

ROGER L. MARTIN

INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY VESS OIL CORPORATION
LEASE COMEAU 'B' #1
FIELD CODELL
LOCATION 330'FNL & 330'FEL
SECTION 13 TOWNSHIP 10S RANGE 17W
COUNTY ROOKS STATE KANSAS

ELEVATIONS

KB 1966' GL 1958'

Measurements Are All

From KB

API 15-163-24344-00-00

CONTRACTOR DISCOVERY DRILLING, RIG #2
SPUD 09/21/2017 COMP 09/29/2017
RTD 3538' (-1672) LTD N/A
ELECTRICAL SURVEYS

CASING

SURFACE 6 jts 8-5/8 23# LS set @
262.45'KB w/200 sx 60/40 poz,2% gel,3%cc

PRODUCTION N/A- P&A

N/A- NO OPEN HOLE E-LOGS

FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
			09/21/2017- SPUD 12 1/4" hole @ 1:30 PM. Ran 6
			jts of New 8 5/8", 23# LS casing. Set @ 262.45' KB.
ANHYDRITE	--	1184' (+782) (RLM)	Cemented by Basic w/200 sx 60/40 poz, 2% gel, 3%CC.
BASE ANHYDRITE	--	1219' (+747)	Cement did circulate.
			09/22/2017- Drilled plug @ 3:30 AM. Depth @ 7:00 AM:
TOPEKA	--	2872' (-906)	475'. Mud vis 27 sec/qt, wt 8.7 ppg
			09/23/2017- Depth @ 7:00 AM: 1803'.
OREAD	--	3032' (-1066)	Mud vis 29 sec/qt, wt 9.6 ppg
PLATTSMOUTH POR	--	3060' (-1094)	09/24/2017- Depth @ 7:00 AM: 2513'
HEEBNER	--	3094' (-1128)	Mud vis 28 sec/qt, wt 9.2 ppg
			09/25/2017- Depth @ 7:00 AM: 3066'.
LANSING	--	3139' (-1173)	DST #1- Plattsmouth- misrun, tool sliding, mud slightly
STARK	--	3336' (-1370)	out of spec from rain.
			09/26/2017- DST #2 Plattsmouth. Depth @ 7:00 AM:
BASE KANSAS CITY	--	3379' (-1413)	3070'. Mud vis 53 qt/sec, wt 9.1 ppg, WL 7.6
ARBUCKLE	--	3486' (-1520)	09/27/2017- DST #3 Toronto to Lansing 'F'
RTD	--	3538' (-1572)	Depth @ 7:00 AM: 3235'. Mud vis 53 sec/qt,
			wt 9.1 ppg, WL 7.6
			09/28/2017- Depth @ 7:00 AM: 3491'.
			Mud vis 53 qt/sec, wt 9.1 ppg, WL 11.6
			09/29/2017- RTD @ 3538'. Contacted Case
			Morris w/KCC for plugging.

REMARKS:

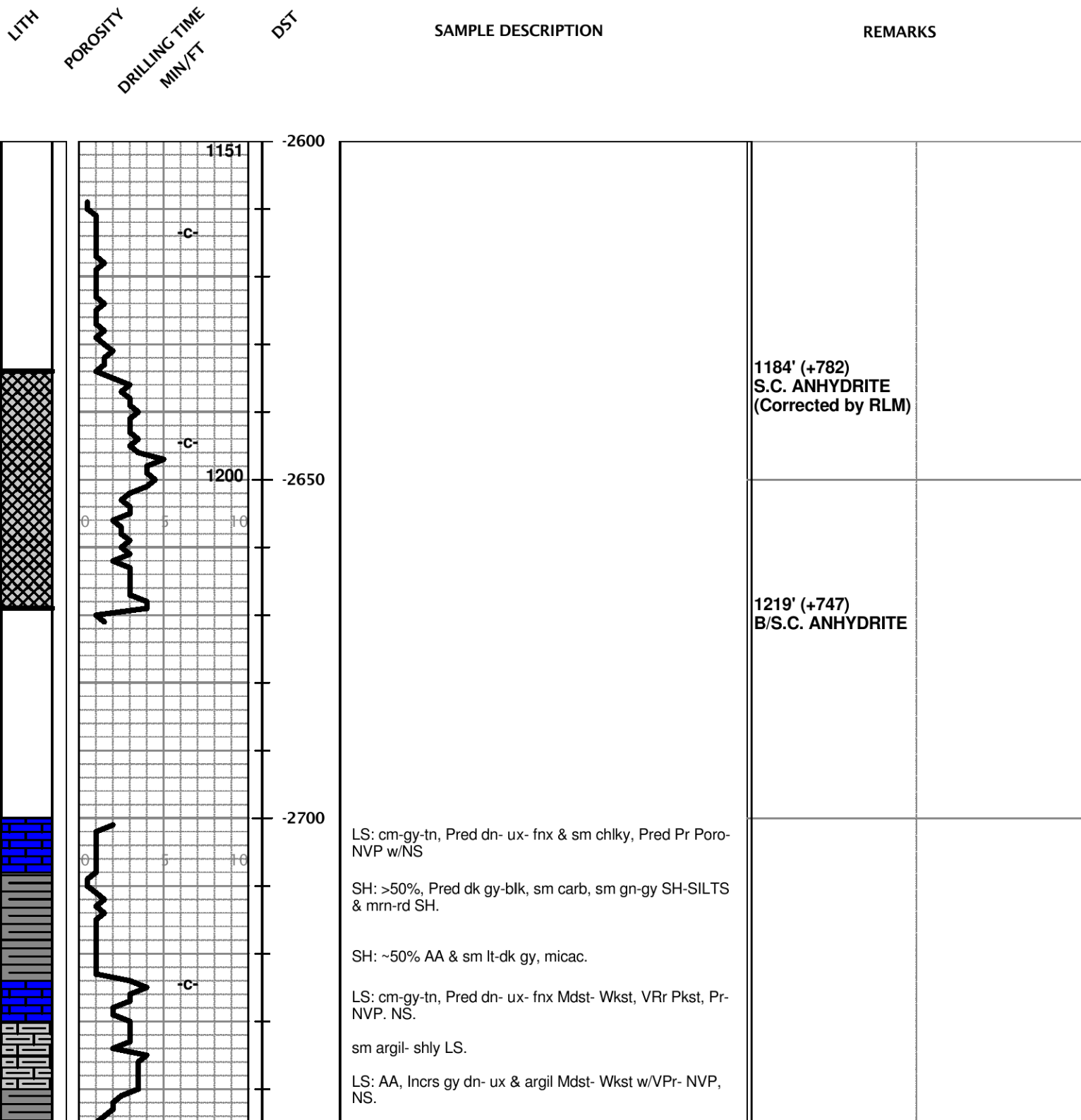
The decision was made to P&A the VOC Comeau 'B' #1 as follows:

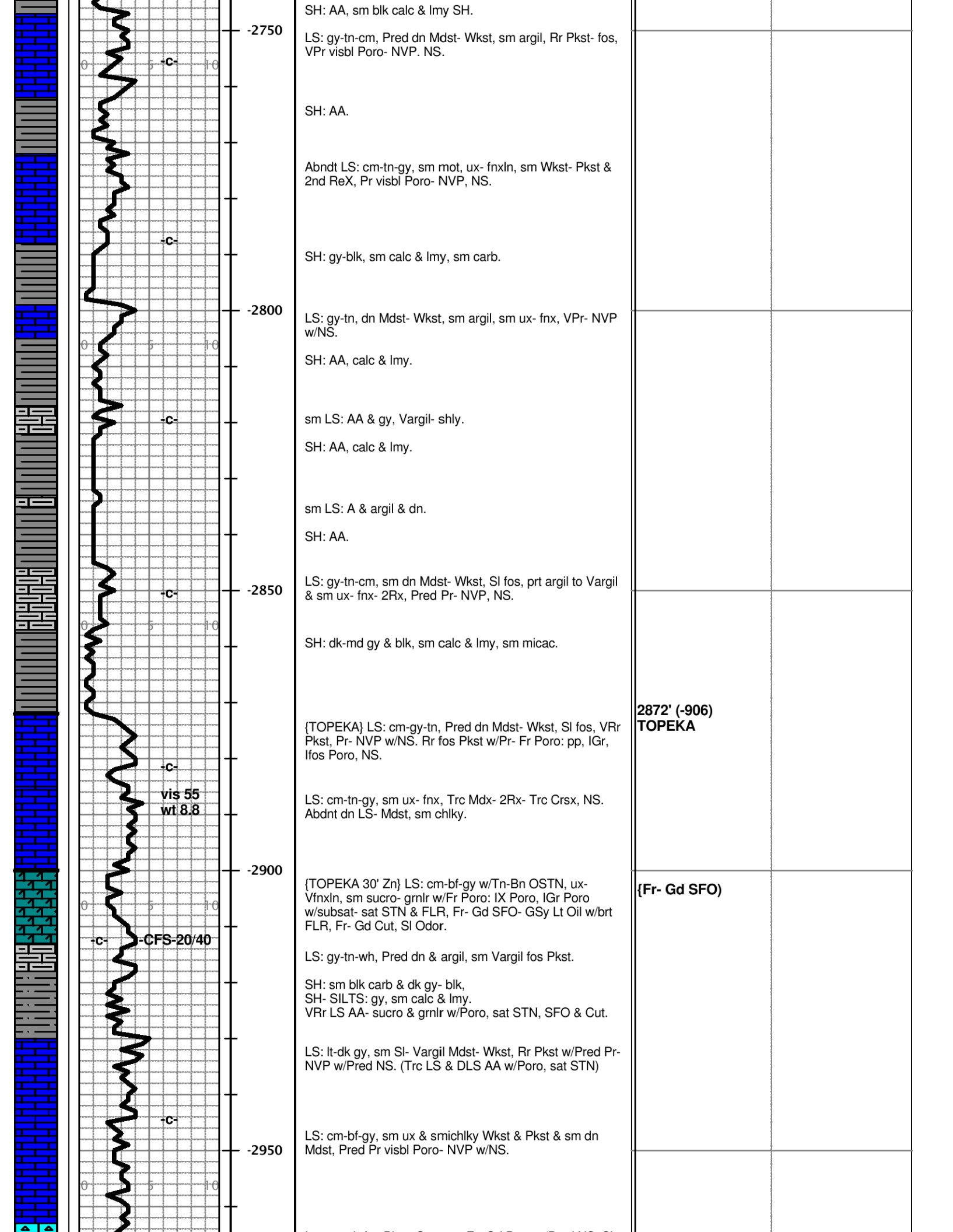
1st plug @ 3466' w/50 sx

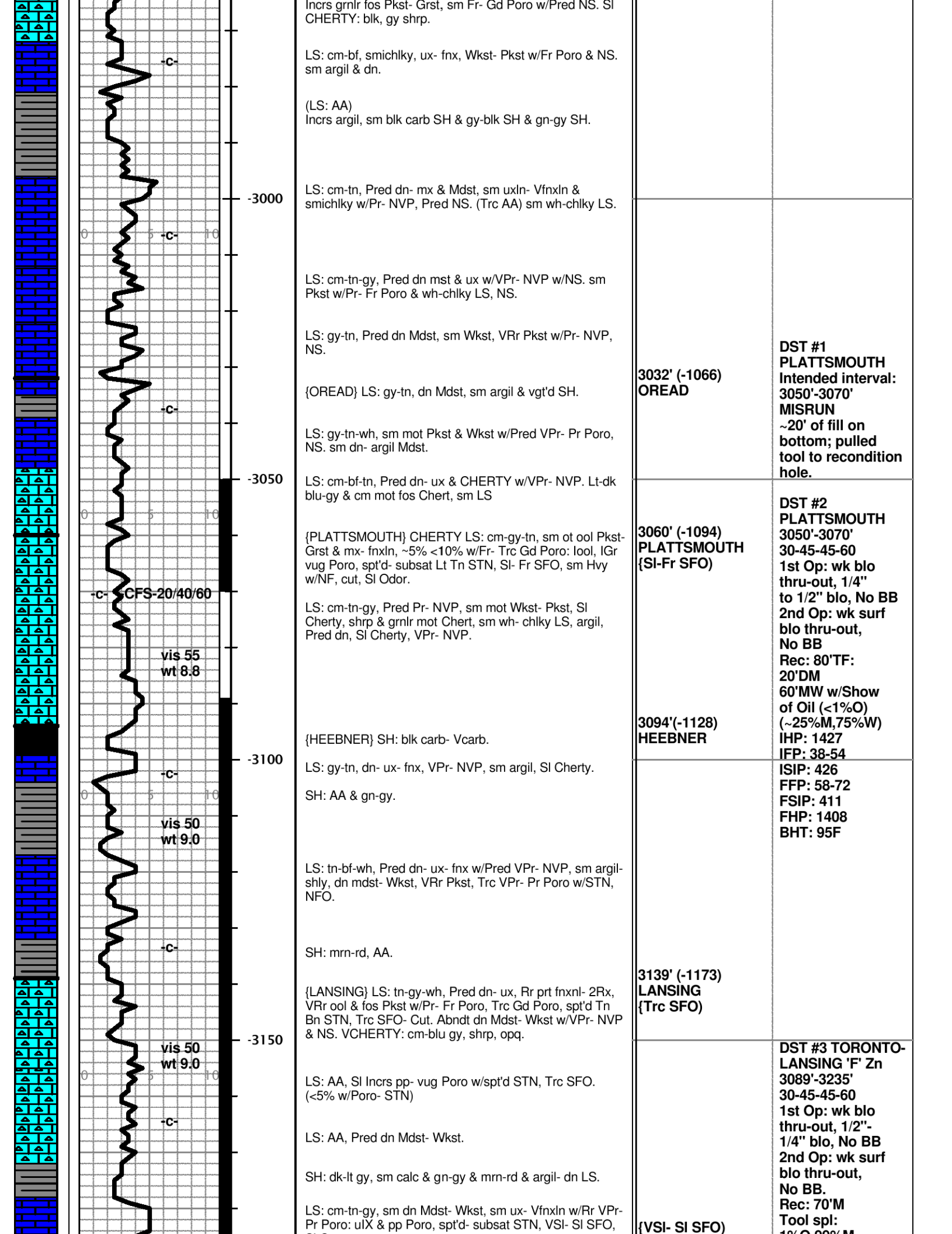
2nd plug @ 1200' w/50 sx
 3rd plug @ 700' w/100 sx
 4th plug @ 300' w/50 sx
 5th plug @ 40' w/10 sx
 30 sx in RH & 15 sx in MH.
 Total of 305 sx 60/40 poz w/4% gel, 1/4 FS/sk by Basic. Completed @ 3:45 AM.

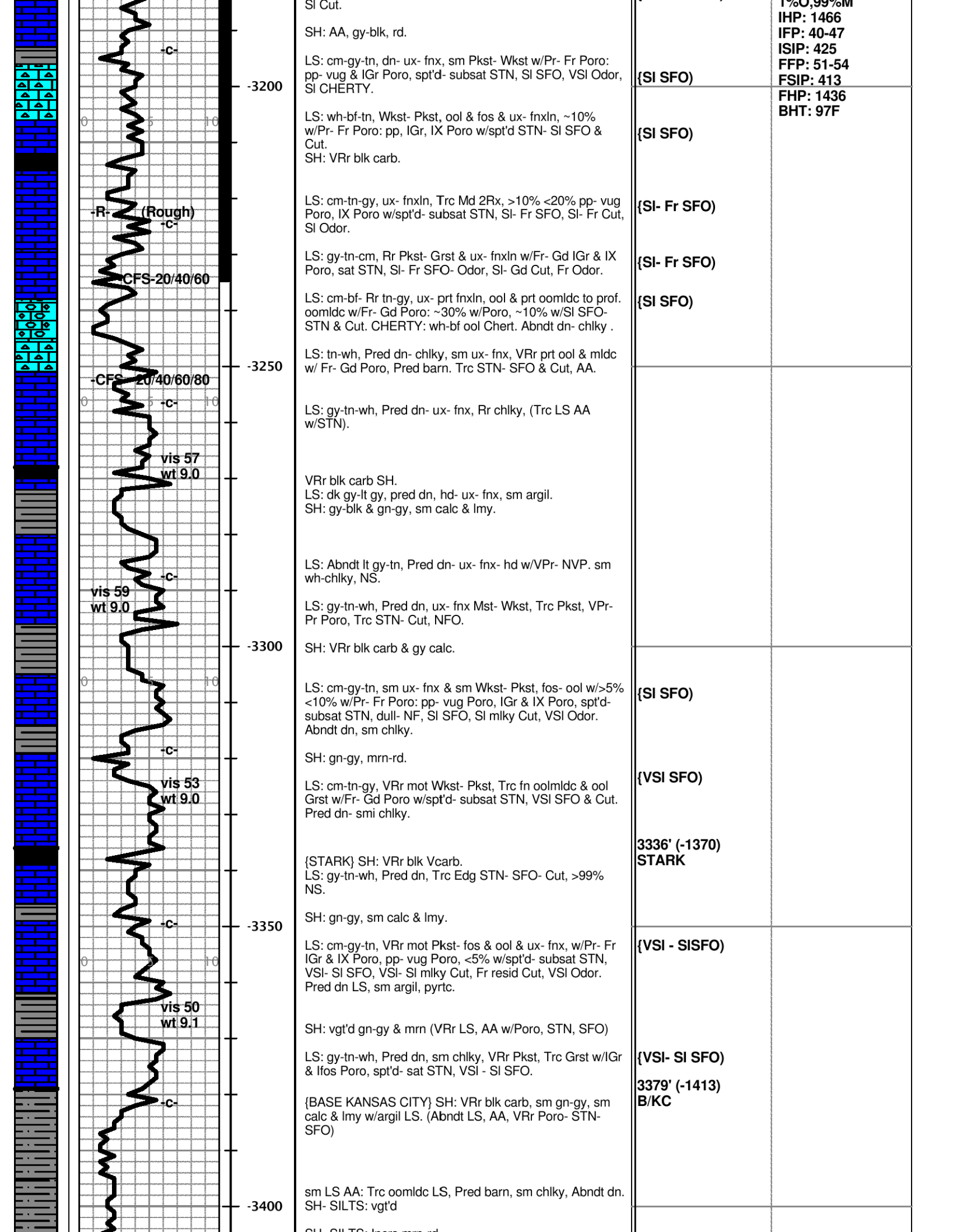
Respectfully submitted,
 Roger L. Martin, Geologist (Wellsite)

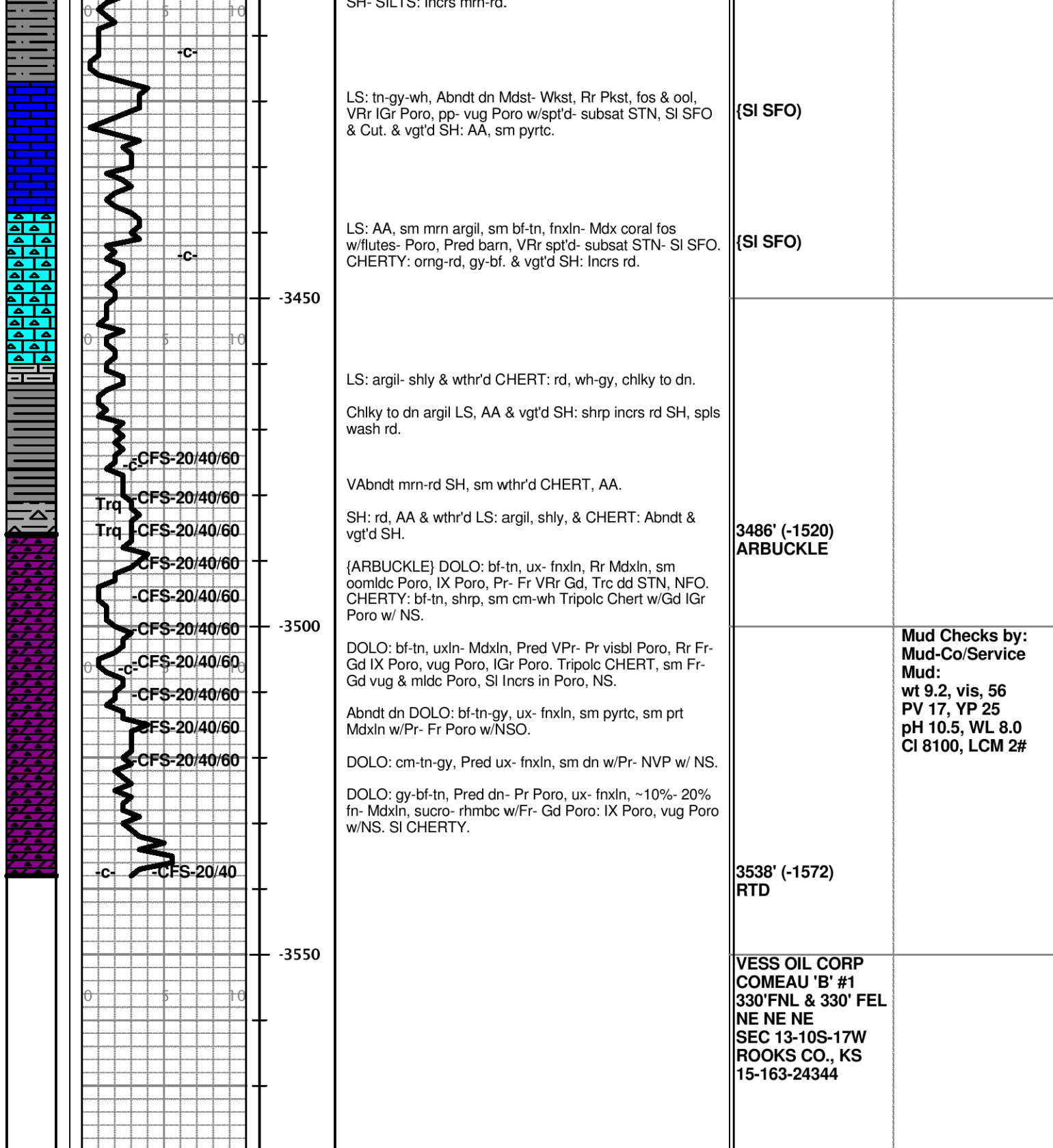
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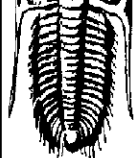










**TESTING, INC**

Vess Oil Corporation

1700 Waterfront Pkwy
Bldg 500
Wichita Ks 67206-6619
ATTN: Dylan Klaus , Roger

13-10s-17w Books

Comeau B #1

Job Ticket: 63085

DST#: 1

Test Start: 2017.09.25 @ 14:15:57

GENERAL INFORMATION:Formation: **Plattsmouth**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:45:00

Time Test Ended: 17:51:52

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 77

Interval: **3050.00 ft (KB) To 3070.00 ft (KB) (TVD)**

Total Depth: 3070.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1966.00 ft (KB)

1958.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8360**Inside**

Press@RunDepth: psig @ 3051.00 ft (KB)

Start Date: 2017.09.25

End Date:

2017.09.25

Start Time: 14:15:57

End Time:

17:51:52

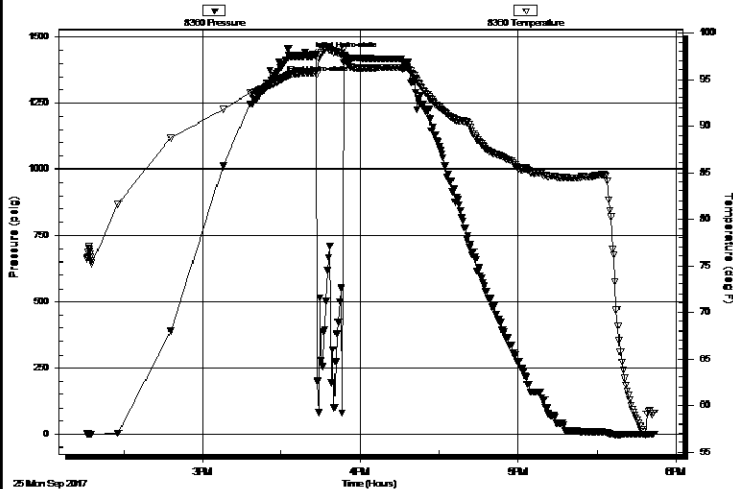
Capacity: 8000.00 psig

Last Calib.: 2017.09.25

Time On Btm: 2017.09.25 @ 15:40:22

Time Off Btm: 2017.09.25 @ 15:58:07

TEST COMMENT: 20 ft fill on bottom of hole
could not get to bottom pulled tool to
recondition

Pressure vs. Time**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1426.51	95.77	Initial Hydro-static
18	1421.66	96.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud	0.51

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

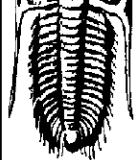
Ref. No: 63085

Printed: 2017.09.25 @ 20:56:59

**TRILOBITE****DRILL STEM TEST REPORT**

Vess Oil Corporation

13-10s-17w Books

**TESTING, INC**

Vess Oil Corporation

1700 Waterfront Pkwy
Bldg 500
Wichita Ks 67206-6619
ATTN: Dylan Klaus, Roger

13-10s-17w Books

Comeau B #1

Job Ticket: 63085

DST#: 1

Test Start: 2017.09.25 @ 14:15:57

GENERAL INFORMATION:Formation: **Plattsmouth**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:45:00

Time Test Ended: 17:51:52

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 77

Interval: **3050.00 ft (KB) To 3070.00 ft (KB) (TVD)**

Reference Elevations: 1966.00 ft (KB)

Total Depth: 3070.00 ft (KB) (TVD)

1958.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8673**Outside**

Press@RunDepth: psig @ 3051.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.09.25

End Date:

2017.09.25

Last Calib.:

2017.09.25

Start Time: 14:15:41

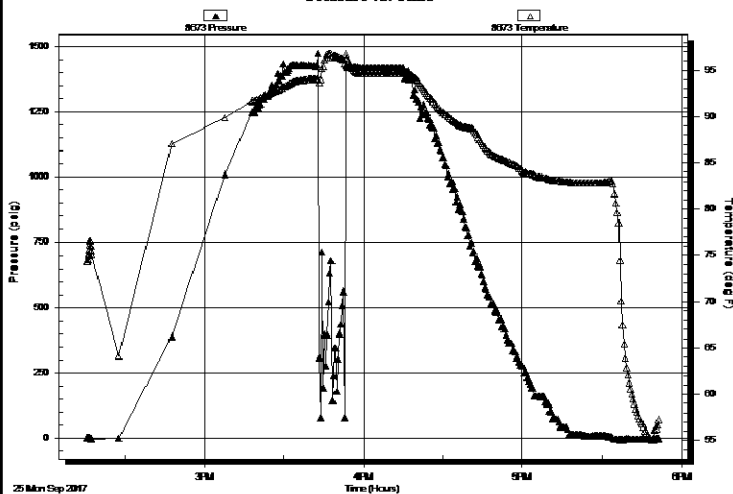
End Time:

17:51:36

Time On Btm:

Time Off Btm:

TEST COMMENT: 20 ft fill on bottom of hole
could not get to bottom pulled tool to
recondition

Pressure vs. Time**PRESSURE SUMMARY**

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

Length (ft)	Description	Volume (bbl)
70.00	Mud	0.51

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

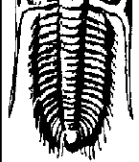
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Printed: 2017.09.25 @ 20:56:59

**TRILOBITE****DRILL STEM TEST REPORT****FLUID SUMMARY**

Vess Oil Corporation

13-10s-17w Books



TESTING, INC

1000 Oil Corporation

1700 Waterfront Pkwy
Bldg 500
Wichita Ks 67206-6619
ATTN: Dylan Klaus , Roger

10-103-17W ROCKS

Comeau B #1

Job Ticket: 63085

DST#: 1

Test Start: 2017.09.25 @ 14:15:57

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 61.00 sec/qt
Water Loss: 8.77 in³
Resistivity: ohm.m
Salinity: 3200.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: deg API
Water Salinity: ppm

Recovery Information

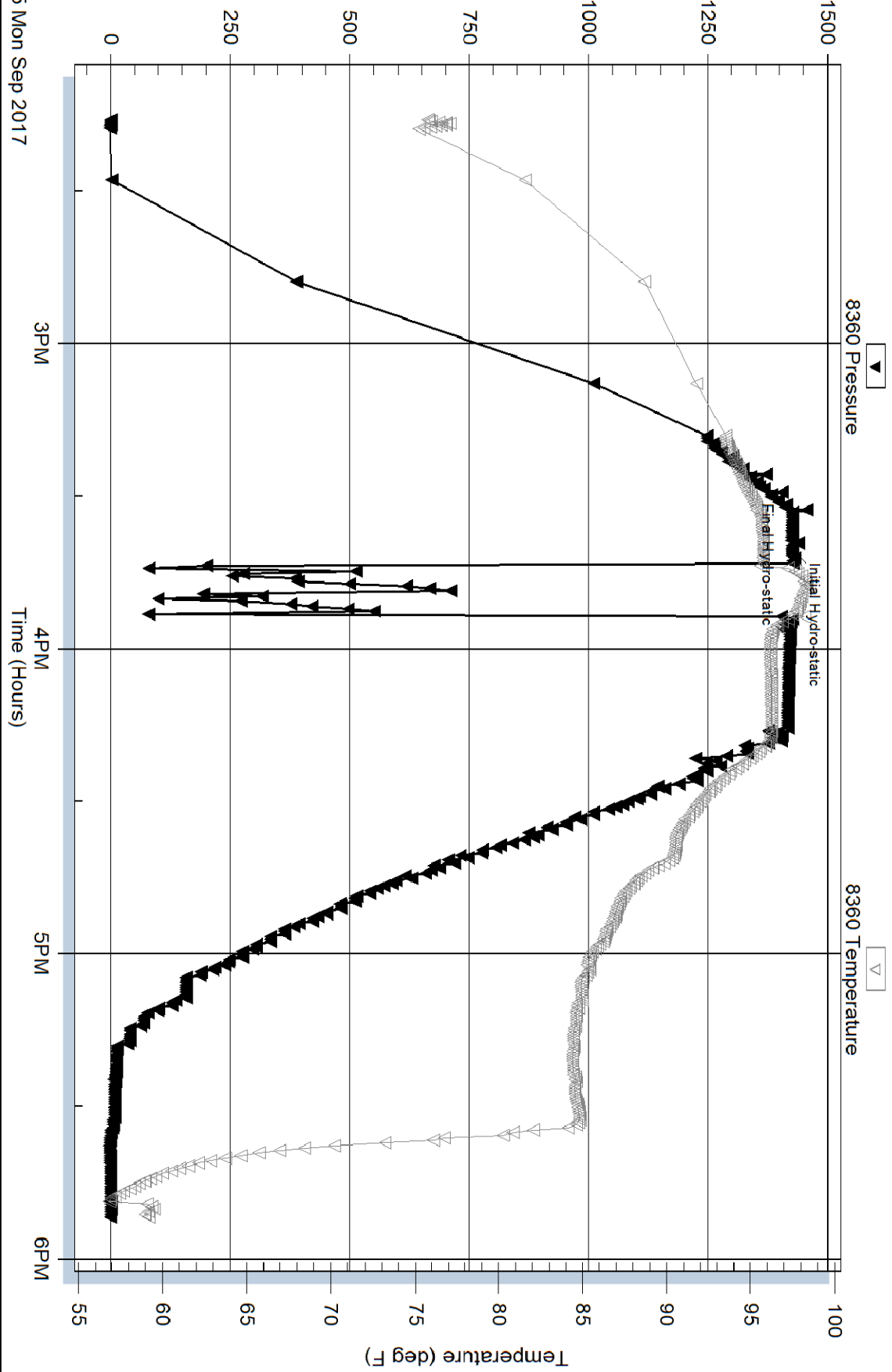
Recovery Table

Length ft	Description	Volume bbl
70.00	Mud	0.514

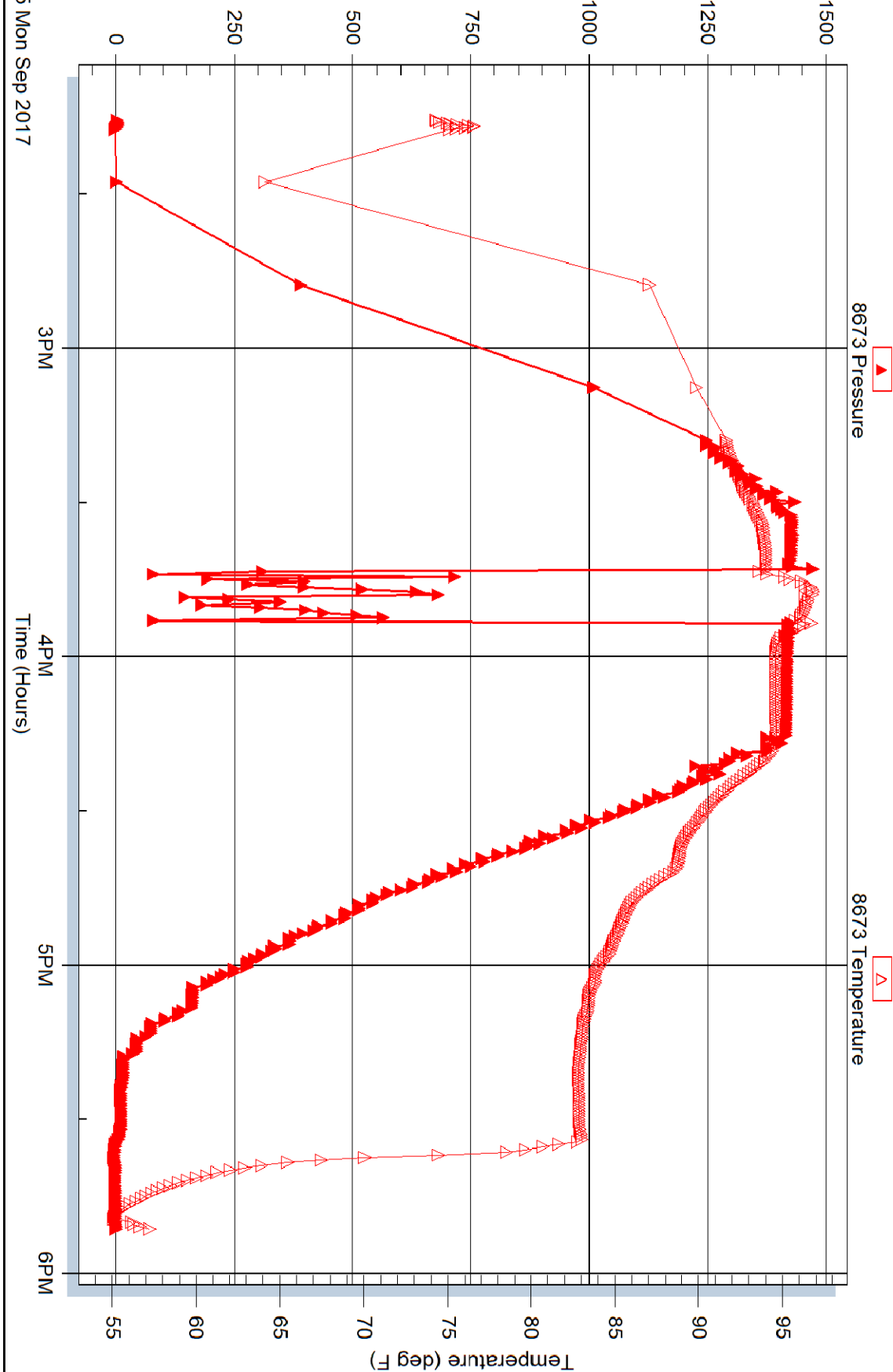
Total Length: 70.00 ft Total Volume: 0.514 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time



Pressure vs. Time

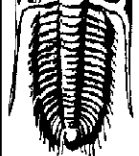


TRILOBITE

DRILL STEM TEST REPORT

Vess Oil Corporation

13-10s-17w Rocks

**TESTING, INC**1700 Waterfront Pkwy
Bldg 500
Wichita Ks 67206-6619
ATTN: Dylan Klaus, Roger**Comeau B #1**

Job Ticket: 63086

DST#: 2

Test Start: 2017.09.25 @ 00:20:38

GENERAL INFORMATION:Formation: **Plattsmouth**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:06:03

Time Test Ended: 06:53:17

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 77

Interval: **3050.00 ft (KB) To 3070.00 ft (KB) (TVD)**

Total Depth: 3070.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1966.00 ft (KB)

1958.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8360**Inside**

Press@RunDepth: 71.99 psig @ 3051.00 ft (KB)

Start Date: 2017.09.25

End Date:

2017.09.25

Start Time: 00:20:38

End Time:

06:53:17

Capacity: 8000.00 psig

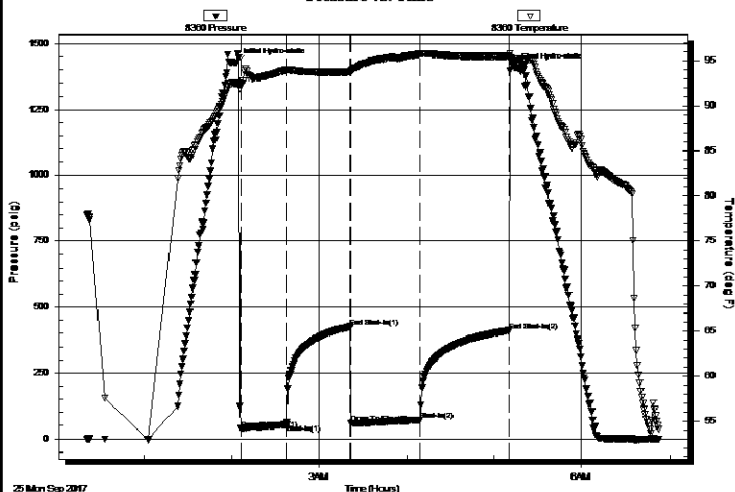
Last Calib.: 2017.09.26

Time On Btm: 2017.09.25 @ 02:03:18

Time Off Btm: 2017.09.25 @ 05:14:32

TEST COMMENT: 30-IFP-w k bl thru-out 1/4"to 1/2"bl
45-ISIP-no bl bk
45-FFP-w k surface bl thru-out
60-FSIP-no bl bk

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1427.16	92.50	Initial Hydro-static
3	38.32	92.36	Open To Flow (1)
35	53.85	93.98	Shut-In(1)
78	425.57	93.78	End Shut-In(1)
79	57.99	93.77	Open To Flow (2)
126	71.99	95.78	Shut-In(2)
187	410.78	95.52	End Shut-In(2)
192	1408.45	95.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.15
60.00	MW 25%M75%W w/show of oil	0.44

Gas Rates

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

Trilobite Testing, Inc

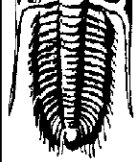
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Printed: 2017.09.26 @ 07:58:54

**TRILOBITE****DRILL STEM TEST REPORT**

Vess Oil Corporation

13-10s-17w Books



TESTING, INC

1700 Waterfront Pkwy
Bldg 500
Wichita Ks 67206-6619
ATTN: Dylan Klaus, Roger

Comeau B #1

Job Ticket: 63086

DST#: 2

Test Start: 2017.09.25 @ 00:20:38

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 61.00 sec/qt
Water Loss: 8.73 in³
Resistivity: ohm.m
Salinity: 3200.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: deg API
Water Salinity: 54000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud	0.147
60.00	MW 25%M75%W w/show of oil	0.441

Total Length: 80.00 ft Total Volume: 0.588 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

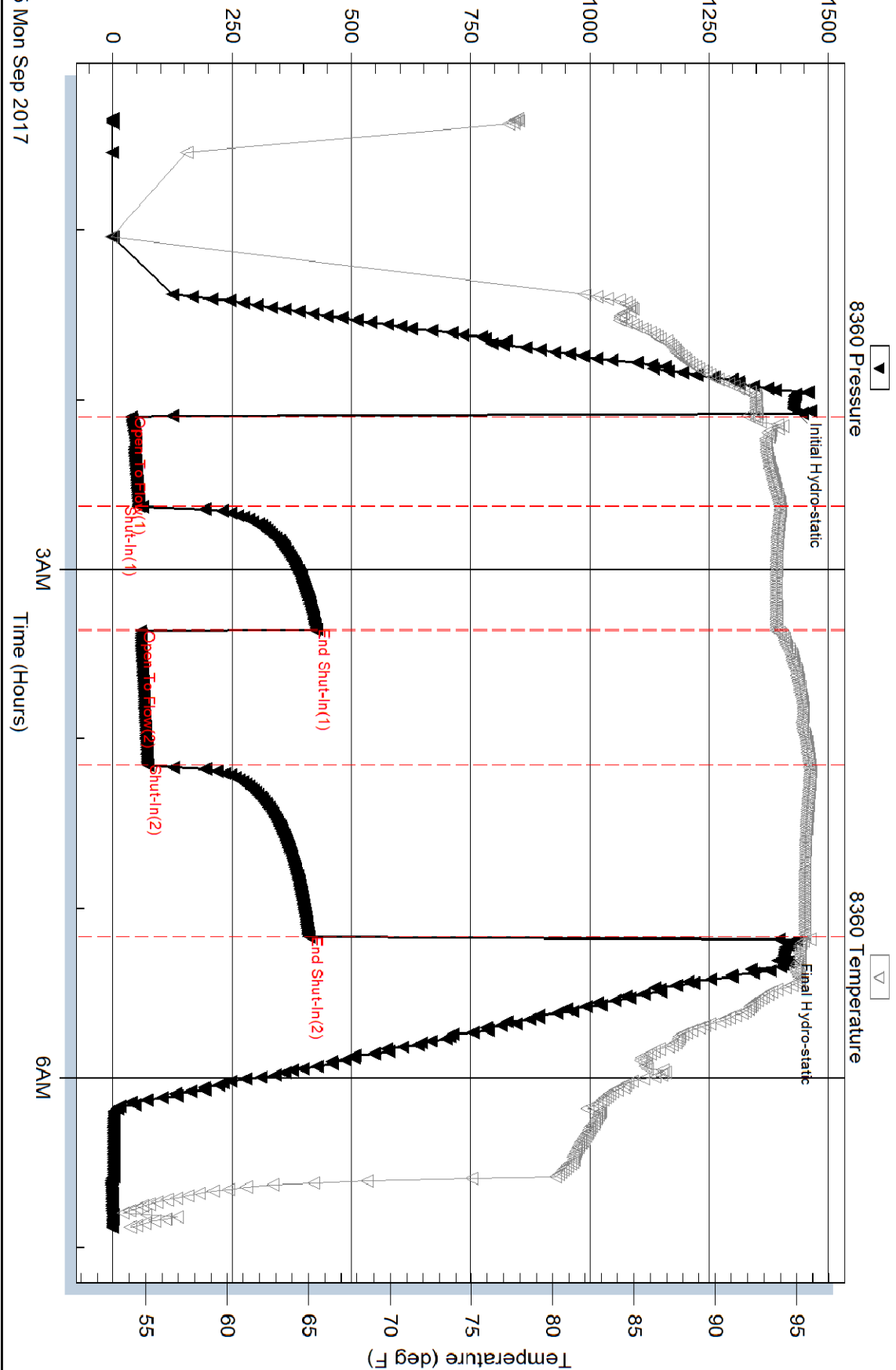
Laboratory Location:

Recovery Comments: slid tool approx. 10' to bottom fter tool opened

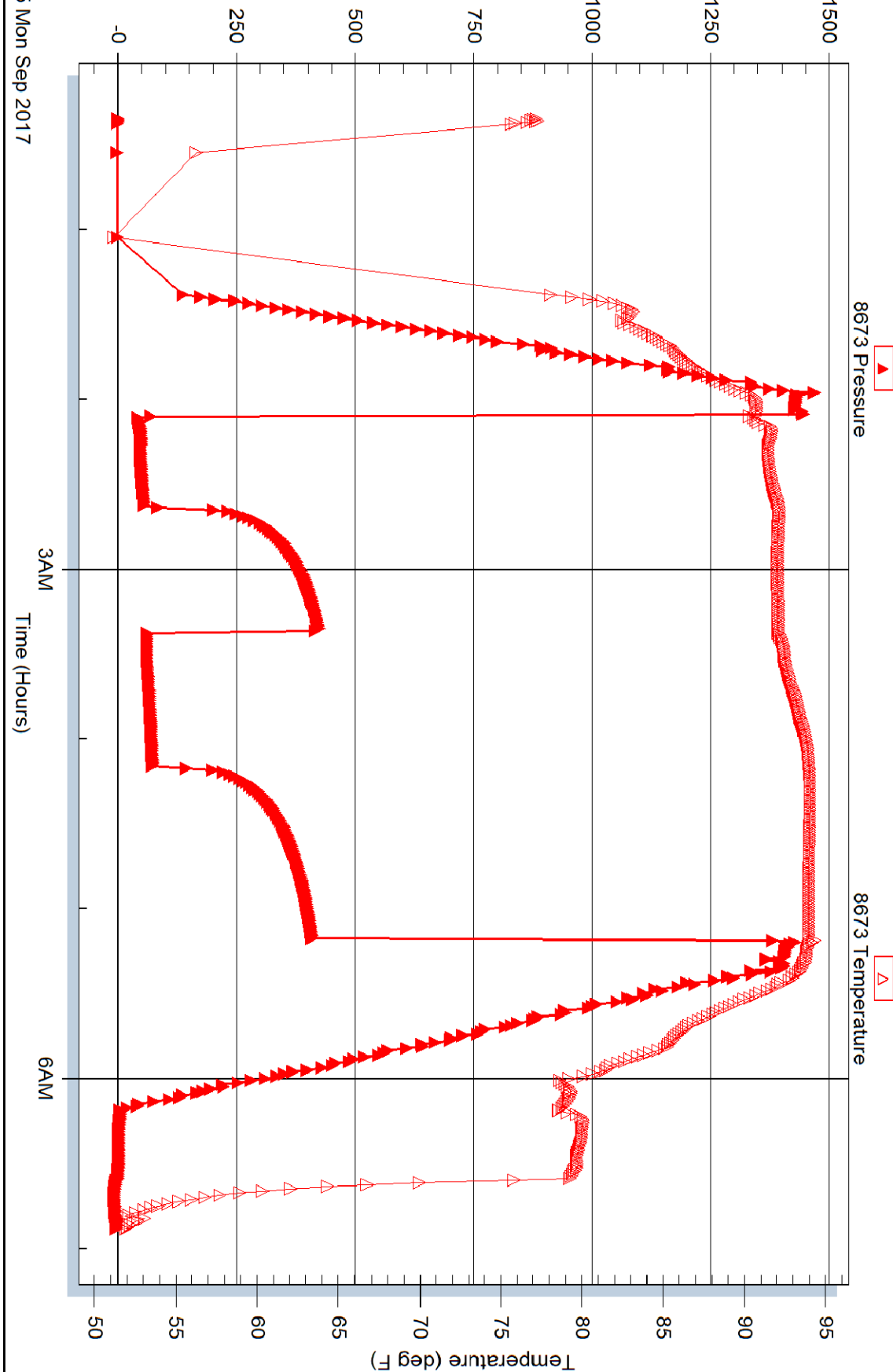
RW .15@65F

sample betw een tool 45%M55%W w/show of oil

Pressure vs. Time

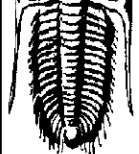


Pressure vs. Time



Mon Sep 2017





TESTING, INC

1700 Waterfront Pkwy
Bldg 500
Wichita Ks 67206-6619
ATTN: Dylan Klaus , Roger

Comeau B #1

Job Ticket: 63087

DST#: 3

Test Start: 2017.09.27 @ 00:40:56

GENERAL INFORMATION:

Formation: **Toronto-LKC F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:27:06

Time Test Ended: 07:05:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 77

Interval: **3089.00 ft (KB) To 3235.00 ft (KB) (TVD)**

Total Depth: 3235.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1966.00 ft (KB)

1958.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8360

Inside

Press@RunDepth: 54.08 psig @ 3091.00 ft (KB)

Start Date: 2017.09.27

End Date:

2017.09.27

Start Time: 00:40:56

End Time:

07:05:20

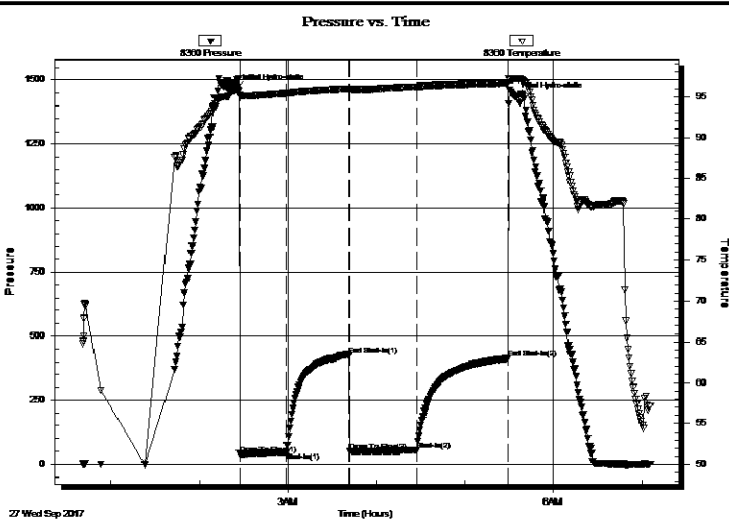
Capacity: 8000.00 psig

Last Calib.: 2017.09.27

Time On Btm: 2017.09.27 @ 02:24:36

Time Off Btm: 2017.09.27 @ 05:34:05

TEST COMMENT: 30-IFP-w k bl thru-out 1/2"to 1 1/4"bl
45-ISIP-no bl bk
45-FFP-w k surface bl thru-out
60-FSIP-no bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1465.76	95.77	Initial Hydro-static
3	40.07	95.10	Open To Flow (1)
35	47.11	95.42	Shut-In(1)
77	425.18	95.97	End Shut-In(1)
78	50.50	95.79	Open To Flow (2)
123	54.08	96.21	Shut-In(2)
185	412.85	96.68	End Shut-In(2)
190	1436.44	97.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud	0.57
0.00	tool sample 1%oil 99%mud	0.00

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

Ref. No: 63087

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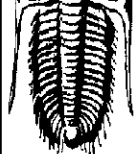


TRILOBITE

DRILL STEM TEST REPORT

Vess Oil Corporation

13-10s-17w Roofs



TESTING, INC

1700 Waterfront Pkwy
Bldg 500
Wichita Ks 67206-6619
ATTN: Dylan Klaus , Roger

Comeau B #1

Job Ticket: 63087

DST#: 3

Test Start: 2017.09.27 @ 00:40:56

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 7.60 in³
Resistivity: ohm.m
Salinity: 3500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud	0.568
0.00	tool sample 1%oil 99%mud	0.000

Total Length: 70.00 ft Total Volume: 0.568 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

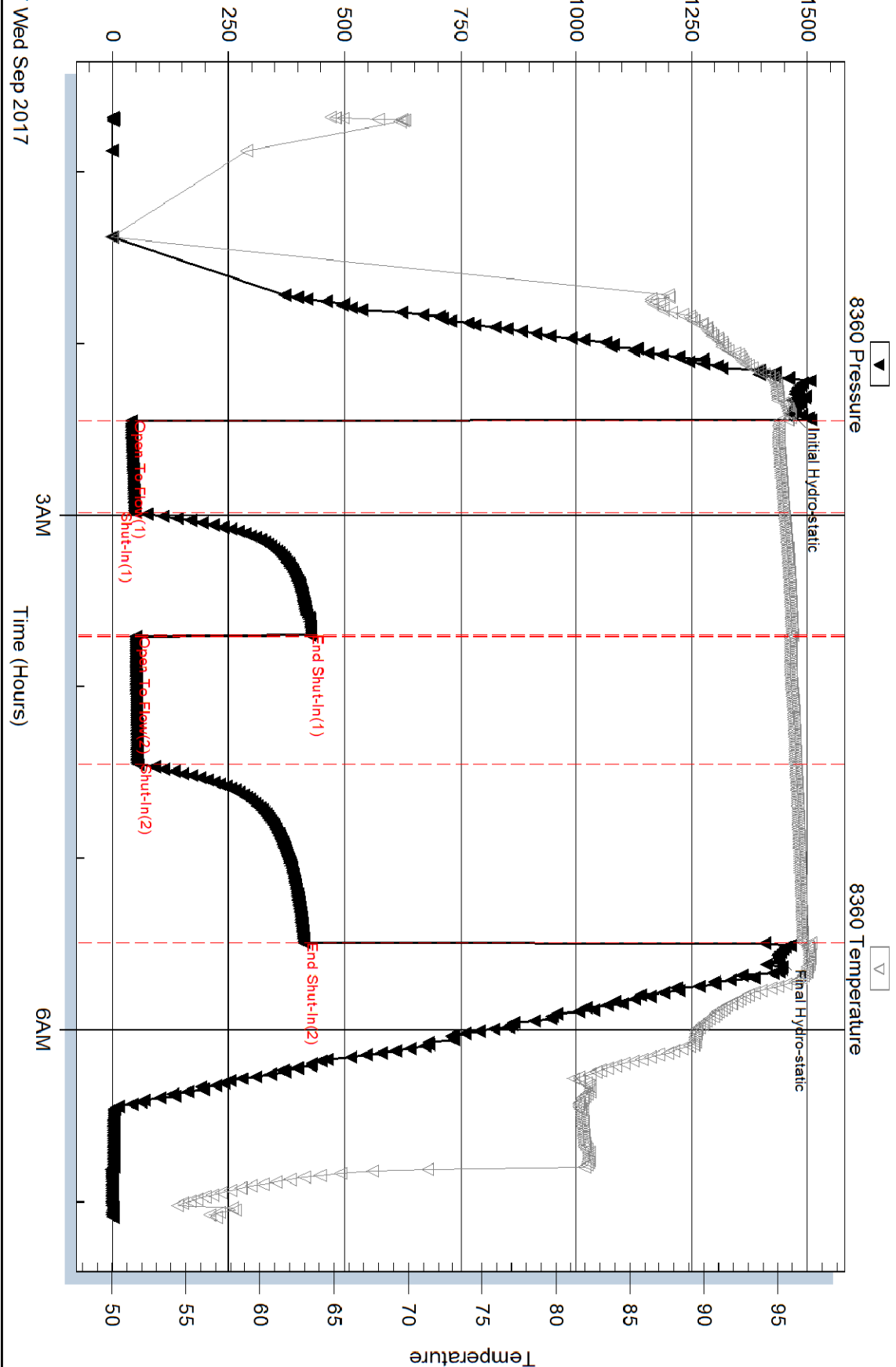
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time

