

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY VESS OIL CORPORATION	ELEVATIONS
LEASE KABA #8	KB 2075' GL 2067'
FIELD JELINEK	Measurements Are All
LOCATION 2310' FSL & 3630' FEL	From KB
SECTION 14 TOWNSHIP 9S RANGE 19W	API # 15-163-24460
COUNTY ROOKS STATE KANSAS	

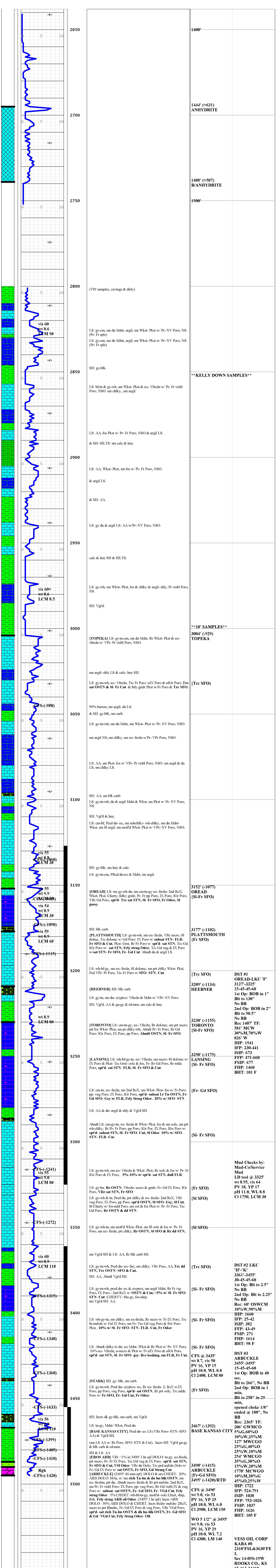
CONTRACTOR DISCOVERY DRILLING, Rig #4	CASING
SPUD 07/20/2022 COMP 07/27/2022	SURFACE 5 jts 8 5/8" 23# LS
RTD 3495' (-1420) LTD N/A	set @ 221' w/200 sx H-325
ELECTRICAL SURVEYS	PRODUCTION 83 jts 5 1/2" 15.5#
N/A- No Open Hole E-Logs	MW-55 set @ 3491' w/130 sx H-LD

FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
ANHYDRITE		1444' (+631)	07/20/2022- MIRU Discovery Drilling, Rig #4.
TOPEKA		3004' (-929)	SPUD well @ 2:45 PM. DTD 221' KB. Set 5 jts new 8 5/8" 23# LS casing (tally 211.59'). MIRU HSI and cement w/ 200sx H-325, cement did circulate to surface.
OREAD		3152' (-1077)	
PLATTSMOUTH		3177' (-1102)	
HEEBNER		3209' (-1134)	07/21/2022- Drilled out from under surface @ 4:45 AM. Drilling @ 535' @ 7 AM.
TORONTO		3230' (-1155)	07/22/2022- Drilling @ 2450' @ 7 AM. Bit trip @ 2716'. Displace mud system @ 2800.
LANSING		3250' (-1175)	
BASE KANSAS CITY		3467' (-1392)	07/23/2022- Drilling @ 3015' @ 7 AM.
ARBUCKLE		3490' (-1415)	07/24/2022- DST #1 @ 3325' @ 7 AM.
RTD/LTD		3495' (-1420)	07/25/2022- Drilling @ 3425' @ 7 AM. Run DST #2.
			07/26/2022- RTD @ 3495' @ 7 AM. Run DST #3/
			07/27/2022- POOH w/ drill pipe laying down @ RTD 3495' to run production casing.

REMARKS:

Production Casing: Run 83 jts of new 5 1/2" 15.5# MW-55 casing, two baskets, seven centralizers and float equipment. Tagged hard bottom, picked up 4' and circulate mud. HSI dropped ball, set packer shoe w/1350 psi. Pumped mud flush, flush w/750 psi, water, and pumped 130 sx H-LD cement @ 14.8 ppg, displaced and landed plug w/50 psi bumper, bumped to 1250 psi. Released pressure and plug held w/ 1/2 bbl back to tank. Time of 6:25 OM. Dropped bomb and opened DV tool set @ 1470' w/ 1/4 bbl mud @ 1000 psi. Circ mud for 2 hours. Mixed 30 sx H-LD cement @ 12 ppg for rat hole, 20 sx H-Con cement @ 12 ppg for mouse hole and 2 1/8" H-Con cement @ 12 ppg for down hole. Fr SFO, Gd String Cut, replace, plug down @ 475 psi, landed w/1150 psi w/5 bbl cement circ to pit. Cement did circ to surface. Time of 10:12 PM. Washed up, rigged down.

Respectfully submitted,
Roger L. Martin, Geologist





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Vess Oil Corp
 1799 N. Waterfront PKWY Bldg 500
 Wichita, KS 67206
 ATTN: Roger Martin

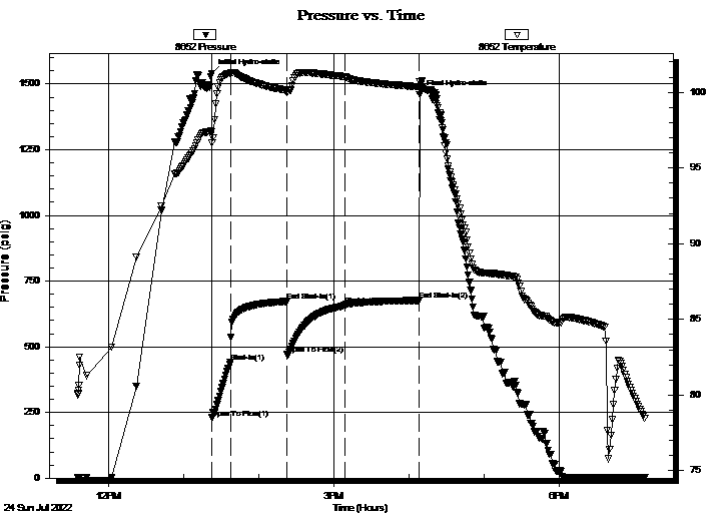
14_9_19 Rooks, KS
Koba #8
 Job Ticket: 96125 **DST#: 1**
 Test Start: 2022.07.24 @ 11:35:00

GENERAL INFORMATION:

Formation: **Oread-LKC F**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 13:22:30 Tester: Dustin Day
 Time Test Ended: 19:09:15 Unit No: 70
 Interval: **3127.00 ft (KB) To 3325.00 ft (KB) (TVD)** Reference Elevations: 2075.00 ft (KB)
 Total Depth: 3325.00 ft (KB) (TVD) 2067.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

Serial #: 8652 Outside
 Press@RunDepth: 659.71 psig @ 3128.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.07.24 End Date: 2022.07.24 Last Calib.: 2022.07.24
 Start Time: 11:35:05 End Time: 19:09:14 Time On Btm: 2022.07.24 @ 13:22:15
 Time Off Btm: 2022.07.24 @ 16:08:30

TEST COMMENT: IF-15- BOB in 1 min, Built to 130"
 SI1-45- No return
 FF-45- BOB in 2 min, Built to 90 1/2"
 SI2-60- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1540.75	97.42	Initial Hydro-static
1	229.78	96.65	Open To Flow (1)
15	440.97	101.25	Shut-In(1)
61	672.87	100.13	End Shut-In(1)
61	470.83	99.99	Open To Flow (2)
107	659.71	101.02	Shut-In(2)
166	676.63	100.37	End Shut-In(2)
167	1460.40	100.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
826.00	Water 100%	11.30
581.00	MCW 30% mud 70% w ater	8.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp

14_9_19 Rooks, KS

1799 N. Waterfront PKWY Bldg 500
Wichita, KS 67206

Koba #8

Job Ticket: 96125

DST#: 1

ATTN: Roger Martin

Test Start: 2022.07.24 @ 11:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

96000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 850.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
826.00	Water 100%	11.304
581.00	MCW 30% mud 70% water	8.150

Total Length: 1407.00 ft

Total Volume: 19.454 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

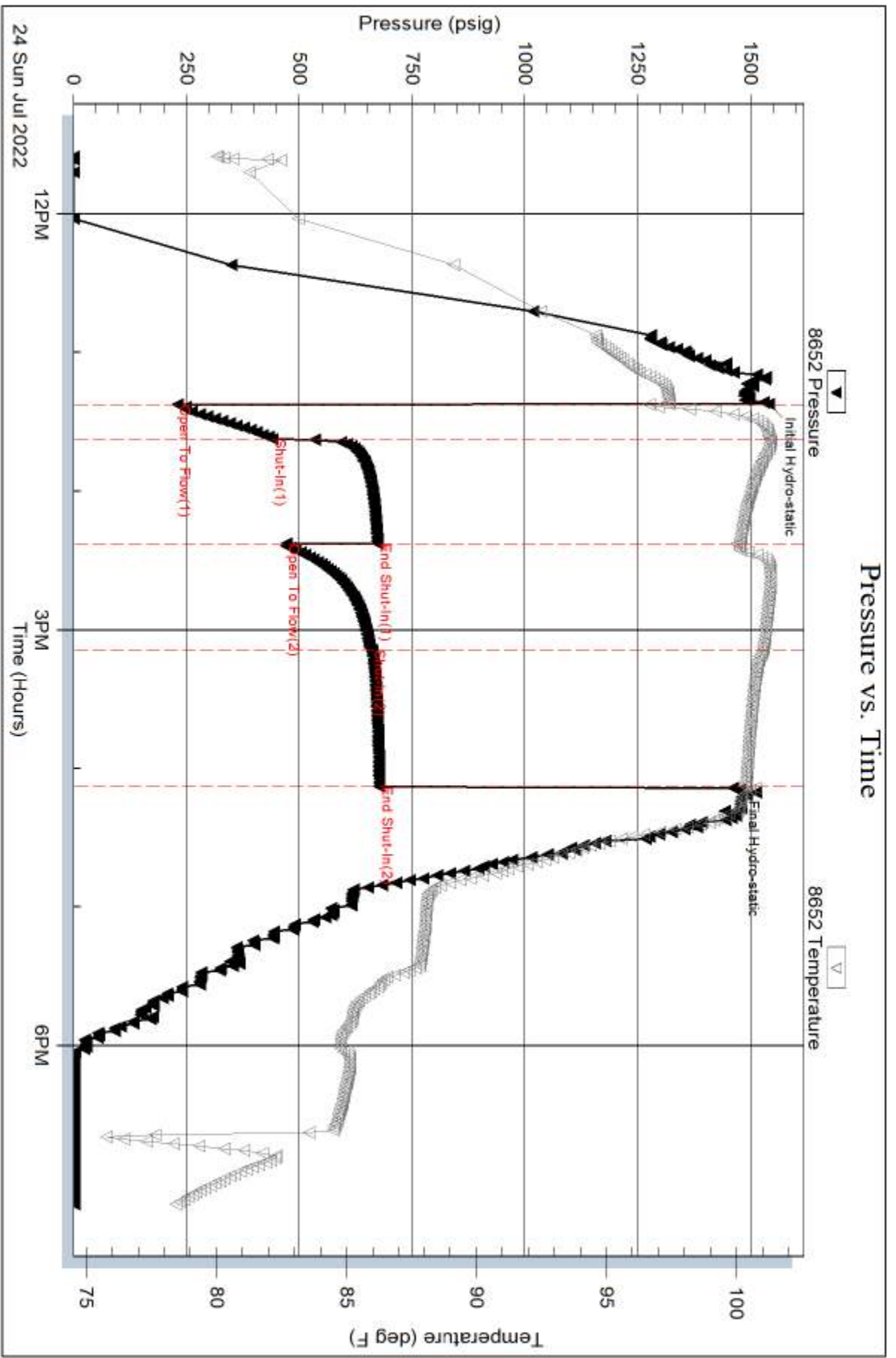
Recovery Comments: 3# LCM

Serial #: 8652

Outside Vess Oil Corp

Koba #8

DST Test Number: 1



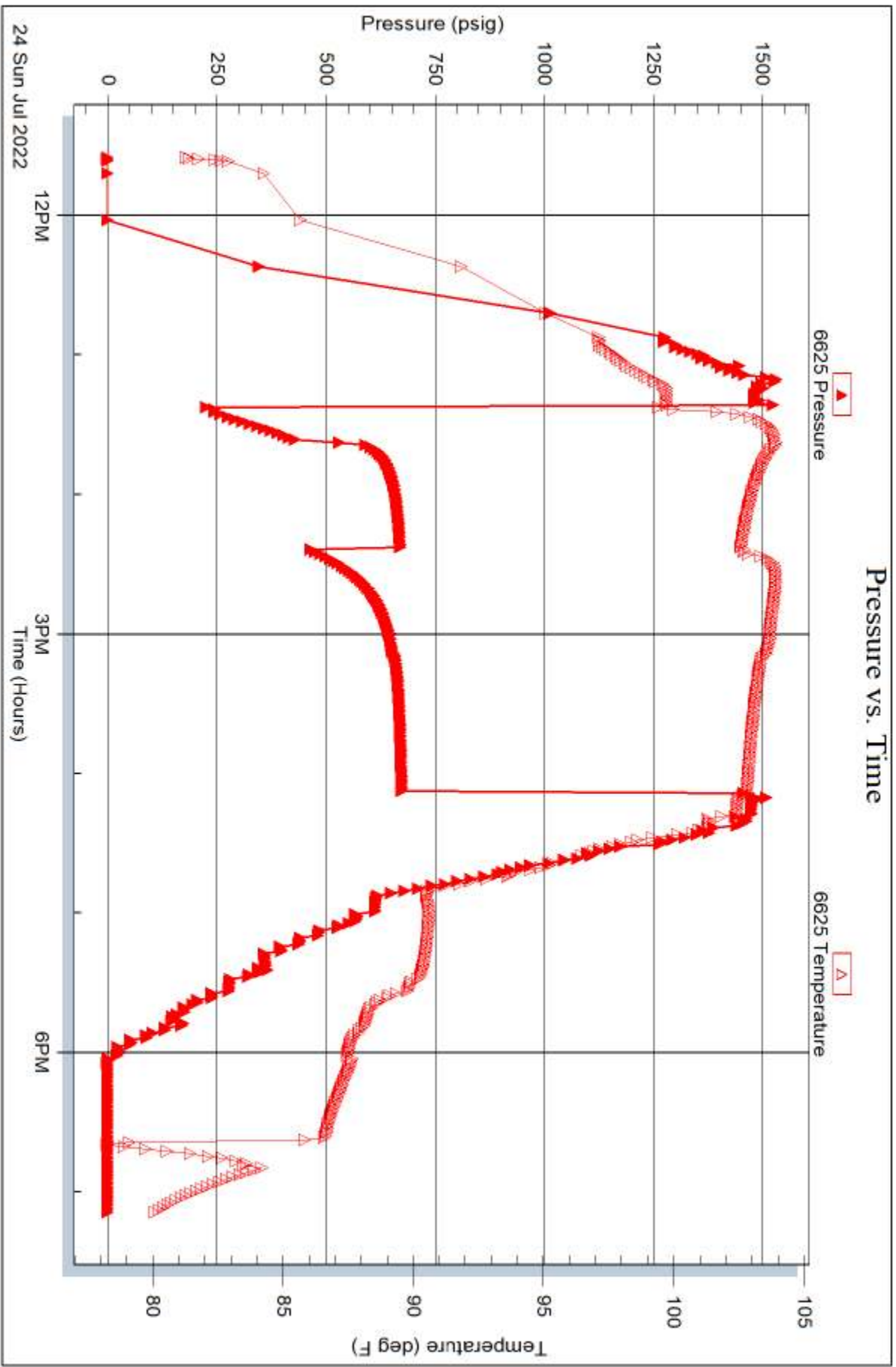
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Inside

Vess Oil Corp

Koba #8

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 96125

Printed: 2022.07.24 @ 19:33:27



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Vess Oil Corp
 1799 N. Waterfront PKWY Bldg 500
 Wichita, KS 67206
 ATTN: Roger Martin

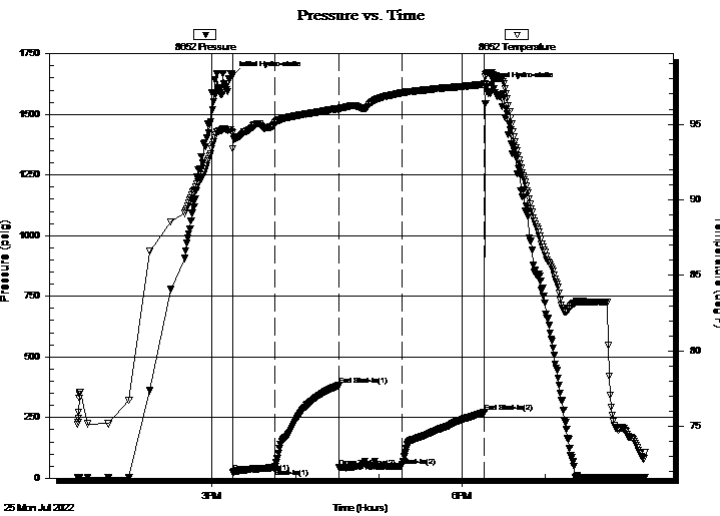
14_9_19 Rooks, KS
Koba #8
 Job Ticket: 69001 **DST#: 2**
 Test Start: 2022.07.25 @ 13:23:00

GENERAL INFORMATION:

Formation: **LKC H-K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:15:00
 Time Test Ended: 20:12:00
 Interval: **3361.00 ft (KB) To 3455.00 ft (KB) (TVD)**
 Total Depth: 3455.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 2075.00 ft (KB)
 2067.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8652 Outside
 Press@RunDepth: 49.40 psig @ 3362.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.07.25 End Date: 2022.07.25 Last Calib.: 1899.12.30
 Start Time: 13:23:05 End Time: 20:11:59 Time On Btm: 2022.07.25 @ 15:14:45
 Time Off Btm: 2022.07.25 @ 18:17:15

TEST COMMENT: IF-30- Built to 2 1/2"
 SI1-45- No return
 FF-45- Built to 2 1/4"
 SI2-60- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1659.75	94.47	Initial Hydro-static
1	25.06	93.38	Open To Flow (1)
31	41.62	94.98	Shut-In(1)
77	382.10	96.04	End Shut-In(1)
77	43.21	95.91	Open To Flow (2)
122	49.40	97.08	Shut-In(2)
182	270.67	97.65	End Shut-In(2)
183	1614.11	98.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSWCM 10%w ater 90% mud	0.56

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp
1799 N. Waterfront PKWY Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

14_9_19 Rooks, KS
Koba #8
Job Ticket: 69001 **DST#: 2**
Test Start: 2022.07.25 @ 13:23:00

Mud and Cushion Information

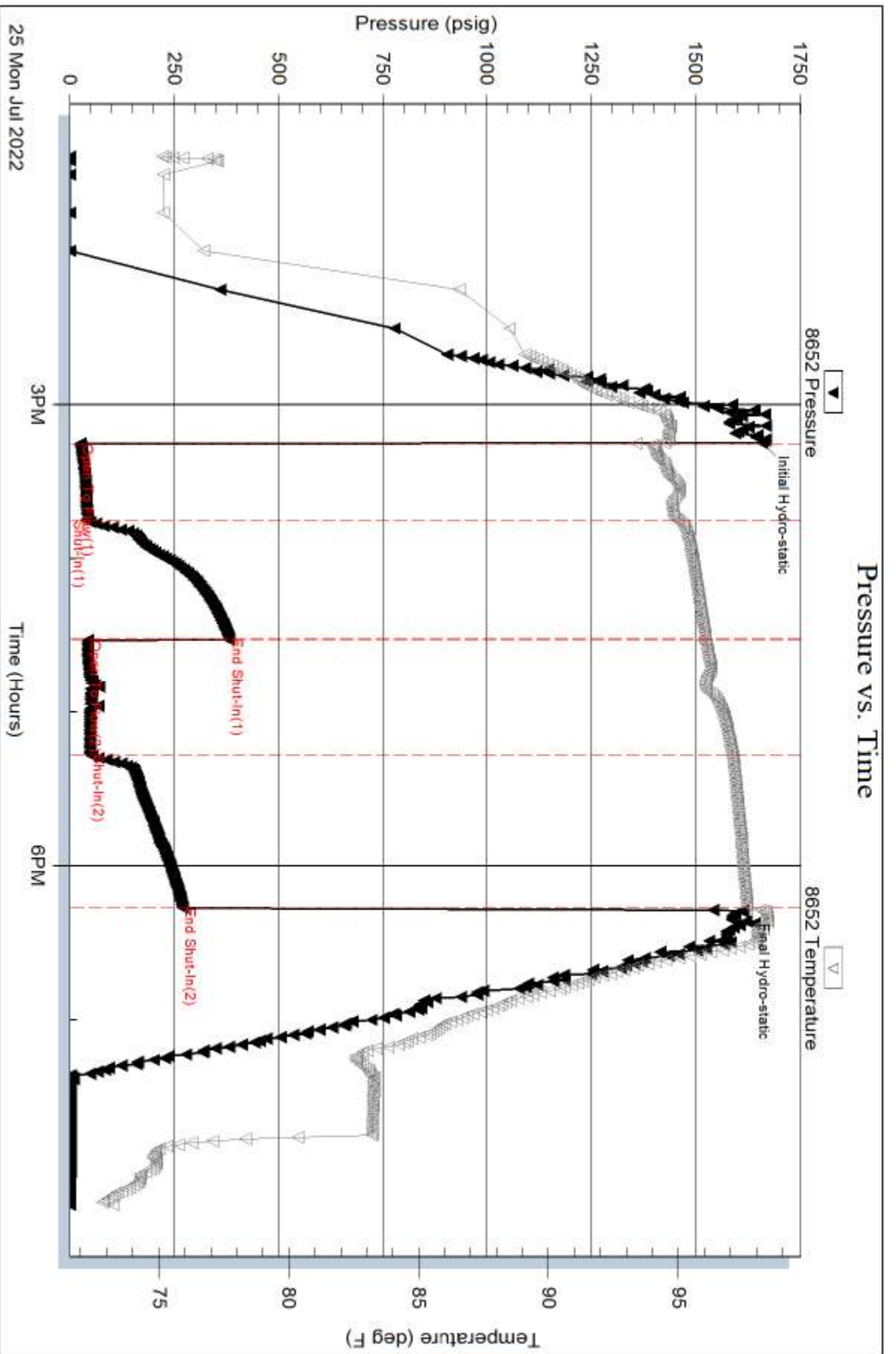
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	96000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OSWCM 10%w ater 90%mud	0.559

Total Length: 60.00 ft Total Volume: 0.559 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 8# LCM



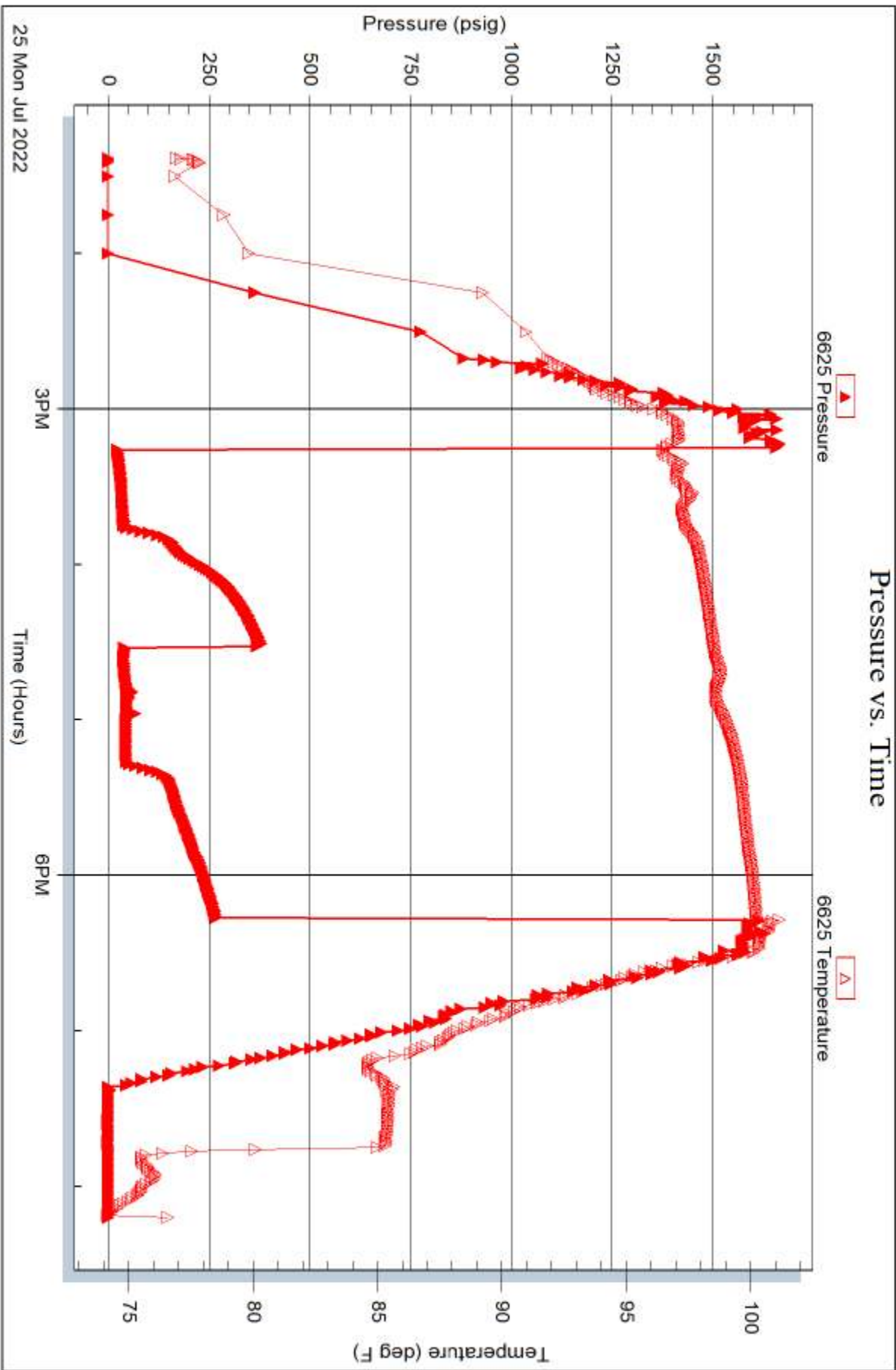
Serial #: 6625

Inside

Vess Oil Corp

Koba #8

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 69001

Printed: 2022.07.25 @ 22:29:22



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Vess Oil Corp
 1799 N. Waterfront PKWY Bldg 500
 Wichita, KS 67206
 ATTN: Roger Martin

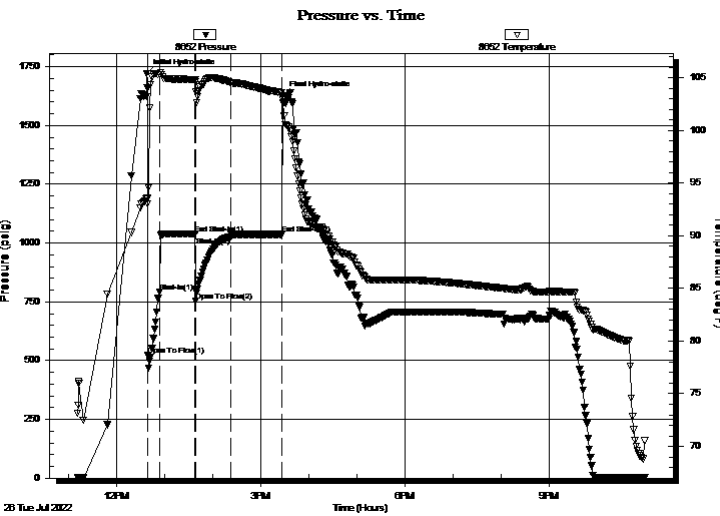
14_9_19 Rooks, KS
Kaba #8
 Job Ticket: 69002 **DST#: 3**
 Test Start: 2022.07.26 @ 11:11:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 12:38:30 Tester: Dustin Day
 Time Test Ended: 22:59:45 Unit No: 70
 Interval: **3455.00 ft (KB) To 3495.00 ft (KB) (TVD)** Reference Elevations: 2075.00 ft (KB)
 Total Depth: 3495.00 ft (KB) (TVD) 2067.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

Serial #: 8652 Outside
 Press@RunDepth: 1025.94 psig @ 3456.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.07.26 End Date: 2022.07.26 Last Calib.: 1899.12.30
 Start Time: 11:11:05 End Time: 22:59:45 Time On Btm: 2022.07.26 @ 12:37:00
 Time Off Btm: 2022.07.26 @ 15:27:15

TEST COMMENT: IF-15- BOB in 40 sec, Built to 266"
 SI1-45- No return
 FF-45- BOB in 1 min, Built to 258" in 29 min, opened choke 1/8" ended @ 188"
 SI2-60- No return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1722.18	93.56	Initial Hydro-static
2	524.66	93.02	Open To Flow (1)
16	791.29	105.28	Shut-In(1)
61	1037.83	104.81	End Shut-In(1)
62	753.25	103.64	Open To Flow (2)
106	1025.94	104.54	Shut-In(2)
170	1037.45	103.57	End Shut-In(2)
171	1626.10	103.28	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
1778.00	MCWGO 10% mud 20%gas 45%oil 25%w	24.66
254.00	WMCGO 35%gas 30%oil 15%w ater 20%	3.56
127.00	MWCGO 25%gas 40%oil 25%w ater 10%	1.78
206.00	GWMCO 5%gas 60%oil 10% w ater 25%	2.89

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp
1799 N. Waterfront PKWY Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

14_9_19 Rooks, KS
Kaba #8
Job Ticket: 69002 **DST#: 3**
Test Start: 2022.07.26 @ 11:11:00

Mud and Cushion Information

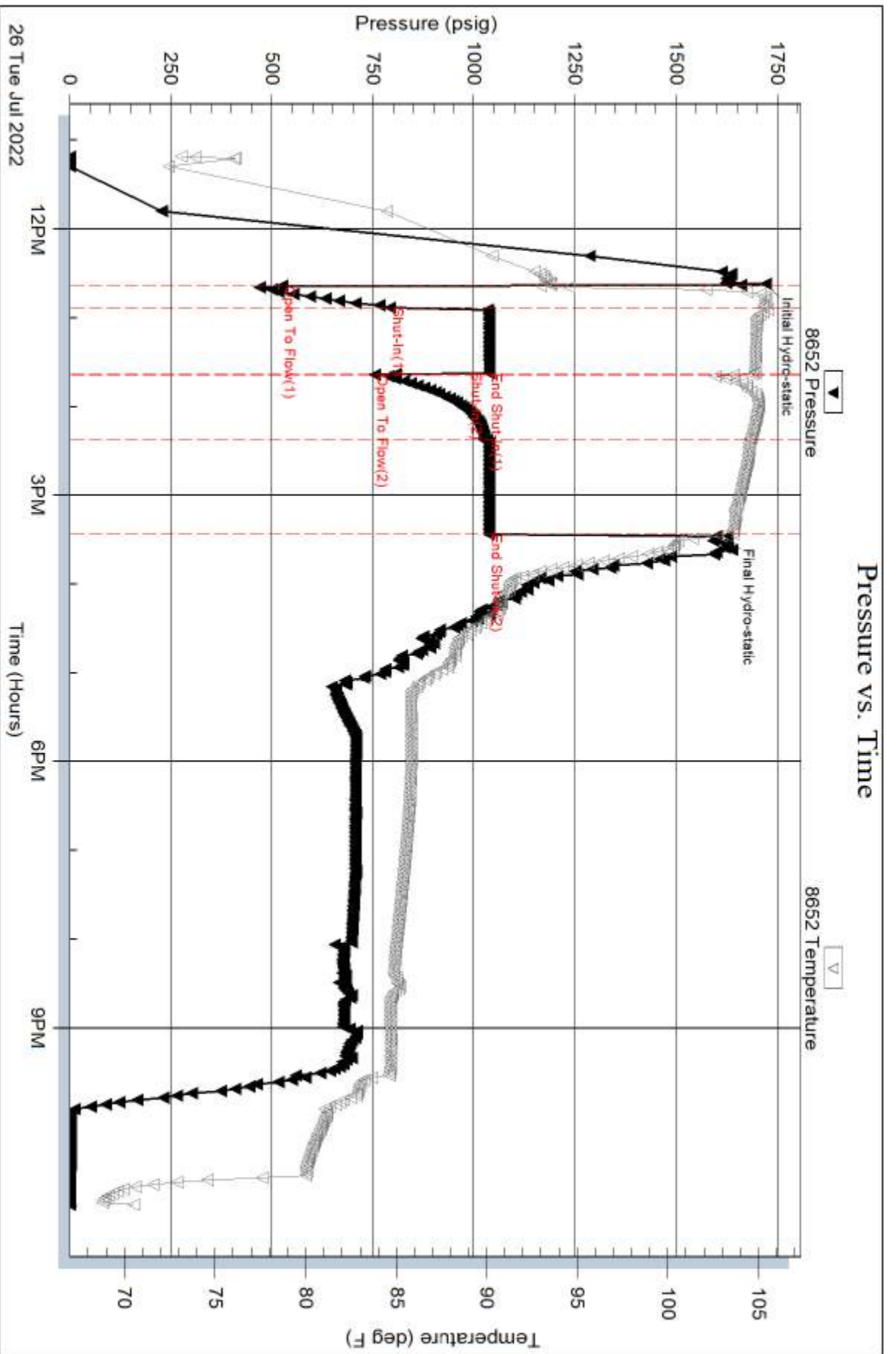
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	8000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3900.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1778.00	MCWGO 10% mud 20%gas 45%oil 25%w ater	24.658
254.00	WMCGO 35%gas 30%oil 15%w ater 20%mud	3.563
127.00	MWCGO 25%gas 40%oil 25%w ater 10%mud	1.781
206.00	GWMCO 5%gas 60%oil 10% w ater 25%mud	2.890

Total Length: 2365.00 ft Total Volume: 32.892 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 15# LCM Spotted a pill before TOH F/ DST W/ 4# LCM



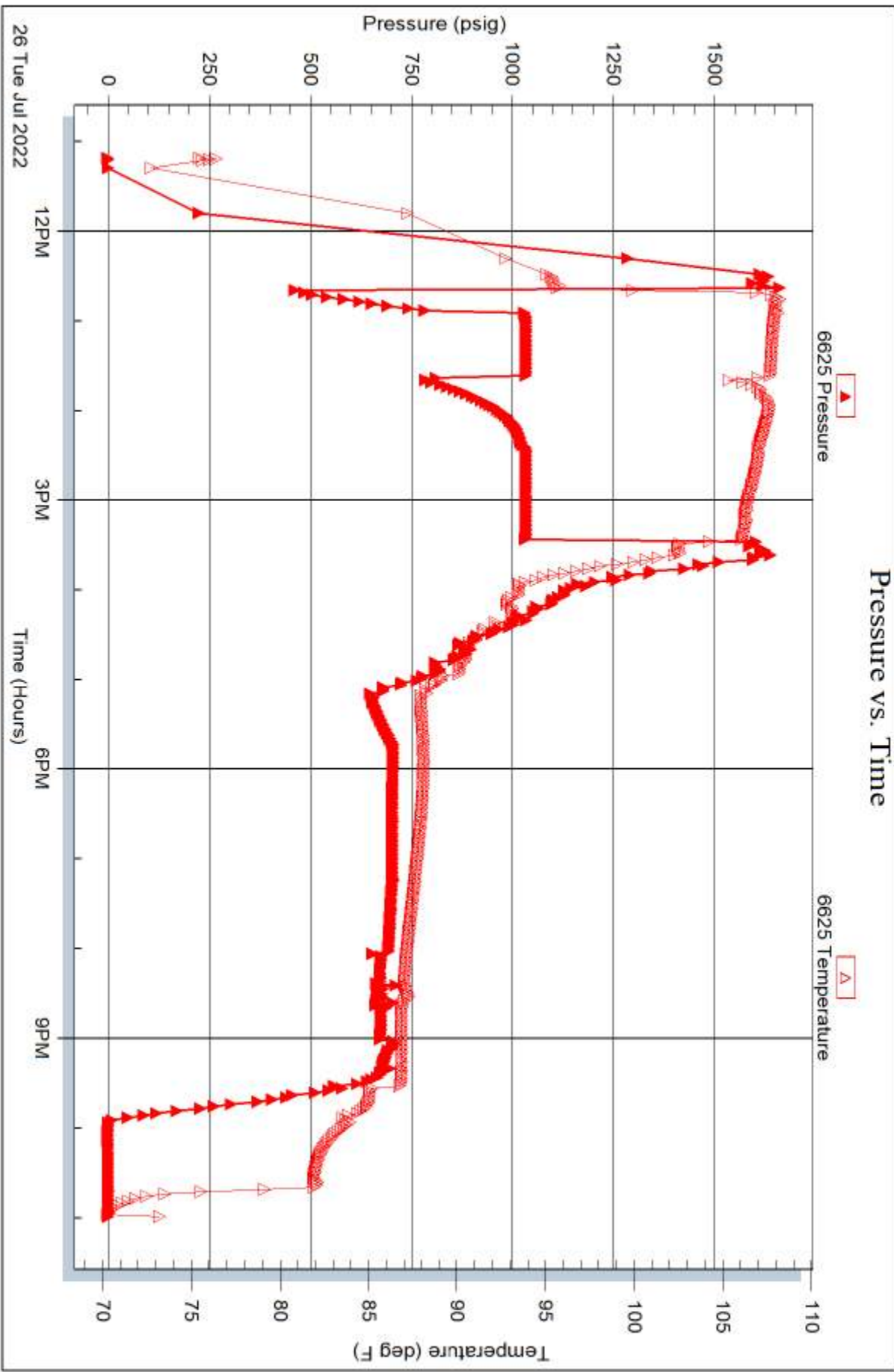
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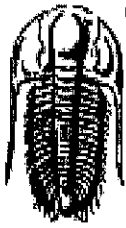
Inside

Vess Oil Corp

Kaba #8

DST Test Number: 3





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Vess Oil Corp
 1799 N. Waterfront PKWY Bldg 500
 Wichita, KS 67206
 ATTN: Roger Martin

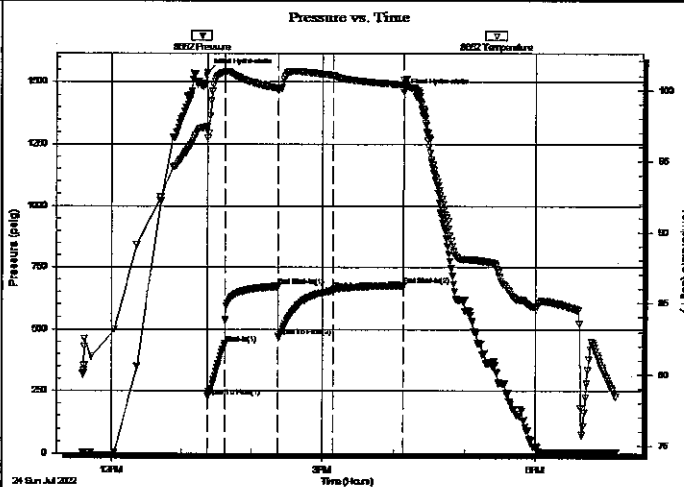
14_9_19 Rooks, KS
Koba #8
 Job Ticket: 96125 **DST#: 1**
 Test Start: 2022.07.24 @ 11:35:00

GENERAL INFORMATION:

Formation: **Oread-LKC F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:22:30
 Time Test Ended: 19:09:15
 Interval: **3127.00 ft (KB) To 3325.00 ft (KB) (TVD)**
 Total Depth: 3325.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 2075.00 ft (KB)
 2067.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8652 Outside
 Press@RunDepth: 659.71 psig @ 3128.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.07.24 End Date: 2022.07.24 Last Calib.: 2022.07.24
 Start Time: 11:35:05 End Time: 19:09:14 Time On Btm: 2022.07.24 @ 13:22:15
 Time Off Btm: 2022.07.24 @ 16:08:30

TEST COMMENT: IF-15- BOB in 1 min, Built to 130"
 SI1-45- No return
 FF-45- BOB in 2 min, Built to 90 1/2"
 SI2-60- No return



PRESSURE SUMMARY

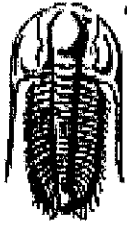
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1540.75	97.42	Initial Hydro-static
1	229.78	96.65	Open To Flow (1)
15	440.97	101.25	Shut-In(1)
61	672.87	100.13	End Shut-In(1)
61	470.83	99.99	Open To Flow (2)
107	659.71	101.02	Shut-In(2)
166	676.63	100.37	End Shut-In(2)
167	1460.40	100.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
826.00	Water 100%	11.30
581.00	MCW 30% mud 70% w ater	8.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp

14_9_19 Rooks, KS

1799 N. Waterfront PKWY Bldg 500
Wichita, KS 67206

Koba #8

Job Ticket: 96125

DST#: 1

ATTN: Roger Martin

Test Start: 2022.07.24 @ 11:35:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	96000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 850.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
826.00	Water 100%	11.304
581.00	MCW 30% mud 70% water	8.150

Total Length: 1407.00 ft Total Volume: 19.454 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3# LCM

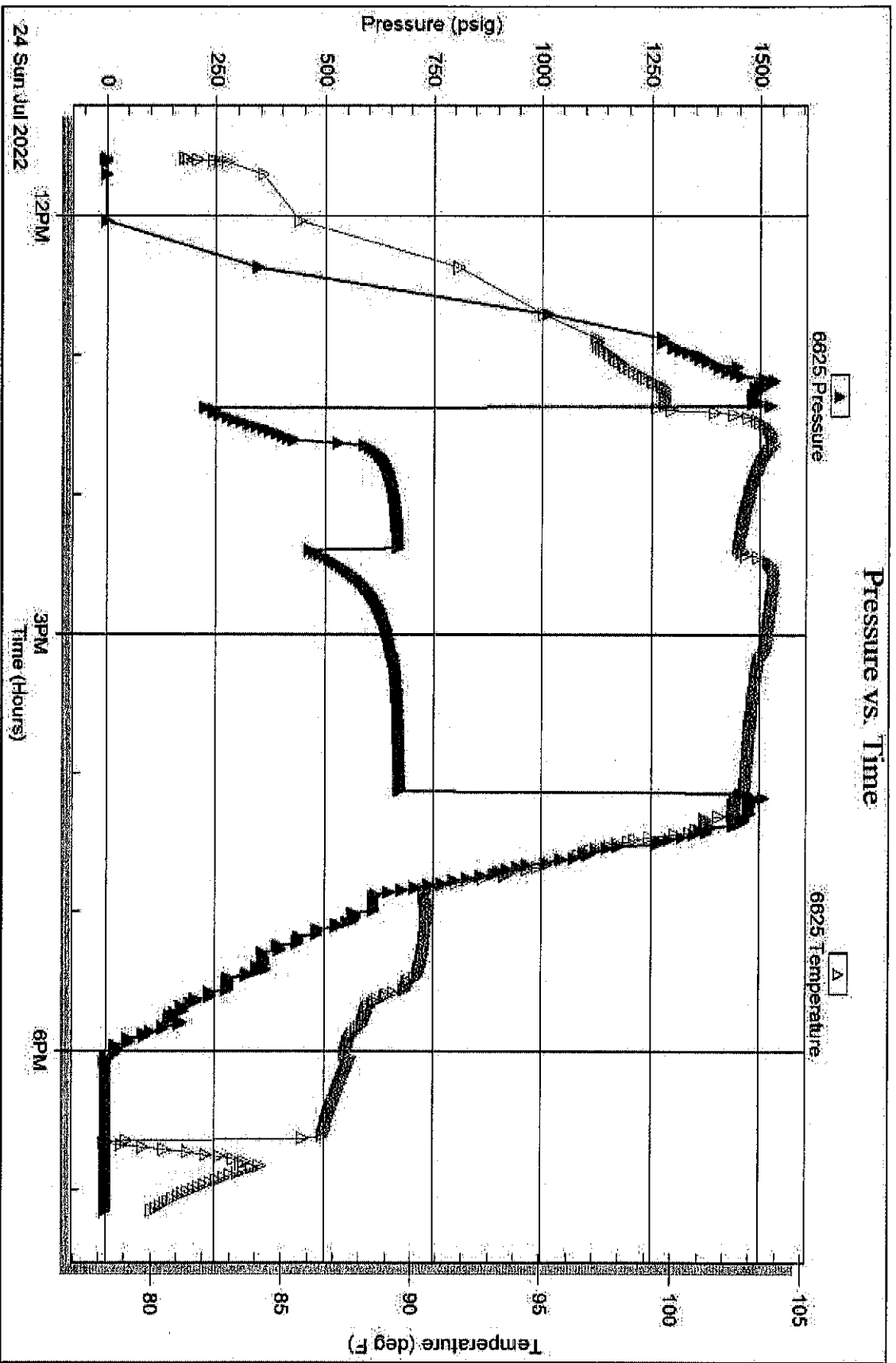
Serial #: 6625

Inside

Vess. Of Corp

Koba #9

DST Test Number: 1



Tiddle Testing, Inc

Ref. No: 96125

Printed: 2022.07.24 @ 16:59:27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corp
 1799 N. Waterfront PKWY Bldg 500
 Wichita, KS 67206
 ATTN: Roger Martin

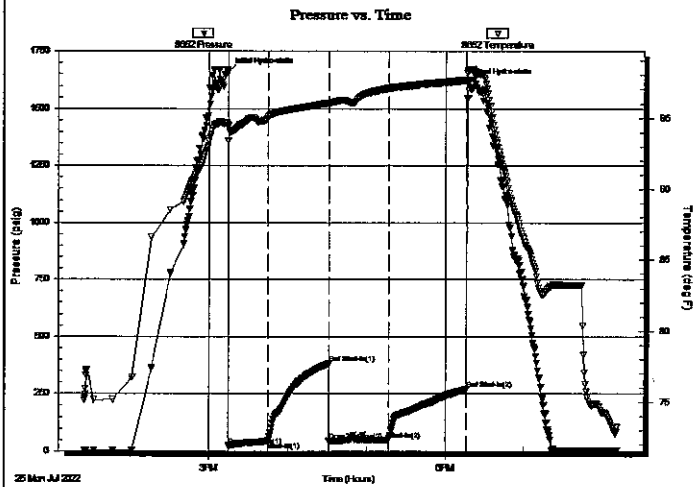
14_9_19 Rooks, KS
Koba #8
 Job Ticket: 69001 **DST#: 2**
 Test Start: 2022.07.25 @ 13:23:00

GENERAL INFORMATION:

Formation: **LKC H-K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:15:00
 Time Test Ended: 20:12:00
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Dustin Day
 Unit No: 70
 Interval: **3361.00 ft (KB) To 3455.00 ft (KB) (TVD)**
 Total Depth: 3455.00 ft (KB) (TVD)
 Reference Elevations: 2075.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft
 2067.00 ft (CF)

Serial #: 8652 Outside
 Press@RunDepth: 49.40 psig @ 3362.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.07.25 End Date: 2022.07.25 Last Calib.: 1899.12.30
 Start Time: 13:23:05 End Time: 20:11:59 Time On Btm: 2022.07.25 @ 15:14:45
 Time Off Btm: 2022.07.25 @ 18:17:15

TEST COMMENT: IF-30- Built to 2 1/2"
 SI1-45- No return
 FF-45- Built to 2 1/4"
 SI2-60- No return

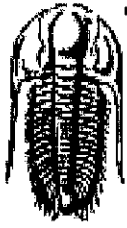


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1659.75	94.47	Initial Hydro-static
1	25.06	93.38	Open To Flow (1)
31	41.62	94.98	Shut-In(1)
77	382.10	96.04	End Shut-In(1)
77	43.21	95.91	Open To Flow (2)
122	49.40	97.08	Shut-In(2)
182	270.67	97.65	End Shut-In(2)
183	1614.11	98.28	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	OSWCM 10%w ater 90% mud	0.56

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 Corp
1799 N. Waterfront PKWY Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

14_9_19 Rooks, KS
Koba #8
Job Ticket: 69001 **DST#: 2**
Test Start: 2022.07.25 @ 13:23:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	96000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OSWCM 10%w ater 90%mud	0.559

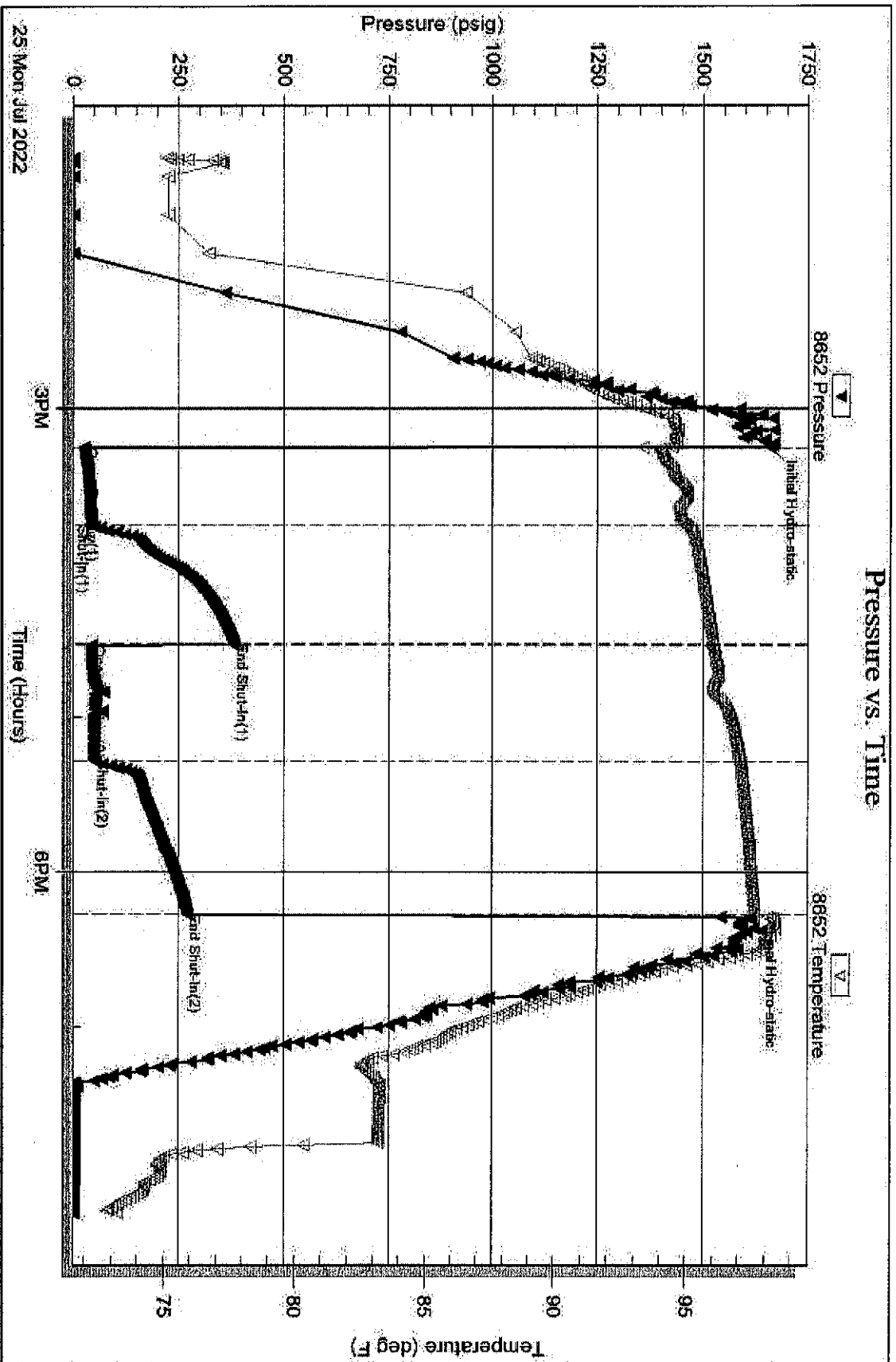
Total Length: 60.00 ft Total Volume: 0.559 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 8# LCM

Serial #: 8652

Outside Vess. Oil Corp

Koba #6

DST Test Number: 2



25 Mon Jul 2022

Tribble Testing, Inc

Ref. No: 69001

Printed: 2022.07.25 @ 22:29:22

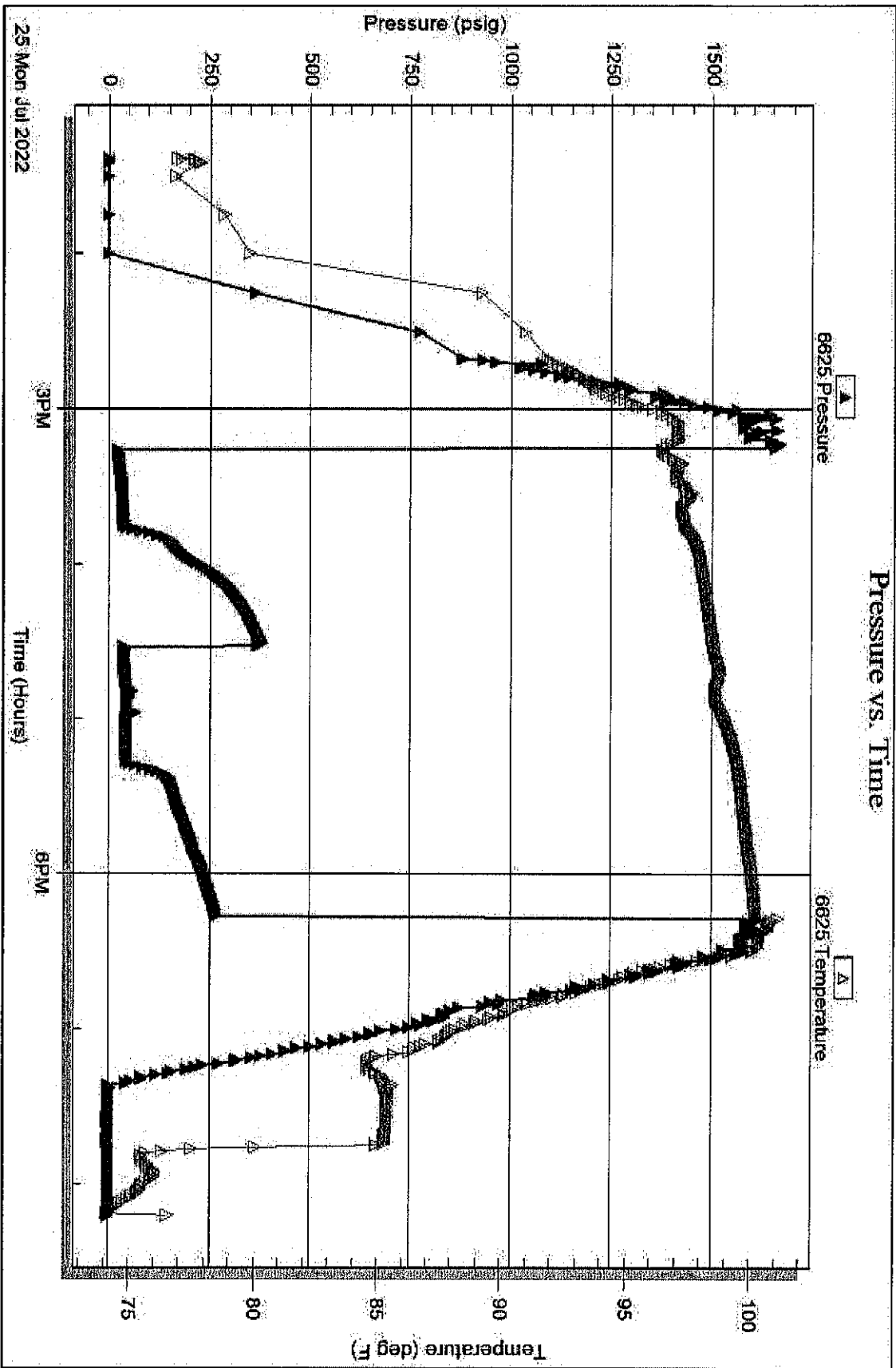
Serial #: 6625

Inside

Vess. Of Corp

Koba #8

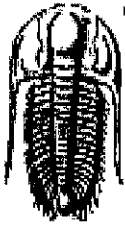
DST Test Number 2



Thistle Testing, Inc

Ref. No. 69001

Printed: 2022.07.25 @ 22:29:22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vess Oil Corp
1799 N. Waterfront PKWY Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

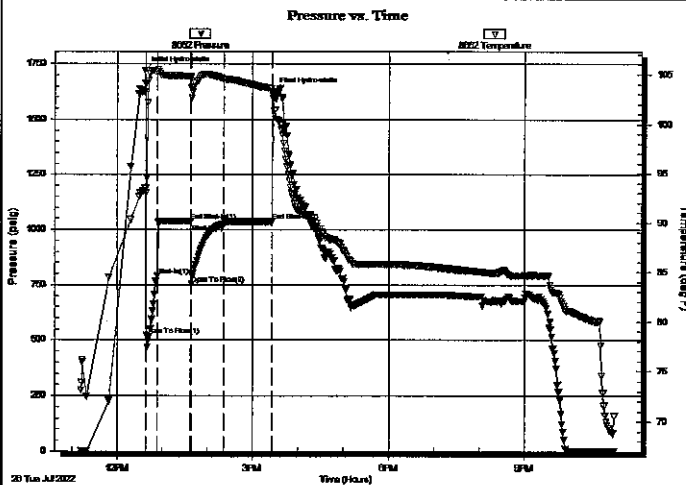
14_9_19 Rooks, KS
Kaba #8
Job Ticket: 69002 **DST#: 3**
Test Start: 2022.07.26 @ 11:11:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:38:30
Time Test Ended: 22:59:45
Interval: **3455.00 ft (KB) To 3495.00 ft (KB) (TVD)**
Total Depth: 3495.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Bottom Hole (Reset)
Tester: Dustin Day
Unit No: 70
Reference Elevations: 2075.00 ft (KB)
2067.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8652 Outside
Press@RunDepth: 1025.94 psig @ 3456.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.07.26 End Date: 2022.07.26 Last Calib.: 1899.12.30
Start Time: 11:11:05 End Time: 22:59:45 Time On Btm: 2022.07.26 @ 12:37:00
Time Off Btm: 2022.07.26 @ 15:27:15

TEST COMMENT: IF-15- BOB in 40 sec, Built to 266"
SH-45- No return
FF-45- BOB in 1 min, Built to 258" in 29 min, opened choke 1/8" ended @ 188"
SI2-60- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1722.18	93.56	Initial Hydro-static
2	524.66	93.02	Open To Flow (1)
16	791.29	105.28	Shut-In(1)
61	1037.83	104.81	End Shut-In(1)
62	753.25	103.64	Open To Flow (2)
106	1025.94	104.54	Shut-In(2)
170	1037.45	103.57	End Shut-In(2)
171	1626.10	103.28	Final Hydro-static

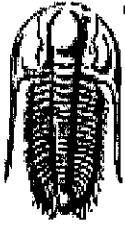
Recovery

Length (ft)	Description	Volume (bbl)
1778.00	MCWGO 10% mud 20%gas 45%oil 25%w	24.66
254.00	WMCGO 35%gas 30%oil 15%water 20%	3.56
127.00	MWCGO 25%gas 40%oil 25%water 10%	1.78
206.00	GWCMCO 5%gas 60%oil 10% water 25%	2.89

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp
1799 N. Waterfront PKWY Bldg 500
Wichita, KS 67206

ATTN: Roger Martin

14_9_19 Rooks, KS
Kaba #8
Job Ticket: 69002 **DST#: 3**
Test Start: 2022.07.26 @ 11:11:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	8000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3900.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1778.00	MCWGO 10% mud 20%gas 45%oil 25%water	24.658
254.00	VMCGO 35%gas 30%oil 15%water 20%mud	3.563
127.00	MWCGO 25%gas 40%oil 25%water 10%mud	1.781
206.00	GWMO 5%gas 60%oil 10% water 25%mud	2.890

Total Length: 2365.00 ft Total Volume: 32.892 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 15# LCM Spotted a pill before TOH F/ DST W/ 4# LCM

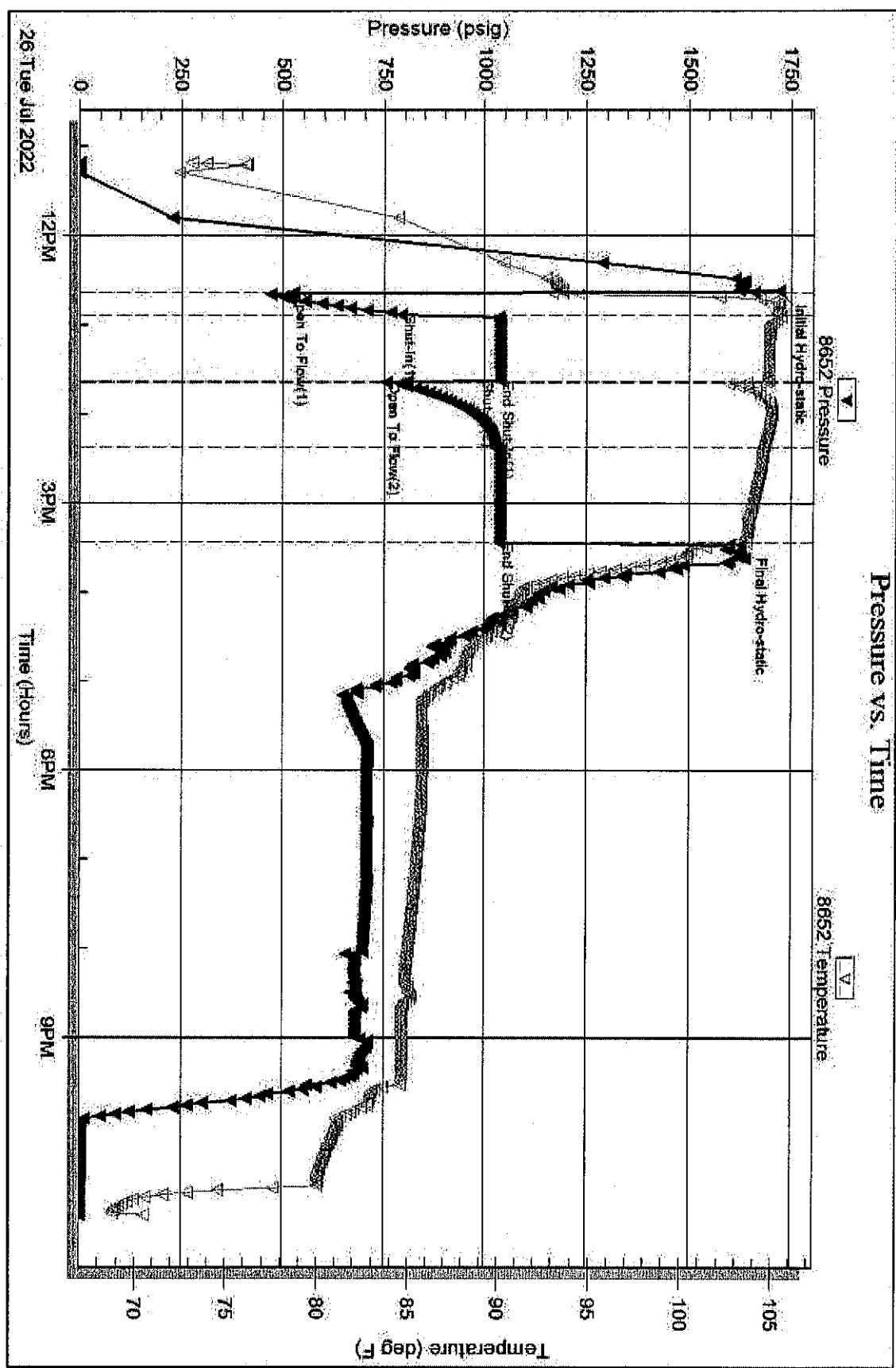
Serial #: 8652

Outside Vess Oil Corp

Keloid #9

DST Test Number: 3

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 69002

Printed: 2022.07.27 @ 06:41:44

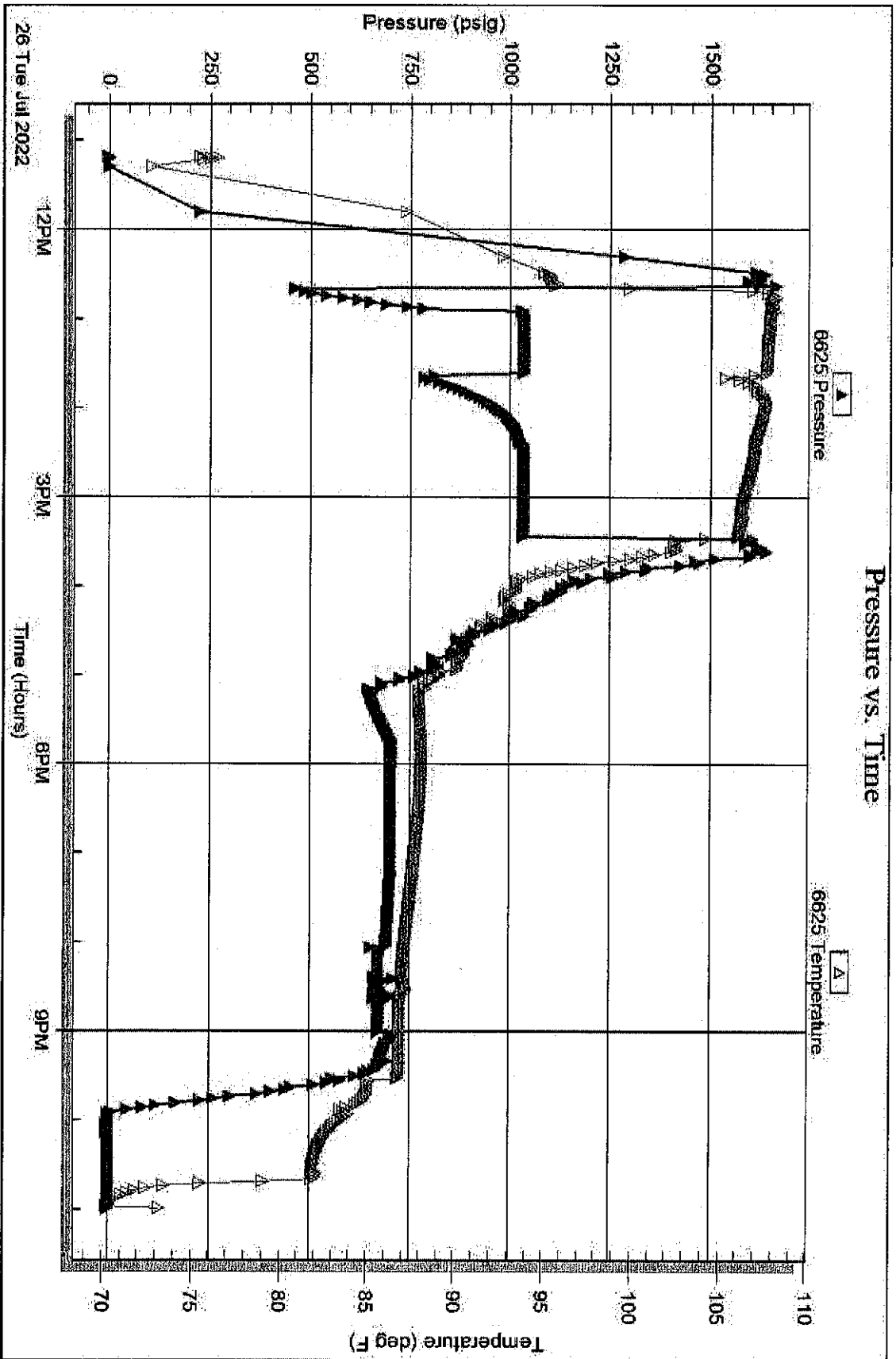
Serial #: 6625

Inside

Vess. Of Corp.

Kaba #8

DST Test Number: 3



Thicke Testing, Inc

Ref. No. 69902

Printed: 2022.07.27 @ 06:41:45



Customer	Vess Oil Co	Lease & Well #	Kaba # 8	Date	7/20/2022
Service District	Oakley KS	County & State	Rooks	Legals S/T/R	14-9S-19W
Job Type	Surface	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Job #
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
78	Jesse	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
528-520	Spencer	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
194-253	Michael	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input checked="" type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	
Comments					

Product/Service Code	Description	Unit of Measure	Quantity	Net Amount
CP010	Class A Cement	sack	200.00	\$3,648.00
M015	Light Equipment Mileage	mi	100.00	\$200.00
M010	Heavy Equipment Mileage	mi	200.00	\$800.00
M020	Ton Mileage	tm	940.00	\$1,410.00
C060	Cement Blending & Mixing Service	sack	200.00	\$268.80
D010	Depth Charge: 0'-500'	job	1.00	\$960.00
R061	Service Supervisor	day	1.00	\$264.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Net:	\$7,550.80
Based on this job, how likely is it you would recommend HSI to a colleague?		Total Taxable	\$ -
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Tax Rate:	
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely		Sale Tax:	\$ -
		Total:	\$ 7,550.80
HSI Representative: <i>Jesse Jones</i>			

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X _____ **CUSTOMER AUTHORIZATION SIGNATURE**



CEMENT TREATMENT REPORT

Customer:	Vess Oil Co	Well:	Kaba #8	Ticket:	WP 3136
City, State:	Zurich KS	County:	Rooks KS	Date:	7/27/2022
Field Rep:	Roger Martin	S-T-R:	14-9S-19W	Services:	2 Stage

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	3491 ft
Casing Size:	5 1/2 in
Casing Depth:	3495 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	1470 ft
Displacement:	82.1 bbls

Calculated Slurry - Lead	
Blend:	H-LD
Weight:	14.8 ppg
Water / Sx:	6.5 gal / sx
Yield:	1.51 ft ³ / sx
Annular Bbls / Ft.:	0.0309 bbs / ft.
Depth:	3495 ft
Annular Volume:	108.0 bbls
Excess:	
Total Slurry:	34.9 bbls
Total Sacks:	130 sx

Calculated Slurry - Tail	
Blend:	H-Con
Weight:	12 ppg
Water / Sx:	15.5 gal / sx
Yield:	2.56 ft ³ / sx
Annular Bbls / Ft.:	0.0309 bbs / ft.
Depth:	1470 ft
Annular Volume:	45.423 bbls
Excess:	
Total Slurry:	118.5 bbls
Total Sacks:	260 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
10:48 AM			-	-	Arrived on location
10:58 AM				-	Safety meeting
11:08 AM				-	Rigged up
2:55 PM				-	Set DV tool at 1470'
3:30 PM				-	Casing on bottom
3:45 PM				-	Circulated mud
4:01 PM		1,350.0		-	Pushed ball through and set packer shoe @ 1350 psi
5:34 PM	3.5	200.0	5.0	5.0	Water ahead
5:36 PM	3.7	225.0	12.0	17.0	Pump mud flush
5:40 PM	3.7	350.0	10.0	27.0	Water behind
5:45 PM	5.6	350.0	34.9	61.9	Mixed 130 sacks H-LD cement @ 14.8 ppg mud scale verified
5:58 PM					Shut down, loaded plug, cleared pump and lines
6:09 PM	6.1	250.0	50.0		Begin water displacement
6:18 PM	6.1	350.0	32.1		Begin mud displacement
6:25 PM		750.0			Plug down with 750 landing psi and 1250 bump psi
6:27 PM					Released pressure plug held with 1/2 bbl back to tank
6:36 PM					Dropped bomb
6:59 PM	2.1	1,000.0	0.3		Opened DV tool with 1/4 bbl mud @ 1000 psi
7:11 PM					Circulated mud 2 hours
9:09 PM	2.5	100.0	13.6		Mixed 30 sacks H-Con cement @ 12.0 ppg for rat hole plug
9:16 PM	2.5	100.0	9.1		Mixed 20 sacks H-Con cement @ 12.0 ppg for mouse hole plug
9:22 PM	4.5	275.0	95.7		Mixed 210 sacks H-Con cement @ 12.0 ppg down hole mud scale verified
9:53 PM					Shut down, loaded plug, cleared pump and lines
10:02 PM	6.0	250.0	34.9		Begin displacement
10:12 PM		475.0			Plug down @ 475 landing psi and 1150 bump psi with 5 bbls cement circulated to pit
10:14 PM					Released pressure plug held with 1/4 bbl back to tank
10:16 PM					Washed up and Rigged down

CREW		UNIT	SUMMARY		
Cementer:	John	64	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jose V	208	4.2 bpm	430 psi	298 bbls
Bulk #1:	Kale	527-235			
Bulk #2:					