

Form	ACO1 - Well Completion
Operator	Vess Oil Corporation
Well Name	COMEAU B 1
Doc ID	1377523

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	262	60/40 poz	200	2% gel, 3% cc

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:

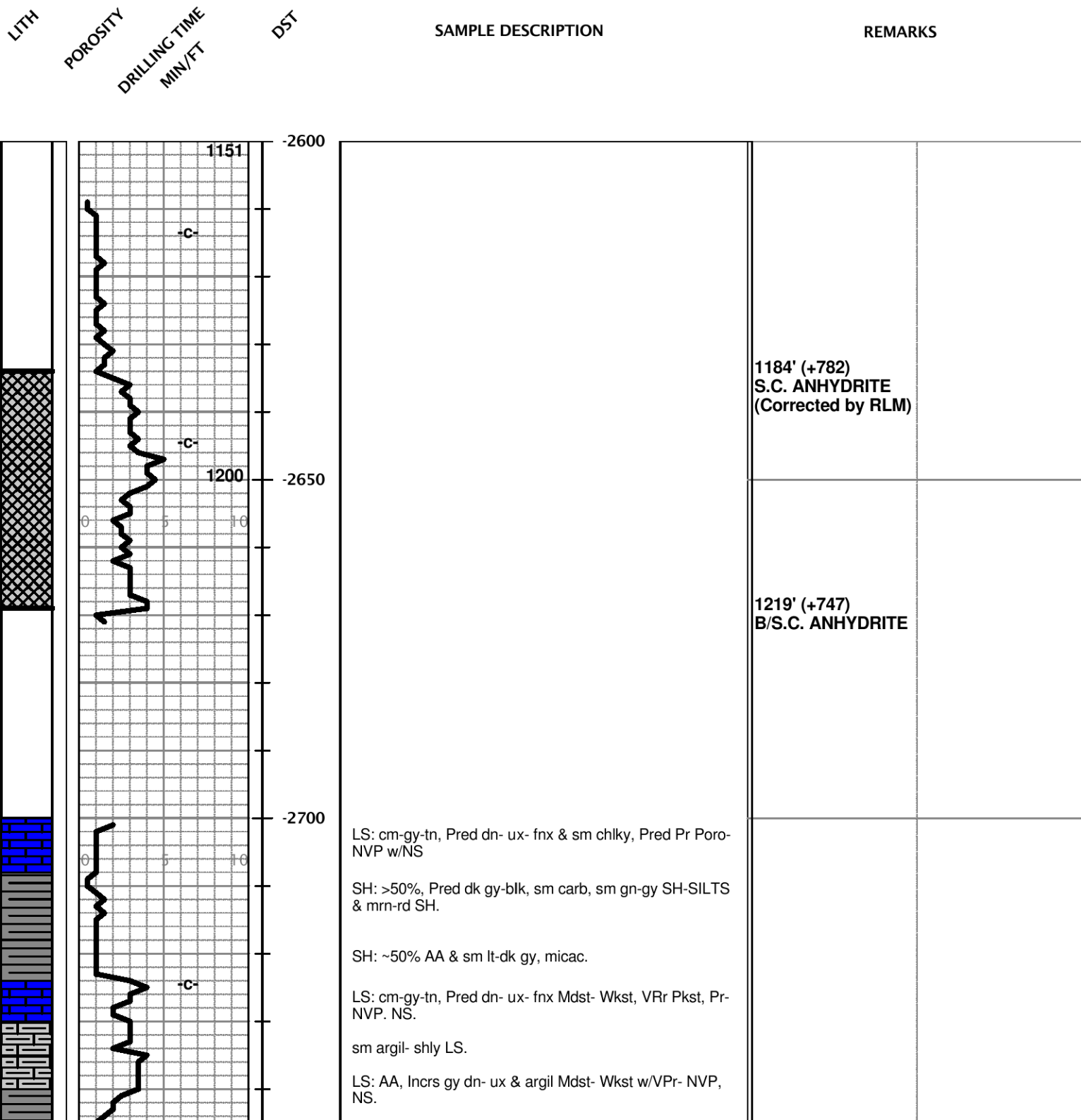
The decision was made to P&A the VOC Comeau 'B' #1 as follows:

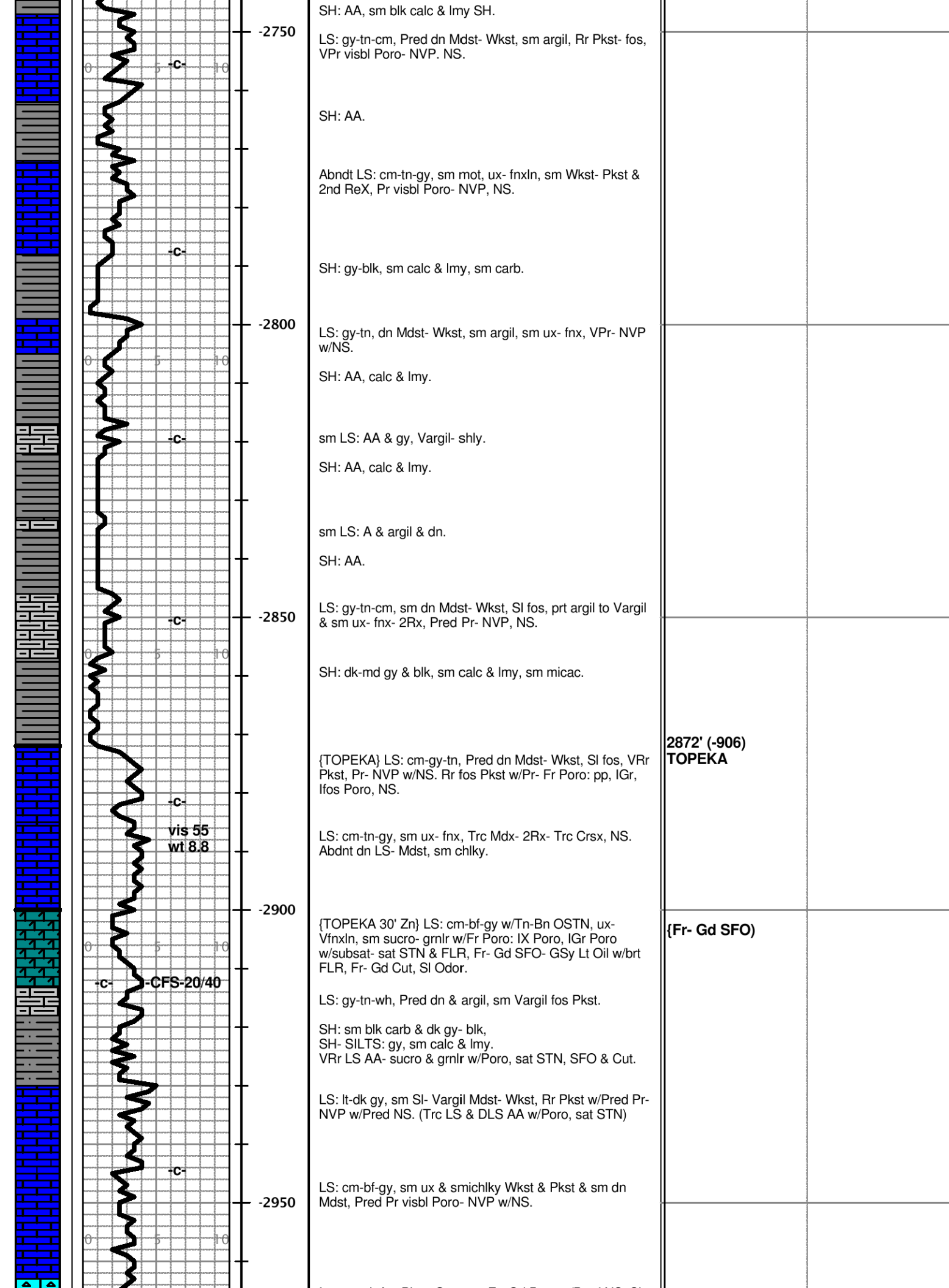
1st plug @ 3466' w/50 sx

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.

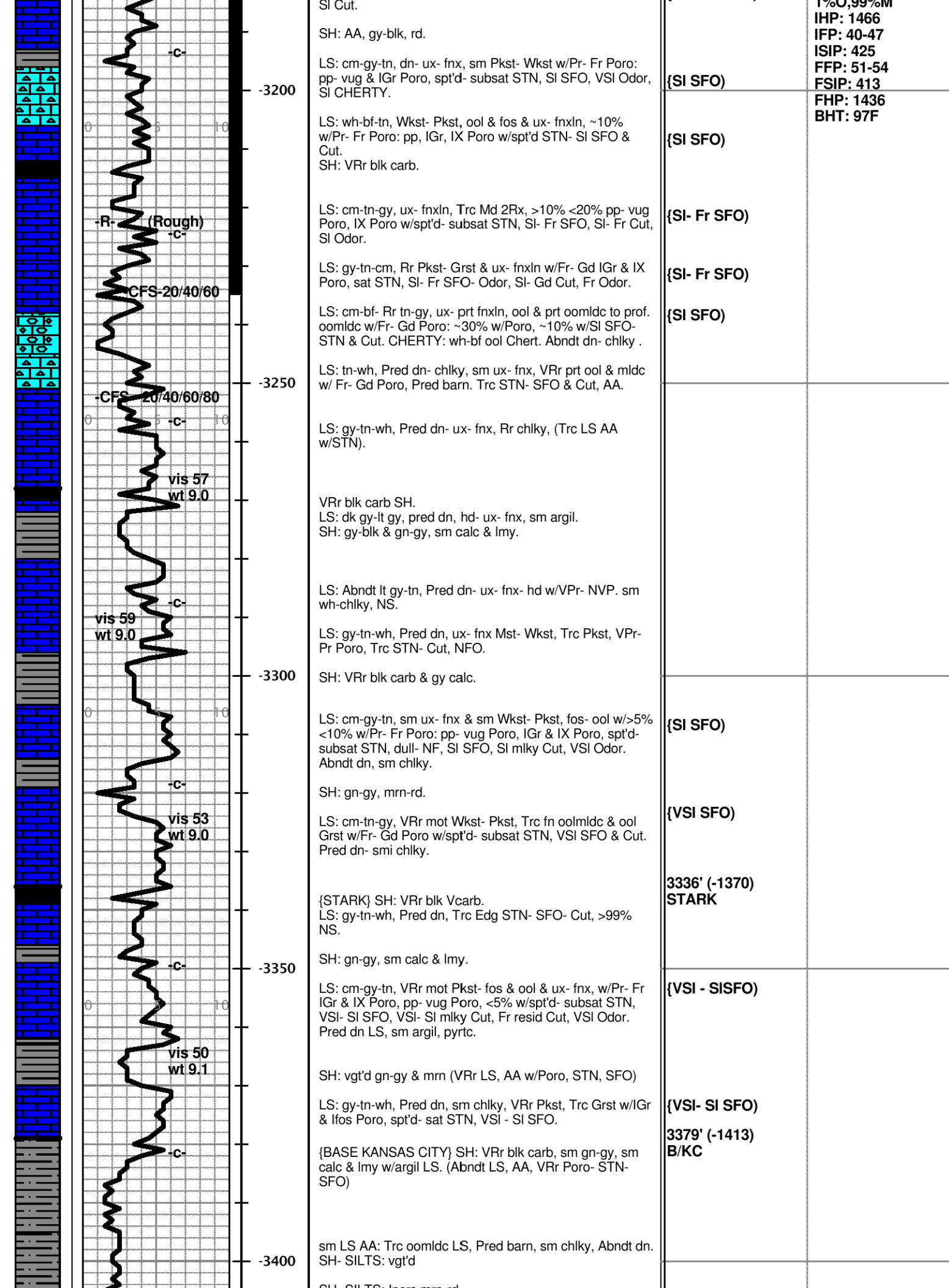
Respectfully submitted,
 Roger L. Martin, Geologist (Wellsite)

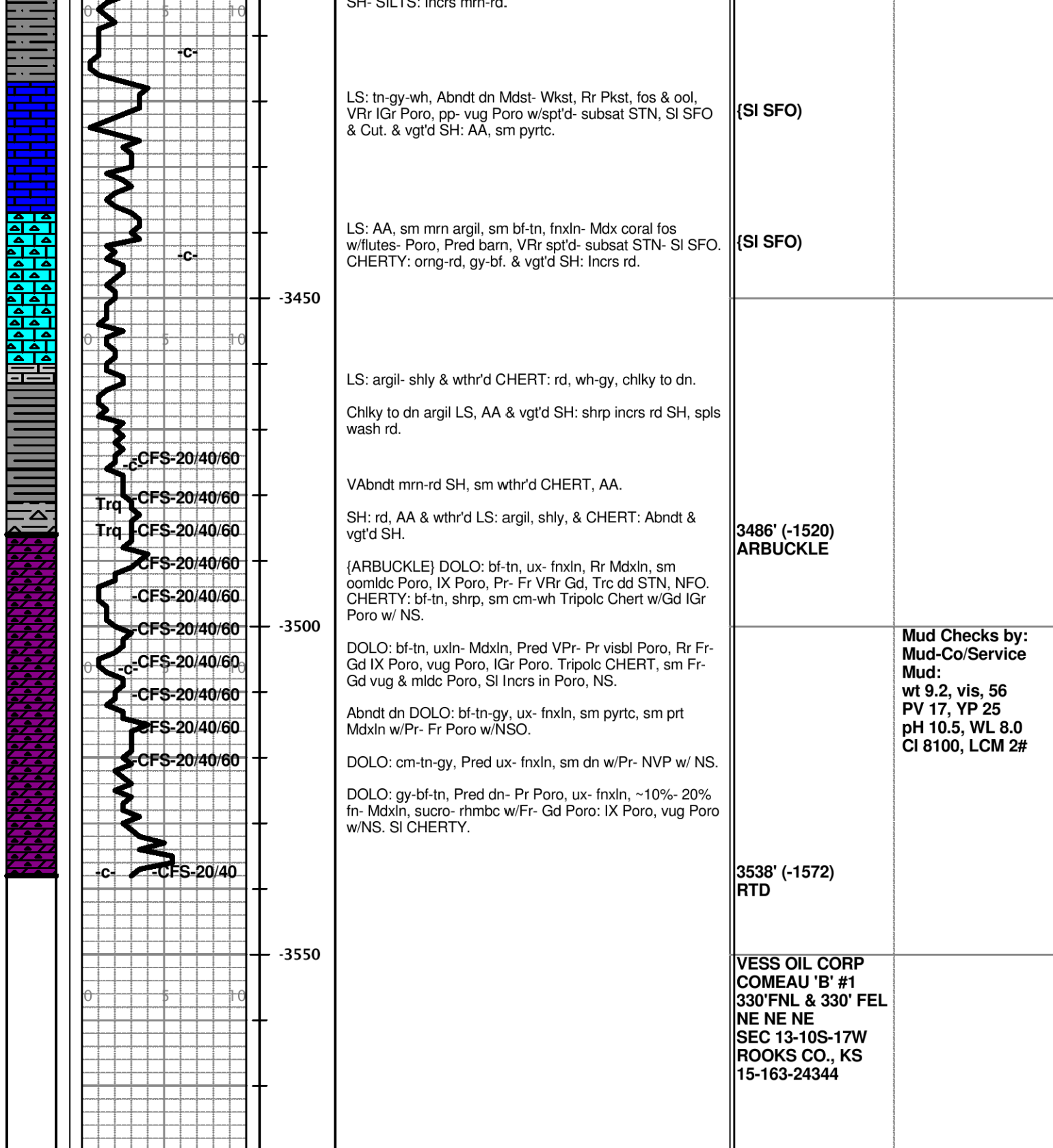
(Page Length 65")

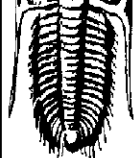




		Incrs grnlr fos Pkst- Grst, sm Fr- Gd Poro w/Pred NS. SI CHERTY: blk, gy shrp. LS: cm-bf, smichlky, ux- fnx, Wkst- Pkst w/Fr Poro & NS. sm argil & dn. (LS: AA) Incrs argil, sm blk carb SH & gy-blk SH & gn-gy SH. LS: cm-tn, Pred dn- mx & Mdst, sm uxln- Vfnxln & smichlky w/Pr- NVP, Pred NS. (Trc AA) sm wh-chlky LS. LS: cm-tn-gy, Pred dn mst & ux w/VPr- NVP w/NS. sm Pkst w/Pr- Fr Poro & wh-chlky LS, NS. LS: gy-tn, Pred dn Mdst, sm Wkst, VRr Pkst w/Pr- NVP, NS. {OREAD} LS: gy-tn, dn Mdst, sm argil & vgt'd SH. LS: gy-tn-wh, sm mot Pkst & Wkst w/Pred VPr- Pr Poro, NS. sm dn- argil Mdst. LS: cm-bf-tn, Pred dn- ux & CHERTY w/VPr- NVP. Lt-dk blu-gy & cm mot fos Chert, sm LS {PLATTSMOUTH} CHERTY LS: cm-gy-tn, sm ot ool Pkst- Grst & mx- fnxln, ~5% <10% w/Fr- Trc Gd Poro: lool, IGr vug Poro, spt'd- subsat Lt Tn STN, SI- Fr SFO, sm Hvy w/NF, cut, SI Odor. LS: cm-tn-gy, Pred Pr- NVP, sm mot Wkst- Pkst, SI Cherty, shrp & grnlr mot Chert, sm wh- chlky LS, argil, Pred dn, SI Cherty, VPr- NVP. {HEEBNER} SH: blk carb- Vcarb. LS: gy-tn, dn- ux- fnx, VPr- NVP, sm argil, SI Cherty. SH: AA & gn-gy. LS: tn-bf-wh, Pred dn- ux- fnx w/Pred VPr- NVP, sm argil- shly, dn mdst- Wkst, VRr Pkst, Trc VPr- Pr Poro w/STN, NFO. SH: mrn-rd, AA. {LANSING} LS: tn-gy-wh, Pred dn- ux, Rr prt fnxnl- 2Rx, VRr ool & fos Pkst w/Pr- Fr Poro, Trc Gd Poro, spt'd Tn Bn STN, Trc SFO- Cut. Abndt dn Mdst- Wkst w/VPr- NVP & NS. VCHERTY: cm-blu gy, shrp, opq. LS: AA, SI Incrs pp- vug Poro w/spt'd STN, Trc SFO. (<5% w/Poro- STN) LS: AA, Pred dn Mdst- Wkst. SH: dk-lt gy, sm calc & gn-gy & mrn-rd & argil- dn LS. LS: cm-tn-gy, sm dn Mdst- Wkst, sm ux- Vfnxln w/Rr VPr- Pr Poro: uIX & pp Poro, spt'd- subsat STN, VSI- SI SFO,		DST #1 PLATTSMOUTH Intended interval: 3050'-3070' MISRUN ~20' of fill on bottom; pulled tool to recondition hole. DST #2 PLATTSMOUTH 3050'-3070' 30-45-45-60 1st Op: wk blo thru-out, 1/4" to 1/2" blo, No BB 2nd Op: wk surf blo thru-out, No BB Rec: 80'TF: 20'DM 60'MW w/Show of Oil (<1%O) (~25%M,75%W) IHP: 1427 IFP: 38-54 ISIP: 426 FFP: 58-72 FSIP: 411 FHP: 1408 BHT: 95F DST #3 TORONTO- LANSING 'F' Zn 3089'-3235' 30-45-45-60 1st Op: wk blo thru-out, 1/2"- 1/4" blo, No BB 2nd Op: wk surf blo thru-out, No BB. Rec: 70'M Tool spl: 1% O 20% M
		-3000 -c- LS: gy-tn, Pred dn Mdst, sm Wkst, VRr Pkst w/Pr- NVP, NS. {OREAD} LS: gy-tn, dn Mdst, sm argil & vgt'd SH. LS: gy-tn-wh, sm mot Pkst & Wkst w/Pred VPr- Pr Poro, NS. sm dn- argil Mdst. LS: cm-bf-tn, Pred dn- ux & CHERTY w/VPr- NVP. Lt-dk blu-gy & cm mot fos Chert, sm LS {PLATTSMOUTH} CHERTY LS: cm-gy-tn, sm ot ool Pkst- Grst & mx- fnxln, ~5% <10% w/Fr- Trc Gd Poro: lool, IGr vug Poro, spt'd- subsat Lt Tn STN, SI- Fr SFO, sm Hvy w/NF, cut, SI Odor. LS: cm-tn-gy, Pred Pr- NVP, sm mot Wkst- Pkst, SI Cherty, shrp & grnlr mot Chert, sm wh- chlky LS, argil, Pred dn, SI Cherty, VPr- NVP. {HEEBNER} SH: blk carb- Vcarb. LS: gy-tn, dn- ux- fnx, VPr- NVP, sm argil, SI Cherty. SH: AA & gn-gy. LS: tn-bf-wh, Pred dn- ux- fnx w/Pred VPr- NVP, sm argil- shly, dn mdst- Wkst, VRr Pkst, Trc VPr- Pr Poro w/STN, NFO. SH: mrn-rd, AA. {LANSING} LS: tn-gy-wh, Pred dn- ux, Rr prt fnxnl- 2Rx, VRr ool & fos Pkst w/Pr- Fr Poro, Trc Gd Poro, spt'd Tn Bn STN, Trc SFO- Cut. Abndt dn Mdst- Wkst w/VPr- NVP & NS. VCHERTY: cm-blu gy, shrp, opq. LS: AA, SI Incrs pp- vug Poro w/spt'd STN, Trc SFO. (<5% w/Poro- STN) LS: AA, Pred dn Mdst- Wkst. SH: dk-lt gy, sm calc & gn-gy & mrn-rd & argil- dn LS. LS: cm-tn-gy, sm dn Mdst- Wkst, sm ux- Vfnxln w/Rr VPr- Pr Poro: uIX & pp Poro, spt'd- subsat STN, VSI- SI SFO,	3032' (-1066) OREAD	
		-3050 -c- CFS-20/40/60 vis 55 wt 8.8 -3100 -c- vis 50 wt 9.0 -3150 -c- vis 50 wt 9.0	3060' (-1094) PLATTSMOUTH {SI-Fr SFO} 3094' (-1128) HEEBNER 3139' (-1173) LANSING {Trc SFO} {VSI- SI SFO}	





**TESTING, INC**

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

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 #: 8360**Inside**

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: 14:15:57

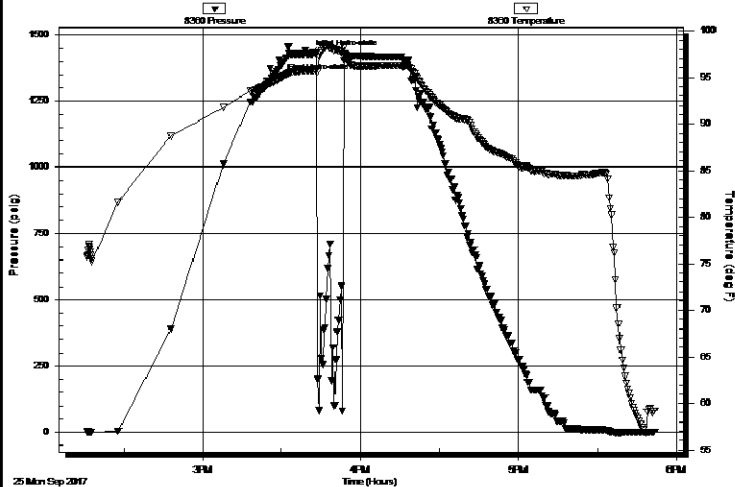
End Time:

17:51:52

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)
--	----------------	-----------------	------------------

Trilobite Testing, Inc

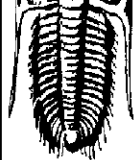
Ref. No: 63085

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

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

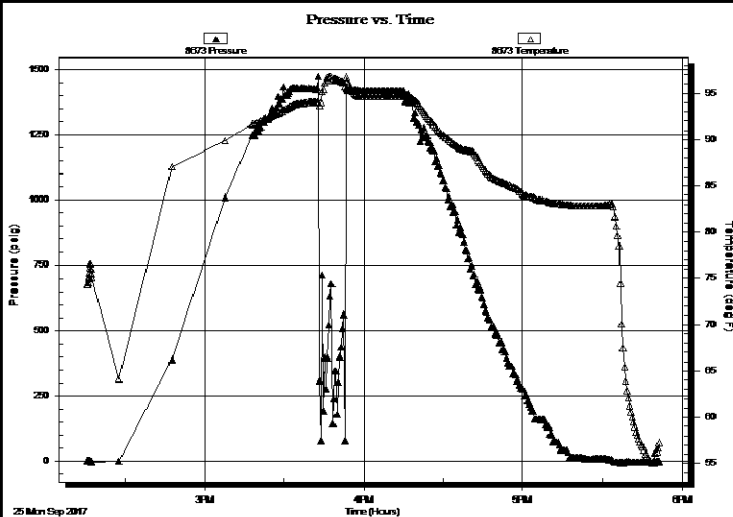
End Time:

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 SUMMARY**

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

Recovery

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

Gas Rates

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

Trilobite Testing, Inc

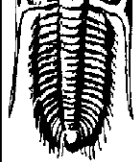
Ref. No: 63085

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

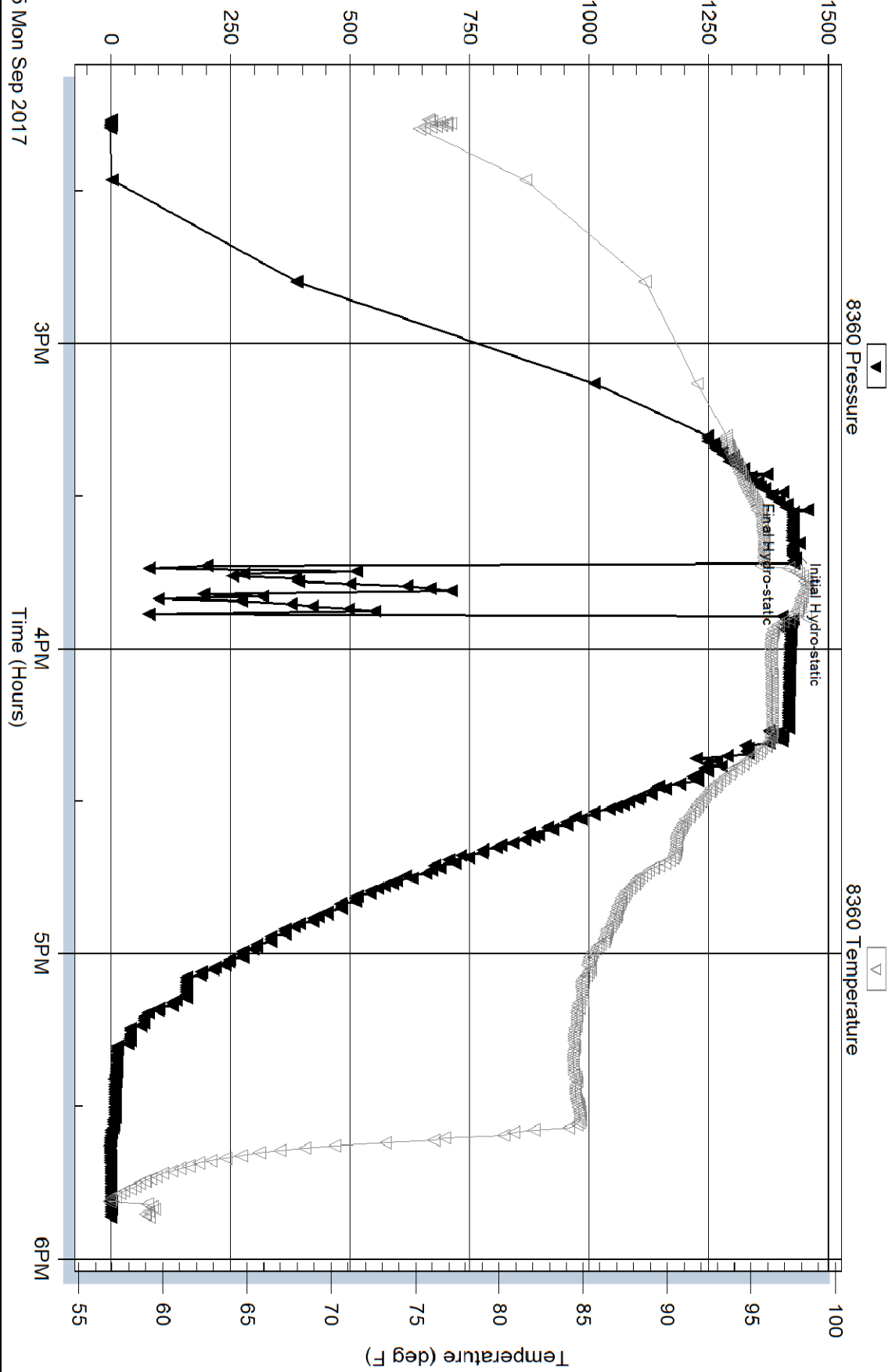
Serial #:

Laboratory Name:

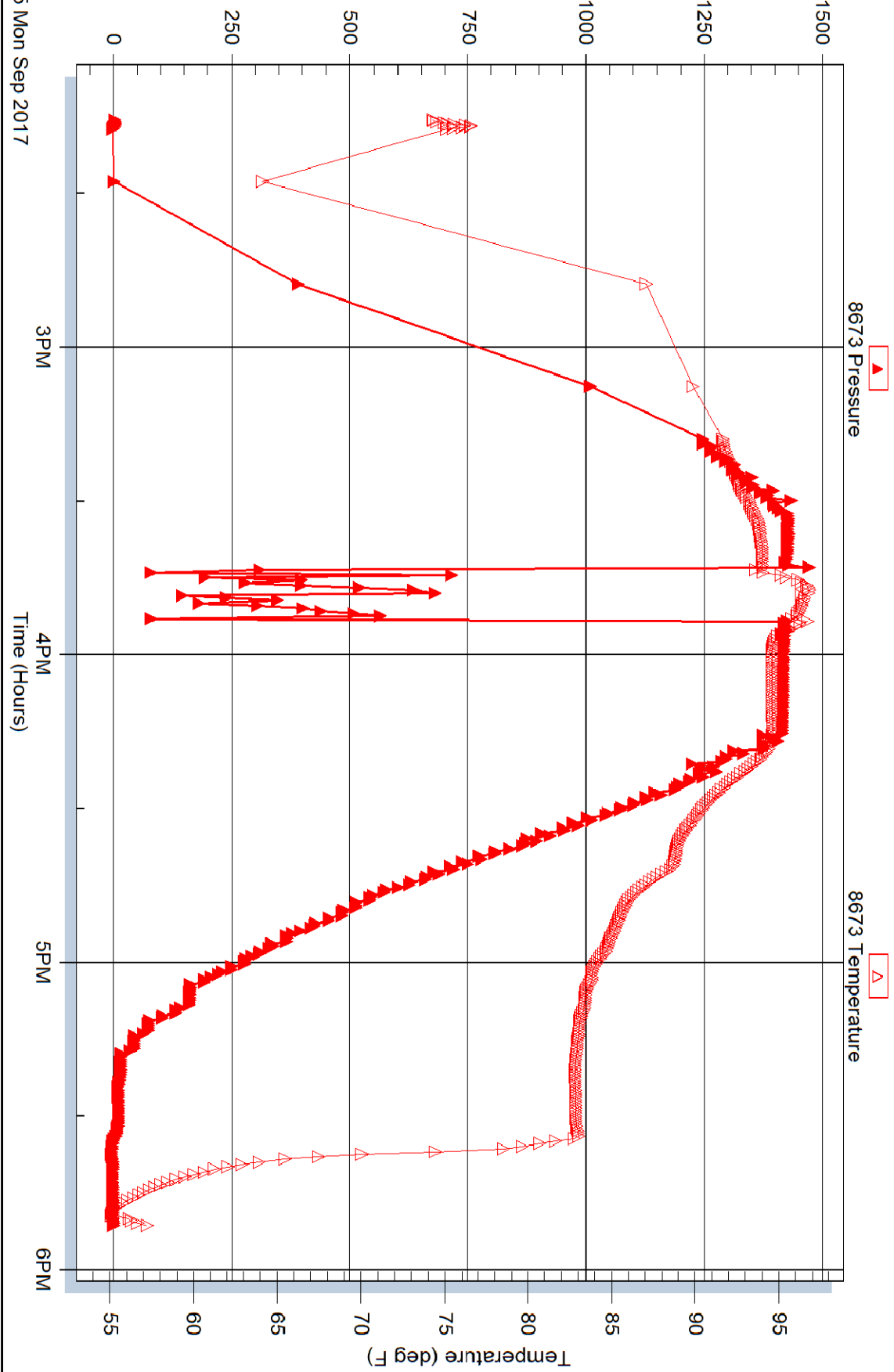
Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time

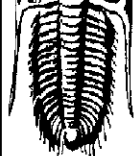


TRILOBITE

DRILL STEM TEST REPORT

Vess Oil Corporation

13-10s-17w 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

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)**

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 #: 8360

Inside

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

Capacity: 8000.00 psig

Start Date: 2017.09.25

End Date:

2017.09.25

Last Calib.: 2017.09.26

Start Time: 00:20:38

End Time:

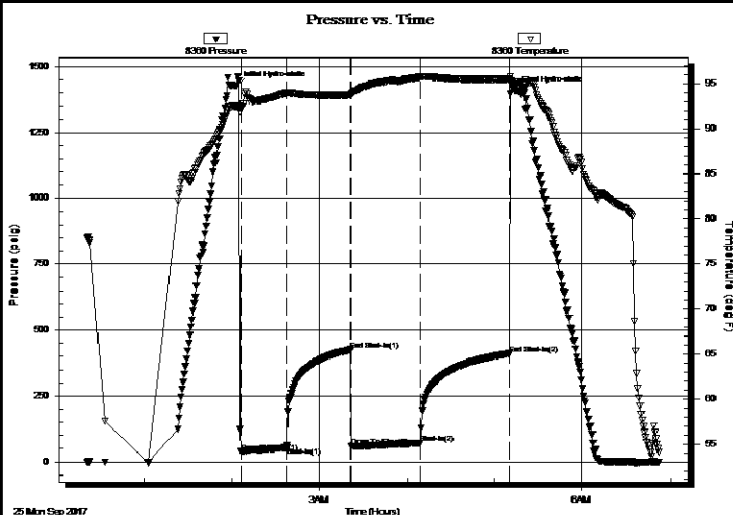
06:53:17

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 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)
--	----------------	-----------------	------------------

* Recovery from multiple tests

Trilobite Testing, Inc

Ref. No: 63086

Printed: 2017.09.26 @ 07:58:54

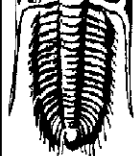


TRILOBITE

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

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 #: 8673**Outside**

Press@RunDepth: psig @ 3051.00 ft (KB)

Start Date: 2017.09.25

End Date:

2017.09.25

Capacity: 8000.00 psig

Last Calib.: 2017.09.26

Start Time: 00:20:57

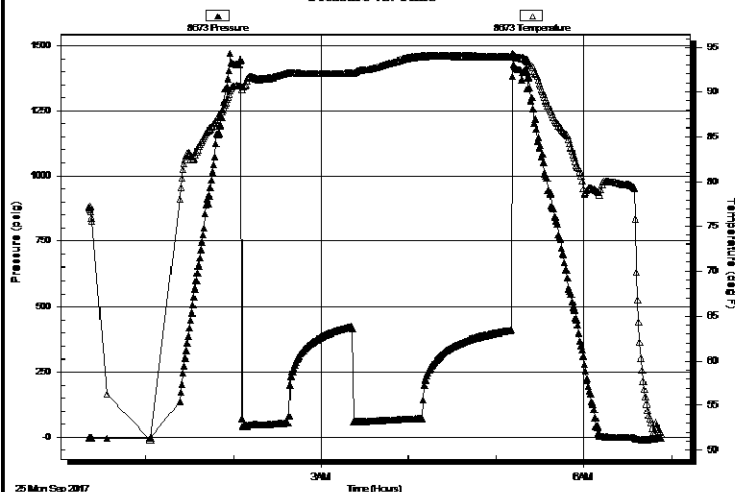
End Time:

06:53:21

Time On Btm:

Time Off Btm:

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
-------------	-----------------	--------------	------------

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)
--	----------------	-----------------	------------------

* Recovery from multiple tests

Trilobite Testing, Inc

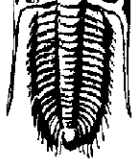
Ref. No: 63086

Printed: 2017.09.26 @ 07:58:54

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

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

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

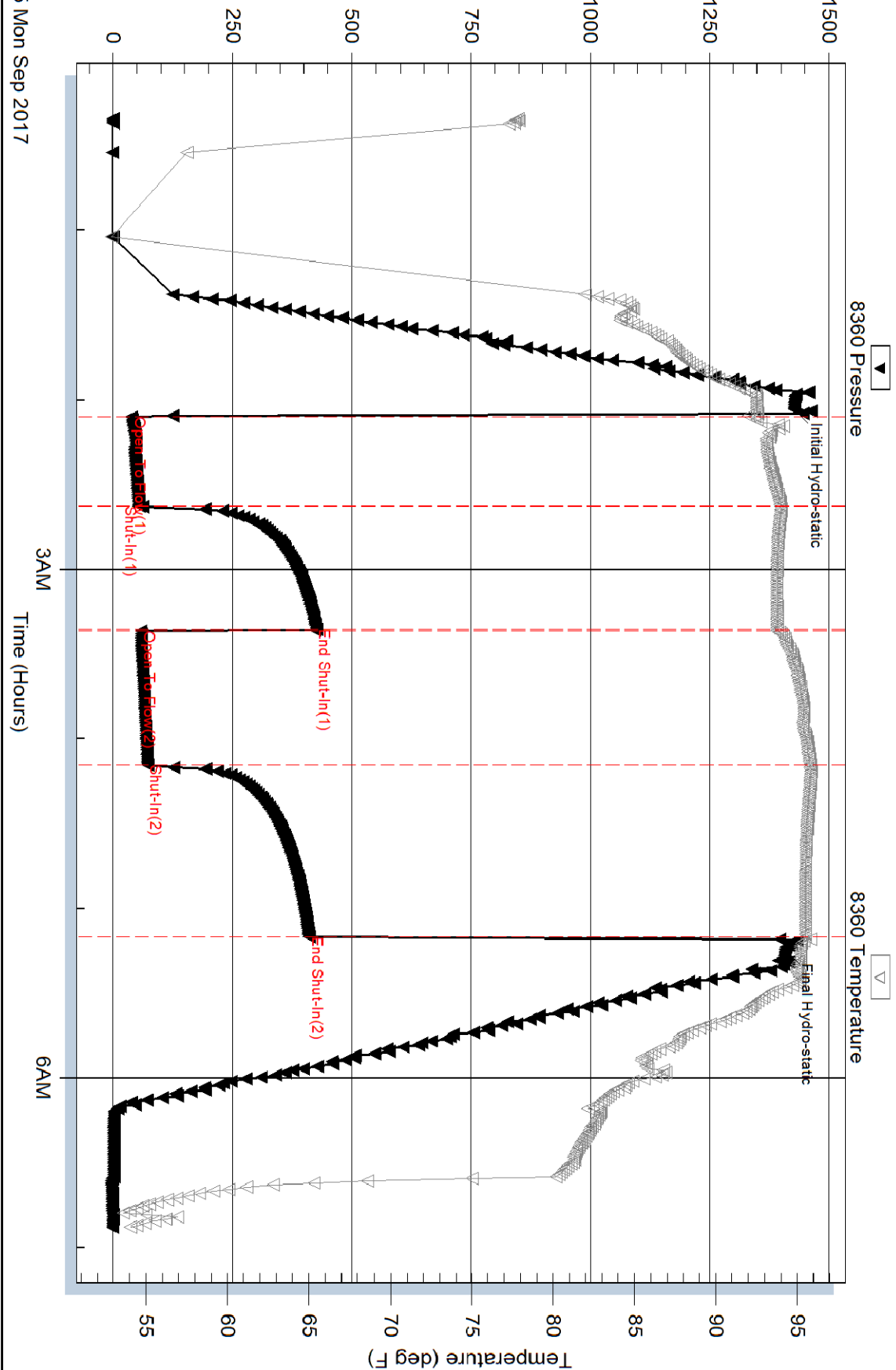
Serial #:

Laboratory Name:

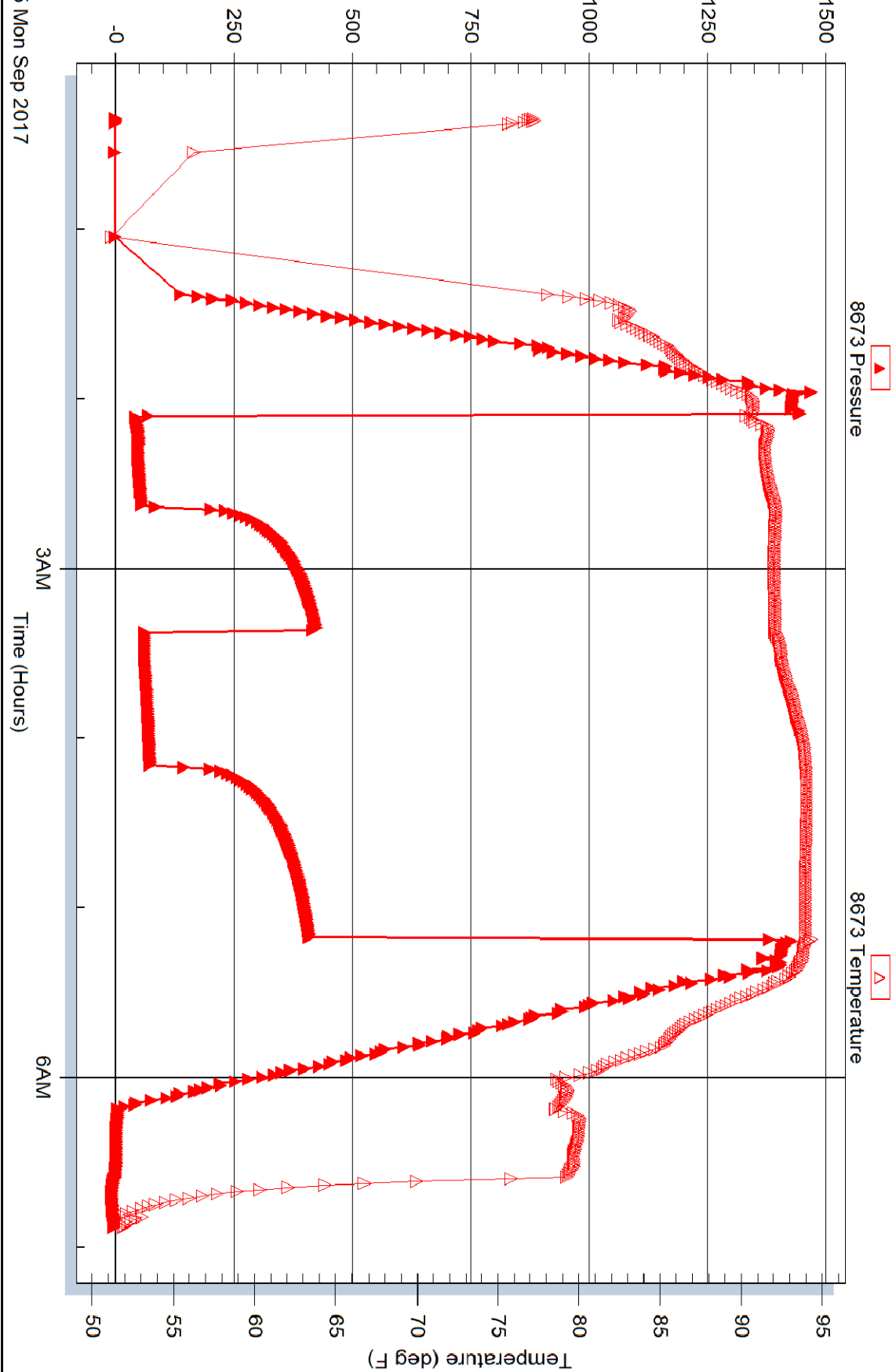
Laboratory Location:

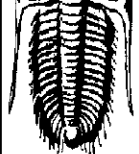
Recovery Comments: slid tool approx. 10' to bottom fter tool opened
RW .15@65F
sample betw een tool 45%M55%W w/show of oil

Pressure vs. Time



Pressure vs. Time



**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

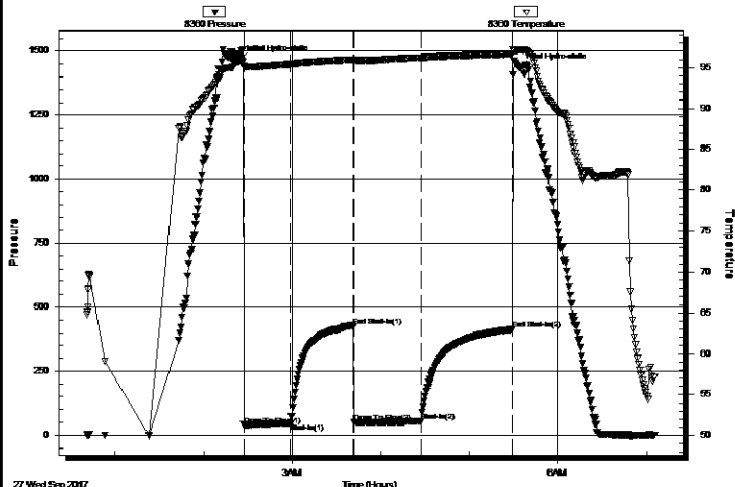
Capacity: 8000.00 psig

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 vs. Time**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

Gas Rates

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

* Recovery from multiple tests

Trilobite Testing, Inc

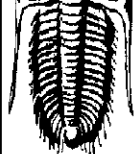
Ref. No: 63087

Printed: 2017.09.27 @ 08:08:49

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

Vess Oil Corporation

13-10s-17w Rooks

**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

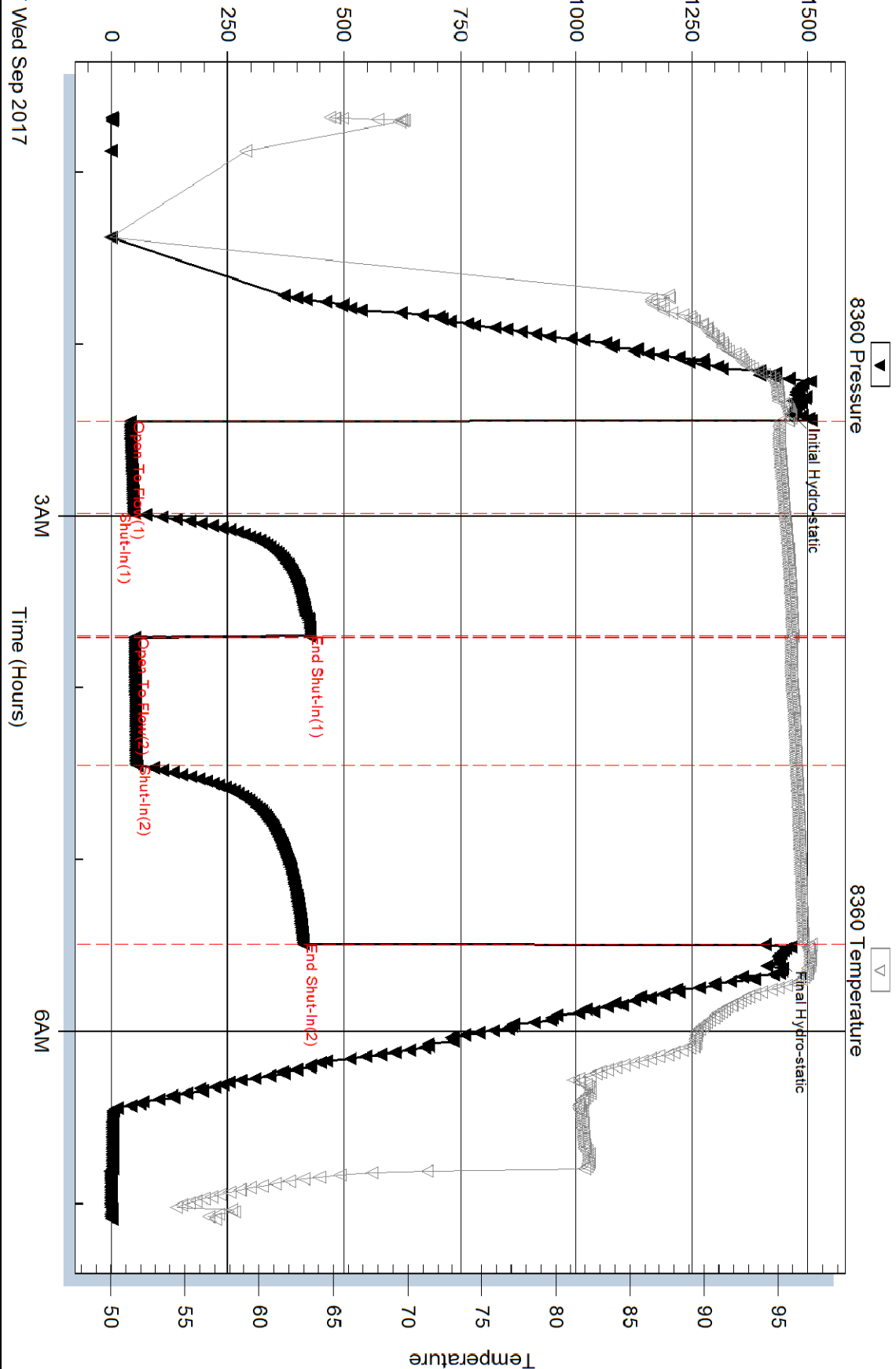
Serial #:

Laboratory Name:

Laboratory Location:

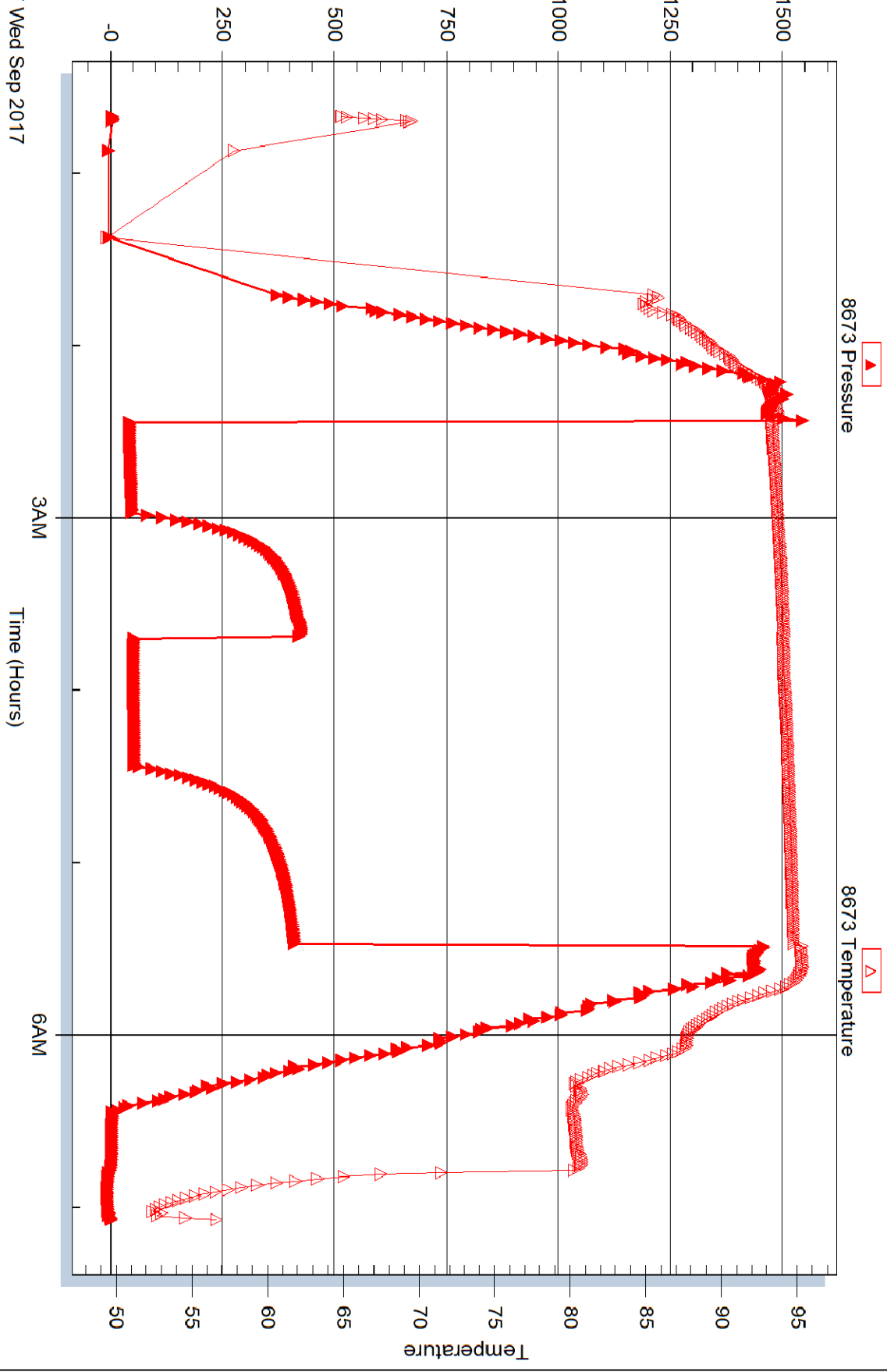
Recovery Comments:

Pressure vs. Time



Wed Sep 2017

Pressure vs. Time



WELL DRILLING RECORD

Comeau B #1 – API #15-163-24344-0000

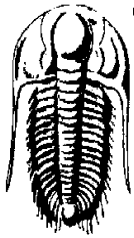
NE NE NE Sec. 13-10S-17W
330' FNL & 330' FEL
Rooks County, KS

Elevation: 1958' GL
1966' KB

Surface Casing: 6 jts of New 8 5/8", 23# LS casing. Set @ 262.45' KB. Cemented by Basic w/ 200 sx 60/40 poz, 2% gel & 3 % CC. Cement did circulate.

Spud Date: 9/21/2017

	Comeau B #1							
Estimated Tops	Samples		Log Tops					
Zone:	Depth	(Datum)	Depth	(Datum)	Depth	(Datum)	Depth	(Datum)
Anhydrite	1178	(+788)						
Base Anhydrite	1219	(+747)						
Topeka	2872	(-906)						
Oread	3032	(-1066)						
Plattsmouth Por	3060	(-1094)						
Heebner	3094	(-1128)						
Lansing	3139	(-1173)						
Stark	3336	(-1370)						
B/KC	3379	(-1413)						
Arbuckle	3486	(-1520)						
RTD	3538	(-1572)						



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corporation

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

13-10s-17w Rooks

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 #: 8360 Inside

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: 14:15:57

End Time:

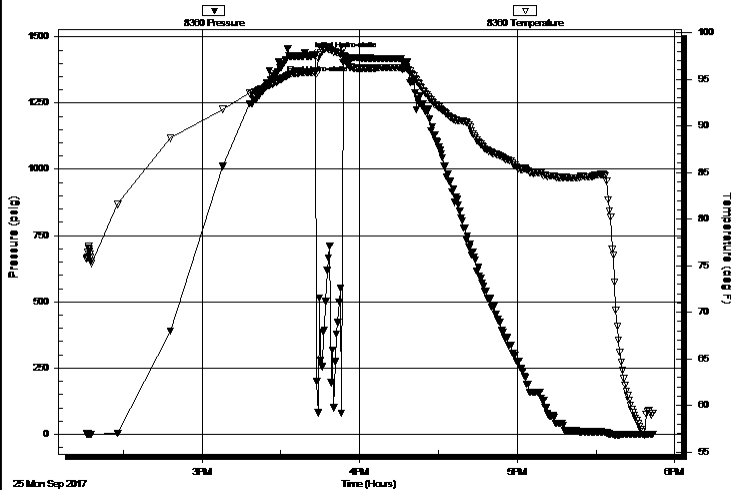
17:51:52

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

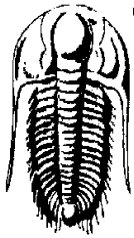
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1426.51	95.77	Initial Hydro-static
18	1421.66	96.21	Final Hydro-static

Recovery

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

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corporation

13-10s-17w Rooks

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

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:

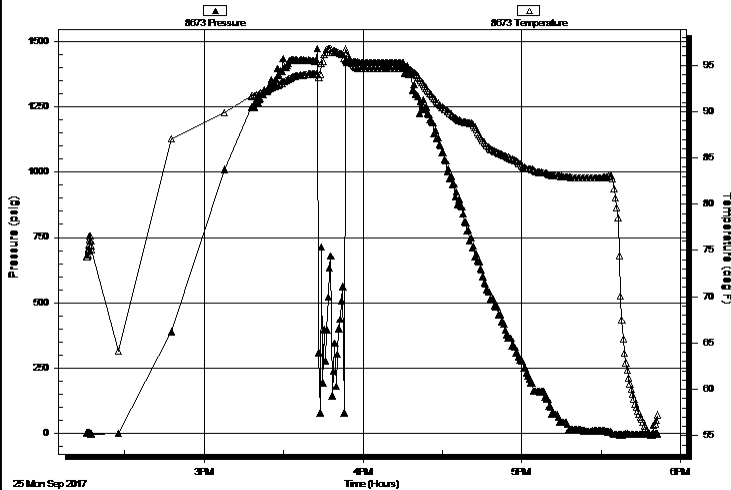
17:51:36

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

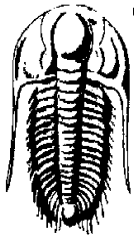
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
-------------	-----------------	--------------	------------

Recovery

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

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corporation

13-10s-17w Rooks

1700 Waterfront Pkwy

Comeau B #1

Bldg 500

Job Ticket: 63085

DST#: 1

Wichita Ks 67206-6619

Test Start: 2017.09.25 @ 14:15:57

ATTN: Dylan Klaus , Roger

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: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

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:

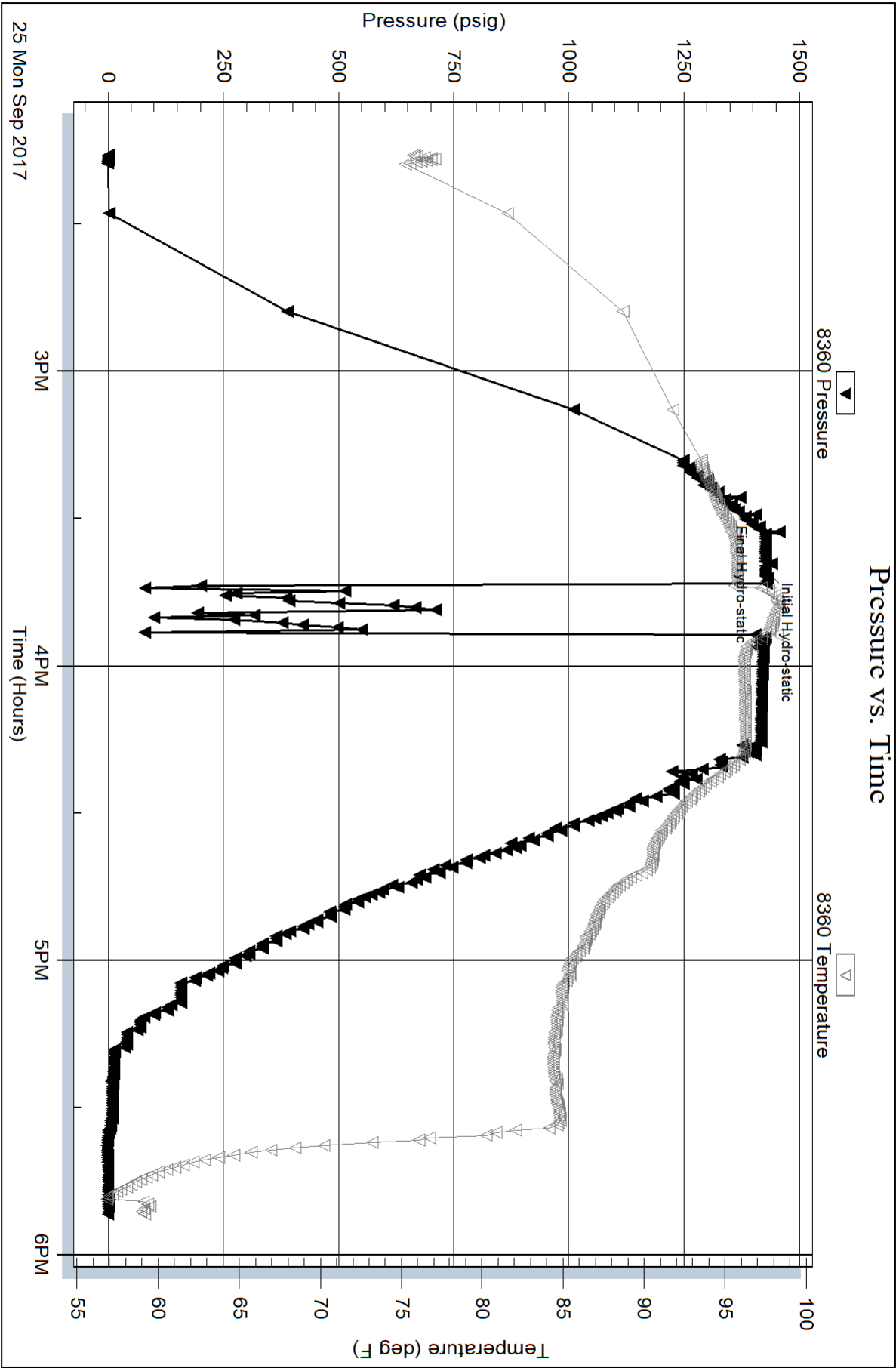
Serial #: 8360

Inside

Vess Oil Corporation

Comeau B #1

DST Test Number: 1

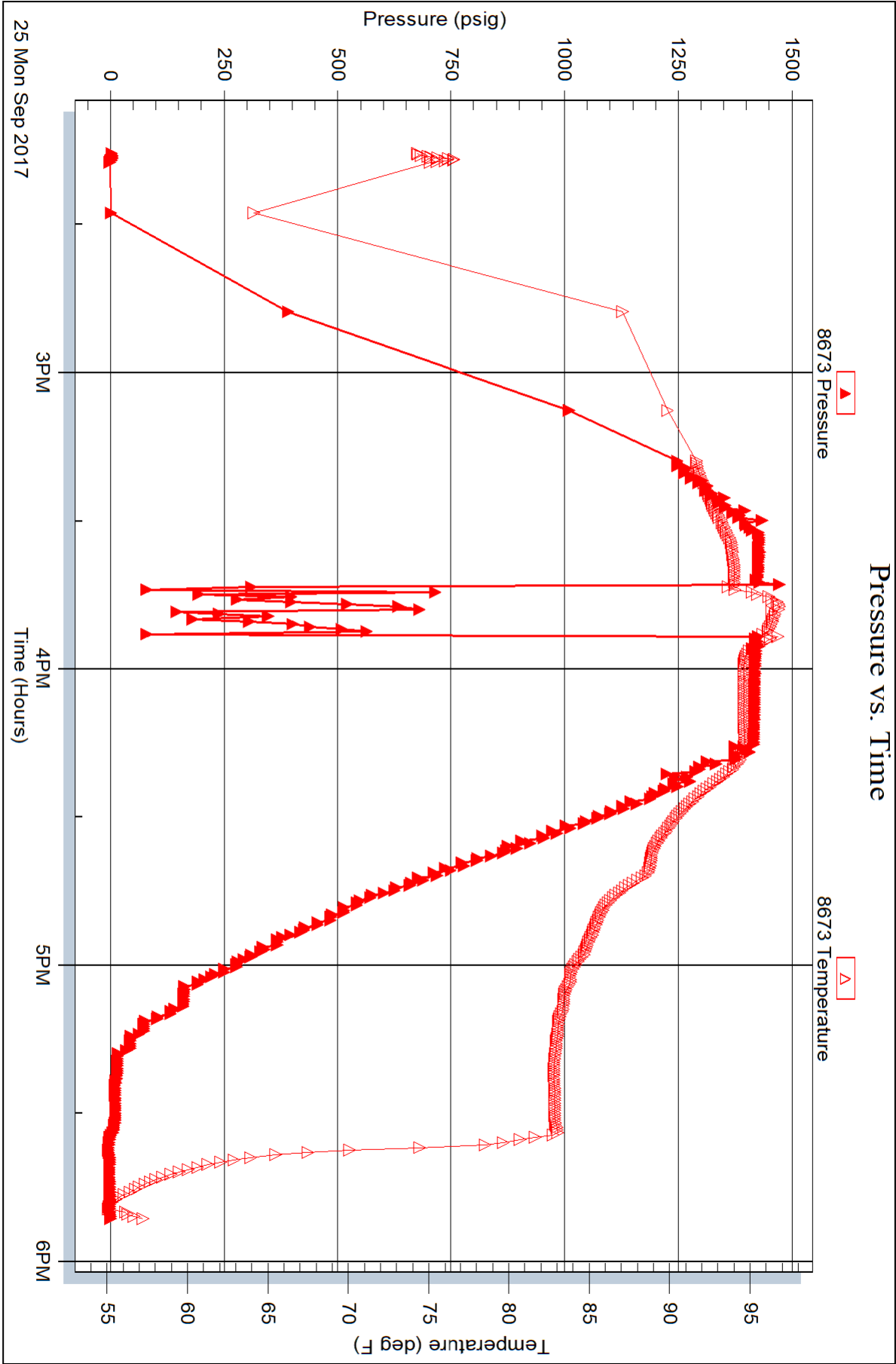


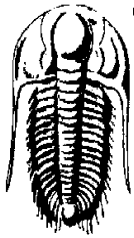
Serial #: 8673

Outside Vess Oil Corporation

Comeau B #1

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corporation

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

13-10s-17w Rooks

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

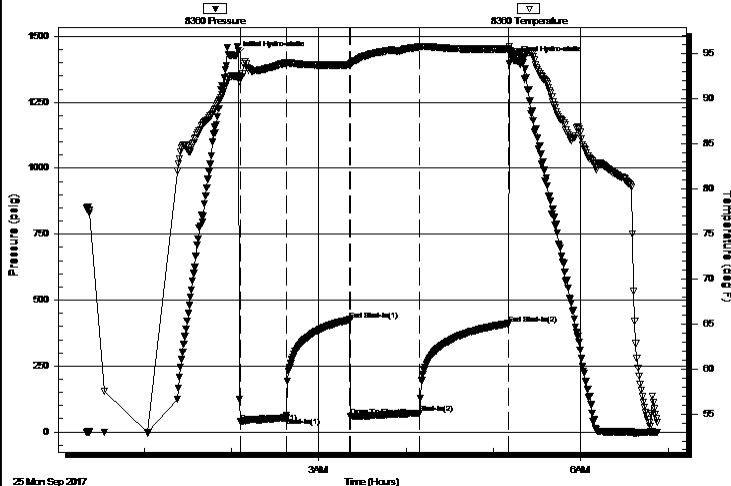
Last Calib.: 2017.09.26

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)
--	----------------	-----------------	------------------

* Recovery from multiple tests



Vess Oil Corporation

13-10s-17w Rooks

Comeau B #1

Job Ticket: 63086

DST#: 2

Test Start: 2017.09.25 @ 00:20:38

Formation: **Platts mouth**

Test Type: Conventional Bottom Hole (Reset)

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 inchesHole 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.:

2017.09.26

Start Time: 00:20:57

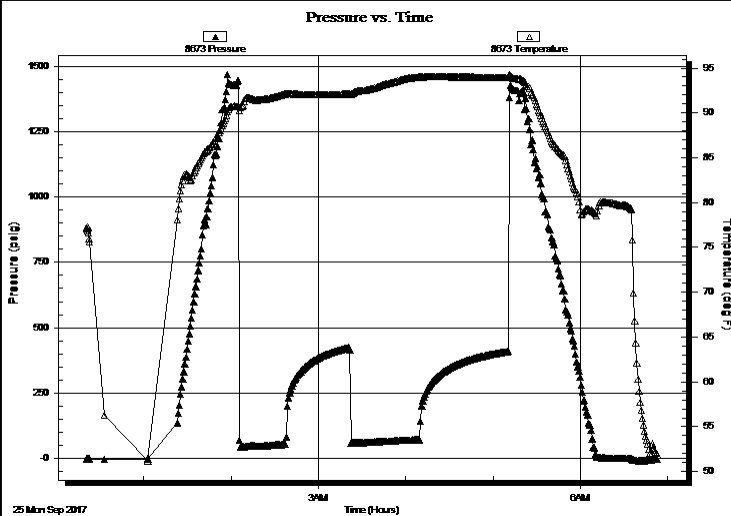
End Time:

06:53:21

Time On Btm:

Time Off Btm:

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

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

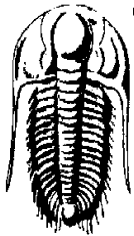
Annotation

Recovery

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corporation

13-10s-17w Rooks

1700 Waterfront Pkwy

Comeau B #1

Bldg 500

Job Ticket: 63086

DST#: 2

Wichita Ks 67206-6619

Test Start: 2017.09.25 @ 00:20:38

ATTN: Dylan Klaus , Roger

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:

54000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

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

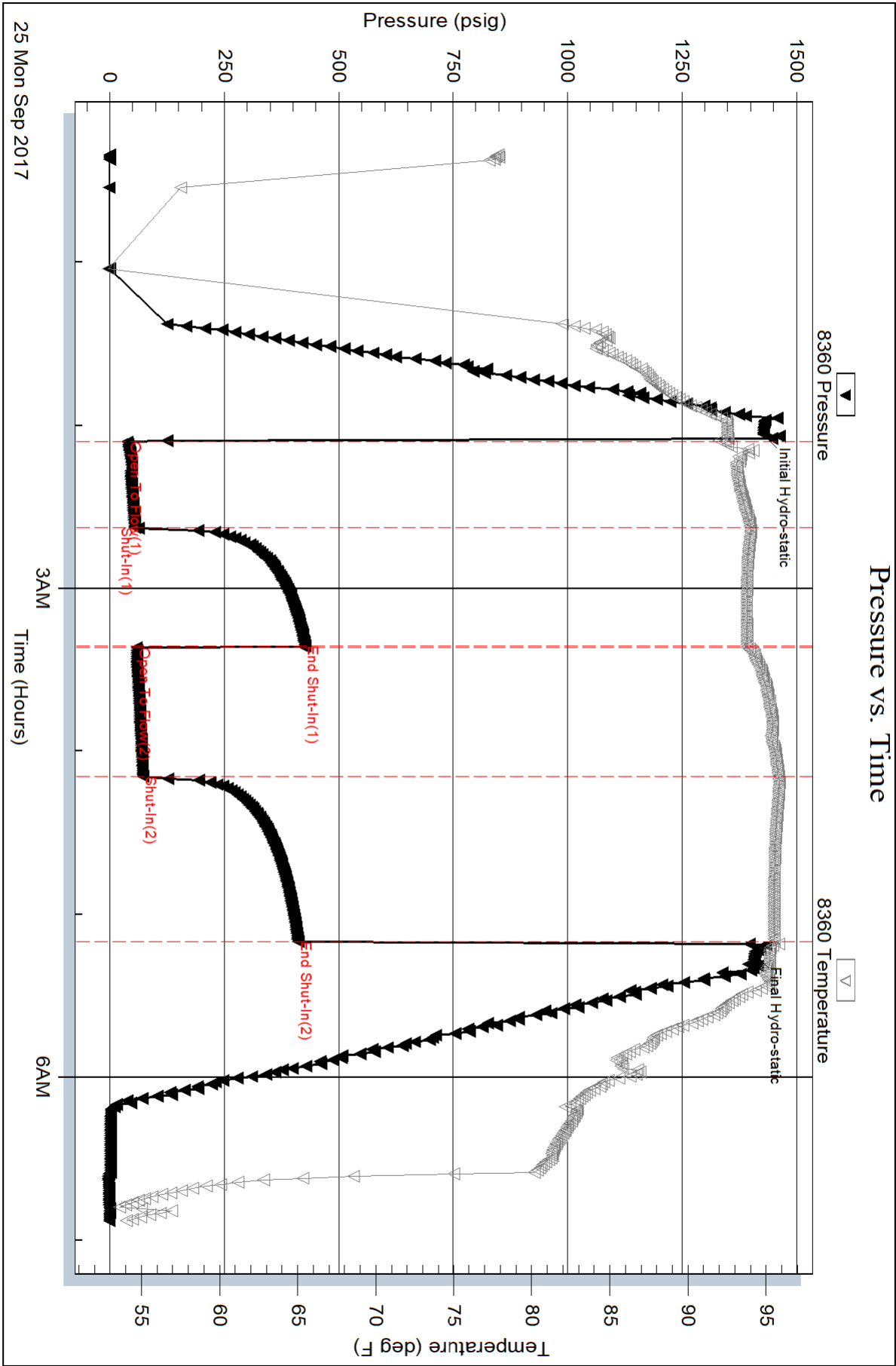
Serial #: 8360

Inside

Vess Oil Corporation

Comeau B #1

DST Test Number: 2

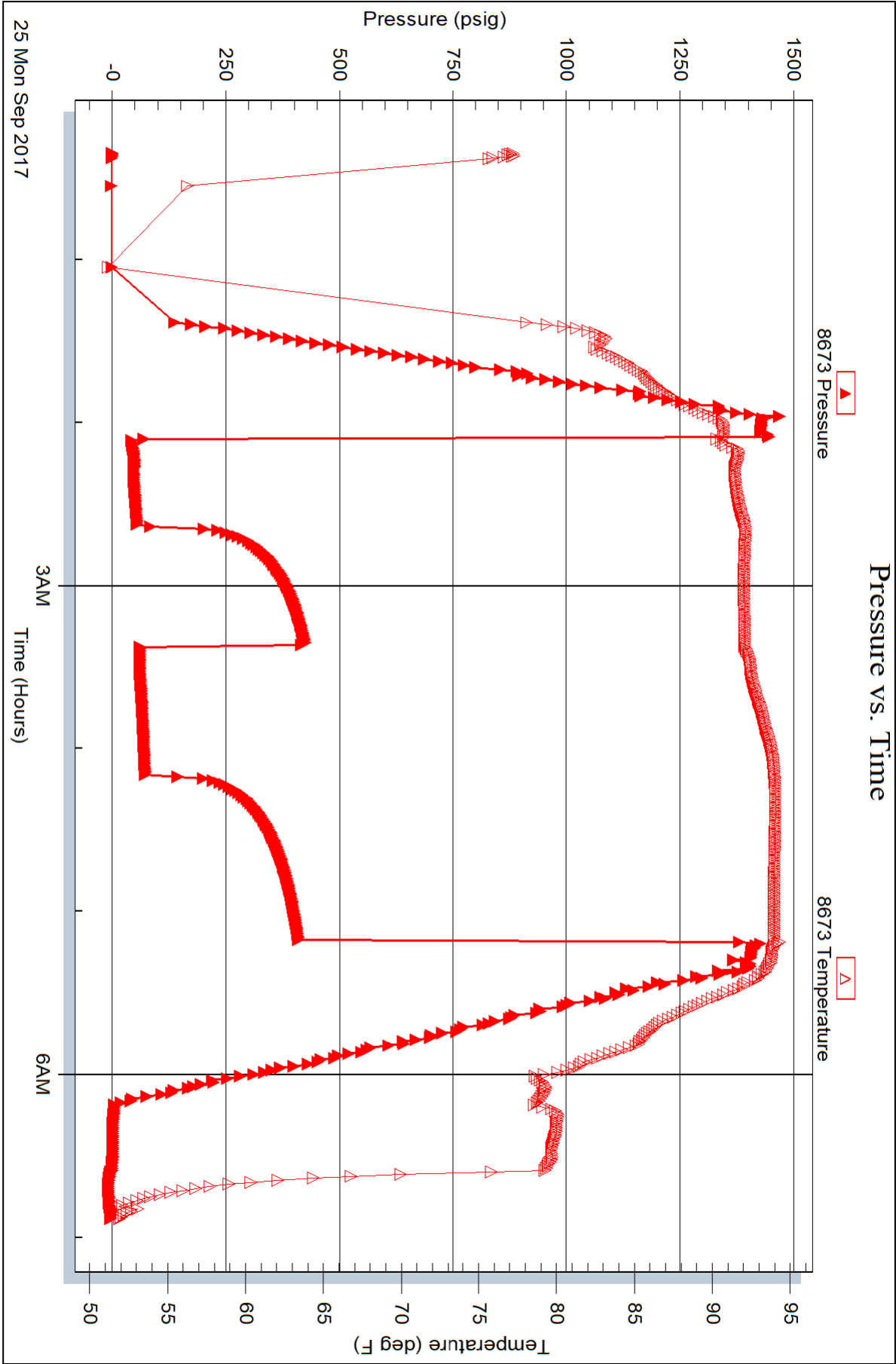


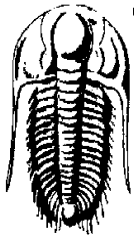
Serial #: 8673

Outside Vess Oil Corporation

Comeau B #1

DST Test Number: 2





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corporation

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

13-10s-17w Rooks

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

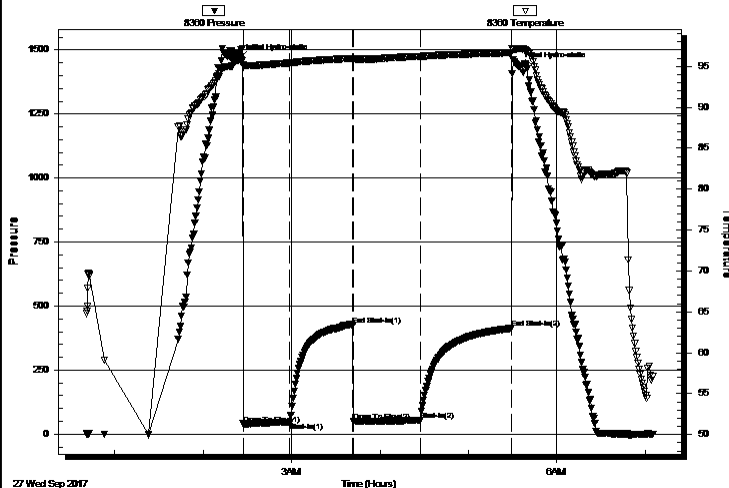
Last Calib.: 2017.09.27

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 vs. Time



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

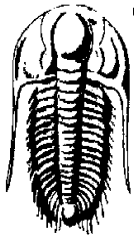
Recovery

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

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corporation

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

13-10s-17w Rooks

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 #: 8673 Outside

Press@RunDepth: psig @ 3091.00 ft (KB)

Start Date: 2017.09.27

End Date:

2017.09.27

Start Time: 00:40:21

End Time:

07:04:15

Capacity: 8000.00 psig

Last Calib.:

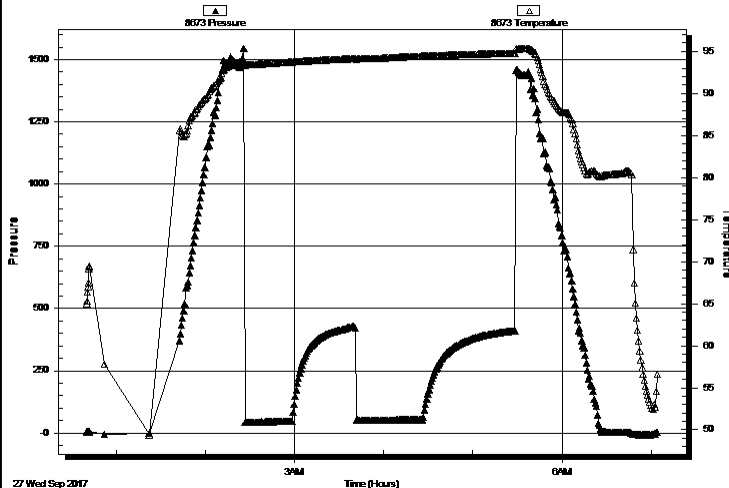
2017.09.27

Time On Btm:

Time Off Btm:

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 vs. Time



PRESSURE SUMMARY

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

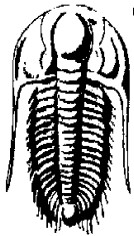
Recovery

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

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corporation

13-10s-17w Rooks

1700 Waterfront Pkwy

Comeau B #1

Bldg 500

Job Ticket: 63087

DST#: 3

Wichita Ks 67206-6619

Test Start: 2017.09.27 @ 00:40:56

ATTN: Dylan Klaus , Roger

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

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:

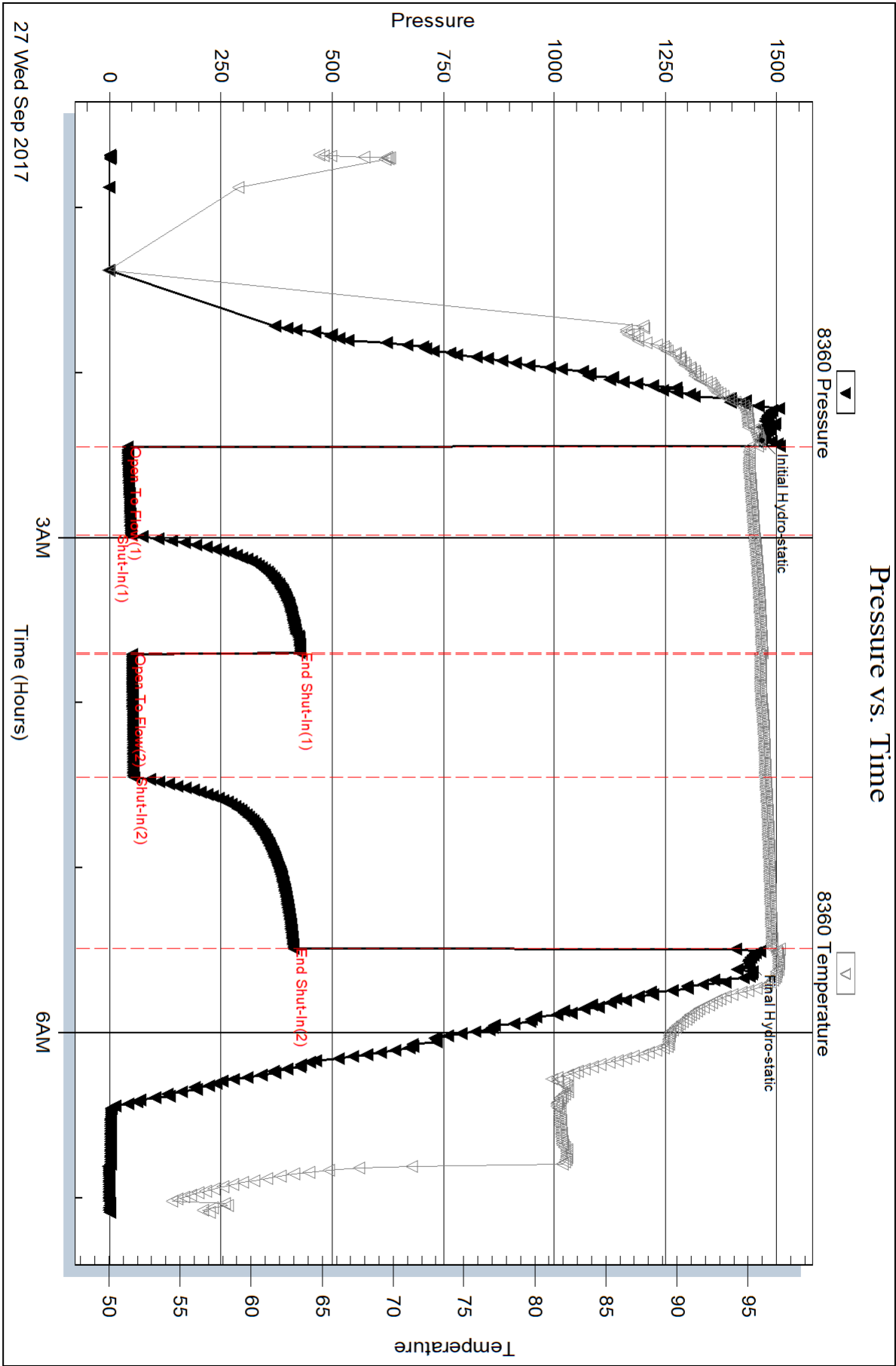
Serial #: 8360

Inside

Vess Oil Corporation

Comeau B #1

DST Test Number: 3

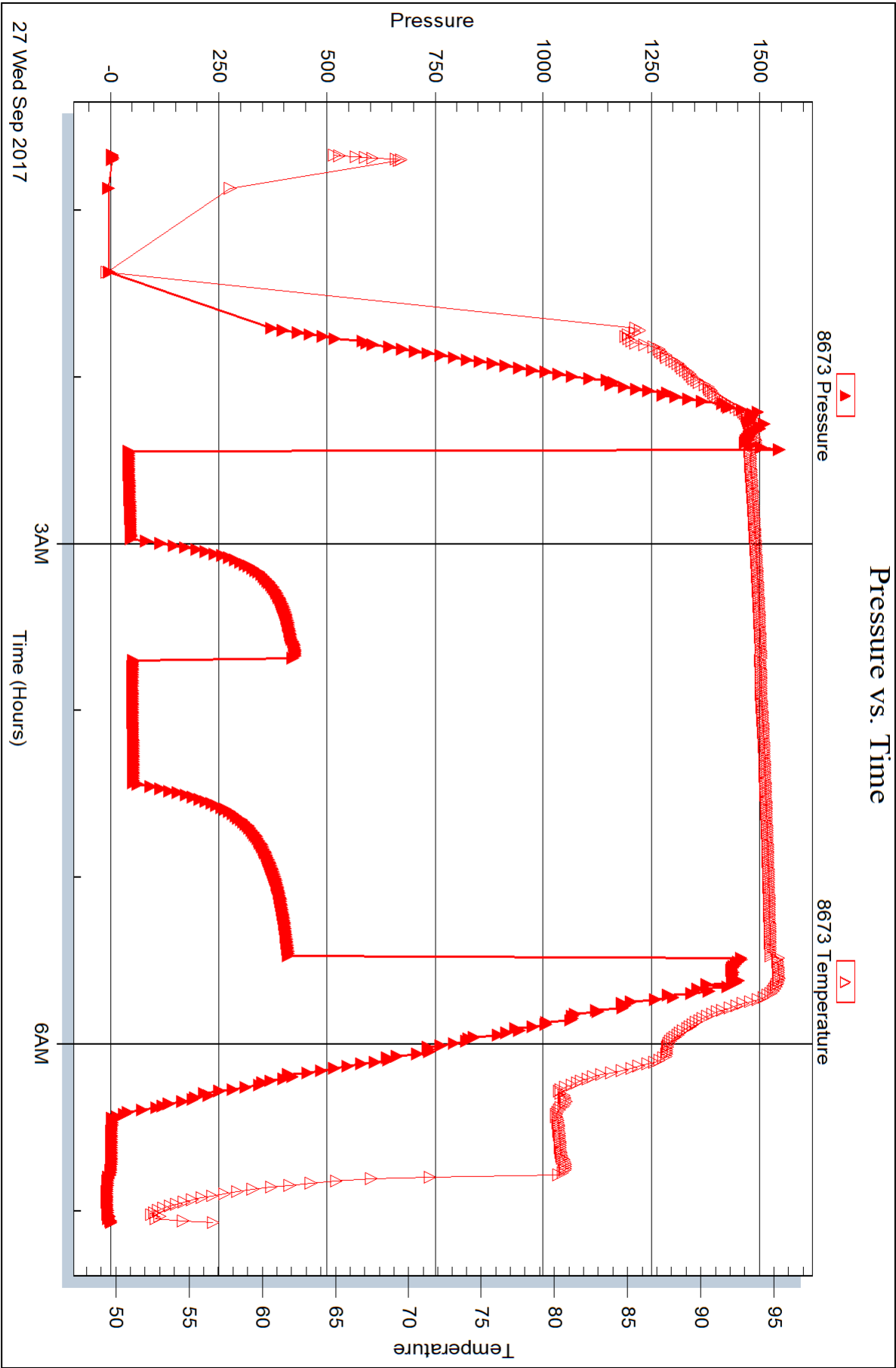


Serial #: 8673

Outside Vess Oil Corporation

Comeau B #1

DST Test Number: 3





BASIC
ENERGY SERVICES



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1004542	1718	09/22/2017
INVOICE NUMBER			
92526836			

Pratt (620) 672-1201
B VESS OIL CORPORATION
I 1700 WATERFRONT PKWY BLDG 500
L WICHITA
L KS US 67206
T
O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Comeau B 1
O
B LOCATION
COUNTY Rooks
S STATE KS
I JOB DESCRIPTION Cement-New Well Casing/Pi
T JOB CONTACT
E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41057540	19843		Net - 30 days	10/22/2017

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 09/21/2017 to 09/21/2017				
0041057540				
171815269A Cement-New Well Casing/Pi 09/21/2017				
Cement 8 5/8 Surface				
60/40 POZ	200.00	EA	6.60	1,320.00 T
Calcium Chloride	516.00	EA	0.58	297.99 T
Celloflake	50.00	EA	2.04	101.75 T
"Unit Mileage Chg (PU, cars one way)"	100.00	MI	2.48	247.50
Heavy Equipment Mileage	200.00	MI	4.13	825.00
Proppant & Bulk Del. Chgs., per ton mil	860.00	EA	1.38	1,182.50
Blending & Mixing Service Charge	200.00	BAG	0.77	154.00
Depth Charge; 0-500'	1.00	EA	550.00	550.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	96.25	96.25

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	4,774.99
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	120.38
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	4,895.37
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



**10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201**

FIELD SERVICE TICKET

1718 15269 A

DATE TICKET NO. _____

13-105-17w

DATE OF JOB 9/21/2017		DISTRICT Prstt, KS		NEW WELL ☒ OLD WELL ☐		PROD ☐ INJ ☐ WDW ☐		CUSTOMER ORDER NO.:		
CUSTOMER Vess Oil Corporation				LEASE Comes U "B"				WELL NO. 1		
ADDRESS				COUNTY Rooks				STATE KS		
CITY				STATE				SERVICE CREW Darin, M. McGraw, Riley		
AUTHORIZED BY				JOB TYPE: 242/8 3/8 surface						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED		DATE 9/21	AM PM	TIME 11:00
19843	1/2					ARRIVED AT JOB		9/21	AM PM	3:30
73768	1/2					START OPERATION		9/21	AM PM	7:00
						FINISH OPERATION		9/21	AM PM	7:30
						RELEASED		9/21	AM PM	8:00
						MILES FROM STATION TO WELL		127		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or **merchandise** is delivered).

The undersigned is **authorized** to execute this contract as an agent of the **customer**. As such, the **undersigned agrees and acknowledges** that this contract for services, **materials**, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or **conditions** shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED:

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

[illegible]

SUB TOTAL	8,681	80
-----------	-------	----

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
D. SCOURING TOTAL		4,774	99

SERVICE
REPRESENTATIVE

THE ABOVE MATERIAL AND SERVICE
ORDERED BY CUSTOMER AND RECEIVED BY:

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

[illegible]