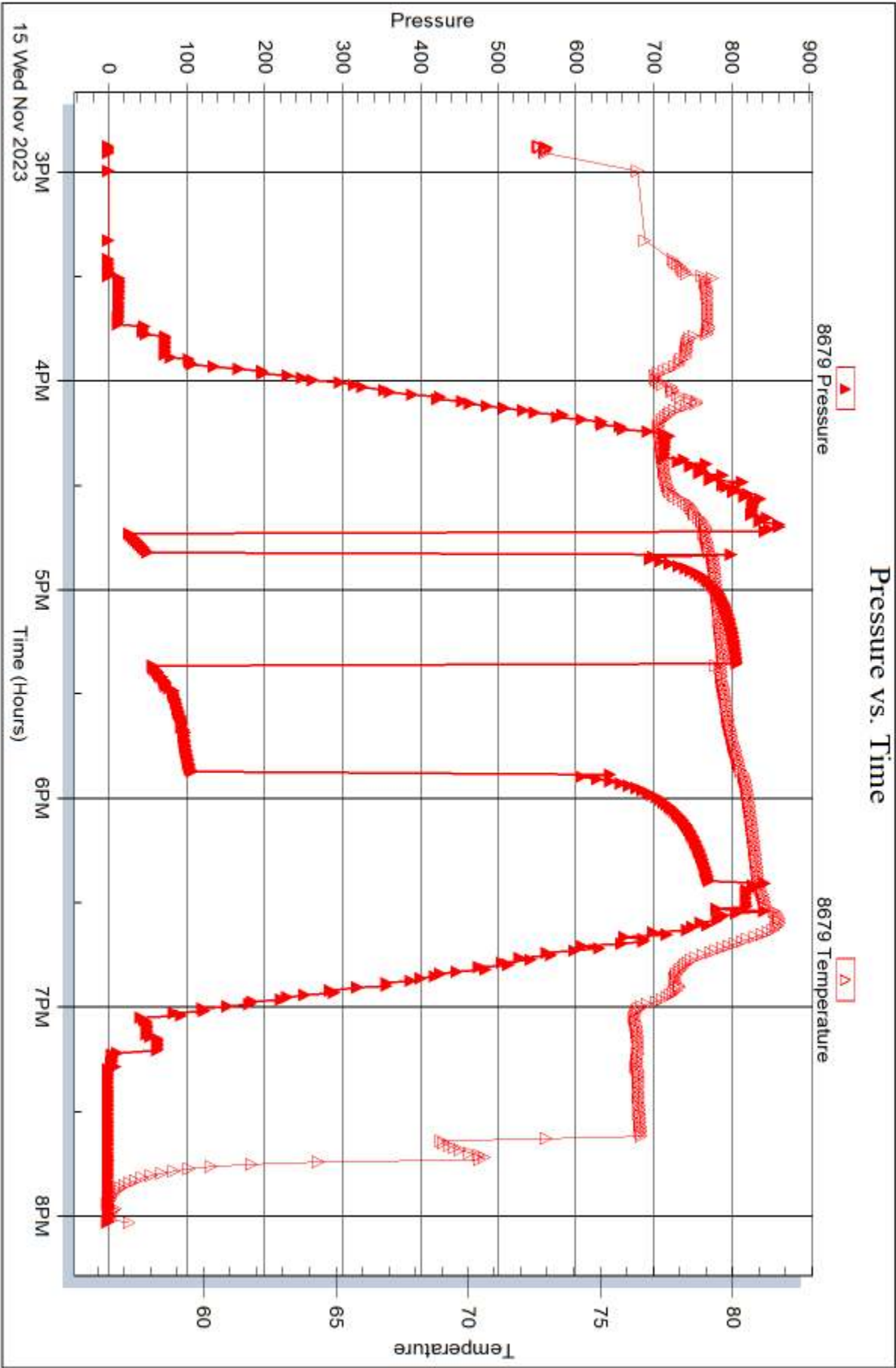


Serial #: 8679

Ritchie Exploration Inc

Skillen Trust 11B #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration Inc**

8100 E 2nd St N#700
Wichita, KS 67278

ATTN: John Goldsmith

Skillen Trust 11B #1

11-29S-5W Kingman, KS

Start Date: 2023.11.21 @ 04:40:00

End Date: 2023.11.21 @ 14:39:47

Job Ticket #: 71093 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.11.27 @ 08:53:31



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Ritchie Exploration Inc

8100 E 2nd St N#700
Wichita, KS 67278

ATTN: John Goldsmith

11-29S-5W Kingman, KS

Skillen Trust 11B #1

Job Ticket: 71093

DST#: 2

Test Start: 2023.11.21 @ 04:40:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:17:02

Time Test Ended: 14:39:47

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 72

Interval: 4375.00 ft (KB) To 4387.00 ft (KB) (TVD)

Reference Elevations: 1406.00 ft (KB)

Total Depth: 4387.00 ft (KB) (TVD)

1398.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8372 Inside

Press@RunDepth: 1633.62 psig @ 4381.00 ft (KB)

Capacity: psig

Start Date: 2023.11.21

End Date:

2023.11.21

Last Calib.:

2023.11.21

Start Time: 04:40:01

End Time:

14:39:47

Time On Btm: 2023.11.21 @ 07:15:32

Time Off Btm: 2023.11.21 @ 10:22:17

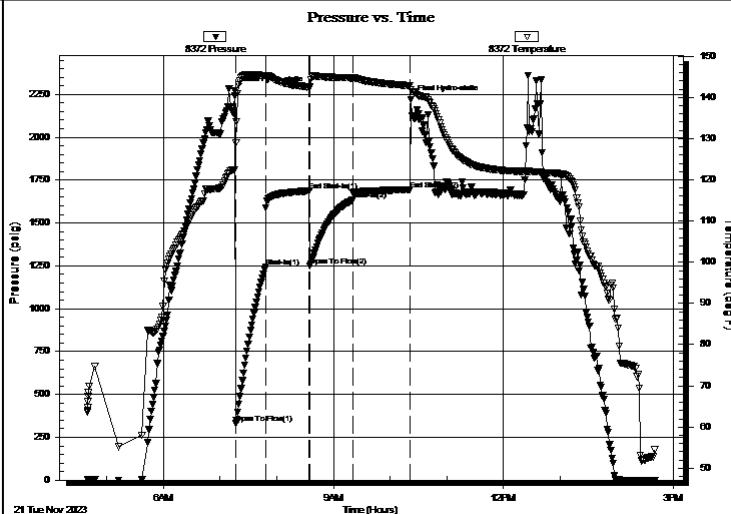
TEST COMMENT: IF: Strong Blow , BOB in 90 seconds, Built to 347.81"

IS: 6.28" Blow Back

FF: Strong Blow , BOB in 90 seconds, Built to 257.04", Died Off to 246.94"

FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2271.99	122.49	Initial Hydro-static
2	333.18	129.06	Open To Flow (1)
33	1245.64	145.30	Shut-In(1)
79	1686.87	142.49	End Shut-In(1)
80	1249.01	142.36	Open To Flow (2)
126	1633.62	144.71	Shut-In(2)
186	1694.08	142.79	End Shut-In(2)
187	2220.33	141.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3301.00	Water	46.30
68.00	MCW 40%M 60%W	0.95

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Ritchie Exploration Inc

8100 E 2nd St N#700
Wichita, KS 67278

ATTN: John Goldsmith

11-29S-5W Kingman, KS

Skillen Trust 11B #1

Job Ticket: 71093

DST#: 2

Test Start: 2023.11.21 @ 04:40:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:17:02

Time Test Ended: 14:39:47

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 72

Interval: 4375.00 ft (KB) To 4387.00 ft (KB) (TVD)

Total Depth: 4387.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1406.00 ft (KB)

1398.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8365 Outside

Press@RunDepth: psig @ 4381.00 ft (KB)

Start Date: 2023.11.21

End Date:

2023.11.21

Start Time: 04:40:01

End Time:

14:39:47

Capacity: psig

Last Calib.:

2023.11.21

Time On Btm:

Time Off Btm:

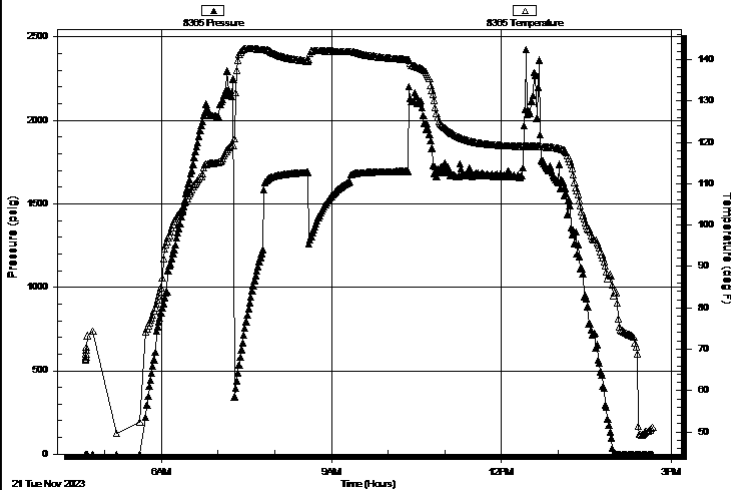
TEST COMMENT: IF: Strong Blow, BOB in 90 seconds, Built to 347.81"

IS: 6.28" Blow Back

FF: Strong Blow, BOB in 90 seconds, Built to 257.04", Died Off to 246.94"

FS: No Blow Back

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
3301.00	Water	46.30
68.00	MCW 40%M 60%W	0.95

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration Inc

11-29S-5W Kingman,KS

8100 E 2nd St N#700
Wichita,KS 67278

Skillen Trust 11B #1

Job Ticket: 71093

DST#: 2

ATTN: John Goldsmith

Test Start: 2023.11.21 @ 04:40:00

Tool Information

Drill Pipe:	Length:	4372.00 ft	Diameter:	3.80 inches	Volume:	61.33 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:	70000.00 lb
					Total Volume:	61.33 bbl	Tool Chased	ft
Drill Pipe Above KB:		26.00 ft					String Weight: Initial	54000.00 lb
Depth to Top Packer:		4375.00 ft					Final	66000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		12.00 ft						
Tool Length:		41.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4351.00	
Hydraulic tool	5.00			4356.00	
Jars	5.00			4361.00	
EM Tool	3.00			4364.00	
Safety Joint	2.00			4366.00	
Packer	5.00			4371.00	29.00 Bottom Of Top Packer
Packer	4.00			4375.00	
Stubb	1.00			4376.00	
Handling Sub	5.00			4381.00	
Recorder	0.00	8372	Inside	4381.00	
Recorder	0.00	8365	Outside	4381.00	
Perforations	3.00			4384.00	
Bullnose	3.00			4387.00	12.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration Inc

11-29S-5W Kingman,KS

8100 E 2nd St N#700
Wichita,KS 67278

Skillen Trust 11B #1

Job Ticket: 71093

DST#: 2

ATTN: John Goldsmith

Test Start: 2023.11.21 @ 04:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

64055 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3301.00	Water	46.304
68.00	MCW 40%M 60%W	0.954

Total Length: 3369.00 ft

Total Volume: 47.258 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW was .15 @ 51 degrees

Serial #: 8372

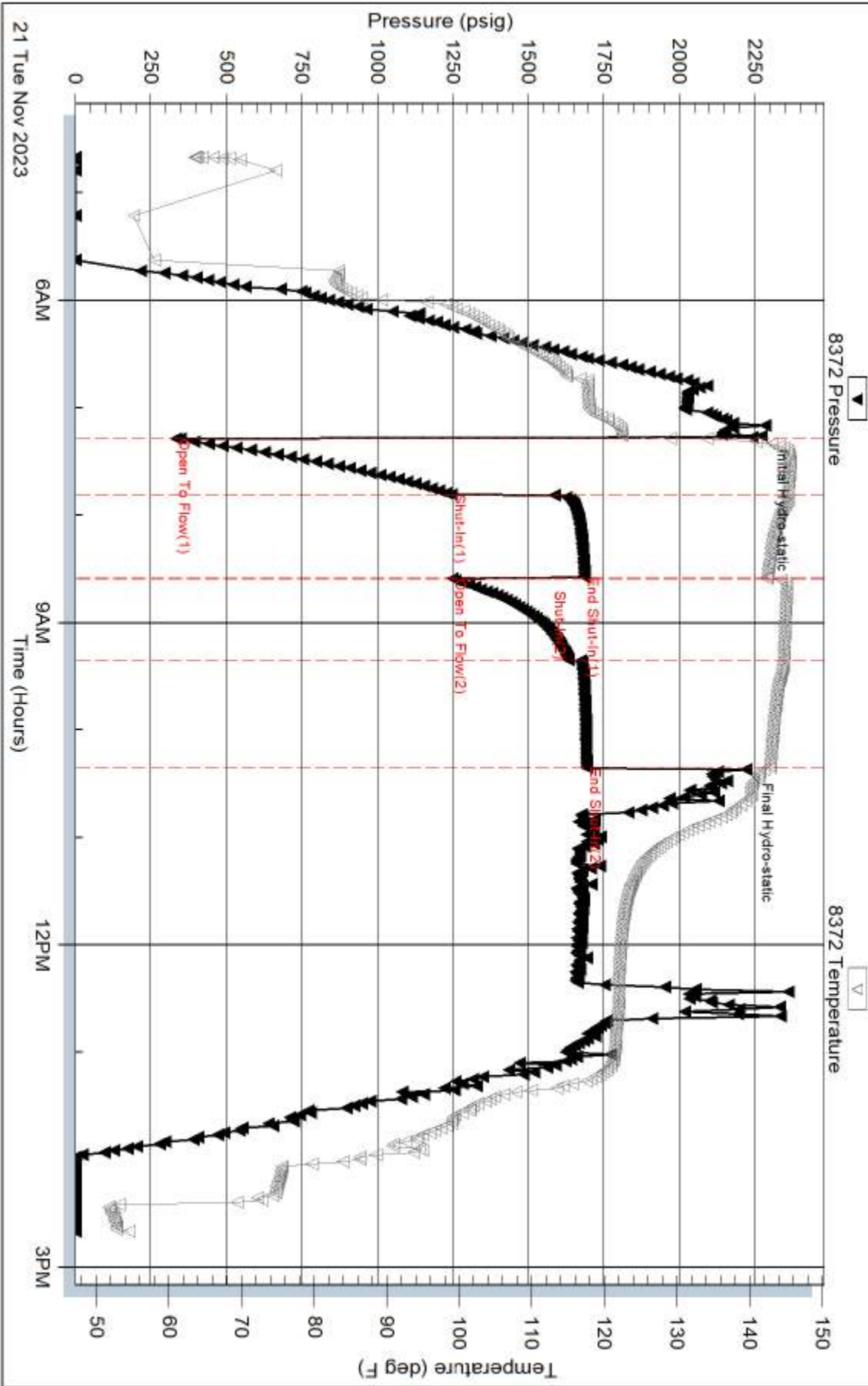
Inside

Ritchie Exploration Inc

Skallen Trust 11B #1

DST Test Number: 2

Pressure vs. Time

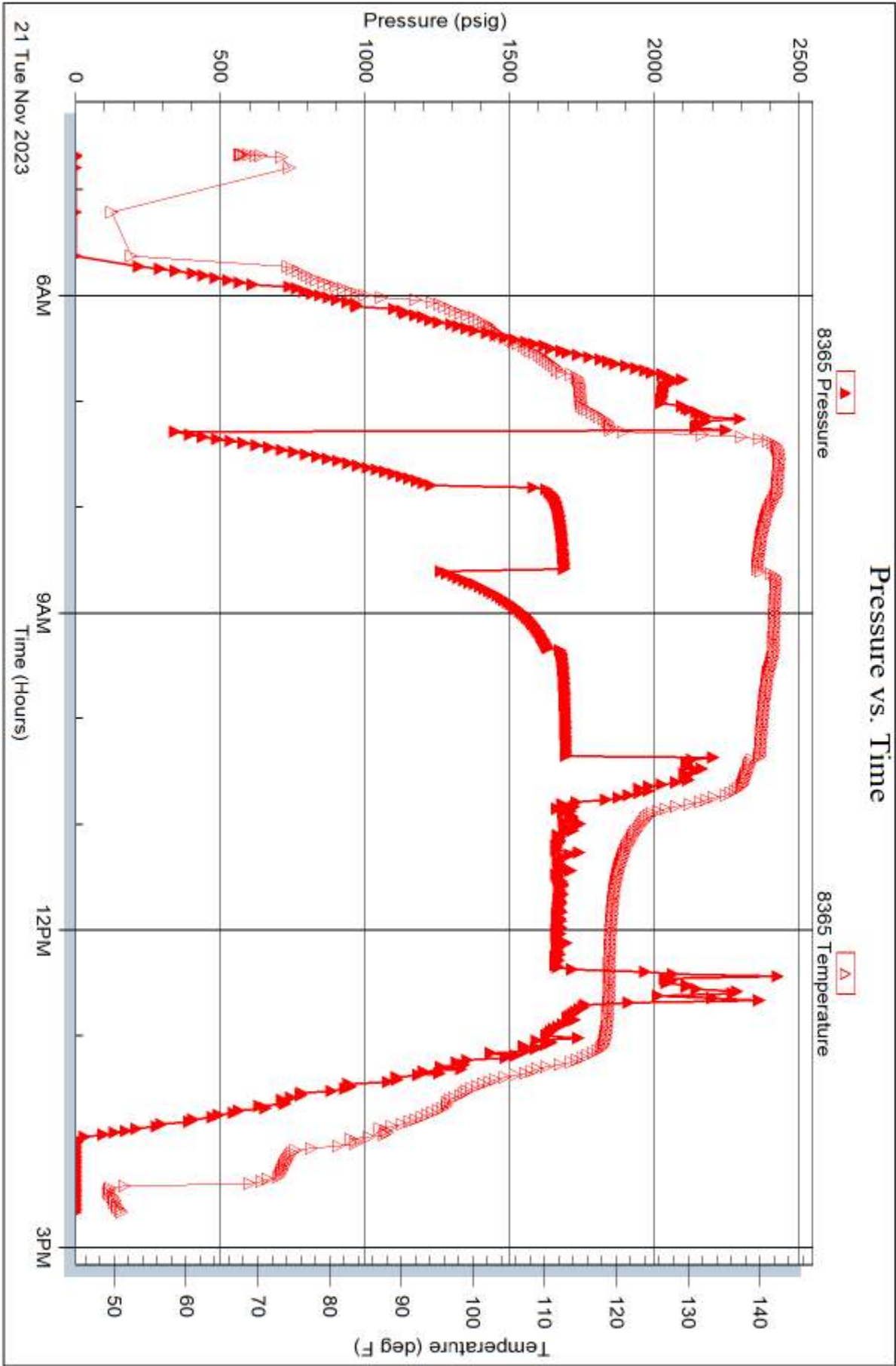


Serial #: 8365

Outside Ritchie Exploration Inc

Skillen Trust 11B #1

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71063

Well Name & No. Skilvan 11B #1 Test No. 1 Date 11/15/23
Company Blachie Elevation 1406' KB 1398' GL
Address 8100 E 2nd ST N#780 Wichita, KS 67228
Co. Rep / Geo John Goldsmith Rig Duke 2
Location: Sec. 11 Twp 29S Rge. 5W Co. Kingman State KS

Interval Tested 1756'-1820' Zone Tested India Caves
Anchor Length 64' Drill Pipe Run 1620' Mud Wt. 9.6
Top Packer Depth 1748' Drill Collars Run 115 Vis 30
Bottom Packer Depth 1752' Wt. Pipe Run 0 WL 0
Total Depth 1820' Chlorides 81,000 ppm System LCM 0

Blow Description IF: Fair Building Blow built to 5.54" (51)
ISI: no blow back. (30)
FF: Fair Building Blow built to 11.96" (30)
FSI: no blow back. (30)

Rec <u>178</u>	Feet of <u>Wm</u>	%gas	%oil	<u>42</u> %water	<u>58</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

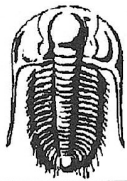
Rec Total 178 BHT 81 Gravity _____ API RW .108 @ 73 °F Chlorides 83,000 ppm

Initial Hydrostatic 857 852 ☒ Test 1800 ☐ Ruined Shale Packer
Initial Flow 27 to 52 ☒ Jars 300 ☐ Ruined Packer
Initial Shut-In 837 ☐ Circ Sub ☐ Hotel
Final Flow 57 to 109 ☐ Hourly Standby ☒ EM Tool Successful
Final Shut-In 773 ☒ Mileage 184 x2 217+217 ☐ Accessibility
Final Hydrostatic 816 ☐ Sampler ☐ Gas Sample
T- On Location 1352 ☐ Straddle ☐ Oversized Hole
Initial Flow 5 T-Started 1451 ☒ Shale Packer 250 ☐ Sub Total 800
Initial Shut-In 30 T-Open 1644 ☐ Extra Packer ☐ Total 3584
Final Flow 30 T-Pulled 1824 ☐ Extra Recorder ☐ Tool Loaded 11/16 @ 2032
Final Shut-In 30 T-Out 2001 ☒ Day Standby 1d .5h ☐ MP/DST Disc't

Comments _____

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **71093**

Well Name & No. 1 Skillen Trust 11 B Test No. 2 Date 11/21/23
 Company Ritchie Exploration inc Elevation 1406 KB 1398 GL
 Address _____
 Co. Rep / Geo John Goldsmith Rig Duke 2
 Location: Sec. 11 Twp 29S Rge. 5W Co. Kingman State KS

Interval Tested 4375 - 4387 Zone Tested Viola
 Anchor Length 12 Drill Pipe Run 4372 Mud Wt. 9.5
 Top Packer Depth 4370 Drill Collars Run 400 Vis 60
 Bottom Packer Depth 4375 Wt. Pipe Run 0 WL 9.2
 Total Depth 4387 Chlorides 6000 ppm System LCM 2

Blow Description IF: Strong Blow, BOBIN 90seconds, Built to 347.81"

FST: ~~NO BLOW~~ 6.28" Blow Back

EF: Strong Blow, BOBIN 90seconds, Built to 257.04, Died off to 246.94

FST: NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>68</u>	Feet of <u>MCW</u>	%gas	%oil	<u>60</u> %water	<u>40</u> %mud
Rec <u>3301</u>	Feet of <u>Water</u>	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 3369 BHT 145 Gravity _____ API RW .15 @ 51 °F Chlorides 64055 ppm

Initial Hydrostatic 2272 ☒ Test 1950 ☐ Ruined Shale Packer _____
 Initial Flow 333 to 1246 ☒ Jars 300 ☐ Ruined Packer _____
 Initial Shut-In 1687 ☒ Circ Sub Dropped Bar 50 ☐ Hotel _____
 Final Flow 1249 to 1633 ☐ Hourly Standby _____ ☐ EM Tool Successful -350
 Final Shut-In 1694 ☒ Mileage 130 217 + 217 ☐ Accessibility _____
 Final Hydrostatic 2220 ☐ Sampler _____ ☐ Gas Sample _____

T- On Location 01:30 ☐ Straddle _____ ☐ Oversized Hole _____
 Initial Flow 30 T-Started 04:40 ☒ Shale Packer 250 ☐ Sub Total -350
 Initial Shut-In 45 T-Open 07:17 ☐ Extra Packer _____ ☐ Total 2634
 Final Flow 45 T-Pulled 10:21 ☐ Extra Recorder _____ ☒ Tool Loaded 11/22 @ 14:30
 Final Shut-In 60 T-Out 14:39 ☐ Day Standby _____ ☐ MP/DST Disc't _____

Comments Dropped Bar, Reversed Out

Approved By _____ Our Representative [Signature]

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Wellsite Services, LLC

John Goldsmith
(316) 640-0236

427 Roosevelt St.
Cheney, KS 67025

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

Well Name: #1 Skillen Trust 11B
API: 15-095-22356
Location: 1568'FNL & 1338'FWL in Sec. 11-29S-5W
License Number: #4767
Spud Date: 11/13/2023
Surface Coordinates: Lat = 37.542854
Long = -97.839204
Bottom Hole Coordinates: 1 Degree Deviation
Ground Elevation (ft): 1,398
Logged Interval (ft): 2,700 To: 4,555
Formation: Arbuckle
Type of Drilling Fluid: Chemical

Region: Kingman Co.
Drilling Completed: 11/22/2023

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

OPERATOR

Company: Ritchie Exploration Inc.
Address: 8100 E 22nd St. N
Bldg. #700
Wichita, KS 67226

GEOLOGIST

Name: John Goldsmith
Company: Wellsite Service LLC
Address: 427 Roosevelt St.
Cheney, KS 67025
(316) 640-0236

DSTs

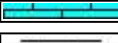
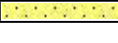
DST #1: 1,756' - 1,820' (Indian Caves) Recovered 178' water cut mud (42% water, 58% mud).
IFP: 27-52#/5" ISIP: 837#/30"
FFP: 57-109#/30" FSIP: 723#/30"

DST #2: 4,375' - 4,387' (Viola) Recovered 68' mud cut water (40% mud, 60% water) and 3,301' water.
Total fluid 3,369' (0.01% mud, 99.99% water), Chlorides 64,055/ppm.
IFP: 333-1246#/30" ISIP: 1687#/45"
FFP: 1249-1634#/45" FSIP: 1694#/60"

Formation Tops

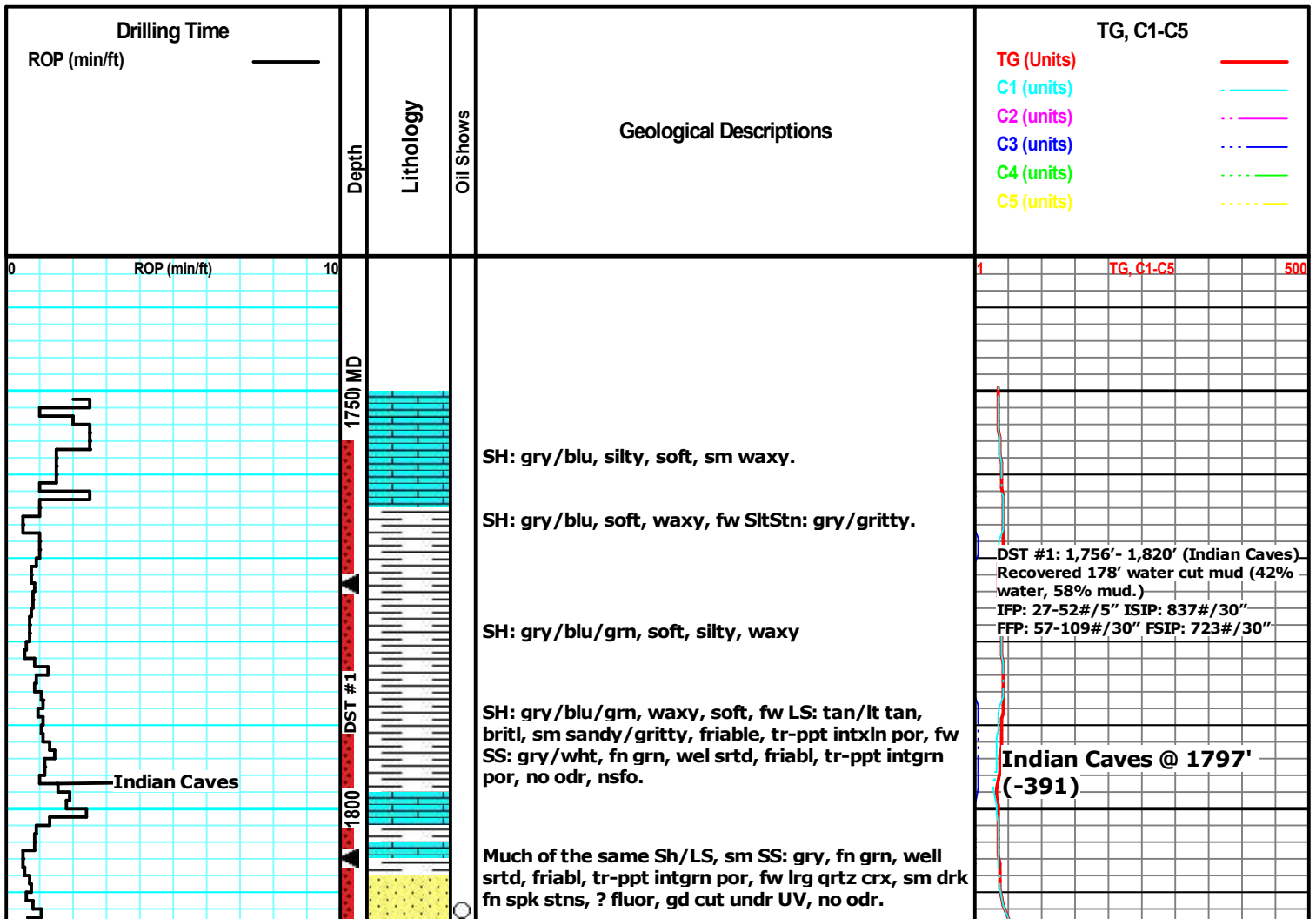
Formation	Sample Top	Formation	E-Log Top
Indian Caves	1797' -391	Indian Caves	1795' -389
Heebner	2794' -1388	Heebner	2798' -1392
Douglas	2882' -1476	Douglas	2884' -1478
Lansing	3332' -1926	Lansing	3334' -1928
Hushpuckney	3481' -2075	Hushpuckney	3481' -2075
BKC	3581' -2175	BKC	3581' -2175
Cherokee	3744' -2338	Cherokee	3743' -2337
Mississippi	3920' -2514	Mississippi	3919' -2513
Kinderhook	4258' -2852	Kinderhook	4260' -2854
Viola	4374' -2968	Viola	4376' -2970
Simpson	4420' -3014	Simpson	4422' -3016
Arbuckle	4496' -3090	Arbuckle	4499' -3093
RTD	4555' -3149	RTD	4556' -3150

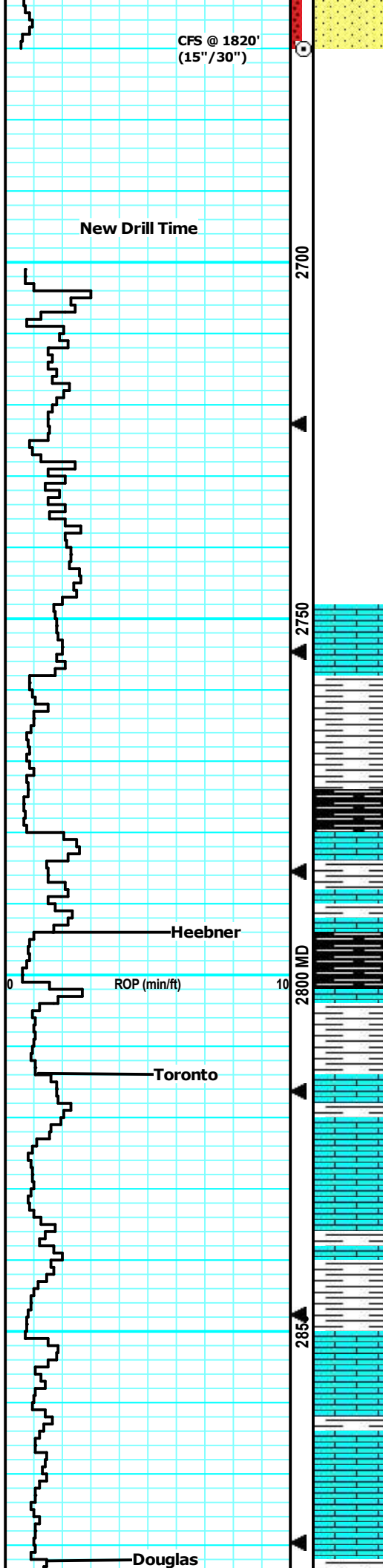
ROCK TYPES

 Anhy Cht	 Congl Dol	 Lmst Shale	 Blksh Sltst	 Ss
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ACCESSORIES

OIL SHOW	INTERVAL	EVENT
 Free oil	 Dst	 Cfs
 Staining		 Connection





30" Circ: Much of the same. influx of LS: tan/lt tan, tr-nvp, no cup odr, ns.

LS: tan/gry, mott, fn xln, sm v foss, sm 2nd rxln, med-crs xln, sm brittle, tr-nvp, no odr, ns.

LS: tan/lt brn, mott, fn xln, fw foss, mostly dense, sm britl, tr-nvp, no odr, ns.

LS: tan/lt gry, slight mott, fn xln, fw foss, sub-chlky, in prt, tr-nvp, no odr, ns.

Much of the same, lrg influx, SH: drk gry, med crush, waxy, no odr, ns.

SH: blk, silty, waxy, mostly carb, sm fissle, fw firm.

SH: blk, silty, waxy, carb, sm firm.

LS: gry/lt brn, mott, fn xln, dense, many hard, tr-nvp, fw Chert: drk brn, sharp, abund SH: drk gry/blk, sm carb, no odr, ns.

LS: lt tan/lt brn, fn xln, sub-chlky in prt, sm dense/hard, tr-nvp, no odr, ns.

LS: tan/lt gry, fn xln, sm foss, sm sub-chlky britl, tr-pt intxln por, v fw scat vugs, no odr, ns.

LS: gry/tan, slight mott, fn xln, many dense, sm scat vuggy por in foss, no odr, ns.

LS: tan/lt tan, slight mott, fn xln, mostly dense, tr-nvp, no odr, ns.

Much of the same, no odr, ns.

LS: tan/lt gry, fn xln, mostly dense, sm ppt intxln por, mostly firm, tr-nvp, no odr, ns.

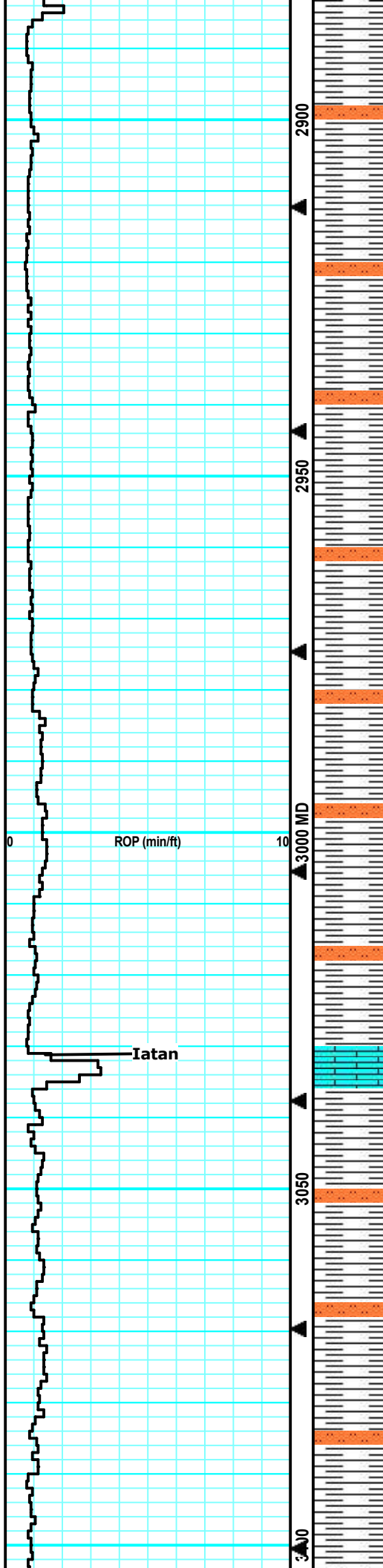
LS: tan/lt brn, mott, fn xln, sm sandy/gritty, drk

25 Unit Gas Kick
Survey @ 1820' = 3/4 Degree
Pipe strap = 0.22' Short

Heebner @ 2794' (-1388)

Toronto @ 2814' (-1408)

Douglas @ 2882' (-1476)



LS: tan/lt brn, mott, fn xln, sm sandy/gritty, dirty, tr-ppt intxln por in sm, no odr, ns.

LS: tan/yel, slight mott, sandy/gritty, mostly firm, tr-ppt intxln por in sm, lrg infx SH: gry/blu/drk, no odr, ns.

Much of the same, lrg infx SH: gry/drk gry, waxy, sm soft, no odr, ns.

Much of the same.

SH: gry/drk gry, med crush, sm waxy, fw LS: tan/lt brn, mott, sandy, arg, tr-nvp, no odr, ns.

Same As Above.

SH: gry/drk gry, med crush, sm waxy, no odr, ns.

Much of the same.

SH: drk/gry/blk, silty, med crush, no odr, ns.

Same as Above.

SH: drk gry/gry, med crush, fw waxy, no odr, ns.

LS: tan/gry, slight mott, fn xln, dense, hard, tr-nvp, abund SH: gry/drk gry, no odr, ns.

SH: gry/brn/drk gry, med crush, fw waxy, no odr, ns.

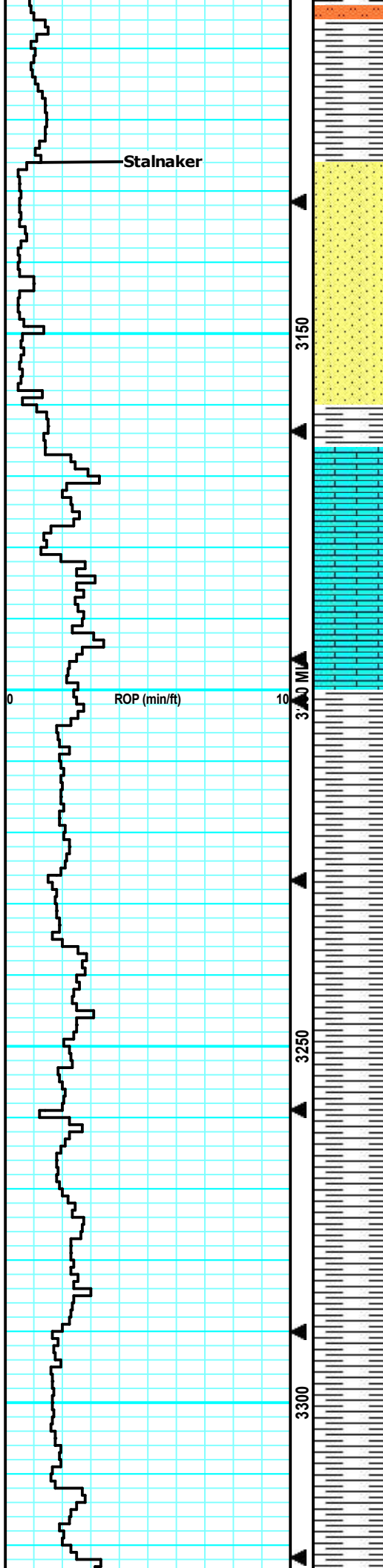
SH: gry/brn, med/firm, sm fissile, fw waxy, no odr, ns.

Much of the same.

SH: gry, med crush, waxy, fw Slit Stn: lt gry, gritty, friabl, no odr, ns.

TG, C1-C5

500



Same as above.

SH: gry/lt gry, med crush, fw waxy.

SS: crm/lt gry, fn gr, sub-rnd, wel srted, sil cement, med crush, tr-ppt intgrn por, sm drk min specs, no fluor, no odr, nso.

SS: crm/lt tan/lt gry, sm mott clr, fn grn, wel srt, sm dense firm, tr-ppt intxln por, drk min specs, no flour/cut, nsfo.

SS: lt tan/lt gry, slight mott, fn-med grn, fr sort, med crush, fribl, ppt-fr intgrn por in sm, no flour/cut, nsfo.

LS: tan/gry, mott, fn xln, foss/ool, sub-chlky, tr-nvp, fw SS: as desc above, abund SH: gry, med crush, no odr, ns.

Much of the same.

SH: gry/blu/drk gry, waxy, fw LS: gry, fn xln, dense, hard, tr-nvp, no odr, ns.

LS: gry, slight mott, fn xln, dense, hard, sm flakey/mealy, tr-nvp, abund SH: gry/drk gry, med/firm, no odr, ns.

SH: gry/drk gry, med crush, svrl LS: gry/tan, mott, foss, many hard, tr-nvp, no odr, ns.

SH: gry/drk gry, med crush, fw waxy, no odr, ns.

Much of the same.

SH: gry/drk gry, soft-med, fw fissile, no odr, ns.

Same as above.

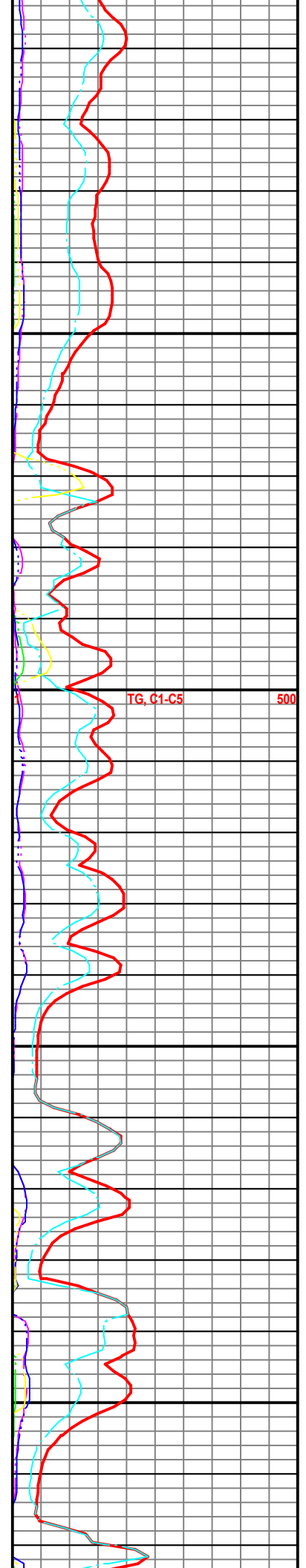
SH: drk gry/gry, med crush, fw firm, no odr, ns.

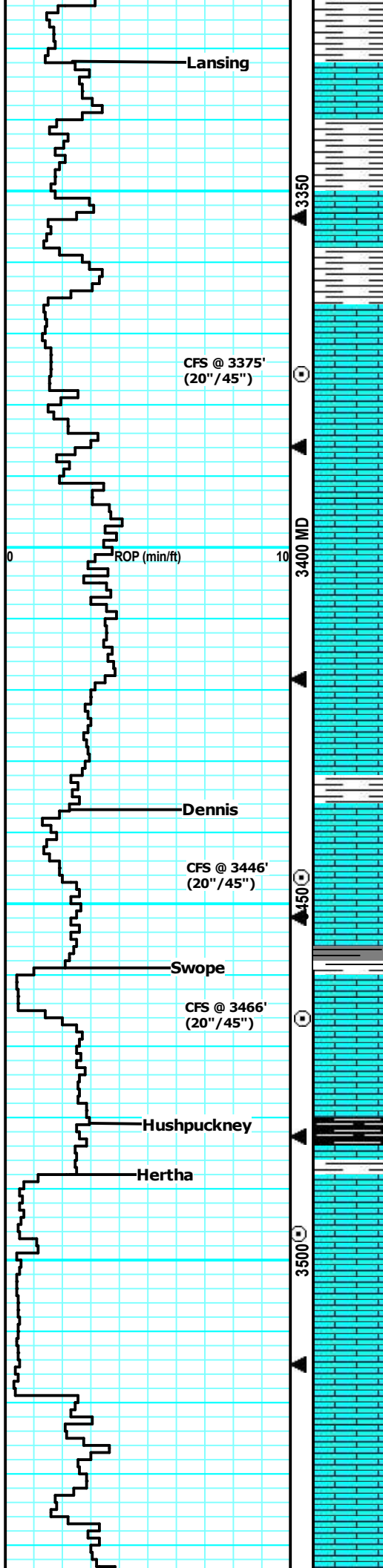
Same as above.

SH: gry/drk gry, med crush, fw firm, fw LS: drk gry, hard, tr-nvp, no odr, ns.

Much of the same.

SH: gry, med crush, sm LS: drk gry/drk brn, fn xln, dense, v hard, tr-nvp, no odr, ns.





LS: tan/gry, slight mott, fn xln, mostly dense/hard, sm flakey/mealy, sub-chlky in prt, tr-nvp, no odr, ns.

LS: gry/lt brn, mott, fn xln, sm v foss, many dense/hard, tr-nvp, no odr, ns.

LS: gry/lt brn, mott in prt, fn xln, dense, hard, 1-2 pcs w/ scat vuggy por w/ 2nd rxln, no odr, ns.

LS: tan/lt gry, slight mott, fn xln, fw foss, sub-chlky in prt, tr-nvp, no odr, ns.

LS: lt tan, sing, fn xln, sub-chlky, britl, tr-nvp, svrl pcs pur chl, no odr, ns.

LS: tan, fn xln, sm v ool, sm fr intool por, no odr, ns.

LS: tan/gry, fn xln, mostly dense, sm hard, tr-nvp, fw flakey/mealy, no odr, ns.

LS: tan/gry, slight mott, fn xln, dense, fw sub-chlky, many hard, flakey/mealy, tr-nvp, no odr, ns.

Same as above, massive dense LS, no odr, ns.

LS: gry/tan/lt brn, slight mott, fn xln, dense/hard, sm lrg calc incl, flakey/mealy, tr-nvp, no odr, ns.

LS: gry/lt brn, slight mott, fn xln, dense/hard, flakey/mealy, tr-nvp, no odr, ns.

LS: tan/lt brn, fn xln, mostly dense/hard, tr-nvp, 4-5 pcs w/ ool, britl, tr-pr intool por, ? cup odr, no flour ns.

Much of the same LS: tan/lt brn, mostly dense/hard, fw pcs w/ pos drk dead oil stns, no flour/cut, no cup odr, nsfo.

LS: gry/lt brn, fn xln, dense, hard, fw flakey/mealy, tr-nvp, fw pcs Chert: brn, sharp, no odr, ns.

LS: tan, fn xln, sm v ool, sm v gd intool & oolcast por, no flour, no odr, ns.

LS: tan/lt gry, mott in prt, fn xln, dense, hard, fw flakey/mealy, tr-nvp, no odr, ns.

LS: gry/lt tan, sing, fn xln, dense, tr-nvp, fw SH: drk gry/blk, silty, no odr, ns.

LS: tan, fn xln, sm v ool, mostly britl, gd vuggy intool por, no flour, no cut, no odr, ns.

LS: tan/lt brn, sm v ool, vuggy por in sm, no flour/cut, nsfo.

LS: tan/lt brn, v ool, mostly britl, gd vuggy intool/oolcast por, no flour/no cut, nsfo.

LS: gry/lt brn, slight mott, fn-crs xln, dense, hard, sm flakey/mealy, tr-nvp, svrl SH: drk gry, no odr, ns.

LS: tan/lt tan/grn, fn xln, sandy/gritty, sub-chlky, brittle, tr-nvp, fw hard/flakey, no odr, ns.

LS: tan/gry/lt brn, fn xln, sm sandy/gritty

Lansing @ 3332' (-1926)

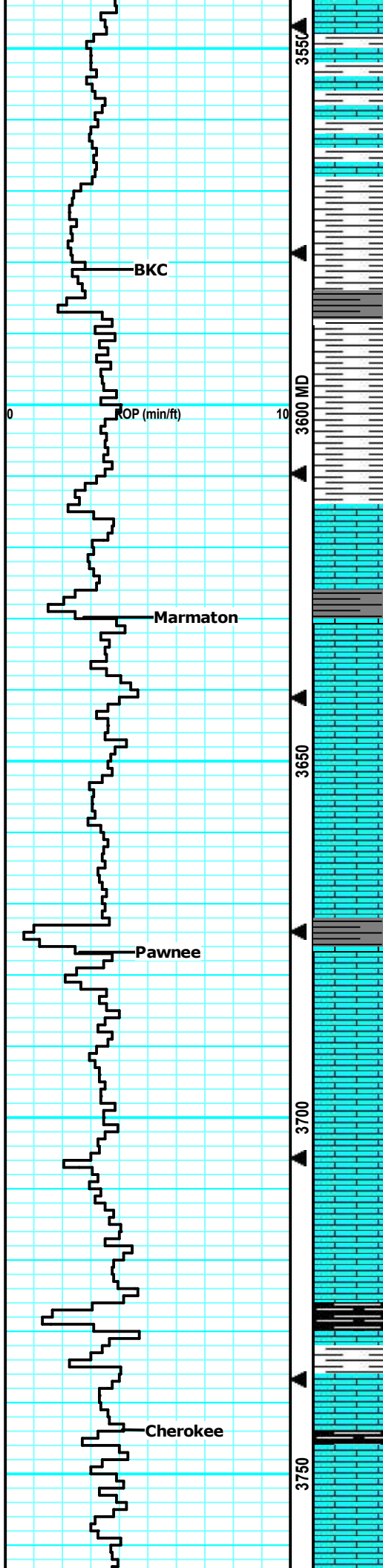
TG, C1-C5

500

Gas Chromatograph had air leak. Fixed and Re-Zeroed

Hush 3481' (-2075)

Both Gas Kicks were after circulating to test equipment.



LS: tan/gry/lt brn, fn xln, sm sandy/gritty, sub-chlky in prt, arg, tr-nvp, fw dense/hard, tr-nvp, no odr, ns.

Much of the same dense/hard, LS, no odr, ns.

LS: gry/tan/lt brn, dense/hard, tr-nvp, infx SH: drk gry, med crush, no odr, ns.

Much of the same dense/hard, LS, tr-nvp, abund SH: drk gry/gry, no odr, ns.

SH: gry/drk gry/blk, silty, soft, sm waxy, fw fissile, no odr, ns.

SH: gry, soft, med crush, no odr, ns.

SH: gry/drk gry, sm waxy, no odr, ns.

LS: gry/lt brn, fn xln, sandy/grny, many hard, tr-pr ppt intxln por in fw pcs, abun SH: drk gry, no odr, ns.

SH: drk gry/blk, soft, no odr, ns.

LS: gry/tan, mott in prt, fn-crs xln, many flakey/mealy, tr-pr intxln por in sm, fw pcs w/ drk brn min specs, no flour/cut, no odr, nsfo.

LS: gry/lt tan, slight mott, fn xln, sub-chlky in prt, tr-nvp, no odr, ns.

LS: gry/lt tan, slight mott, fn xln, sub-chlky in prt, fw flakey/mealy, tr-nvp, no odr, ns.

SH: drk gry/blk, soft, fw fissile, no odr, ns.

LS: lt tan/gry, sing, micro-fn xln, dense, sub-chlky in prt, tr-nvp, svrl SH: drk gry/blk, no odr, ns.

LS: gry, fn xln, dense, sm hard, sub-chlky in prt, tr-nvp, no odr, ns.

Much of the same dense, hard, LS, no odr, ns.

LS: gry, fn xln, dense, sm very hard, tr-nvp, no odr, ns.

SH: drk gry/blk, med crush, sm fissile.

LS: gry/tan, mostly dense, hard, tr-nvp, fw flakey/mealy, tr-nvp, no odr, ns.

SH: drk gry, med crush, fw waxy like, no odr, ns.

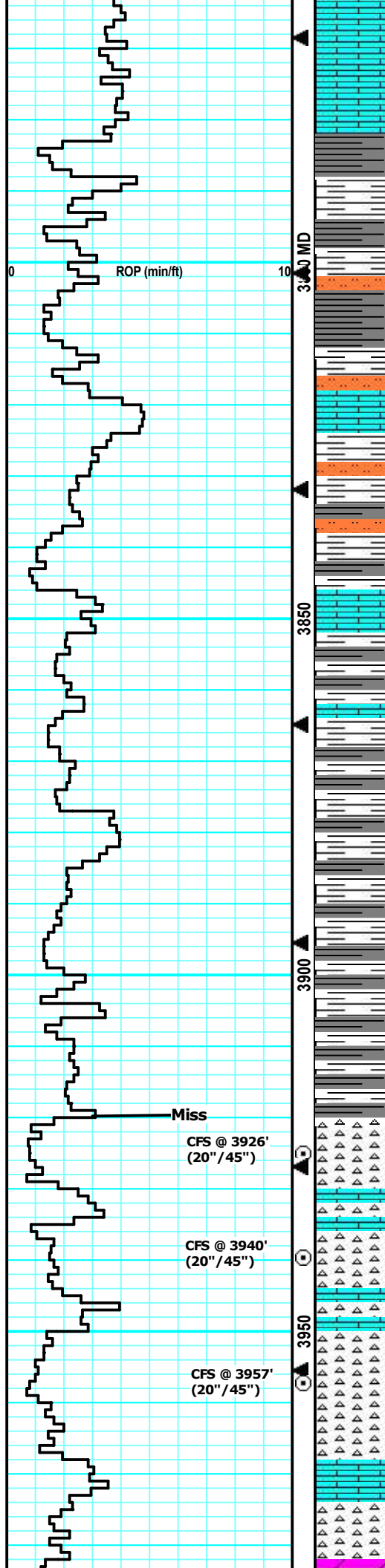
LS: gry/lt brn, fn xln, dense, hard, massive, tr-nvp, svrl SH: drk gry/brn, sm strky, fissile, no odr, ns.

BKC @ 3581' (-2175)

TG, C1-C5

500

Cherokee @ 3744' (-2338)



LS: gry, fn xln, dense, hard, fw sub-chlky in prt, tr-nvp, no odr, ns.

LS: gry, fn xln, dense, sub-chlky, mostly hard, tr-nvp, infx SH: drk gry/gry, soft, no odr, ns.

SH: gry/blu-grn/blk, silty, soft, sm waxy, fw carb, fissile, no odr, ns.

Much of the same.

SH: drk gry/brn/gry, fw LS: drk brn/gry, fn xln, dirty, lrg incls, v hard, tr-nvp, no odr, ns.

SH: gry/drk gry, silty, soft, fw SltStn: org/brn, gritty, friable, no odr, ns.

LS: gry/lt brn, fn xln, dense, hard, sub-chlky in prt, tr-nvp, no odr, ns.

SH: gry/purp/red, soft, waxy, fissile, fw SltStn: brn, gritty, friabl, fw LS: gry/grn, glauc, hard, sub-chlky, tr-nvp, no odr, ns.

Various Shales, mostly soft, sm fissile, fw LS: tr-nvp, no odr, ns.

LS: gry/grn, fn xln, mostly dense, britl in prt, slight gritty/sandy, tr-nvp, no odr, ns.

SH: gry/drk gry/grn, silty, waxy, soft, fw LS: grn/gry, crs xln, dense, v hard, blocky, glauc, nvp, no odr, ns.

Much of the same, mostly SH, fw the dense/hard LS, no odr, ns.

SH: gry/purp/yel/grn, soft, fw fissile, wthrd in prt, svrl LS: gry/tan, slight mott, fn xln, dense, hard, tr-nvp, no odr, ns.

Much of the same, abund of wthrd SH and fw LS, tr-nvp, no odr/ns.

SH: purp/gry/yel, wthrd, sm gritty, sm LS: gry/grn, wthrd, glauc, dirty, tr-nvp, no odr, ns.

SH: gry/purp/brn/yel, wthrd, fissile, soft, fw LS: gry/brn, mott, dirty, tr-nvp, no odr, ns.

Cherty/LS: lt tan/crm, wthrd/re-wrk, arg, ppt intxln por in sm, hard, no flour or odr, nsfo.

Chert: lt tan/crm, dirty, sm pr ppt intxln por, fw pcs w/ sml drk specs, no flour/cut, no odr, nsfo, abund SH.

45" Smpl: Much of the same lt tan Chert, no flour/cut, no stn, no odr, ns.

Chert: crm/lt tan, pr ppt intxln por in v fw, clean, fw LS: lt tan, fn xln, sub-chlky, tr-nvp, no odr, ns.

Chert: crm/lt tan, sing, sm pr ppt intxln por, fw LS: crm, fn xln, sub-chlky, firm, tr-nvp, no odr, ns.

Chert: crm/lt tan, sing, hard, fw pcs w/ tr-pr ppt intxln por, svrl LS: crm/lt tan, sing, fn xln, dense, sub-chlky, tr-nvp, no odr, ns.

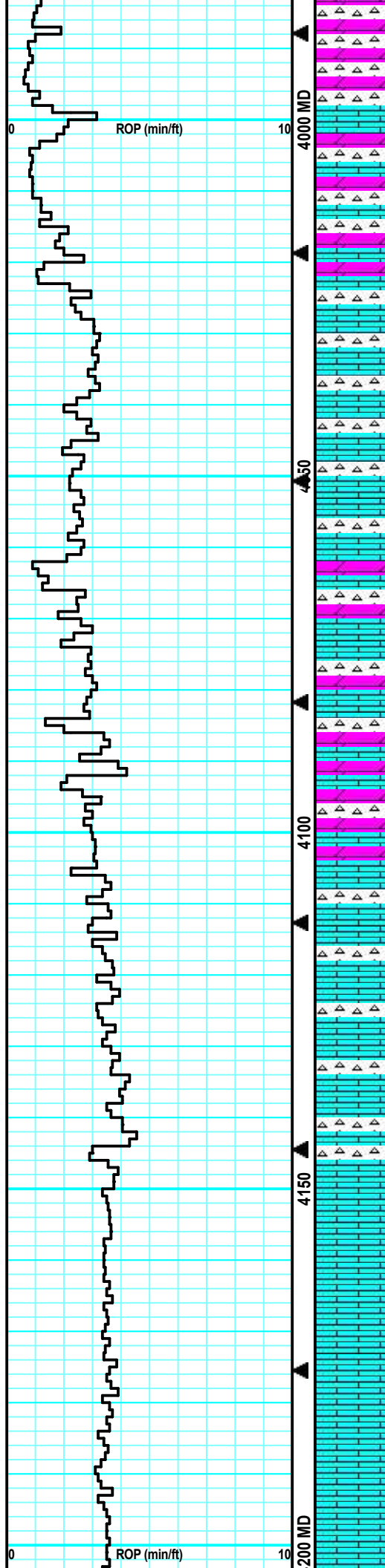
Much of the same, no odr, ns.

Chert: crm/lt tan, dense, hard, tr-ppt intxln por in

TG, C1-C5

500

Miss 3920' (-2514)



sm, fw LS: crm/lt tan, sub-chlky, dense, tr-nvp, no odr, ns.

As above, a fw DOL: lt tan/lt gry, fn xln, sucr, sm hard, tr-ppt intxln por in sm, no odr, ns.

LS: crm/lt tan, fn xln, sub-chlky, tr-nvp, fw Chert: crm/lt tan, hard, tr-ppt intxln por, infx of DOL: lt tan/lt gry, sucr, firm, tr-ppt intxln por in sm, no odr, ns.

LS: crm/lt tan, fn xln, sub-chlky in prt, sm hard, tr-ppt intxln por, fw DOL: lt tan/lt gry, fn xln, sucr, hard, tr-ppt intxln por, fw Chert: wht/crm, nvp, no odr, ns.

LS: lt tan, sing, fn xln, dense, sm hard, tr-nvp, fw Chert: wht/opaq, sm foss, tr-nvp, no odr, ns.

Much of the same as above.

LS: lt tan, micro-fn xln, dense/hard, tr-nvp, svrl Chert: wht/opaq, foss, sm sharp, tr-nvp, no odr, ns.

Much of the same.

LS: lt tan, slight mott, fn xln, mostly dense/hard, sub-chlky in prt, tr-nvp, svrl Chert: wht/opaq, foss, fw DOL: lt gry, fn xln, sucr, hard, tr-nvp, no odr, ns.

As above.

LS: tan, sing, fn xln, dense, tr-nvp, fw DOL: lt gry, fn xln, sucr, hard, tr-nvp, sm Chert: wht/opaq, sharp, rar scat vugs, no odr, ns.

50/50 Dol & LS, sub-chlky in prt, tr-nvp, fw Chert: wht/opaq, pr por in v fw, no odr, ns.

LS: lt tan/lt gry, fn-med xln, mostly dense, sub-chlky in prt, hard, tr-nvp, fw pcs pur chl, no odr, ns.

Much of the same.

LS: lt tan/lt gry, fn-med xln, dense, sm hard, fw flakey/mealy, sub-chlky in prt, tr-nvp, svrl Chert: wht/lt gry, trans, fw pyr, pr scat vuggy por in sm, no odr, ns.

LS: lt tan/lt gry, med xln, dense/hard, fw flakey/mealy, sub-chlky, tr-nvp, fw Chert: wht/lt gry, no odr, ns.

Much of the same.

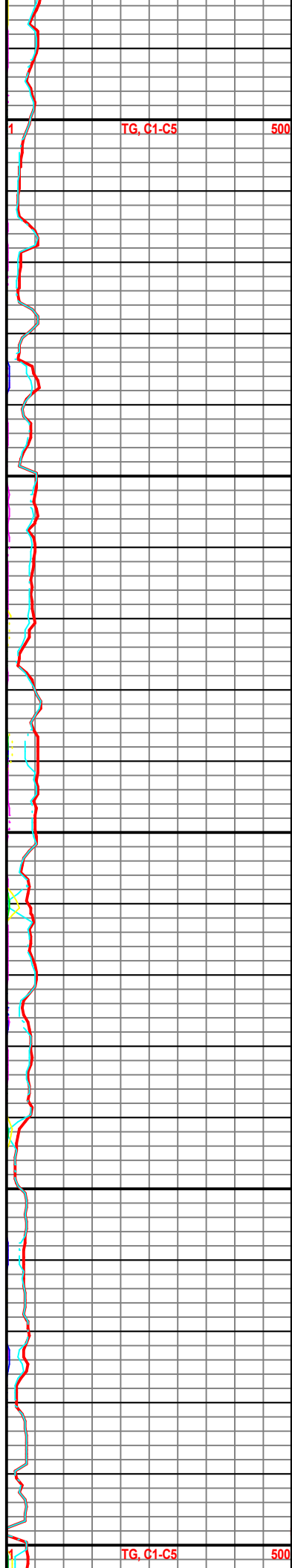
LS: gry, fn xln, dense, sm hard, tr-nvp, svrl Chert: gry/tran, smokey, sharp, no odr, ns.

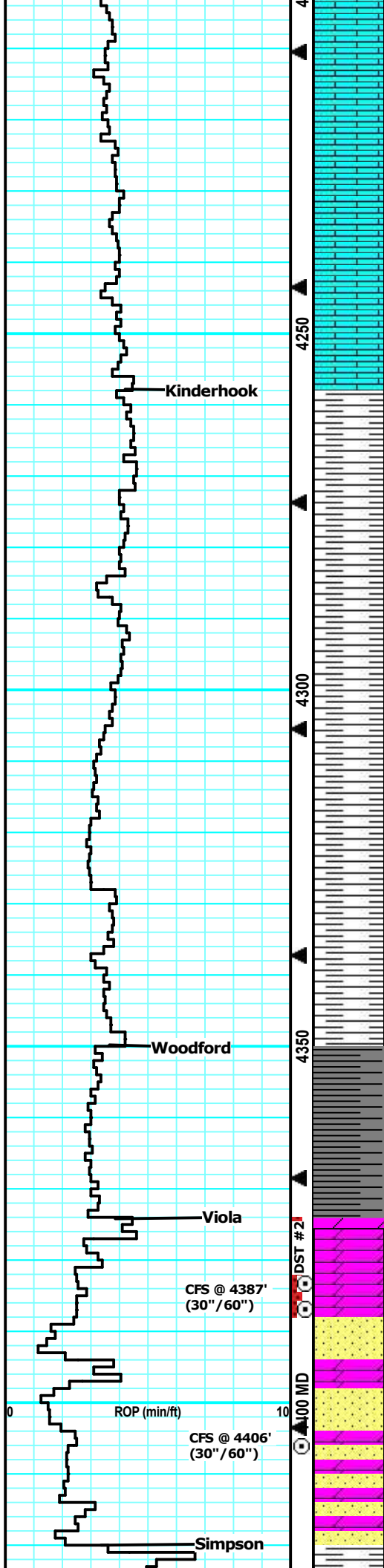
As above.

SH: gry/brn/grn, mott, fissile, med crush, fw same LS: gry, med xln, flakey/mealy, tr-nvp, no odr, ns.

SH: gry/brn/grn/yel, fissile, med crush, sm wthrd, pos slough from above?

Much of the same.





Mostly SH: gry/brn/yel, soft, sm wthrd, fw SltStn: lt brn, gritty, friabl, svrl LS: gry/tan, mott, fn xln, tr-nvp, no odr, ns.

SH: gry/brn/grn/yel, fissil, many wthrd, fw LS: gry, fn-med xln, tr-nvp, no odr, ns.

Mostly wthrd SH: gry/brn/yel/blu, fw LS: gry/tan, fn xln, tr-nvp, no odr, ns.

Mostly the same.

SH: gry/brn/yel/grn, wthrd, mott colr, med crush, fw waxy, no odr, ns.

Mostly the same.

SH: gry/grn/yel/purp, sm wthrd, soft, fw waxy, no odr, ns.

Mostly SH: gry/brn/grn/yel/purp, wthrd, fissile, med crush.

As above.

SH: drk gry/gry, silty, sm waxy, med-firm.

Much of the same gry/drk gry SH.

SH: gry, sm gritty, med crush, fw waxy.

SH: gry, sm gritty, med-firm crush.

As above.

SH: gry/drk gry/grn, multi-color, med crush, fw waxy.

SH: drk gry/blk, many dark carb, gritty/sandy, pyr, sm sparkl/specs, 2-3 pcs SS: gry, fn grn, wel srtd, friable, fr intgrn por, no flour/cut, no odr, ns.

DOL: gry, mott, crs xln, cherty, lrg xln nods, sm scat vugs, drk hvy stns in por, dul yel flour/stnm cut, gd sfo on brk, with gas bubs, faint cup odr.

Abund SH: gry/drk gry/grn, silty, svrl SS: lt gry/wht, fn grn, wel srtd, sub-rnd, pos DOL, friable, mostly baron, 2-3 pcs w/ drk brn spcs in por, fr sho fo on brk, no cup odr.

SS: gry/lt brn, fn xln, arg, pos DOL, dirty, fn grn, fr srtd, friabl, tr-pr intgrn por, fw pcs firm to crush, nsfo, no odr.

SS: gry, fn grn/arg, dirty, pos dol, hard, tr-pr intxln por, sm drk dead oil specs, no odr, nsfo.

DOL: gry, sandy/grainy, crs xln, lrg drk min nod

Kinderhook @ 4258' (-2852)

DST #2: 4,375'- 4,387' (Viola) Recovered 68' mud cut water (40% mud, 60% water) and 3,301' water. Total fluid 3,369' (0.01% mud, 99.99% water), Chlorides 64,055/ppm. IFP: 333-1246#/30" ISIP: 1687#/45" FFP: 1249-1634#/45" FSIP: 1694#/60"

Viola @ 4374' (-2868)

Survey @ 4387' = 1 Degree
Pipe strap = 1.42' short

TG, C1-C5 500

Simpson @ 4420' (-3014)

