

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Jason Oil Company**

PO Box 701
Russell KS 67665

ATTN: Ed Glassman

15-195-22493-00-00

20 15 21 Trego KS

Parsons #1

Start Date: 2007.10.16 @ 12:00:56

End Date: 2007.10.16 @ 20:54:51

Job Ticket #: 29664 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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KANSAS CORPORATION COMMISSION

Printed: 2007.10.28 @ 11:30:31 Page 1

FEB 19 2008

CONSERVATION DIVISION
WICHITA, KS

Jason Oil Company

Parsons #1

20 15 21 Trego KS

DST # 1

Cherokee Sand

2007.10.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Jason Oil Company

Parsons #1

PO Box 701
Russell KS 67665

20 15 21 Trego KS

Job Ticket: 29664

DST#: 1

ATTN: Ed Glassman

Test Start: 2007.10.16 @ 12:00:56

GENERAL INFORMATION:

Formation: **Cherokee Sand**

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

Time Tool Opened: 14:23:06

Time Test Ended: 20:54:51

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4219.00 ft (KB) To 4258.00 ft (KB) (TVD)**

Total Depth: 4258.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2332.00 ft (KB)

2325.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6772

Outside

Press@RunDepth: 1077.06 psig @ 4220.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.10.16

End Date: 2007.10.16

Last Calib.: 2007.10.16

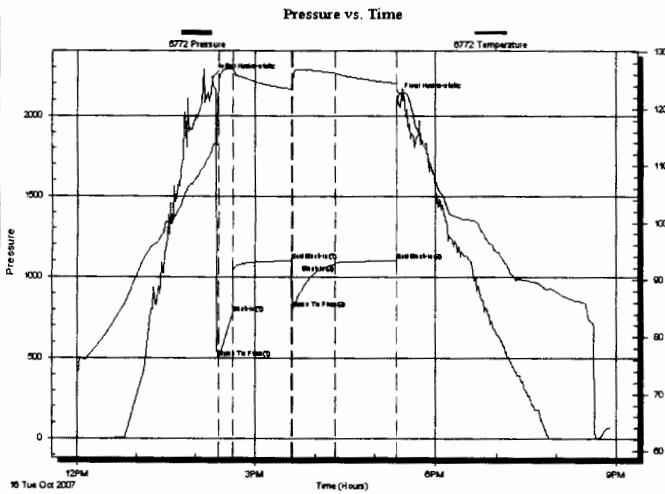
Start Time: 12:00:56

End Time: 20:54:51

Time On Btm: 2007.10.16 @ 14:16:36

Time Off Btm: 2007.10.16 @ 17:22:20

TEST COMMENT: IF BOB in 1 min.
IS Surface blow died in 10 min.
FF BOB in 1 1/2 min.
FS Surface blow built to 3 1/2 in 60 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.17	112.79	Initial Hydro-static
7	503.36	123.88	Open To Flow (1)
21	773.82	127.02	Shut-In(1)
81	1100.16	123.44	End Shut-In(1)
81	801.38	124.60	Open To Flow (2)
124	1077.06	126.27	Shut-In(2)
185	1100.27	124.48	End Shut-In(2)
186	2117.11	122.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1054.00	water 100%w	16.38
806.00	gocw 10%g 10%o 80%w	12.53
310.00	GOCWM 10%G 10%O 20%W 60%M	4.82
124.00	GOCWM 10%G 20%O 10%W 60%M	1.93
119.00	MVCGO 5%G 55%O 20%W 20%M	1.85
5.00	Free Oil	0.08

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jason Oil Company

Parsons #1

PO Box 701
Russell KS 67665

20 15 21 Trego KS

Job Ticket: 29664

DST#: 1

ATTN: Ed Glassman

Test Start: 2007.10.16 @ 12:00:56

Tool Information

Drill Pipe:	Length: 4200.00 ft	Diameter: 4.00 inches	Volume: 65.28 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 65.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 33000.00 lb
Depth to Top Packer:	4219.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 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
Stubb	1.00			4193.00	
Shut In Tool	5.00			4198.00	
Hydraulic tool	5.00			4203.00	
Jars	5.00			4208.00	
Safety Joint	2.00			4210.00	
Packer	5.00			4215.00	27.00 Bottom Of Top Packer
Packer	4.00			4219.00	
Stubb	1.00			4220.00	
Recorder	0.00	3881	Inside	4220.00	
Recorder	0.00	6772	Outside	4220.00	
Perforations	33.00			4253.00	
Perforations	5.00			4258.00	39.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Jason Oil Company

Parsons #1

PO Box 701
Russell KS 67665

20 15 21 Trego KS

Job Ticket: 29664

DST#: 1

ATTN: Ed Glassman

Test Start: 2007.10.16 @ 12:00:56

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 67.00 sec/qt
Water Loss: 10.37 in³
Resistivity: 0.00 ohm.m
Salinity: 3500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 40000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1054.00	water 100%w	16.382
806.00	gocw 10%g 10%o 80%w	12.527
310.00	GOCWM 10%G 10%O 20%W 60%M	4.818
124.00	GOCWM 10%G 20%O 10%W 60%M	1.927
119.00	MVCGO 5%G 55%O 20%W 20%M	1.850
5.00	Free Oil	0.078

Total Length: 2418.00 ft Total Volume: 37.582 bbl

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

Laboratory Name: Laboratory Location:

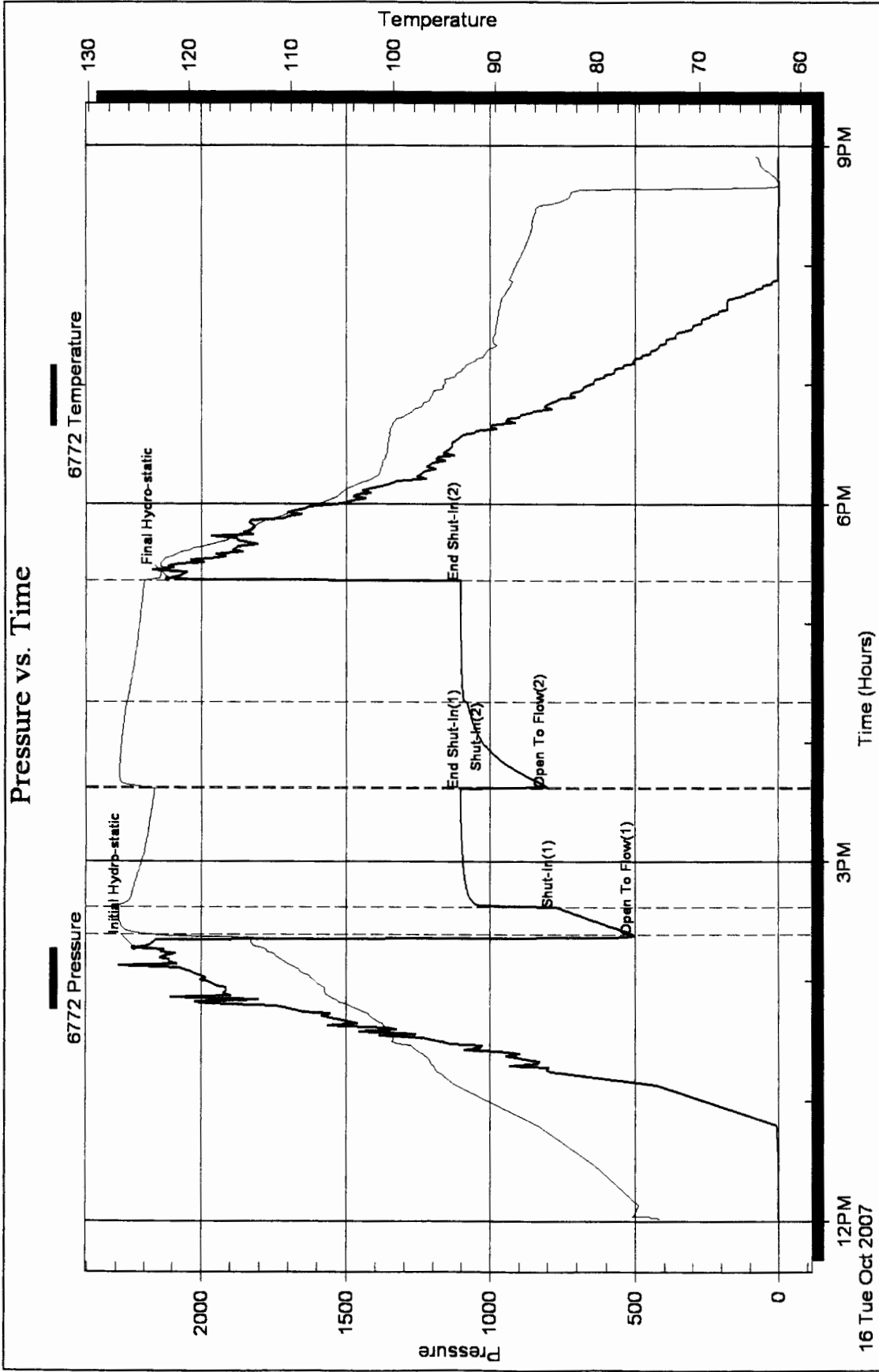
Recovery Comments: 124 GIP

Serial #: 6772

Outside Jason Oil Company

20 15 21 Trego KS

DST Test Number: 1



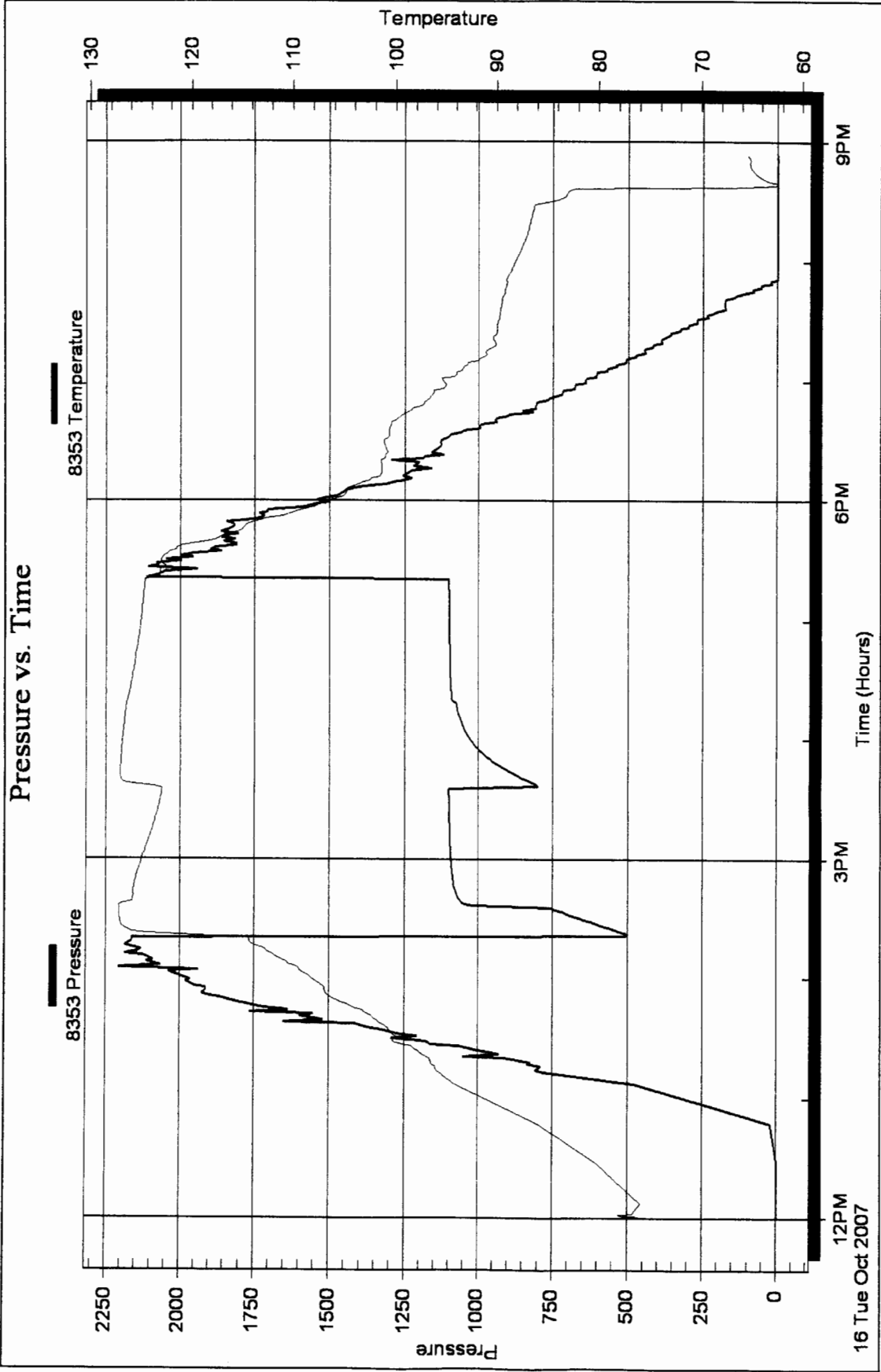
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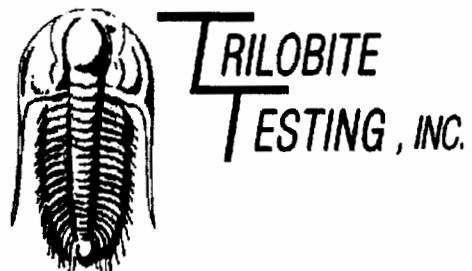
Jason Oil Company

20 15 21 Trego KS

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Jason Oil Company**

PO Box 701
Russell KS 67665

ATTN: Ed Glassman

20 15 21 Trego KS

Parsons #1

Start Date: 2007.10.17 @ 12:58:59

End Date: 2007.10.17 @ 18:08:38

Job Ticket #: 29665 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Jason Oil Company

Parsons #1

20 15 21 Trego KS

DST # 2

Cherokee sand

2007.10.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Jason Oil Company

Parsons #1

PO Box 701
Russell KS 67665

20 15 21 Trego KS

Job Ticket: 29665

DST#: 2

ATTN: Ed Glassman

Test Start: 2007.10.17 @ 12:58:59

GENERAL INFORMATION:

Formation: **Cherokee sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:12:09

Time Test Ended: 18:08:38

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4193.00 ft (KB) To 4216.00 ft (KB) (TVD)**

Reference Elevations: 2332.00 ft (KB)

Total Depth: 4320.00 ft (KB) (TVD)

2325.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GRVCF: 7.00 ft

Serial #: 8353 Inside

Press@RunDepth: psig @ 4194.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.10.17

End Date: 2007.10.17

Last Calib.: 2007.10.17

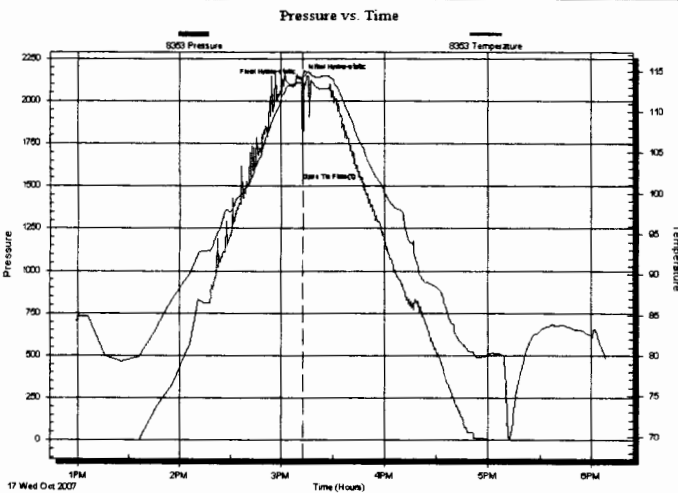
Start Time: 12:58:59

End Time: 18:08:38

Time On Btm: 2007.10.17 @ 15:11:39

Time Off Btm: 2007.10.17 @ 15:12:39

TEST COMMENT: Packers failed at open



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2134.75	113.62	Initial Hydro-static
1	1530.83	114.19	Open To Flow (1)
1	2107.29	115.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	100%M	1.93

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Jason Oil Company

Parsons #1

PO Box 701
Russell KS 67665

20 15 21 Trego KS

Job Ticket: 29665

DST#: 2

ATTN: Ed Glassman

Test Start: 2007.10.17 @ 12:58:59

Tool Information

Drill Pipe:	Length: 4197.00 ft	Diameter: 4.00 inches	Volume: 65.23 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: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 65.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	4193.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	126.00 ft			
Tool Length:	153.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4167.00	
Shut In Tool	5.00			4172.00	
Hydraulic tool	5.00			4177.00	
Jars	5.00			4182.00	
Safety Joint	2.00			4184.00	
Packer	5.00			4189.00	27.00 Bottom Of Top Packer
Packer	4.00			4193.00	
Stubb	1.00			4194.00	
Recorder	0.00	8353	Inside	4194.00	
Perforations	17.00			4211.00	
Recorder	0.00	7437	Outside	4211.00	
Blank Off Sub	1.00			4212.00	126.00 Tool Interval
Packer	3.00			4215.00	
Stubb	1.00			4216.00	
Perforations	1.00			4217.00	
Change Over Sub	1.00			4218.00	
Drill Pipe	95.00			4313.00	
Change Over Sub	1.00			4314.00	
Recorder	0.00	6772	Below	4314.00	
Bullnose	5.00			4319.00	1000152.00 Bottom Packers & Anchor

Total Tool Length: 153.00



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FLUID SUMMARY

Jason Oil Company

Parsons #1

PO Box 701
Russell KS 67665

20 15 21 Trego KS

Job Ticket: 29665 **DST#: 2**

ATTN: Ed Glassman

Test Start: 2007.10.17 @ 12:58:59

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	100%M	1.927

Total Length: 124.00 ft Total Volume: 1.927 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

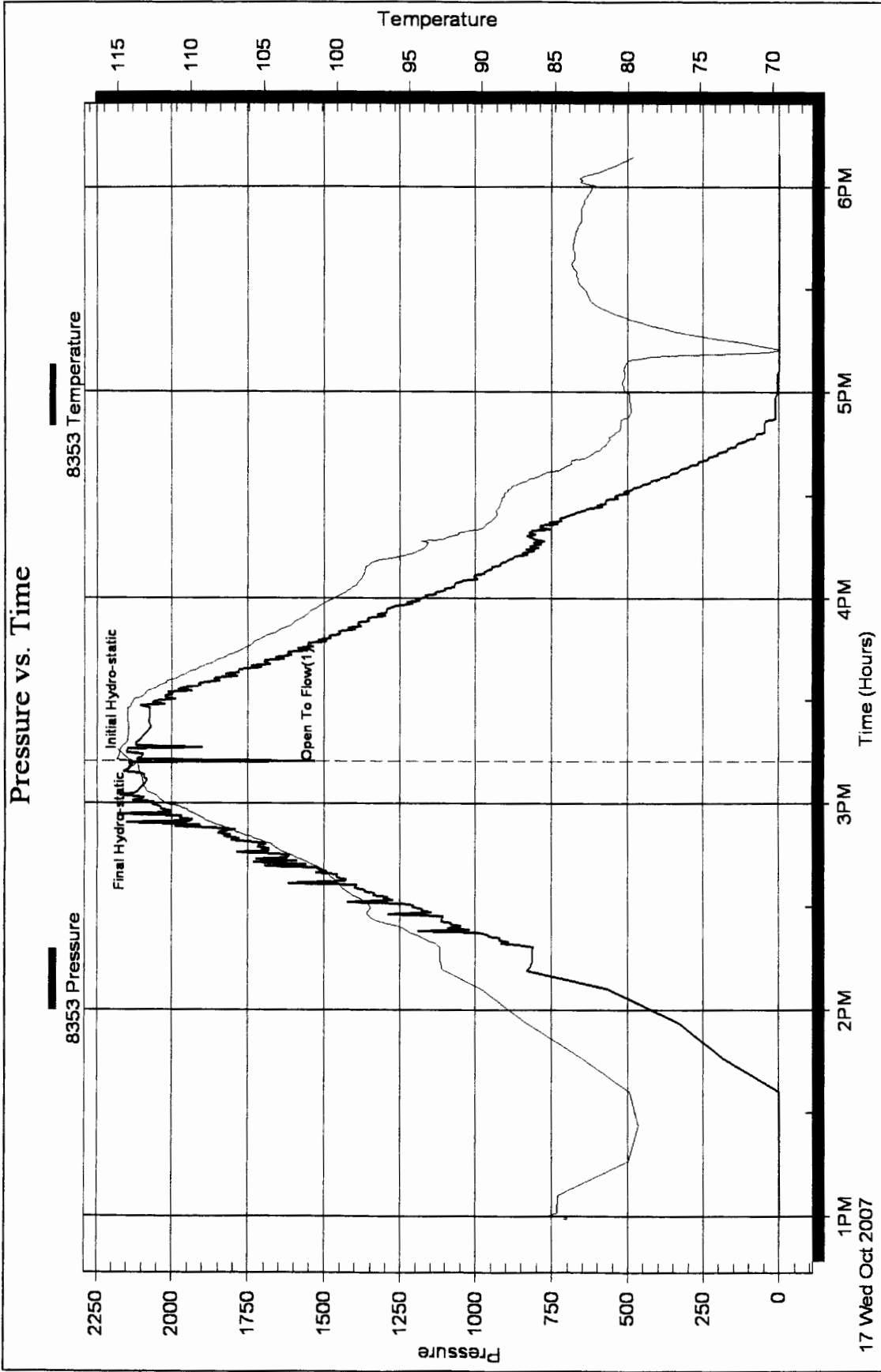
Serial #: 8353

Inside

Jason Oil Company

20 15 21 Trego KS

DST Test Number: 2



Serial #: 6772

Below (Stratella) Oil Company

20 15 21 Trego KS

DST Test Number: 2

