

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W Main St
Salem, IL 62881

ATTN: Steve Davis

15-14s-32w Logan, Ks

Ottley #2-15

Start Date: 2009.06.15 @ 18:20:08

End Date: 2009.06.16 @ 03:10:17

Job Ticket #: 34758 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespeare Oil Co

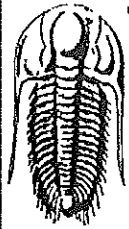
Ottley #2-15

15-14s-32w Logan, Ks

DST # 1

B-F

2009.06.15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co
202 W Main St
Salem, IL 62881
ATTN: Steve Davis

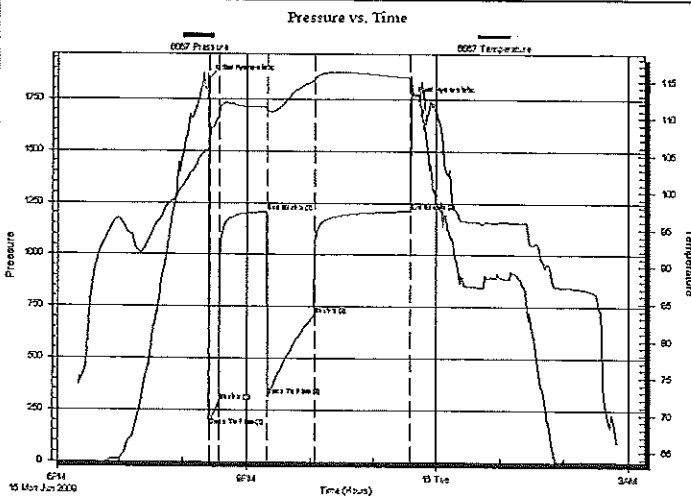
Ottley #2-15
15-14s-32w Logan, Ks
Job Ticket: 34758 DST#: 1
Test Start: 2009.06.15 @ 18:20:08

GENERAL INFORMATION:

Formation: **B-F**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 20:24:33
Time Test Ended: 03:10:17
Interval: **3762.00 ft (KB) To 3838.00 ft (KB) (TVD)**
Total Depth: **3838.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Reference Elevations: **3747.00 ft (KB)**
3738.00 ft (CF)
KB to GR/CF: **9.00 ft**

Serial #: 6667 **Inside**
Press@RunDepth: **708.69 psig @ 3763.00 ft (KB)**
Start Date: **2009.06.15** End Date: **2009.06.16**
Start Time: **18:20:08** End Time: **02:49:17**
Capacity: **7000.00 psig**
Last Calib.: **2009.06.16**
Time On Btm: **2009.06.15 @ 20:24:03**
Time Off Btm: **2009.06.15 @ 23:35:18**

TEST COMMENT: B.O.B. in 2 min.
Return to B.O.B. in 30 min.
B.O.B. @ open
6" in return blow died in 75 min.



PRESSURE SUMMARY

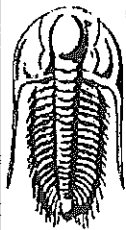
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1846.77	105.92	Initial Hydro-static
1	172.32	105.54	Open To Flow (1)
10	292.60	110.07	Shut-In (1)
55	1206.58	111.43	End Shut-In (1)
55	318.93	111.20	Open To Flow (2)
100	708.69	115.00	Shut-In (2)
191	1210.32	115.39	End Shut-In (2)
192	1746.08	115.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	g o & m c w 10g 10o 15m 65w under circ 0.61	
372.00	g o c w 15g 40o 45w reversed	4.65
620.00	g w c o 20g 20w 60o reversed	8.70
620.00	c g o 20g 80o reversed	8.70
124.00	c g o 20g 80o	1.74
0.00	1054' gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

ATTN: Steve Davis

Job Ticket: 34758

DST#: 1

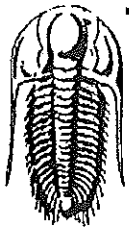
Test Start: 2009.06.15 @ 18:20:08

Tool Information

Drill Pipe:	Length: 3554.00 ft	Diameter: 3.80 inches	Volume: 49.85 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: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 50.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3762.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	103.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3736.00	
Shut In Tool	5.00			3741.00	
Hydraulic tool	5.00			3746.00	
Jars	5.00			3751.00	
Safety Joint	2.00			3753.00	
Packer	5.00			3758.00	27.00 Bottom Of Top Packer
Packer	4.00			3762.00	
Stubb	1.00			3763.00	
Recorder	0.00	6667	Inside	3763.00	
Recorder	0.00	6771	Outside	3763.00	
Perforations	7.00			3770.00	
Change Over Sub	1.00			3771.00	
Drill Pipe	61.00			3832.00	
Change Over Sub	1.00			3833.00	
Bullnose	5.00			3838.00	76.00 Bottom Packers & Anchor
Total Tool Length:	103.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34758

DST#: 1

ATTN: Steve Davis

Test Start: 2009.06.15 @ 18:20:08

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36.5 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

31000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.74 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
124.00	g o & m c w 10g 10o 15m 65w under circ s	0.610
372.00	g o c w 15g 40o 45w reversed	4.653
620.00	g w c o 20g 20w 60o reversed	8.697
620.00	c g o 20g 80o reversed	8.697
124.00	c g o 20g 80o	1.739
0.00	1054' gas in pipe	0.000

Total Length: 1860.00 ft

Total Volume: 24.396 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

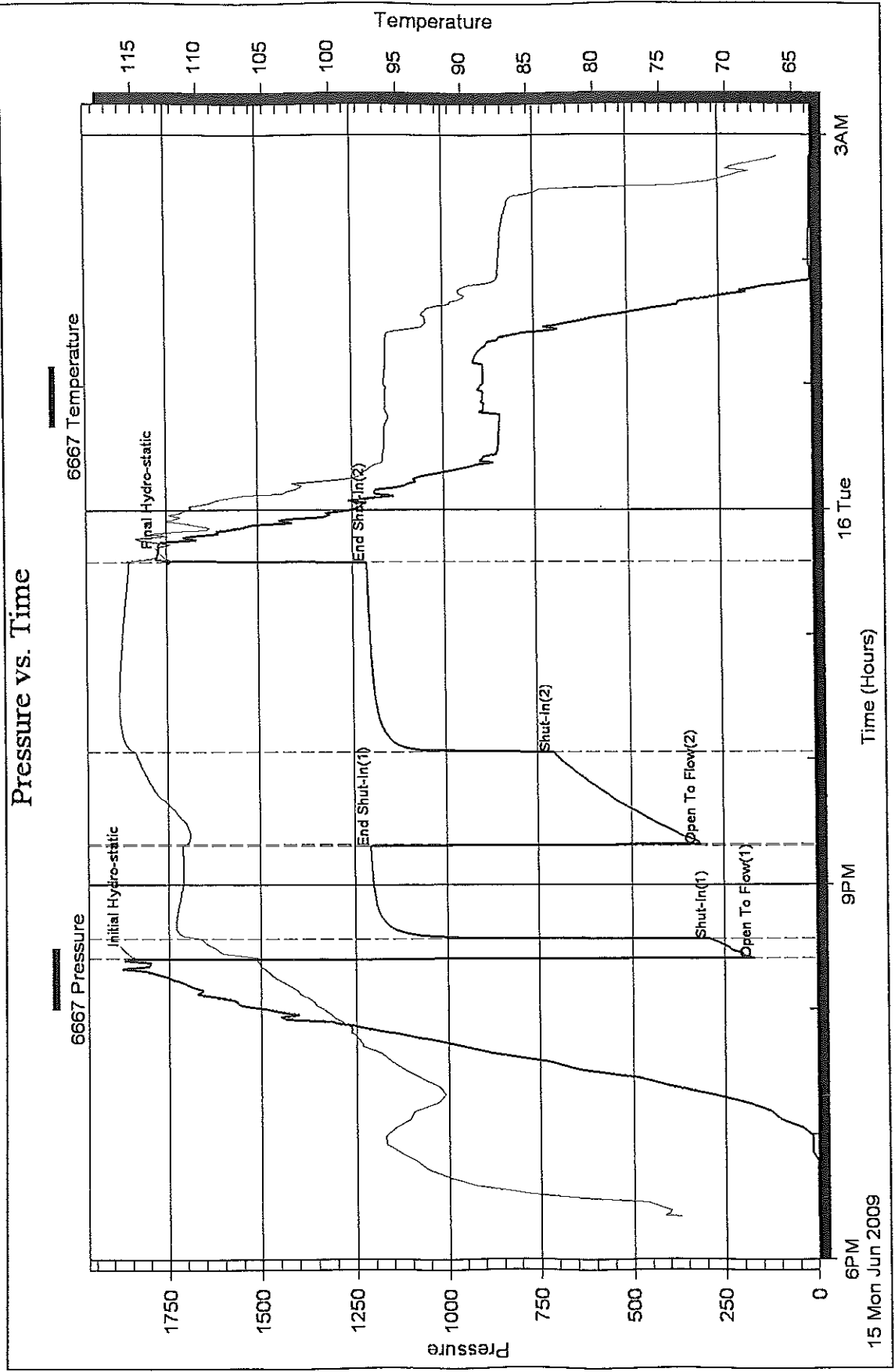
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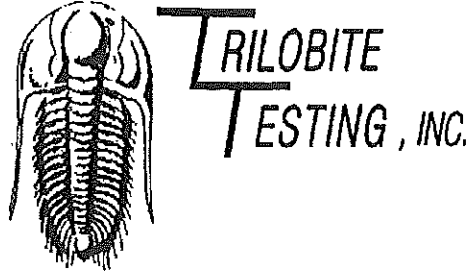
Laboratory Name:

Laboratory Location:

Recovery Comments: rw .223 @ 70'f = 31,000 chlor

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W Main St
Salem, IL 62881

ATTN: Steve Davis

15-14s-32w Logan, Ks

Ottley #2-15

Start Date: 2009.06.16 @ 18:55:56

End Date: 2009.06.17 @ 03:35:35

Job Ticket #: 34760 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespeare Oil Co

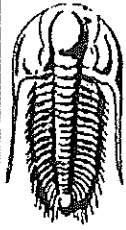
Ottley #2-15

15-14s-32w Logan, Ks

DST # 2

H

2009.06.16



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

ATTN: Steve Davis

Job Ticket: 34760

DST#: 2

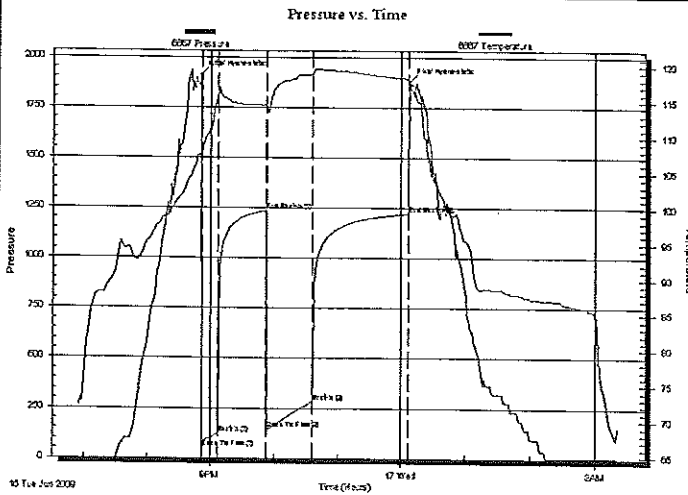
Test Start: 2009.06.16 @ 18:55:56

GENERAL INFORMATION:

Formation: H
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:51:21
 Time Test Ended: 03:35:35
 Interval: 3900.00 ft (KB) To 3930.00 ft (KB) (TVD)
 Total Depth: 3930.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Shane McBride
 Unit No: 40
 Reference Elevations: 3747.00 ft (KB)
 3738.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6667 Inside
 Press@RunDepth: 284.25 psig @ 3901.00 ft (KB)
 Start Date: 2009.06.16 End Date: 2009.06.17
 Start Time: 18:55:56 End Time: 03:20:35
 Capacity: 7000.00 psig
 Last Calib.: 2009.06.17
 Time On Btm: 2009.06.16 @ 20:51:06
 Time Off Btm: 2009.06.17 @ 00:07:36

TEST COMMENT: B.O.B. in 4 min.
 10" return blow
 B.O.B. @ open
 Return to B.O.B. in 20 min.



PRESSURE SUMMARY

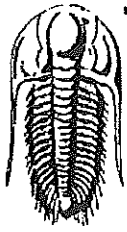
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1910.24	107.65	Initial Hydro-static
1	49.76	107.14	Open To Flow (1)
16	125.86	115.91	Shut-in(1)
62	1233.63	114.53	End Shut-in(1)
62	149.81	114.17	Open To Flow (2)
106	284.25	118.94	Shut-in(2)
196	1220.49	118.28	End Shut-in(2)
197	1878.17	117.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	g o c m 25g 20o 55m	0.61
124.00	g m c o 30g 35m 35o	1.17
496.00	c g o 30g 70o	6.96
0.00	1612' gas in pipe	0.00

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34760

DST#: 2

ATTN: Steve Davis

Test Start: 2009.06.16 @ 18:55:56

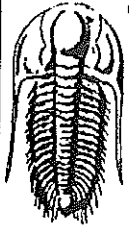
Tool Information

Drill Pipe:	Length: 3709.00 ft	Diameter: 3.80 inches	Volume: 52.03 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: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 52.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3900.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3874.00	
Shut In Tool	5.00			3879.00	
Hydraulic tool	5.00			3884.00	
Jars	5.00			3889.00	
Safety Joint	2.00			3891.00	
Packer	5.00			3896.00	27.00 Bottom Of Top Packer
Packer	4.00			3900.00	
Stubb	1.00			3901.00	
Recorder	0.00	6667	Inside	3901.00	
Recorder	0.00	6771	Outside	3901.00	
Perforations	24.00			3925.00	
Bullnose	5.00			3930.00	30.00 Bottom Packers & Anchor

Total Tool Length: 57.00



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Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

ATTN: Steve Davis

Job Ticket: 34760

DST#: 2

Test Start: 2009.06.16 @ 18:55:56

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.15 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 10400.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	g o c m 25g 20o 55m	0.610
124.00	g m c o 30g 35m 35o	1.175
496.00	c g o 30g 70o	6.958
0.00	1612' gas in pipe	0.000

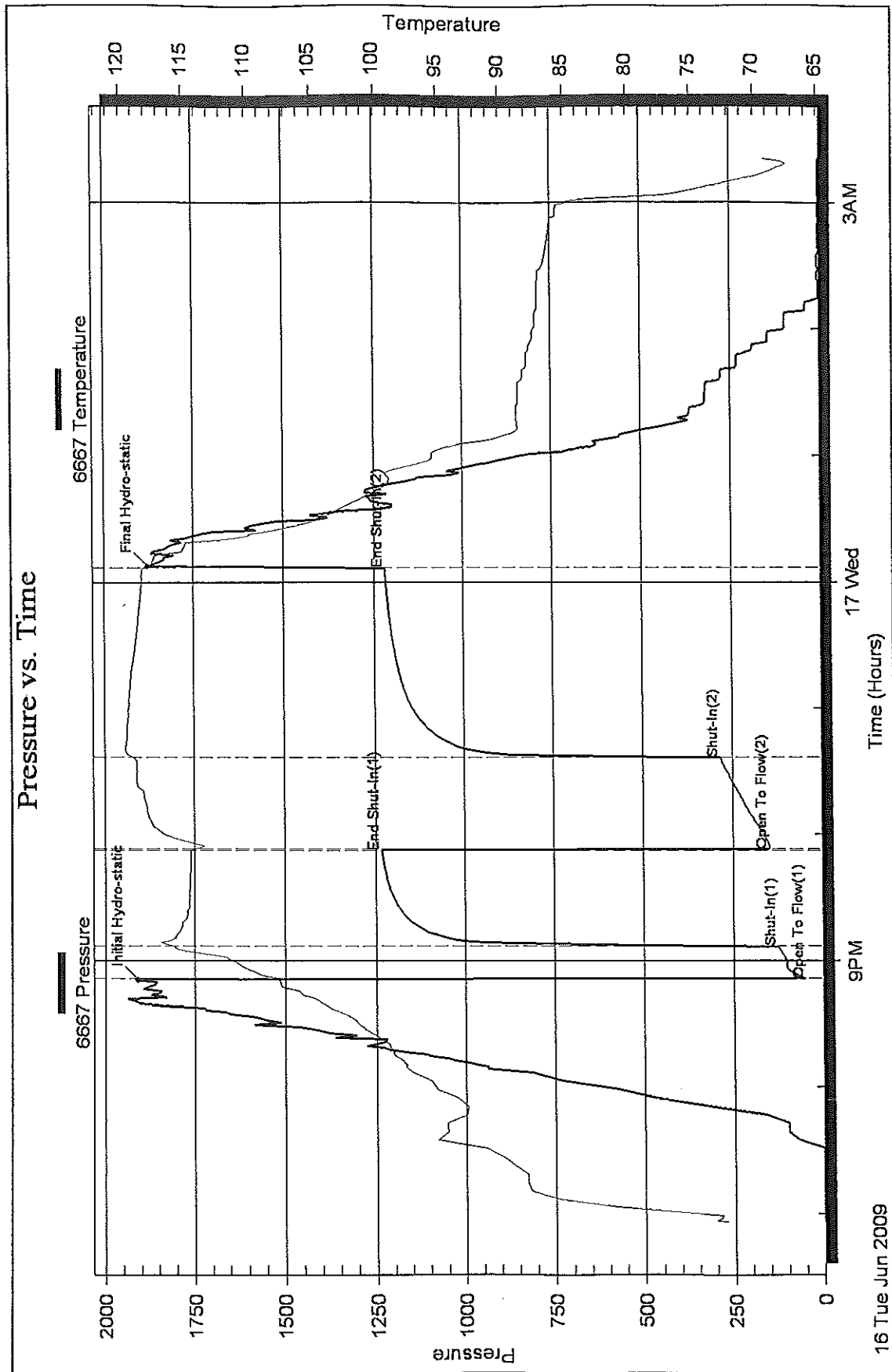
Total Length: 744.00 ft Total Volume: 8.743 bbl

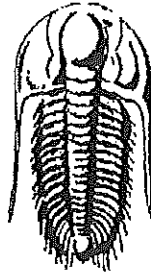
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W Main St
Salem, IL 62881

ATTN: Steve Davis

15-14s-32w Logan, Ks

Ottley #2-15

Start Date: 2009.06.17 @ 12:55:42

End Date: 2009.06.17 @ 23:30:22

Job Ticket #: 34761 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespeare Oil Co

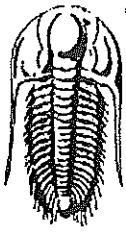
Ottley #2-15

15-14s-32w Logan, Ks

DST # 3

1-1

2009.06.17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

ATTN: Steve Davis

Job Ticket: 34761

DST#: 3

Test Start: 2009.06.17 @ 12:55:42

GENERAL INFORMATION:

Formation: I-J

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:40:22

Time Test Ended: 23:30:22

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: 3932.00 ft (KB) To 3985.00 ft (KB) (TVD)

Total Depth: 3985.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3747.00 ft (KB)

3738.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6667

Inside

Press@RunDepth: 407.68 psig @ 3933.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2009.06.17

End Date: 2009.06.17

Last Calib.: 2009.06.17

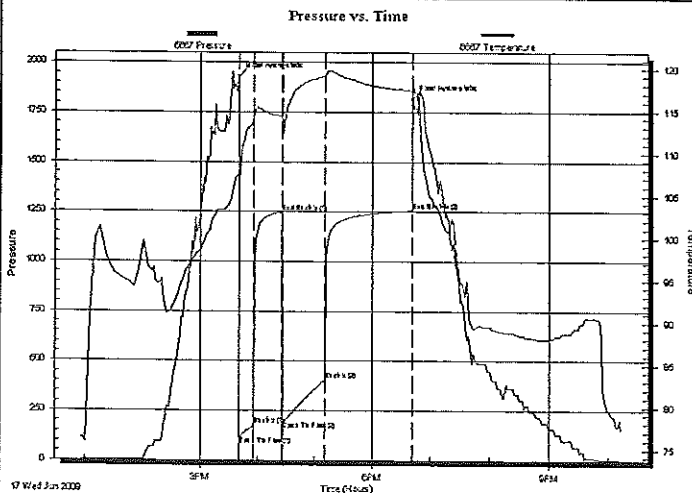
Start Time: 12:55:42

End Time: 22:13:22

Time On Btm: 2009.06.17 @ 15:39:52

Time Off Btm: 2009.06.17 @ 18:40:52

TEST COMMENT: B.O.B. in 4 min.
B.O.B. in 15 min.
B.O.B. @ open
B.O.B. in 15 min.



PRESSURE SUMMARY

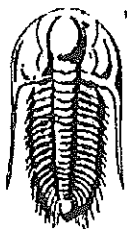
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1929.90	107.43	Initial Hydro-static
1	77.86	106.87	Open To Flow (1)
16	180.57	114.19	Shut-In (1)
46	1249.54	114.40	End Shut-In (1)
46	196.77	113.82	Open To Flow (2)
91	407.68	119.10	Shut-In (2)
181	1255.50	117.38	End Shut-In (2)
181	1815.86	117.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	g o c m 45g 15o 40m	0.91
124.00	g m c o 45g 20m 35o	1.74
774.00	c g o 40g 60o	10.86

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34761

DST#: 3

ATTN: Steve Davis

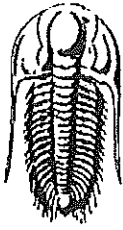
Test Start: 2009.06.17 @ 12:55:42

Tool Information

Drill Pipe:	Length: 3741.00 ft	Diameter: 3.80 inches	Volume: 52.48 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: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 53.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3932.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3906.00	
Shut In Tool	5.00			3911.00	
Hydraulic tool	5.00			3916.00	
Jars	5.00			3921.00	
Safety Joint	2.00			3923.00	
Packer	5.00			3928.00	27.00 Bottom Of Top Packer
Packer	4.00			3932.00	
Stubb	1.00			3933.00	
Recorder	0.00	6667	Inside	3933.00	
Recorder	0.00	6771	Outside	3933.00	
Perforations	15.00			3948.00	
Change Over Sub	1.00			3949.00	
Drill Pipe	30.00			3979.00	
Change Over Sub	1.00			3980.00	
Bullnose	5.00			3985.00	53.00 Bottom Packers & Anchor
Total Tool Length:	80.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34761

DST#: 3

ATTN: Steve Davis

Test Start: 2009.06.17 @ 12:55:42

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.16 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 9500.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	g o c m 45g 15o 40m	0.915
124.00	g m c o 45g 20m 35o	1.739
774.00	c g o 40g 60o	10.857

Total Length: 1084.00 ft Total Volume: 13.511 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6667

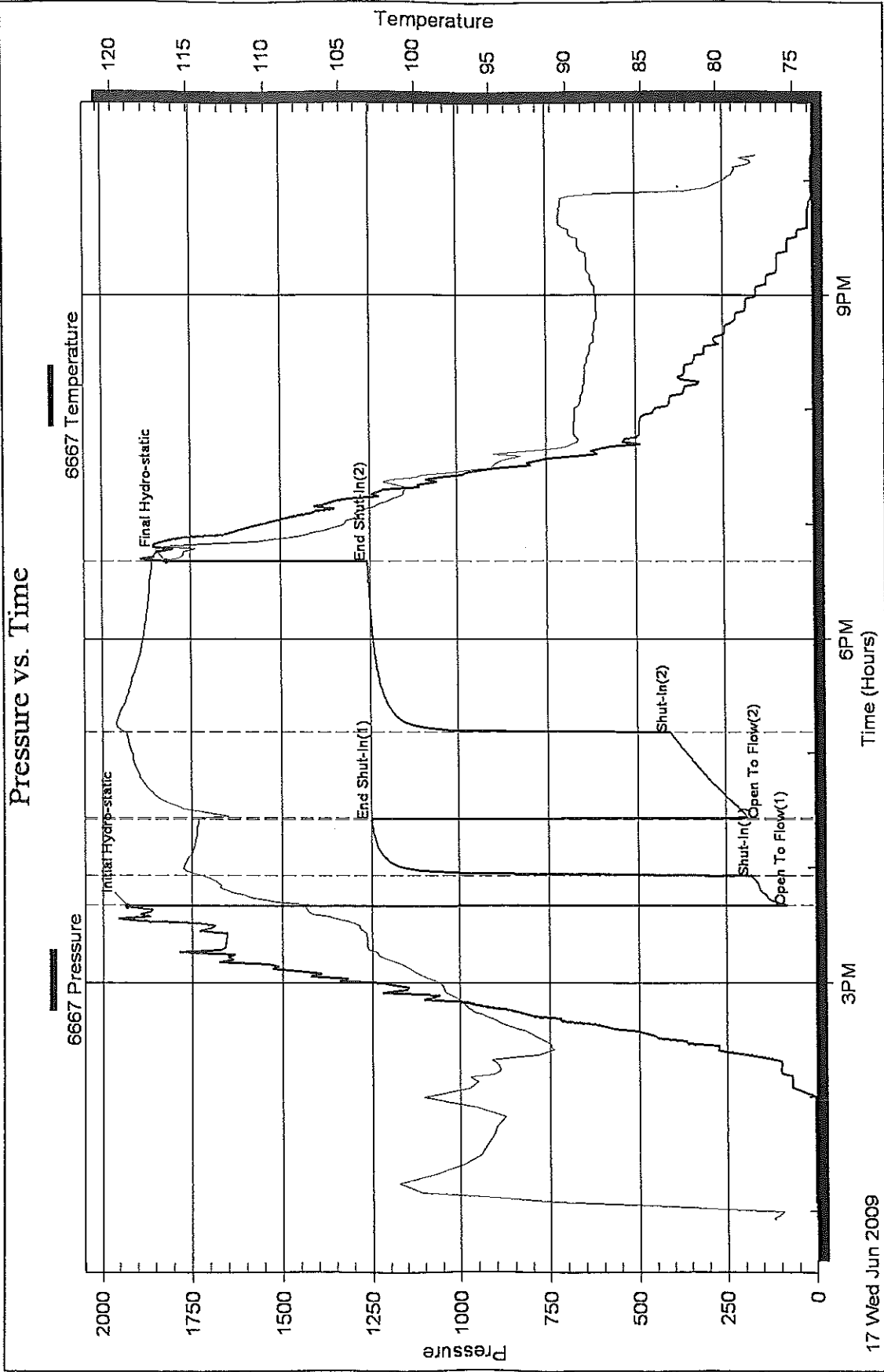
Inside

Shakespeare Oil Co

15-14s-32w Logan, Ks

DST Test Number: 3

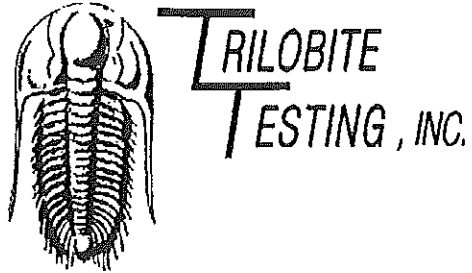
Pressure vs. Time



17 Wed Jun 2009

Trilobite Testing, Inc

Ref. No: 34761



DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W Main St
Salem, IL 62881

ATTN: Steve Davis

15-14s-32w Logan, Ks

Ottley #2-15

Start Date: 2009.06.18 @ 13:40:23

End Date: 2009.06.18 @ 21:25:02

Job Ticket #: 34762 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespeare Oil Co

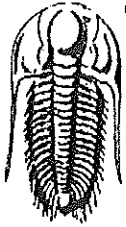
Ottley #2-15

15-14s-32w Logan, Ks

DST # 4

K-L

2009.06.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co

202 W Main St
Salem, IL 62881

ATTN: Steve Davis

Ottley #2-15

15-14s-32w Logan, Ks

Job Ticket: 34762

DST#: 4

Test Start: 2009.06.18 @ 13:40:23

GENERAL INFORMATION:

Formation: K-L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:42:48

Time Test Ended: 21:25:02

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: 3996.00 ft (KB) To 4060.00 ft (KB) (TVD)

Total Depth: 4060.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3747.00 ft (KB)

3738.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6667

Inside

Press@RunDepth: 1311.02 psig @ 3997.00 ft (KB)

Start Date: 2009.06.18

End Date:

2009.06.18

Capacity: 7000.00 psig

Last Calib.: 2009.06.18

Start Time: 13:40:23

End Time:

21:10:02

Time On Btm: 2009.06.18 @ 15:42:33

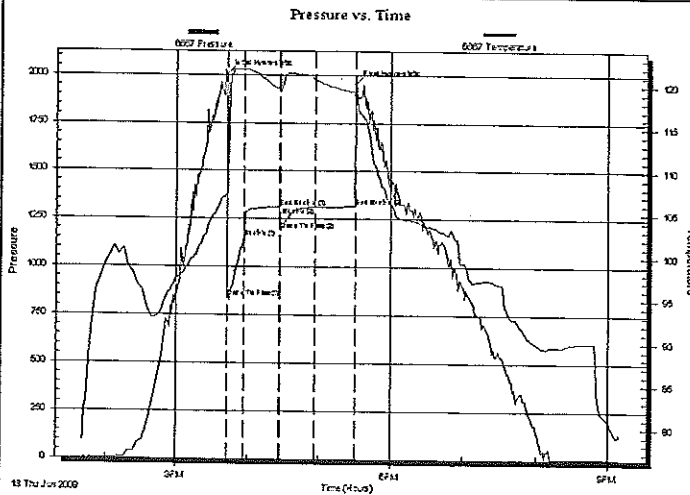
Time Off Btm: 2009.06.18 @ 17:30:48

TEST COMMENT: B.O.B. in 1/2 min.

No return

B.O.B. in 1 min., died back to 8" in.

No return



PRESSURE SUMMARY

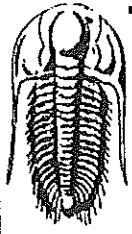
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2003.29	107.18	Initial Hydro-static
1	843.10	107.27	Open To Flow (1)
15	1151.61	121.82	Shut-in(1)
45	1312.09	119.60	End Shut-in(1)
45	1190.95	119.45	Open To Flow (2)
75	1311.02	120.64	Shut-in(2)
108	1314.85	119.20	End Shut-in(2)
109	1953.42	118.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (tbl)
2294.00	water 100w	30.48
186.00	s m c w 5m 95w	2.61
186.00	m c w 20m 80w	2.61
206.00	m c w 35m 65w	2.89

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co
202 W Main St
Salem, IL 62881
ATTN: Steve Davis

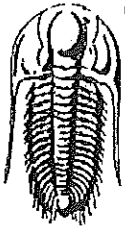
Ottley #2-15
15-14s-32w Logan, Ks
Job Ticket: 34762 DST#: 4
Test Start: 2009.06.18 @ 13:40:23

Tool Information

Drill Pipe:	Length: 3798.00 ft	Diameter: 3.80 inches	Volume: 53.28 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: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume: 54.19 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3996.00 ft			Final 88000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3970.00	
Shut In Tool	5.00			3975.00	
Hydraulic tool	5.00			3980.00	
Jars	5.00			3985.00	
Safety Joint	2.00			3987.00	
Packer	5.00			3992.00	27.00 Bottom Of Top Packer
Packer	4.00			3996.00	
Stubb	1.00			3997.00	
Recorder	0.00	6667	Inside	3997.00	
Recorder	0.00	6771	Outside	3997.00	
Perforations	25.00			4022.00	
Change Over Sub	1.00			4023.00	
Drill Pipe	31.00			4054.00	
Change Over Sub	1.00			4055.00	
Bullnose	5.00			4060.00	64.00 Bottom Packers & Anchor
Total Tool Length:		91.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

ATTN: Steve Davis

Job Ticket: 34762

DST#: 4

Test Start: 2009.06.18 @ 13:40:23

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 7.17 in³

Resistivity: 0.00 ohm.m

Salinity: 9600.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

0 deg API

37000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2294.00	water 100w	30.484
186.00	s m c w 5m 95w	2.609
186.00	m c w 20m 80w	2.609
206.00	m c w 35m 65w	2.890

Total Length: 2872.00 ft Total Volume: 38.592 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

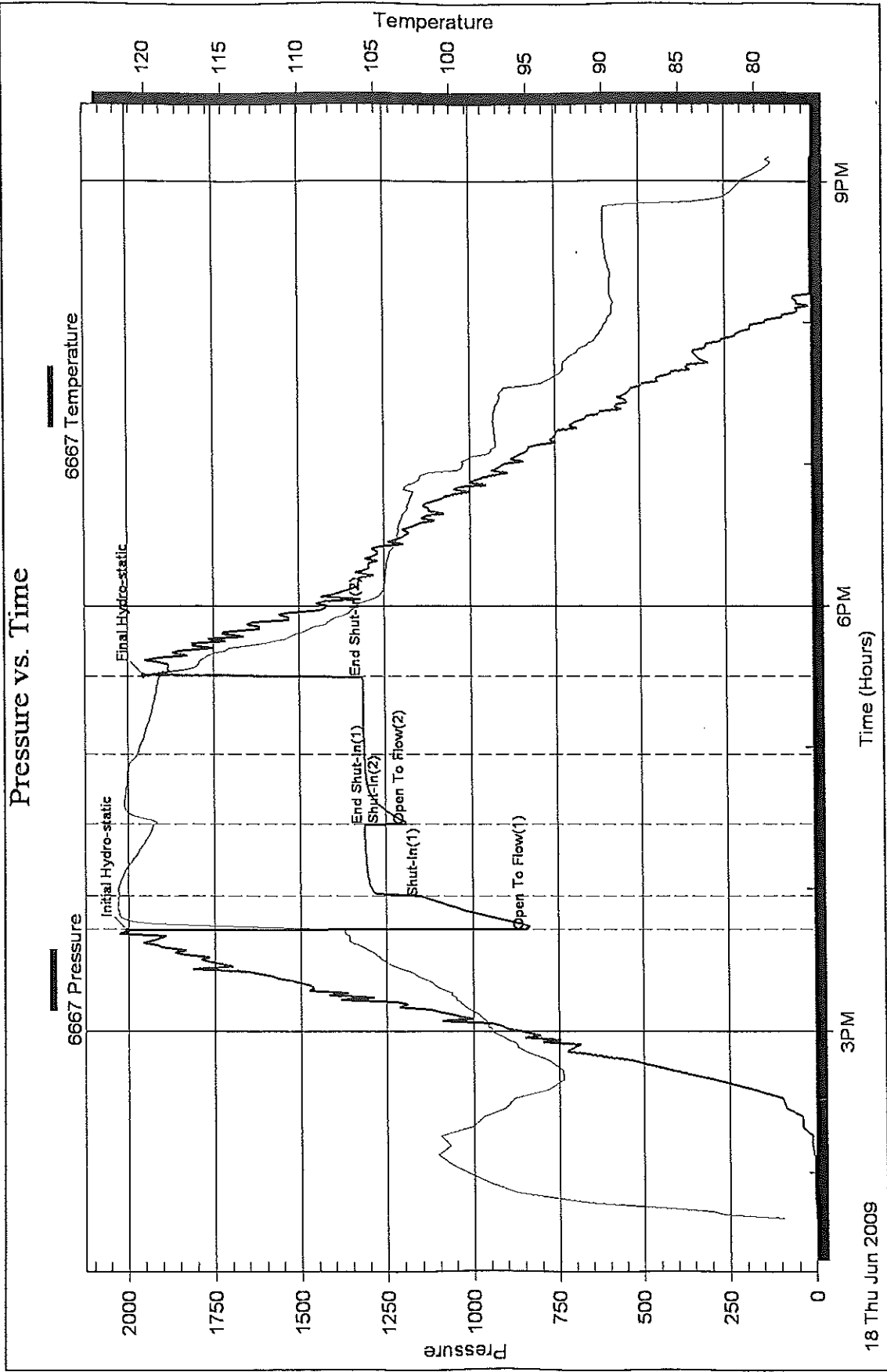
Serial #:

Laboratory Name:

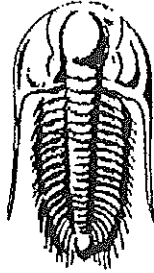
Laboratory Location:

Recovery Comments: rw .148 @ 90*f = 37,000 chlorides

Pressure vs. Time



18 Thu Jun 2009



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W Main St
Salem, IL 62881

ATTN: Steve Davis

15-14s-32w Logan, Ks

Ottley #2-15

Start Date: 2009.06.19 @ 21:05:24

End Date: 2009.06.20 @ 03:00:48

Job Ticket #: 34763 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespeare Oil Co

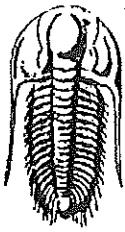
Ottley #2-15

15-14s-32w Logan, Ks

DST # 5

Myrtle St, Ft Scott

2009.06.19



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

ATTN: Steve Davis

Job Ticket: 34763

DST#: 5

Test Start: 2009.06.19 @ 21:05:24

GENERAL INFORMATION:

Formation: Myric St, Ft Scott

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:07:34

Time Test Ended: 03:00:48

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: 4228.00 ft (KB) To 4280.00 ft (KB) (TVD)

Reference Elevations: 3747.00 ft (KB)

Total Depth: 4280.00 ft (KB) (TVD)

3738.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 6771 Outside

Press@RunDepth: 35.05 psig @ 4229.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2009.06.19

End Date: 2009.06.20

Last Calib.: 2009.06.20

Start Time: 21:05:24

End Time: 02:49:48

Time On Blm: 2009.06.19 @ 23:06:34

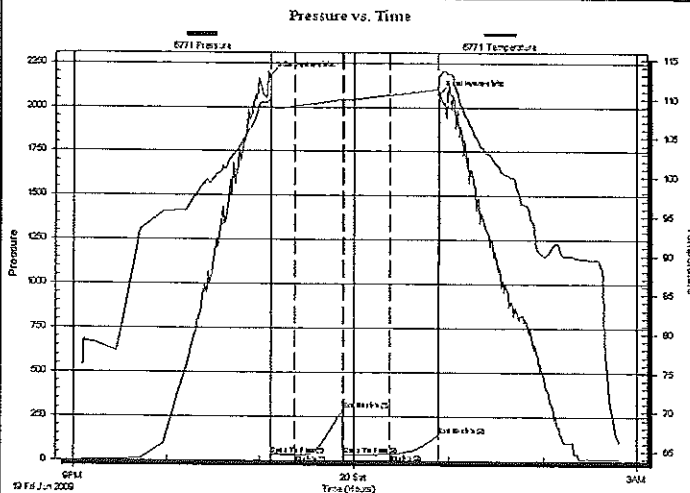
Time Off Blm: 2009.06.20 @ 00:53:34

TEST COMMENT: Weak blow died in 10 min.

No return

No blow

No return



PRESSURE SUMMARY

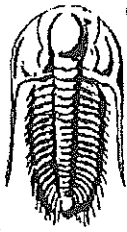
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2175.43	109.73	Initial Hydro-static
1	33.51	108.64	Open To Flow (1)
16	30.80	109.02	Shut-in(1)
47	286.74	109.89	End Shut-in(1)
47	30.96	109.80	Open To Flow (2)
77	35.05	110.46	Shut-in(2)
107	144.65	111.21	End Shut-in(2)
107	2073.01	112.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100m	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34763

DST#: 5

ATTN: Steve Davis

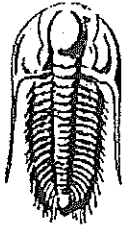
Test Start: 2009.06.19 @ 21:05:24

Tool Information

Drill Pipe:	Length: 4042.00 ft	Diameter: 3.80 inches	Volume: 56.70 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: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 57.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4228.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4202.00	
Shut In Tool	5.00			4207.00	
Hydraulic tool	5.00			4212.00	
Jars	5.00			4217.00	
Safety Joint	2.00			4219.00	
Packer	5.00			4224.00	27.00 Bottom Of Top Packer
Packer	4.00			4228.00	
Stubb	1.00			4229.00	
Recorder	0.00	6667	Inside	4229.00	
Recorder	0.00	6771	Outside	4229.00	
Perforations	14.00			4243.00	
Change Over Sub	1.00			4244.00	
Drill Pipe	30.00			4274.00	
Change Over Sub	1.00			4275.00	
Bullnose	5.00			4280.00	52.00 Bottom Packers & Anchor
Total Tool Length:	79.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34763

DST#: 5

ATTN: Steve Davis

Test Start: 2009.06.19 @ 21:05:24

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume:		
Water Loss: 6.74 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure:		
Salinity: 10200.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100m	0.010

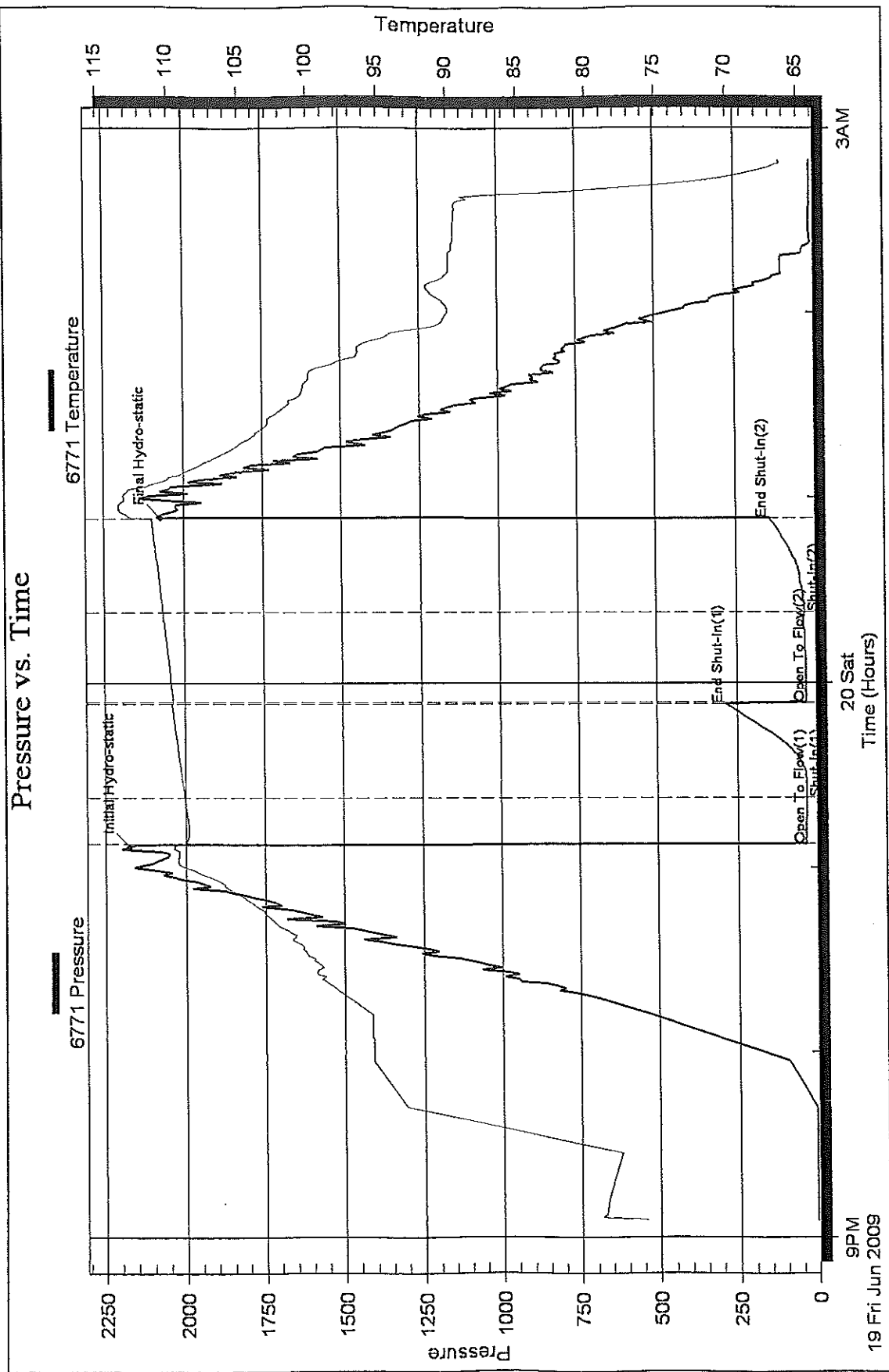
Total Length: 2.00 ft Total Volume: 0.010 bbl

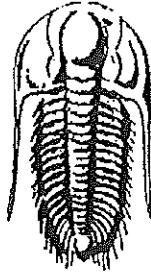
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W Main St
Salem, IL 62881

ATTN: Steve Davis

15-14s-32w Logan, Ks

Ottley #2-15

Start Date: 2009.06.20 @ 20:45:15

End Date: 2009.06.21 @ 04:05:54

Job Ticket #: 34764 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespeare Oil Co

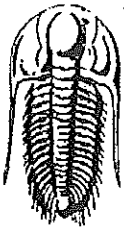
Ottley #2-15

15-14s-32w Logan, Ks

DST # 6

Johnson

2009.06.20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co

202 W Main St
Salem, IL 62881

ATTN: Steve Davis

Ottley #2-15

15-14s-32w Logan, Ks

Job Ticket: 34764

DST#: 6

Test Start: 2009.06.20 @ 20:45:15

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:32:40
 Time Test Ended: 04:05:54

Test Type: Conventional Bottom Hole
 Tester: Shane McBride
 Unit No: 40

Interval: **4304.00 ft (KB) To 4344.00 ft (KB) (TVD)**
 Total Depth: **4344.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair

Reference Elevations: **3747.00 ft (KB)**
3738.00 ft (CF)
 KB to GR/CF: **9.00 ft**

Serial #: 6667

Inside

Press@RunDepth: **68.99 psig @ 4309.00 ft (KB)**

Start Date: **2009.06.20**

End Date:

2009.06.21

Start Time: **20:45:15**

End Time:

03:43:54

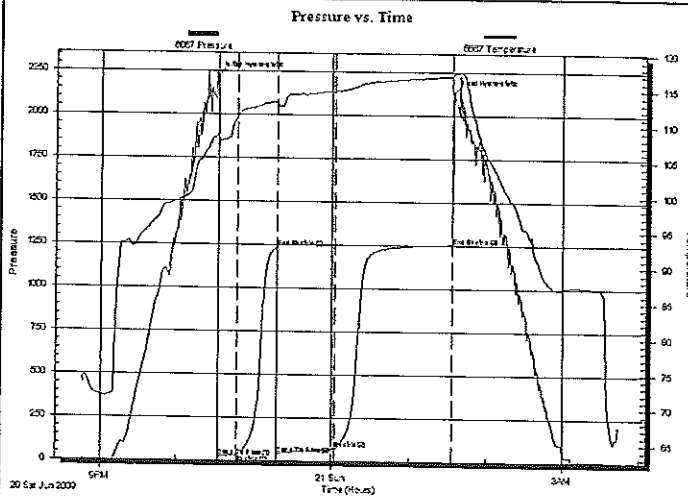
Capacity: **7000.00 psig**

Last Calib.: **2009.06.21**

Time On Btm: **2009.06.20 @ 22:31:55**

Time Off Btm: **2009.06.21 @ 01:34:25**

TEST COMMENT: 2 1/2" in blow
 No return
 7 1/2" in blow
 1/4" in return blow died in 60 min.



PRESSURE SUMMARY

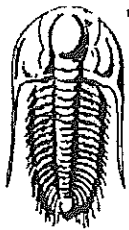
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2223.27	108.53	Initial Hydro-static
1	20.53	107.53	Open To Flow (1)
16	34.71	111.10	Shut-In (1)
46	1236.53	113.31	End Shut-In (1)
47	36.94	112.89	Open To Flow (2)
91	68.99	114.83	Shut-In (2)
182	1253.72	116.98	End Shut-In (2)
183	2130.27	117.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	gw & m c o 10g 10w 20m 60o	0.61
62.00	gw & m c o 5g 10w 30m 55o	0.30
0.00	62' weak gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

ATTN: Steve Davis

Job Ticket: 34764

DST#: 6

Test Start: 2009.06.20 @ 20:45:15

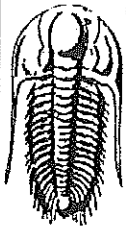
Tool Information

Drill Pipe:	Length: 4107.00 ft	Diameter: 3.80 inches	Volume: 57.61 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: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 58.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4304.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4282.00	
Shut In Tool	5.00			4287.00	
Hydraulic tool	5.00			4292.00	
Jars	5.00			4297.00	
Safety Joint	2.00			4299.00	
Packer	5.00			4304.00	23.00 Bottom Of Top Packer
Packer - Shale	4.00			4308.00	
Stubb	1.00			4309.00	
Recorder	0.00	6667	Inside	4309.00	
Recorder	0.00	6771	Outside	4309.00	
Perforations	34.00			4343.00	
Bullnose	5.00			4348.00	44.00 Anchor Tool

Total Tool Length: 67.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34764

DST#: 6

ATTN: Steve Davis

Test Start: 2009.06.20 @ 20:45:15

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: 18500 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.59 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 10000.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	g w & m c o 10g 10w 20m 60o	0.610
62.00	g w & m c o 5g 10w 30m 55o	0.305
0.00	62' weak gas in pipe	0.000

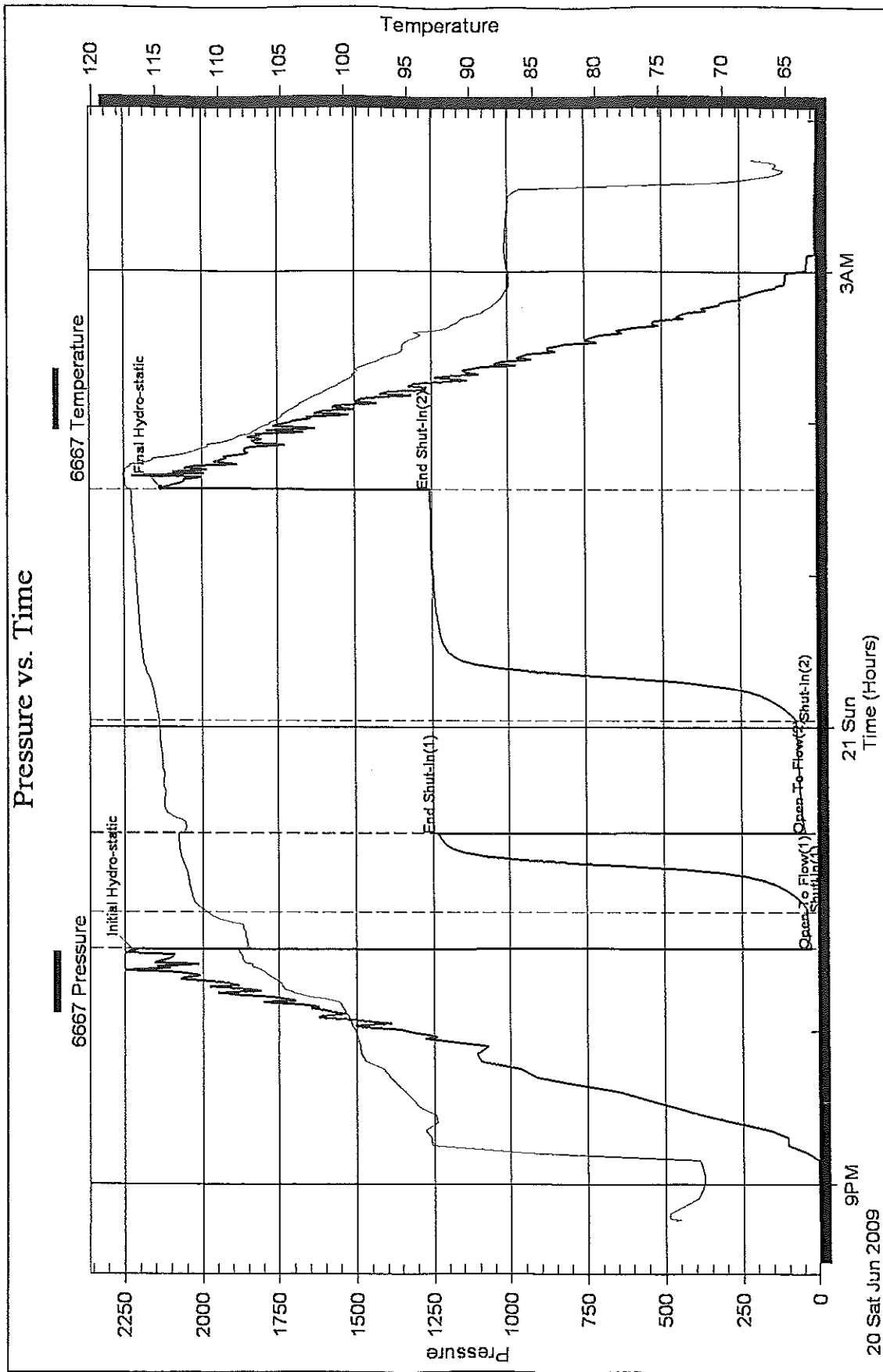
Total Length: 186.00 ft Total Volume: 0.915 bbl

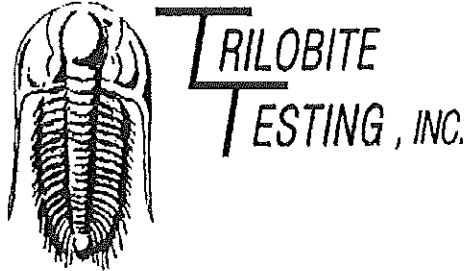
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: rw .361 @ 75'f = 18,500 chlor

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W Main St
Salem, IL 62881

ATTN: Steve Davis

15-14s-32w Logan, Ks

Ottley #2-15

Start Date: 2009.06.21 @ 14:42:05

End Date: 2009.06.21 @ 22:31:29

Job Ticket #: 34776 DST #: 7

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespeare Oil Co

Ottley #2-15

15-14s-32w Logan, Ks

DST # 7

Miss.

2009.06.21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co

202 W Main St
Salem, IL 62881

ATTN: Steve Davis

Ottley #2-15

15-14s-32w Logan, Ks

Job Ticket: 34776

DST#: 7

Test Start: 2009.06.21 @ 14:42:05

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:50:30

Time Test Ended: 22:31:29

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 48

Interval: 4345.00 ft (KB) To 4387.00 ft (KB) (TVD)

Total Depth: 4387.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3747.00 ft (KB)

3738.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8322 Inside

Press@RunDepth: 117.23 psig @ 4350.00 ft (KB)

Start Date: 2009.06.21

End Date: 2009.06.21

Start Time: 14:42:05

End Time: 22:31:29

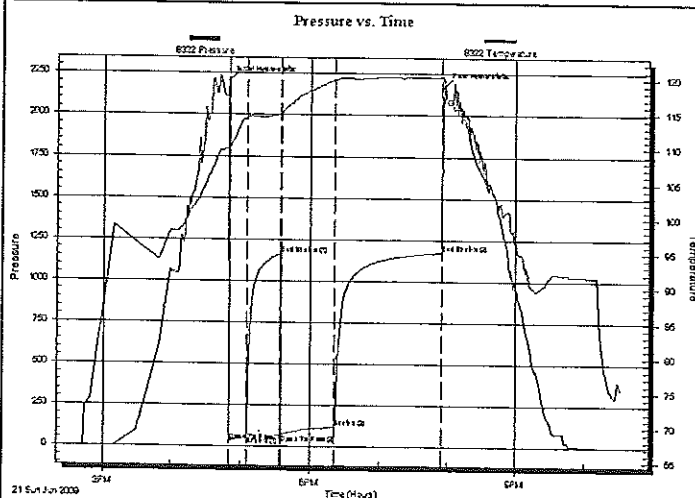
Capacity: 7000.00 psig

Last Calib.: 2009.06.21

Time On Btm: 2009.06.21 @ 16:50:00

Time Off Btm: 2009.06.21 @ 19:57:59

TEST COMMENT: IF: Built to 3 inches.
IS: No return.
FF: Built to 5 1/2 inches.
FS: Surface blow for 14 mins.



PRESSURE SUMMARY

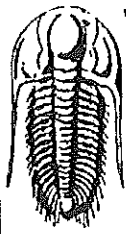
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.96	110.34	Initial Hydro-static
1	31.58	110.13	Open To Flow (1)
16	59.89	114.38	Shut-In (1)
45	1162.63	114.83	End Shut-In (1)
45	72.65	114.73	Open To Flow (2)
91	117.23	119.81	Shut-In (2)
186	1172.54	120.25	End Shut-In (2)
188	2176.86	118.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (tbt)
15.00	M 100% m	0.07
62.00	SO&WCM 5% o 10% w 85% m	0.30
144.00	OCM 15% o 85% m	1.03
0.00	GIP = 0	0.00
0.00	API = N/A	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34776

DST#: 7

ATTN: Steve Davis

Test Start: 2009.06.21 @ 14:42:05

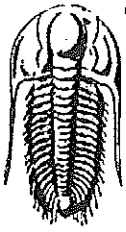
Tool Information

Drill Pipe:	Length: 4168.00 ft	Diameter: 3.80 inches	Volume: 58.47 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: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 95000.00 lb
			Total Volume: 59.38 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4345.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4322.00	
Shut In Tool	5.00			4327.00	
Hydraulic tool	5.00			4332.00	
Jars	5.00			4337.00	
Safety Joint	3.00			4340.00	
Packer	5.00			4345.00	24.00 Bottom Of Top Packer
Packer - Shale	4.00			4349.00	
Stubb	1.00			4350.00	
Recorder	0.00	8322	Inside	4350.00	
Recorder	0.00	6741	Inside	4350.00	
Perforations	32.00			4382.00	
Bullnose	5.00			4387.00	42.00 Anchor Tool

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

Ottley #2-15

202 W Main St
Salem, IL 62881

15-14s-32w Logan, Ks

Job Ticket: 34776

DST#: 7

ATTN: Steve Davis

Test Start: 2009.06.21 @ 14:42:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
15.00	M 100% _m	0.074
62.00	SO&WCM 5% _o 10% _w 85% _m	0.305
144.00	OCM 15% _o 85% _m	1.027
0.00	GIP = 0	0.000
0.00	API = NA	0.000

Total Length: 221.00 ft

Total Volume: 1.406 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

