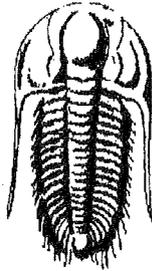


15-153-20849

8-1s-35w

IND

CONFIDENTIAL



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Kevin Davis

8 1S 35W Rawlins KS

Sutton #1-8

Start Date: 2007.10.13 @ 14:10:11

End Date: 2007.10.13 @ 22:26:50

Job Ticket #: 29234 DST #: 1

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RECEIVED
KANSAS CORPORATION COMMISSION

FEB 0 7 2008

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Co Inc

Sutton #1-8

8 1S 35W Rawlins KS

DST # 1

Lansing "A-D"

2007.10.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Kevin Davis

Sutton #1-8

8 1S 35W Rawlins KS

Job Ticket: 29234

DST#: 1

Test Start: 2007.10.13 @ 14:10:11

GENERAL INFORMATION:

Formation: **Lansing "A-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:55:51

Time Test Ended: 22:26:50

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 22

Interval: **4164.00 ft (KB) To 4244.00 ft (KB) (TVD)**

Total Depth: 4244.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 3229.00 ft (KB)

3224.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8352 Outside

Press@RunDepth: 654.01 psig @ 4165.00 ft (KB)

Start Date: 2007.10.13

End Date:

2007.10.13

Start Time: 14:10:13

End Time:

22:26:51

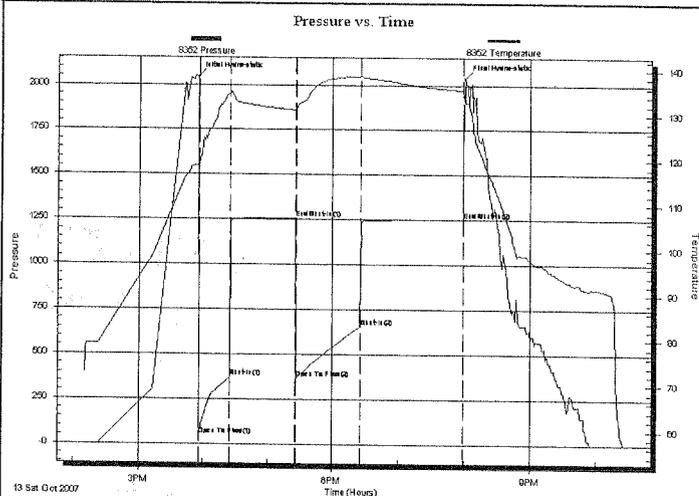
Capacity: 7000.00 psig

Last Calib.: 2007.10.13

Time On Btm: 2007.10.13 @ 15:55:31

Time Off Btm: 2007.10.13 @ 20:00:50

TEST COMMENT: IF Strong blow BOB 7 min. 20 sec.
ISI Bled off no blow back
FF Strong blow BOB 8 min 50 sec.
FSI Bled off no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2044.84	118.77	Initial Hydro-static
1	46.16	117.71	Open To Flow (1)
30	372.12	134.47	Shut-In(1)
91	1257.59	131.14	End Shut-In(1)
91	364.74	131.19	Open To Flow (2)
151	654.01	138.59	Shut-In(2)
244	1252.30	135.54	End Shut-In(2)
246	2040.46	132.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
806.00	OSGMCW .25%O 4.75%G 5%M 90%W	6.89
248.00	SGOCMW 3%G 2%O 25%M 70%W	3.48
124.00	HGCOCWM 17%G 5%O 38%W 40%M	1.74
124.00	GOCWM 7%G 4%O 39%W 50%M	1.74
102.00	GWOCM 5%O 8%W 10%O 77%M	1.43
0.00	60' GIP 75,500 ppm CHL	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Kevin Davis

Sutton #1-8

8 1S 35W Rawlins KS

Job Ticket: 29234

DST#: 1

Test Start: 2007.10.13 @ 14:10:11

GENERAL INFORMATION:

Formation: **Lansing "A-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:55:51

Time Test Ended: 22:26:50

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 22

Interval: 4164.00 ft (KB) To 4244.00 ft (KB) (TVD)

Total Depth: 4244.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 3229.00 ft (KB)

3224.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799 Inside

Press@RunDepth: psig @ 4165.00 ft (KB)

Start Date: 2007.10.13

End Date: 2007.10.13

Start Time: 14:10:13

End Time: 22:31:30

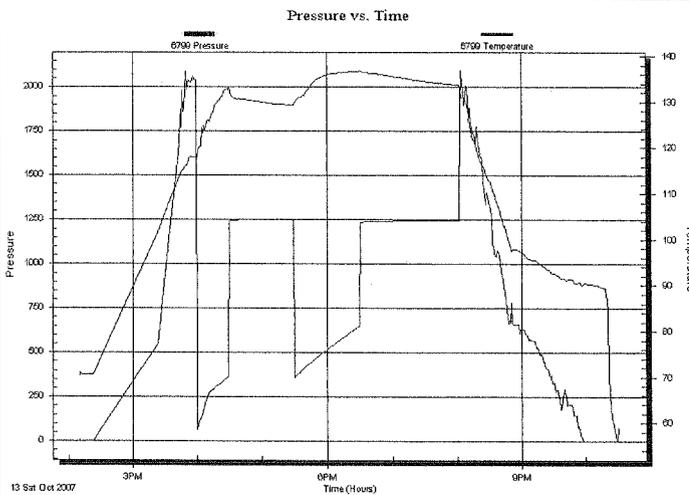
Capacity: 7000.00 psig

Last Calib.: 2007.10.13

Time On Btm:

Time Off Btm:

TEST COMMENT: IF Strong blow BOB 7 min. 20 sec.
ISI Bled off no blow back
FF Strong blow BOB 8 min 50 sec.
FSI Bled off no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
<p>CONFIDENTIAL FEB 05 2008 KCC</p>			

Recovery

Length (ft)	Description	Volume (bbl)
806.00	OSGMCW .25%o 4.75%g 5%im 90%w	6.89
248.00	SGOCMM 3%g 2%o25%im 70%w	3.48
124.00	HGCOCWM 17%G 5%O 38%W 40%M	1.74
124.00	GOCWM 7%G 4%O 39%W 50%M	1.74
102.00	GWOCM 5%O 8%W 10%O 77%M	1.43
0.00	60' GIP 75,500 ppm CHL	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

Sutton #1-8

250 N Water Ste 300
Wichita KS 67202

8 1S 35W Rawlins KS

Job Ticket: 29234

DST#: 1

ATTN: Kevin Davis

Test Start: 2007.10.13 @ 14:10:11

Tool Information

Drill Pipe:	Length: 3668.00 ft	Diameter: 3.80 inches	Volume: 51.45 bbl	Tool Weight: 3000.00 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: 485.00 ft	Diameter: 2.25 inches	Volume: 2.39 bbl	Weight to Pull Loose: 99000.00 lb
			<u>Total Volume: 53.84 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4164.00 ft			Final 86000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	108.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4141.00	
Hydraulic tool	5.00			4146.00	
Jars	5.00			4151.00	
Safety Joint	3.00			4154.00	
Packer	5.00			4159.00	28.00 Bottom Of Top Packer
Packer	5.00			4164.00	
Stubb	1.00			4165.00	
Recorder	0.00	6799	Inside	4165.00	
Recorder	0.00	8352	Outside	4165.00	
Perforations	12.00			4177.00	
Blank Spacing	64.00			4241.00	
Bullnose	3.00			4244.00	80.00 Bottom Packers & Anchor

Total Tool Length: 108.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Sutton #1-8

250 N Water Ste 300
Wichita KS 67202

8 1S 35W Rawlins KS

Job Ticket: 29234

DST#: 1

ATTN: Kevin Davis

Test Start: 2007.10.13 @ 14:10:11

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
806.00	OSGMCW .25%o 4.75%g 5%am 90%w	6.888
248.00	SGOCMW 3%g 2%o25%m 70%w	3.479
124.00	HGOCWM 17%G 5%O 38%W 40%M	1.739
124.00	GOCWM 7%G 4%O 39%W 50%M	1.739
102.00	GWOCM 5%O 8%W 10%O 77%M	1.431
0.00	60 ' GIP 75,500 ppm CHL	0.000

Total Length: 1404.00 ft

Total Volume: 15.276 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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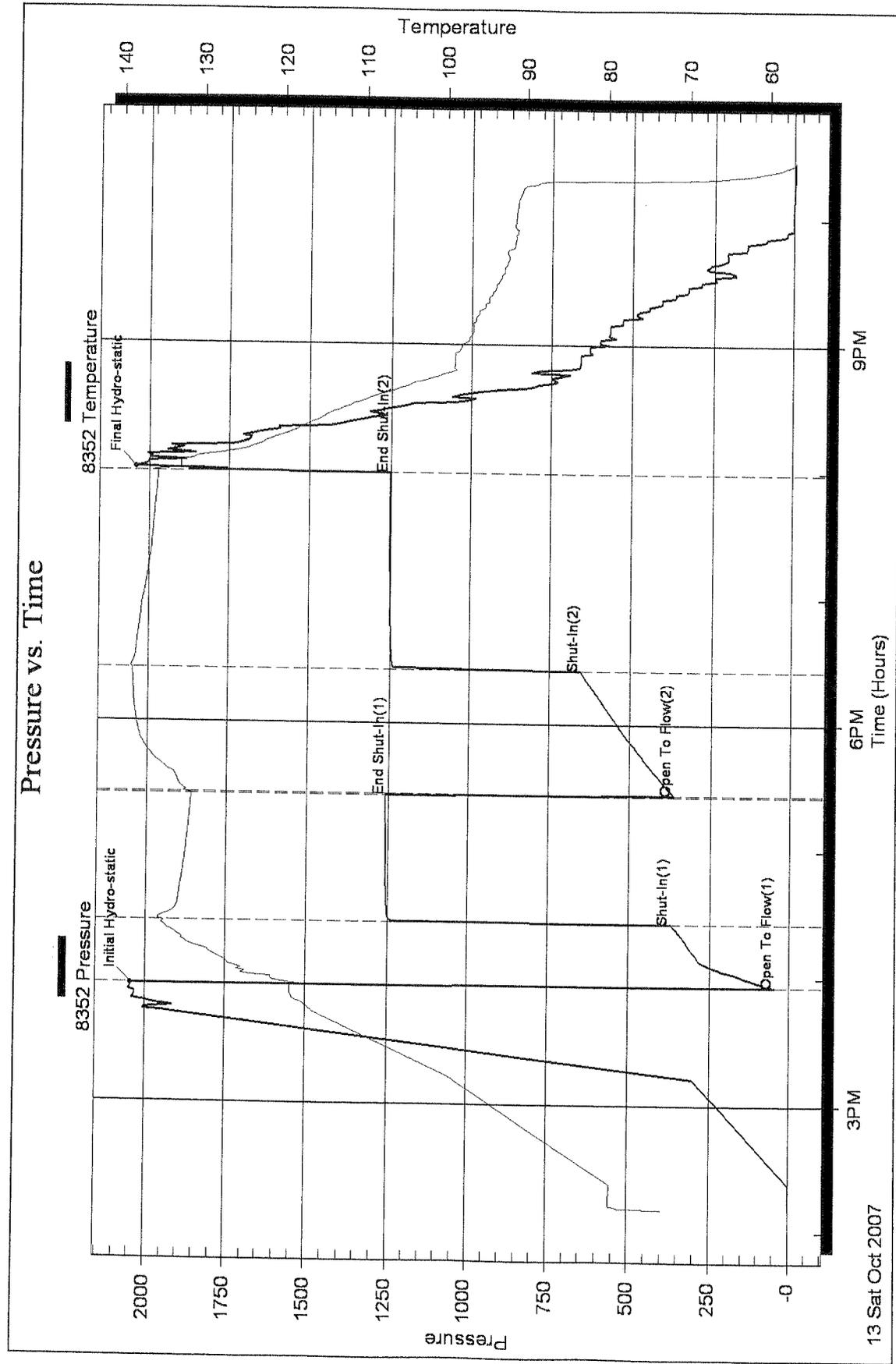
Serial #: 8352

Outside

Murfin Drilling Co Inc

8 1S 35W Raw lins KS

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 29234

Printed: 2007.10.25 @ 10:18:30 Page 6

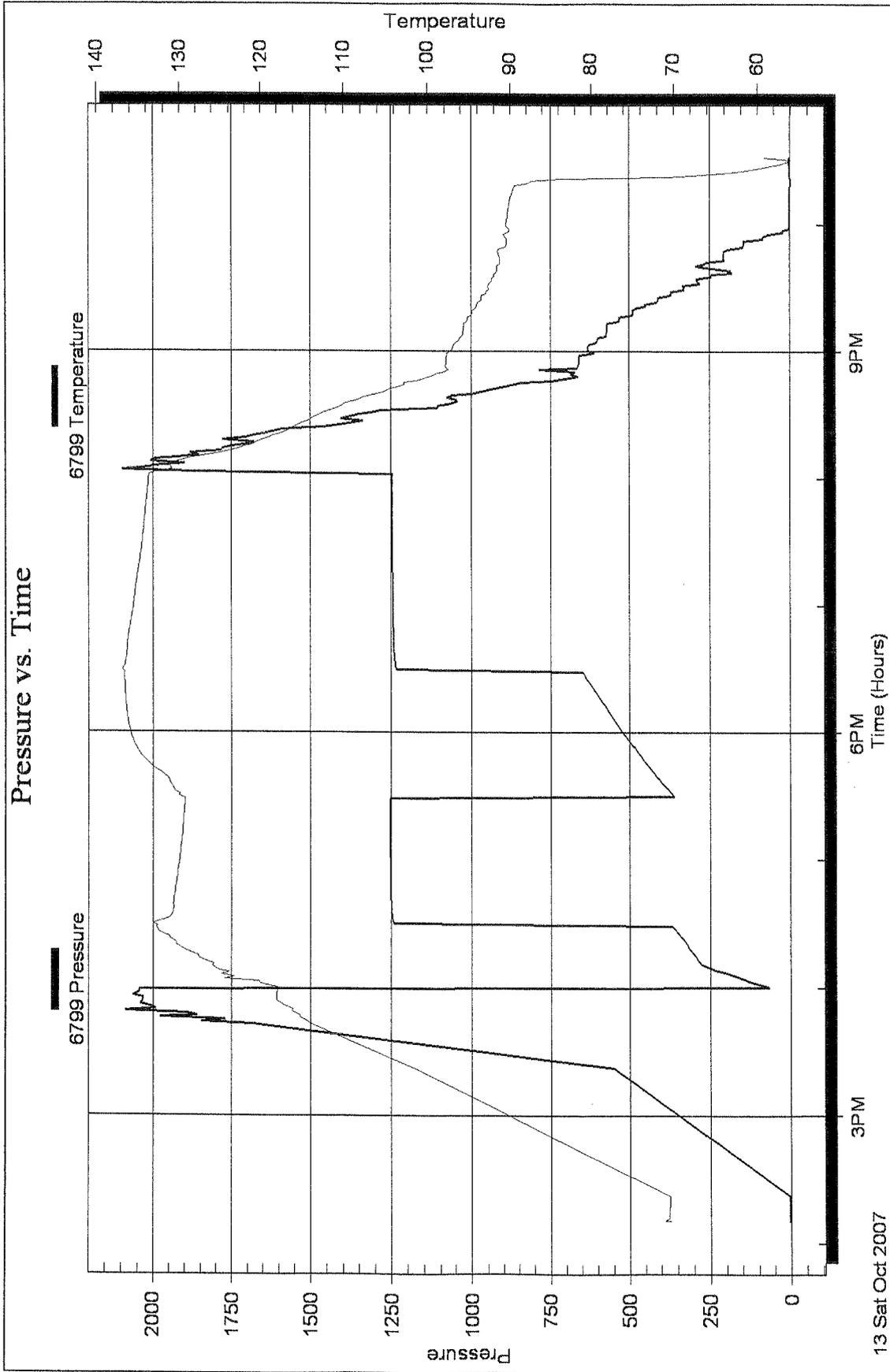
Serial #: 6799

Inside

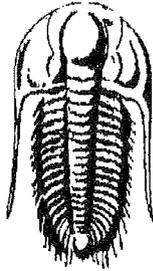
Murfin Drilling Co Inc

8 1S 35W Raw lins KS

DST Test Number: 1



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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Kevin Davis

8 1S 35W Rawlins KS

Sutton #1-8

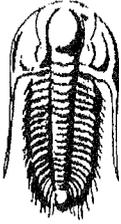
Start Date: 2007.10.14 @ 06:29:38

End Date: 2007.10.14 @ 13:13:08

Job Ticket #: 29235 DST #: 2

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Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202
ATTN: Kevin Davis

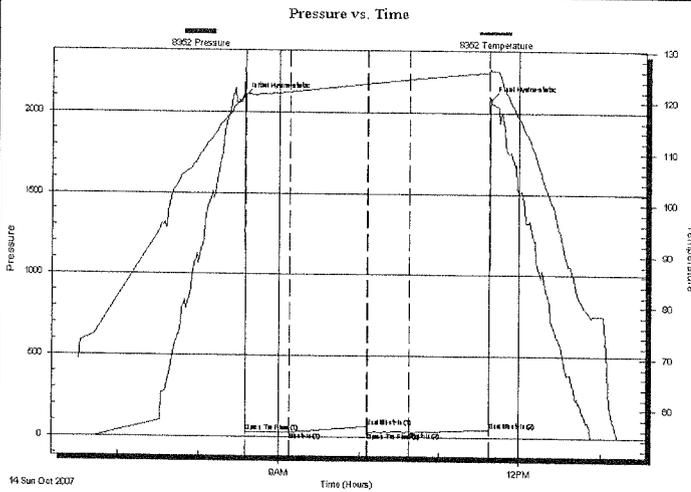
Sutton #1-8
8 1S 35W Rawlins KS
Job Ticket: 29235 DST#: 2
Test Start: 2007.10.14 @ 06:29:38

GENERAL INFORMATION:

Formation: **Lansing "E-C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:34:28
 Time Test Ended: 13:13:08
 Interval: **4253.00 ft (KB) To 4300.00 ft (KB) (TVD)**
 Total Depth: 4300.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole
 Tester: Jake Fahrenbruch
 Unit No: 22
 Reference Elevations: 3229.00 ft (KB)
 3224.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8352 Outside
 Press@RunDepth: 31.11 psig @ 4254.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2007.10.14 End Date: 2007.10.14 Last Calib.: 2007.10.14
 Start Time: 06:29:40 End Time: 13:13:08 Time On Btm: 2007.10.14 @ 08:33:28
 Time Off Btm: 2007.10.14 @ 11:38:58

TEST COMMENT: IF Weak blow built to 1.5 " in 14 minutes dead blow after 27 minutes.
 ISI No blow back
 FF No blow
 FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2091.29	121.21	Initial Hydro-static
1	27.15	120.57	Open To Flow (1)
34	29.75	121.95	Shut-In(1)
92	65.36	123.60	End Shut-In(1)
93	29.84	123.61	Open To Flow(2)
124	31.11	124.49	Shut-In(2)
185	46.84	125.94	End Shut-In(2)
186	2082.90	126.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud 100%M	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202
ATTN: Kevin Davis

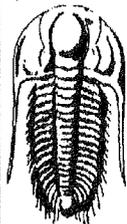
Sutton #1-8
8 1S 35W Rawlins KS
Job Ticket: 29235 **DST#: 2**
Test Start: 2007.10.14 @ 06:29:38

Tool Information

Drill Pipe:	Length: 3757.00 ft	Diameter: 3.80 inches	Volume: 52.70 bbl	Tool Weight: 3000.00 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: 485.00 ft	Diameter: 2.25 inches	Volume: 2.39 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 55.09 bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4253.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4230.00	
Hydraulic tool	5.00			4235.00	
Jars	5.00			4240.00	
Safety Joint	3.00			4243.00	
Packer	5.00			4248.00	28.00 Bottom Of Top Packer
Packer	5.00			4253.00	
Stubb	1.00			4254.00	
Recorder	0.00	6799	Inside	4254.00	
Recorder	0.00	8352	Outside	4254.00	
Perforations	10.00			4264.00	
Blank Spacing	33.00			4297.00	
Bullnose	3.00			4300.00	47.00 Bottom Packers & Anchor
Total Tool Length:	75.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202
ATTN: Kevin Davis

Sutton #1-8
8 1S 35W Rawlins KS
Job Ticket: 29235 DST#: 2
Test Start: 2007.10.14 @ 06:29:38

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling Mud 100%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:

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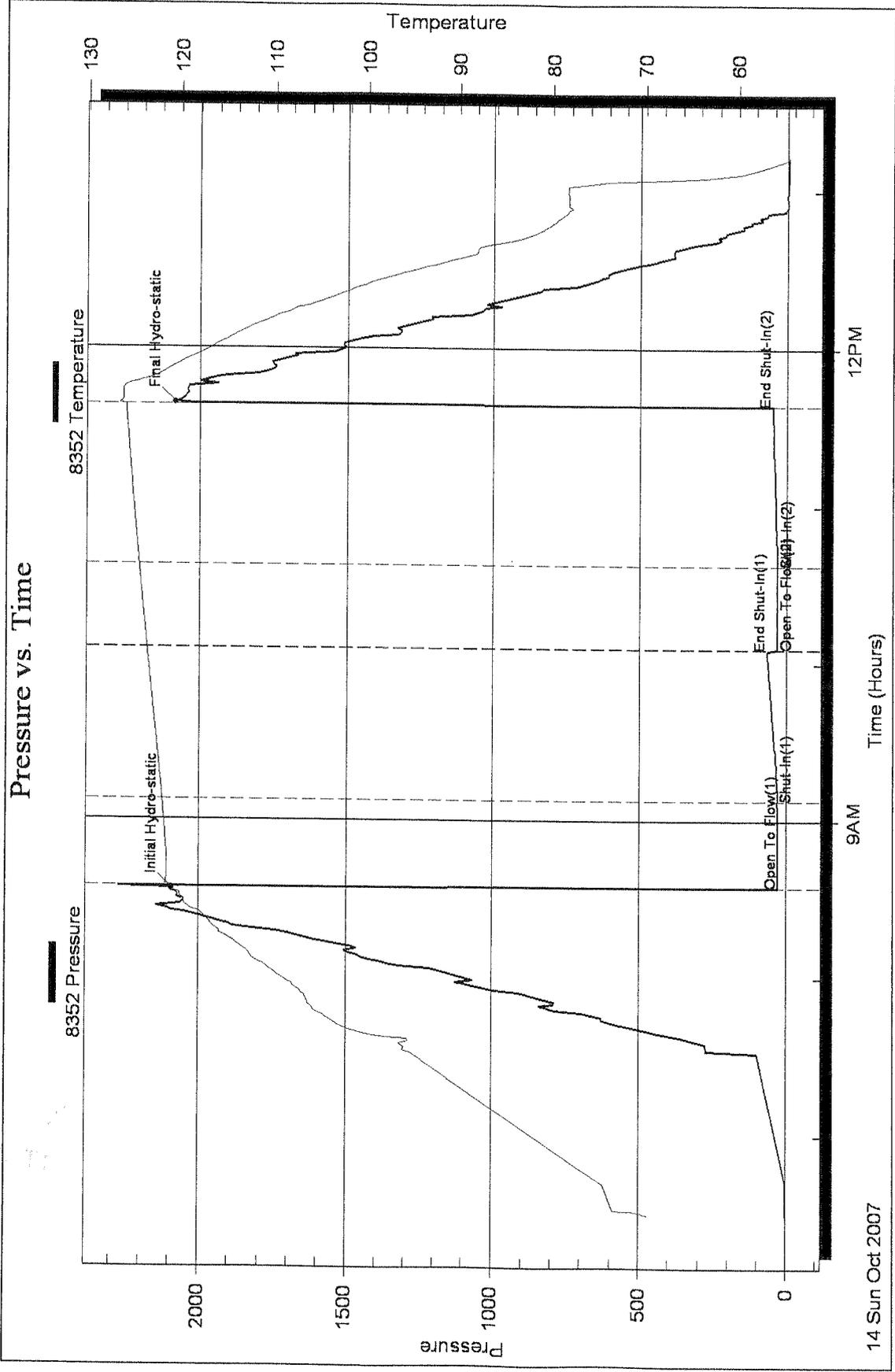
Serial #: 8352

Outside

Murfin Drilling Co Inc

8 1S 35W Raw lins KS

DST Test Number: 2



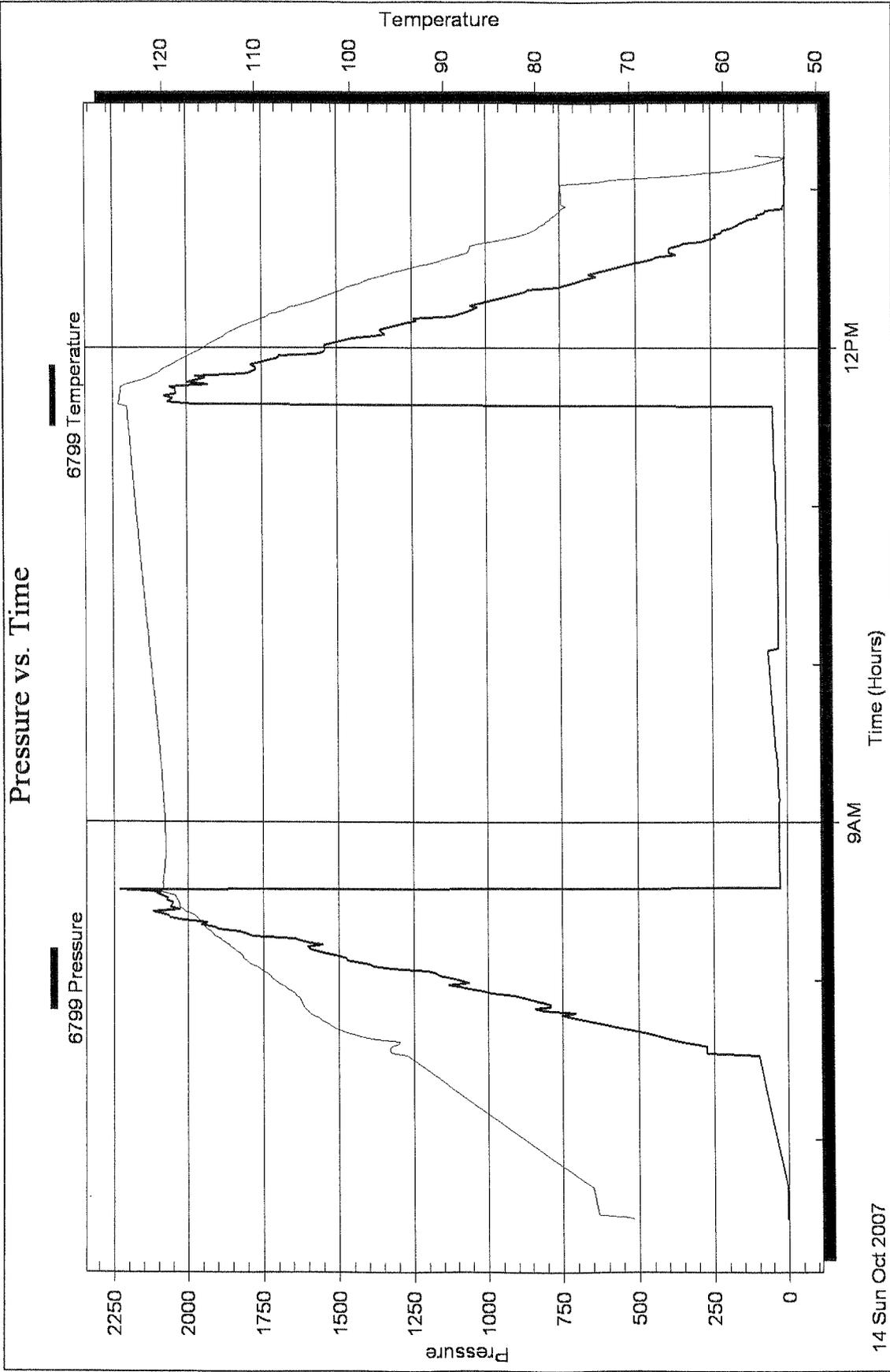
Serial #: 6799

Inside

Murfin Drilling Co Inc

8 1S 35W Raw lins KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Kevin Davis

8 1S 35W Rawlins KS

Sutton #1-8

Start Date: 2007.10.14 @ 23:07:00

End Date: 2007.10.15 @ 11:15:40

Job Ticket #: 29236 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Co Inc

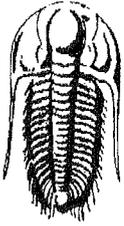
Sutton #1-8

8 1S 35W Rawlins KS

DST # 3

Lansing "H-J"

2007.10.14



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202
ATTN: Kevin Davis

Sutton #1-8

8 1S 35W Rawlins KS

Job Ticket: 29236

DST#: 3

Test Start: 2007.10.14 @ 23:07:00

GENERAL INFORMATION:

Formation: **Lansing "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:08:00

Time Test Ended: 11:15:40

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 22

Interval: **4298.00 ft (KB) To 4385.00 ft (KB) (TVD)**

Total Depth: 4385.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 3229.00 ft (KB)

3224.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 1282.17 psig @ 4299.00 ft (KB)

Start Date: 2007.10.14

End Date:

2007.10.15

Capacity: 7000.00 psig

Last Calib.: 2007.10.15

Start Time: 23:07:02

End Time:

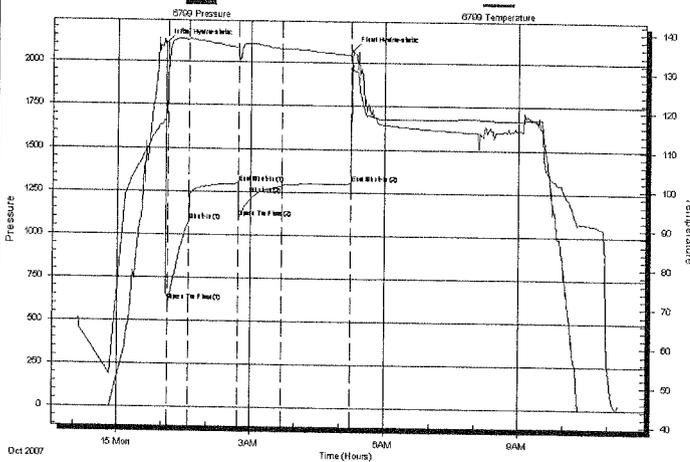
11:15:40

Time On Btm: 2007.10.15 @ 01:04:30

Time Off Btm: 2007.10.15 @ 05:16:50

TEST COMMENT: IF Very strong blow BOB 45 sec.
ISI Bled off 4 minutes blow back @ BOB in 7 minutes. GTS during SI
FF Strong blow BOB 1 minute 30 seconds.
FSI Bled off blow back built to 10 " in bucket

Pressure vs. Time



PRESSURE SUMMARY

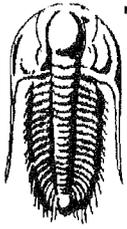
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2107.65	117.39	Initial Hydro-static
4	613.39	129.51	Open To Flow (1)
32	1078.12	138.06	Shut-In(1)
99	1296.30	135.98	End Shut-In(1)
99	1096.47	134.86	Open To Flow (2)
158	1282.17	135.88	Shut-In(2)
251	1301.19	134.33	End Shut-In(2)
253	2073.55	131.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GCOM 15%G 30%O 55%M	0.59
3290.00	GO (reversed out into tank)	42.83
135.00	GCO 10%G 90%O	1.89
0.00	Gravity = 34.5 API corrected	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	3.00	6.51



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
 250 N Water Ste 300
 Wichita KS 67202
 ATTN: Kevin Davis

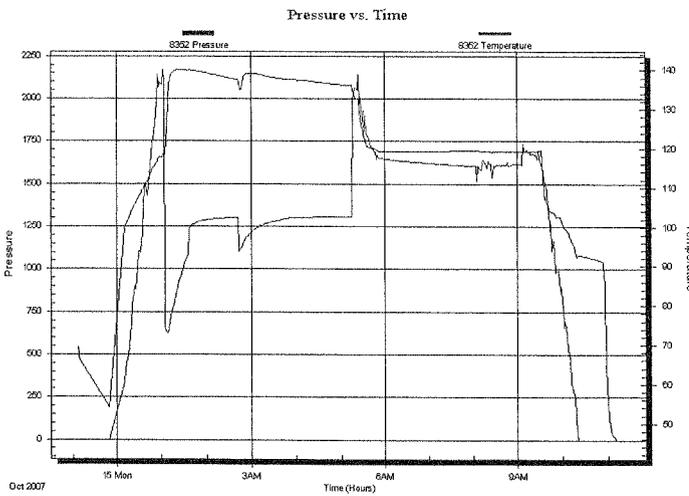
Sutton #1-8
8 1S 35W Rawlins KS
 Job Ticket: 29236 **DST#: 3**
 Test Start: 2007.10.14 @ 23:07:00

GENERAL INFORMATION:

Formation: **Lansing "H-J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:08:00
 Time Test Ended: 11:15:40
 Test Type: Conventional Bottom Hole
 Tester: Jake Fahrenbruch
 Unit No: 22
 Interval: **4298.00 ft (KB) To 4385.00 ft (KB) (TVD)**
 Reference Elevations: 3229.00 ft (KB)
 Total Depth: 4385.00 ft (KB) (TVD) 3224.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 5.00 ft

Serial #: 8352 **Outside**
 Press@RunDepth: psig @ 4299.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2007.10.14 End Date: 2007.10.15 Last Calib.: 2007.10.15
 Start Time: 23:07:02 End Time: 11:15:19 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF Very strong blow BOB 45 sec.
 ISI Bled off 4 minutes blow back @ BOB in 7 minutes. GTS during SI
 FF Strong blow BOB 1 minute 30 seconds.
 FSI Bled off blow back built to 10 " in bucket



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GCOM 15%G 30%O 55%M	0.59
3290.00	GO (reversed out into tank)	42.83
135.00	GCO 10%G 90%O	1.89
0.00	Gravity = 34.5 API corrected	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	3.00	6.51



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

Sutton #1-8

250 N Water Ste 300
Wichita KS 67202

8 1S 35W Rawlins KS

ATTN: Kevin Davis

Job Ticket: 29236

DST#: 3

Test Start: 2007.10.14 @ 23:07:00

Tool Information

Drill Pipe:	Length: 3793.00 ft	Diameter: 3.80 inches	Volume: 53.21 bbl	Tool Weight: 3000.00 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: 485.00 ft	Diameter: 2.25 inches	Volume: 2.39 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 55.60 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	4298.00 ft			Final 92000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	87.00 ft			
Tool Length:	115.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4275.00	
Hydraulic tool	5.00			4280.00	
Jars	5.00			4285.00	
Safety Joint	3.00			4288.00	
Packer	5.00			4293.00	28.00 Bottom Of Top Packer
Packer	5.00			4298.00	
Stubb	1.00			4299.00	
Recorder	0.00	6799	Inside	4299.00	
Recorder	0.00	8352	Outside	4299.00	
Perforations	19.00			4318.00	
Blank Spacing	64.00			4382.00	
Bullnose	3.00			4385.00	87.00 Bottom Packers & Anchor

Total Tool Length: 115.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Sutton #1-8

250 N Water Ste 300
Wichita KS 67202

8 1S 35W Rawlins KS

ATTN: Kevin Davis

Job Ticket: 29236

DST#: 3

Test Start: 2007.10.14 @ 23:07:00

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GCOM 15%G 30%O 55%M	0.590
3290.00	GO (reversed out into tank)	42.825
135.00	GCO 10%G 90%O	1.894
0.00	Gravity = 34.5 API corrected	0.000

Total Length: 3545.00 ft

Total Volume: 45.309 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

CONFIDENTIAL
FEB 05 2008
KCC



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Murfin Drilling Co Inc

Sutton #1-8

250 N Water Ste 300
Wichita KS 67202

8 1S 35W Rawlins KS

ATTN: Kevin Davis

Job Ticket: 29236

DST#: 3

Test Start: 2007.10.14 @ 23:07:00

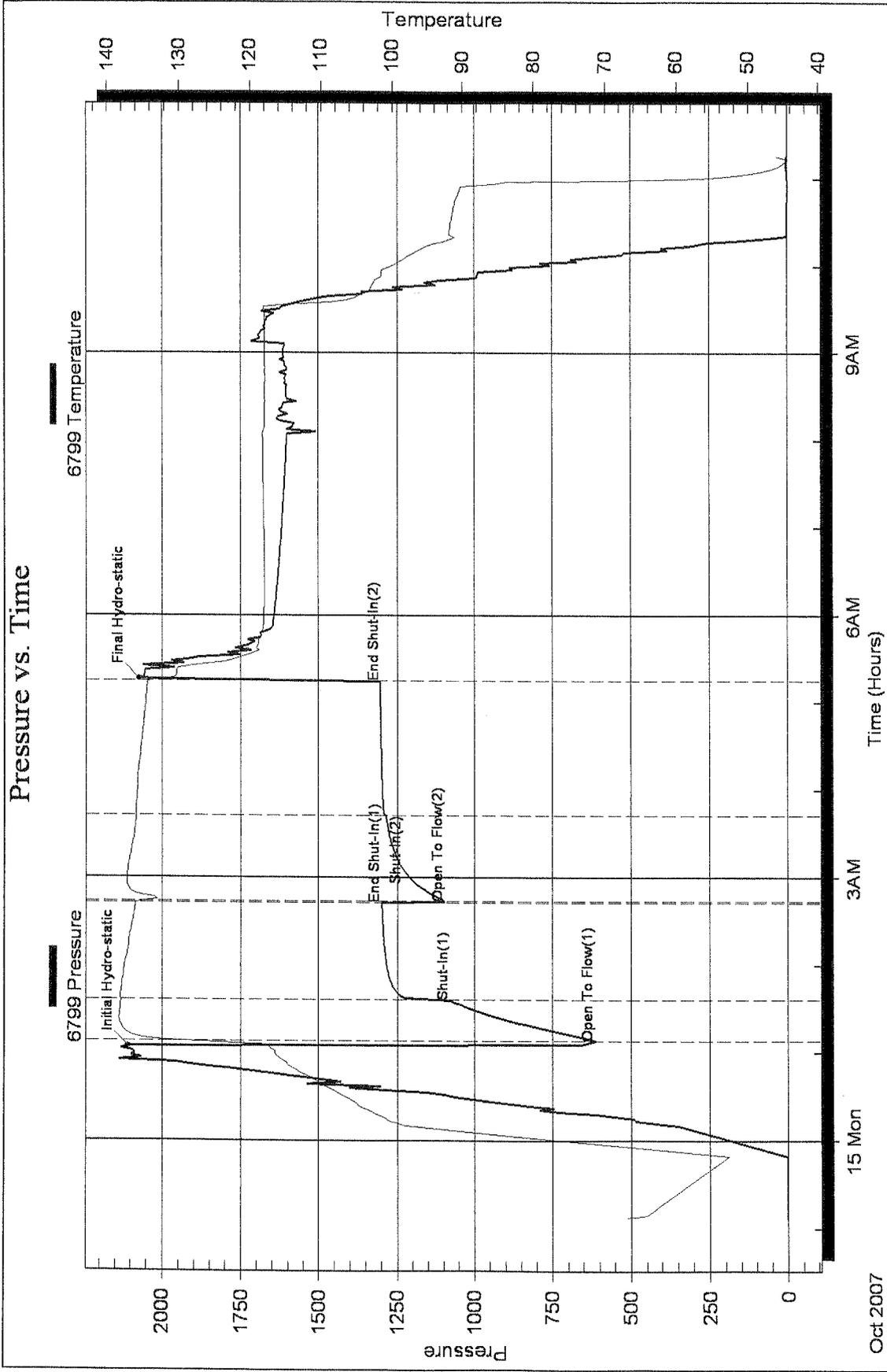
Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	15	0.13	3.00	6.51

Pressure vs. Time



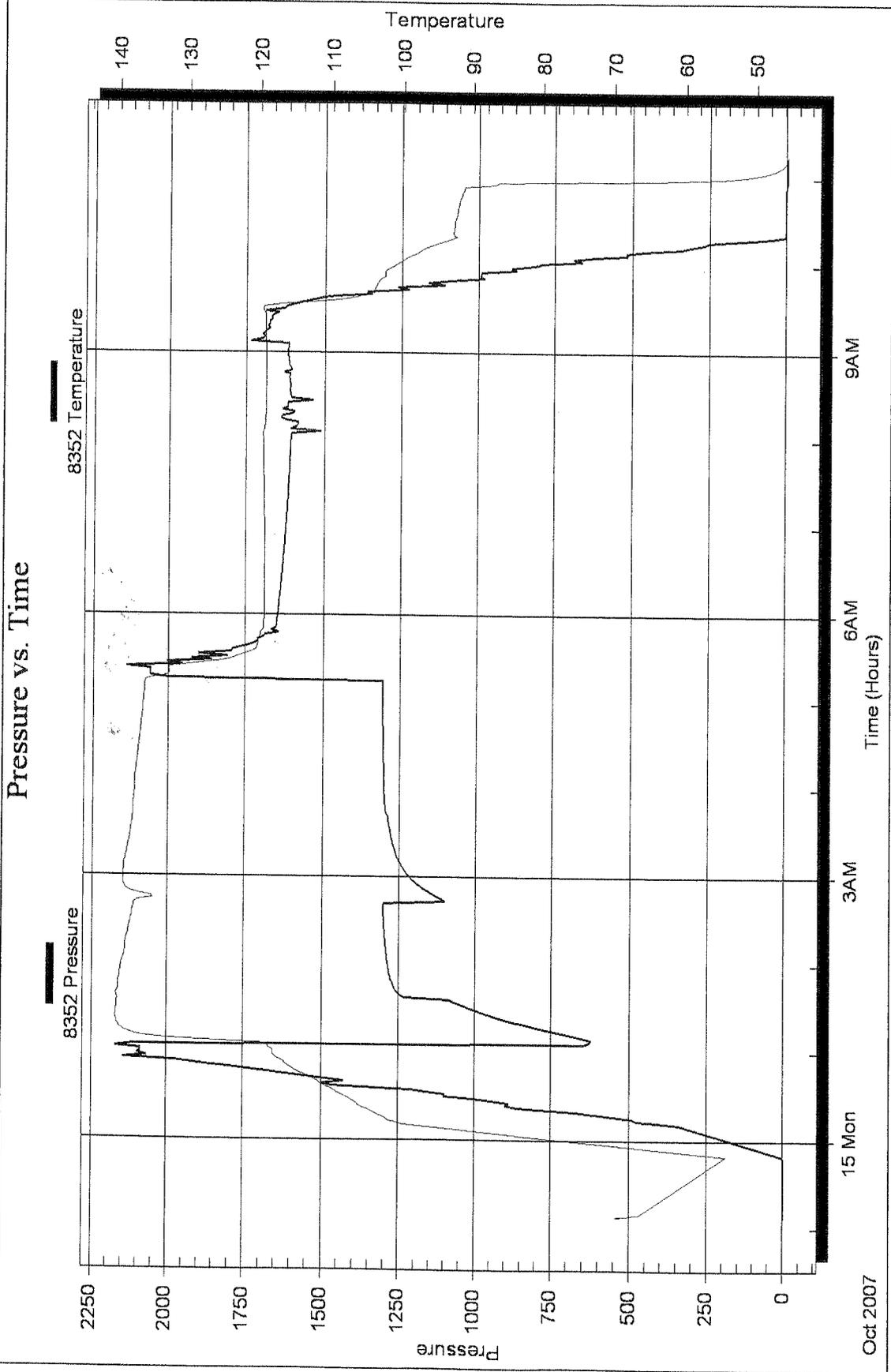
DST Test Number: 3

8 1S 35W Raw lins KS

Outside Murfin Drilling Co Inc

Serial #: 8352

Pressure vs. Time



Ref. No: 29236

Trilobite Testing, Inc