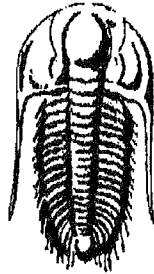


15-083-21612

26-22s-24w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Zinszer Oil Company Inc**

PO Box 211
Hays Ks 67601

ATTN: Perry Henman

26-22 24 Hodgeman KS

Springer #5

Start Date: 2009.10.19 @ 17:28:16

End Date: 2009.10.19 @ 22:30:40

Job Ticket #: 36681 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Zinszer Oil Company Inc

Springer #5

26-22 24 Hodgeman KS

DST # 1

Miss

2009.10.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Zinszer Oil Company Inc

Springer #5

PO Box 211
Hays Ks 67601

26-22 24 Hodgeman KS

ATTN: Perry Henman

Job Ticket: 36681

DST#: 1

Test Start: 2009.10.19 @ 17:28:16

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:17:41

Time Test Ended: 22:30:40

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **4577.00 ft (KB) To 4620.00 ft (KB) (TVD)**

Total Depth: 4620.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2392.00 ft (KB)

2384.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8365

Inside

Press@RunDepth: 24.49 psig @ 4584.01 ft (KB)

Start Date: 2009.10.19

End Date:

2009.10.19

Capacity: 8000.00 psig

Last Calib.: 2009.10.19

Start Time: 17:28:16

End Time:

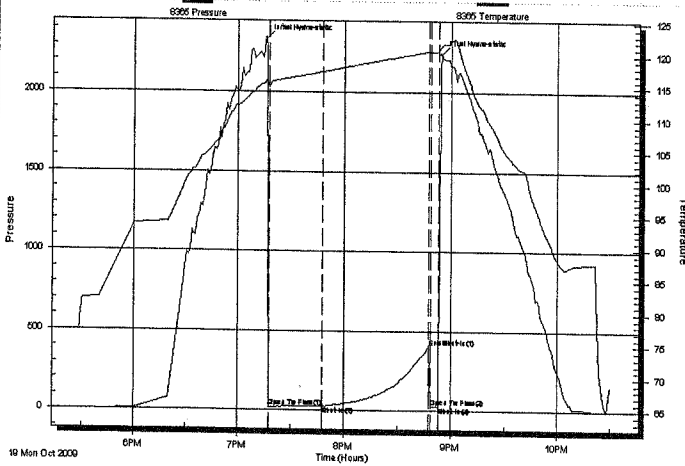
22:30:40

Time On Btm: 2009.10.19 @ 19:16:11

Time Off Btm: 2009.10.19 @ 20:54:11

TEST COMMENT: IFF-w k surface bl died in 20 min
FFP-no bl
Times 30-60-5- out

Pressure vs. Time



PRESSURE SUMMARY

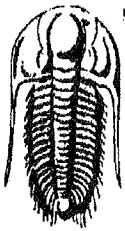
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2337.07	115.95	Initial Hydro-static
2	19.29	115.08	Open To Flow (1)
32	24.49	117.43	Shut-In (1)
92	402.01	120.60	End Shut-In (1)
93	24.53	120.54	Open To Flow (2)
97	25.53	120.67	Shut-In (2)
98	2244.79	121.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 10%O90%M	0.02
0.00	w/show of CO on top of tool	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Zinszer Oil Company Inc

Springer #5

PO Box 211
Hays Ks 67601

26-22 24 Hodgeman KS

ATTN: Perry Henman

Job Ticket: 36681

DST#: 1

Test Start: 2009.10.19 @ 17:28:16

Tool Information

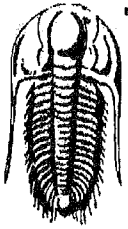
Drill Pipe:	Length: 4526.00 ft	Diameter: 3.80 inches	Volume: 63.49 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 75000.00 lb
		Total Volume:	63.64 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4577.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.02 ft			
Tool Length:	71.02 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			4550.00	
Shut In Tool	5.00			4555.00	
Hydraulic tool	5.00			4560.00	
Jars	5.00			4565.00	
Safety Joint	2.00			4567.00	
Packer	5.00			4572.00	28.00 Bottom Of Top Packer
Packer	5.00			4577.00	
Stubb	1.00			4578.00	
Perforations	6.00			4584.00	
Recorder	0.01	8365	Inside	4584.01	
Recorder	0.01	6625	Outside	4584.02	
Blank Spacing	33.00			4617.02	
Bullnose	3.00			4620.02	43.02 Bottom Packers & Anchor

Total Tool Length: 71.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Zinszer Oil Company Inc

Springer #5

PO Box 211
Hays Ks 67601

26-22 24 Hodgeman KS

Job Ticket: 36681

DST#: 1

ATTN: Perry Henman

Test Start: 2009.10.19 @ 17:28:16

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 8.72 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 10%O90%M	0.025
0.00	w/show of CO on top of tool	0.000

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

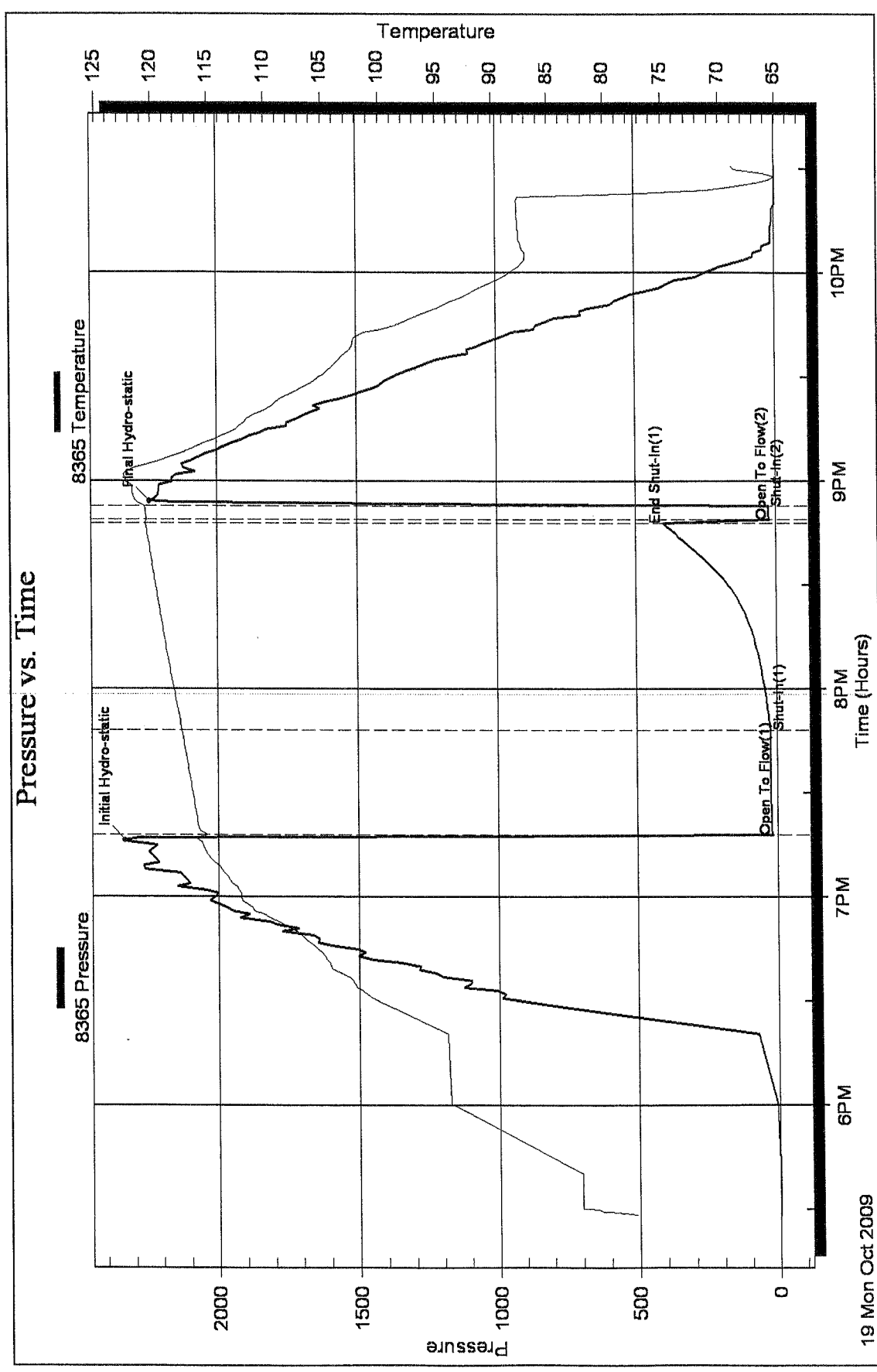
Serial #:

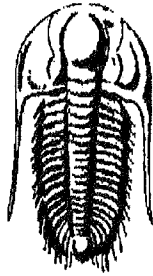
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Zinszer Oil Company Inc**

PO Box 211
Hays Ks 67601

ATTN: Perry Henman

26-22 24 Hodgeman KS

Springer #5

Start Date: 2009.10.20 @ 05:32:00

End Date: 2009.10.20 @ 11:51:24

Job Ticket #: 36682 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Zinszer Oil Company Inc

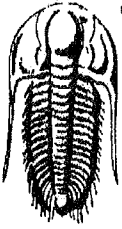
Springer #5

26-22 24 Hodgeman KS

DST # 2

Miss

2009.10.20



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Zinszer Oil Company Inc

Springer #5

PO Box 211
Hays Ks 67601

26-22 24 Hodgeman KS

ATTN: Perry Henman

Job Ticket: 36682

DST#: 2

Test Start: 2009.10.20 @ 05:32:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:20:55

Time Test Ended: 11:51:24

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **4616.00 ft (KB) To 4632.00 ft (KB) (TVD)**

Total Depth: 4632.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2392.00 ft (KB)

2384.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **8365**

Inside

Press@RunDepth: 31.77 psig @ 4617.01 ft (KB)

Start Date: 2009.10.20

End Date: 2009.10.20

Capacity: 8000.00 psig

Start Time: 05:32:00

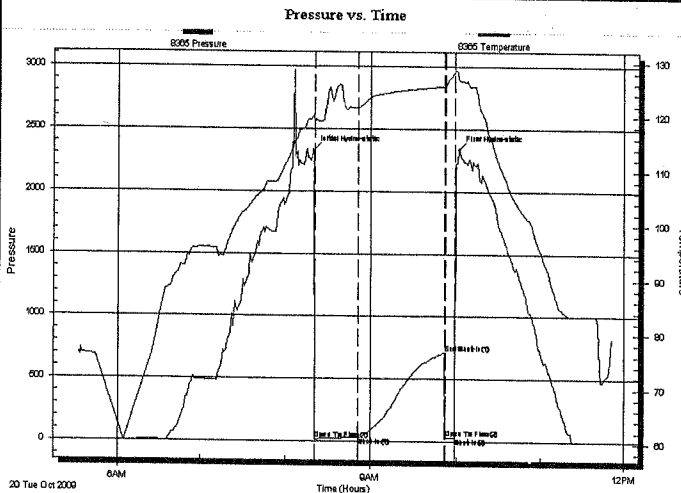
End Time: 11:51:24

Last Calib.: 2009.10.20

Time On Btm: 2009.10.20 @ 08:19:55

Time Off Btm: 2009.10.20 @ 10:01:24

TEST COMMENT: IFP-wk surface bl thru-out
FFP-no bl
Times 30-60-5-out



PRESSURE SUMMARY

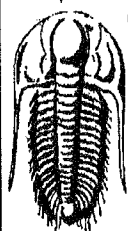
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2328.35	120.23	Initial Hydro-static
1	16.67	119.00	Open To Flow (1)
31	31.77	121.56	Shut-In (1)
92	711.80	125.58	End Shut-In (1)
92	33.00	125.23	Open To Flow (2)
99	33.99	128.24	Shut-In (2)
102	2335.44	127.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 6% O94%M	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Zinszer Oil Company Inc

Springer #5

PO Box 211
Hays Ks 67601

26-22 24 Hodgeman KS

Job Ticket: 36682

DST#: 2

ATTN: Perry Henman

Test Start: 2009.10.20 @ 05:32:00

Tool Information

Drill Pipe:	Length: 4589.00 ft	Diameter: 3.80 inches	Volume: 64.37 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
		<u>Total Volume:</u>	<u>64.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4616.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.02 ft			
Tool Length:	44.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

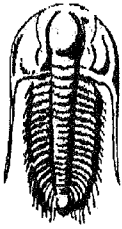
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4589.00	
Shut In Tool	5.00			4594.00	
Hydraulic tool	5.00			4599.00	
Jars	5.00			4604.00	
Safety Joint	2.00			4606.00	
Packer	5.00			4611.00	28.00 Bottom Of Top Packer
Packer	5.00			4616.00	
Stubb	1.00			4617.00	
Recorder	0.01	8365	Inside	4617.01	
Recorder	0.01	6625	Outside	4617.02	
Perforations	12.00			4629.02	
Bullnose	3.00			4632.02	16.02 Bottom Packers & Anchor

Total Tool Length: 44.02



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Zinszer Oil Company Inc

Springer #5

PO Box 211
Hays Ks 67601

26-22 24 Hodgeman KS

Job Ticket: 36682

DST#: 2

ATTN: Perry Henman

Test Start: 2009.10.20 @ 05:32:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 8.70 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 6%O94%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

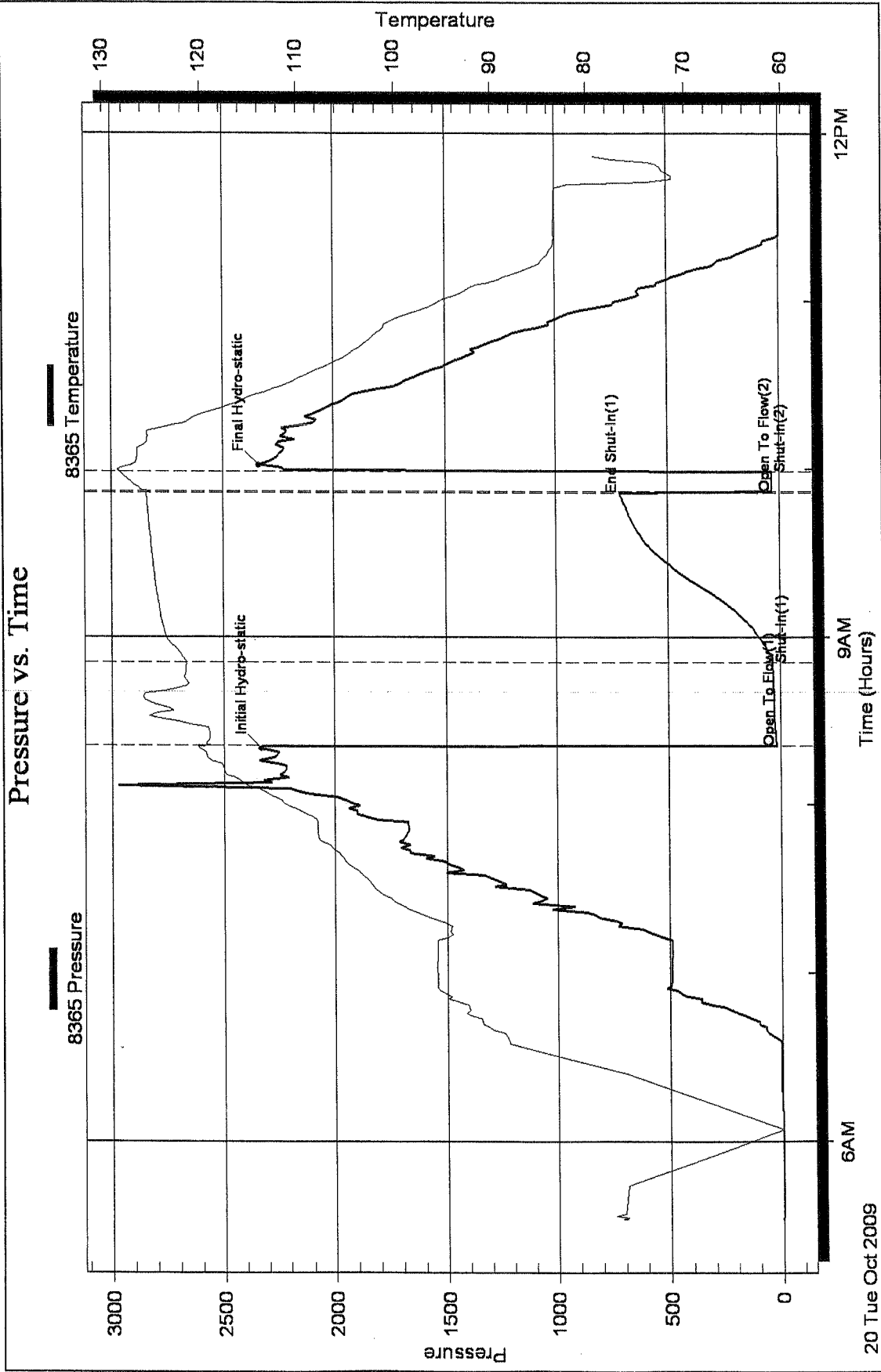
Serial #:

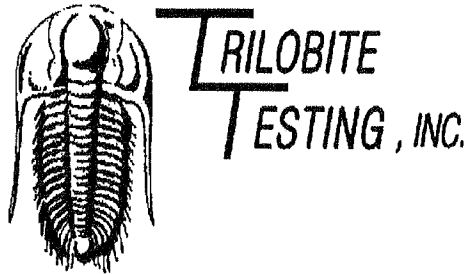
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Zinszer Oil Company Inc**

PO Box 211
Hays Ks 67601

ATTN: Perry Henman

26-22 24 Hodgeman KS

Springer #5

Start Date: 2009.10.20 @ 20:49:27

End Date: 2009.10.21 @ 04:49:21

Job Ticket #: 36683 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Zinszer Oil Company Inc

Springer #5

PO Box 211
Hays Ks 67601

26-22 24 Hodgeman KS

ATTN: Perry Henman

Job Ticket: 36683

DST#: 3

Test Start: 2009.10.20 @ 20:49:27

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:45:52

Time Test Ended: 04:49:21

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **4628.00 ft (KB) To 4646.00 ft (KB) (TVD)**

Total Depth: 4646.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2392.00 ft (KB)

2384.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **8365** Inside

Press@RunDepth: 73.71 psig @ 4629.01 ft (KB)

Start Date: 2009.10.20

End Date:

2009.10.21

Start Time: 20:49:27

End Time:

04:49:21

Capacity: 8000.00 psig

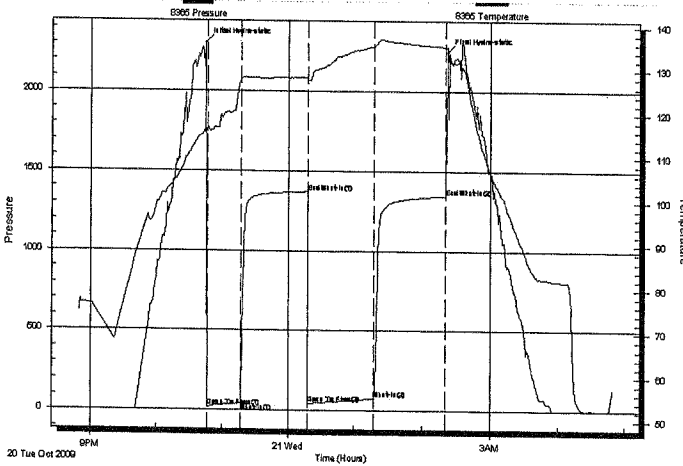
Last Calib.: 2009.10.21

Time On Btm: 2009.10.20 @ 22:44:52

Time Off Btm: 2009.10.21 @ 02:22:21

TEST COMMENT: IFP- wk bl thru-out 1/2" to 1 1/2" bl
FFP- wk bl thru-out 1/4" to 2 1/4" bl
Times 30-60-60-60
no bl on shut-in

Pressure vs. Time



PRESSURE SUMMARY

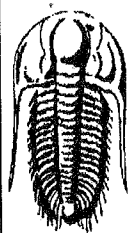
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2301.38	116.59	Initial Hydro-static
1	17.81	116.03	Open To Flow (1)
32	40.96	127.53	Shut-In (1)
93	1369.38	128.24	End Shut-In (1)
93	44.13	127.76	Open To Flow (2)
153	73.71	135.52	Shut-In (2)
216	1343.78	135.41	End Shut-In (2)
218	2245.73	134.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MW 60%W40%Mw/show of oil	0.15
120.00	MW 15%M85%W	1.68

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Zinszer Oil Company Inc

Springer #5

PO Box 211
Hays Ks 67601

26-22 24 Hodgeman KS

Job Ticket: 36683

DST#: 3

ATTN: Perry Henman

Test Start: 2009.10.20 @ 20:49:27

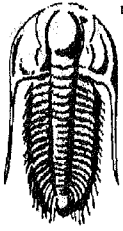
Tool Information

Drill Pipe:	Length: 4576.00 ft	Diameter: 3.80 inches	Volume: 64.19 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 64.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4628.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.02 ft			
Tool Length:	46.02 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			4601.00	
Shut In Tool	5.00			4606.00	
Hydraulic tool	5.00			4611.00	
Jars	5.00			4616.00	
Safety Joint	2.00			4618.00	
Packer	5.00			4623.00	28.00 Bottom Of Top Packer
Packer	5.00			4628.00	
Stubb	1.00			4629.00	
Recorder	0.01	8365	Inside	4629.01	
Recorder	0.01	6625	Outside	4629.02	
Perforations	14.00			4643.02	
Bullnose	3.00			4646.02	18.02 Bottom Packers & Anchor

Total Tool Length: 46.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Zinszer Oil Company Inc

Springer #5

PO Box 211
Hays Ks 67601

26-22 24 Hodgeman KS

Job Ticket: 36683

DST#: 3

ATTN: Perry Henman

Test Start: 2009.10.20 @ 20:49:27

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:

23000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Gas Cushion Type:

Water Loss: 8.71 in³

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 4800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	MW 60%W40%Mw/show of oil	0.148
120.00	MW 15%M85%W	1.683

Total Length: 150.00 ft

Total Volume: 1.831 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .35@64F

Pressure vs. Time

