

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 Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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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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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	UNRUH 1-21
Doc ID	1572374

Tops

Name	Top	Datum
Base Anhydrite	2454	+632
Heebner	3983	-897
Lansing	4025	-939
Muncie Creek	4204	-1118
Stark Shale	4293	-1207
Hushpuckney	4337	-1251
Marmaton	4435	-1349
Pawnee	4514	-1428
L. Cherokee Shale	4595	-1509
Johnson	4638	-1552
Mississippian	4759	-1673



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co

21-16s-33w Scott, Ks

202 W Main St.
Salem, IL 62881

Unruh 1-21

Job Ticket: 66830

DST#: 1

ATTN: Vern Schrag

Test Start: 2021.04.10 @ 13:02:12

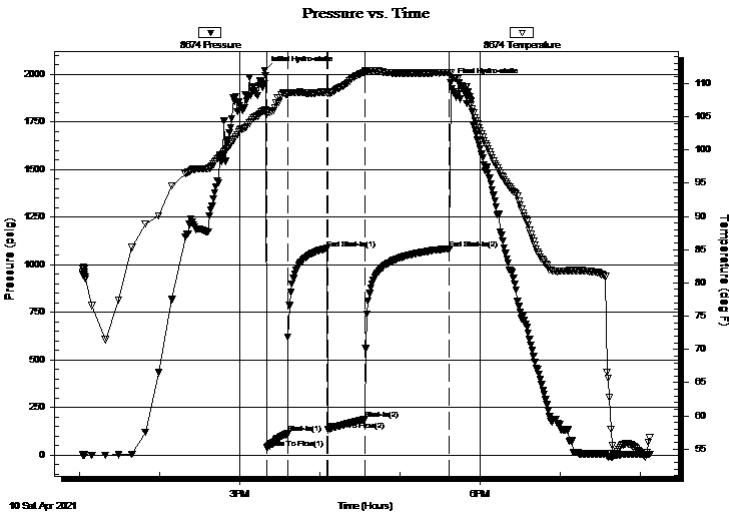
GENERAL INFORMATION:

Formation: **Lan**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:20:12
 Time Test Ended: 20:07:42
 Interval: **3964.00 ft (KB) To 4031.00 ft (KB) (TVD)**
 Total Depth: 4031.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 3086.00 ft (KB)
 3077.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8674 Outside
 Press@RunDepth: 187.89 psig @ 3965.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.04.10 End Date: 2021.04.10 Last Calib.: 2021.04.10
 Start Time: 13:02:17 End Time: 20:07:41 Time On Btm: 2021.04.10 @ 15:18:42
 Time Off Btm: 2021.04.10 @ 17:38:12

TEST COMMENT: IF: 1/4 blow built to 8 1/2.
 IS: No return.
 FF: 1/4 blow built to 13.
 FS: No return. 15-30-30-60

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2021.59	105.98	Initial Hydro-static
2	36.85	105.28	Open To Flow (1)
17	111.51	108.41	Shut-In(1)
47	1085.42	108.64	End Shut-In(1)
48	131.54	108.46	Open To Flow (2)
75	187.89	111.70	Shut-In(2)
139	1084.96	111.60	End Shut-In(2)
140	1957.52	111.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
189.00	mcw 70%w 30%m	1.02
189.00	mud 100%m	2.65

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co

21-16s-33w Scott, Ks

202 W Main St.
Salem, IL 62881

Unruh 1-21

Job Ticket: 66830

DST#: 1

ATTN: Vern Schrag

Test Start: 2021.04.10 @ 13:02:12

GENERAL INFORMATION:

Formation: **Lan**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:20:12

Time Test Ended: 20:07:42

Interval: **3964.00 ft (KB) To 4031.00 ft (KB) (TVD)**

Total Depth: 4031.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Reference Elevations: 3086.00 ft (KB)

3077.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8790 Inside

Press@RunDepth: psig @ 3965.00 ft (KB)

Start Date: 2021.04.10

End Date: 2021.04.10

Start Time: 13:02:19

End Time: 20:07:43

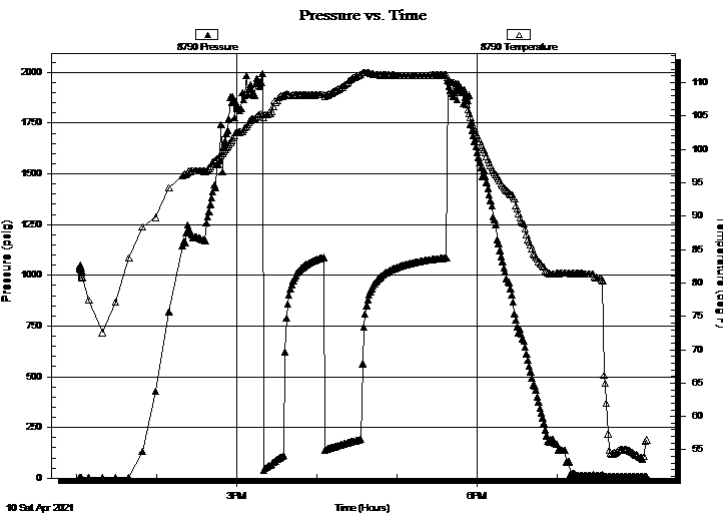
Capacity: 8000.00 psig

Last Calib.: 2021.04.10

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1/4 blow built to 8 1/2.
IS: No return.
FF: 1/4 blow built to 13.
FS: No return. 15-30-30-60



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
189.00	mcw 70%w 30%m	1.02
189.00	mud 100%m	2.65

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

21-16s-33w Scott, Ks

202 W Main St.
Salem, IL 62881

Unruh 1-21

Job Ticket: 66830

DST#: 1

ATTN: Vern Schrag

Test Start: 2021.04.10 @ 13:02:12

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

22000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
189.00	mcw 70%w 30%m	1.021
189.00	mud 100%m	2.651

Total Length: 378.00 ft Total Volume: 3.672 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

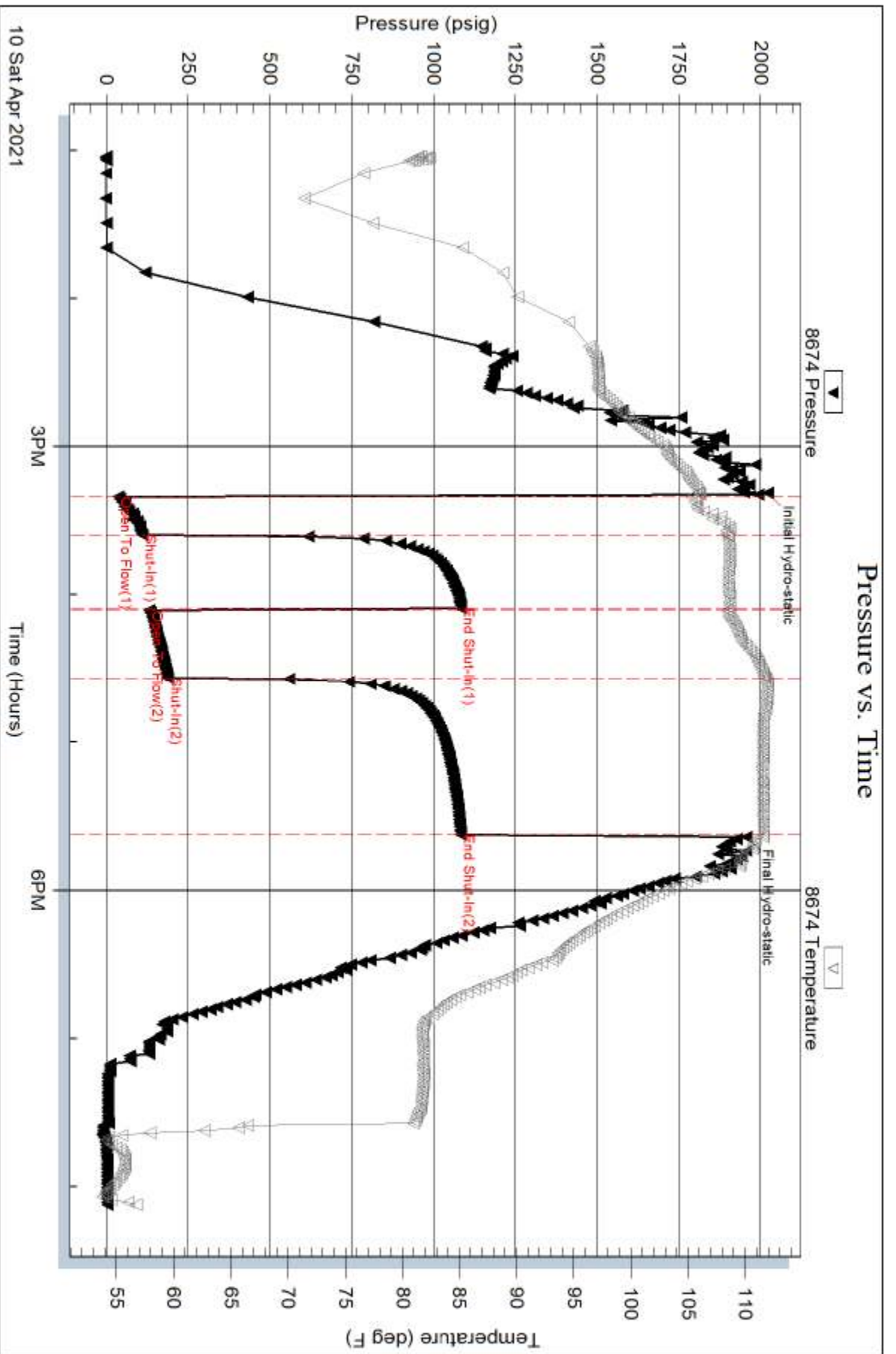
Recovery Comments: .36@60=22000

Serial #: 8674

Outside Shakespeare Oil Co

Unruh 1-21

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 66830

Printed: 2021.04.10 @ 21:11:42

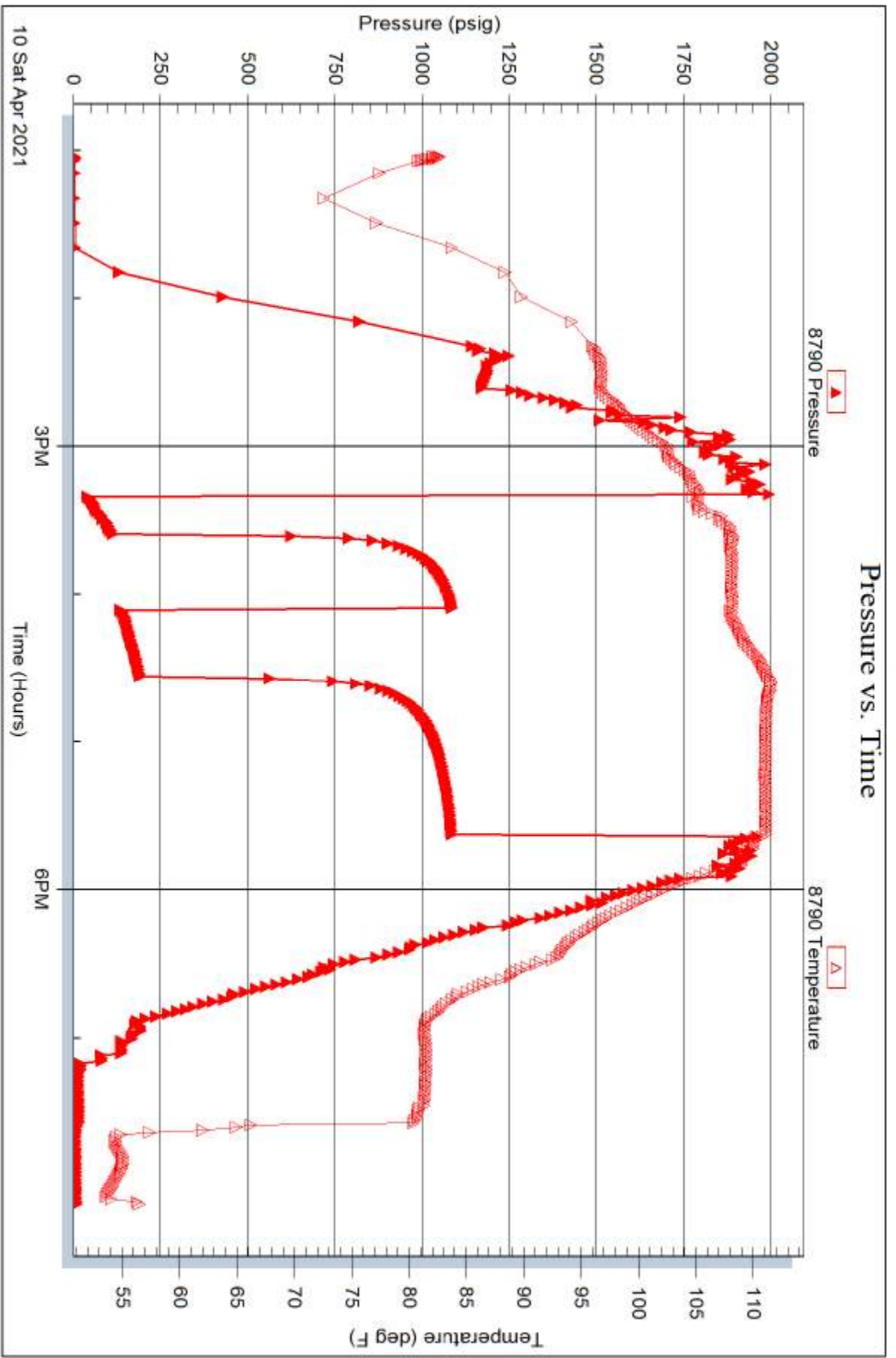
Serial #: 8790

Inside

Shakespeare Oil Co

Unruh 1-21

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 66830

Printed: 2021.04.10 @ 21:11:42



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co

21-16s-33w Scott, Ks

202 W Main St.
Salem, IL 62881

Unruh 1-21

Job Ticket: 66831

DST#: 2

ATTN: Vern Schrag

Test Start: 2021.04.11 @ 04:02:47

GENERAL INFORMATION:

Formation: **B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:24:17
 Time Test Ended: 10:13:17
 Interval: **4034.00 ft (KB) To 4062.00 ft (KB) (TVD)**
 Total Depth: 4062.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 3086.00 ft (KB)
 3077.00 ft (CF)
 KB to GR/CF: 9.00 ft

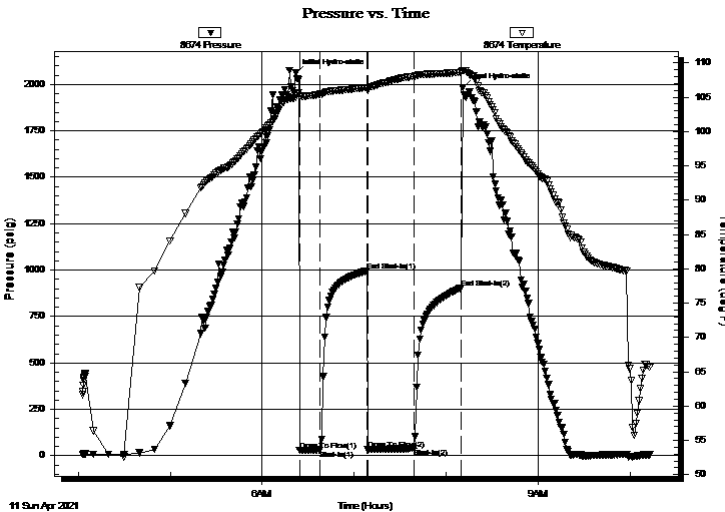
Serial #: 8674

Outside

Press@RunDepth: 38.46 psig @ 4035.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.04.11 End Date: 2021.04.11 Last Calib.: 2021.04.11
 Start Time: 04:02:52 End Time: 10:13:16 Time On Btm: 2021.04.11 @ 06:21:47
 Time Off Btm: 2021.04.11 @ 08:10:47

TEST COMMENT: IF: Surface blow built to 1/4.
 IS: No return.
 FF: Surface blow.
 FS: No return. 15-30-30-30

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2061.35	104.97	Initial Hydro-static
3	29.23	105.15	Open To Flow (1)
16	30.67	105.44	Shut-In(1)
47	995.13	106.43	End Shut-In(1)
47	32.11	106.01	Open To Flow (2)
77	38.46	108.03	Shut-In(2)
108	903.58	108.65	End Shut-In(2)
109	1982.52	108.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100%m	0.07

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co

21-16s-33w Scott, Ks

202 W Main St.
Salem, IL 62881

Unruh 1-21

Job Ticket: 66831

DST#: 2

ATTN: Vern Schrag

Test Start: 2021.04.11 @ 04:02:47

GENERAL INFORMATION:

Formation: **B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:24:17
Time Test Ended: 10:13:17
Interval: **4034.00 ft (KB) To 4062.00 ft (KB) (TVD)**
Total Depth: 4062.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 3086.00 ft (KB)
3077.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8790

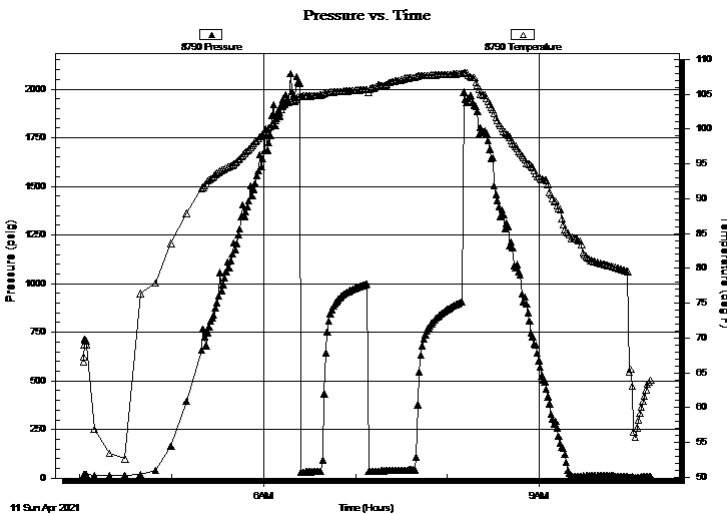
Inside

Press@RunDepth: psig @ 4035.00 ft (KB)
Start Date: 2021.04.11 End Date: 2021.04.11
Start Time: 04:02:37 End Time: 10:13:01

Capacity: 8000.00 psig
Last Calib.: 2021.04.11
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Surface blow built to 1/4.
IS: No return.
FF: Surface blow .
FS: No return. 15-30-30-30

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100%m	0.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

21-16s-33w Scott, Ks

202 W Main St.
Salem, IL 62881

Unruh 1-21

Job Ticket: 66831

DST#: 2

ATTN: Vern Schrag

Test Start: 2021.04.11 @ 04:02:47

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100%m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

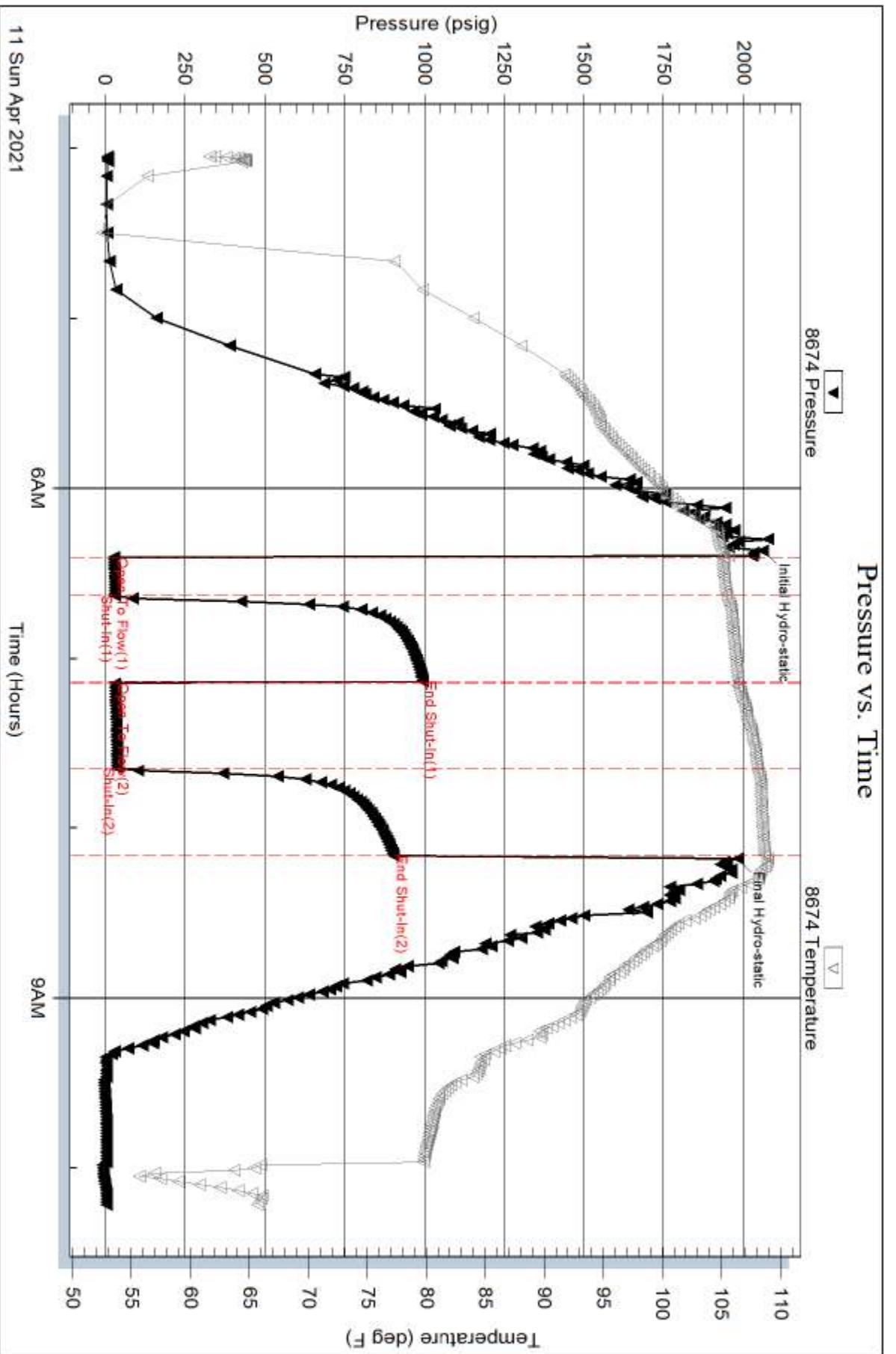
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



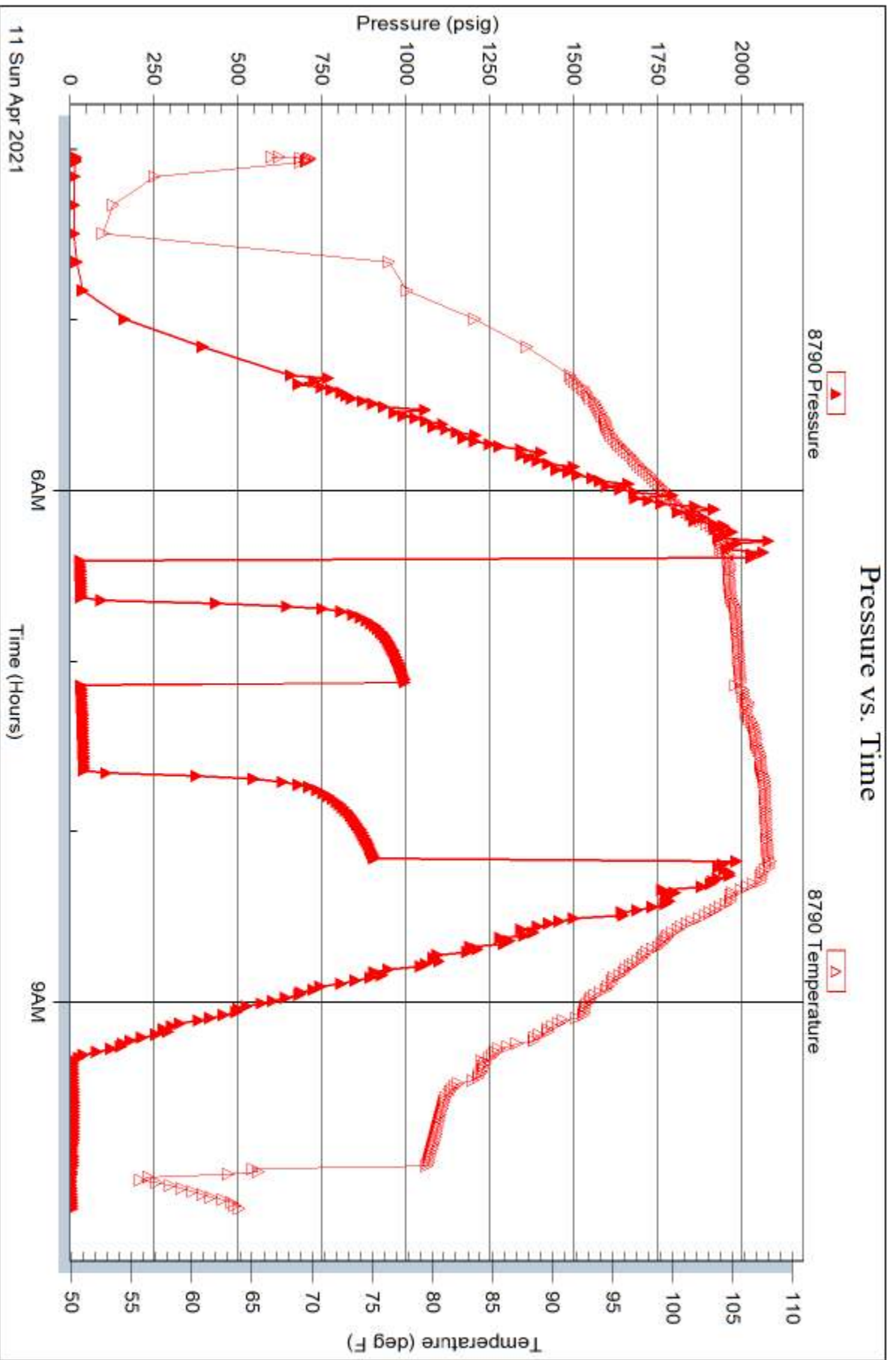
Serial #: 8790

Inside

Shakespeare Oil Co

Unruh 1-21

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 66831

Printed: 2021.04.11 @ 11:41:43



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co

21-16s-33w Scott, Ks

202 W Main St.
Salem, IL 62881

Unruh 1-21

Job Ticket: 66832

DST#: 3

ATTN: Vern Schrag

Test Start: 2021.04.12 @ 16:05:02

GENERAL INFORMATION:

Formation: **L**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 18:11:02
 Tester: Brandon Turley
 Time Test Ended: 22:06:32
 Unit No: 79
 Interval: **4329.00 ft (KB) To 4350.00 ft (KB) (TVD)**
 Reference Elevations: 3086.00 ft (KB)
 Total Depth: 4350.00 ft (KB) (TVD)
 3077.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 9.00 ft

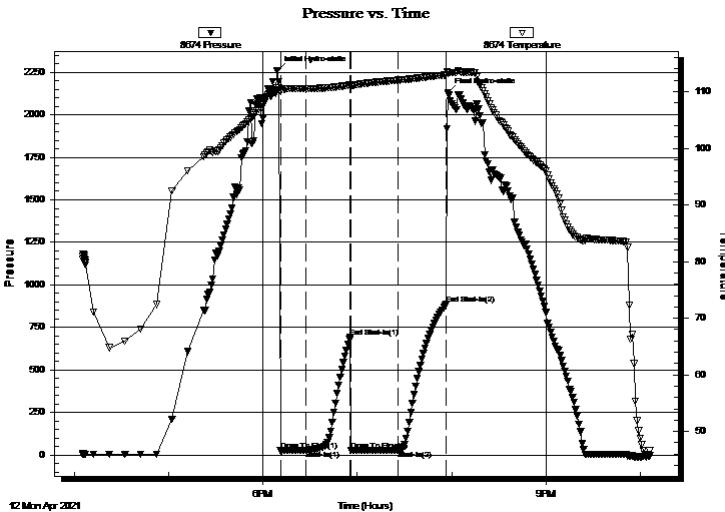
Serial #: 8674

Outside

Press@RunDepth: 25.87 psig @ 4330.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.04.12 End Date: 2021.04.12 Last Calib.: 2021.04.12
 Start Time: 16:05:07 End Time: 22:06:31 Time On Btm: 2021.04.12 @ 18:09:02
 Time Off Btm: 2021.04.12 @ 19:57:32

TEST COMMENT: IF: Surface blow built to 1/4.
 IS: No return.
 FF: No blow.
 FS: No return. 15-30-30-30

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2260.96	110.60	Initial Hydro-static
2	24.82	109.94	Open To Flow (1)
18	26.21	110.56	Shut-In(1)
47	692.22	111.15	End Shut-In(1)
47	25.70	110.92	Open To Flow (2)
77	25.87	112.03	Shut-In(2)
108	885.13	112.96	End Shut-In(2)
109	2129.19	113.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

21-16s-33w Scott, Ks

202 W Main St.
Salem, IL 62881

Unruh 1-21

Job Ticket: 66832

DST#: 3

ATTN: Vern Schrag

Test Start: 2021.04.12 @ 16:05:02

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

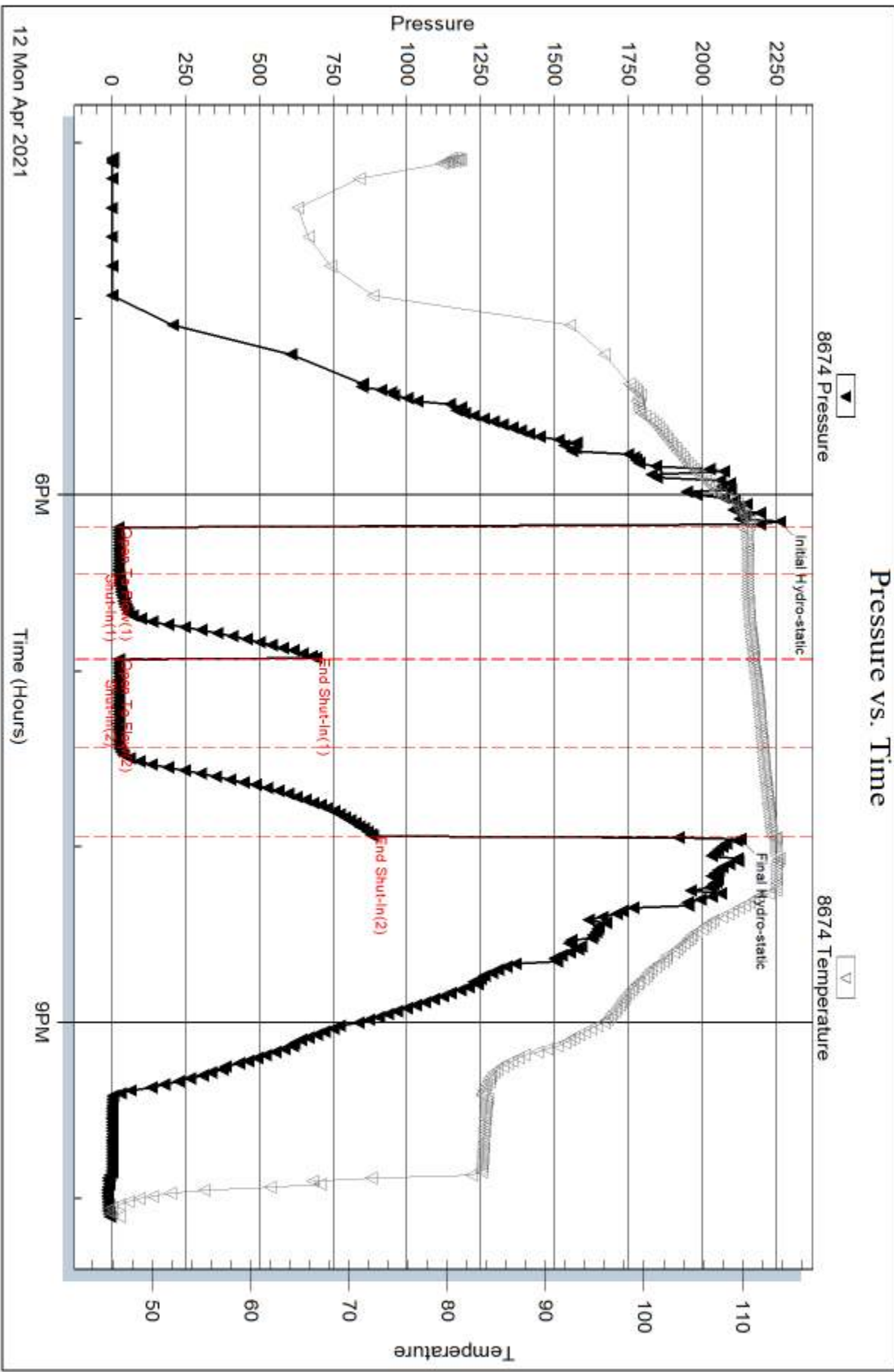
Recovery Comments:

Serial #: 8674

Outside Shakespeare Oil Co

Unruh 1-21

DST Test Number: 3



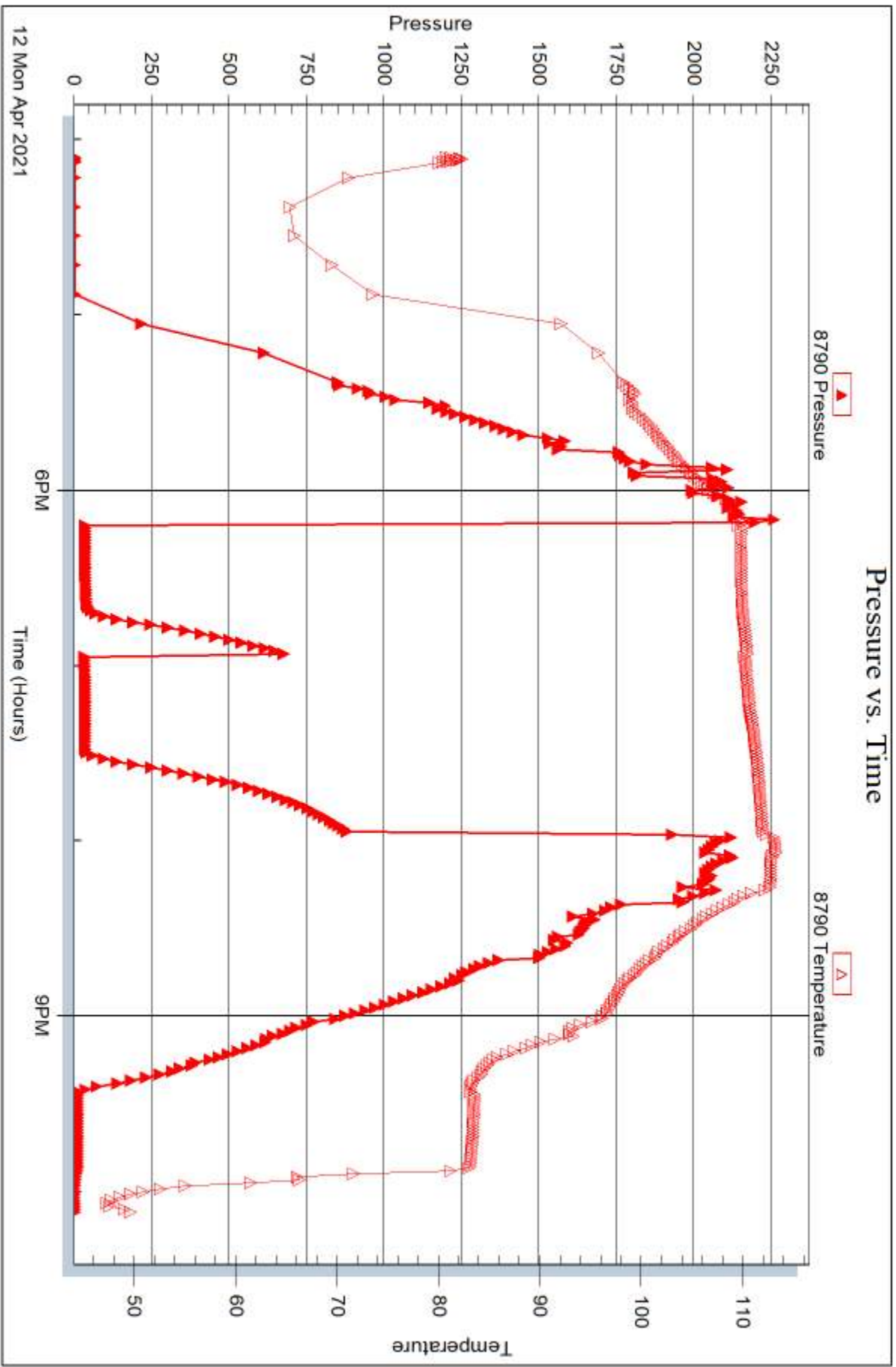
Serial #: 8790

Inside

Shakespeare Oil Co

Unruh 1-21

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 66832

Printed: 2021.04.12 @ 22:19:54



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co

21-16s-33w Scott, Ks

202 W Main St.
Salem, IL 62881

Unruh 1-21

Job Ticket: 66833

DST#: 4

ATTN: Vern Schrag

Test Start: 2021.04.13 @ 06:15:58

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:12:28

Time Test Ended: 12:20:28

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4364.00 ft (KB) To 4383.00 ft (KB) (TVD)

Reference Elevations: 3086.00 ft (KB)

Total Depth: 4383.00 ft (KB) (TVD)

3077.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 8674 Outside

Press@RunDepth: 26.92 psig @ 4365.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.04.13

End Date:

2021.04.13

Last Calib.: 2021.04.13

Start Time: 06:16:03

End Time:

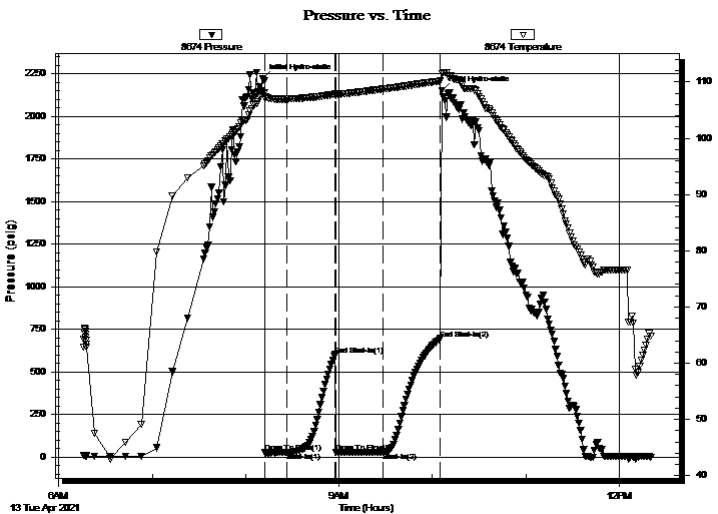
12:20:27

Time On Btm: 2021.04.13 @ 08:10:58

Time Off Btm: 2021.04.13 @ 10:05:58

TEST COMMENT: IF: 1/4 blow built to 3/4.
IS: No return.
FF: Surface blow.
FS: No return. 15-30-30-30

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2219.65	107.93	Initial Hydro-static
2	24.31	107.30	Open To Flow (1)
16	25.99	106.98	Shut-In(1)
47	600.14	107.85	End Shut-In(1)
47	25.84	107.67	Open To Flow (2)
77	26.92	108.76	Shut-In(2)
114	694.40	110.19	End Shut-In(2)
115	2152.59	111.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

21-16s-33w Scott, Ks

202 W Main St.
Salem, IL 62881

Unruh 1-21

Job Ticket: 66833

DST#: 4

ATTN: Vern Schrag

Test Start: 2021.04.13 @ 06:15:58

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

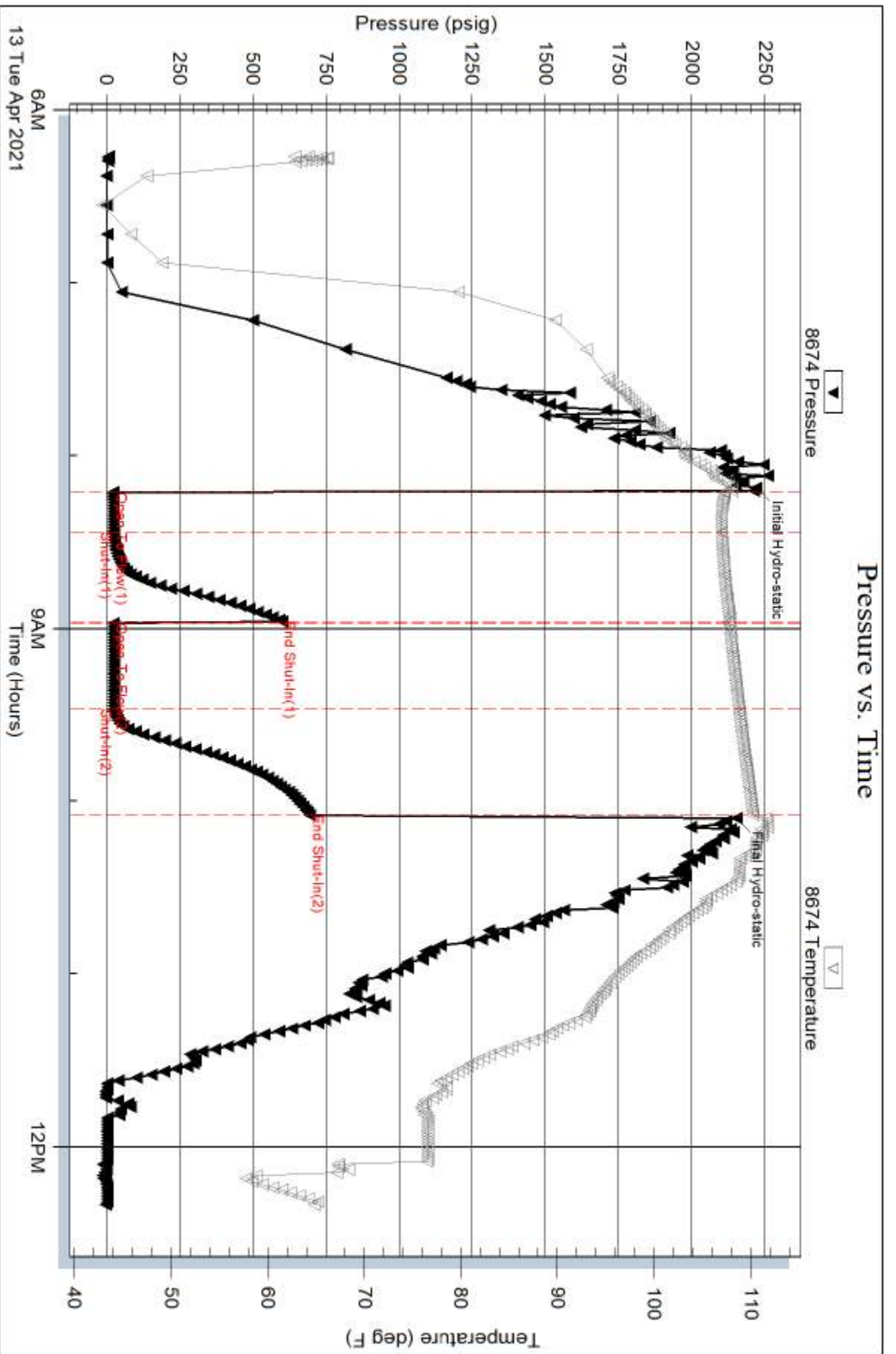
Recovery Comments:

Serial #: 8674

Outside Shakespeare Oil Co

Unruh 1-21

DST Test Number: 4



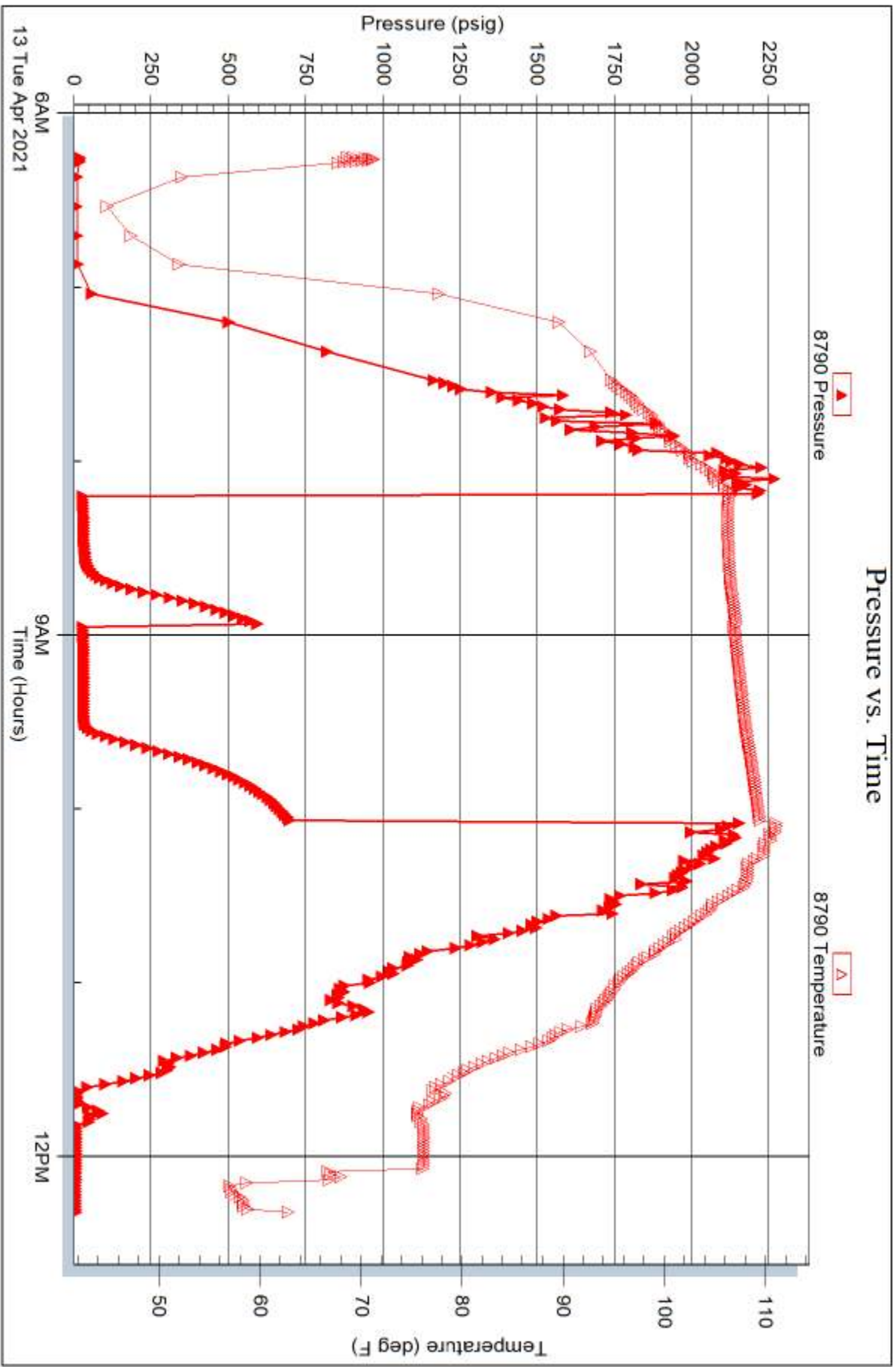
Serial #: 8790

Inside

Shakespeare Oil Co

Unruh 1-21

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 66833

Printed: 2021.04.13 @ 13:13:04

SWIFT



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
4/7/2021	33566

BILL TO
Shakespeare Oil Company, Inc 202 West Main Street Salem, IL 62881

RECEIVED
APR 13 2021

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-21	Unruh	Scott	Duke Rig #4	Oil	Development	Surface Pipe	Gideon
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	5.00	400.00
576D-S	Pump Charge - <u>Shallow Surface</u> (< 500 Ft.)				1	Job	925.00	925.00
325	Standard Cement				170	Sacks	13.50	2,295.00T
279	Bentonite Gel				3	Sack(s)	30.00	90.00T
278	Calcium Chloride				8	Sack(s)	40.00	320.00T
290	D-Air				2	Gallon(s)	42.00	84.00T
299	Sugar				2	Sack(s)	8.00	16.00T
581D	Service Charge Cement				170	Sacks	1.85	314.50
583D	Drayage				668	Ton Miles	0.95	634.60
	Subtotal							5,079.10
Customer Disc...	Customer Discount Per Ted						-10.00%	-507.91
	Subtotal							4,571.19
	Sales Tax Scott County						8.50%	214.58

INT

502-5
gr

We Appreciate Your Business!

Total

\$4,785.77 ✓

DW



TICKET 33566

CHARGE TO: Shakespeare Oil & Gas
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

PAGE 1 OF 1

SERVICE LOCATIONS
 1. Ness City, KS
 2. _____
 3. _____
 4. _____

WELL/PROJECT NO. 1-21 LEASE Unruh COUNTY/PARISH Scott CITY Pence STATE KS DATE 4-7-2021 OWNER _____
 CONTRACTOR Duke RIG NAME/NO. #4 SHIPPED VIA CT DELIVERED TO LOCATION ORDER NO. _____
 WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Surface Pipe WELL PERMIT NO. _____ WELL LOCATION Scott Lake Area

INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT							
575		1					80	mi	5.00	400.00
5765		1		MILEAGE			1	job	925.00	925.00
325		1		Pump Charge - Surface						
279		1		STANDARD CMT			170	sk	13.00	2295.00
278		1		BENTONITE GEL			3	sk	30.00	90.00
290		1		Calcium Chloride			8	sk	40.00	320.00
		1		D-Air			2	gal	42.00	84.00
299		1		Sugar			2	sk	8.00	16.00
581		1		CMT Service Charge			170	sk	1.85	314.50
583		1		Drayage			668	TM	0.95	634.60

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.
X

DATE SIGNED 4-7-2021 TIME SIGNED 3:15 A.M. P.M.
 SWIFT OPERATOR Gabeon Fuchs APPROVAL _____

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? YES NO
 WE UNDERSTOOD AND MET YOUR NEEDS? YES NO
 OUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO
 ARE YOU SATISFIED WITH OUR SERVICE? YES NO
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 1
 5065 10
 5079
 5079
 107.00
 515
 4571 19
 214 58
 TOTAL 4785 11

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 4-7-2021 PAGE NO. 1

CUSTOMER Shakespeare Oil Co.	WELL NO. 1-21	LEASE Urruh	JOB TYPE Surface P/a	TICKET NO. 33566
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								ON LOCATION 8 5/8" 2316/H
								RTD: 262'
	0100							Start 8 5/8" Csg in well
	0205							Break Circulation
	0220	4	5			✓	200	Pump 5 bbl H ₂ O Spacer
	0225	4	41			✓	200	Mix 170 sks of Standard 2 1/2 gel 3% CC CMT @ 14.7 ppg
	0235	4	0			✓	100	Start Displacement
		4	10.5			✓	300	Circulate CMT to Surface 20 sks to the Pit
	0245	-	15.75			✓	200	KO Pump & Shut in * - Release Pressure * Hold *
	0250							Wash up Trk #112
	0320							Job Complete * Plug Down @ 2:45 AM CST 170 sks of Standard CMT w/ 2 1/2 gel 3% CC used * - 20 sks to the Pit *
								THANKS! Gideon Kuzly Isaac



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
4/15/2021	35714

BILL TO
Shakespeare Oil Company, Inc 202 West Main Street Salem, IL 62881

- Acidizing
- Cement
- Tool Rental

INT

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-21	Unruh	Scott	Duke Drlg Rig #4	Oil	Development	Rotary PTA	David E

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	80	Miles	5.00	400.00
576D-P	Pump Charge - PTA	1	Job	925.00	925.00
290	D-Air	3	Gallon(s)	42.00	126.00T
328-4	60/40 Pozmix (4% Gel)	270	Sacks	11.00	2,970.00T
276	Flocele	50	Lb(s)	3.00	150.00T
581D	Service Charge Cement	270	Sacks	1.85	499.50
583D	Drayage	872	Ton Miles	0.95	828.40
410-8	8 5/8" Top Plug	1	Each	130.00	130.00T
299	Sugar	1		25.00	25.00
	Subtotal				6,053.90
Customer Disc...	Customer Discount Per Ted			-10.00%	-605.39
	Subtotal				5,448.51
	Sales Tax Scott County			8.50%	258.26

RECEIVED
APR 26 2021

502.5 gm

We Appreciate Your Business!	Total	\$5,706.77
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DW



CHARGE TO: Shakespeare
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET **35714**

PAGE 1 OF

SERVICE LOCATIONS:
 1. Hays Ks
 2. Ness City Ks
 3.
 4.

WELL/PROJECT NO. 1-21 LEASE Unruh COUNTY/PARISH Scott CITY
 CONTRACTOR Duke Drilling RIG NAME/NO. Rig 4 DELIVERED TO
 WELL TYPE oil WELL CATEGORY development JOB PURPOSE Rotary PTA WELL PERMIT NO.
 INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY. U/M		QTY. U/M		UNIT PRICE	AMOUNT
		LOC	ACCT		DF	U/M	U/M			
575	1			MILEAGE TRK # 111	80	mi			5.00	400.00
576P	1			Pump Charge - PTA	1	EA			925.00	925.00
290	1			D-Air	3	Gal			42.00	126.00
328-4	2			60/40 pozmix 40% gel	270	sk			11.00	2970.00
276	2			Floccle	50	lbs			3.00	150.00
581	2			Service Charge Cmt	270	sk			1.85	499.50
583	2			Drayage	872	TM			95	828.40
410	1			TOP plug 8 5/8	1	EA			130.00	130.00
299	1			Sugar - 25 lbs	1	EA			25.00	25.00

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

DATE SIGNED _____ TIME SIGNED _____ A.M. P.M.

DATE SIGNED _____ TIME SIGNED _____ YES NO CUSTOMER DID NOT WISH TO RESPOND

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 AGREE _____ DISAGREE _____
 UNDECIDED _____

PAGE TOTAL 6053.99
 - 605.39
 5448.60

TOTAL 5706.77

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR DAVID EDGECOM APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 4-15-21 PAGE NO. 2

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Shakespeare Oil		1-21		Unruh		Rotary PTA		35714	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1815								ON LOCATION
									1st Plug @ 2500'
		5	10			200			pump wtr spacer
		5	13			200			pump cmt - 50 sx
		5	4			200			pump wtr Disp
		5	28			200			Disp w/ mud - 3 1/2 mm
									2nd Plug @ 1700'
		5	7			200			pump wtr spacer
		5	21			200			pump cmt - 80 sx
		5	3			200			pump wtr Disp
									3rd plug @ 850
		5	4			200			pump wtr spacer
		5	13			200			pump cmt - 50 sx
		5	2			200			pump wtr Disp
									4th plug @ 300'
		5	2			200			pump wtr spacer
		5	10.5			200			pump cmt - 40 sx
		5	1			200			pump wtr Disp
									5th plug @ 60'
		1.5	8			0			pump cmt to top off - 30 sx
		1.5	8			0			plug rat hole - 30 sx cmt
	2040								Job Complete
									Thanks
									David, Zach & Isaac

