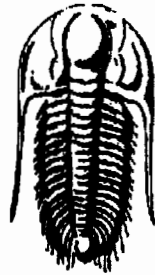


15-109-20861

15-14s-32w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil**

202 W. Main
Salem, IL 62881

CONFIDENTIAL

OCT 29 2009

KCC

ATTN: Steve Davis

S15-14-32 Logan, KS

Ottley #5-15

Start Date: 2009.10.05 @ 08:46:00

End Date: 2009.10.05 @ 16:04:45

Job Ticket #: 35329

DST #: 1

RECEIVED
NOV 02 2009
KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Shakespeare Oil

Ottley #5-15

S15-14-32 Logan, KS

DST # 1

Lansing 'D.E'

2009.10.05



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil

202 W. Main
Salem, IL 62881

ATTN: Steve Davis

Ottley #5-15

S15-14-32 Logan, KS

Job Ticket: 35329

DST#: 1

Test Start: 2009.10.05 @ 08:46:00

GENERAL INFORMATION:

Formation: **Lansing 'D,E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:59:45

Time Test Ended: 16:04:45

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **3816.00 ft (KB) To 3840.00 ft (KB) (TVD)**

Total Depth: 3840.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2752.00 ft (KB)

2742.00 ft (CF)

KB to GRV/CF: 10.00 ft

Serial #: 8351 Inside

Press@RunDepth: 116.21 psig @ 3820.00 ft (KB)

Start Date: 2009.10.05

End Date: 2009.10.05

Start Time: 08:46:01

End Time: 16:04:45

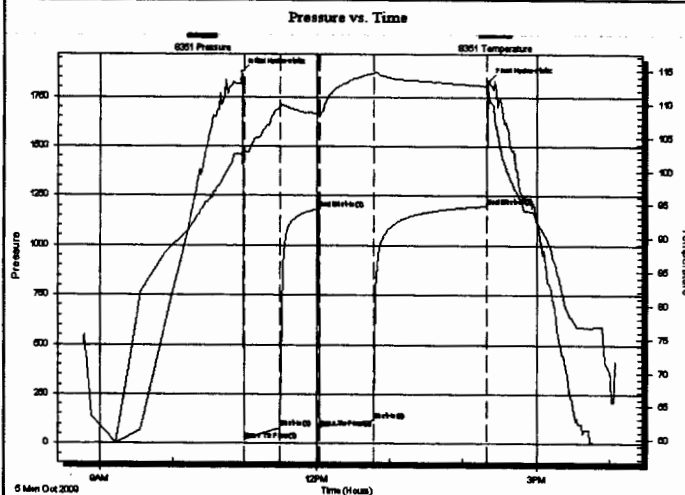
Capacity: 8000.00 psig

Last Calib.: 2009.10.05

Time On Btm: 2009.10.05 @ 10:57:45

Time Off Btm: 2009.10.05 @ 14:20:45

TEST COMMENT: IF: 5 1/2" Blow.
IS: Weak surface return.
FF: 6" Blow.
FS: Weak surface return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1875.58	102.32	Initial Hydro-static
2	18.08	102.81	Open To Flow (1)
32	76.83	109.53	Shut-in(1)
64	1183.81	108.58	End Shut-In(1)
64	80.21	108.25	Open To Flow (2)
110	116.21	114.56	Shut-in(2)
202	1198.47	112.72	End Shut-In(2)
203	1829.90	111.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MW 15%M 85%W	0.61
62.00	OSMW 30%M 70%W	0.87
40.00	OSWM 40%W 60%M	0.56
0.00	RW: .136 @ 77 Degrees F = 48000 chlori	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

15-14-32 Logan, KS

Job Ticket: 35329

DST#: 1

ATTN: Steve Davis

Test Start: 2009.10.05 @ 08:46:00

Tool Information

Drill Pipe:	Length: 3680.00 ft	Diameter: 3.80 inches	Volume: 51.62 bbl	Tool Weight: 2500.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 85000.00 lb
		Total Volume: 52.23 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	15.50 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3816.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	51.50 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			3789.50	
Shut In Tool	5.00			3794.50	
Hydraulic tool	5.00			3799.50	
Jars	5.00			3804.50	
Safety Joint	2.50			3807.00	
Packer	5.00			3812.00	27.50 Bottom Of Top Packer
Packer	4.00			3816.00	
Stubb	1.00			3817.00	
Perforations	3.00			3820.00	
Recorder	0.00	8359	Inside	3820.00	
Recorder	0.00	8351	Inside	3820.00	
Perforations	15.00			3835.00	
Bullnose	5.00			3840.00	24.00 Bottom Packers & Anchor

Total Tool Length: 51.50



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

15-14-32 Logan, KS

Job Ticket: 35329

DST#: 1

ATTN: Steve Davis

Test Start: 2009.10.05 @ 08:46:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 5.98 in³

Resistivity: 0.00 ohm.m

Salinity: 2200.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbf

psig

Oil API:

0 deg API

Water Salinity:

48000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
124.00	MW 15%M 85%W	0.610
62.00	OSMW 30%M 70%W	0.870
40.00	OSWM 40%W 60%M	0.561
0.00	RW: .136 @ 77 Degrees F = 48000 chloride	0.000

Total Length: 226.00 ft

Total Volume: 2.041 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

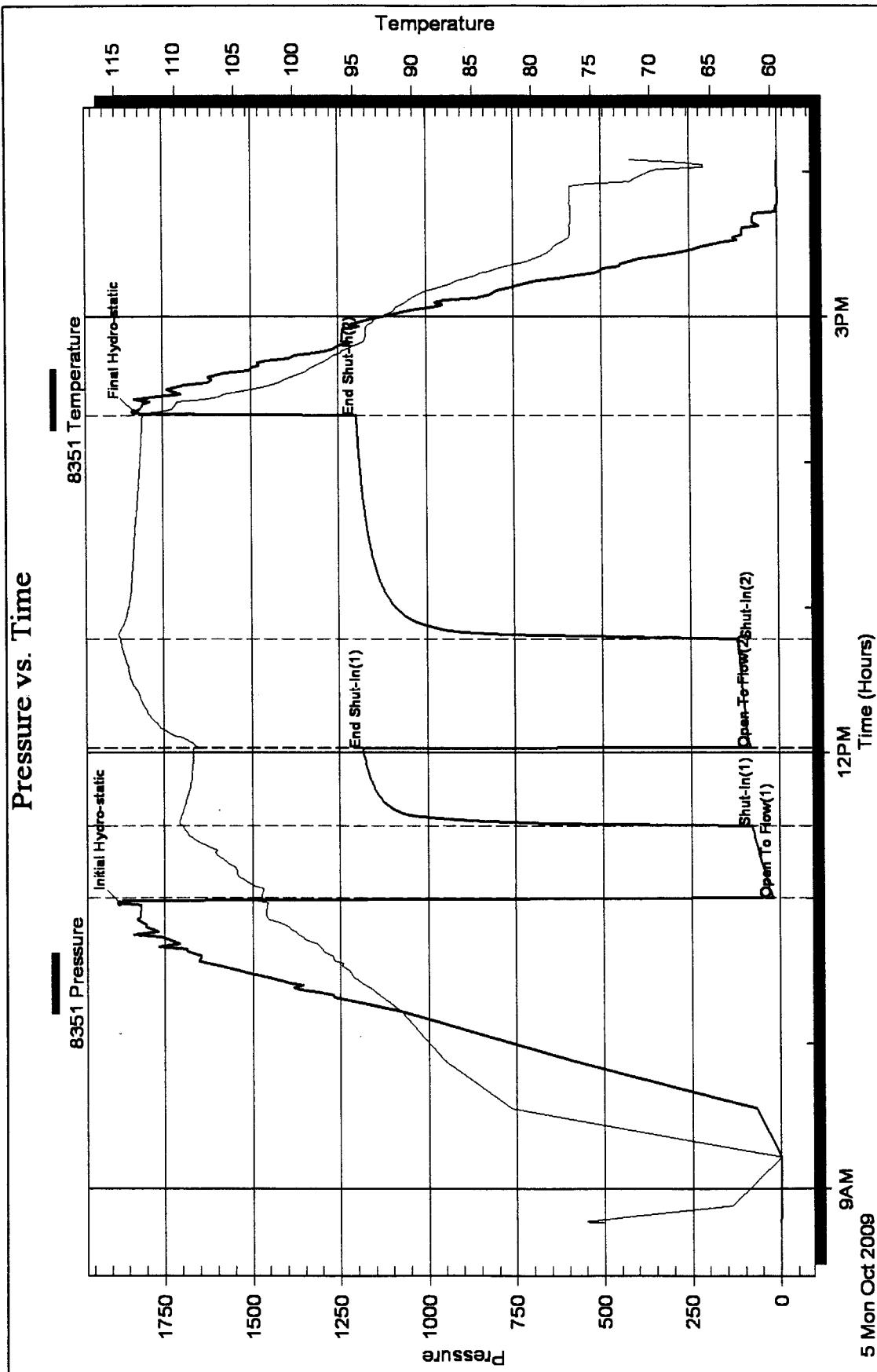
15-14-32 Logan, KS

Shakespeare Oil

Inside

Serial #: 8351

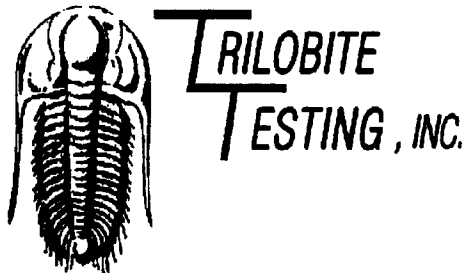
Pressure vs. Time



Ref. No: 35329

Trilobite Testing, Inc

Printed: 2009.10.22 @ 08:44:07 Page 5



DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil**

202 W. Main
Salem, IL 62881

ATTN: Steve Davis

15-14-32 Logan, KS

Ottley #5-15

Start Date: 2009.10.06 @ 09:10:00

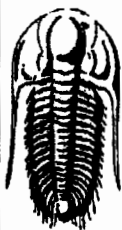
End Date: 2009.10.06 @ 15:39:30

Job Ticket #: 35330 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil

202 W. Main
Salem, IL 62881

ATTN: Steve Davis

Ottley #5-15

15-14-32 Logan, KS

Job Ticket: 35330

DST#: 2

Test Start: 2009.10.06 @ 09:10:00

GENERAL INFORMATION:

Formation: **LKC 'H'**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 10:53:15

Time Test Ended: 15:39:30

Test Type: **Conventional Bottom Hole**

Tester: **Chuck Smith**

Unit No: **37**

Interval: **3901.00 ft (KB) To 3940.00 ft (KB) (TVD)**

Total Depth: **3940.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2752.00 ft (KB)**

2742.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8351

Inside

Press@RunDepth: **175.12 psig @ 3906.00 ft (KB)**

Start Date: **2009.10.06**

End Date:

2009.10.06

Start Time: **09:10:01**

End Time:

15:39:30

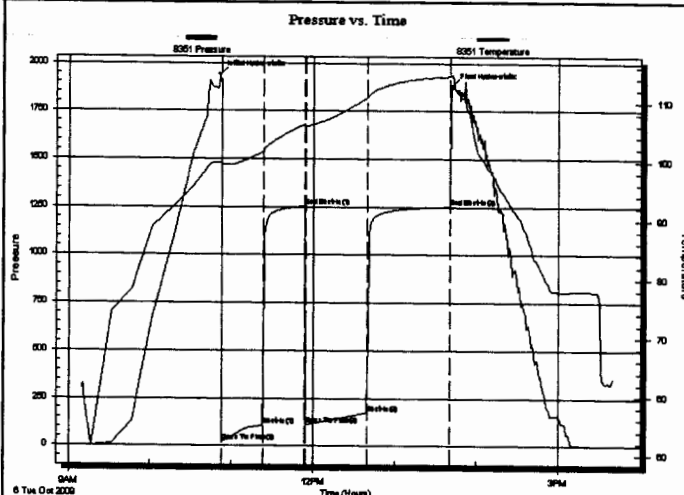
Capacity: **8000.00 psig**

Last Calib.: **2009.10.06**

Time On Btm: **2009.10.06 @ 10:51:30**

Time Off Btm: **2009.10.06 @ 13:42:30**

TEST COMMENT: IF: 9" Blow.
ISI: No return.
FF: 11" Blow.
FSI: Weak surface return.



PRESSURE SUMMARY

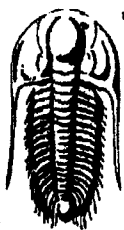
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1938.33	99.81	Initial Hydro-static
2	20.08	99.22	Open To Flow (1)
32	108.39	101.65	Shut-In (1)
62	1253.40	106.26	End Shut-In (1)
63	111.13	105.96	Open To Flow (2)
108	175.12	110.75	Shut-In (2)
170	1251.94	114.47	End Shut-In (2)
171	1879.50	114.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MW 10%M 90%W	0.61
121.00	OSMV 45%M 55%W	1.70
30.00	OSVM 30%W 70%M	0.42
0.00	RW: .145 @ 64 Degrees F = 52000 chlori	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

15-14-32 Logan, KS

Job Ticket: 35330

DST#: 2

ATTN: Steve Davis

Test Start: 2009.10.06 @ 09:10:00

Tool Information

Drill Pipe:	Length: 3770.00 ft	Diameter: 3.80 inches	Volume: 52.88 bbl	Tool Weight: 2500.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 100000.0 lb
			Total Volume: 53.49 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.50 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3901.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	66.50 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			3874.50	
Shut In Tool	5.00			3879.50	
Hydraulic tool	5.00			3884.50	
Jars	5.00			3889.50	
Safety Joint	2.50			3892.00	
Packer	5.00			3897.00	27.50 Bottom Of Top Packer
Packer	4.00			3901.00	
Stubb	1.00			3902.00	
Perforations	4.00			3906.00	
Recorder	0.00	8359	Inside	3906.00	
Recorder	0.00	8351	Inside	3906.00	
Change Over Sub	1.00			3907.00	
Drill Pipe	30.00			3937.00	
Change Over Sub	1.00			3938.00	
Bullnose	2.00			3940.00	39.00 Bottom Packers & Anchor

Total Tool Length: 66.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

15-14-32 Logan, KS

Job Ticket: 35330

DST#: 2

ATTN: Steve Davis

Test Start: 2009.10.06 @ 09:10:00

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: 52000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	MW 10%M 90%W	0.610
121.00	OSMW 45%M 55%W	1.697
30.00	OSWM 30%W 70%M	0.421
0.00	RW: .145 @ 64 Degrees F = 52000 chloride	0.000

Total Length: 275.00 ft

Total Volume: 2.728 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

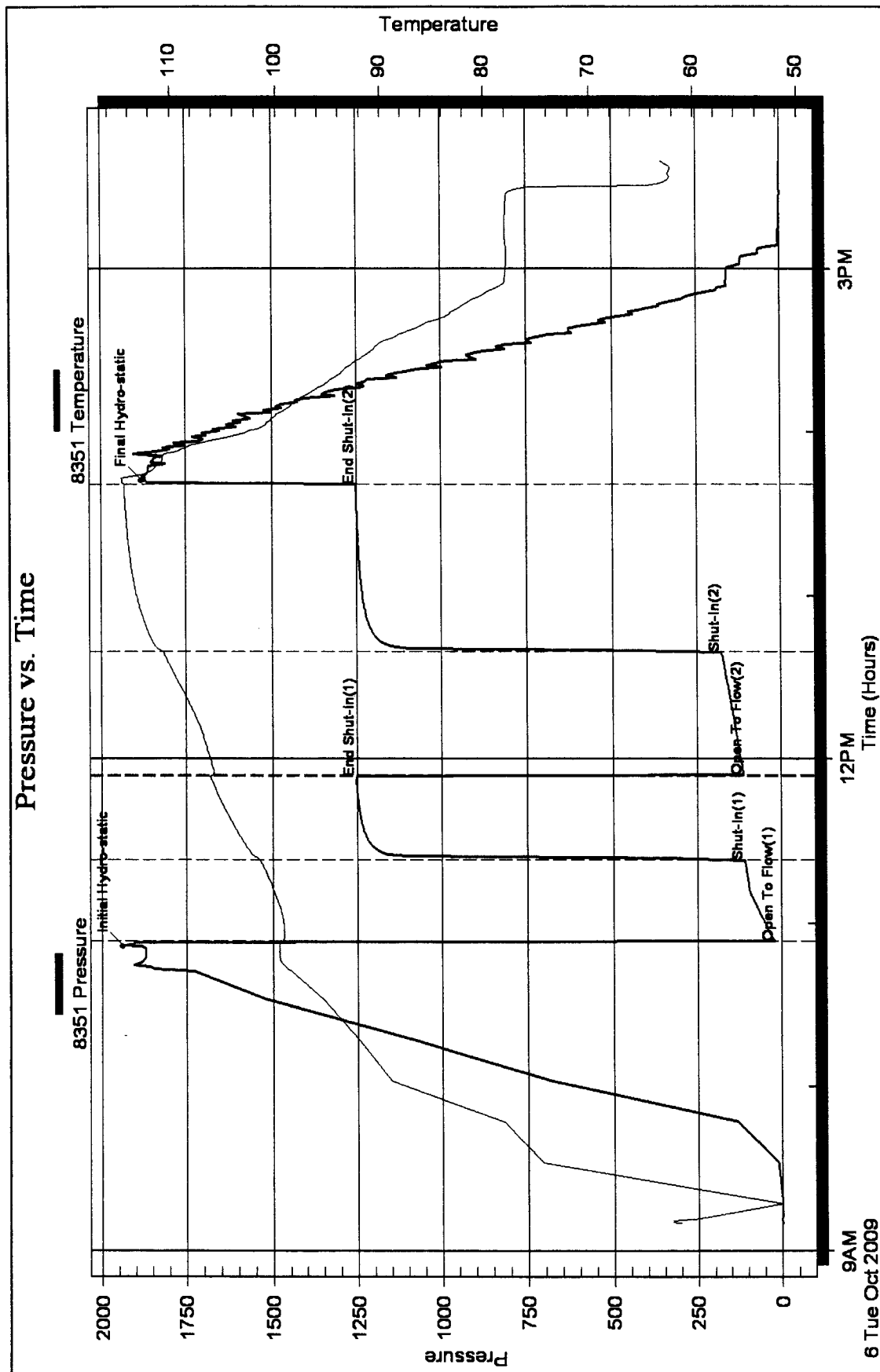
Serial #:

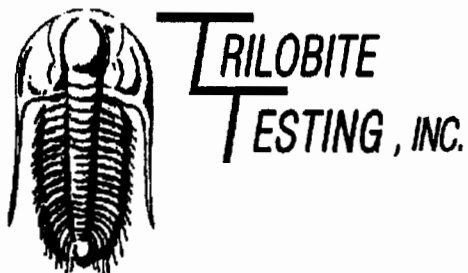
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil**

202 W. Main
Salem, IL 62881

ATTN: Steve Davis

15-14-32 Logan, KS

Ottley #5-15

Start Date: 2009.10.07 @ 00:17:00

End Date: 2009.10.07 @ 08:15:36

Job Ticket #: 35331 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Shakespeare Oil

Ottley #5-15

15-14-32 Logan, KS

DST # 3

LKC '1'

2009.10.07



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil

202 W. Main
Salem, IL 62881

ATTN: Steve Davis

Ottley #5-15

15-14-32 Logan, KS

Job Ticket: 35331

DST#: 3

Test Start: 2009.10.07 @ 00:17:00

GENERAL INFORMATION:

Formation: LKC 'I'

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:31:24

Time Test Ended: 08:15:36

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 3942.00 ft (KB) To 3973.00 ft (KB) (TVD)

Total Depth: 3973.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2752.00 ft (KB)

2742.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8359 Inside

Press@RunDepth: 199.98 psig @ 3948.00 ft (KB)

Start Date: 2009.10.07

End Date:

2009.10.07

Start Time: 00:17:05

End Time:

08:15:36

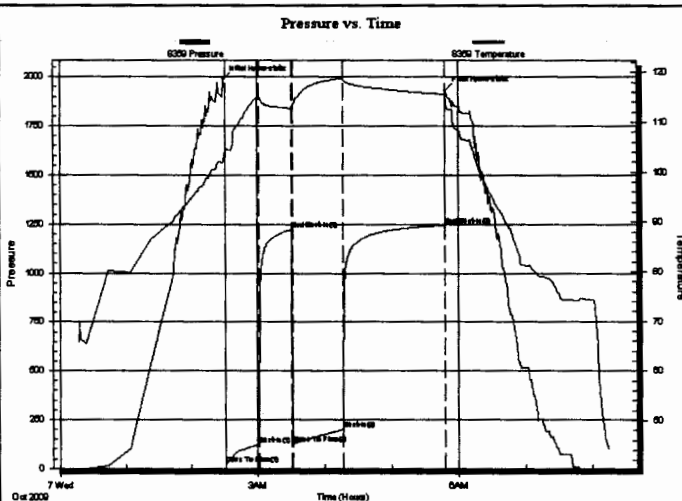
Capacity: 8000.00 psig

Last Calib.: 2009.10.07

Time On Btrr: 2009.10.07 @ 02:29:48

Time Off Btrr: 2009.10.07 @ 05:48:47

TEST COMMENT: IF: B.O.B. @ 22 min.
IS: 1/2" Return.
FF: B.O.B. @ 30 min.
FS: 3 1/2" Return.



PRESSURE SUMMARY

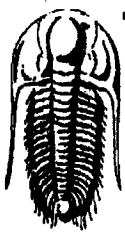
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1986.93	102.37	Initial Hydro-static
2	24.84	103.84	Open To Flow (1)
32	123.46	115.26	Shut-In (1)
62	1223.58	112.75	End Shut-In (1)
62	127.24	113.18	Open To Flow (2)
107	199.98	118.76	Shut-In (2)
198	1243.91	115.62	End Shut-In (2)
199	1930.88	113.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	OSMW 50%M 50%W	0.30
45.00	GMWCO 5%G 10%M 35%W 50%O	0.22
0.00	RW: .190 @ 50 Degrees F = 50000 chlor	0.00
0.00	205 Feet GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

15-14-32 Logan, KS

Job Ticket: 35331

DST#: 3

ATTN: Steve Davis

Test Start: 2009.10.07 @ 00:17:00

Tool Information

Drill Pipe:	Length: 3800.00 ft	Diameter: 3.80 inches	Volume: 53.30 bbl	Tool Weight:	2500.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	90000.00 lb
		Total Volume:	53.91 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.50 ft			String Weight: Initial	69000.00 lb
Depth to Top Packer:	3942.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	31.00 ft				
Tool Length:	58.50 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			3915.50	
Shut In Tool	5.00			3920.50	
Hydraulic tool	5.00			3925.50	
Jars	5.00			3930.50	
Safety Joint	2.50			3933.00	
Packer	5.00			3938.00	27.50 Bottom Of Top Packer
Packer	4.00			3942.00	
Stubb	1.00			3943.00	
Perforations	5.00			3948.00	
Recorder	0.00	8359	Inside	3948.00	
Recorder	0.00	8351	Inside	3948.00	
Perforations	20.00			3968.00	
Bullnose	5.00			3973.00	31.00 Bottom Packers & Anchor

Total Tool Length: 58.50



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

15-14-32 Logan, KS

Job Ticket: 35331

DST#: 3

ATTN: Steve Davis

Test Start: 2009.10.07 @ 00:17:00

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:

50000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	OSMW 50%M 50%W	0.300
45.00	GMMCO 5%G 10%M 35%W 50%O	0.221
0.00	RW: .190 @ 50 Degrees F = 50000 chlorid	0.000
0.00	205 Feet GIP	0.000

Total Length:

ft

Total Volume:

4.664 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

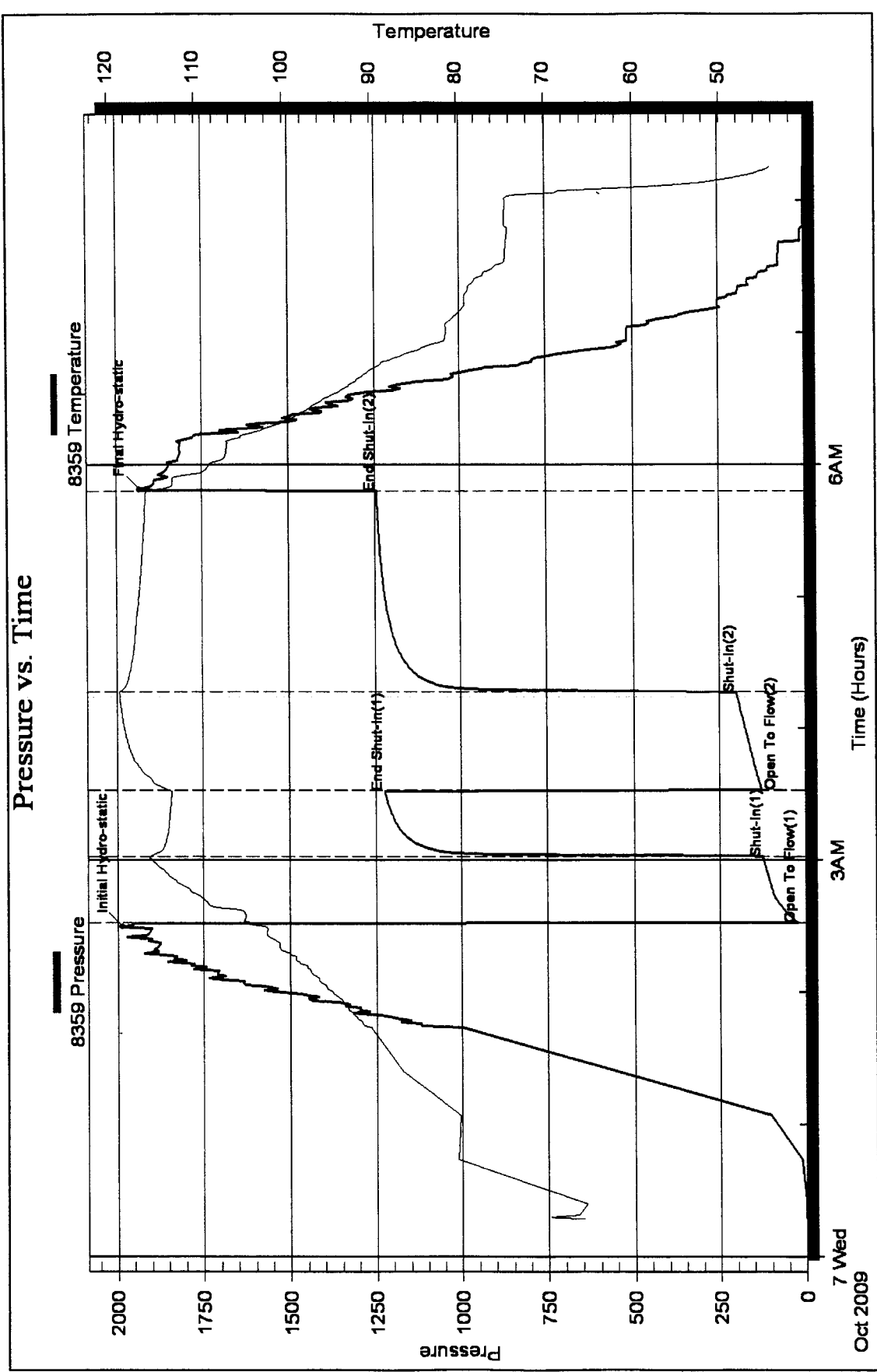
Serial #:

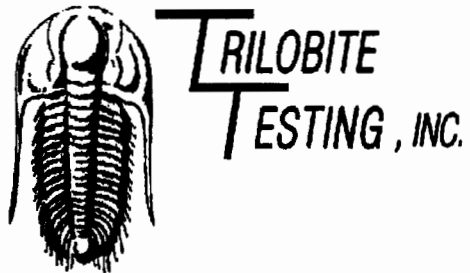
Laboratory Name:

Laboratory Location:

Recovery Comments: API: 35 @ 50 Degrees F = 36.

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil**

202 W. Main
Salem, IL 62881

ATTN: Steve Davis

15-14-32 Logan, KS

Ottley #5-15

Start Date: 2009.10.07 @ 15:31:00

End Date: 2009.10.07 @ 20:50:47

Job Ticket #: 35332 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil

202 W. Main
Salem, IL 62881

ATTN: Steve Davis

Ottley #5-15

15-14-32 Logan, KS

Job Ticket: 35332

DST#: 4

Test Start: 2009.10.07 @ 15:31:00

GENERAL INFORMATION:

Formation: LKC 'J'

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:05:00

Time Test Ended: 20:50:47

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 3972.00 ft (KB) To 3998.00 ft (KB) (TVD)

Total Depth: 3998.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2752.00 ft (KB)

2742.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8359

Inside

Press@RunDepth: 77.12 psig @ 3973.00 ft (KB)

Start Date: 2009.10.07

End Date: 2009.10.07

Start Time: 15:31:05

End Time: 20:50:48

Capacity: 8000.00 psig

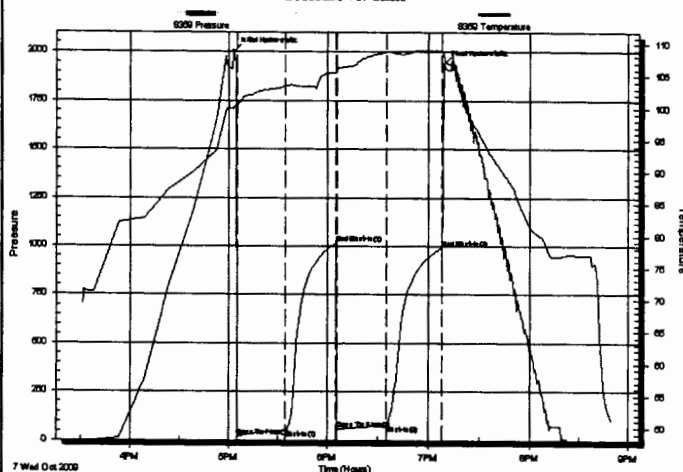
Last Calib.: 2009.10.07

Time On Btrr: 2009.10.07 @ 17:03:24

Time Off Btrr: 2009.10.07 @ 19:08:36

TEST COMMENT: IF: 3" Blow.
IS: No return.
FF: 2" Blow.
FS: Weak surface return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2002.19	99.92	Initial Hydro-static
2	20.00	100.11	Open To Flow (1)
32	51.40	103.46	Shut-In(1)
62	1016.25	105.49	End Shut-In(1)
63	57.66	106.10	Open To Flow (2)
92	77.12	108.76	Shut-In(2)
125	991.90	108.98	End Shut-In(2)
126	1935.71	108.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOCM 2%O 98%M	0.30
62.00	OSWM 27%W 73%M	0.30
0.00	RW: .245 @ 56 Degrees F = 40000 chlori0.00	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

15-14-32 Logan, KS

Job Ticket: 35332

DST#: 4

ATTN: Steve Davis

Test Start: 2009.10.07 @ 15:31:00

Tool Information

Drill Pipe:	Length: 3831.00 ft	Diameter: 3.80 inches	Volume: 53.74 bbl	Tool Weight:	2500.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	90000.00 lb		
			Total Volume:	54.35 bbl	Tool Chased	0.00 ft	
Drill Pipe Above KB:	10.50 ft			String Weight: Initial	69000.00 lb	Final	70000.00 lb
Depth to Top Packer:	3972.00 ft						
Depth to Bottom Packer:	ft						
Interval between Packers:	26.00 ft						
Tool Length:	53.50 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			3945.50	
Shut In Tool	5.00			3950.50	
Hydraulic tool	5.00			3955.50	
Jars	5.00			3960.50	
Safety Joint	2.50			3963.00	
Packer	5.00			3968.00	27.50 Bottom Of Top Packer
Packer	4.00			3972.00	
Stubb	1.00			3973.00	
Recorder	0.00	8359	Inside	3973.00	
Recorder	0.00	8351	Inside	3973.00	
Perforations	20.00			3993.00	
Bullnose	5.00			3998.00	26.00 Bottom Packers & Anchor

Total Tool Length: 53.50



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

15-14-32 Logan, KS

Job Ticket: 35332

DST#: 4

ATTN: Steve Davis

Test Start: 2009.10.07 @ 15:31:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 6.39 in³

Resistivity: 0.00 ohm.m

Salinity: 5600.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

0 deg API

Water Salinity: 40000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	SOCM 2%O 98%M	0.305
62.00	OSWM 27%W 73%M	0.305
0.00	RW: .245 @ 56 Degrees F = 40000 chloride	0.000

Total Length: 124.00 ft

Total Volume: 0.610 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

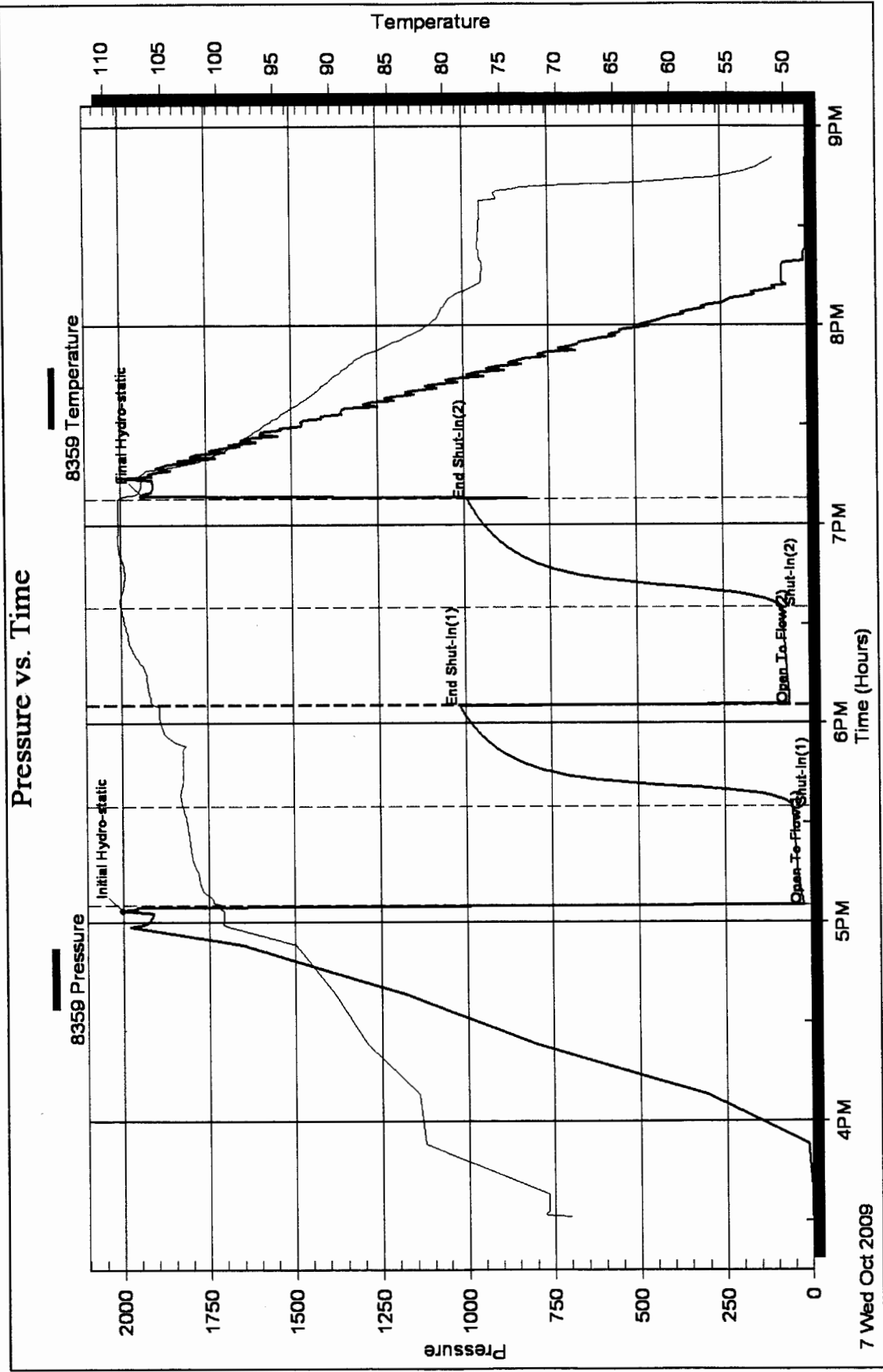
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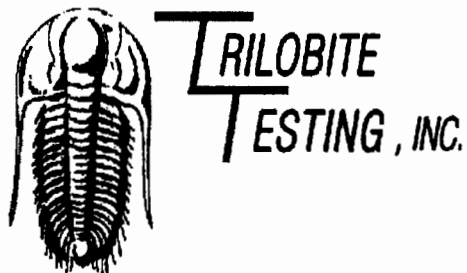
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil**

202 W. Main
Salem, IL 62881

ATTN: Steve Davis

15-14-32 Logan, KS

Ottley #5-15

Start Date: 2009.10.09 @ 07:43:00

End Date: 2009.10.09 @ 15:21:36

Job Ticket #: 35333 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil

202 W. Main
Salem, IL 62881

ATTN: Steve Davis

Ottley #5-15

15-14-32 Logan, KS

Job Ticket: 35333

DST#: 5

Test Start: 2009.10.09 @ 07:43:00

GENERAL INFORMATION:

Formation: **Myric St./Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:41:48

Time Test Ended: 15:21:36

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **4226.00 ft (KB) To 4278.00 ft (KB) (TVD)**

Total Depth: 4278.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2752.00 ft (KB)

2742.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8359

Inside

Press@RunDepth: 97.64 psig @ 4227.00 ft (KB)

Start Date: 2009.10.09

End Date: 2009.10.09

Start Time: 07:43:05

End Time: 15:21:36

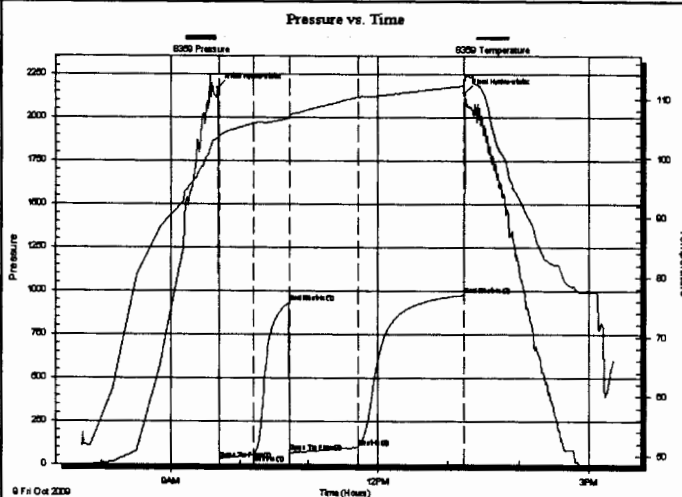
Capacity: 8000.00 psig

Last Calib.: 2009.10.09

Time On Btm: 2009.10.09 @ 09:40:48

Time Off Btm: 2009.10.09 @ 13:14:36

TEST COMMENT: IF: 3 1/2" Blow.
IS: Weak surface return.
FF: 4" Blow.
FS: 1/2" Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2168.97	103.32	Initial Hydro-static
1	28.61	103.21	Open To Flow (1)
31	55.77	105.91	Shut-In (1)
63	931.21	106.70	End Shut-In (1)
63	69.07	107.21	Open To Flow (2)
123	97.64	110.31	Shut-In (2)
214	974.74	112.24	End Shut-In (2)
214	2141.69	113.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	SOWCM 1%O 9%W 90%M	0.61
20.00	OWCM 7%O 13%W 80%M	0.28
0.00	Feet GP	0.00
0.00	RW: .260 @ 65 Degrees F = 29000 chlori	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

15-14-32 Logan, KS

Job Ticket: 35333

DST#: 5

ATTN: Steve Davis

Test Start: 2009.10.09 @ 07:43:00

Tool Information

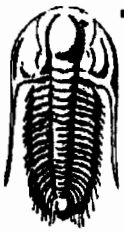
Drill Pipe:	Length: 4106.00 ft	Diameter: 3.80 inches	Volume: 57.60 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume: 58.21 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	31.50 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4226.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	79.50 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			4199.50	
Shut In Tool	5.00			4204.50	
Hydraulic tool	5.00			4209.50	
Jars	5.00			4214.50	
Safety Joint	2.50			4217.00	
Packer	5.00			4222.00	27.50 Bottom Of Top Packer
Packer	4.00			4226.00	
Stubb	1.00			4227.00	
Recorder	0.00	8359	Inside	4227.00	
Recorder	0.00	8351	Inside	4227.00	
Perforations	14.00			4241.00	
Change Over Sub	1.00			4242.00	
Drill Pipe	30.00			4272.00	
Change Over Sub	1.00			4273.00	
Bullnose	5.00			4278.00	52.00 Bottom Packers & Anchor

Total Tool Length: 79.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

15-14-32 Logan, KS

Job Ticket: 35333

DST#: 5

ATTN: Steve Davis

Test Start: 2009.10.09 @ 07:43:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

29000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
124.00	SOWCM 1%O 9%W 90%M	0.610
20.00	OWCM 7%O 13%W 80%M	0.281
0.00	Feet GIP	0.000
0.00	RW: .260 @ 65 Degrees F = 29000 chloride	0.000

Total Length: 144.00 ft

Total Volume:

0.891 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

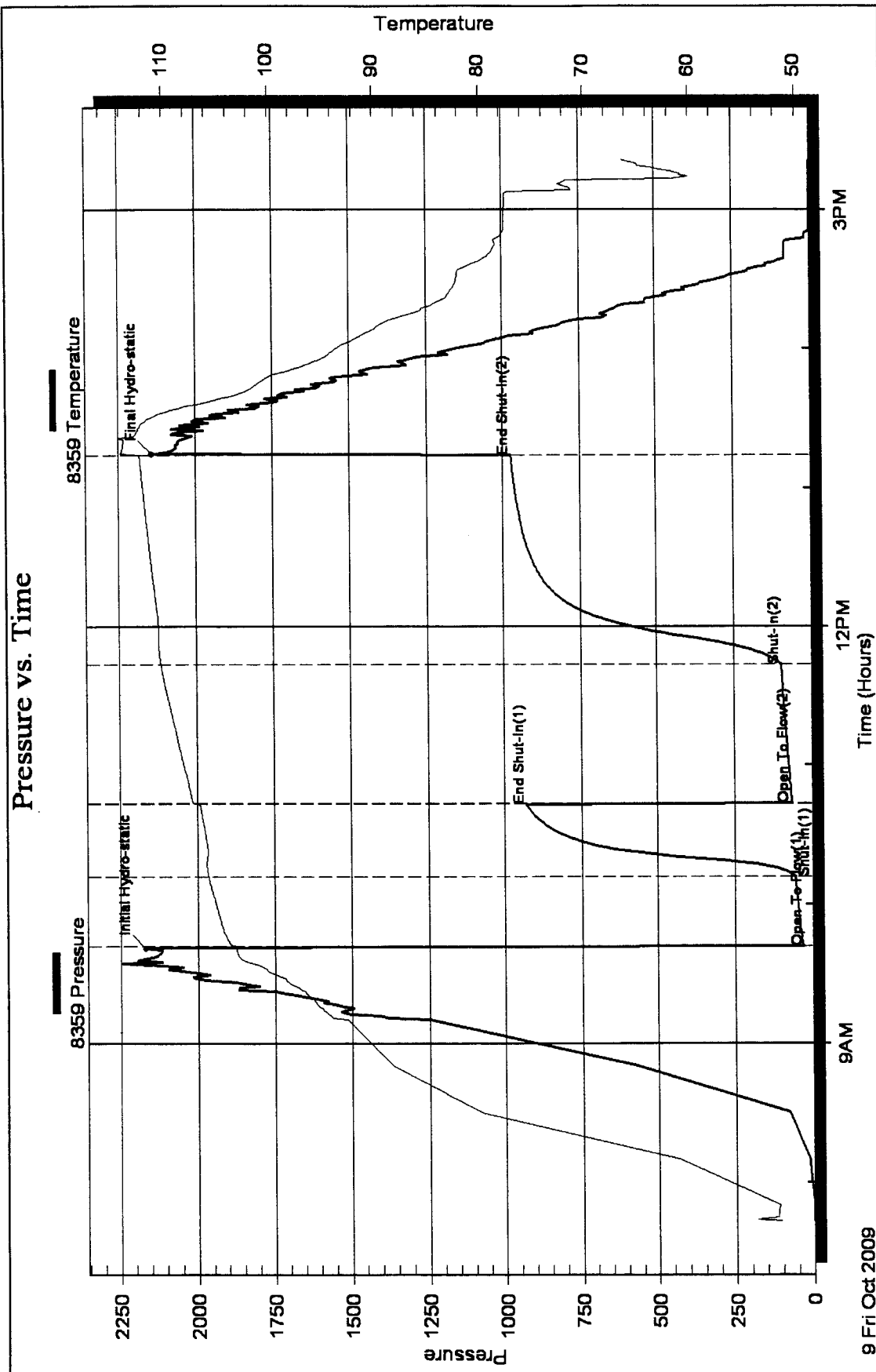
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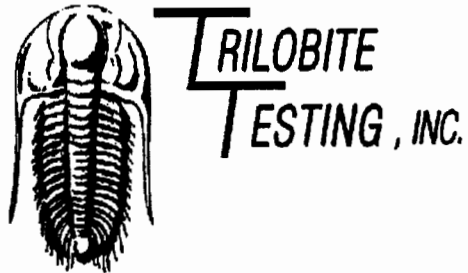
Laboratory Name:

Laboratory Location:

Recovery Comments: API: 35 @ 60 Degrees F = 35.

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil**

202 W. Main
Salem, IL 62881

ATTN: Steve Davis

15-14-32 Logan, KS

Ottley #5-15

Start Date: 2009.10.10 @ 05:33:40

End Date: 2009.10.10 @ 13:41:27

Job Ticket #: 35334 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil

202 W. Main
Salem, IL 62881

ATTN: Steve Davis

Ottley #5-15

15-14-32 Logan, KS

Job Ticket: 35334

DST#: 6

Test Start: 2009.10.10 @ 05:33:40

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 08:01:04

Time Test Ended: 13:41:27

Test Type: **Conventional Bottom Hole**

Tester: **Chuck Smith**

Unit No: **37**

Interval: **4303.00 ft (KB) To 4355.00 ft (KB) (TVD)**

Total Depth: **4355.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2752.00 ft (KB)**

2742.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8359 **Inside**

Press@RunDepth: **80.54 psig @ 4304.00 ft (KB)**

Start Date: **2009.10.10**

End Date:

2009.10.10

Capacity: **8000.00 psig**

Last Calib.: **2009.10.10**

Start Time: **05:33:45**

End Time:

13:41:28

Time On Btm: **2009.10.10 @ 07:59:28**

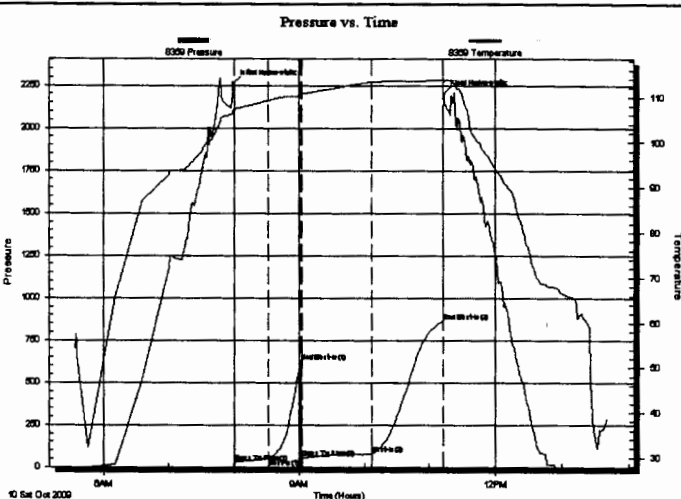
Time Off Btm: **2009.10.10 @ 11:13:27**

TEST COMMENT: **IF: 2 1/2" Blow.**

ISI: No return.

FF: 3" Blow.

FSI: Surface return died @ 25 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2260.42	106.87	Initial Hydro-static
2	28.79	106.79	Open To Flow (1)
32	49.64	109.23	Shut-in (1)
62	625.85	110.23	End Shut-in (1)
63	54.20	110.73	Open To Flow (2)
128	80.54	113.33	Shut-in (2)
193	862.59	113.88	End Shut-in (2)
194	2201.59	113.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	GOCM 5%G 4%O 91%M	0.15
62.00	GOCM 10%G 1%O 89%M	0.30
0.00	90 Feet GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

15-14-32 Logan, KS

Job Ticket: 35334

DST#: 6

ATTN: Steve Davis

Test Start: 2009.10.10 @ 05:33:40

Tool Information

Drill Pipe:	Length: 4165.00 ft	Diameter: 3.80 inches	Volume: 58.42 bbl	Tool Weight: 2500.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume:	59.03 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.50 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4303.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	79.50 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			4276.50	
Shut In Tool	5.00			4281.50	
Hydraulic tool	5.00			4286.50	
Jars	5.00			4291.50	
Safety Joint	2.50			4294.00	
Packer	5.00			4299.00	27.50 Bottom Of Top Packer
Packer	4.00			4303.00	
Stubb	1.00			4304.00	
Recorder	0.00	8359	Inside	4304.00	
Recorder	0.00	8351	Inside	4304.00	
Perforations	14.00			4318.00	
Change Over Sub	1.00			4319.00	
Drill Pipe	30.00			4349.00	
Change Over Sub	1.00			4350.00	
Bullnose	5.00			4355.00	52.00 Bottom Packers & Anchor

Total Tool Length: 79.50



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

15-14-32 Logan, KS

Job Ticket: 35334

DST#: 6

ATTN: Steve Davis

Test Start: 2009.10.10 @ 05:33:40

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 7.19 in³

Resistivity: 0.00 ohm.m

Salinity: 5000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

0 deg API

Water Salinity:

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	GOCM 5%G 4%O 91%M	0.148
62.00	GOCM 10%G 1%O 89%M	0.305
0.00	90 Feet GIP	0.000

Total Length: 92.00 ft

Total Volume: 0.453 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

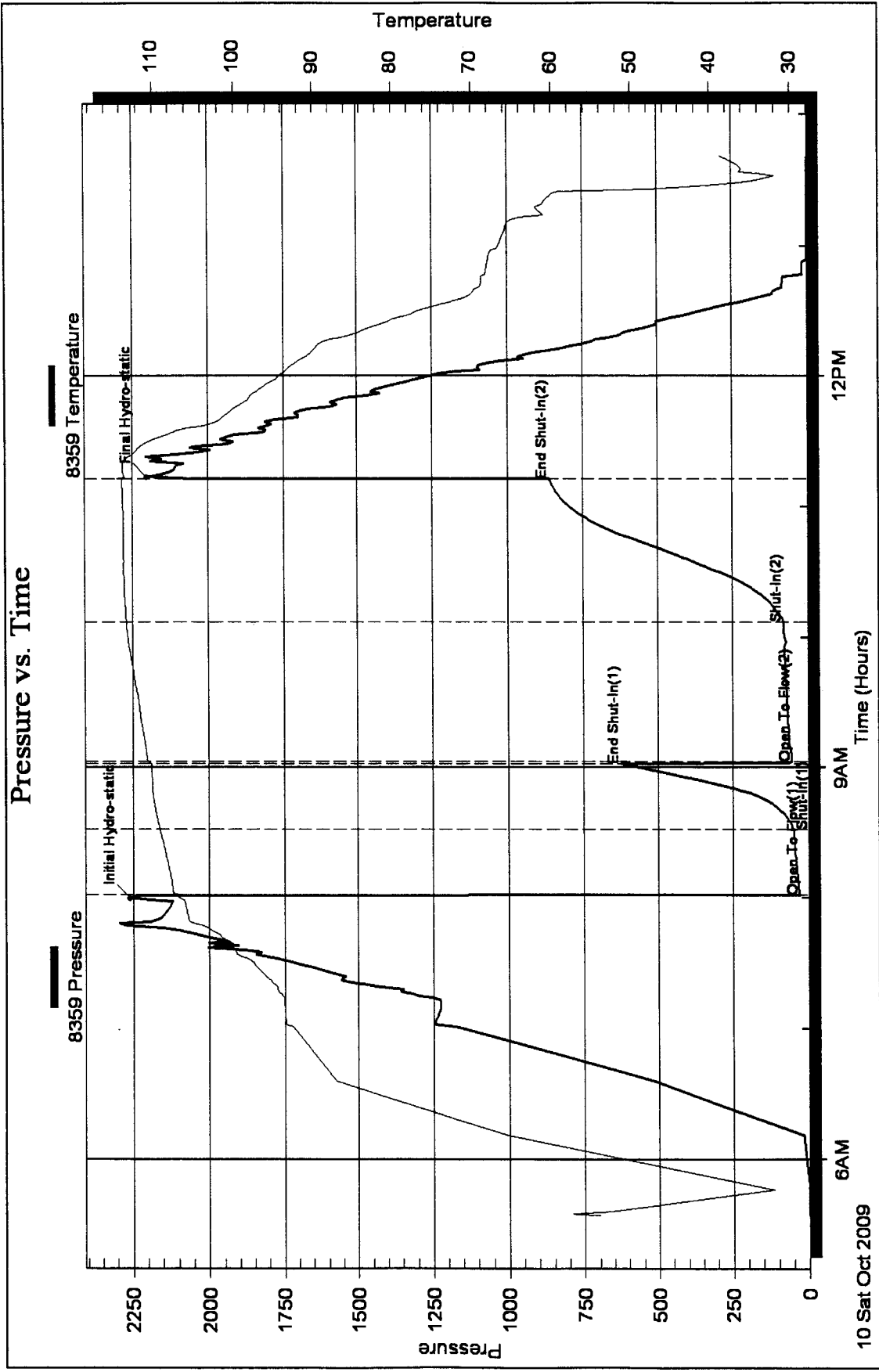
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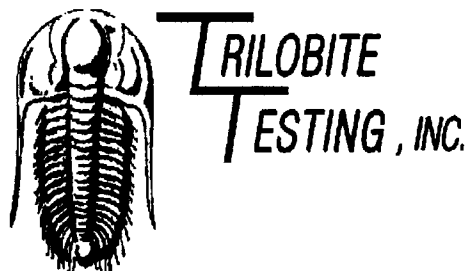
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil**

202 W. Main
Salem, IL 62881

ATTN: Steve Davis

15-14-32 Logan, KS

Ottley #5-15

Start Date: 2009.10.11 @ 00:56:35

End Date: 2009.10.11 @ 10:30:05

Job Ticket #: 35335 DST #: 7

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil

202 W. Main
Salem, IL 62881

ATTN: Steve Davis

Ottley #5-15

15-14-32 Logan, KS

Job Ticket: 35335

DST#: 7

Test Start: 2009.10.11 @ 00:56:35

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:14:05

Time Test Ended: 10:30:05

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **4349.00 ft (KB) To 4390.00 ft (KB) (TVD)**

Total Depth: 4390.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2752.00 ft (KB)

2742.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8351

Inside

Press@RunDepth: 386.20 psig @ 4353.00 ft (KB)

Start Date: 2009.10.11

End Date:

2009.10.11

Start Time: 00:56:36

End Time:

10:30:05

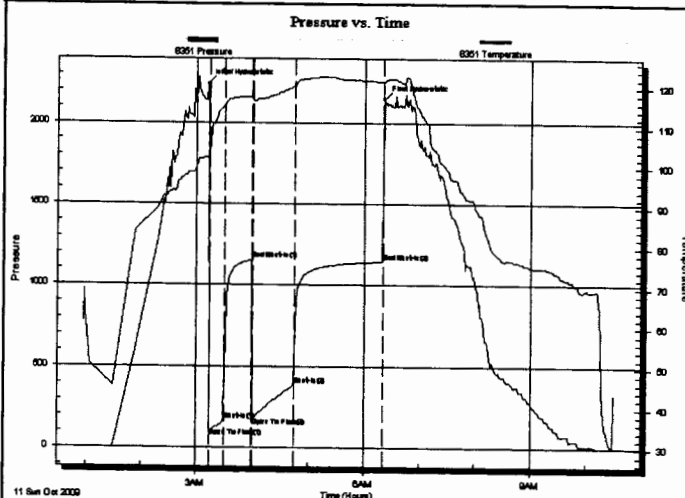
Capacity: 8000.00 psig

Last Calib.: 2009.10.11

Time On Btm: 2009.10.11 @ 03:12:20

Time Off Btm: 2009.10.11 @ 06:20:50

TEST COMMENT: IF: B.O.B. @ 4 min.
IS: B.O.B. @ 7 min.
FF: B.O.B. @ 3 1/2 min.
FS: B.O.B. @ 9 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2239.35	102.54	Initial Hydro-static
2	67.91	102.26	Open To Flow (1)
18	166.51	115.23	Shut-In (1)
48	1153.58	117.58	End Shut-In (1)
49	185.57	117.12	Open To Flow (2)
93	386.20	120.31	Shut-In (2)
188	1144.01	121.38	End Shut-In (2)
189	2144.90	121.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
246.00	GWSOCM 20%G 1%W 1%O 78%M	2.32
183.00	GOCM 30%G 20%O 50%M	2.57
550.00	GO 35%G 65%O	7.72
0.00	1280 Feet GIP	0.00
0.00	Too small amount to get chlorides	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

15-14-32 Logan, KS

Job Ticket: 35335

DST#: 7

ATTN: Steve Davis

Test Start: 2009.10.11 @ 00:56:35

Tool Information

Drill Pipe:	Length: 4228.00 ft	Diameter: 3.80 inches	Volume: 59.31 bbl	Tool Weight:	2500.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	90000.00 lb
		Total Volume:	59.92 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.50 ft			String Weight: Initial	69000.00 lb
Depth to Top Packer:	4349.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	41.00 ft				
Tool Length:	68.50 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			4322.50	
Shut In Tool	5.00			4327.50	
Hydraulic tool	5.00			4332.50	
Jars	5.00			4337.50	
Safety Joint	2.50			4340.00	
Packer	5.00			4345.00	27.50 Bottom Of Top Packer
Packer	4.00			4349.00	
Stubb	1.00			4350.00	
Perforations	3.00			4353.00	
Recorder	0.00	8359	Inside	4353.00	
Recorder	0.00	8351	Inside	4353.00	
Change Over Sub	1.00			4354.00	
Drill Pipe	30.00			4384.00	
Change Over Sub	1.00			4385.00	
Bullnose	5.00			4390.00	41.00 Bottom Packers & Anchor

Total Tool Length: 68.50



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

15-14-32 Logan, KS

Job Ticket: 35335

DST#: 7

ATTN: Steve Davis

Test Start: 2009.10.11 @ 00:56:35

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 6.79 in³

Resistivity: 0.00 ohm.m

Salinity: 4400.00 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:

36 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
246.00	GWSOCM 20%G 1%W 1%O 78%M	2.321
183.00	GOCM 30%G 20%O 50%M	2.567
550.00	GO 35%G 65%O	7.715
0.00	1280 Feet GIP	0.000
0.00	Too small amount to get chlorides	0.000

Total Length: 979.00 ft

Total Volume: 12.603 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 33 @ 40 Degrees F = 36.

Pressure vs. Time

