

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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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	CALE 1-27
Doc ID	1631864

Tops

Name	Top	Datum
Andydrite	2454	+496
Heebner	3935	-985
Lansing	3966	-1016
Muncie Creek	4108	-1158
Stark Shale	4194	-1244
Hushpuckney	4232	-1282
Pawnee	4382	-1432
Johnson	4524	-1574
Mississippian	4549	-1599

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	CALE 1-27
Doc ID	1631864

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
4	4217	4220			100 gal 15% MCA
4	4180	4183			250 gal 15% MCA
4	4164	4166			250 gal 15% MCA
4	4126	4130			250 gal 15% MCA
4	4113	4118			250 gal 15% MCA
4	4044	4048			250 gal 15% MCA
4	4038	4041			250 gal 15% MCA
4	4031	4033			
4	4024	4028			
4	4010	4016			250 gal 15% MCA



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Company Inc

27-11s-31w Gove, Ks

202 W Main St
Salem, IL 62881

Cale 1-27

ATTN: Kent Matson

Job Ticket: 67684

DST#: 1

Test Start: 2021.11.12 @ 23:22:10

GENERAL INFORMATION:

Formation: **Oread- Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:58:40

Time Test Ended: 07:11:40

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: 3876.00 ft (KB) To 3980.00 ft (KB) (TVD)

Reference Elevations: 2950.00 ft (KB)

Total Depth: 3980.00 ft (KB) (TVD)

2939.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674 Outside

Press@RunDepth: 327.76 psig @ 3877.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.11.12

End Date:

2021.11.13

Last Calib.:

2021.11.13

Start Time: 23:22:15

End Time:

07:11:39

Time On Btm:

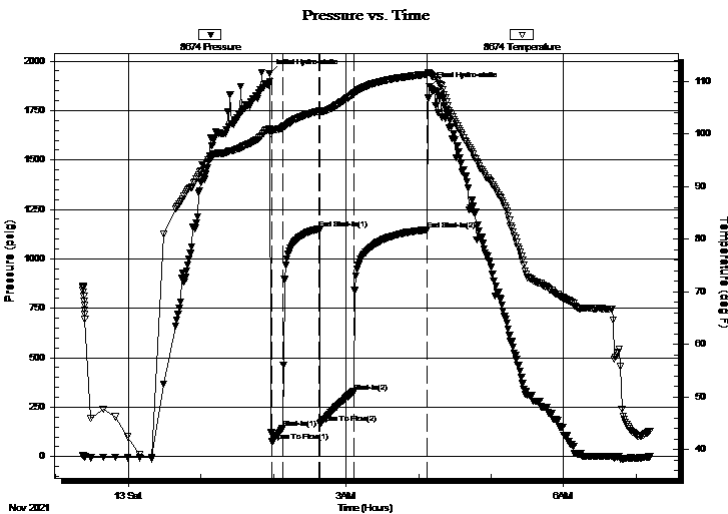
2021.11.13 @ 01:56:40

Time Off Btm:

2021.11.13 @ 04:09:10

TEST COMMENT: IF: BOB in 3 mins. 25
IS: Surface blow built to 1/4.
FF: BOB in 5 min. 48"
FS: Surface blow built to 4. 10-30-30-60

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1935.77	100.94	Initial Hydro-static
2	74.91	100.73	Open To Flow (1)
11	143.99	101.15	Shut-In(1)
41	1151.55	104.35	End Shut-In(1)
42	166.33	104.13	Open To Flow (2)
70	327.76	107.57	Shut-In(2)
131	1148.26	111.33	End Shut-In(2)
133	1870.44	111.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
189.00	mcw 60%w 40%m	2.65
126.00	gocw m 15%g 5%o10%w 70%m	1.77
189.00	gocm 10%g 10%o 80%m	2.65
161.00	go 20%g 80%o	2.26
0.00	217 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Company Inc

27-11s-31w Gove, Ks

202 W Main St
Salem, IL 62881

Cale 1-27

Job Ticket: 67684

DST#: 1

ATTN: Kent Matson

Test Start: 2021.11.12 @ 23:22:10

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

95000 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 60%w 40%m	2.651
126.00	gocw m 15%g 5%o 10%w 70%m	1.767
189.00	gocm 10%g 10%o 80%m	2.651
161.00	go 20%g 80%o	2.258
0.00	217 GIP	0.000

Total Length: 665.00 ft Total Volume: 9.327 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

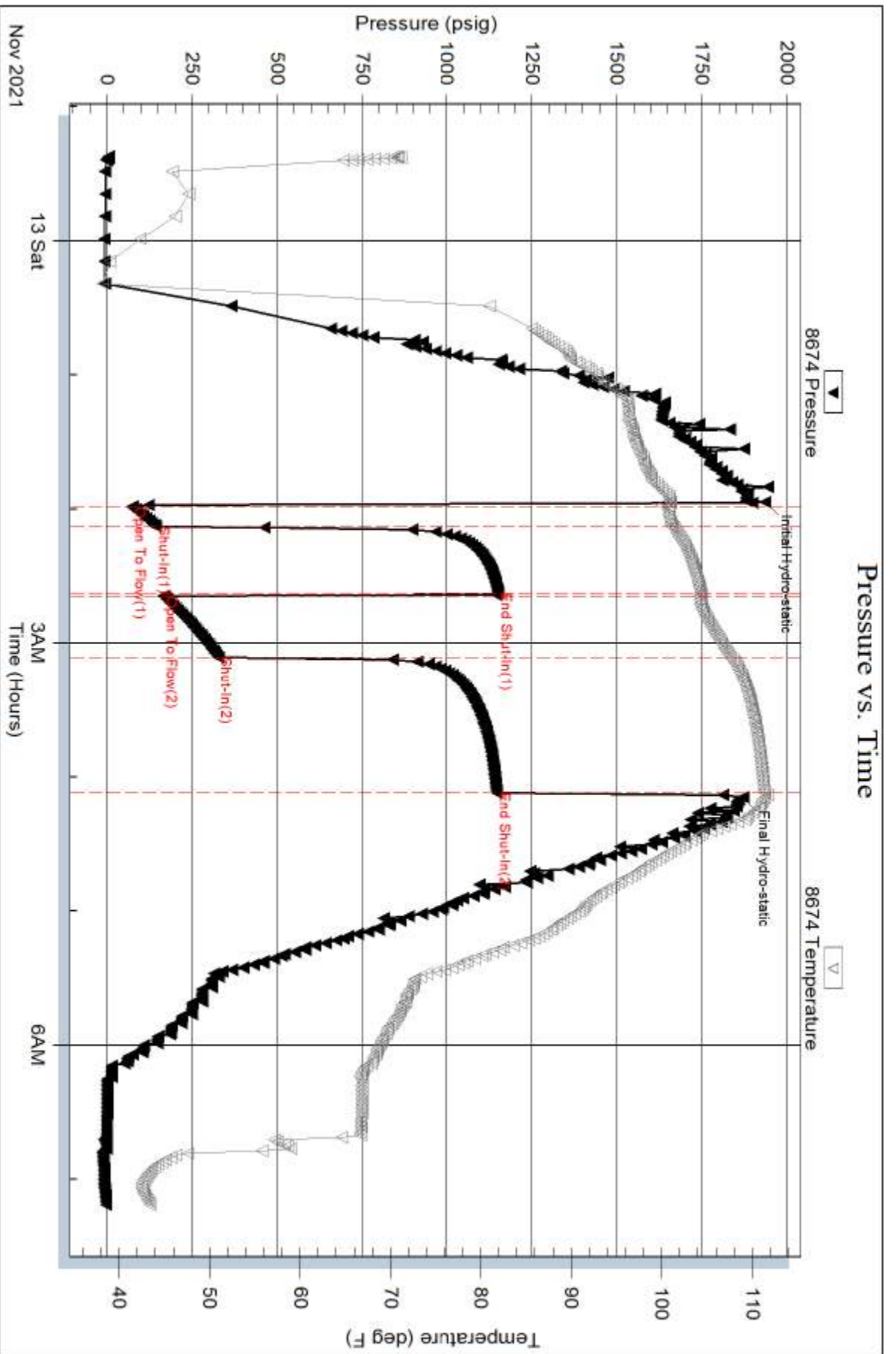
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 33@30=36

.22@26=95000



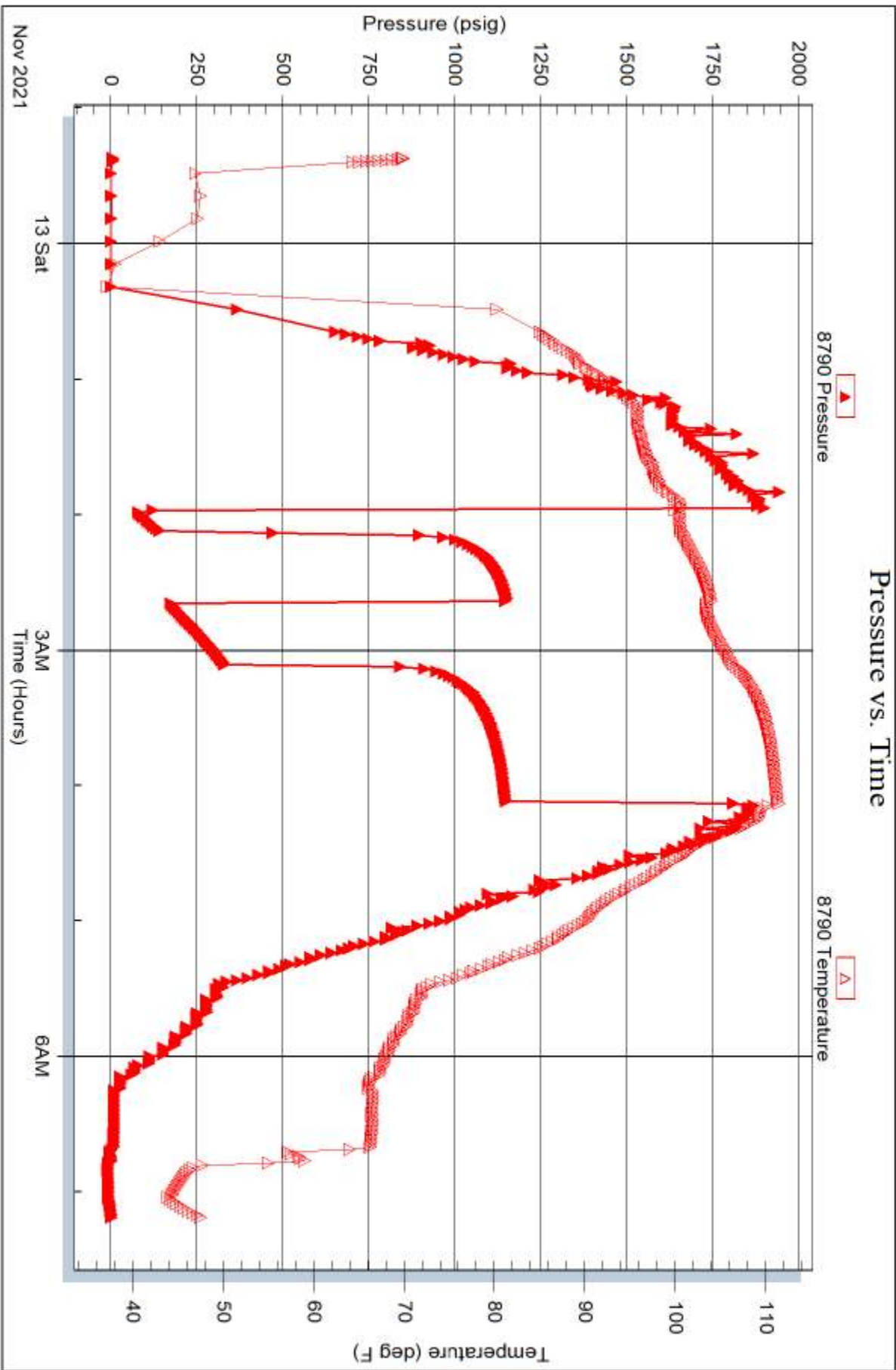
Serial #: 8790

Inside

Shakespeare Oil Company Inc

Case 1-27

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67684

Printed: 2021.11.13 @ 07:42:28



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Company Inc

27-11s-31w Gove, Ks

202 W Main St
Salem, IL 62881

Cale 1-27

ATTN: Kent Matson

Job Ticket: 67685

DST#: 2

Test Start: 2021.11.13 @ 18:47:42

GENERAL INFORMATION:

Formation: **Lansing B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:18:42

Time Test Ended: 02:06:12

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 3999.00 ft (KB) To 4030.00 ft (KB) (TVD)

Reference Elevations: 2950.00 ft (KB)

Total Depth: 4030.00 ft (KB) (TVD)

2939.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674 Outside

Press@RunDepth: 225.39 psig @ 4000.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.11.13

End Date:

2021.11.14

Last Calib.: 2021.11.14

Start Time: 18:47:47

End Time:

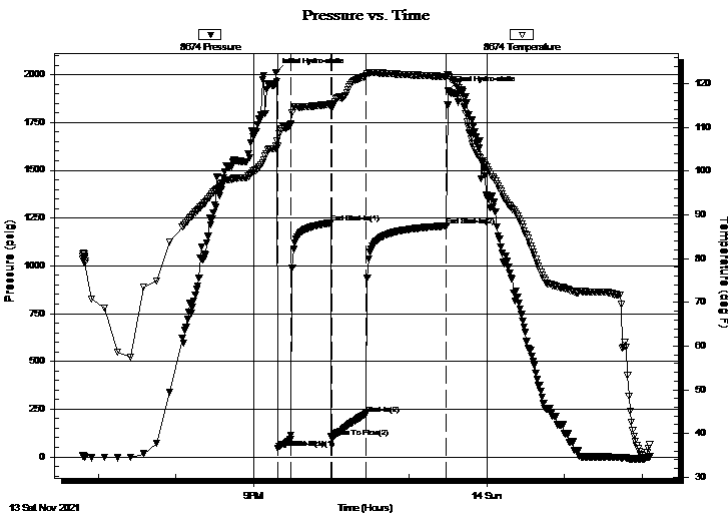
02:06:11

Time On Btm: 2021.11.13 @ 21:17:12

Time Off Btm: 2021.11.13 @ 23:30:12

TEST COMMENT: IF: BOB in 2 1/2 mins. 47
IS: Surface blow built to 2 3/4.
FF: BOB in 4 1/2 mins. 99
FS: BOB in 6 min. 29 10-30-30-60

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2012.41	105.70	Initial Hydro-static
2	45.44	105.69	Open To Flow (1)
11	90.01	110.55	Shut-In(1)
42	1223.60	115.30	End Shut-In(1)
43	99.65	114.75	Open To Flow (2)
70	225.39	121.89	Shut-In(2)
132	1208.88	121.60	End Shut-In(2)
133	1915.37	121.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	gocm 50%g 20%o 30%m	1.77
126.00	mogo 50%g 30%o 20%m	1.77
282.00	go 20%g 80%o	3.96
0.00	1419 GIP	0.00

* 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 Company Inc

27-11s-31w Gove, Ks

202 W Main St
Salem, IL 62881

Cale 1-27

Job Ticket: 67685

DST#: 2

ATTN: Kent Matson

Test Start: 2021.11.13 @ 18:47:42

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 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
126.00	gocm 50%g 20%o 30%m	1.767
126.00	mcgo 50%g 30%o 20%m	1.767
282.00	go 20%g 80%o	3.956
0.00	1419 GIP	0.000

Total Length: 534.00 ft

Total Volume: 7.490 bbl

Num Fluid Samples: 0

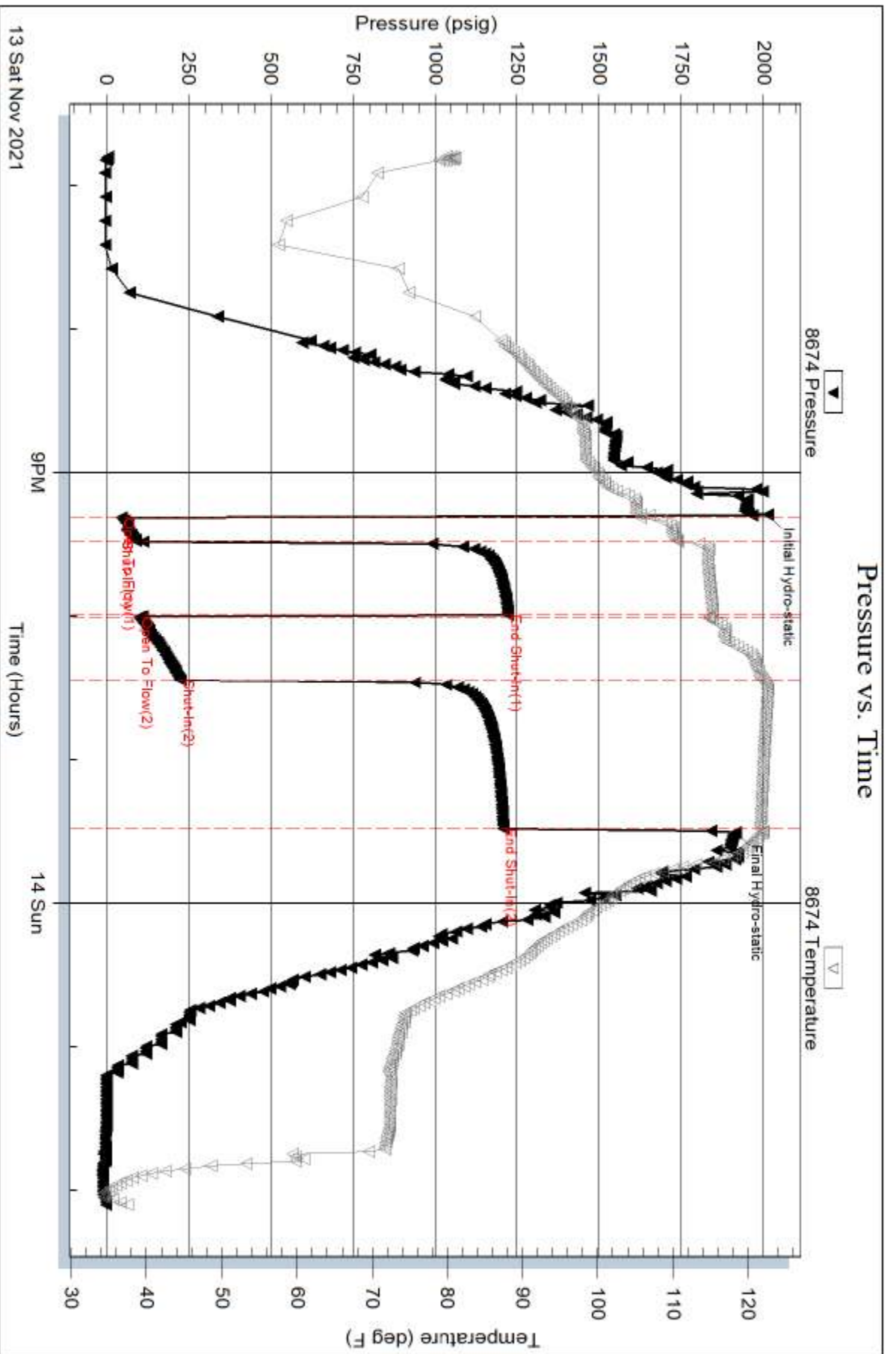
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 38@40=40



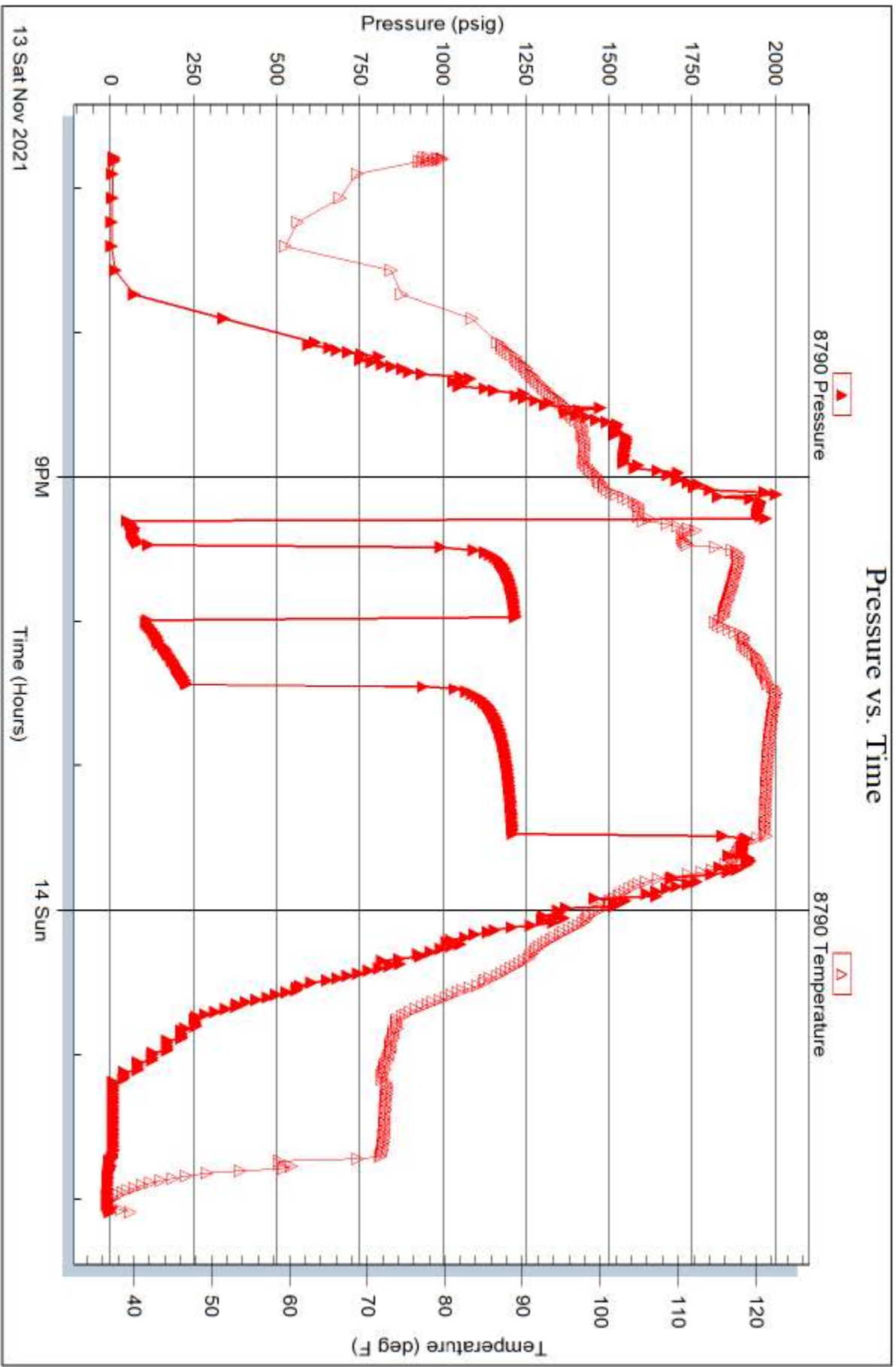
Serial #: 8790

Inside

Shakespeare Oil Company Inc

Case 1-27

DST Test Number: 2





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Company Inc

27-11s-31w Gove, Ks

202 W Main St
Salem, IL 62881

Cale 1-27

ATTN: Kent Matson

Job Ticket: 67686

DST#: 3

Test Start: 2021.11.14 @ 12:41:55

GENERAL INFORMATION:

Formation: **Lansing CDEF**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:57:55

Time Test Ended: 20:11:25

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4028.00 ft (KB) To 4080.00 ft (KB) (TVD)

Reference Elevations: 2950.00 ft (KB)

Total Depth: 4080.00 ft (KB) (TVD)

2939.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674 Outside

Press@RunDepth: 411.11 psig @ 4029.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.11.14

End Date:

2021.11.14

Last Calib.: 2021.11.14

Start Time: 12:42:00

End Time:

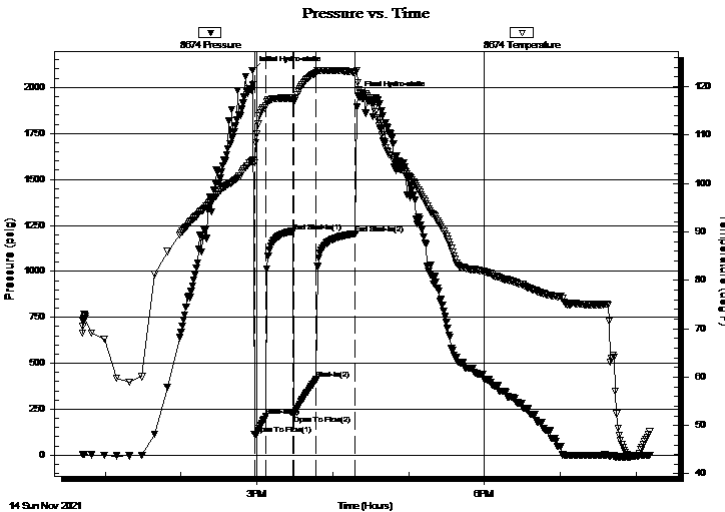
20:11:24

Time On Btm: 2021.11.14 @ 14:56:25

Time Off Btm: 2021.11.14 @ 16:19:55

TEST COMMENT: IF: BOB in 1 min. 86"
IS: 1/4 blow built to 7 3/4."
FF: BOB in 2 mins. 98"
FS: 1/4 blow built to 4 3/4. 10-20-20-30

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2092.64	104.63	Initial Hydro-static
2	115.19	104.34	Open To Flow (1)
11	211.59	115.99	Shut-In(1)
32	1217.17	117.63	End Shut-In(1)
33	217.66	116.81	Open To Flow (2)
51	411.11	122.85	Shut-In(2)
82	1203.80	122.95	End Shut-In(2)
84	1957.51	120.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 90%w 10%m	1.77
189.00	gocw m 10%g 30%o 20%w 40%m	2.65
630.00	mcgo 30%g 50%o 20%m	8.84
94.00	go 10%g 90%o	1.32
0.00	1103 GIP	0.00

* 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 Company Inc

27-11s-31w Gove, Ks

202 W Main St
Salem, IL 62881

Cale 1-27

Job Ticket: 67686

DST#: 3

ATTN: Kent Matson

Test Start: 2021.11.14 @ 12:41:55

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

69000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
126.00	mcw 90%w 10%m	1.767
189.00	gocw m 10%g 30%o 20%w 40%m	2.651
630.00	mcgo 30%g 50%o 20%m	8.837
94.00	go 10%g 90%o	1.319
0.00	1103 GIP	0.000

Total Length: 1039.00 ft Total Volume: 14.574 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

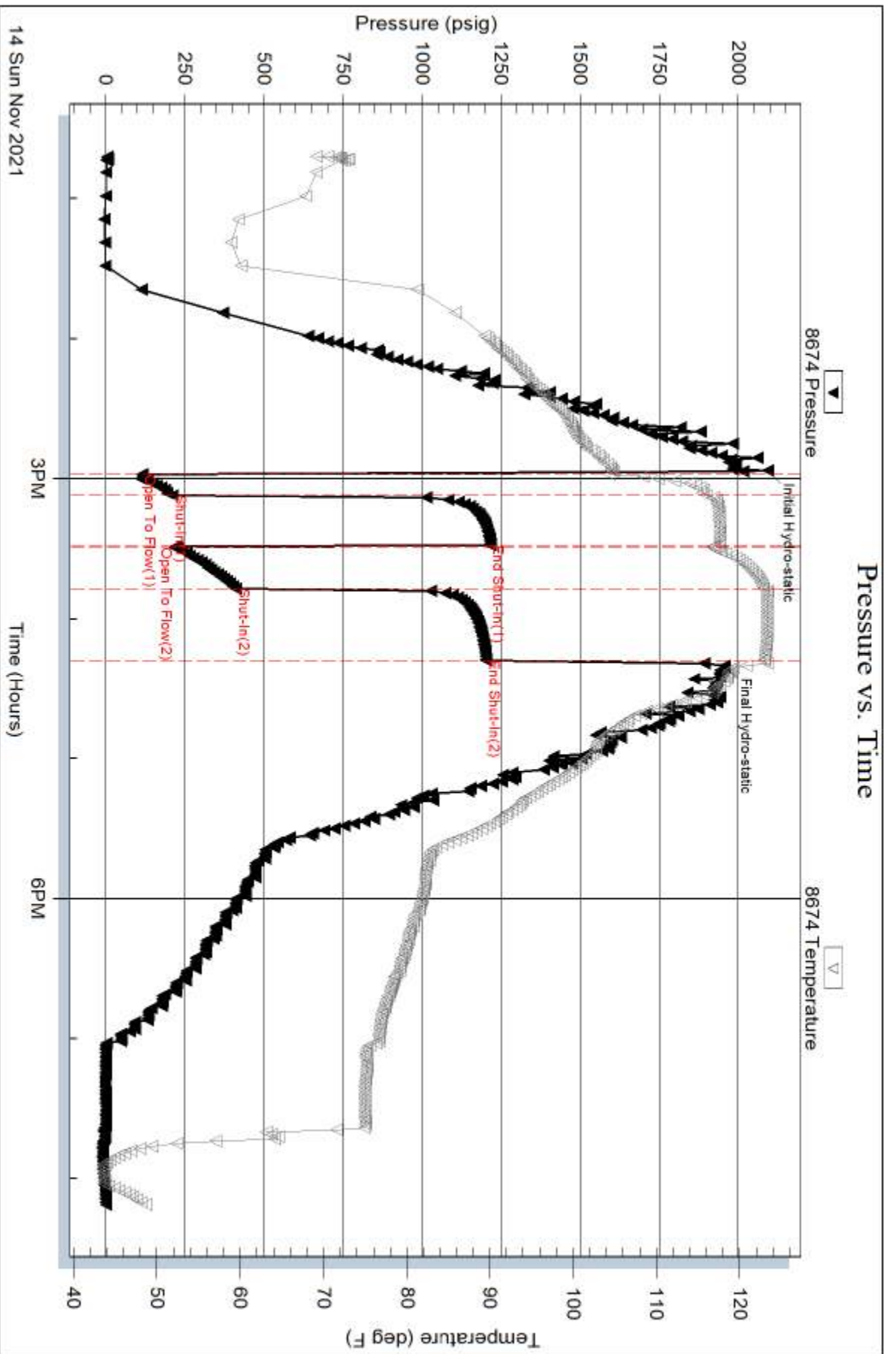
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 38@50=39

.18@41=69000



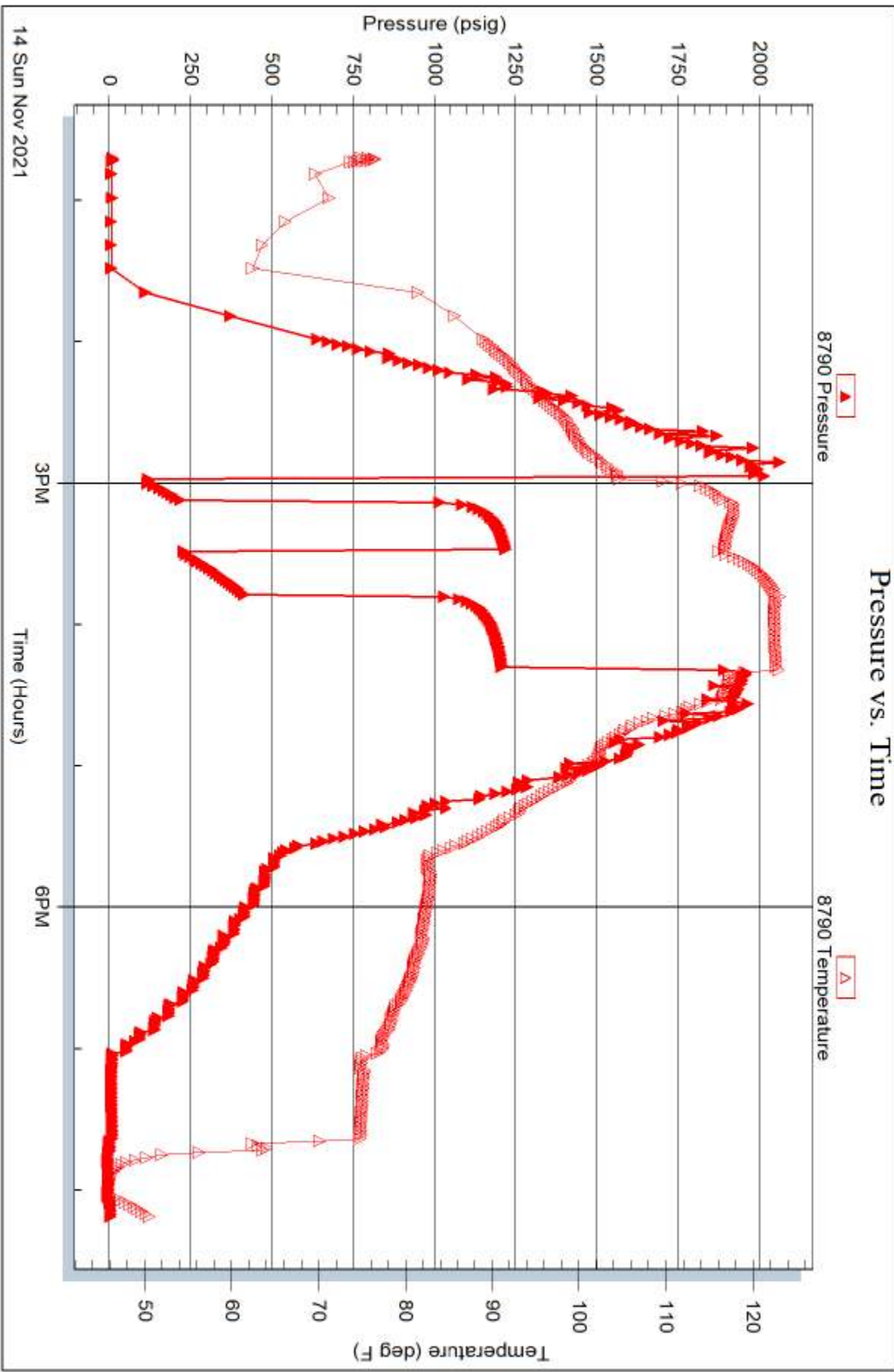
Serial #: 8790

Inside

Shakespeare Oil Company Inc

Case 1-27

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 67686

Printed: 2021.11.14 @ 20:48:16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Company Inc

27-11s-31w Gove, Ks

202 W Main St
Salem, IL 62881

Cale 1-27

ATTN: Kent Matson

Job Ticket: 67687

DST#: 4

Test Start: 2021.11.15 @ 12:30:52

GENERAL INFORMATION:

Formation: **Lansing HIJ**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:52:17

Time Test Ended: 18:42:46

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4118.00 ft (KB) To 4210.00 ft (KB) (TVD)

Reference Elevations: 2950.00 ft (KB)

Total Depth: 4210.00 ft (KB) (TVD)

2939.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674 Outside

Press@RunDepth: 83.20 psig @ 4123.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.11.15 End Date: 2021.11.15

Last Calib.: 2021.11.15

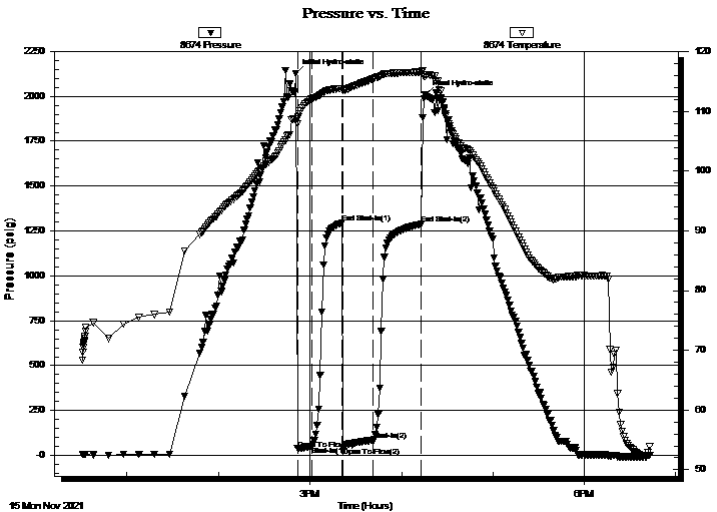
Start Time: 12:30:52 End Time: 18:42:46

Time On Btm: 2021.11.15 @ 14:50:47

Time Off Btm: 2021.11.15 @ 16:15:47

TEST COMMENT: IF: BOB in 5 mins. 25"
IS: Surface blow built to 1/2.
FF: BOB in 30 secs. 67"
FS: Surface blow built to 3/4. 10-20-20-30

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2125.97	108.77	Initial Hydro-static
2	36.10	109.04	Open To Flow (1)
11	50.85	112.14	Shut-In(1)
30	1295.02	113.83	End Shut-In(1)
31	46.73	113.47	Open To Flow (2)
51	83.20	115.47	Shut-In(2)
82	1287.00	116.60	End Shut-In(2)
85	2009.80	115.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	gocm 20%g 20%o 60%m	0.88
94.00	gocm 10% 20%o 70%m	1.32
0.00	1166 GIP	0.00

* 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 Company Inc

27-11s-31w Gove, Ks

202 W Main St
Salem, IL 62881

Cale 1-27

Job Ticket: 67687

DST#: 4

ATTN: Kent Matson

Test Start: 2021.11.15 @ 12:30:52

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
63.00	gocm 20%g 20%o 60%m	0.884
94.00	gocm 10% 20%o 70%m	1.319
0.00	1166 GIP	0.000

Total Length: 157.00 ft

Total Volume: 2.203 bbl

Num Fluid Samples: 0

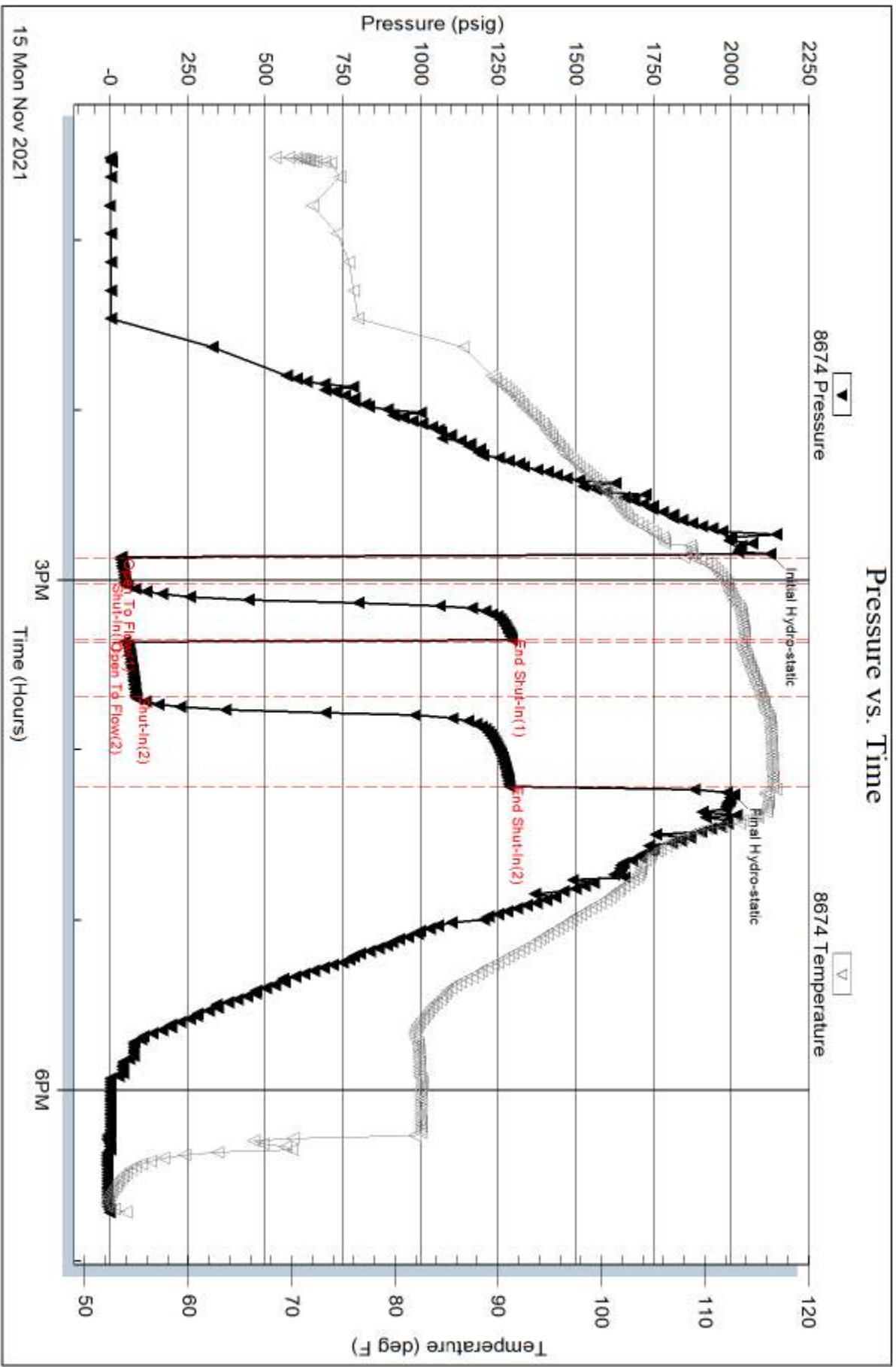
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



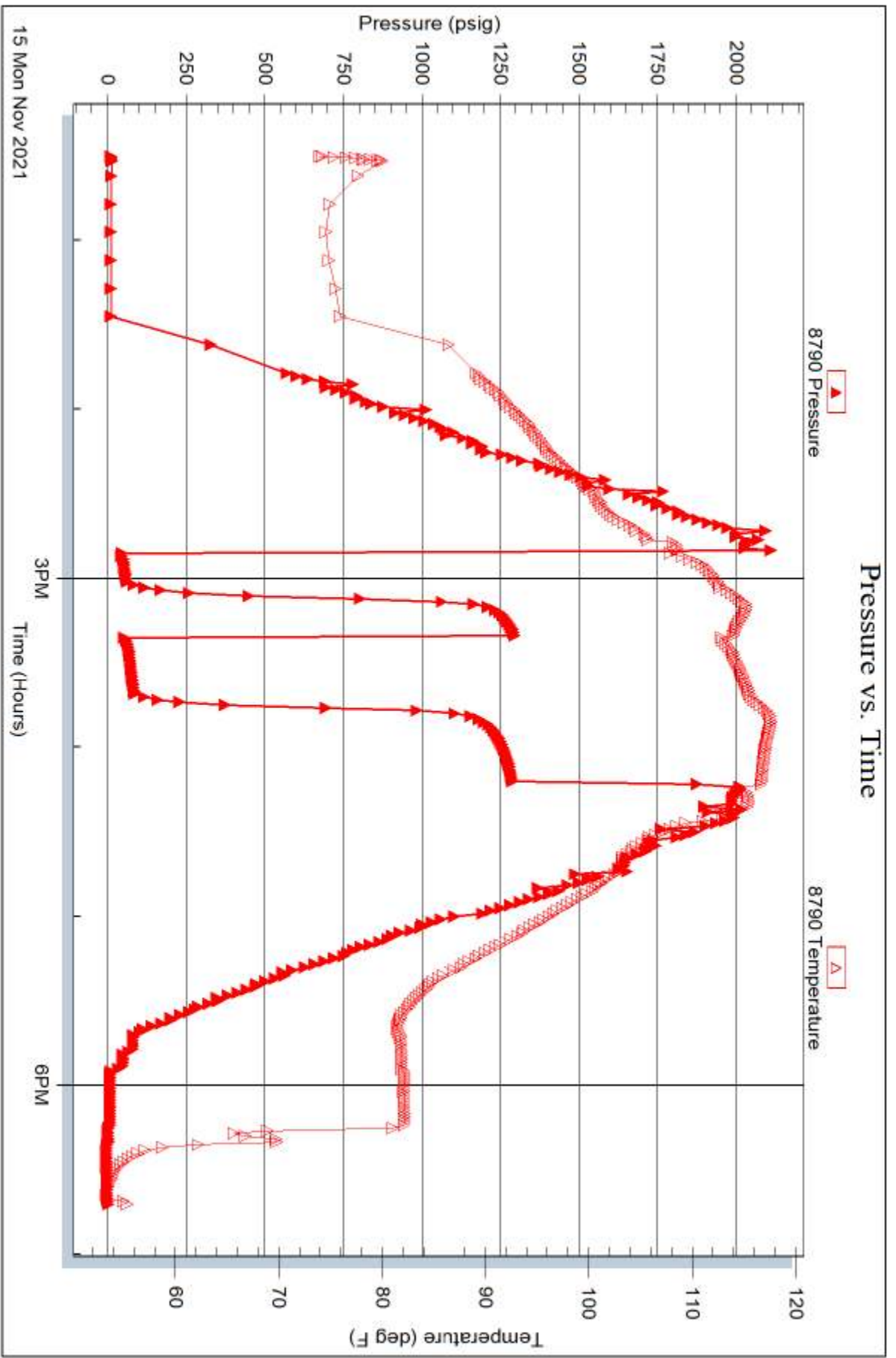
Serial #: 8790

Inside

Shakespeare Oil Company Inc

Case 1-27

DST Test Number: 4



15 Mon Nov 2021

Trilobite Testing, Inc

Ref. No: 67687

Printed: 2021.11.15 @ 20:07:13



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Company Inc

27-11s-31w Gove, Ks

202 W Main St
Salem, IL 62881

Cale 1-27

ATTN: Kent Matson

Job Ticket: 67688

DST#: 5

Test Start: 2021.11.16 @ 02:57:50

GENERAL INFORMATION:

Formation: **Lansing K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:51:50

Time Test Ended: 08:52:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4188.00 ft (KB) To 4230.00 ft (KB) (TVD)

Reference Elevations: 2950.00 ft (KB)

Total Depth: 4188.00 ft (KB) (TVD)

2939.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674 Outside

Press@RunDepth: 278.34 psig @ 4193.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.11.16

End Date:

2021.11.16

Last Calib.: 2021.11.16

Start Time: 02:57:55

End Time:

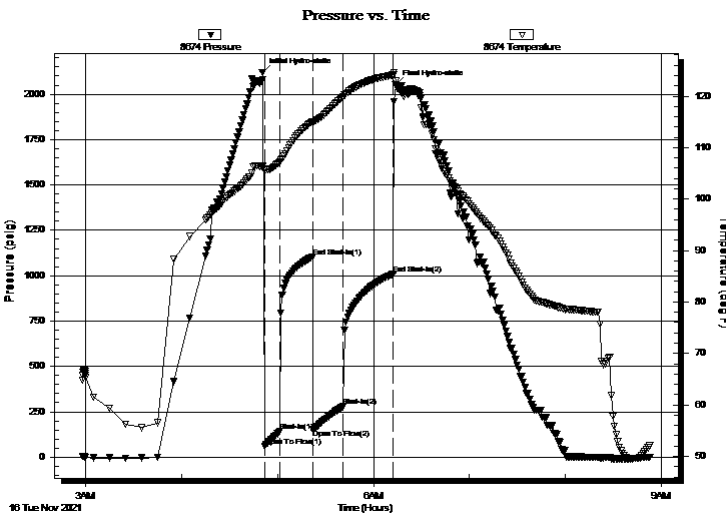
08:52:49

Time On Btm: 2021.11.16 @ 04:50:20

Time Off Btm: 2021.11.16 @ 06:13:50

TEST COMMENT: IF: BOB in 4 mins. 19 1/2
IS: Surface blow built to 1/2.
FF: BOB in 6 mins. 30
FS: Surface blow built to 1 3/4. 10-20-20-30

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.84	106.38	Initial Hydro-static
2	58.47	105.74	Open To Flow (1)
11	141.71	107.18	Shut-In(1)
32	1103.48	115.07	End Shut-In(1)
32	152.54	114.87	Open To Flow (2)
51	278.34	119.83	Shut-In(2)
82	1009.47	124.11	End Shut-In(2)
84	2053.30	122.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 90%w 10%m	1.77
252.00	gocw m 10%g 5%o 35%w 50%m	3.53
166.00	ocmw 5%o 65%w 30%m	2.33
0.00	126 GIP	0.00

* 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 Company Inc

27-11s-31w Gove, Ks

202 W Main St
Salem, IL 62881

Cale 1-27

Job Ticket: 67688

DST#: 5

ATTN: Kent Matson

Test Start: 2021.11.16 @ 02:57:50

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:

64000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
126.00	mcw 90%w 10%m	1.767
252.00	gocw m 10%g 5%o 35%w 50%m	3.535
166.00	ocmw 5%o 65%w 30%m	2.329
0.00	126 GIP	0.000

Total Length: 544.00 ft

Total Volume: 7.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

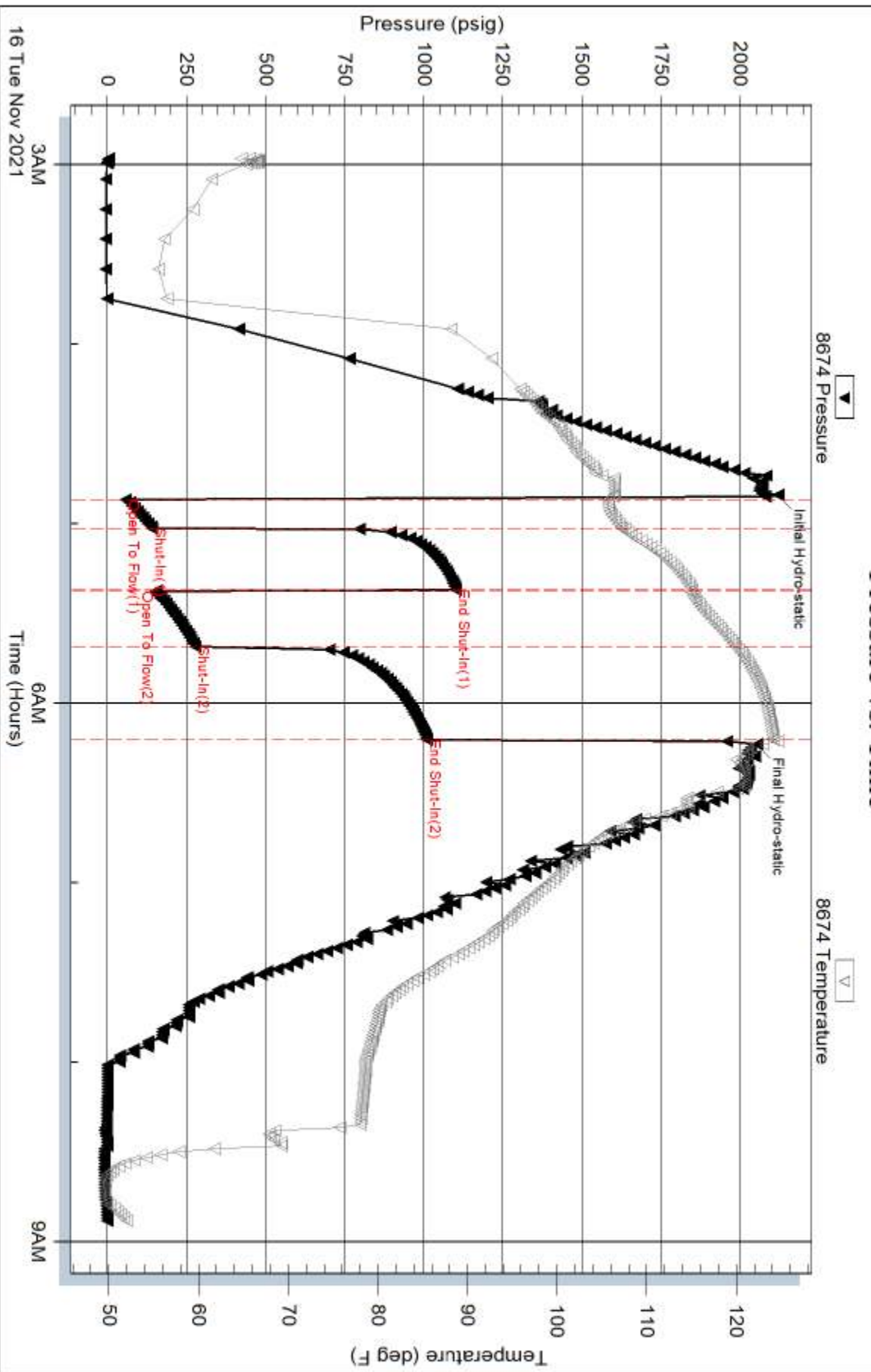
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .21@41=64000

Pressure vs. Time



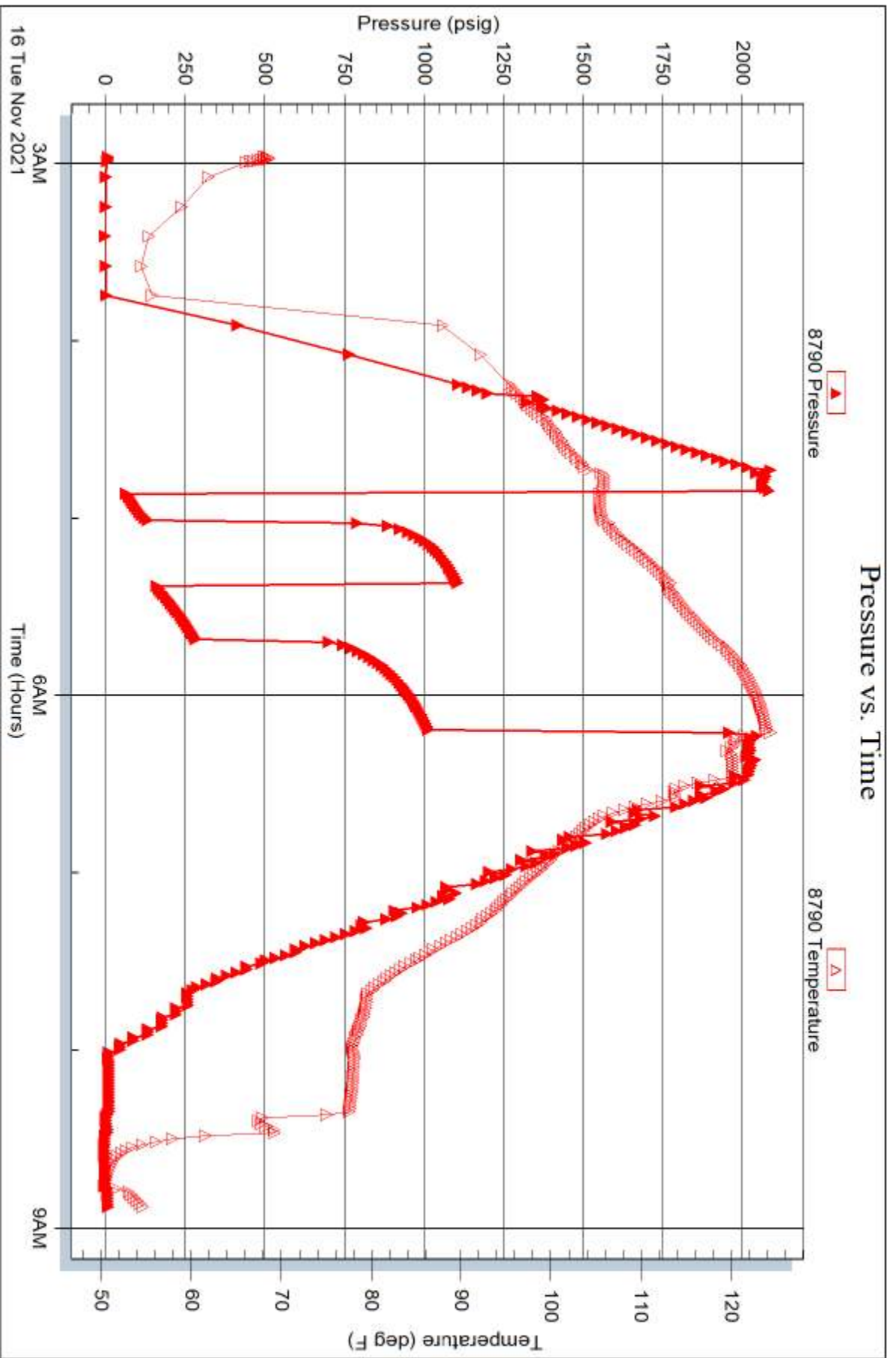
Serial #: 8790

Inside

Shakespeare Oil Company Inc

Case 1-27

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 67688

Printed: 2021.11.16 @ 09:35:24



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Company Inc

27-11s-31w Gove, Ks

202 W Main St
Salem, IL 62881

Cale 1-27

ATTN: Kent Matson

Job Ticket: 67689

DST#: 6

Test Start: 2021.11.16 @ 17:13:58

GENERAL INFORMATION:

Formation: **Lansing L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:22:58

Time Test Ended: 23:12:28

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4228.00 ft (KB) To 4255.00 ft (KB) (TVD)

Reference Elevations: 2950.00 ft (KB)

Total Depth: 4255.00 ft (KB) (TVD)

2939.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674 Outside

Press@RunDepth: 43.25 psig @ 4233.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.11.16 End Date: 2021.11.16

Last Calib.: 2021.11.16

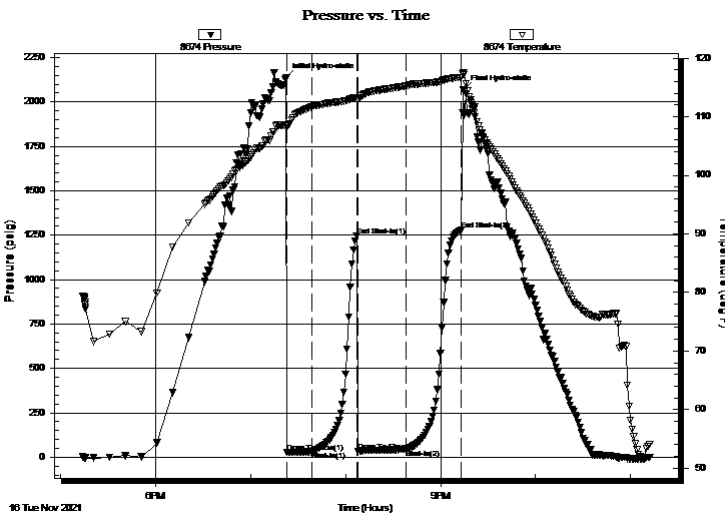
Start Time: 17:14:03 End Time: 23:12:27

Time On Btm: 2021.11.16 @ 19:22:28

Time Off Btm: 2021.11.16 @ 21:14:28

TEST COMMENT: IF: 1/4 blow built to 5 1/4.
IS: No return.
FF: BOB in 7 mins. 18 1/2
FS: Surface blow . 15-30-30-30

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2134.30	108.57	Initial Hydro-static
1	27.50	108.15	Open To Flow (1)
17	31.69	111.74	Shut-In(1)
45	1245.96	113.27	End Shut-In(1)
46	33.63	113.03	Open To Flow (2)
76	43.25	115.24	Shut-In(2)
111	1277.17	116.74	End Shut-In(2)
112	2067.21	117.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	gocm 20%g 10%o 70%m	0.88
0.00	315 GIP	0.00

* 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 Company Inc

27-11s-31w Gove, Ks

202 W Main St
Salem, IL 62881

Cale 1-27

Job Ticket: 67689

DST#: 6

ATTN: Kent Matson

Test Start: 2021.11.16 @ 17:13:58

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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
63.00	gocm 20%g 10%o 70%m	0.884
0.00	315 GIP	0.000

Total Length: 63.00 ft Total Volume: 0.884 bbl

Num Fluid Samples: 0

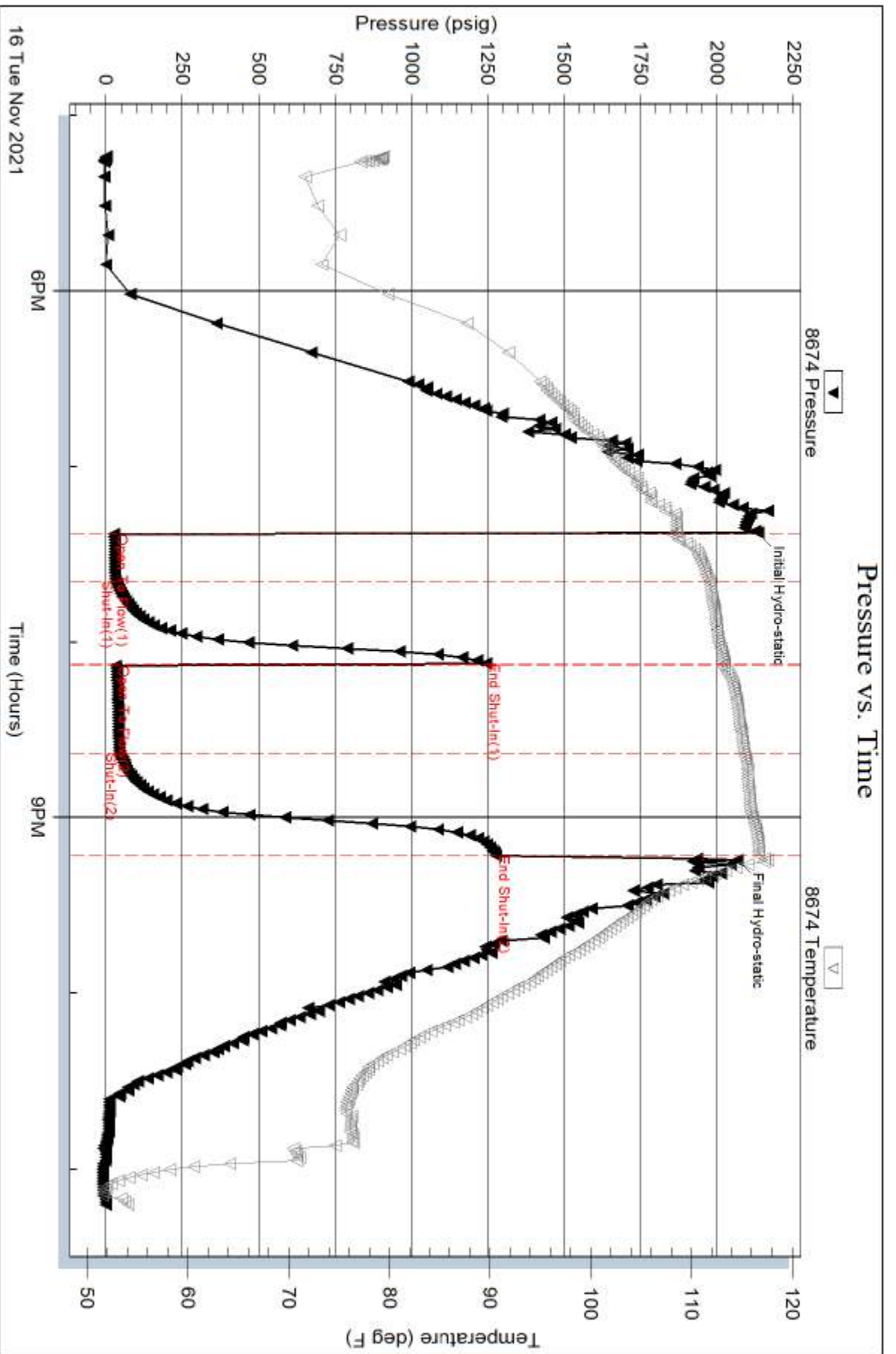
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



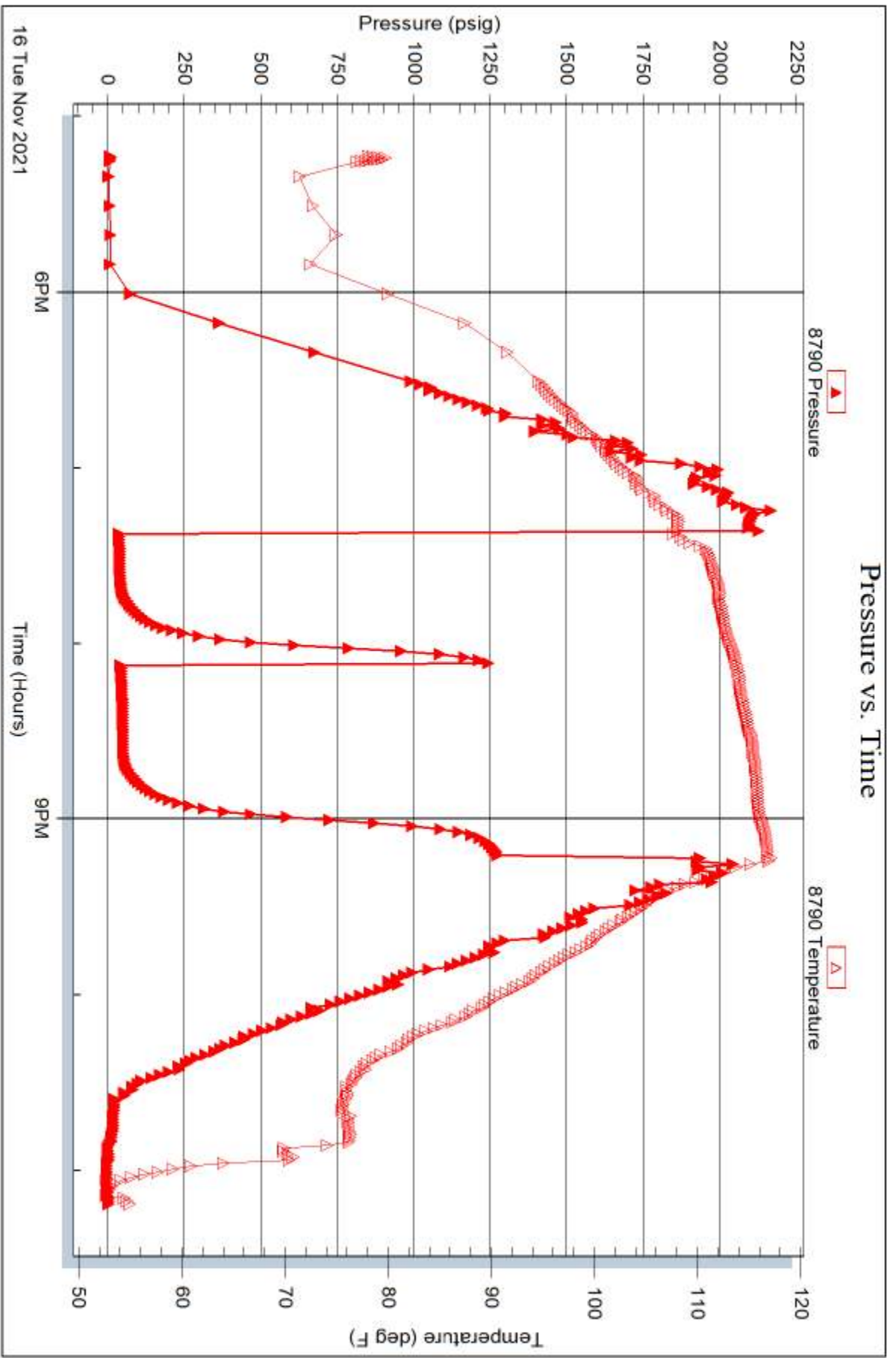
Serial #: 8790

Inside

Shakespeare Oil Company Inc

Case 1-27

DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 67689

Printed: 2021.11.18 @ 09:26:06



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

Well Name: CALE
Well Id: #1-27
Location: 1070' FNL, 2280' FWL, NW/4 Sec 27-T11S-R31W, Gove County, Kansas
License Number: API: 15-063-22391 **Region:** Gove County
Spud Date: 11/08/2021 **Drilling Completed:** 11/18/2021
Surface Coordinates: NAD83
Lat: 39.0733038, **Long:** -100.7496788
Bottom Hole Vertical hole
Coordinates:
Ground Elevation (ft): 2939' **K.B. Elevation (ft):** 2950'
Logged Interval (ft): 3750' **To:** RTD **Total Depth (ft):** 4610'
Formation: Mississippian at RTD
Type of Drilling Fluid: Chemical

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

OPERATOR

Company: SHAKESPEARE OIL COMPANY, INC.
Address: 202 West Main Street
Salem, IL 62881
618-548-1585

WELLSITE GEOLOGIST

Name: Kent R. Matson
Company: Matson Geological Services, LLC
Address: 33300 W. 15th Street S.
Garden Plain, Kansas 67050
316-644-1975; kent4m@hotmail.com



COMMENTS

Shakespeare Oil Company, Inc., Geologist: Toby Eck, 316-305-0572 (cell).

Contractor: Duke Drilling Company, Inc.: Rig #5.

Tool Pusher: Hector Torres, 620-682-3927 (cell).

Surface Casing: 8 5/8" set at 269' (KB) w/170sx cement.

Production Casing: Based on field observations of drill cuttings, DST results and electric log evaluation, 5.5" production casing was installed.

Mud by: Mud-Co/Service Mud, Inc., Reid Atkins, 785-694-3741 (cell).

DST's by: Trilobite Testing, Brandon Turley, 785-650-8399 (cell).

Logs by: ELI Wireline (DI w/GR, CND, Micro), Jason Cappellucci, 785-735-7112 (office).

RTD= 4610'

LTD= 4611'

FORMATION TOPS

FORMATION	SAMPLE TOPS		LOG TOPS	
	Depth	Datum	Depth	Datum
Oread	3890'	-940	3887'	-937
Heebner Shale	3936'	-986	3935'	-985
Lansing	3967'	-1017	3966'	-1016
Muncie Creek Shale	4108'	-1158	4109'	-1159
Stark Shale	4194'	-1244	4194'	-1244
Hushpuckney Shale	4230'	-1280	4231'	-1281
Base of KC	4256'	-1306	4258'	-1308
Marmaton	4310'	-1360	4312'	-1362
Pawnee	4380'	-1430	4383'	-1433
Myrick Station	4428'	-1472	4428'	-1478
Fort Scott	4451'	-1501	4453'	-1503
Cherokee Shale	4478'	-1528	4480'	-1530
Johnson	4524'	-1574	4524'	-1574
Mississippian	4548'	-1598	4550'	-1600
RTD	4610'	-1660		
LTD			4611'	-1661

ROCK TYPES

LITHOLOGY

	Anhy
	Cht
	Coal
	Congl
	Dol
	Gyp
	Lmst
	Salt
	Shale
	Shcol
	Shgy
	Sltst
	Ss
	Carb sh
	Dol
	Dtd
	Gry sh
	Sandy lms
	Shale
	Sltstn
	Shlyslts

	Sitysh
	Sdy dolo
	Silty dolo
	Shy dolo
	Shaly ls

FOSSIL

	Algae
	Amph
	Belm
	Bioclst
	Brach
	Bryozoa
	Cephal
	Coral
	Crin
	Echin
	Fish
	Foram
	Fossil
	Gastro
	Oolite

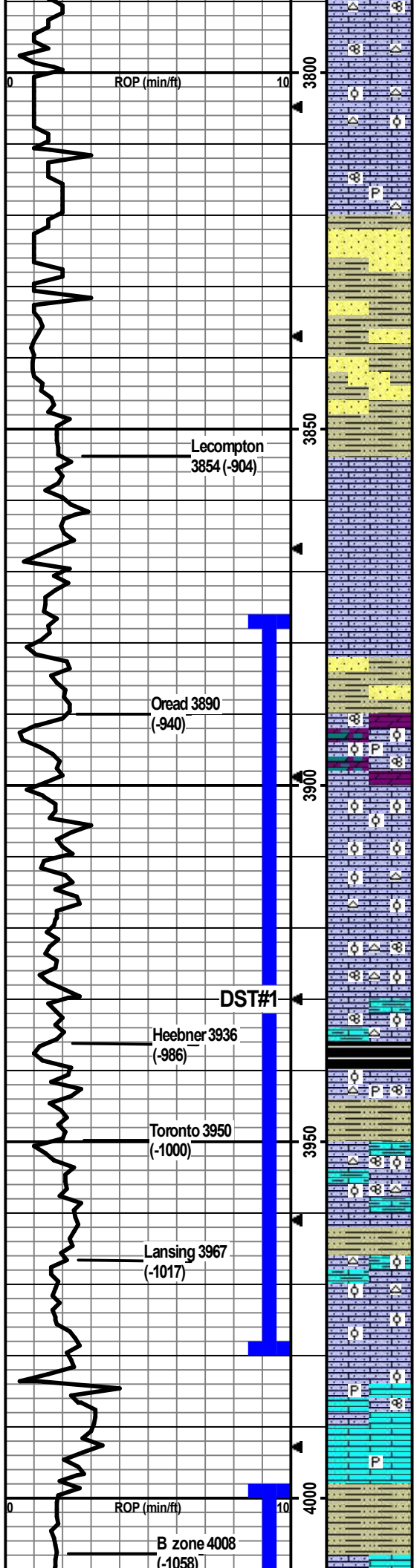
MINERAL

	Ostra
	Pelec
	Pellet
	Pisolite
	Plant
	Strom
	Fuss
	Oomold
	Anhy
	Arggrn
	Arg
	Bent
	Bit
	Brecfrag
	Calc
	Carb
	Chtdk
	Chtlit
	Dol
	Feldspar

	Ferrpel
	Ferr
	Glau
	Gyp
	Hvymn
	Kaol
	Marl
	Minxl
	Nodule
	Phos
	Pyr
	Salt
	Sandy
	Silt
	Sil
	Sulphur
	Tuff
	Chlorite
	Dol
	Sand
	Sity

Rate of Penetration (ROP) ROP (min/ft)	DEPTH	Lithology	CFS Point	Oil Shows	Geological Descriptions	Remarks
	<p>36</p> <p>3650</p> <p>3700</p> <p>3750</p>				<p>Morning Report Depth/Activity (7:00 am)</p> <p>11/05/2021: MIRU. 11/08: Spud, set surface casing @ 269' KB. 11/09: Drilling @ 921'. 11/10: Drilling @ 2394'. 11/11: Drilling @ 3302'. 11/12: Drilling @ 3798'. 11/13: Laying down test tool for DST #1 @ 3980'. 11/14: CFS @ 4050'. 11/15: Drilling @ 4180'. 11/16: TOH w/tool for DST #5 @ 4230'. 11/17: Drilling @ 4310'. 11/18: CFS @ 4550'. TD @ 4610', Electric logged.</p> <p>Anhydrite: Top @ 2456' (+494), Base was not easily distinguishable (based on drill time).</p> <p>Geologist on location @ 3710', 11/11/2021.</p> <p>ROP Data begins @ 3750' on 11/12/2021. Recorded from drillers geolograph record, and geologist's auto-reader switch on geolograph.</p> <p>Formation tops and lithologies have been adjusted to correlate to the electric log.</p> <p>Oil Shows indicator: Left Block 0-10 tray pcs w/show, Middle Block 10-20 tray pcs w/show, Right Block 20+ tray pcs w/show.</p> <p>Drill cutting samples at 10' intervals start at 3750'.</p> <p>LS: wht/cm/lt gry, micro-m xtal, vry sndy, arg, chalky, foss frags/dense ool, no vis por, no odor, ns.</p> <p>LS: cm/lt-m bm, vf-n xtal, chalky, silty/sndy, foss frags/dense ool, no vis por, no odor, ns.</p> <p>LS: cm/lt-m bm/gry, vf-m xtal, chalky, vry silty/sndy/arg, lt bm/lt gry chert, foss frags/ool/grainy, some ppt-vf in-xtal por, no odor, ns.</p> <p>SH: lt-m gry/lt green-gry/bm/red bm, vry silty/sndy, soft-firm. SS: lt gry, pred qtz, vf-f, carb, friable, no odor, ns.</p> <p>LS: cm/lt bm, vf-f xtal, vry sndy, vry chalky, wht chert, foss frags/fush/grainy, ppt-f in-xtal por, no odor, ns.</p>	<p>Mud-Co/Service Mud Inc. Check #1 @ 0' 11/05/21, predrilling instructions.</p> <p>Mud-Co/Service Mud Inc. Check #2 @ 1296' 11/09/21 11:50am wt vis pH chl 8.7 H 7 100 Filt LCM n/c 0</p> <p>Mud-Co/Service Mud Inc. Check #3 @ 2577' 11/10/21 11:25am wt vis pH chl 9.3 32 7 8000 Filt LCM n/c 3</p> <p>Mud-Co/Service Mud Inc. Check #4 @ 3421' 11/11/21 10:40am wt vis pH chl 9.8 34 7 16000 Filt LCM n/c 2</p> <p>Mud-Co/Service Mud Inc. Check #5 @ 3837' 11/12/21 09:10am wt vis pH chl 8.8 59 11.5 2000 Filt LCM 7.2 5</p> <p>Mud-Co/Service Mud Inc. Check #6 @ 4017' 11/13/21 02:20pm wt vis pH chl 9.1 54 11.0 3000 Filt LCM 8.0 4</p> <p>Mud-Co/Service Mud Inc. Check #7 @ 4050' 11/14/21 07:00am wt vis pH chl 9.2 59 10 3200 Filt LCM 8.8 3</p> <p>Mud-Co/Service Mud Inc. Check #8 @ 4181' 11/15/21 07:00am wt vis pH chl 9.2 58 11 3400 Filt LCM 8.0 3</p> <p>Mud-Co/Service Mud Inc. Check #9 @ 4230' 11/16/21 10:10am wt vis pH chl 9.2 61 9.5 4000 Filt LCM 9.6 2</p> <p>Mud-Co/Service Mud Inc. Check #10 @ 4328' 11/17/21 07:50am wt vis pH chl 9.4 73 9.5 4100 Filt LCM 10.4 2</p> <p>Mud-Co/Service Mud Inc. Check #11 @ 4556' 11/18/21 08:10am wt vis pH chl 9.4 56 11 2700 Filt LCM 6.4 3</p>

Displaced drilling



LS: cm/lt bm, vf-m xtal, silty/sndy, wht chert, foss frags/ool, ppt-f in-xtal por, no odor, ns.

LS: cm/lt bm, micro-f xtal, silty/sndy, smpl vry chalky, foss frags/grainy, ppt-f in-xtal por, no odor, ns.

LS: cm/lt gry/lt bm, micro-m xtal, vry silty/sndy, some chalky, pyritic, min wht chert, foss frags/fusln/grainy, no vis por, no odor, ns.

SH: lt-m gry/blk/red bm, some vry silty/sndy, carb, soft-firm. SS: lt gry, vf-f, slt carb, friable, no odor, ns.

SH: m-dk gry/blk, some silty, slt carb, soft-firm.

SS: lt gry, vf-f, slt carb, friable, no odor, ns.

SH: lt-dk gry/blk, vry silty, slt carb, soft-firm. SS: lt gry, vf-f, pred qtz, carb, friable.

LS: wht/cm/lt bm/lt gry, micro-f, some vry silty/sndy, chalky, foss frags, ppt-f in-xtal por, no odor, ns.

SH: lt-m gry, vry silty/sndy, carb, soft-firm. SS: lt gry, arg, vf-f, pred qtz, slt carb, friable.

LS: cm/lt gry, micro-f xtal, some silty/sndy, chalky, pyritic, dolomitic, foss frags/fusln/dense ool, 14 pcs w/f-m in-xtal w/sfo, dul yel fluor/cut, no odor, sfo.

LS: cm/lt bm, f-m xtal, silty/sndy, chalky, foss frags/abund ool, 43 pcs w/sfo w/f-crs oo-castic por, dul yel fluor gd odor, vgsfo.

LS: cm/lt-m bm, micro-m xtal, some silty/sndy, some chalky, wht/lt bm chert, foss frags/fusln/ool, 21 ool pcs w/sfo w/m-crs oo-castic por, dul yel fluor, gd odor, gsfo.

LS: cm/lt bm/lt gry, micro-m xtal, some silty/sndy, some chalky, wht/cm/lt gry chert, foss frags/fusln/ool, 16 pcs w/sfo w/f-m in-xtal and m-crs oo-castic por, dul yel fluor, no odor, gsfo.

LS: cm/lt bm/lt gry, micro-m, some vry silty/sndy/arg, some chalky, crm/lt gry chert, foss frags/fusln/ool, 9 pcs w/sfo w/ppt-f in-xtal por and m-crs oo-castic por, dul fluor, no odor, sfo.

SH: lt-dk gry/blk, silty/sndy, slt carb, soft-firm.

LS: wht/cm/lt-m bm/lt gry, vf-m xtal, silty/sndy, chalky, min wht chert, min pyritic, foss frags/fusln/ool, ppt-m in-xtal/in-ool por, no odor, ns.

LS: cm/lt-m bm/lt gry, micro-m xtal, vry silty/sndy/arg, min cm/lt bm chert, foss frags/fusln/ool, 3 pcs w/sfo w/f-m in-xtal por, dul yel fluor, no odor, sfo.

SH: lt-dk gry/blk/min red bm, some silty, slt carb, soft-firm.

LS: wht/cm/lt-m bm, micro-m xtal, some vry silty/sndy/arg, some chalky, wht/lt bm chert, foss frags/ool, 9 pcs w/staining and sfo, fcrs in-xtal/in-ool por, brit yel fluor, stg odor, sfo.

LS: cm/lt bm/lt gry, micro-m xtal, silty/sndy, chalky, foss frags/ool, 13 pcs w/staining/sfo w/f-m in-xtal/oo-castic por, brit yel fluor, gd odor, sfo.

LS: wht/cm/lt bm, micro-f xtal, some silty, chalky, min pyritic, min foss frags/fusln/ool, 2 pcs w/staining/sfo w/ppt-f in-xtal por, dul yel fluor, no odor, slt sfo.

LS: wht/cm/lt bm, micro-f xtal, chalky, min pyritic, min foss frags, no vis por, no odor, ns. 1 ool pce w/sfo in 60min assume from above.

SH: lt-dk gry/dk brn, silty, slt carb, soft-firm.

LS: cm, micro-f xtal, chalky, min silty/sndy, min foss frags, no vis por, no odor, sfo.

mud @ 3490' (~400 bbls).

Bit Trip @ 3710'
conn; replaced PDC bit with Tricone Button bit.

Pipe strap TOH for Bit Trip @ 3710'
was 0.38' long to board.

Lost circulation @ 3751, est 75-100 bbls.

Survey Record
Deg @ Ft
0.5 @ 269'
0.75 @ 2111'
0.75 @ 2613'
0.75 @ 3113'
0.5 @ 3710'
1.0 @ 4610'

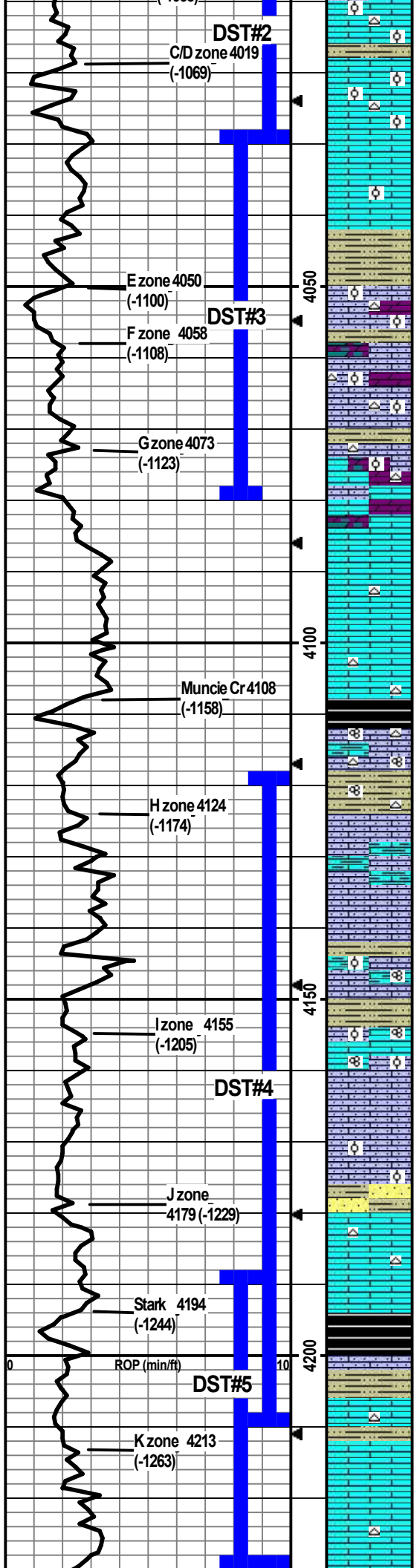
DST1) 3876-3980
Oread thru Toronto

10/30/30/60
1st) BOB blow at 3min; SB BB built to 1/4".
2nd) BOB blow at 5min; SB BB built to 4".
IFP 75-144#
ISIP 1152#
FFP 166-328#
FSIP 1148#
HP 1936-1870#
Recvd: 217' GIP, 161' GO (20%G, 80%O), 189' GOCM (10%G, 10%O, 80%M), 126' GOCMM (15%G, 5%O, 10%W, 70%M), 189' MCW (60%W, 40%M).

CFS @ 3980'
Stop/30"/60"

CFS @ 4000'
Stop/30"/60"

DST2) 3999-4030
Lansing B-zone
10/30/30/60
1st) BOB blow at 2.5min; SB BB built to 2.75".



LS: cm/lt bm, micro-f xtal, some chalky, min wht chert, min foss frags w/abund fn ool, 36 pcs w/sfo w/ppt-m in-xtal/in-ool por, brit yel fluor, gd odor, gd sfo.

LS: cm/lt bm, micro-f xtal, some chalky, min wht chert, min foss frags w/ool, 26 pcs w/sfo w/ppt-m in-xtal/in-ool/min oo-castic por, gd odor, brit yel fluor, gd sfo.

LS: cm/lt bm/lt gry, micro-f xtal, some chalky, min foss frags/min ool, 27 pcs w/staining/sfo, f-crs/vug in-xtal por, brit yel fluor, stg odor, gd sfo.

LS: cm/lt bm, micro-f xtal, some chalky, min foss frags, ~10% of smpl w/staining/sfo, brit yel fluor, m-crs/vug in-xtal por, stg odor, gd sfo.

SH: lt-dk gry/lt green-gry, vry silty/sndy, slit carb, soft-hard.

LS: cm/lt brn, micro-f, some chalky, some silty/sndy, slit dolomitic, wht/crm chert, min foss frags/ool, ~25% smpl w/sfo, dul yel fluor, f-crs in-ool/in-xtal por w/min oo-castic, stg odor, gd sfo. Mostly lt brn w/some dk brn oil.

LS: cm/lt brn, micro-m xtal, some chalky, silty/sndy, dolomitic, min foss frags/in ool, ~25-30% smpl w/sfo, dul yel fluor, lt brn-dk brn oil, gas bubbles, f-crs in-xtal por/in-ool por, strg odor, gd sfo.

LS: cm/lt brn, micro-f xtal, some silty/sndy, some chalky, some dolomitic, crm chert, min fn ool, ~10% smpl w/sfo, f-crs in-xtal por, stg odor, gd sfo.

LS: wht/crm, micro-f xtal, some chalky, some dolomitic, min foss frags, 4 lt brn dolo pcs w/staining and yel cut w/ppt-vf in-xtal por, no odor, ssfo.

LS: wht/crm/lt brn/lt gry, micro-m xtal, min wht chert, some vry chalky, foss frags, no vis por, no odor, ns. (3 pcs w/bm oil staining assume from above.)

LS: cm/lt brn/lt gry, micro-m xtal, chalky, lt brn/lt gry chert, foss frags, no vis por, no odor, ns.

SH: lt-dk gry/blk/red-brn, some vry silty, slit carb, soft-firm.

LS: cm/lt-m brn/lt gry, micro-m xtal, some chalky, some silty/sndy/arg, lt gry/lt brn chert, foss frags/fusln, mostly no vis por, 5 pcs w/sat brn staining w/fo on break, brit yel fluor/cut, slit odor, sfo.

LS: as above, w/1 pce w/sat staining assume from above.

LS: cm/lt-m brn, micro-m xtal, some silty/sndy/arg, some chalky, foss frags, 13 pcs w/staining/sfo, brit yel fluor, f-m in-xtal por, no odor, sfo.

SH: lt-dk gry/blk/min green-gry, some vry silty/sndy, slit carb, soft-firm.

LS: cm/lt brn/lt gry, micro-m xtal, some silty/sndy/arg, chalky, foss frags/fusln/min ool, 15 pcs w/staining/sfo, ppt-m in-xtal por, brit yel fluor, gd odor, sfo.

SH: lt-m gry/blk/maroon/red-brn, silty, carb, soft-firm.

LS: cm/lt-m brn/lt gry, micro-m xtal, some silty/sndy, some chalky, foss frags/fusln/ool, 14 pcs w/staining/sfo, some sat stained, brit yel fluor, f-m in-xtal/in-ool por, gd odor, sfo.

LS: cm/lt gry, micro-m xtal, some chalky, foss frags, 7 pcs w/staining w/ppt-f in-xtal por, dul yel fluor, slit crush odor, sfo.

LS: cm/lt brn/lt gry, micro-m xtal, chalky, some silty/sndy, foss frags/ool, 27 pcs w/staining/sfo wf-crs/vug in-xtal/in-ool por, dul yel fluor, gd odor, sfo.

SH: m-dk gry/blk/lt green-gry/brn, vry silty/sndy, slit carb, soft-firm. SS: brn/lt gry, f-m, sr-wr, friable.

LS: wht/crm/lt-m brn, micro-m xtal, chalky, silty, min lt gry/brn chert, foss frags, 12 pcs w/sfo wf-crs in-xtal por, dul yel fluor, mod odor, sfo.

SH: m-dk gry/blk/maroon/red-brn, silty/sndy, slit carb, firm, fissile.

LS: cm/lt brn/lt gry, micro-m xtal, some chalky, some silty, foss frags, 14 pcs w/staining/sfo w/ppt-m in-xtal por, dul yel fluor/cut, gd odor, sfo.

SH: lt-dk gry/blk/green-gry/brn, some vry silty/sndy, slit carb, firm, fissile.

LS: cm/lt-m gry/lt brn, micro-m xtal, some chalky, min lt gry chert, foss frags, 7 pcs w/sfo w/ppt-crs in-xtal por, dul yel fluor, gd odor, gd sfo.

LS: cm/lt-m brn, micro-m xtal, some chalky, foss frags, 18 dk brn pcs w/sfo, f-crs in-xtal por, brit yel fluor, gd odor, gsfo. (Smpl flood of multi-color SH).

LS: wht/crm/lt gry w/gry mottling, micro-m xtal, smpl vry chalky, min wht/lt gry chert, foss frags, 10 gry pcs w/staining/sfo, brit yel fluor, vf-m in-xtal por, gd odor, sfo.

2nd) BOB blow at 4.5 min; BB BOB in 6 min.
 IFP 45-90#
 ISIP 1224#
 FFP 100-225#
 FSIP 1209#
 HP 2012-1915#
 Recvd: 1419' GIP, 282' GO (20%G, 80%O), 126' MGO (50%G, 30%O, 20%M), 126' GOM (50%G, 20%O, 30%M).

CFS @ 4030'
 Stop/30"/60"

CFS @ 4050'
 Stop/30"/60"

CFS @ 4080'
 Stop/30"/60"

DST3) 4028-4080
Lansing
C/D/E/F-zones

10/20/20/30
 1st) BOB blow at 1min; 1/4" BB built to 7.75".
 2nd) BOB blow at 2min; 1/4" BB built to 4.75".
 IFP 115-212#
 ISIP 1217#
 FFP 218-411#
 FSIP 1204#
 HP 2093-1958#
 Recvd: 1103' GIP, 94' GO (10%G, 90%O), 630' MGO (30%G, 50%O, 20%M), 189' GOWM (10%G, 30%O, 20%W, 40%M), 126' MW (90%W, 10%M).

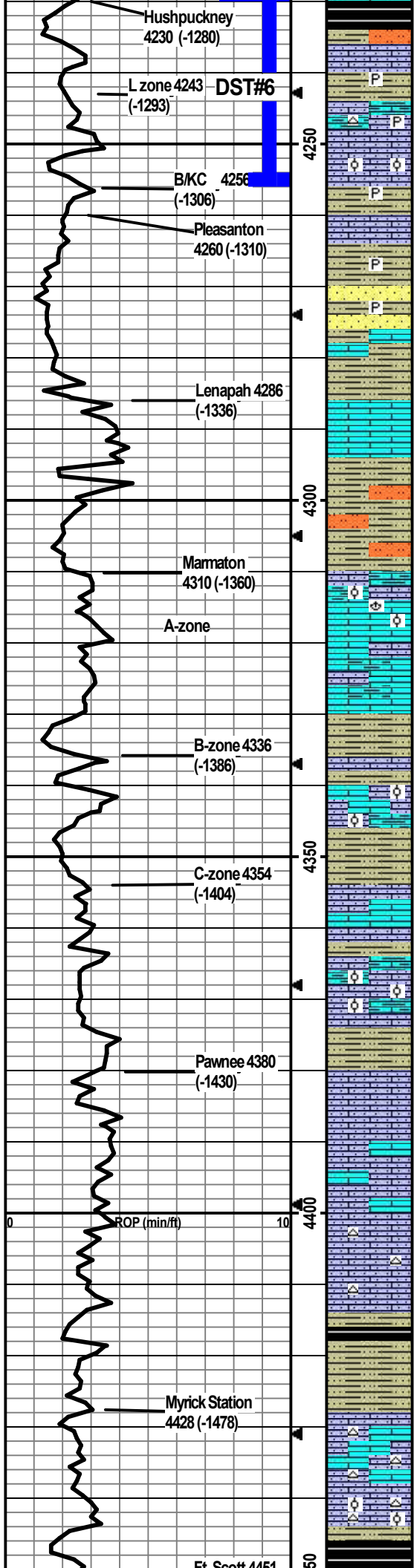
CFS @ 4160'
 Stop/30"/60"

DST4) 4118-4210
Lansing H, I & J-zones

10/20/20/30
 1st) BOB blow at 5min; SB BB built to 1/2".
 2nd) BOB blow at 30secs; SB BB built to 3/4".
 IFP 36-51#
 ISIP 1295#
 FFP 47-83#
 FSIP 1287#
 HP 2126-2010#
 Recvd: 1166' GIP, 94' GOCM (10%G, 20%O, 70%M), 63' GOCM (20%G, 20%O, 60%M).

CFS @ 4210'
 Stop/30"/60"

CFS @ 4230'
 Stop/30"/60"



SH: lt-dk gry/blk/min lt green-gry/dk maroon, some vry silty, silt carb, firm; no odor, ns.
 LS: cm/lt bm/lt gry, micro-m xtal, some silty/sndy, foss frags, no vis por, no odor, ns.
 SH: lt-dk gry/blk/red-brn/green-gry, some vry silty, silt pyritic, soft-firm.
 LS: cm/lt-m brn/lt gry, micro-m xtal, silty/sndy/arg, lt brn chert, chalky, min pyritic, foss frags, no vis por, no odor, ns.
 LS: cm/lt bm/lt gry, micro-m xtal, silty/sndy, chalky, foss frags/ool, 7 pcs w/staining/sfo w/vf-m in-xtal/in-ool por, brit yel fluor, gd odor, sfo.
 SH: m-dk gry/blk/gry-brn, some vry silty, some pyritic, carb, soft-firm.
 LS: cm/lt gry, micro-m xtal, some vry silty/sndy, some chalky, min foss frags, 1 pcs w/sfo w/m-crs in-xtal por, no odor, brit yel fluor, sfo.
 SH: lt-dk gry/dk brn/blk/maroon/lt green-gry, some vry silty/sndy, silt carb, pyritic, firm-hard.
 SS: lt gry, vf, sr-wr, pred qtz, silt carb, 3 pcs w/sfo, dul yel fluor, fo on crush, no odor.
 SH: lt-dk gry/brn/red-brn, vry silty/sndy, silt pyritic, carb, soft-firm. SS: lt gry/lt red-brn/brn, vf, sr-wr, some arg, carb, friable, 19 pcs w/sfo, dul yel fluor, 30min no odor. 60min LS: cm/lt gry, micro-m xtal, min foss frags, 9 pcs w/sfo w/f-crs in-xtal por, dul-brit yel fluor, silt odor; 3 pcs SS as above w/sfo.
 SH: lt-m gry/blk/maroon/lt green-gry/brn, silty/sndy, carb, soft-firm.
 LS: cm/lt bm/lt gry, micro-m xtal, chalky, foss frags, no vis por, no odor, ns.
 SH: lt-dk gry/blk/red-brn, vry silty/sndy, carb, soft-firm. Siltstn: red-brn, vf, arg, friable, no odor, ns.
 LS: wht/cm/lt gry/lt bm, micro-m xtal, some bm SH mottling, some vry silty/sndy, some vry chalky, foss frags/dense ool/brac, no vis por, no odor, ns.
 LS: cm/lt-m bm/lt gry, micro-m xtal, chalky, some silty/arg w/red mottling, foss frags, no vis por, no odor, ns.
 SH: m-dk gry/blk/red-brn, some vry silty, silt carb, firm.
 LS: cm/lt bm, micro-f xtal, chalky, silty, no vis por, no odor; 1 pcs w/staining, yel cut on break, ppt por.
 LS: cm/lt-m bm, micro-m xtal, some silty, some chalky, foss frags/dense ool, no vis por, no odor, ns.
 SH: lt-dk gry/blk/red-brn/mustard yel, some silty, silt carb, firm.
 LS: cm/lt bm/lt gry, micro-m xtal, some silty/chalky, foss frags, no vis por, no odor, ns.
 SH: lt-dk gry/blk/green-gry/maroon, silty, silt carb, firm.
 LS: cm/lt bm, micro-m xtal, some chalky/silty/arg, foss frags/min dense ool, no vis por, no odor, ns.
 SH: lt-dk gry/min gry-green/lt bm/mustard yel, some vry silty/sndy, silt carb, soft-firm.
 LS: cm/lt bm/lt gry, micro-m xtal, silty/chalky, foss frags, no vis por, no odor, ns.
 LS: cm/min lt-m bm, micro-m xtal, some silty, some chalky, min foss frags, no vis por, no odor, ns.
 LS: cm/lt bm, micro-m xtal, some chalky/silty, min lt gry/lt bm chert, foss frags/some grainy, mostly dense, 2 pcs w/sfo, ppt-m in-xtal por, brit yel fluor, no odor, ssfo.
 SH: dk gry/blk, silty, silt carb, firm, fissile.
 SH: dk gry/blk/red-brn, some vry silty/sndy, silt carb, soft-firm.
 LS: cm/lt-dk bm, micro-m xtal, some chalky/silty, lt gry/lt bm chert, foss frags/grainy, no vis por, no odor, ns.
 60min smpl: 7 pcs w/sfo, f-m in-xtal por, brit yel fluor, silt odor, sfo.
 LS: cm/lt-m bm, micro-m xtal, some silty, chalky, lt gry/lt bm chert, foss frags/dense ool, no vis por, no odor, ns.
 SH: m-dk gry/blk, some silty, silt carb, soft-firm.

**DST5) 4188-4230
Lansing K-zone**

10/20/20/30
 1st) BOB blow at 4min; SB BB built to 1/2".
 2nd) BOB blow at 6min; SB BB built to 1.75".
 IFP 58-142#
 ISIP 1103#
 FFP 153-278#
 FSIP 1009#
 HP 2120-2053#
 Recvd: 126' GIP, 166' OCMW (5%O, 30%M, 65%W), 252' GOWM (10%G, 5%O, 35%W, 50%M), 126' MW (10%M, 90%W).

CFS @ 4280'
 Stop/30"/60"

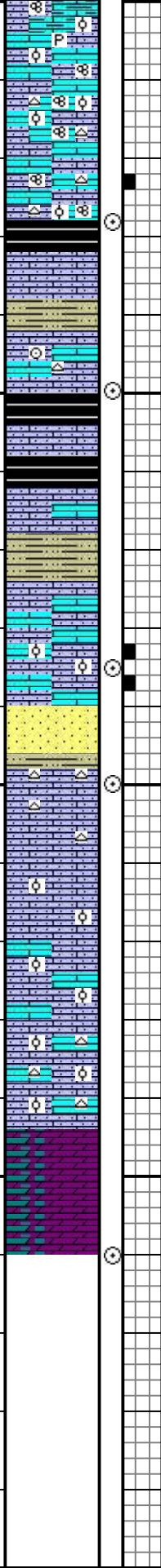
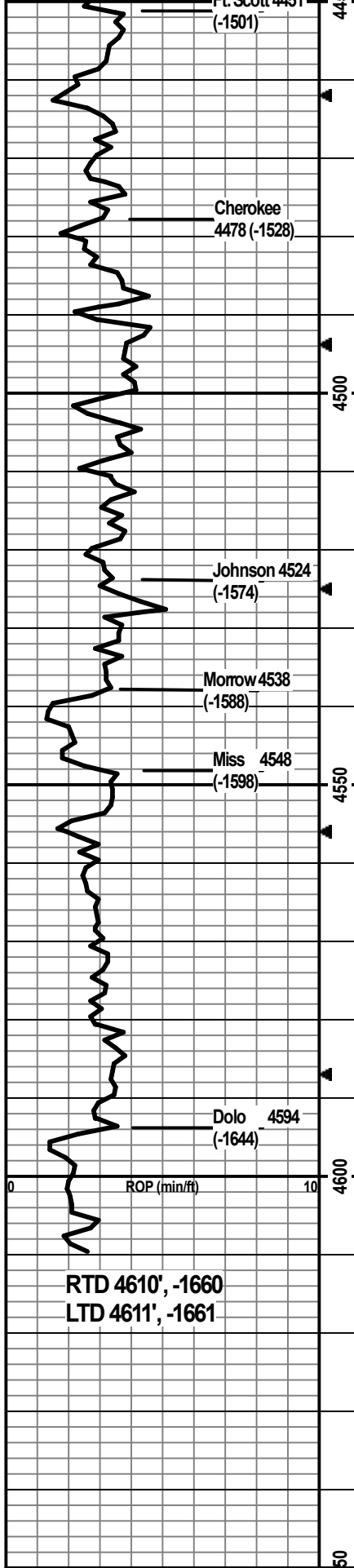
**DST6) 4228-4255
Lansing L-zone**

15/30/30/30
 1st) 1/4" blow built to 5.25"; no BB.
 2nd) BOB blow in 7min; SB BB.
 IFP 28-32#
 ISIP 1246#
 FFP 34-43#
 FSIP 1277#
 HP 2134-2067#
 Recvd: 315' GIP, 63' OGM (10%O, 20%G, 70%M).

CFS @ 4328'
 Stop/30"/60"

CFS @ 4348'
 Stop/30"/60"

CFS @ 4440'
 Stop/30"/60"



LS: cm/lt-m bm, micro-m xtal, some chalky/silty/sndy/arg, min pyritic, foss frags/fusln/dense ool, no vis por, no odor, ns.

LS: cm/lt-m bm, micro-m xtal, some silty, chalky, wht/lt bm chert, foss frags/fusln/dense ool, no vis por, no odor, ns.

LS: cm/lt-m xtal, silty/chalky, wht/lt-dk bm chert, foss frags/fusln/ool, no vis por, no odor, 30min: 3 pcs w/staining in ppt-f in-xtal por, brit yel fluor; 60min 1 ool pce w/staining wfo on break poss from above.

SH: dk gry/blk, slt silty, slt carb, firm, fissile.

LS: cm/lt-dk bm, micro-m xtal, chalky, silty, lt gry/lt bm chert, foss frags/dense ool, no vis por, no odor, ns.

SH: lt-m gry/lt green-gry, some vry silty/sndy, carb, soft-firm, fissile.

LS: cm/lt-m bm, micro-m xtal, some silty/sndy, chalky, min lt bm chert, foss frags/crin, no vis por, no odor, ns.

SH: lt-dk gry/blk/bm, some vry silty, carb, soft-firm.

LS: cm/lt-m bm, micro-m xtal, some silty/sndy, chalky, foss frags, no vis por, no odor, ns.

LS: cm/lt gry-bm/lt-m bm, micro-f xtal, some silty/chalky, min foss frags, no vis por, no odor, ns.

SH: lt-m gry, vry silty, slt carb, soft-firm.

SH: lt-m gry/lt green-gry/maroon/mustard yel, vry silty, slt carb, soft-firm.

LS: cm/lt-m bm/lt gry, micro-m xtal, some silty/chalky, min foss frags, no vis por, no odor, ns.

LS: cm/lt-m brn, micro-m xtal, some silty/chalky, min foss frags/min ool, 3 pcs sfo w/f-m in-xtal/in-ool por, brit yel fluor, no odor, ssfo. 4 pcs in 60min wsfo.

LS: cm/lt-m bm, micro-m xtal, some silty/sndy/chalky, min foss frags, 5 pcs w/sfo w/ppt-f in-xtal por, brit yel fluor, no odor, sfo.

SS: wht/lt green, vff grained, sr-wr, some hard non-friable, some friable, ns. 4 pcs LS w/sfo (poss from above), some lt orange chert. Some SH: lt-dk gry/mustard yel/green-gry/maroon. 30min smpl has slt odor under scope light heat.

LS: cm/lt yel, f-m xtal, vry sndy/chalky, lt orange chert, no vis por, no odor, ns. Flood of SH: as above; few SS clusters as above.

LS: cm/lt bm/lt yel-bm, f-m xtal, sndy/chalky, oolitic, no vis por, no odor, ns. Cont flood of SH as above.

LS: wht/cm/lt bm/lt yel-bm, micro-m xtal, some vry sndy/chalky, oolitic, no vis por, no odor, ns.

LS as above w/lt orange chert, no odor, ns.

Dolo: lt-m bm, vf grained, silty/sndy, ppt-vf in-xtal por, no odor, ns.

TD @4610'

CFS @ 4478'
Stop/30"/60"

CFS @ 4500'
Stop/30"/60"

CFS @ 4535'
Stop/30"/60"

CFS @ 4550'
Stop/30"/60"

CFS @ 4610'
Stop/30"/60"
Did 15 std wiper trip, then CTCH 1.5 hr, then TOH for logging.

RTD 4610', -1660
LTD 4611', -1661

SWIFT



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



Invoice

DATE	INVOICE #
11/8/2021	34082

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

RECEIVED
NOV 19 2021

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-27	Cale	Gove	Duke Rig #5	Oil	Development	Shallow Surface	David E
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.)				1	Job	1,000.00	1,000.00
290	D-Air				2	Gallon(s)	42.00	84.00T
325	Standard Cement				170	Sacks	14.50	2,465.00T
279	Bentonite Gel				3	Sack(s)	30.00	90.00T
278	Calcium Chloride				8	Sack(s)	40.00	320.00T
276	Flocele				50	Lb(s)	3.00	150.00T
581D	Service Charge Cement				170	Sacks	2.00	340.00
583D	Drayage				669	Ton Miles	1.00	669.00
	Subtotal							5,598.00
	Sales Tax Gove County						8.50%	264.27

INT

502-5
9m

We Appreciate Your Business!

Total \$5,862.27

BW



CHARGE TO: **SHAKESPEAR**
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET **34082**

PAGE **1** OF

SERVICE LOCATIONS
 1. **HAYS KS**
 2. **Ness City ks**
 3.
 4. REFERRAL LOCATION

WELL/PROJECT NO. **1-27**
 LEASE **CALE**
 COUNTY/PARISH **Gove**
 STATE **Ks**
 CITY

TICKET TYPE
 SERVICE
 SALES
 CONTRACTOR **Duke**
 RIG NAME/NO. **R.C. 5**
 SHIPPED VIA **TR**
 DELIVERED TO **LOCATION**
 WELL PERMIT NO.

WELL TYPE **oil**
 WELL CATEGORY **Development**
 JOB PURPOSE **SHALLOW SURF.**
 WELL LOCATION

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			6.50	480.00
576 S		1		MILEAGE TRK # 111						
290		1		PUMP CHARGE - SHALLOW SURF.	1	EA			1000.00	1000.00
				D-Air	2	bag			42.00	84.00
325		2		STANDARD CEMENT	170	SK			14.50	2465.00
279		2		BENTONITE GEL	3	SK			30.00	90.00
278		2		CALCIUM CHLORIDE	8	SK			40.00	320.00
276		2		FLOCCLE	50	lbs			3.00	150.00
581		2		SERVICE CHARGE CMT	170	SK			2.00	340.00
583		2		DRAYAGE	667	TM			1.00	667.00

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

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

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?
 YES NO
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL **5598.00**

TOTAL **5862.27**

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

SWIFT OPERATOR _____ APPROVAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 11/8/21 PAGE NO.

CUSTOMER Shakespeare WELL NO. 1-27 LEASE CALE JOB TYPE SHALLOW SURF TICKET NO. 34082

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							ON location
								8 5/8
								Rtd - 267
								Pipe - 269
								Break Circ on Btm
		4.5	10			200		pump with space
		4.5	42			200		pump cmt - 170 sq @ 147 PPG
		4.5	16			200		Disp
	1530							END DISP
								Circulated 50 sq cmt
								JOB COMPLETE
								THANKS
								DAVID JOE & JOHN

SWIFT



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



Invoice

DATE	INVOICE #
11/19/2021	35303

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

RECEIVED
NOV 29 2021

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-27	Cale	Gove	Duke Rig #5	Oil	Development	Long String	Jonathan
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
290	D-Air				4	Gallon(s)	42.00	168.00T
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
419-5	5 1/2" Rotating Head Rental				1	Each	250.00	250.00T
325	Standard Cement				225	Sacks	14.50	3,262.50T
284	Calseal				11	Sack(s)	40.00	440.00T
283	Salt				1,200	Lb(s)	0.25	300.00T
292	Halad 322				200	Lb(s)	8.50	1,700.00T
276	Flocele				25	Lb(s)	3.00	75.00T
277	Gilsonite (Coal Seal)				1,050	Lb(s)	1.25	1,312.50T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				955	Ton Miles	1.00	955.00
	Subtotal							11,693.00
	Sales Tax Gove County						8.50%	706.18
We Appreciate Your Business!						Total		\$12,399.18

INT

502-5
jm

DW



PO Box 466
Ness City, KS 67560
Of: 785-798-2300

TICKET CONTINUATION

TICKET No. 35303

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	WELL			UNIT PRICE		AMOUNT
		LOC	ACCT			QTY	UM	QTY	UM	UNIT PRICE	
325		1			Standard Cement	225	SKS	14	50	3262.50	
284		1			Calseal	11	SKS	40	00	440.00	
283		1			Salt	1200	lbs	0	25	300.00	
292		1			Halqd 322	200	lbs	8	50	1700.00	
277		1			Colsonite	1050	lbs	1	25	250.00	
276		1			Flocele	25	lbs	3	00	75.00	
277		1			GILSONDE	1050	lbs	1	25	1312.50	
581		1			Cement	225	SKS	2	00	450.00	
583		1				955		1	00	955.00	
SERVICE CHARGE MILEAGE CHARGE TOTAL WEIGHT 23875 LOADED MILES 80						CUBIC FEET 225 SKS		TON MILES 955		450.00 955.00	

CONTINUATION TOTAL

8495.00

JOB LOG

SWIFT Services, Inc.

DATE
11/19/21

PAGE NO.
1

CUSTOMER *Shale Spore Oil* WELL NO. *1-27* LEASE *Cole* JOB TYPE *Long String* TICKET NO. *35303*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							On location w/ Cont. Setup Trucks
								Total Pipe - 4613.13 Shoe JT - 42.13 Baffle Plate - 4570.83 Port Collar - 2427 15.5# x 5 1/2
	1350							Company Float Equipment Break Circulation on Bottom
	1520							Hook up to Swift
		4	12				500	Pump Mud flush
		4	20				500	Pump KCL spacer
		2	7					Plug Rat hole
		2	3					Plug Mousehole
		4					400	Start Cont - EA2 Mix @ 15.5# w/o gilsonite + floccle - 75 SKS
			18				200	Start EA2 w/ Floccle + gilsonite
			44				Vac	Finish Cont 150 SKS
	1605							Drop Plug
			3					Wash out Pump + Lines
		6 1/4	10 1/4				Vac	Start Displacement
			81				400	Catch Cont
							800	Lift
	1620		109				1500	Land
								Release Truck, Held
								Wash up
								Rack up
	1700							Job Complete
								Thanks Jon, Preston, Wayne, Dusty

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
11/22/2021	35305

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

RECEIVED

DEC 06 2021

- Acidizing
- Cement
- Tool Rental

INT

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-27	Cale	Gove	Cheyenne Well	Oil	Development	Cement Port Collar	Jonathan

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	80	Miles	6.00	480.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & <u>Port Collars</u>	1	Job	1,500.00	1,500.00
290	D-Air	4	Gallon(s)	42.00	168.00T
275	Cotton Seed Hulls	1	Sack(s)	35.00	35.00T
330	Swift Multi-Density Standard (MIDCON II)	250	Sacks	18.00	4,500.00T
276	Flocele	50	Lb(s)	3.00	150.00T
581D	Service Charge Cement	275	Sacks	2.00	550.00
583D	Drayage	1,094.64	Ton Miles	1.00	1,094.64
	Subtotal				8,477.64
	Sales Tax Gove County			8.50%	412.51

502-5
am

We Appreciate Your Business!

Total

\$8,890.15

Daw



CHARGE TO: *Shakespeare Oil Co*
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 35305

PAGE 1 OF 1

SERVICE LOCATIONS
 1. *Hays, KS*
 2. *Ness City, KS*
 3.
 4.

WELL/PROJECT NO. *1-27*
 LEASE *Cole*
 COUNTY/PARISH *Cove*
 CITY
 STATE *KS*
 SHIPPED VIA *GT*
 DELIVERED TO *location*
 WELL PERMIT NO.

TICKET TYPE SERVICE SALES
 CONTRACTOR *Cheyenne Well Service*
 WELL TYPE *Oil*
 WELL CATEGORY *Development*
 JOB PURPOSE *Cement Port Collar*
 INVOICE INSTRUCTIONS

REFERRAL LOCATION
 DATE *11/22/21*
 ORDER NO.
 OWNER *Same*
 WELL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMC
		LOC	ACCT							
575	1			MILEAGE # 113	80	mi			6.00	480.00
576D	1			Pump Charge - Port Collar			1	EA	1500.00	1500.00
290	1			D-Air	4	gal			42.00	168.00
275	1			Cotton Seed Hulls	1	SK			35.00	35.00
330	2			Swift Multi-Density Standard	250	SKS			18.00	4500.00
276	2			Flocele	50	lbs			3.00	150.00
581	2			Service Charge Cement	275	SKS			2.00	550.00
583	2			Drayage	1094.647M				1.00	1094.65

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

SURVEY PERFORMED
 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? YES NO
 CUSTOMER DID NOT WISH TO RESPOND

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

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.

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

TOTAL 8477.65

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

SWIFT OPERATOR *[Signature]* APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 11/22/21 PAGE NO. 1

CUSTOMER Shakespeare Oil Co WELL NO. 1-27 LEASE Cale JOB TYPE Port Collar TICKET NO. 35305

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1045							On location w/275 SKS SMD cmt Set up trucks
								2 3/8 x 5 1/2" - 15.5# Port Collar - 2427'
							1000	Test P.C. to 1000 psi - Held Open, Port Collar
		3	4				350	Get Injection Rate - 1
		3						Good Blow From Backside.
		3					350	Start Cement mix @ 11.2 ppg
		3	5				350	Good Circulation
		3	93				600	Cement Circulating, Raise wt to 4#
		3	103				600	Finish Cement, start Displacement
		3	111					Finish Displacement, shut Down, Close Port Collar
								Test to 1000 PSI - Held. Run 5 JTS,
		4	25				250	Reverse Out - 2 Flags - Clear Wash up Rack up
	1315							Job Complete
								Thanks Jon, Joe, Mark
								20 SKS to Pit 250 SKS total.

SWIFT



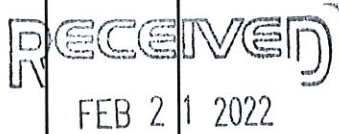
P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300

Invoice

DATE	INVOICE #
2/11/2022	35768

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-27	Cole	Gove	Wild West	Oil	Development	Perf Squeeze	David E
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
578D-D	Pump Charge - Deep Squeeze (> 1500 Ft.)				1	Job	1,500.00	1,500.00
290	D-Air				1	Gallon(s)	42.00	42.00T
325	Standard Cement				50	Sacks	14.50	725.00T
581D	Service Charge Cement				50	Sacks	2.00	100.00
582D	Minimum Drayage Charge				1	Each	300.00	300.00
	Subtotal							3,147.00
	Sales Tax Gove County						8.50%	65.20
								
<p>502-19 AM</p>								
We Appreciate Your Business!							Total	\$3,212.20 ✓

DW

JOB LOG

SWIFT Services, Inc.

DATE 2/11/22 PAGE NO.

CUSTOMER SHAKESPEARE WELL NO. 1-27 LEASE COLE JOB TYPE Perf SQZ TICKET NO. 35768

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	900							ON LOCATION
								2 3/8 x 5 1/2
								PERFS - 4217 - 20
								PKR - 4119
						500		LOAD BACKSIDE & Psi up
		1.5				1000		Take injection RATE
		1.5	13			1000		PUMP CMT - 50 SX @ 15.5 PPM
								WASH p# L
			0					START DISP
			5.5			2000		STAGE . 5 BBL OUT
		2.5	45					Release psi - DM
								Reverse out & WASH through
								Squeeze 4 JTS
								pull 6 JTS
						500		Pressure up & SHUT IN -
								Holding
								JOB COMPLETE
								THANKS
								DAVID, SETH & ISAAC