



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water
Ste. 300
Wichita KS 67202

ATTN: Jeff Christian

Daisy #1-27

27-4s-31w Rawlins,KS

Start Date: 2012.03.04 @ 17:55:00

End Date: 2012.03.05 @ 00:59:00

Job Ticket #: 45578 DST #: 1

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

Printed: 2012.03.19 @ 14:41:24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co.

27-4s-31w Rawlins, KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45578

DST#: 1

Test Start: 2012.03.04 @ 17:55:00

GENERAL INFORMATION:

Formation: **Toronto-LKC,B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:58:30

Time Test Ended: 00:59:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 3906.00 ft (KB) To 3994.00 ft (KB) (TVD)

Reference Elevations: 2926.00 ft (KB)

Total Depth: 3994.00 ft (KB) (TVD)

2921.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press @ Run Depth: 174.31 psig @ 3907.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.04

End Date:

2012.03.05

Last Calib.: 2012.03.05

Start Time: 17:55:05

End Time:

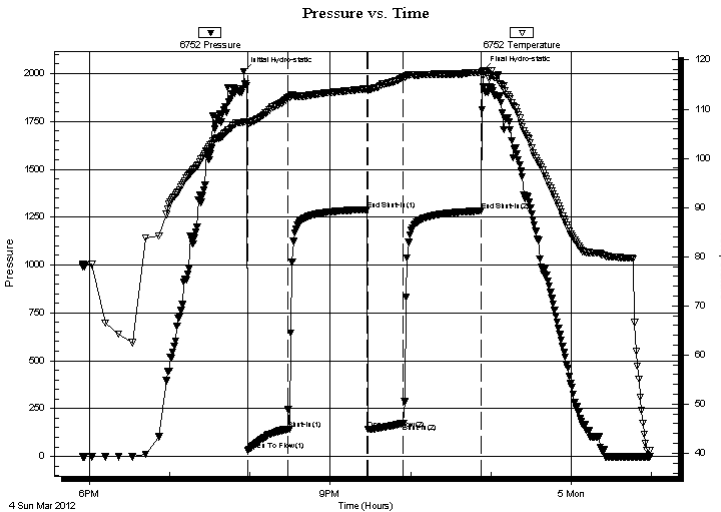
00:58:59

Time On Btm: 2012.03.04 @ 19:55:30

Time Off Btm: 2012.03.04 @ 22:54:00

TEST COMMENT: IF: Fair blow, Built to B.O.B in 23 mins.
IS: No blow back over 60 mins.
FF: Weak blow, Built to 3 in. over 30 mins.
FS: No blow back over 60 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2011.31	107.49	Initial Hydro-static
3	30.04	107.18	Open To Flow (1)
33	143.52	112.25	Shut-In(1)
92	1290.00	114.14	End Shut-In(1)
93	139.96	113.84	Open To Flow (2)
119	174.31	116.46	Shut-In(2)
177	1283.11	117.46	End Shut-In(2)
179	2016.74	116.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw -50% m 50% w	0.91
186.00	w cm -30% w 70% m	2.61
20.00	vsocw m -1% o 5% w 94% m	0.28

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co.
 250 N. Water
 Ste. 300
 Wichita KS 67202
 ATTN: Jeff Christian

27-4s-31w Rawlins, KS
Daisy #1-27
 Job Ticket: 45578 **DST#: 1**
 Test Start: 2012.03.04 @ 17:55:00

GENERAL INFORMATION:

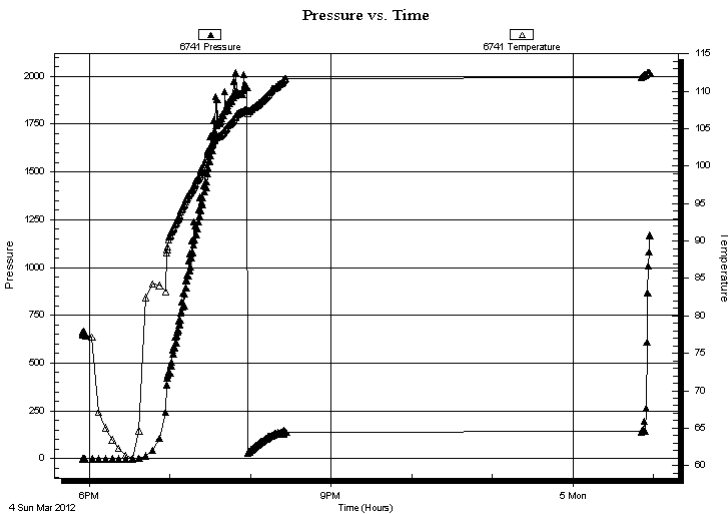
Formation: **Toronto-LKC,B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:58:30
 Time Test Ended: 00:59:00
 Interval: **3906.00 ft (KB) To 3994.00 ft (KB) (TVD)**
 Total Depth: 3994.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Kreuzer Jr.
 Unit No: 36
 Reference Elevations: 2926.00 ft (KB)
 2921.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6741 Outside

Press @ Run Depth: psig @ 3907.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.03.04 End Date: 2012.03.05 Last Calib.: 2012.03.05
 Start Time: 17:55:05 End Time: 00:56:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Fair blow , Built to B.O.B in 23 mins.
 IS: No blow back over 60 mins.
 FF: Weak blow , Built to 3 in. over 30 mins.
 FS: No blow back over 60 mins.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw -50% m 50% w	0.91
186.00	w cm-30% w 70% m	2.61
20.00	vsocw m-1% o 5% w 94% m	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co.

27-4s-31w Rawlins,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45578

DST#: 1

Test Start: 2012.03.04 @ 17:55:00

Tool Information

Drill Pipe:	Length: 3726.00 ft	Diameter: 3.80 inches	Volume: 52.27 bbl	Tool Weight: 2600.00 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: 65000.00 lb
			<u>Total Volume: 53.18 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3906.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	87.70 ft			
Tool Length:	115.70 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3883.00	
Hydraulic tool	5.00			3888.00	
Jars	5.00			3893.00	
Safety Joint	3.00			3896.00	
Packer	5.00			3901.00	28.00 Bottom Of Top Packer
Packer	5.00			3906.00	
Stubb	1.00			3907.00	
Recorder	0.00	6752	Inside	3907.00	
Recorder	0.00	6741	Outside	3907.00	
Perforations	3.00			3910.00	
Change Over Sub	0.60			3910.60	
Blank Spacing	62.50			3973.10	
Change Over Sub	0.60			3973.70	
Perforations	17.00			3990.70	
Bullnose	3.00			3993.70	87.70 Bottom Packers & Anchor

Total Tool Length: 115.70



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

27-4s-31w Rawlins,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45578

DST#: 1

Test Start: 2012.03.04 @ 17:55:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	mcw -50% m 50%w	0.915
186.00	w cm -30%w 70% m	2.609
20.00	vsocw m-1% o 5%w 94% m	0.281

Total Length: 392.00 ft Total Volume: 3.805 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

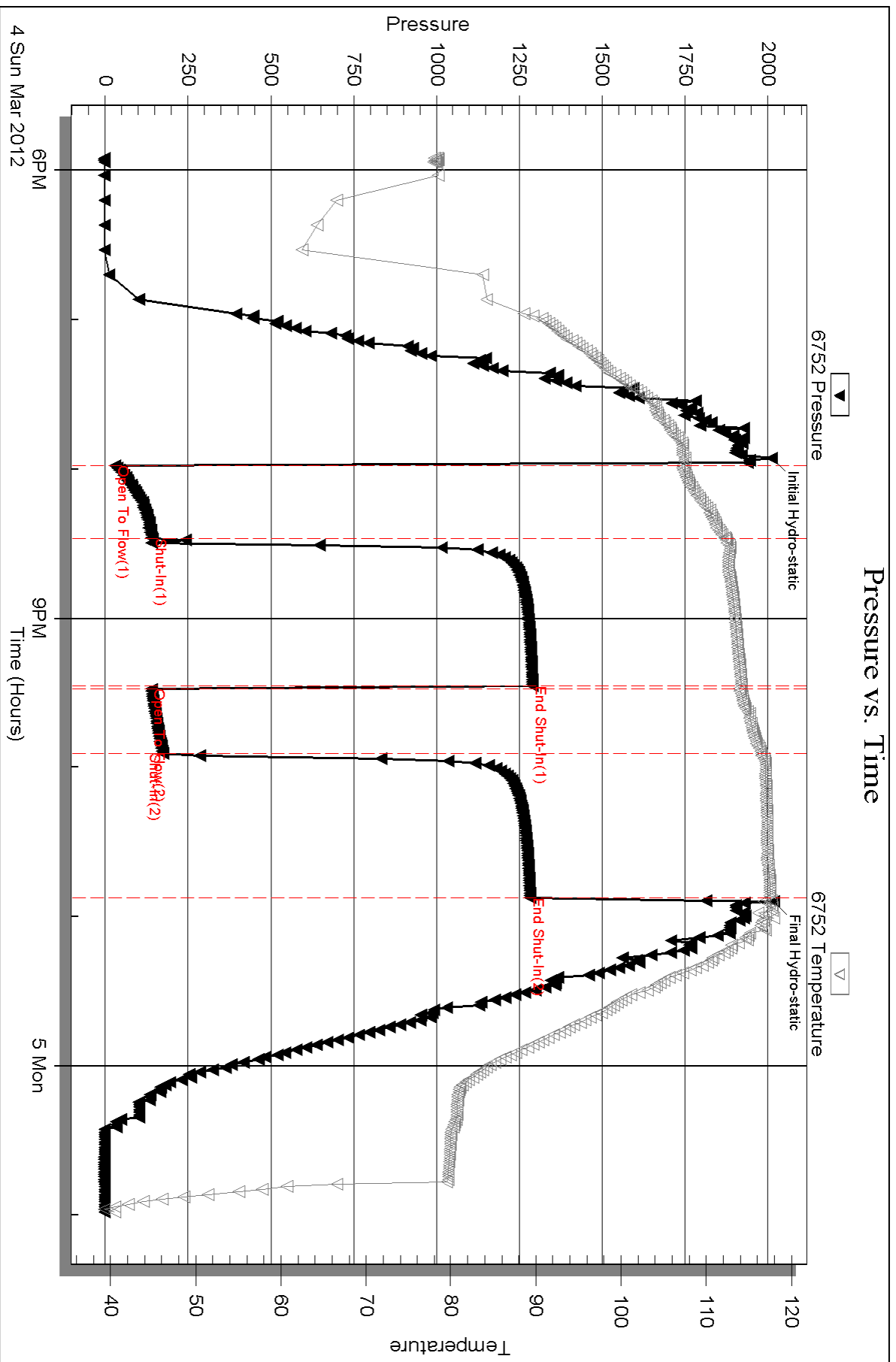
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



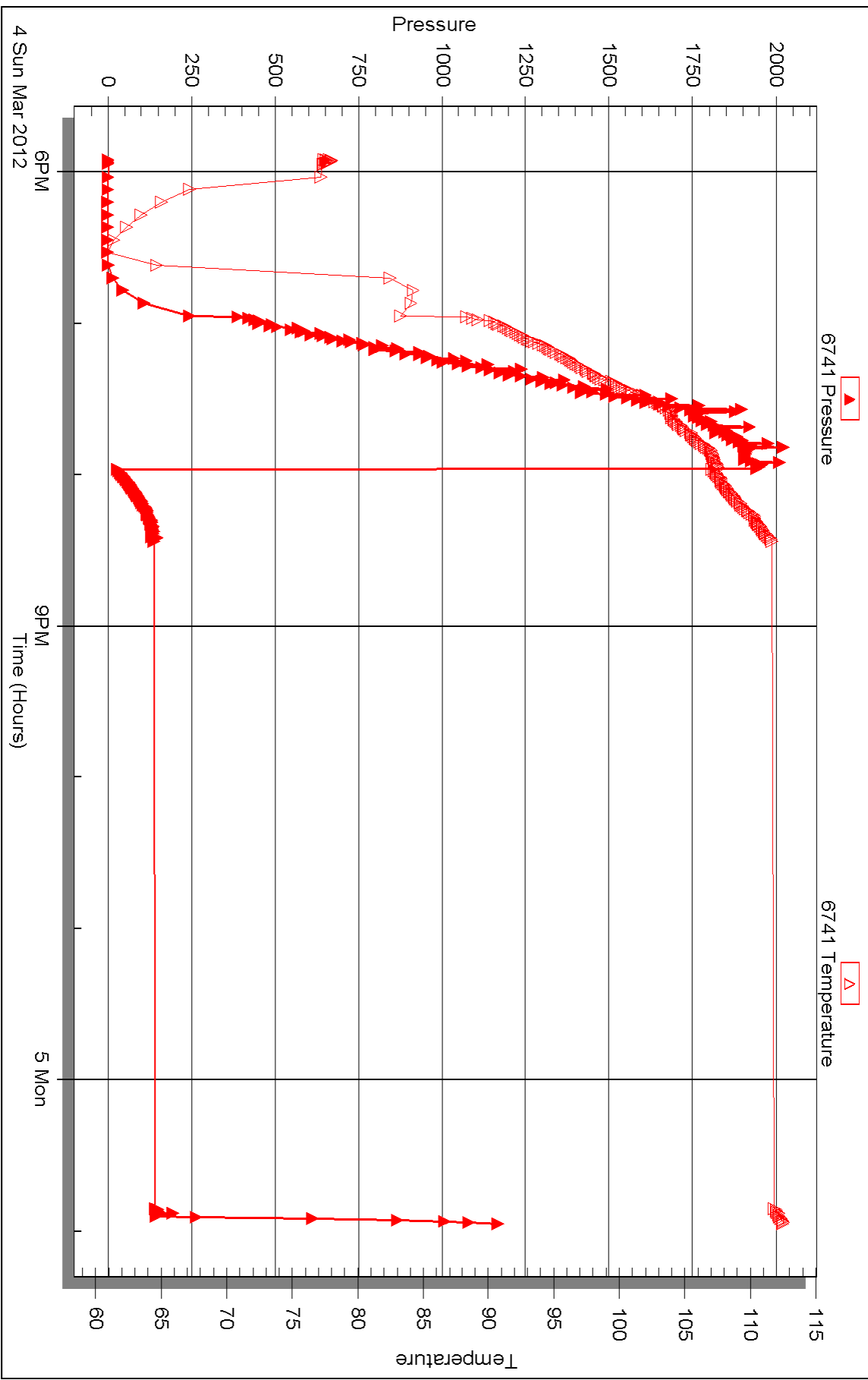
Serial #: 6741

Outside Murfin Drilling Co.

Daisy #1-27

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water
Ste. 300
Wichita KS 67202

ATTN: Jeff Christian

Daisy #1-27

27-4s-31w Rawlins,KS

Start Date: 2012.03.05 @ 10:20:00

End Date: 2012.03.05 @ 17:11:30

Job Ticket #: 45579 DST #: 2

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

Printed: 2012.03.19 @ 14:40:44



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co.

27-4s-31w Rawlins, KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45579

DST#: 2

Test Start: 2012.03.05 @ 10:20:00

GENERAL INFORMATION:

Formation: **LKC-D,E,F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:32:30

Time Test Ended: 17:11:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 3988.00 ft (KB) To 4034.00 ft (KB) (TVD)

Reference Elevations: 2926.00 ft (KB)

Total Depth: 4034.00 ft (KB) (TVD)

2921.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press @ Run Depth: 250.70 psig @ 3989.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.05

End Date: 2012.03.05

Last Calib.: 2012.03.05

Start Time: 10:20:05

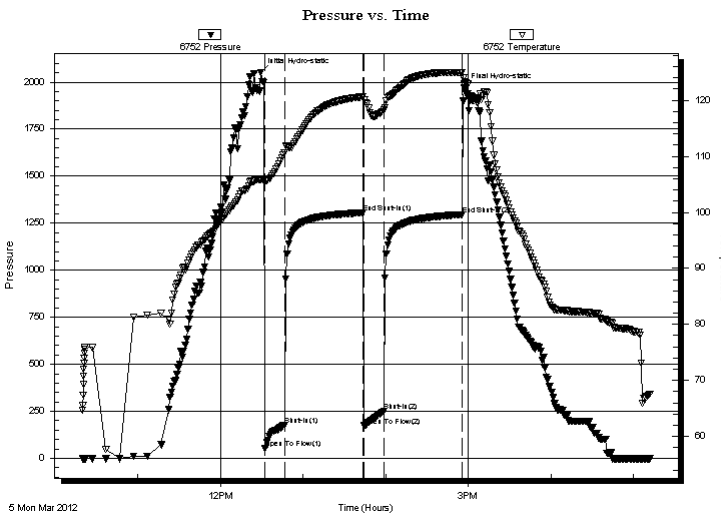
End Time: 17:11:29

Time On Btm: 2012.03.05 @ 12:29:30

Time Off Btm: 2012.03.05 @ 14:57:00

TEST COMMENT: IF: Strong blow, Built to B.O.B in 7 mins.
IS: Weak blow back after 10 mins. Weak surface after 60 mins.
FF: Strong blow, Built To B.O.B in 6 mins.
FSI: Weak blow back after 1 min. Built to 4 in. over 60 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2051.97	105.82	Initial Hydro-static
3	52.47	105.52	Open To Flow (1)
17	177.99	110.67	Shut-In (1)
74	1306.50	120.64	End Shut-In (1)
75	173.20	120.17	Open To Flow (2)
89	250.70	118.25	Shut-In (2)
146	1296.62	124.94	End Shut-In (2)
148	1969.14	122.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	vso&gcmw -2%o5%g20%m73%w	0.91
124.00	g&ocmw -5%g5%o30%m60%w	1.74
186.00	o&gcw m-10%g10%o30%w 50%m	2.61
10.00	go-20%g80o	0.14
0.00	236 gas in pipe	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co.

27-4s-31w Rawlins,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45579

DST#: 2

Test Start: 2012.03.05 @ 10:20:00

Tool Information

Drill Pipe:	Length: 3788.00 ft	Diameter: 3.80 inches	Volume: 53.14 bbl	Tool Weight: 2600.00 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: 70000.00 lb
			<u>Total Volume: 54.05 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3988.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.70 ft			
Tool Length:	74.70 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
Shut In Tool	5.00			3965.00	
Hydraulic tool	5.00			3970.00	
Jars	5.00			3975.00	
Safety Joint	3.00			3978.00	
Packer	5.00			3983.00	28.00 Bottom Of Top Packer
Packer	5.00			3988.00	
Stubb	1.00			3989.00	
Recorder	0.00	6752	Inside	3989.00	
Recorder	0.00	8651	Outside	3989.00	
Perforations	3.00			3992.00	
Change Over Sub	0.60			3992.60	
Blank Spacing	31.50			4024.10	
Change Over Sub	0.60			4024.70	
Perforations	7.00			4031.70	
Bullnose	3.00			4034.70	46.70 Bottom Packers & Anchor

Total Tool Length: 74.70



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

27-4s-31w Rawlins,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45579

DST#: 2

Test Start: 2012.03.05 @ 10:20:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 60.00 sec/qt
Water Loss: 5.58 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: 36.4 deg API
Water Salinity: 380000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	vso&gcmw -2%o5%g20%m73%w	0.915
124.00	g&ocmw -5%g5%o30%m60%w	1.739
186.00	o&gcw m-10%g10%o30%w 50%m	2.609
10.00	go-20%g80o	0.140
0.00	236 gas in pipe	0.000

Total Length: 506.00 ft Total Volume: 5.403 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: API 38 @ 76* Rw .19 @ 68.9*

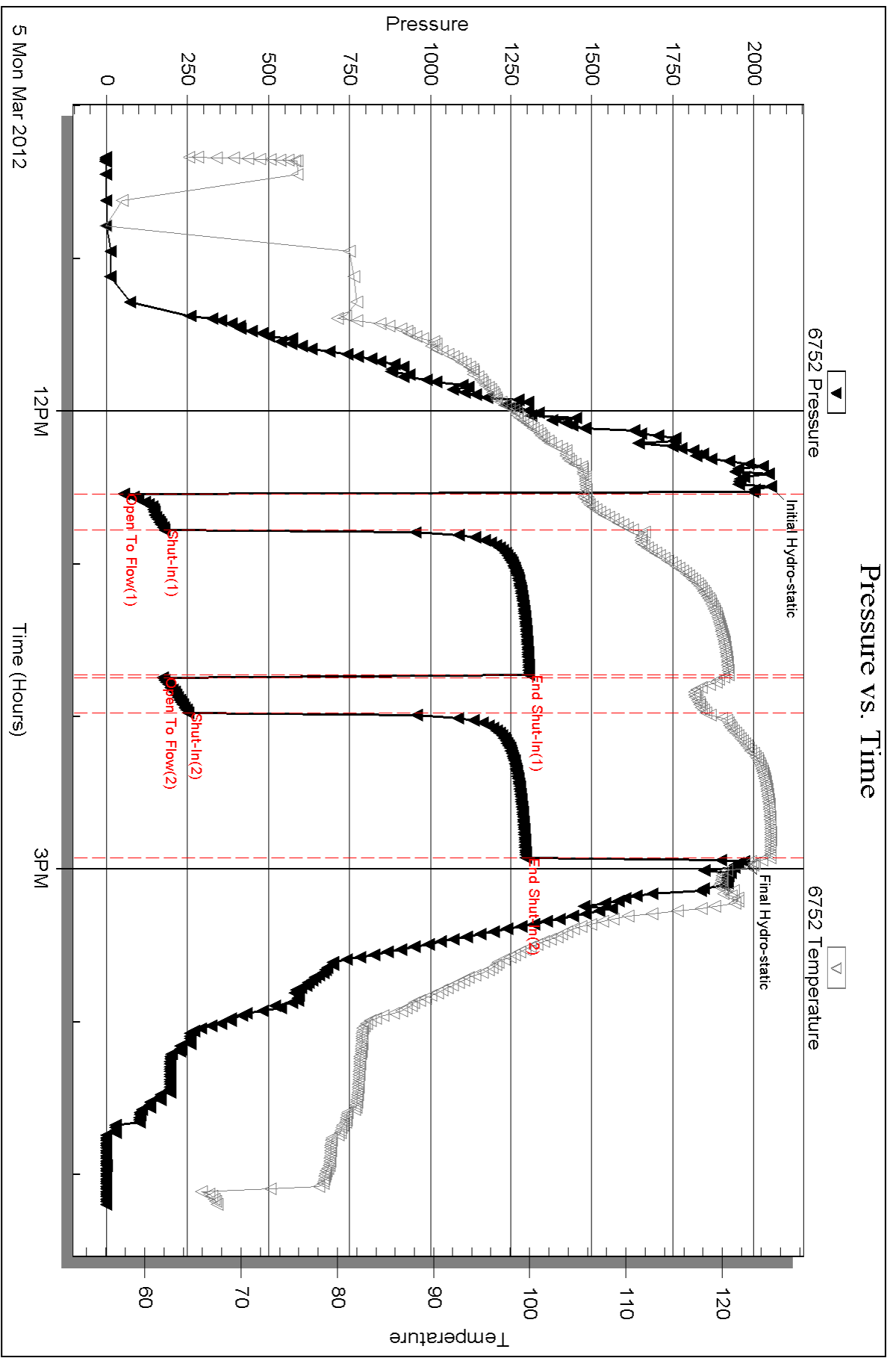
Serial #: 6752

Inside

Murfin Drilling Co.

Daisy #1-27

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 45579

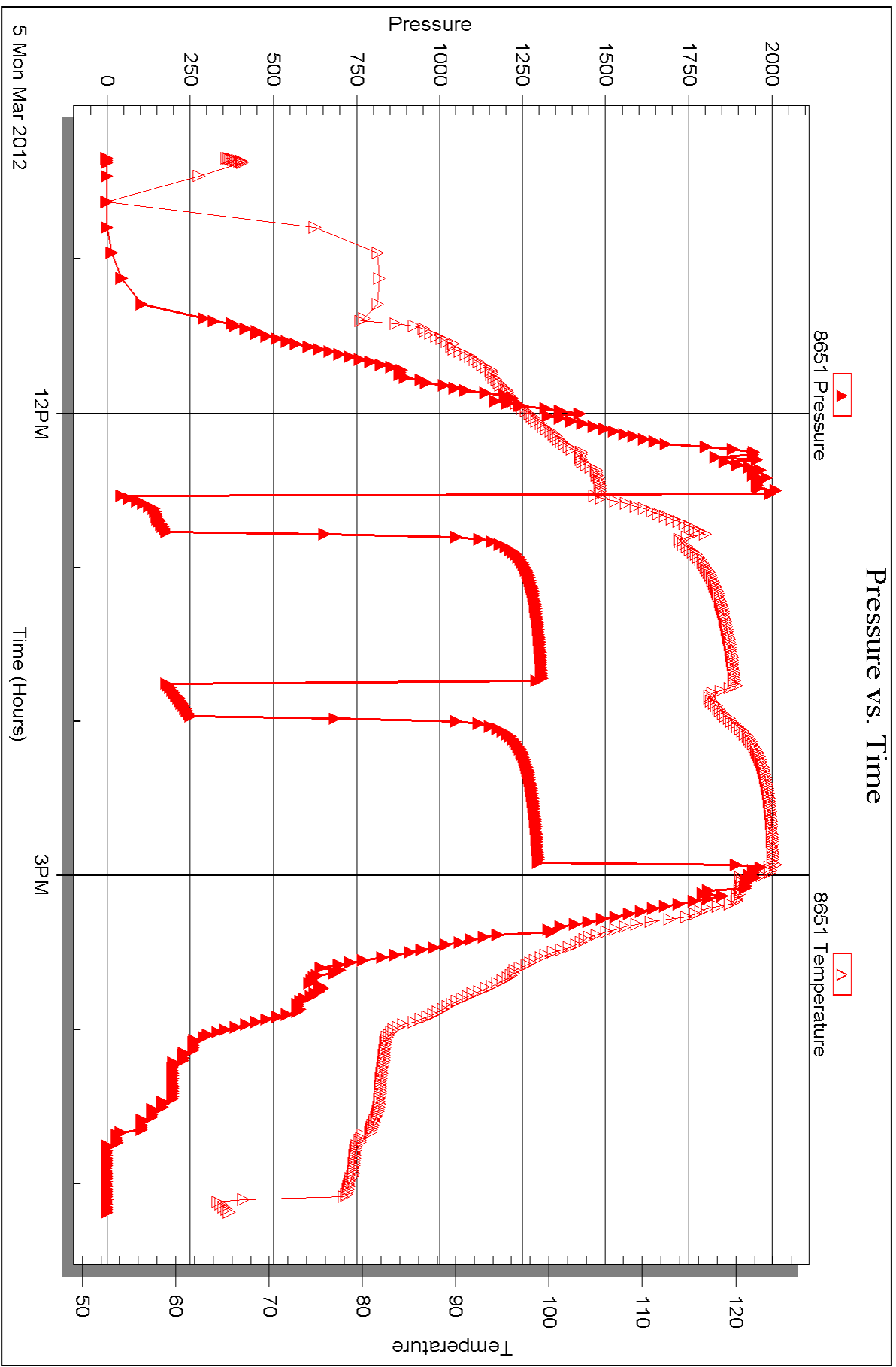
Printed: 2012.03.19 @ 14:40:46

Serial #: 8651

Outside Murfin Drilling Co.

Daisy #1-27

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water
Ste. 300
Wichita KS 67202

ATTN: Jeff Christian

Daisy #1-27

27-4s-31w Rawlins,KS

Start Date: 2012.03.06 @ 06:25:00

End Date: 2012.03.06 @ 14:53:30

Job Ticket #: 45580 DST #: 3

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

Printed: 2012.03.19 @ 14:39:51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co.

27-4s-31w Rawlins, KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45580

DST#: 3

Test Start: 2012.03.06 @ 06:25:00

GENERAL INFORMATION:

Formation: **LKC-H,J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:33:30

Time Test Ended: 14:53:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 4056.00 ft (KB) To 4135.00 ft (KB) (TVD)

Reference Elevations: 2926.00 ft (KB)

Total Depth: 4135.00 ft (KB) (TVD)

2921.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press @ Run Depth: 64.56 psig @ 4057.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.06

End Date:

2012.03.06

Last Calib.:

2012.03.06

Start Time: 06:25:05

End Time:

14:53:29

Time On Btm:

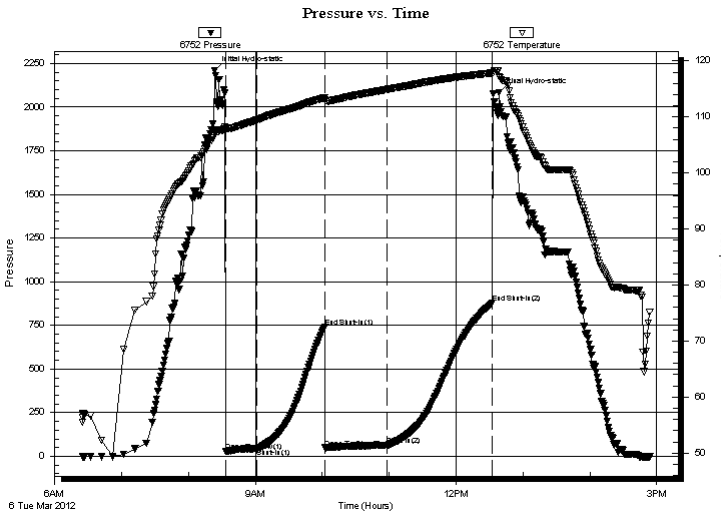
2012.03.06 @ 08:23:30

Time Off Btm:

2012.03.06 @ 12:38:30

TEST COMMENT: IF: Weak blow, Built to 2 in. over 30 mins.
IS: No blow back.
FF: Weak blow, Built to 2 1/2 in. over 60 mins.
FS: No blow back over 90 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2210.46	107.31	Initial Hydro-static
10	27.56	107.95	Open To Flow (1)
38	46.70	109.47	Shut-In(1)
99	742.46	113.40	End Shut-In(1)
99	48.85	113.14	Open To Flow (2)
154	64.56	114.88	Shut-In(2)
249	878.20	117.85	End Shut-In(2)
255	2082.85	117.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	vsocm-5%o95%m	0.30
62.00	ocm-30%o70%m	0.30
10.00	mco-40%m60%o	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co.

27-4s-31w Rawlins, KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45580

DST#: 3

Test Start: 2012.03.06 @ 06:25:00

Tool Information

Drill Pipe:	Length: 3864.00 ft	Diameter: 3.80 inches	Volume: 54.20 bbl	Tool Weight: 2600.00 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 55.11 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4056.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.70 ft			
Tool Length:	98.70 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4041.00	
Hydraulic tool	5.00			4046.00	
Packer	5.00			4051.00	20.00 Bottom Of Top Packer
Packer	5.00			4056.00	
Stubb	1.00			4057.00	
Recorder	0.00	6752	Inside	4057.00	
Recorder	0.00	8651	Outside	4057.00	
Perforations	3.00			4060.00	
Change Over Sub	0.60			4060.60	
Blank Spacing	62.50			4123.10	
Change Over Sub	0.60			4123.70	
Perforations	8.00			4131.70	
Bullnose	3.00			4134.70	78.70 Bottom Packers & Anchor

Total Tool Length: 98.70



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

27-4s-31w Rawlins,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45580

DST#: 3

Test Start: 2012.03.06 @ 06:25:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	vsocm-5%o95%m	0.305
62.00	ocm-30%o70%m	0.305
10.00	mco-40%m60%o	0.049

Total Length: 134.00 ft

Total Volume: 0.659 bbl

Num Fluid Samples: 0

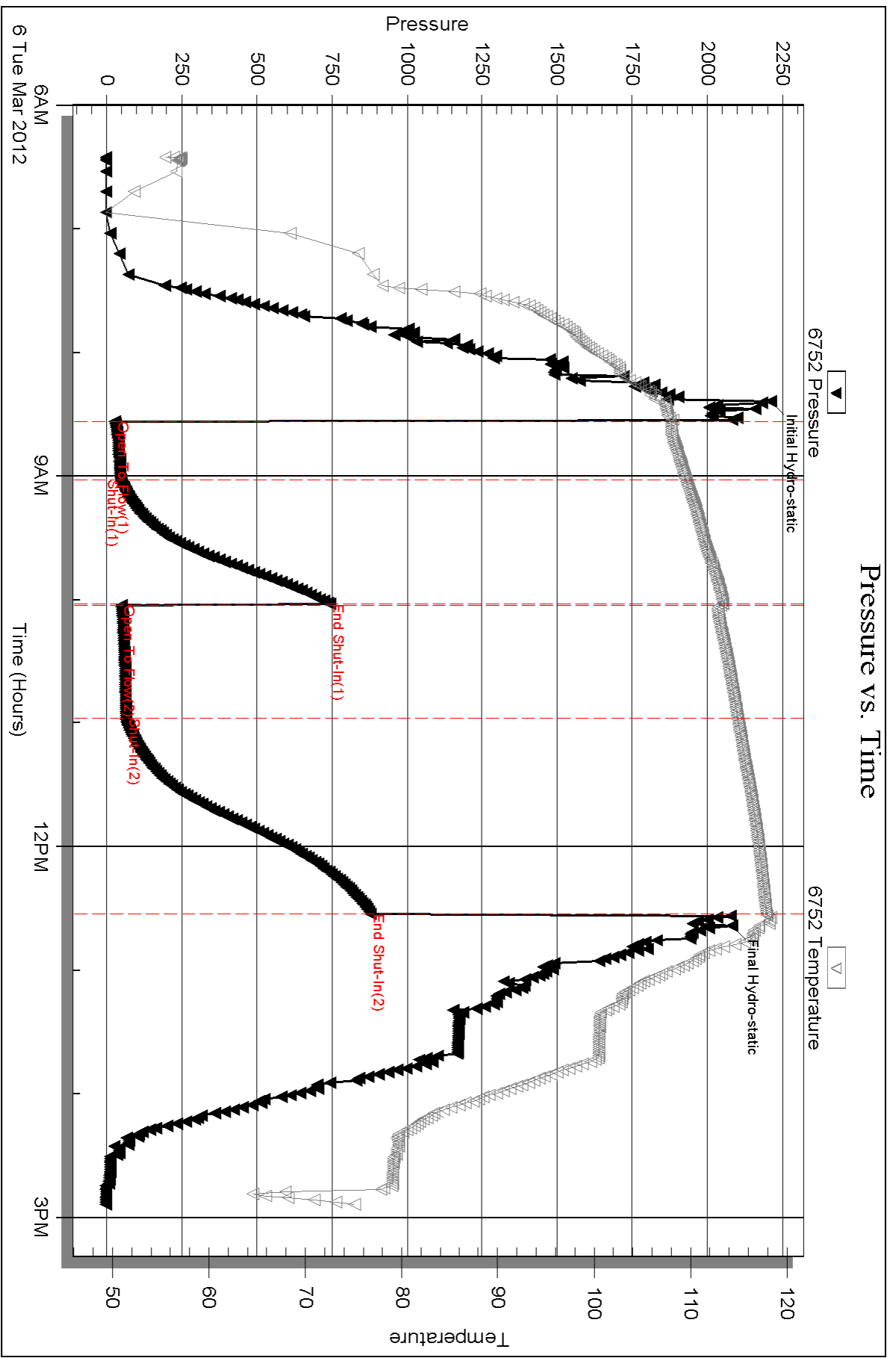
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

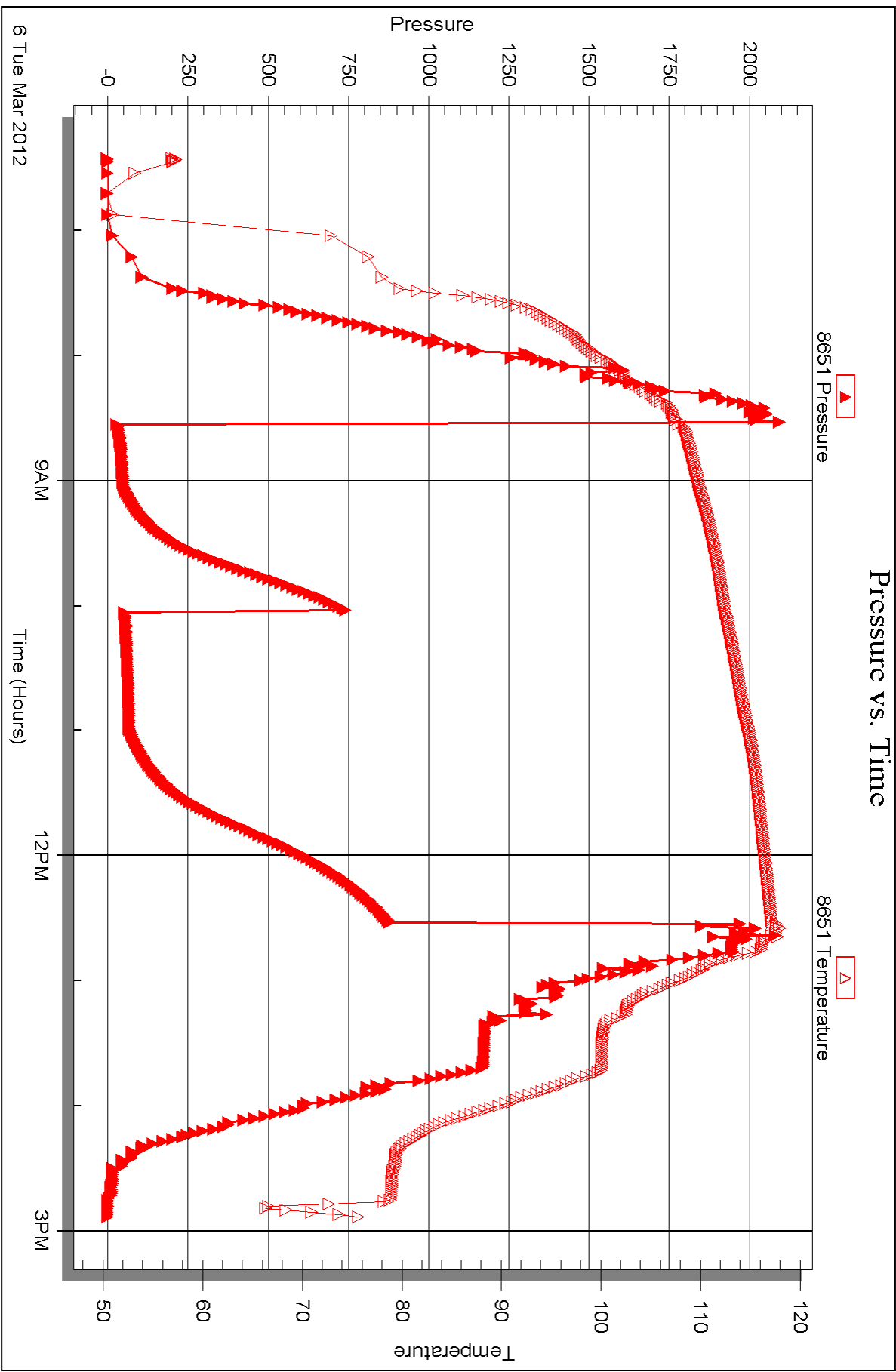


Serial #: 8651

Outside Murfin Drilling Co.

Daisy #1-27

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water
Ste. 300
Wichita KS 67202

ATTN: Jeff Christian

Daisy #1-27

27-4s-31w Rawlins,KS

Start Date: 2012.03.07 @ 00:25:00

End Date: 2012.03.07 @ 07:39:30

Job Ticket #: 45581 DST #: 4

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

Printed: 2012.03.19 @ 14:36:27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfyn Drilling Co.

27-4s-31w Rawlins, KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45581

DST#: 4

Test Start: 2012.03.07 @ 00:25:00

GENERAL INFORMATION:

Formation: **LKC-K,L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:24:00

Time Test Ended: 07:39:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 4124.00 ft (KB) To 4180.00 ft (KB) (TVD)

Reference Elevations: 2926.00 ft (KB)

Total Depth: 4180.00 ft (KB) (TVD)

2921.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press @ Run Depth: 24.14 psig @ 4125.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.07

End Date:

2012.03.07

Last Calib.:

2012.03.07

Start Time: 00:25:05

End Time:

07:39:29

Time On Btm:

2012.03.07 @ 02:17:30

Time Off Btm:

2012.03.07 @ 05:28:00

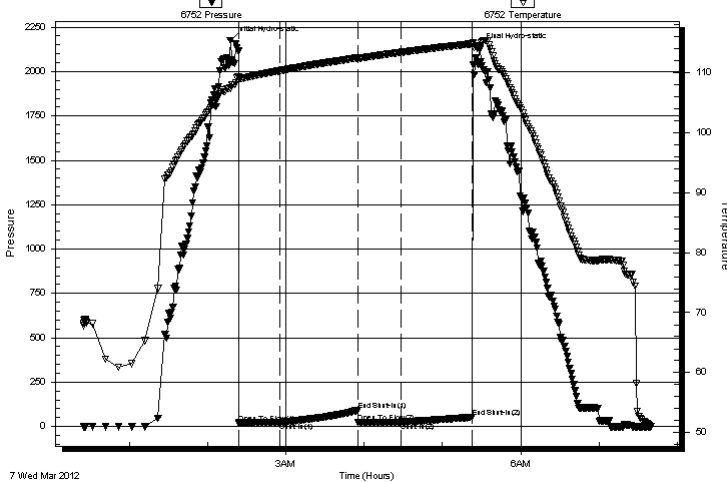
TEST COMMENT: IF: Weak blow, Dead in 10 mins.

IS: No blow back

FF: No blow

FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2175.67	107.41	Initial Hydro-static
7	19.37	109.03	Open To Flow (1)
38	21.89	110.29	Shut-In(1)
98	90.83	112.42	End Shut-In(1)
98	22.82	112.40	Open To Flow (2)
131	24.14	113.35	Shut-In(2)
185	51.90	114.78	End Shut-In(2)
191	2137.37	114.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w ith oil specs	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co.

27-4s-31w Rawlins, KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45581

DST#: 4

Test Start: 2012.03.07 @ 00:25:00

Tool Information

Drill Pipe:	Length: 3923.00 ft	Diameter: 3.80 inches	Volume: 55.03 bbl	Tool Weight: 2600.00 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: 62000.00 lb
			<u>Total Volume: 55.94 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4124.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.23 ft			
Tool Length:	75.23 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			4109.00	
Hydraulic tool	5.00			4114.00	
Packer	5.00			4119.00	20.00 Bottom Of Top Packer
Packer	5.00			4124.00	
Stubb	1.00			4125.00	
Recorder	0.00	6752	Inside	4125.00	
Recorder	0.00	8651	Outside	4125.00	
Perforations	3.00			4128.00	
Change Over Sub	0.60			4128.60	
Blank Spacing	32.03			4160.63	
Change Over Sub	0.60			4161.23	
Perforations	15.00			4176.23	
Bullnose	3.00			4179.23	55.23 Bottom Packers & Anchor

Total Tool Length: 75.23



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

27-4s-31w Rawlins,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45581

DST#: 4

Test Start: 2012.03.07 @ 00:25:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud with oil specs	0.025

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:

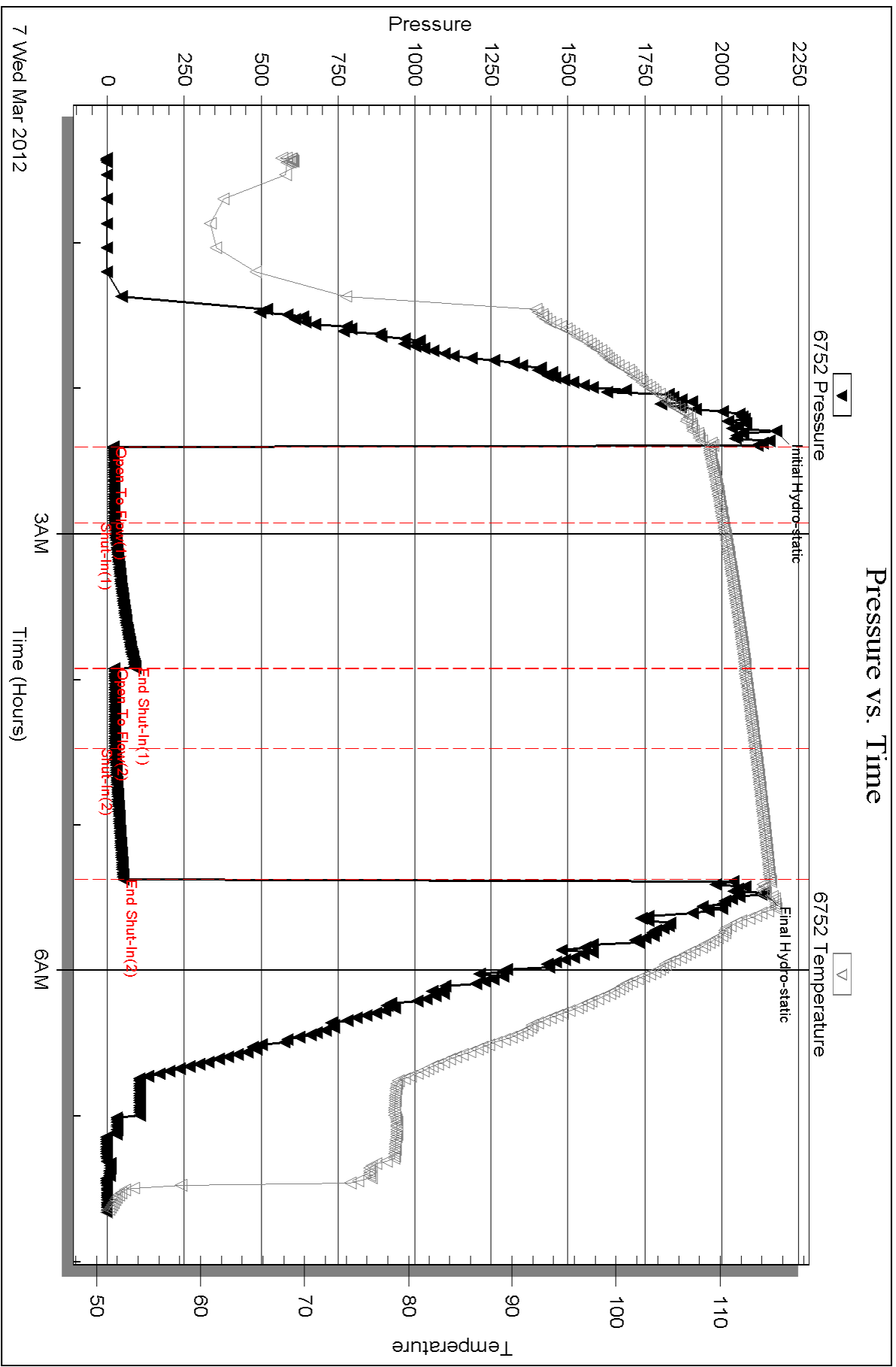
Serial #: 6752

Inside

Murfin Drilling Co.

Daisy #1-27

DST Test Number: 4

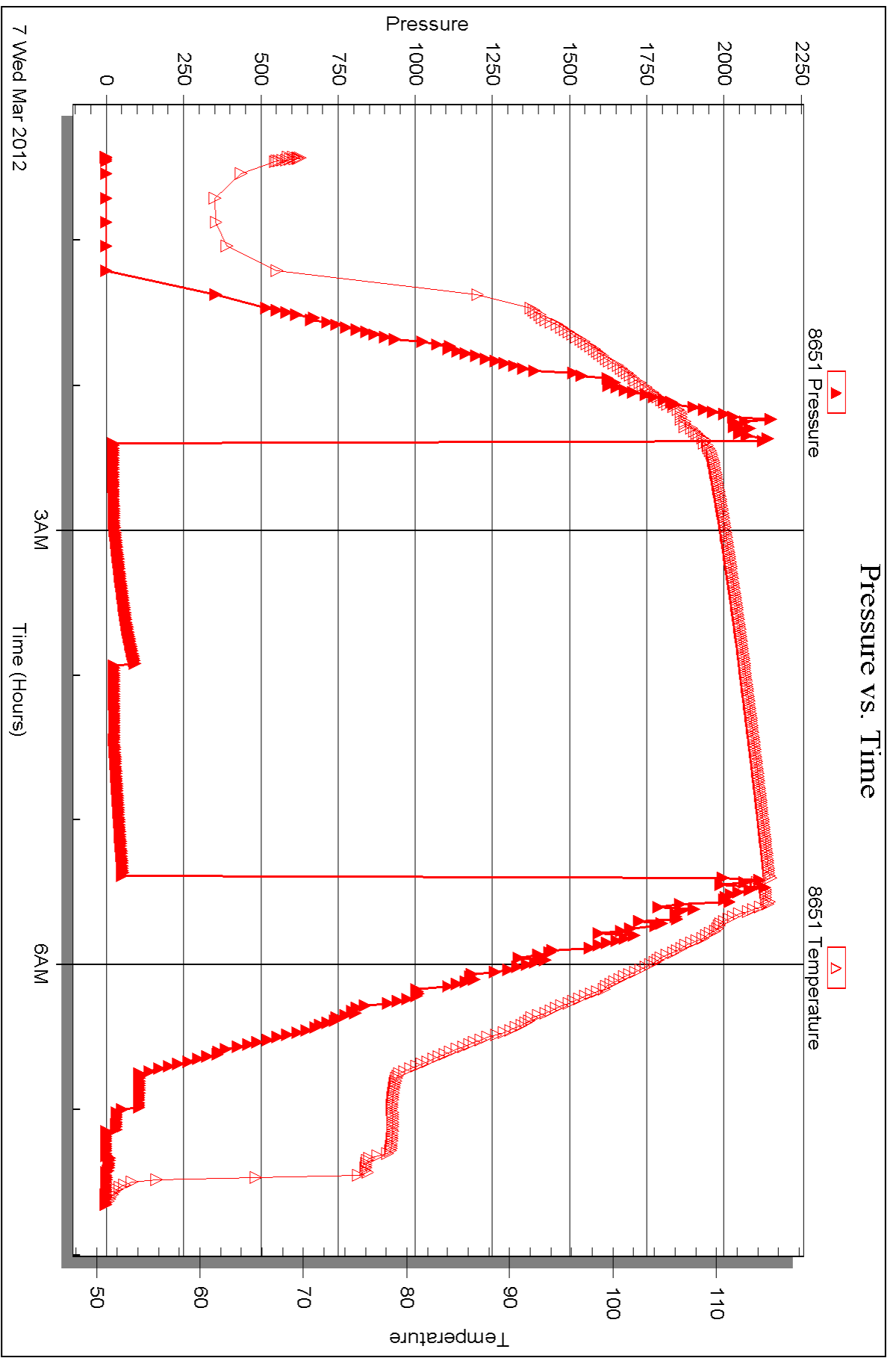


Serial #: 8651

Outside Murfin Drilling Co.

Daisy #1-27

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water
Ste. 300
Wichita KS 67202

ATTN: Jeff Christian

Daisy #1-27

27-4s-31w Rawlins,KS

Start Date: 2012.03.08 @ 16:50:00

End Date: 2012.03.09 @ 01:12:00

Job Ticket #: 45582 DST #: 5

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

Printed: 2012.03.19 @ 14:35:28



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co.

27-4s-31w Rawlins, KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45582

DST#: 5

Test Start: 2012.03.08 @ 16:50:00

GENERAL INFORMATION:

Formation: **Miss.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:01:30
 Time Test Ended: 01:12:00
 Interval: **4481.00 ft (KB) To 4550.00 ft (KB) (TVD)**
 Total Depth: 4550.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Kreuzer Jr.
 Unit No: 36
 Reference Elevations: 2926.00 ft (KB)
 2921.00 ft (CF)
 KB to GR/CF: 5.00 ft

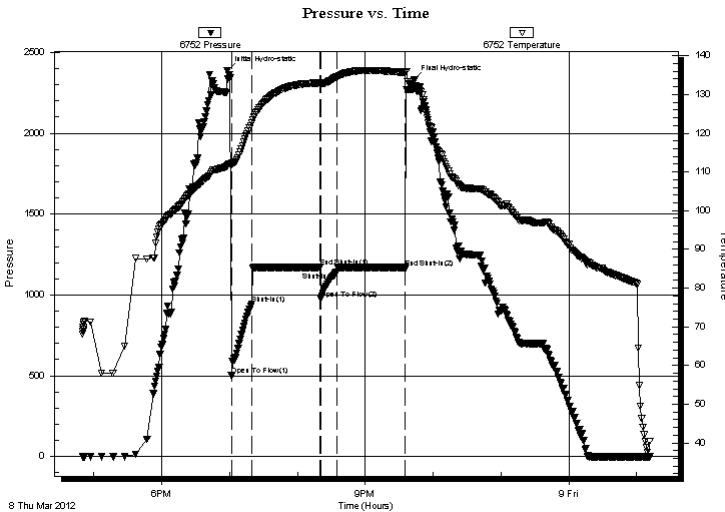
Serial #: 6752

Inside

Press@RunDepth: 1140.37 psig @ 4481.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.03.08 End Date: 2012.03.09 Last Calib.: 2012.03.09
 Start Time: 16:50:05 End Time: 01:11:59 Time On Btm: 2012.03.08 @ 18:58:00
 Time Off Btm: 2012.03.08 @ 21:43:30

TEST COMMENT: IF: Strong blow , Built to B.O.B in 45 sec.
 IS: No blow back over 60 mins.
 FF: Strong blow , Built to B.O.B in 45 sec.
 FS: No blow back over 60 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2389.36	111.52	Initial Hydro-static
4	500.92	111.97	Open To Flow (1)
22	945.43	122.60	Shut-In(1)
82	1170.23	132.94	End Shut-In(1)
83	975.00	132.83	Open To Flow (2)
97	1140.37	134.59	Shut-In(2)
157	1169.99	135.63	End Shut-In(2)
166	2329.42	131.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2126.00	Water-100%	28.13
124.00	w cm-20%w 80% m	1.74
0.00	140* @ .13=25000	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co.

27-4s-31w Rawlins,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45582

DST#: 5

Test Start: 2012.03.08 @ 16:50:00

Tool Information

Drill Pipe:	Length: 4306.00 ft	Diameter: 3.80 inches	Volume: 60.40 bbl	Tool Weight: 2600.00 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: 80000.00 lb
			<u>Total Volume: 61.31 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4481.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.70 ft			
Tool Length:	90.70 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			4465.00	
Hydraulic tool	5.00			4470.00	
Stubb	1.00			4471.00	
Packer	5.00			4476.00	21.00 Bottom Of Top Packer
Packer	5.00			4481.00	
Packer - Shale	0.00			4481.00	
Recorder	0.00	6752	Inside	4481.00	
Recorder	0.00	8651	Outside	4481.00	
Perforations	3.00			4484.00	
Change Over Sub	0.60			4484.60	
Blank Spacing	62.50			4547.10	
Change Over Sub	0.60			4547.70	
Bullnose	3.00			4550.70	69.70 Bottom Packers & Anchor

Total Tool Length: 90.70



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

27-4s-31w Rawlins,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Jeff Christian

Daisy #1-27

Job Ticket: 45582

DST#: 5

Test Start: 2012.03.08 @ 16:50:00

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2126.00	Water-100%	28.128
124.00	w cm-20%w 80%m	1.739
0.00	140*@ .13=25000	0.000

Total Length: 2250.00 ft Total Volume: 29.867 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6752

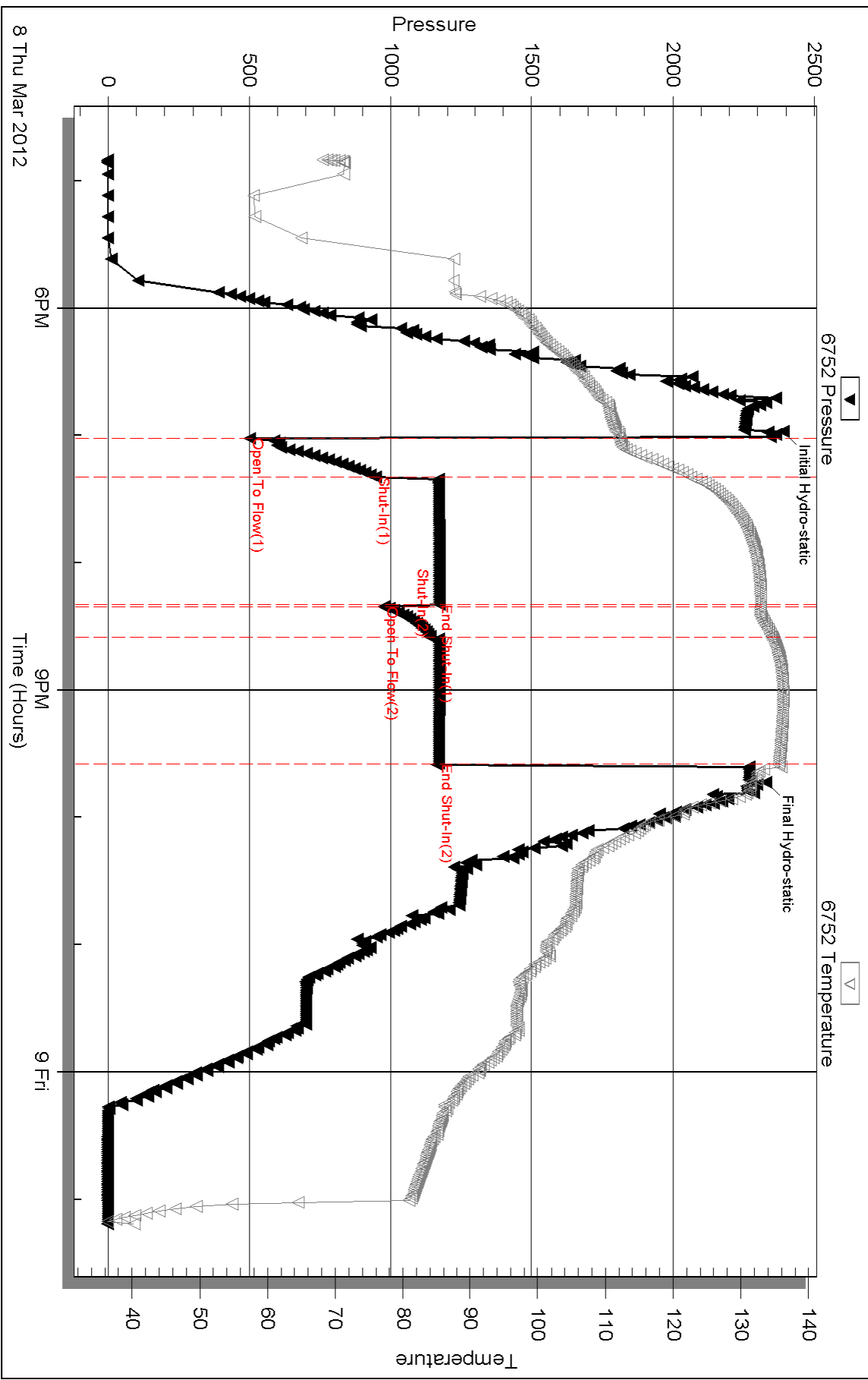
Inside

Murfin Drilling Co.

Daisy #1-27

DST Test Number: 5

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 45582

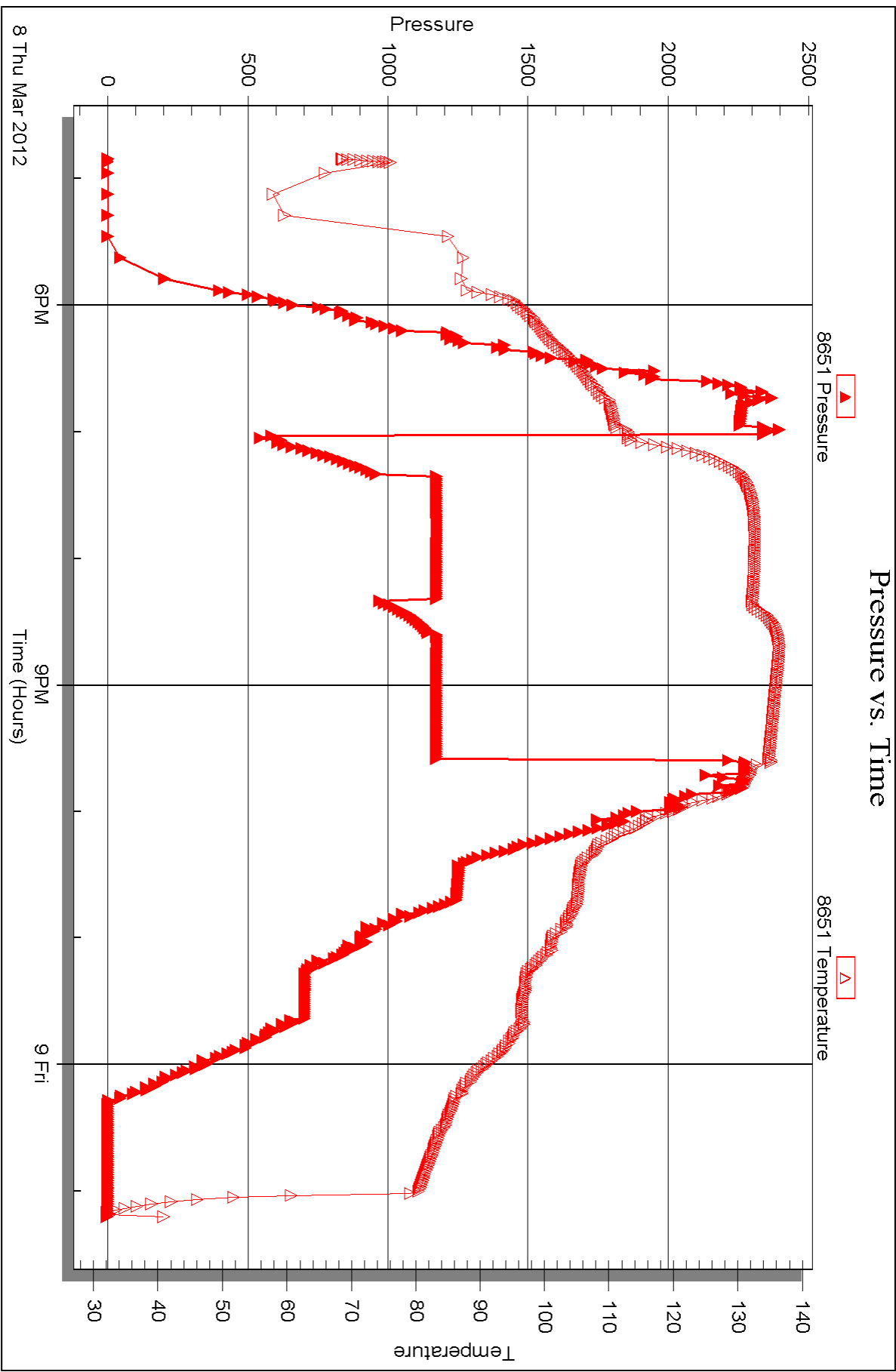
Printed: 2012.03.19 @ 14:35:30

Serial #: 8651

Outside Murfin Drilling Co.

Daisy #1-27

DST Test Number: 5



MunFin Daisy 270571



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 10 2012

Test Ticket

NO. 45578

Well Name & No. Daisy # 1-27 Test No. 1 Date 3-04-2012
 Company MunFin Drilling Co. Elevation 2926 KB 2921 GL
 Address 250 N. Water Ste. 300 Wichita Ks. 67202
 Co. Rep / Geo. Jeff Chiglisian Rig MunFin #8
 Location: Sec. 27 Twp. 4S Rge. 31W Co. Rawlins State KS

Interval Tested 3906 3994 Zone Tested Toronto - LKC - B
 Anchor Length 88 Drill Pipe Run 3726 Mud Wt. 9.0
 Top Packer Depth 3901 Drill Collars Run 186 Vis 60
 Bottom Packer Depth 3906 Wt. Pipe Run -0- WL 5.2
 Total Depth 3994 Chlorides 1800 ppm System LCM 7#
 Blow Description IF: Fresh blow, Built to B.O.B in 23 mins.
ISF: No blow back over 60 mins.
FF: weak blow, Built to 3in over 30 mins.
FSI: No blow back over 60 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>vsocwm</u>		<u>5</u>	<u>94</u>	
<u>186</u>	<u>wcm</u>		<u>30</u>	<u>70</u>	
<u>186</u>	<u>mcw</u>		<u>50</u>	<u>50</u>	

Rec Total 392 BHT 117.5 Gravity _____ API RW 5 @ 70 °F Chlorides 12500 ppm

(A) Initial Hydrostatic <u>2011</u>	<input checked="" type="checkbox"/> Test <u>1125'</u>	T-On Location <u>16:45</u>
(B) First Initial Flow <u>30</u>	<input checked="" type="checkbox"/> Jars <u>250'</u>	T-Started <u>17:58</u>
(C) First Final Flow <u>144</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>19:58</u>
(D) Initial Shut-In <u>1290</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>22:50</u>
(E) Second Initial Flow <u>140</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>00:59</u>
(F) Second Final Flow <u>174</u>	<input checked="" type="checkbox"/> Mileage <u>28x2 = 56x1.40 78.40</u>	Comments _____
(G) Final Shut-In <u>1283</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2017</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1528.40</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1528.40</u>	

Approved By _____ Our Representative Chris [Signature]

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 10 2012

Test Ticket

NO. 45579

BY: _____

Well Name & No. Daisy #1-27 Test No. 2 Date 3-05-2012
 Company Murfin Drilling Co. Elevation 2926 KB 2921 GL _____
 Address 250 N. Water Ste. 300 Wichita KS. 67207
 Co. Rep / Geo. Jeff Christian Rig Murfin #8
 Location: Sec. 27 Twp. 4S Rge. 31W Co. Rawlins State KS

Interval Tested 3988 4034 Zone Tested LKE-D, E, F,
 Anchor Length _____ 46 Drill Pipe Run 378B Mud Wt. 9.1
 Top Packer Depth _____ 3983 Drill Collars Run 186 Vis 60
 Bottom Packer Depth _____ 3988 Wt. Pipe Run -0- WL 5.6
 Total Depth _____ 4034 Chlorides 3000 ppm System LCM 7#
 Blow Description IF: Strong blow, Built to B.O.B in 7 mins.
ISI: Blow back after 10 mins. Weak surface over 60 mins.
FF: Strong Blow, Built to B.O.B in 6 mins.
FSI: Blow Back after 1 min. Built to in over 60 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>236 gas in pipe</u>				
<u>10</u>	<u>90</u>	<u>20%</u>	<u>80%</u>		
<u>186</u>	<u>0.89 cwm</u>	<u>10%</u>	<u>10%</u>	<u>30%</u>	<u>50%</u>
<u>124</u>	<u>0.89 cwm</u>	<u>5%</u>	<u>9%</u>	<u>60%</u>	<u>30%</u>
<u>186</u>	<u>VSOCMW</u>	<u>5%</u>	<u>2%</u>	<u>73%</u>	<u>20%</u>

Rec Total 506 BHT 124.9 Gravity 36.4 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2052 Test 1225 T-On Location 9:15
 (B) First Initial Flow 52 Jars _____ T-Started 10:20
 (C) First Final Flow 178 Safety Joint _____ T-Open 12:30
 (D) Initial Shut-In 1307 Circ Sub _____ T-Pulled 1501
 (E) Second Initial Flow 173 Hourly Standby _____ T-Out 17:11
 (F) Second Final Flow 251 Mileage 28x2=56x1.40 78 Comments _____
 (G) Final Shut-In 1297 Sampler _____
 (H) Final Hydrostatic 1969 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 60 Day Standby _____ Total 1303.40
 Final Flow 15 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1303.40

Approved By _____ Our Representative Chuck Kiper
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 10 2012
BY: _____

Test Ticket

NO. 45580

4/10

Well Name & No. Daisy #1-27 Test No. 3 Date 3-06-2012
 Company MwFin Drilling Co Elevation 2926 KB 2921 GL
 Address 250 N. water ste. 300 Wichita Ks 67202
 Co. Rep / Geo. Jeff Christian Rig MwFin#2
 Location: Sec. 27 Twp. 4S Rge. 31w Co. Rawlins State Ks

Interval Tested 4056 4135 Zone Tested LKC-H,J
 Anchor Length 79 Drill Pipe Run 3864 Mud Wt. 9.1
 Top Packer Depth 4051 Drill Collars Run 186 Vis 60
 Bottom Packer Depth 4056 Wt. Pipe Run -0- WL 5.6
 Total Depth 4135 Chlorides 3000 ppm System LCM 7#

Blow Description IF: weak blow 2 in over 30 mins
IST: NO blow back
FF: weak blow 2 1/2 in, over 60 mins
FST: NO blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MCO</u>	<u>60</u>	<u>oil</u>	<u>40</u>	<u>mud</u>
<u>62</u>	<u>OCM</u>	<u>30</u>	<u>oil</u>	<u>70</u>	<u>mud</u>
<u>62</u>	<u>VSO CM</u>	<u>5</u>	<u>oil</u>	<u>95</u>	<u>mud</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 134 BHT 117.9 Gravity 12.25 API RW @ 76 °F Chlorides _____ ppm

(A) Initial Hydrostatic 2246 Test 12.25 T-On Location 5:45
 (B) First Initial Flow 28 Jars _____ T-Started 6:25
 (C) First Final Flow 47 Safety Joint _____ T-Open 8:33
 (D) Initial Shut-In 742 Circ Sub _____ T-Pulled 12:38
 (E) Second Initial Flow 49 Hourly Standby _____ T-Out 14:53
 (F) Second Final Flow 65 Mileage 28x2 = 56x1.40 76 Comments _____
 (G) Final Shut-In 878 Sampler _____
 (H) Final Hydrostatic 2083 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 1
 Initial Shut-In 60 Day Standby _____ Total 1303.40
 Final Flow 60 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1303.40

Approved By _____ Our Representative Chris [Signature]
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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 10 2012

Test Ticket

NO. 45581

110227

BY: _____

Well Name & No. Daisy # 1-27 Test No. 4 Date 3-06-12

Company MurFin Drilling Co. Elevation 2926 KB 2921 GL _____

Address 250 N. Water Ste 300 Wichita 67202

Co. Rep / Geo. Jeff Christian Rig MurFin #8

Location: Sec. 27 Twp. 4S Rge. 31W Co. Rawlins State Ks.

Interval Tested 4124 4180 Zone Tested LKC-K,L

Anchor Length _____ Drill Pipe Run 3923 Mud Wt. 9.3

Top Packer Depth _____ Drill Collars Run 186 Vis 55

Bottom Packer Depth _____ Wt. Pipe Run -0- WL 6.4

Total Depth 4180 Chlorides 3300 ppm System LCM 8#

Blow Description IF: weak blow, Dead in 10 mins

ISI: No blow back

FF: No blow

FSI: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud with oil specs</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

Rec Total 5 BHT 1148 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2176 Test 1225 T-On Location 23:40

(B) First Initial Flow 19 Jars _____ T-Started 00:25

(C) First Final Flow 22 Safety Joint _____ T-Open 2:24

(D) Initial Shut-In 91 Circ Sub _____ T-Pulled 5:28

(E) Second Initial Flow 23 Hourly Standby _____ T-Out 7:39

(F) Second Final Flow 24 Mileage 28x2=56x1.40 78.40 Comments _____

(G) Final Shut-In 52 Sampler _____

(H) Final Hydrostatic 2137 Straddle _____ Ruined Shale Packer _____

Shale Packer _____ Ruined Packer _____

Extra Packer _____ Extra Copies _____

Extra Recorder _____ Sub Total 0

Day Standby _____ Total 1303.40

Accessibility _____ MP/DST Disc't _____

Sub Total 1303.40

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 16 2012
BY: _____

Test Ticket

NO. 45582

Well Name & No. Daisy # 1-27 Test No. 5 Date 3-08-2012
 Company Murfin Drilling Co. Elevation 2926 KB 2921 GL
 Address 250 N. Water Ste. 300 Wichita KS, 67202
 Co. Rep / Geo. Jeff Christian Rig Murfin Drilling #8
 Location: Sec. 27 Twp. 4S Rge. 31W Co. Rawlins State KS

Interval Tested 4481 4550 Zone Tested MISS.
 Anchor Length 69 Drill Pipe Run 4306 Mud Wt. 9.4
 Top Packer Depth 4476 Drill Collars Run 186 Vis 62
 Bottom Packer Depth 4481 Wt. Pipe Run -0- WL 5.6
 Total Depth 4550 Chlorides 2400 ppm System LCM 8#

Blow Description IF: Strong blow, B.O.B in 45 sec.
ISF: No blow back over 60 mins
FF: Strong blow, B.O.B in 45 sec.
FSI: No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>wcm</u>			<u>20</u>	<u>80</u>
<u>2126</u>	<u>water</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2250 BHT 135.6 Gravity 1.225 API RW .13 @ 140 ° F Chlorides 25000 ppm

(A) Initial Hydrostatic <u>2389</u>	<input checked="" type="checkbox"/> Test <u>1225</u>	T-On Location <u>16:03</u>
(B) First Initial Flow <u>501</u>	<input type="checkbox"/> Jars	T-Started <u>16:50</u>
(C) First Final Flow <u>945</u>	<input type="checkbox"/> Safety Joint	T-Open <u>19:01</u>
(D) Initial Shut-In <u>1170</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>21:35</u>
(E) Second Initial Flow <u>975</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1:12</u>
(F) Second Final Flow <u>1140</u>	<input checked="" type="checkbox"/> Mileage <u>28x2 = 56 x 1.40 = 78.40</u>	Comments
(G) Final Shut-In <u>1170</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2329</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Open <u>15</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>15</u>	<input type="checkbox"/> Day Standby	Total <u>1553.40</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1553.40</u>	

Approved By _____ Our Representative [Signature]

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