



DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

Scott Community #1-3

3-16s-34w Scott,KS

Start Date: 2017.06.21 @ 20:47:15

End Date: 2017.06.22 @ 06:07:00

Job Ticket #: 63745 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.06.26 @ 10:07:30



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co.

3-16s-34w Scott,KS

202 W Main St.
Salem IL 62881

Scott Community #1-3

ATTN: Tim Priest

Job Ticket: 63745

DST#: 1

Test Start: 2017.06.21 @ 20:47:15

GENERAL INFORMATION:

Formation: **Marmaton A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:01:00

Time Test Ended: 06:07:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: 4392.00 ft (KB) To 4465.00 ft (KB) (TVD)

Reference Elevations: 3094.00 ft (KB)

Total Depth: 4465.00 ft (KB) (TVD)

3083.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6749 Outside

Press@RunDepth: 597.48 psig @ 4460.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.21

End Date:

2017.06.22

Last Calib.:

2017.06.22

Start Time: 20:47:15

End Time:

06:07:00

Time On Btm:

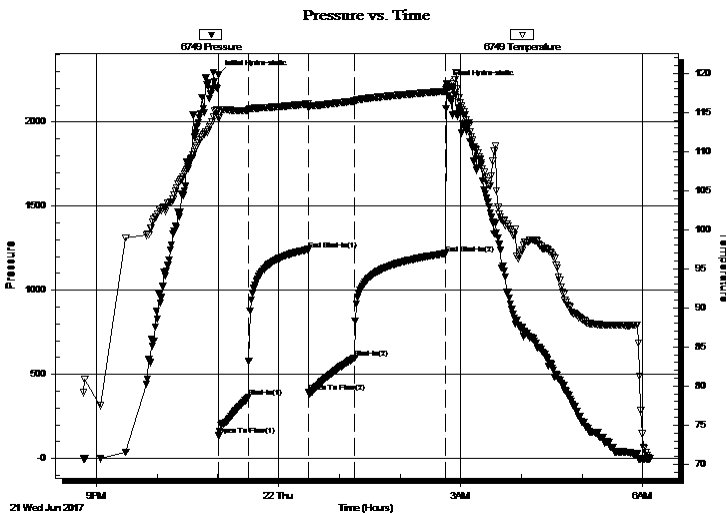
2017.06.21 @ 23:00:45

Time Off Btm:

2017.06.22 @ 02:46:15

TEST COMMENT: IF:BOB in 4 min.
IS:BOB in 28 min. and died back to 7" blow
FF:BOB in 1 min.
FS:Built to 6" blow and died in 70 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2278.73	115.34	Initial Hydro-static
1	135.52	114.31	Open To Flow (1)
30	362.93	115.25	Shut-In(1)
89	1242.16	116.09	End Shut-In(1)
89	392.08	115.66	Open To Flow (2)
135	597.48	116.46	Shut-In(2)
225	1218.67	117.71	End Shut-In(2)
226	2224.59	118.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
233.00	gcom 10%g 20%o 70%m (collars)	1.15
682.00	gco 20%g 80%o	9.57
562.00	gco 30%g 70%o	7.88

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

3-16s-34w Scott,KS

202 W Main St.
Salem IL 62881

Scott Community #1-3

Job Ticket: 63745

DST#: 1

ATTN: Tim Priest

Test Start: 2017.06.21 @ 20:47:15

Tool Information

Drill Pipe:	Length: 4165.00 ft	Diameter: 3.80 inches	Volume: 58.42 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 233.00 ft	Diameter: 2.25 inches	Volume: 1.15 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 59.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	4392.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	89.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4377.00	
Shut In Tool	5.00			4382.00	
Hydraulic tool	5.00			4387.00	
Packer	5.00			4392.00	16.00 Bottom Of Top Packer
Packer - Shale	0.00			4392.00	
Stubb	1.00			4393.00	
Perforations	2.00			4395.00	
Change Over Sub	1.00			4396.00	
Drill Pipe	63.00			4459.00	
Change Over Sub	1.00			4460.00	
Recorder	0.00	8672	Inside	4460.00	
Recorder	0.00	6749	Outside	4460.00	
Bullnose	5.00			4465.00	73.00 Anchor Tool

Total Tool Length: 89.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

3-16s-34w Scott,KS

202 W Main St.
Salem IL 62881

Scott Community #1-3

Job Ticket: 63745

DST#: 1

ATTN: Tim Priest

Test Start: 2017.06.21 @ 20:47:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.74 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
233.00	gcom 10%g 20%o 70%m (collars)	1.146
682.00	gco 20%g 80%o	9.567
562.00	gco 30%g 70%o	7.883

Total Length: 1477.00 ft Total Volume: 18.596 bbl

Num Fluid Samples: 0

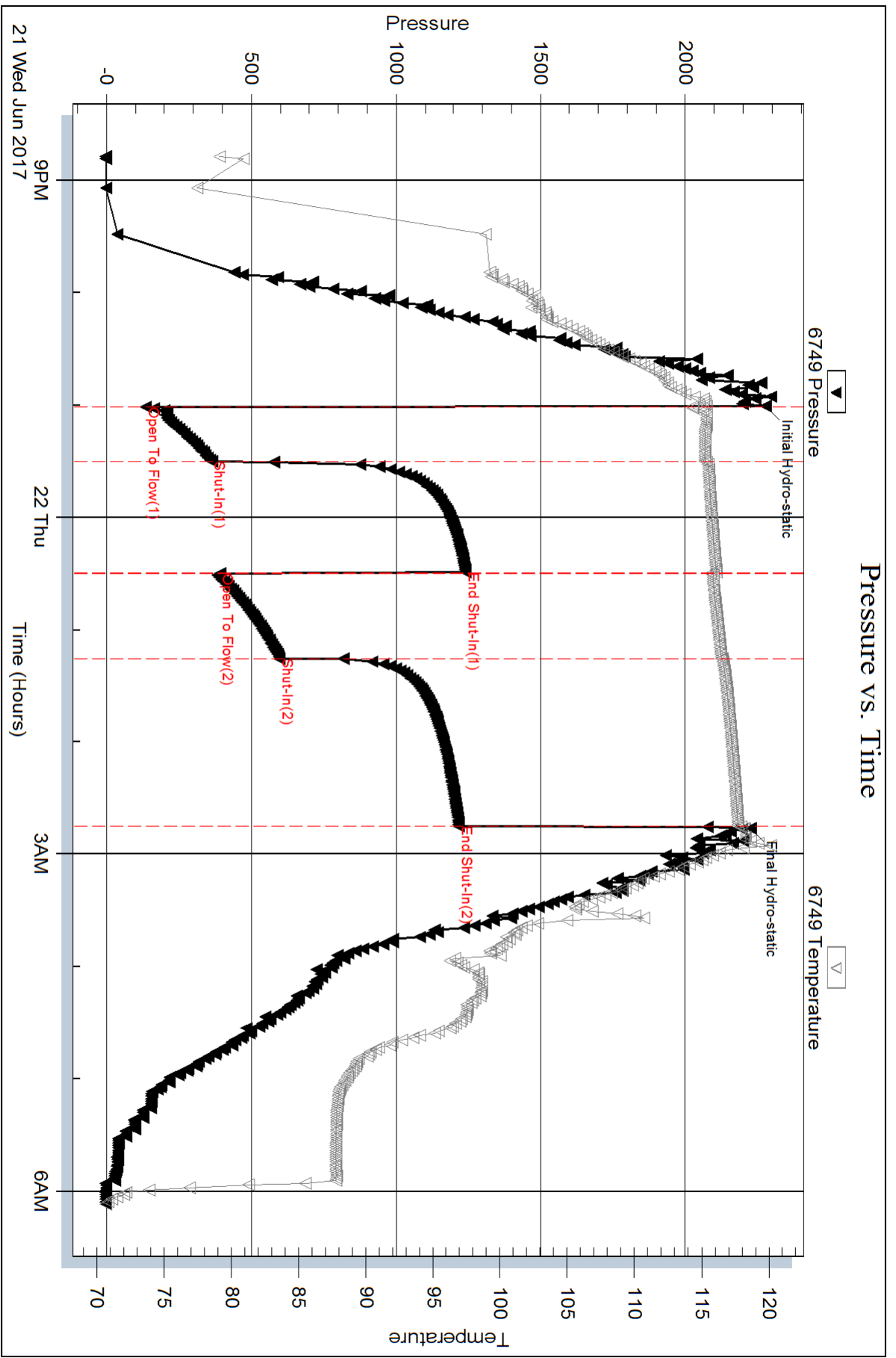
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 31 @ 60 corrected to 31



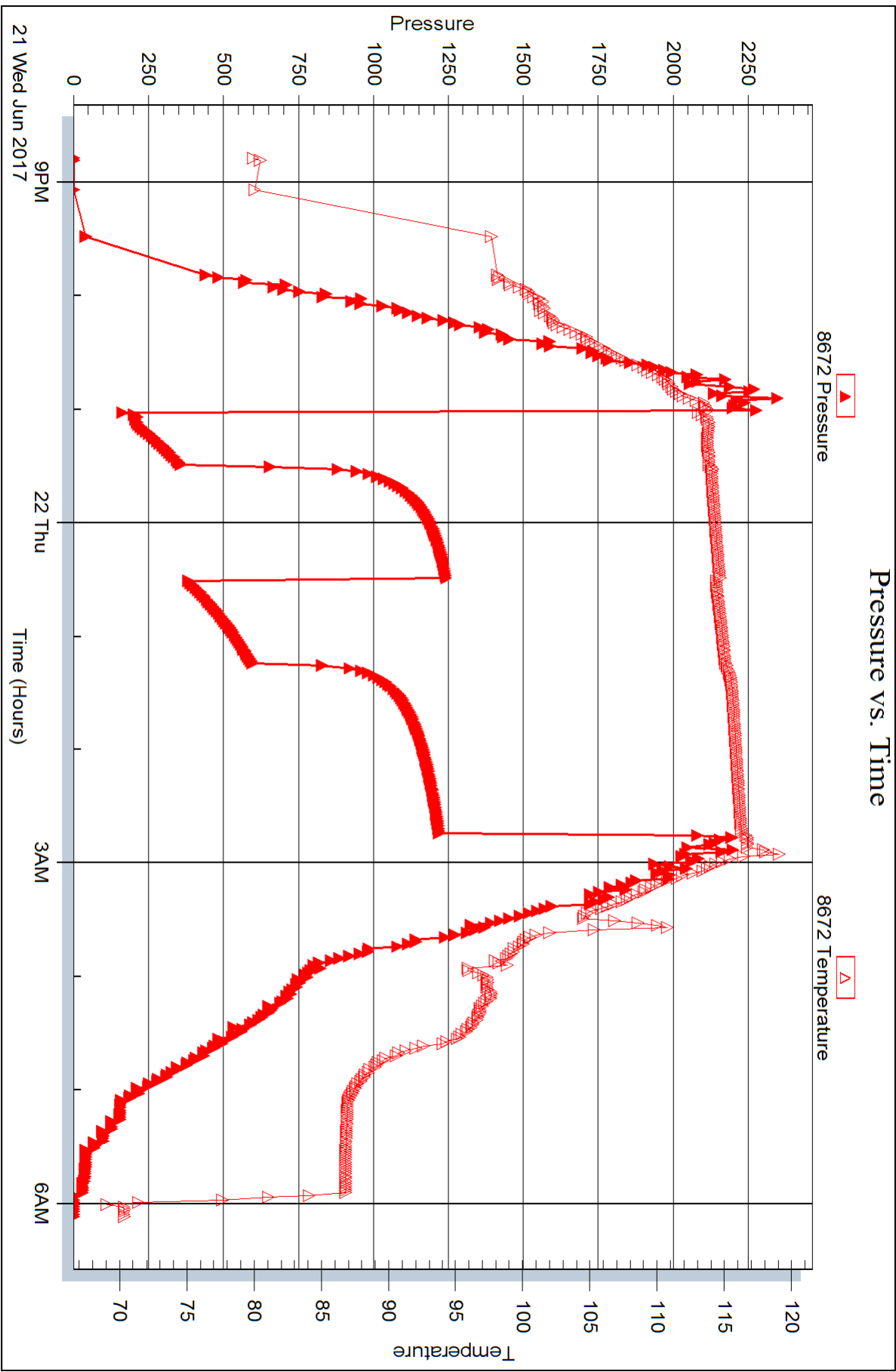
Serial #: 8672

Inside

Shakespeare Oil Co.

Scott Community #1-3

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

Scott Community #1-3

3-16s-34w Scott,KS

Start Date: 2017.06.22 @ 17:02:15

End Date: 2017.06.22 @ 22:48:30

Job Ticket #: 63746 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.06.26 @ 10:07:09



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co.

3-16s-34w Scott,KS

202 W Main St.
Salem IL 62881

Scott Community #1-3

ATTN: Tim Priest

Job Ticket: 63746

DST#: 2

Test Start: 2017.06.22 @ 17:02:15

GENERAL INFORMATION:

Formation: **Marmaton B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:57:30

Time Test Ended: 22:48:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4456.00 ft (KB) To 4510.00 ft (KB) (TVD)

Reference Elevations: 3094.00 ft (KB)

Total Depth: 4510.00 ft (KB) (TVD)

3083.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6749

Outside

Press@RunDepth: 107.45 psig @ 4495.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.22

End Date:

2017.06.22

Last Calib.: 1899.12.30

Start Time: 17:02:15

End Time:

22:48:30

Time On Btm: 2017.06.22 @ 18:57:00

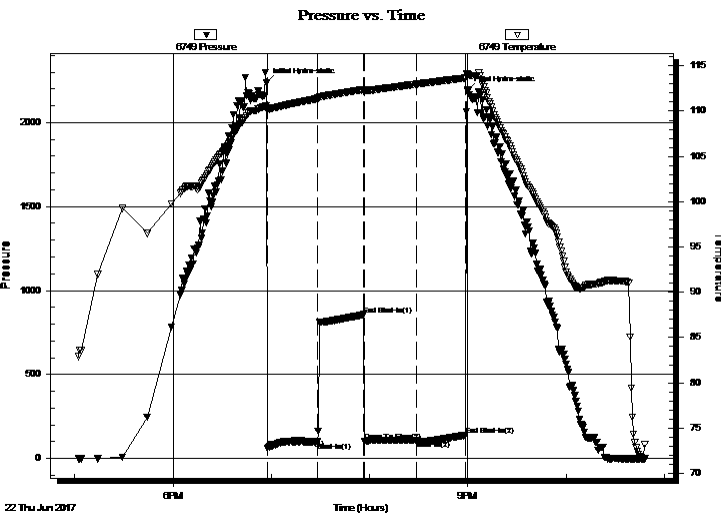
Time Off Btm: 2017.06.22 @ 20:59:45

TEST COMMENT: IF: Built to 1 1/2" blow died in 25 min.

IS: No return blow

FF: No blow

FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.17	110.63	Initial Hydro-static
1	62.28	110.05	Open To Flow (1)
32	97.14	111.38	Shut-In(1)
60	856.61	112.38	End Shut-In(1)
60	101.10	112.05	Open To Flow (2)
92	107.45	112.98	Shut-In(2)
122	139.06	113.66	End Shut-In(2)
123	2193.09	114.10	Final Hydro-static

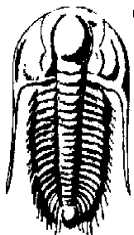
Recovery

Length (ft)	Description	Volume (bbl)
180.00	mud 100% m	0.89

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

3-16s-34w Scott,KS

202 W Main St.
Salem IL 62881

Scott Community #1-3

ATTN: Tim Priest

Job Ticket: 63746 **DST#: 2**

Test Start: 2017.06.22 @ 17:02:15

GENERAL INFORMATION:

Formation: **Marmaton B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:57:30

Time Test Ended: 22:48:30

Interval: 4456.00 ft (KB) To 4510.00 ft (KB) (TVD)

Total Depth: 4510.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Reference Elevations: 3094.00 ft (KB)

3083.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8672

Inside

Press@RunDepth: psig @ 4495.00 ft (KB)

Start Date: 2017.06.22

End Date:

2017.06.22

Start Time: 17:02:15

End Time:

22:48:15

Capacity: 8000.00 psig

Last Calib.:

2017.06.22

Time On Btm:

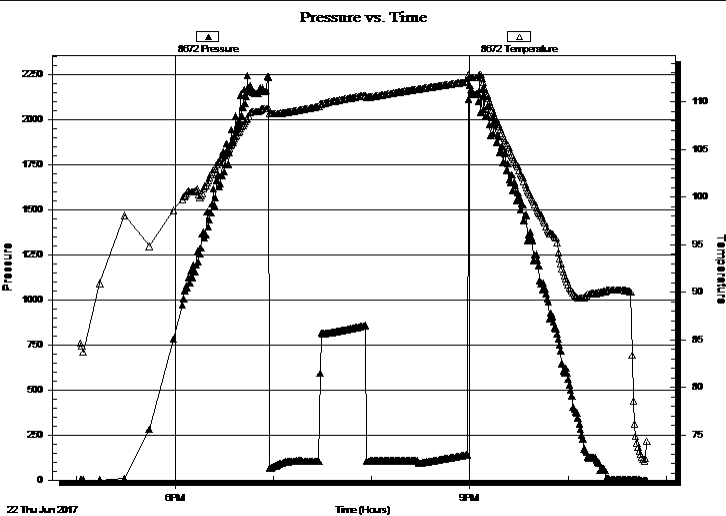
Time Off Btm:

TEST COMMENT: IF: Built to 1 1/2" blow died in 25 min.

IS: No return blow

FF: No blow

FS: No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
180.00	mud 100% m	0.89

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

3-16s-34w Scott,KS

202 W Main St.
Salem IL 62881

Scott Community #1-3

Job Ticket: 63746

DST#: 2

ATTN: Tim Priest

Test Start: 2017.06.22 @ 17:02:15

Tool Information

Drill Pipe:	Length: 4211.00 ft	Diameter: 3.80 inches	Volume: 59.07 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 233.00 ft	Diameter: 2.25 inches	Volume: 1.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	4456.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4433.00	
Shut In Tool	5.00			4438.00	
Hydraulic tool	5.00			4443.00	
Jars	5.00			4448.00	
Safety Joint	3.00			4451.00	
Packer	5.00			4456.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4456.00	
Stubb	1.00			4457.00	
Perforations	4.00			4461.00	
Change Over Sub	1.00			4462.00	
Drill Pipe	32.00			4494.00	
Change Over Sub	1.00			4495.00	
Recorder	0.00	8672	Inside	4495.00	
Recorder	0.00	6749	Outside	4495.00	
Bullnose	5.00			4500.00	44.00 Anchor Tool

Total Tool Length: 68.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

3-16s-34w Scott,KS

202 W Main St.
Salem IL 62881

Scott Community #1-3

Job Ticket: 63746

DST#: 2

ATTN: Tim Priest

Test Start: 2017.06.22 @ 17:02:15

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: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.16 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	mud 100%m	0.885

Total Length: 180.00 ft Total Volume: 0.885 bbl

Num Fluid Samples: 0

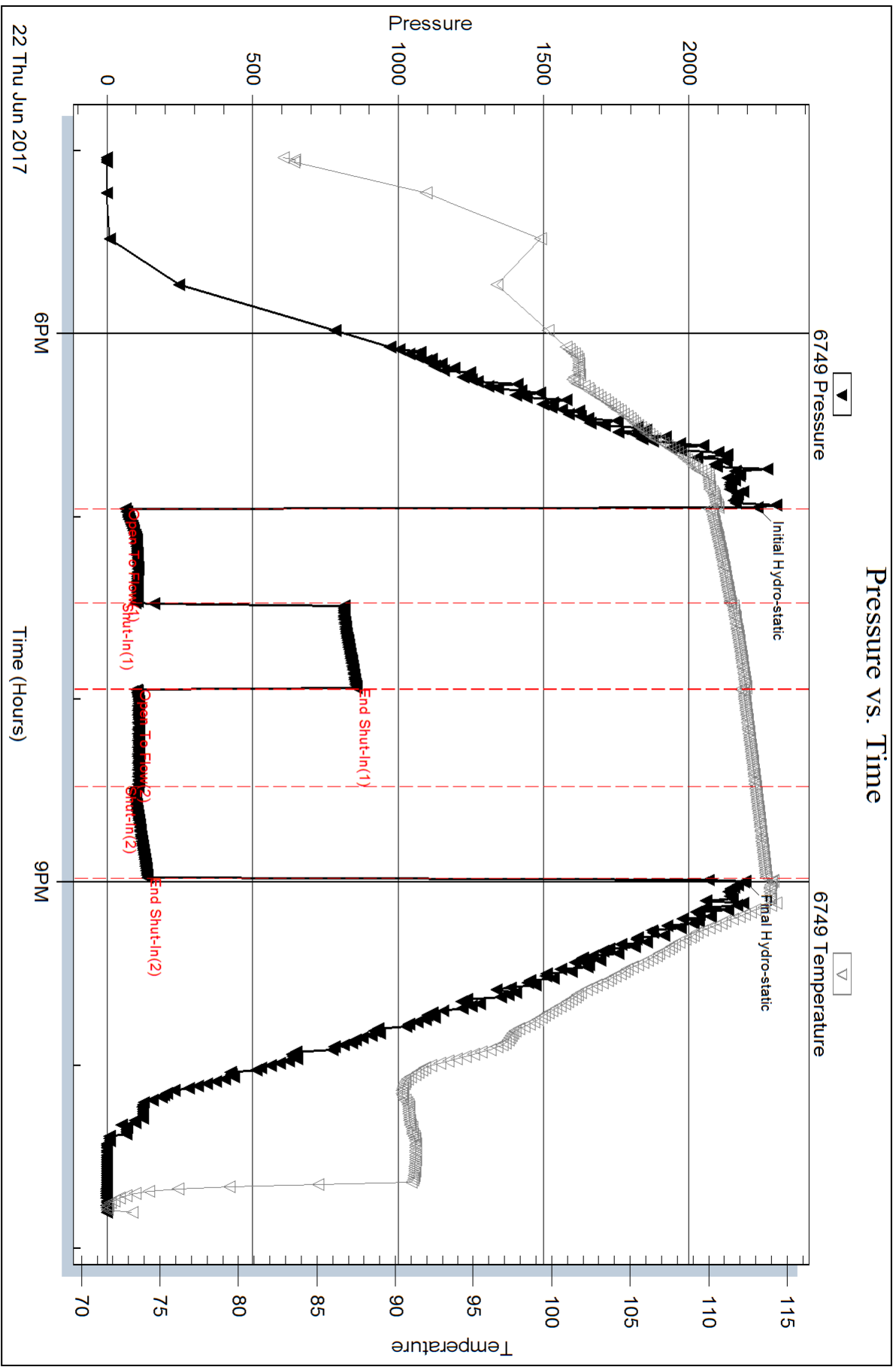
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



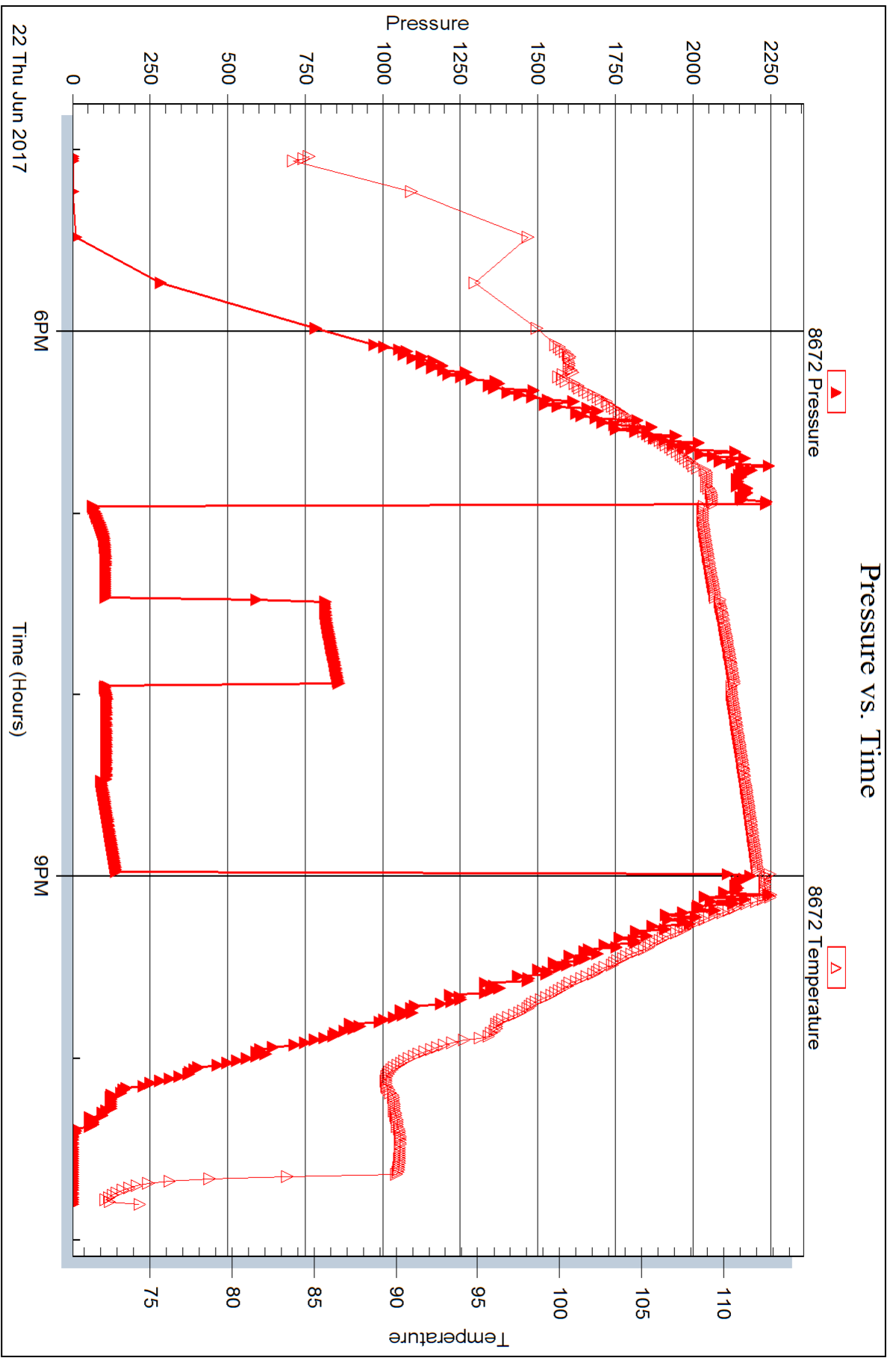
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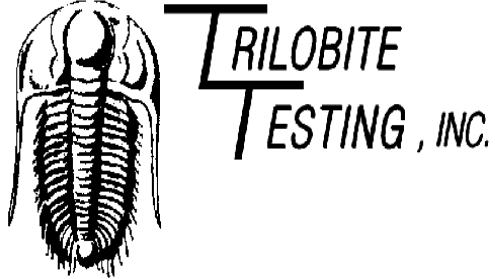
Inside

Shakespeare Oil Co.

Scott Community #1-3

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

Scott Community #1-3

3-16s-34w Scott,KS

Start Date: 2017.06.23 @ 22:46:15

End Date: 2017.06.24 @ 06:40:00

Job Ticket #: 63747 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.06.26 @ 10:06:12



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

3-16s-34w Scott,KS

202 W Main St.
Salem IL 62881

Scott Community #1-3

ATTN: Tim Priest

Job Ticket: 63747

DST#: 3

Test Start: 2017.06.23 @ 22:46:15

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:11:15

Time Test Ended: 06:40:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4631.00 ft (KB) To 4710.00 ft (KB) (TVD)

Reference Elevations: 3094.00 ft (KB)

Total Depth: 4710.00 ft (KB) (TVD)

3083.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6749 Outside

Press@RunDepth: 368.16 psig @ 4709.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.23

End Date:

2017.06.24

Last Calib.:

2017.06.24

Start Time: 22:46:15

End Time:

06:40:00

Time On Btm:

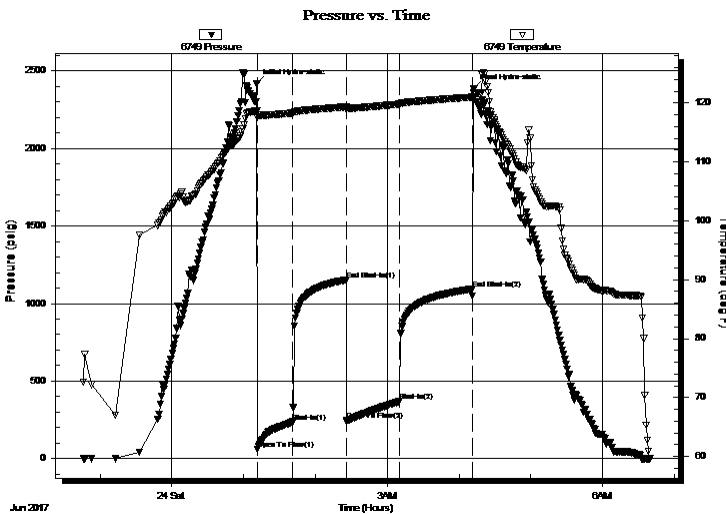
2017.06.24 @ 01:11:00

Time Off Btm:

2017.06.24 @ 04:12:15

TEST COMMENT: IF:BOB in 11 min.
IS:No return blow
FF:BOB in 17 min.
FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2418.34	118.68	Initial Hydro-static
1	61.17	117.50	Open To Flow (1)
30	237.30	118.29	Shut-In(1)
75	1152.69	119.36	End Shut-In(1)
75	249.22	118.87	Open To Flow (2)
120	368.16	119.80	Shut-In(2)
180	1093.48	120.99	End Shut-In(2)
182	2386.03	121.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
233.00	ocmw 2%o 20%m 78%w (collars)	1.15
124.00	ocmw 3%o 13%m 84%w	1.74
340.00	w com 2%w 3%o 95%m	4.77

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

3-16s-34w Scott,KS

202 W Main St.
Salem IL 62881

Scott Community #1-3

Job Ticket: 63747

DST#: 3

ATTN: Tim Priest

Test Start: 2017.06.23 @ 22:46:15

Tool Information

Drill Pipe:	Length: 4403.00 ft	Diameter: 3.80 inches	Volume: 61.76 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 233.00 ft	Diameter: 2.25 inches	Volume: 1.15 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 62.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4631.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	107.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4608.00	
Shut In Tool	5.00			4613.00	
Hydraulic tool	5.00			4618.00	
Jars	5.00			4623.00	
Safety Joint	3.00			4626.00	
Packer	5.00			4631.00	24.00 Bottom Of Top Packer
Packer - Shale	4.00			4635.00	
Stubb	1.00			4636.00	
Perforations	8.00			4644.00	
Change Over Sub	1.00			4645.00	
Drill Pipe	63.00			4708.00	
Change Over Sub	1.00			4709.00	
Recorder	0.00	8672	Inside	4709.00	
Recorder	0.00	6749	Outside	4709.00	
Bullnose	5.00			4714.00	83.00 Anchor Tool

Total Tool Length: 107.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

3-16s-34w Scott,KS

202 W Main St.
Salem IL 62881

Scott Community #1-3

Job Ticket: 63747

DST#: 3

ATTN: Tim Priest

Test Start: 2017.06.23 @ 22:46:15

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:

25000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
233.00	ocmw 2%o 20%m 78%w (collars)	1.146
124.00	ocmw 3%o 13%m 84%w	1.739
340.00	w com 2%w 3%o 95%m	4.769

Total Length: 697.00 ft Total Volume: 7.654 bbl

Num Fluid Samples: 0

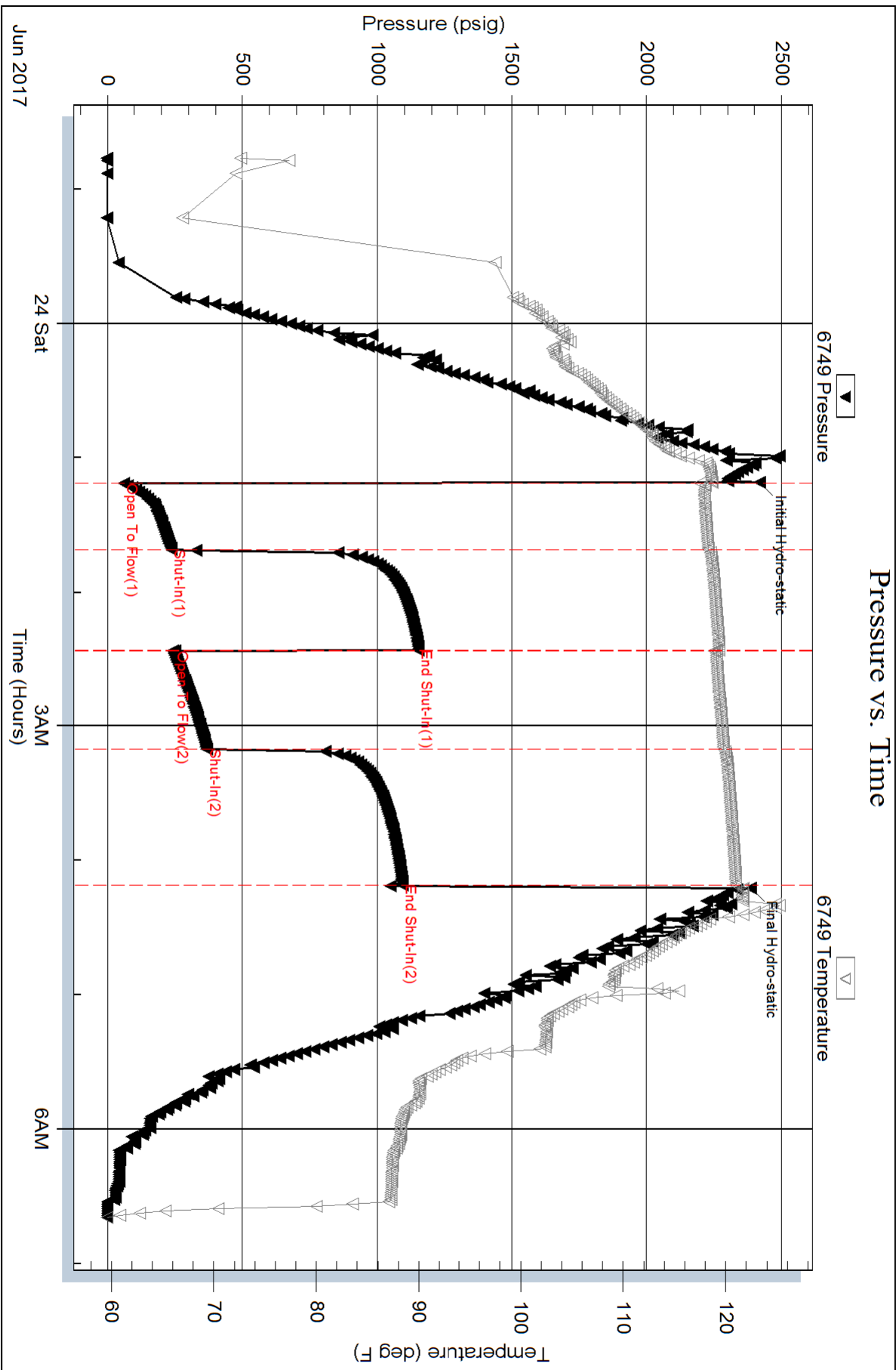
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .409 @ 53.2*= 25,000 ppm



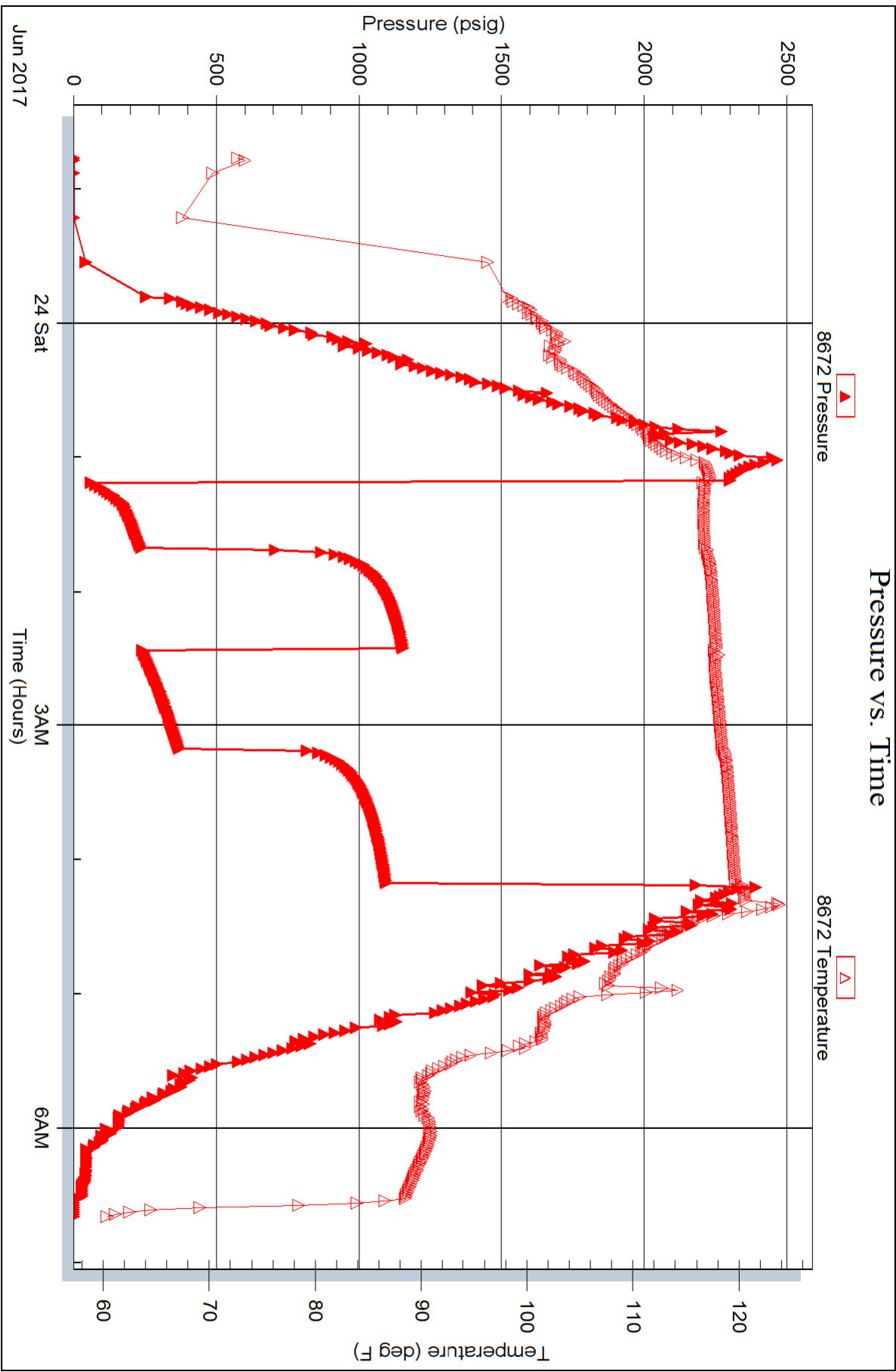
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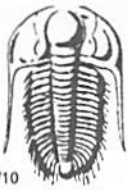
Inside

Shakespeare Oil Co.

Scott Community #1-3

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63745**

Well Name & No. Scott Community 1-3 Test No. 1 Date 6-21-17
 Company Shakespeare Oil & Gas Co Elevation 3094 KB 3083 GL
 Address 202 W. Main St. Salem IL 62881
 Co. Rep / Geo. Tim Priest Rig Duke 5
 Location: Sec. 3 Twp. 16 Rge. 34 Co. Scott State KS

Interval Tested 4392-4465 Zone Tested Marmaton A-B
 Anchor Length 73 Drill Pipe Run ~~4113~~ 4165 Mud Wt. 9.3
 Top Packer Depth 4387 Drill Collars Run ~~820~~ 233 Vis 63
 Bottom Packer Depth 4392 Wt. Pipe Run 0 WL 8.8
 Total Depth 4465 Chlorides 4400 ppm System LCM 2
 Blow Description IF: BOB in 4 Min
IS: BOB in 28 Min Died to 7"
FF: BOB in 1 Min
FS: Built to 6" + Died in 20 Min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>562</u>	<u>gco</u>	<u>30</u>	<u>70</u>		
<u>682</u>	<u>gco</u>	<u>20</u>	<u>80</u>		
<u>233</u>	<u>gcom (collars)</u>	<u>10</u>	<u>20</u>	<u>70</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1477 BHT 118 Gravity 31 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2278 Test #1150.00/- T-On Location 19:00
 (B) First Initial Flow 135 Jars — T-Started 20:47
 (C) First Final Flow 362 Safety Joint — T-Open 23:00
 (D) Initial Shut-In 1242 Circ Sub NC T-Pulled 02:45
 (E) Second Initial Flow 392 Hourly Standby — T-Out 06:07
 (F) Second Final Flow 597 Mileage 56RT = #42.00/- Comments —
 (G) Final Shut-In 1218 Sampler —
 (H) Final Hydrostatic 2224 Straddle — Ruined Shale Packer —
 Shale Packer #250.00/- Ruined Packer —
 Extra Packer — Extra Copies —
 Extra Recorder — Sub Total 0
 Day Standby — Total 1442
 Accessibility — MP/DST Disc't —
 Sub Total #1442.00/-

Approved By _____

Our Representative Mike Roberts

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63746**

Well Name & No. Scott Community 1-3 Test No. 2 Date 6-22-17
 Company Shakespeare Oil & Gas Co Elevation 3094 KB 3083 GL
 Address 202 W Main St Salem IL 62881
 Co. Rep / Geo. Tim Priest Rig Duke 5
 Location: Sec. 3 Twp. 16 Rge. 34 Co. Scott State KS

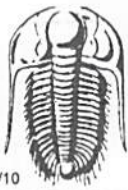
Interval Tested 4456-4510 Zone Tested B-C
 Anchor Length 44 Drill Pipe Run 4211 Mud Wt. 9.3
 Top Packer Depth 4451 Drill Collars Run 233 Vis 6.3
 Bottom Packer Depth 4456 Wt. Pipe Run Ø WL 11.2
 Total Depth 4510 Chlorides 8800 ppm System LCM 2
 Blow Description IF: Built to 1 1/2" Blow & Died in 25 Min
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>MUD</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 100 BHT 115 Gravity — API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 2235 Test #1150.00/- T-On Location 16:41
 (B) First Initial Flow 62 Jars — T-Started 17:02
 (C) First Final Flow 97 Safety Joint — T-Open 18:58
 (D) Initial Shut-In 856 Circ Sub NC T-Pulled 20:58
 (E) Second Initial Flow 101 Hourly Standby — T-Out 22:48
 (F) Second Final Flow 107 Mileage 56 RT = \$42.00/- Comments —
 (G) Final Shut-In 139 Sampler —
 (H) Final Hydrostatic 2193 Straddle — Ruined Shale Packer —
 Initial Open 30 Shale Packer — Ruined Packer —
 Initial Shut-In 30 Extra Packer — Extra Copies —
 Final Flow 30 Extra Recorder — Sub Total 0
 Final Shut-In 30 Day Standby — Total 1442
 Accessibility — MP/DST Disc't —
 Sub Total \$1442.00/-

Approved By _____ Our Representative White Robots

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63747**

Well Name & No. SCOTT Community 1-3 Test No. 3 Date 6-23-17
 Company Shakespeare Oil & Gas Co Elevation 3094 KB 3083 GL
 Address 202 W. Main St Salem IL 62881
 Co. Rep / Geo. Tim Priest Rig Duke 5
 Location: Sec. 3 Twp. 16 Rge. 34 Co. SCOTT State KS

Interval Tested 4631-4710 Zone Tested Johnson
 Anchor Length 79 Drill Pipe Run 4403 Mud Wt. 9.4
 Top Packer Depth 4626 Drill Collars Run 233 Vis 53
 Bottom Packer Depth 4631 Wt. Pipe Run 0 WL 8.8
 Total Depth 4710 Chlorides 9200 ppm System LCM 1
 Blow Description IF: BOB in 11 Min.
IS: No Return Blow
FF: BOB in 17 Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>340</u>	<u>WCOM</u>	<u>3</u>	<u>2</u>	<u>95</u>	
<u>124</u>	<u>OCMW</u>	<u>3</u>	<u>84</u>	<u>13</u>	
<u>233</u>	<u>OCMW (COLLARS)</u>	<u>2</u>	<u>78</u>	<u>20</u>	

Rec Total 697 BHT 121 Gravity — API RW 409 @ 53.7° F Chlorides 25000 ppm
 (A) Initial Hydrostatic 2418 Test \$1150.00/- T-On Location 22:05
 (B) First Initial Flow 61 Jars _____ T-Started 22:46
 (C) First Final Flow 237 Safety Joint _____ T-Open 01:11
 (D) Initial Shut-In 1152 Circ Sub NC T-Pulled 04:11
 (E) Second Initial Flow 249 Hourly Standby _____ T-Out 06:40
 (F) Second Final Flow 368 Mileage SHORT = \$42.00/- Comments Load tools
 (G) Final Shut-In 1093 Sampler x 2 at 16:00 on 25th
 (H) Final Hydrostatic 2386 Straddle _____
 Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1484
 Accessibility _____ MP/DST Disc't _____
 Sub Total \$1442.00/-

Approved By _____

Our Representative Mike Rold

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.