



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water Ste. 300
Wichita KS 67202

ATTN: Rocky Milford

Brown Farms #1-1

1-5s-31w Rawlins,KS

Start Date: 2013.01.01 @ 12:30:00

End Date: 2013.01.01 @ 21:05:00

Job Ticket #: 043025 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.01.07 @ 13:13:29



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co.
250 N. Water Ste. 300
Wichita KS 67202
ATTN: Rocky Milford

1-5s-31w Rawlins,KS
Brown Farms #1-1
Job Ticket: 043025 **DST#: 1**
Test Start: 2013.01.01 @ 12:30:00

GENERAL INFORMATION:

Formation: **Toronto-LKC-B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:32:30
Time Test Ended: 21:05:00
Interval: **3837.00 ft (KB) To 3922.00 ft (KB) (TVD)**
Total Depth: 3922.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Charles Kreutzer Jr.
Unit No: 61
Reference Elevations: 2852.00 ft (KB)
2847.00 ft (CF)
KB to GR/CF: 5.00 ft

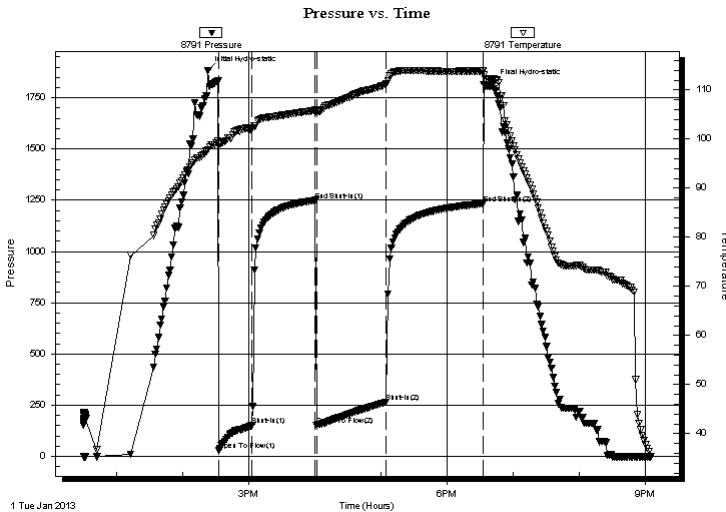
Serial #: 8791

Inside

Press @ Run Depth: 264.87 psig @ 3838.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.01.01 End Date: 2013.01.01 Last Calib.: 2013.01.01
Start Time: 12:30:01 End Time: 21:05:00 Time On Btm: 2013.01.01 @ 14:23:00
Time Off Btm: 2013.01.01 @ 18:41:30

TEST COMMENT: IF: Fair blow , Built to B.O.B in 15 mins.(30)
IS: No blow back over 60 mins.
FF: Fair blow , Built to B.O.B in 18 mins.(60)
FS: Blow back after 5 mins. Built to 3 in. over 90 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1883.94	97.87	Initial Hydro-static
10	28.01	99.08	Open To Flow (1)
40	151.85	102.22	Shut-In(1)
98	1249.70	105.96	End Shut-In(1)
99	152.57	105.52	Open To Flow (2)
162	264.87	111.22	Shut-In(2)
250	1232.90	113.89	End Shut-In(2)
259	1819.13	112.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	osmw -1%o19%m70%w	0.91
124.00	ocmw -15%o30%m55%w	1.74
124.00	ocw m-20%w 30%o50%m	1.74
107.00	ocm-30%m70%o	1.50

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co.

1-5s-31w Rawlins,KS

250 N. Water Ste. 300
Wichita KS 67202

Brown Farms #1-1

Job Ticket: 043025

DST#: 1

ATTN: Rocky Milford

Test Start: 2013.01.01 @ 12:30:00

Tool Information

Drill Pipe:	Length: 3631.00 ft	Diameter: 3.80 inches	Volume: 50.93 bbl	Tool Weight: 2400.00 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: 55000.00 lb
			<u>Total Volume: 51.84 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3837.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	113.00 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			3814.00	
Hydraulic tool	5.00			3819.00	
Jars	5.00			3824.00	
Safety Joint	3.00			3827.00	
Packer	5.00			3832.00	28.00 Bottom Of Top Packer
Packer	5.00			3837.00	
Stubb	1.00			3838.00	
Recorder	0.00	8791	Inside	3838.00	
Recorder	0.00	8651	Outside	3838.00	
Perforations	2.00			3840.00	
change Over Sub	1.00			3841.00	
Drill Pipe	62.00			3903.00	
Change Over Sub	1.00			3904.00	
Perforations	15.00			3919.00	
Bullnose	3.00			3922.00	85.00 Bottom Packers & Anchor

Total Tool Length: 113.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

1-5s-31w Rawlins,KS

250 N. Water Ste. 300
Wichita KS 67202

Brown Farms #1-1

Job Ticket: 043025

DST#: 1

ATTN: Rocky Milford

Test Start: 2013.01.01 @ 12:30:00

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: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
186.00	osmw -1%o19%m70%w	0.915
124.00	ocmw -15%o30%m55%w	1.739
124.00	ocw m-20%w 30%o50%m	1.739
107.00	ocm-30%m70%o	1.501

Total Length: 541.00 ft

Total Volume: 5.894 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8791

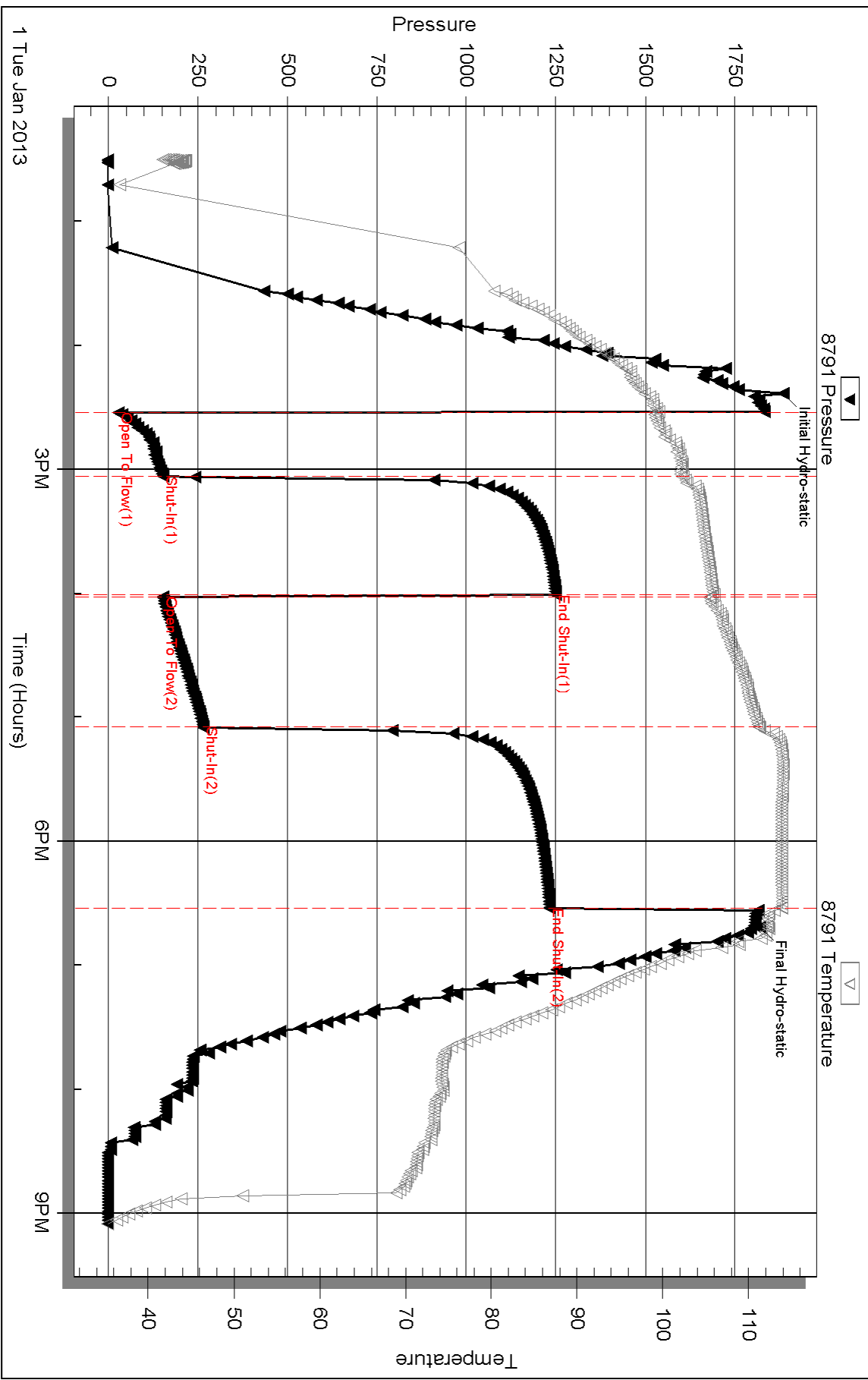
Inside

Murfin Drilling Co.

Brown Farms #1-1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 043025

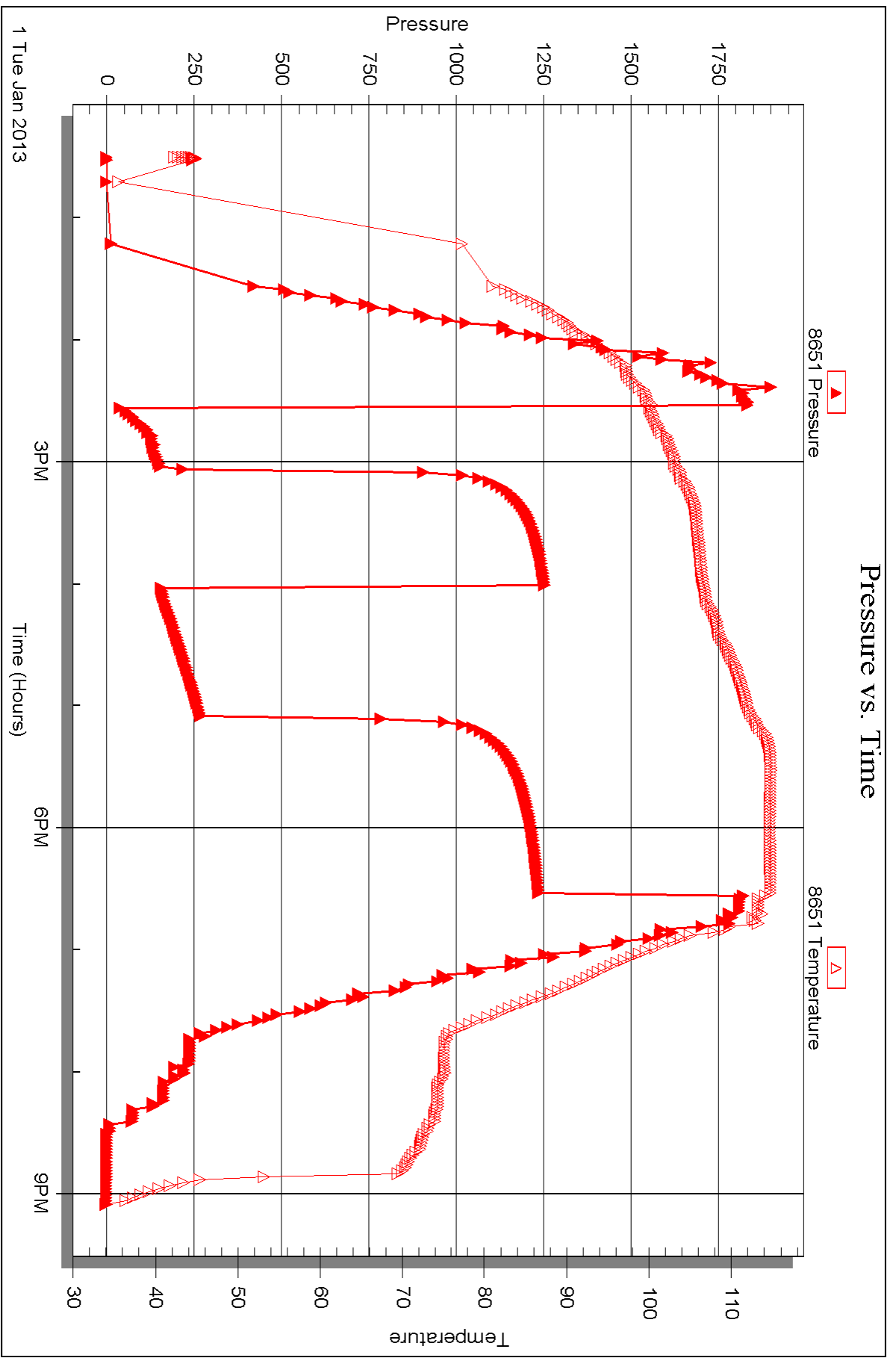
Printed: 2013.01.07 @ 13:13:33

Serial #: 8651

Outside Murfin Drilling Co.

Brown Farms #1-1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water Ste. 300
Wichita KS 67202

ATTN: Rocky Milford

Brown Farms #1-1

1-5s-31w Rawlins,KS

Start Date: 2013.01.02 @ 06:15:00

End Date: 2013.01.02 @ 15:30:00

Job Ticket #: 48027 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.01.07 @ 13:12:15



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co.
 250 N. Water Ste. 300
 Wichita KS 67202
 ATTN: Rocky Milford

1-5s-31w Rawlins,KS
Brown Farms #1-1
 Job Ticket: 48027 **DST#: 2**
 Test Start: 2013.01.02 @ 06:15:00

GENERAL INFORMATION:

Formation: **LKC-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:54:30
 Time Test Ended: 15:30:00
 Interval: **3938.00 ft (KB) To 3964.00 ft (KB) (TVD)**
 Total Depth: 3964.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Charles Kreuzer Jr.
 Unit No: 61
 Reference Elevations: 2852.00 ft (KB)
 2847.00 ft (CF)
 KB to GR/CF: 5.00 ft

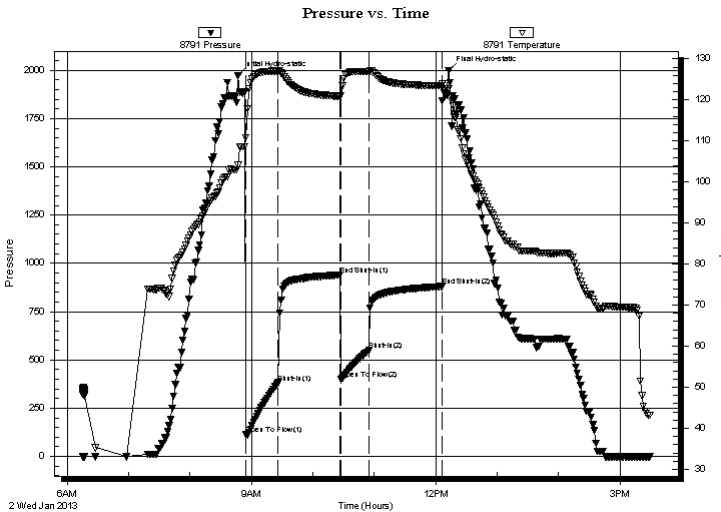
Serial #: 8791

Inside

Press @ RunDepth: 550.36 psig @ 3939.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.02 End Date: 2013.01.02 Last Calib.: 2013.01.02
 Start Time: 06:15:01 End Time: 15:30:00 Time On Btm: 2013.01.02 @ 08:47:00
 Time Off Btm: 2013.01.02 @ 12:12:30

TEST COMMENT: IF: Strong blow , Built to B.O.B in 1 min.(30)
 IS: Blow back after 1 min. Built to B.O.B in 30 mins.(60)
 FF: Strong blow , Built to B.O.B in 1 min.(30)
 FSI: Blow back after 1 sec. Built to B.O.B in 10 mins.(60)

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1971.70	104.04	Initial Hydro-static
8	113.65	110.80	Open To Flow (1)
39	381.61	127.01	Shut-In(1)
100	941.55	120.84	End Shut-In(1)
101	397.70	120.99	Open To Flow (2)
128	550.36	126.91	Shut-In(2)
199	880.32	123.43	End Shut-In(2)
206	1999.37	122.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mco-40% m60%o	0.91
620.00	go-30%g70%o	8.70
496.00	go-40%g60%o	6.96
0.00	1364ft 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.

1-5s-31w Rawlins,KS

250 N. Water Ste. 300
Wichita KS 67202

Brown Farms #1-1

Job Ticket: 48027

DST#: 2

ATTN: Rocky Milford

Test Start: 2013.01.02 @ 06:15:00

Tool Information

Drill Pipe:	Length: 3754.00 ft	Diameter: 3.80 inches	Volume: 52.66 bbl	Tool Weight: 2400.00 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: 55000.00 lb
			<u>Total Volume: 53.57 bbl</u>	Tool Chased 45.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3938.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 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			3915.00	
Hydraulic tool	5.00			3920.00	
Jars	5.00			3925.00	
Safety Joint	3.00			3928.00	
Packer	5.00			3933.00	28.00 Bottom Of Top Packer
Packer	5.00			3938.00	
Stubb	1.00			3939.00	
Recorder	0.00	8791	Inside	3939.00	
Recorder	0.00	8651	Outside	3939.00	
Perforations	2.00			3941.00	
Perforations	20.00			3961.00	
Bullnose	3.00			3964.00	26.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

1-5s-31w Rawlins,KS

250 N. Water Ste. 300
Wichita KS 67202

Brown Farms #1-1

Job Ticket: 48027

DST#: 2

ATTN: Rocky Milford

Test Start: 2013.01.02 @ 06:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
186.00	mco-40%m60%o	0.915
620.00	go-30%g70%o	8.697
496.00	go-40%g60%o	6.958
0.00	1364ft gas in pipe	0.000

Total Length: 1302.00 ft

Total Volume: 16.570 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

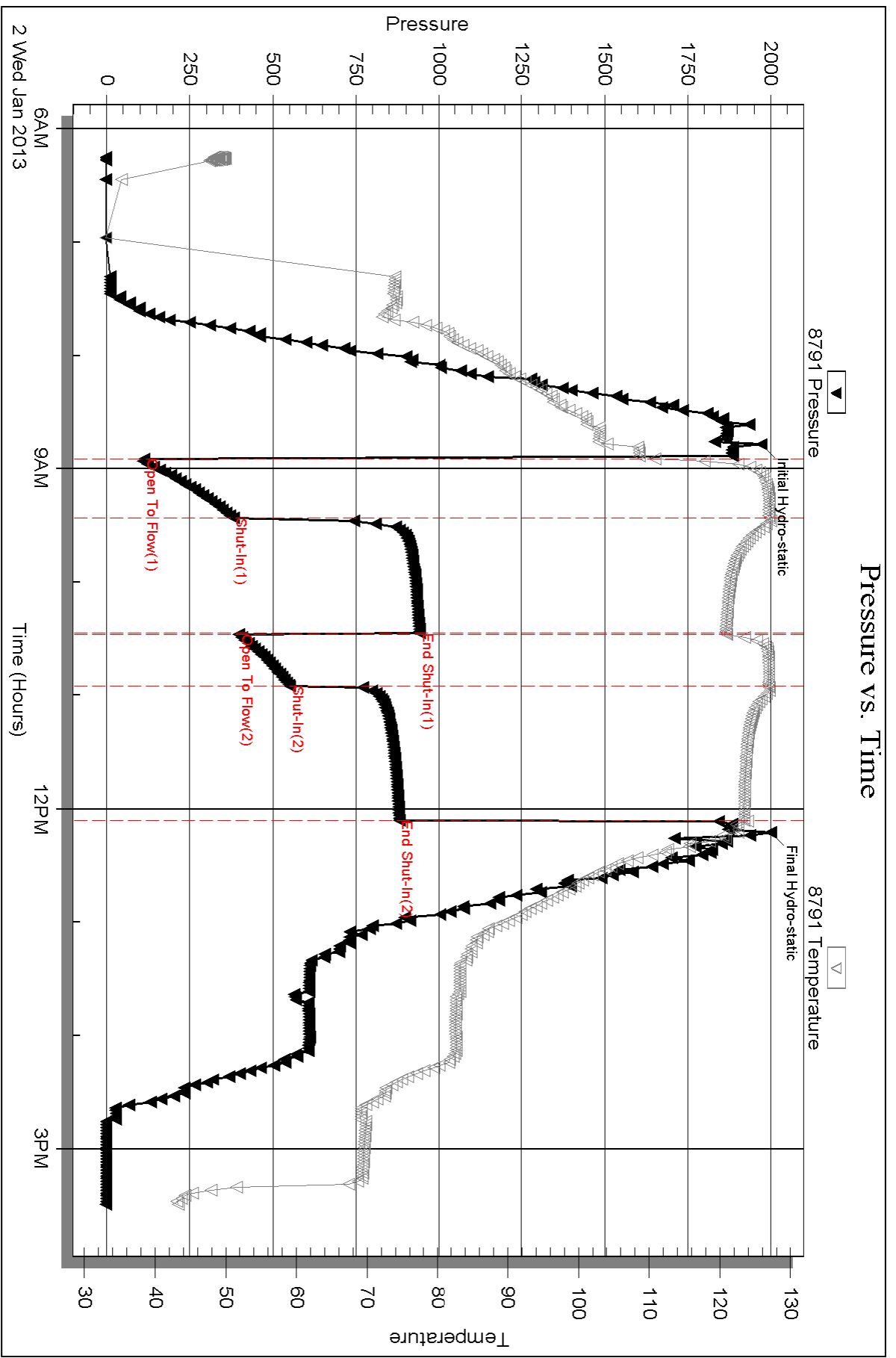
Serial #: 8791

Inside

Murfin Drilling Co.

Brown Farms #1-1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 48027

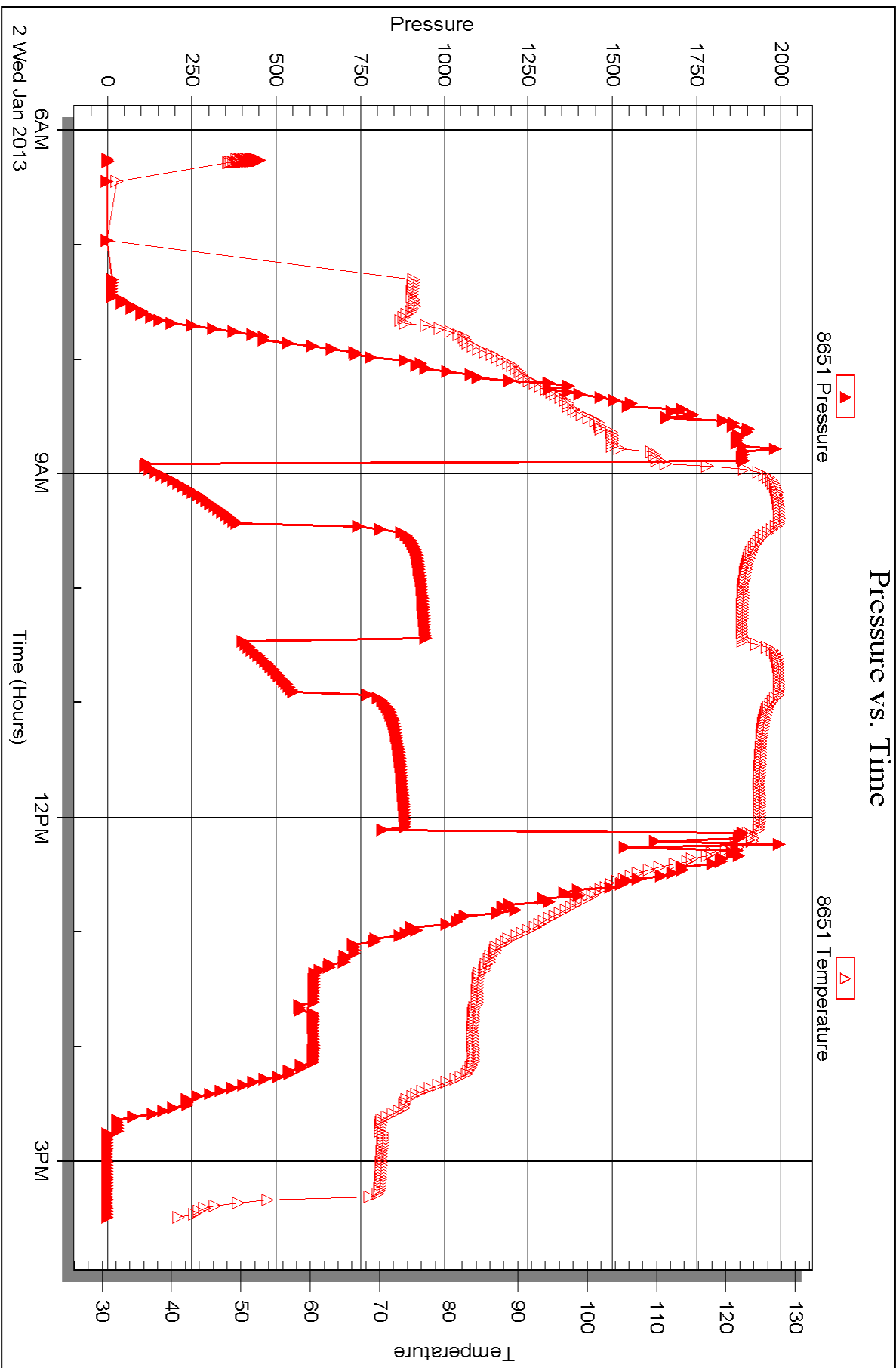
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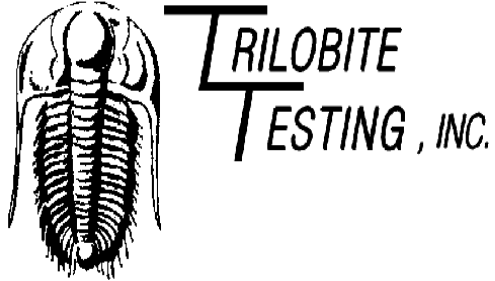
Serial #: 8651

Outside Murfin Drilling Co.

Brown Farms #1-1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water Ste. 300
Wichita KS 67202

ATTN: Rocky Milford

Brown Farms #1-1

1-5s-31w Rawlins,KS

Start Date: 2013.01.03 @ 02:35:00

End Date: 2013.01.03 @ 12:04:00

Job Ticket #: 48028 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.01.07 @ 13:10:10



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co.
 250 N. Water Ste. 300
 Wichita KS 67202
 ATTN: Rocky Milford

1-5s-31w Rawlins,KS
Brown Farms #1-1
 Job Ticket: 48028 **DST#: 3**
 Test Start: 2013.01.03 @ 02:35:00

GENERAL INFORMATION:

Formation: **LKC-H,I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:29:30
 Time Test Ended: 12:04:00
 Interval: **3986.00 ft (KB) To 4053.00 ft (KB) (TVD)**
 Total Depth: 4053.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Charles Kreutzer Jr.
 Unit No: 61
 Reference Elevations: 2852.00 ft (KB)
 2847.00 ft (CF)
 KB to GR/CF: 5.00 ft

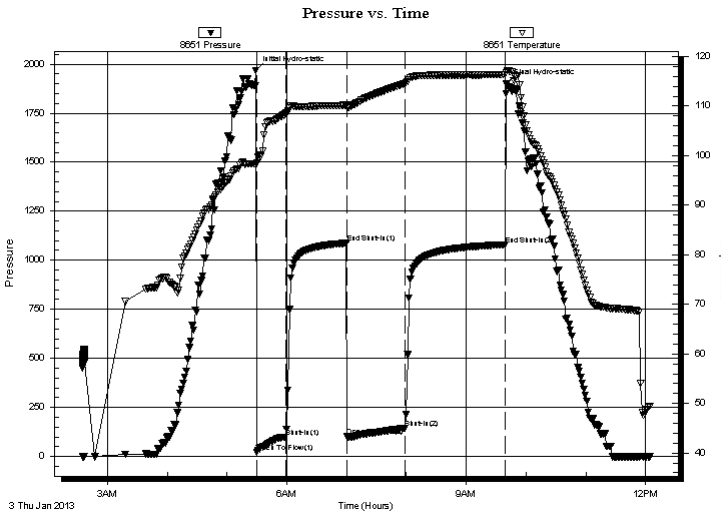
Serial #: 8651

Outside

Press @ RunDepth: 144.82 psig @ 3987.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.03 End Date: 2013.01.03 Last Calib.: 2013.01.03
 Start Time: 02:35:01 End Time: 12:04:00 Time On Btm: 2013.01.03 @ 05:28:30
 Time Off Btm: 2013.01.03 @ 09:40:30

TEST COMMENT: IF: Fair blow , Built to B.O.B in 12 mins.(30)
 IS: Blow back after 3 mins. Built to 3 in. over 60 mins.
 FF: Strong blow , Built to B.O.B in 4 mins.(60)
 FS: Blow back after 3mins. Built to 7 in. over 90 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1967.72	98.46	Initial Hydro-static
1	21.61	98.44	Open To Flow (1)
30	98.65	108.39	Shut-In(1)
92	1087.83	110.21	End Shut-In(1)
92	104.16	109.92	Open To Flow (2)
150	144.82	114.60	Shut-In(2)
250	1080.19	116.37	End Shut-In(2)
252	1899.01	116.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	gw com-20%g10%w 20%o50%m	1.78
93.00	go-20%g80%o	1.30
0.00	465ft. 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.

1-5s-31w Rawlins,KS

250 N. Water Ste. 300
Wichita KS 67202

Brown Farms #1-1

Job Ticket: 48028

DST#: 3

ATTN: Rocky Milford

Test Start: 2013.01.03 @ 02:35:00

Tool Information

Drill Pipe:	Length: 3790.00 ft	Diameter: 3.80 inches	Volume: 53.16 bbl	Tool Weight:	2400.00 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:	50000.00 lb
			<u>Total Volume: 54.07 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3986.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	67.00 ft				
Tool Length:	95.00 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			3963.00	
Hydraulic tool	5.00			3968.00	
Jars	5.00			3973.00	
Safety Joint	3.00			3976.00	
Packer	5.00			3981.00	28.00 Bottom Of Top Packer
Packer	5.00			3986.00	
Stubb	1.00			3987.00	
Recorder	0.00	8791	Inside	3987.00	
Recorder	0.00	8651	Outside	3987.00	
Perforations	2.00			3989.00	
change Over Sub	1.00			3990.00	
Drill Pipe	31.00			4021.00	
Change Over Sub	1.00			4022.00	
Perforations	28.00			4050.00	
Bullnose	3.00			4053.00	67.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

1-5s-31w Rawlins,KS

250 N. Water Ste. 300
Wichita KS 67202

Brown Farms #1-1

Job Ticket: 48028

DST#: 3

ATTN: Rocky Milford

Test Start: 2013.01.03 @ 02:35:00

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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	gw com-20%g10%w 20%o50%m	1.784
93.00	go-20%g80%o	1.305
0.00	465ft. gas in pipe	0.000

Total Length: 341.00 ft

Total Volume: 3.089 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

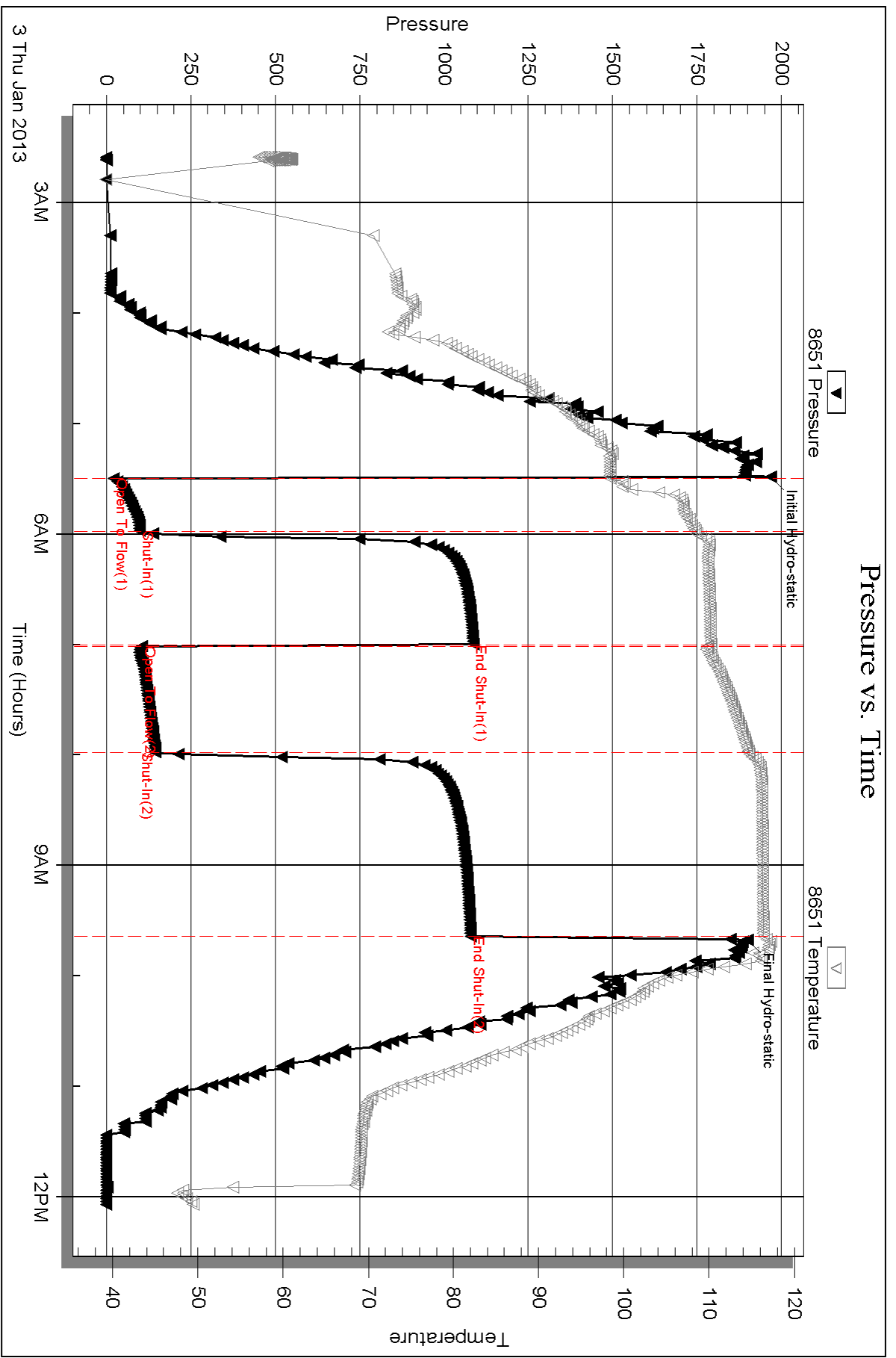
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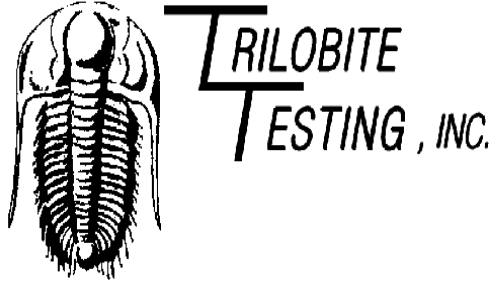
Serial #: 8651

Outside Murfin Drilling Co.

Brown Farms #1-1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water Ste. 300
Wichita KS 67202

ATTN: Rocky Milford

Brown Farms #1-1

1-5s-31w Rawlins,KS

Start Date: 2013.01.03 @ 22:05:00

End Date: 2013.01.04 @ 06:49:00

Job Ticket #: 48029 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.01.07 @ 13:09:05

Murfin Drilling Co.
1-5s-31w Rawlins,KS
Brown Farms #1-1
DST # 4
IKC-58
2013.01.03



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co.
 250 N. Water Ste. 300
 Wichita KS 67202
 ATTN: Rocky Milford

1-5s-31w Rawlins,KS
Brown Farms #1-1
 Job Ticket: 48029 **DST#: 4**
 Test Start: 2013.01.03 @ 22:05:00

GENERAL INFORMATION:

Formation: **lkc-58**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:32:00
 Time Test Ended: 06:49:00
 Interval: **4047.00 ft (KB) To 4105.00 ft (KB) (TVD)**
 Total Depth: 4105.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Charles Kreuzer Jr.
 Unit No: 61
 Reference Elevations: 2852.00 ft (KB)
 2847.00 ft (CF)
 KB to GR/CF: 5.00 ft

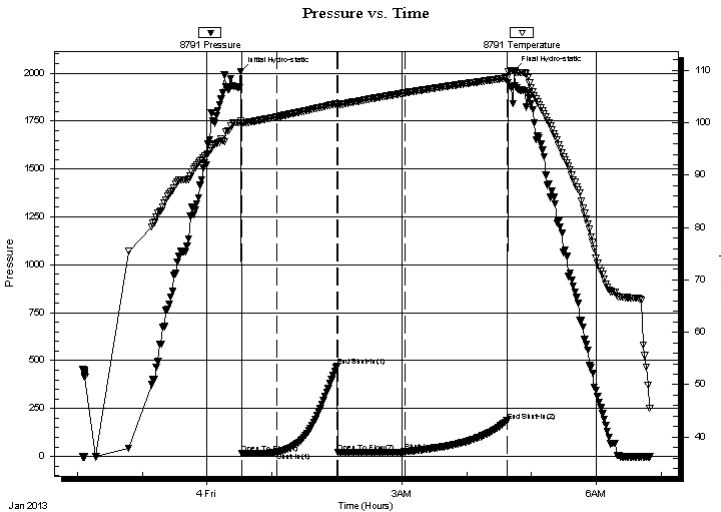
Serial #: 8791

Inside

Press @ Run Depth: 24.85 psig @ 4048.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.03 End Date: 2013.01.04 Last Calib.: 2013.01.04
 Start Time: 22:05:01 End Time: 06:49:00 Time On Btm: 2013.01.04 @ 00:31:00
 Time Off Btm: 2013.01.04 @ 04:44:00

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2007.87	100.29	Initial Hydro-static
1	16.53	100.00	Open To Flow (1)
33	21.20	101.11	Shut-In(1)
89	470.80	103.66	End Shut-In(1)
90	20.25	103.48	Open To Flow (2)
152	24.85	105.72	Shut-In(2)
246	186.08	108.56	End Shut-In(2)
253	2014.26	109.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	ocm-35%o65%m	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.

1-5s-31w Rawlins,KS

250 N. Water Ste. 300
Wichita KS 67202

Brown Farms #1-1

Job Ticket: 48029

DST#: 4

ATTN: Rocky Milford

Test Start: 2013.01.03 @ 22:05:00

Tool Information

Drill Pipe:	Length: 3851.00 ft	Diameter: 3.80 inches	Volume: 54.02 bbl	Tool Weight: 2400.00 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: 45000.00 lb
			<u>Total Volume: 54.93 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4047.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	86.00 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			4024.00	
Hydraulic tool	5.00			4029.00	
Jars	5.00			4034.00	
Safety Joint	3.00			4037.00	
Packer	5.00			4042.00	28.00 Bottom Of Top Packer
Packer	5.00			4047.00	
Stubb	1.00			4048.00	
Recorder	0.00	8791	Inside	4048.00	
Recorder	0.00	8651	Outside	4048.00	
Perforations	2.00			4050.00	
change Over Sub	1.00			4051.00	
Drill Pipe	32.00			4083.00	
Change Over Sub	1.00			4084.00	
Perforations	18.00			4102.00	
Bullnose	3.00			4105.00	58.00 Bottom Packers & Anchor

Total Tool Length: 86.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

1-5s-31w Rawlins,KS

250 N. Water Ste. 300
Wichita KS 67202

Brown Farms #1-1

Job Ticket: 48029

DST#: 4

ATTN: Rocky Milford

Test Start: 2013.01.03 @ 22:05:00

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	ocm-35%o65%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

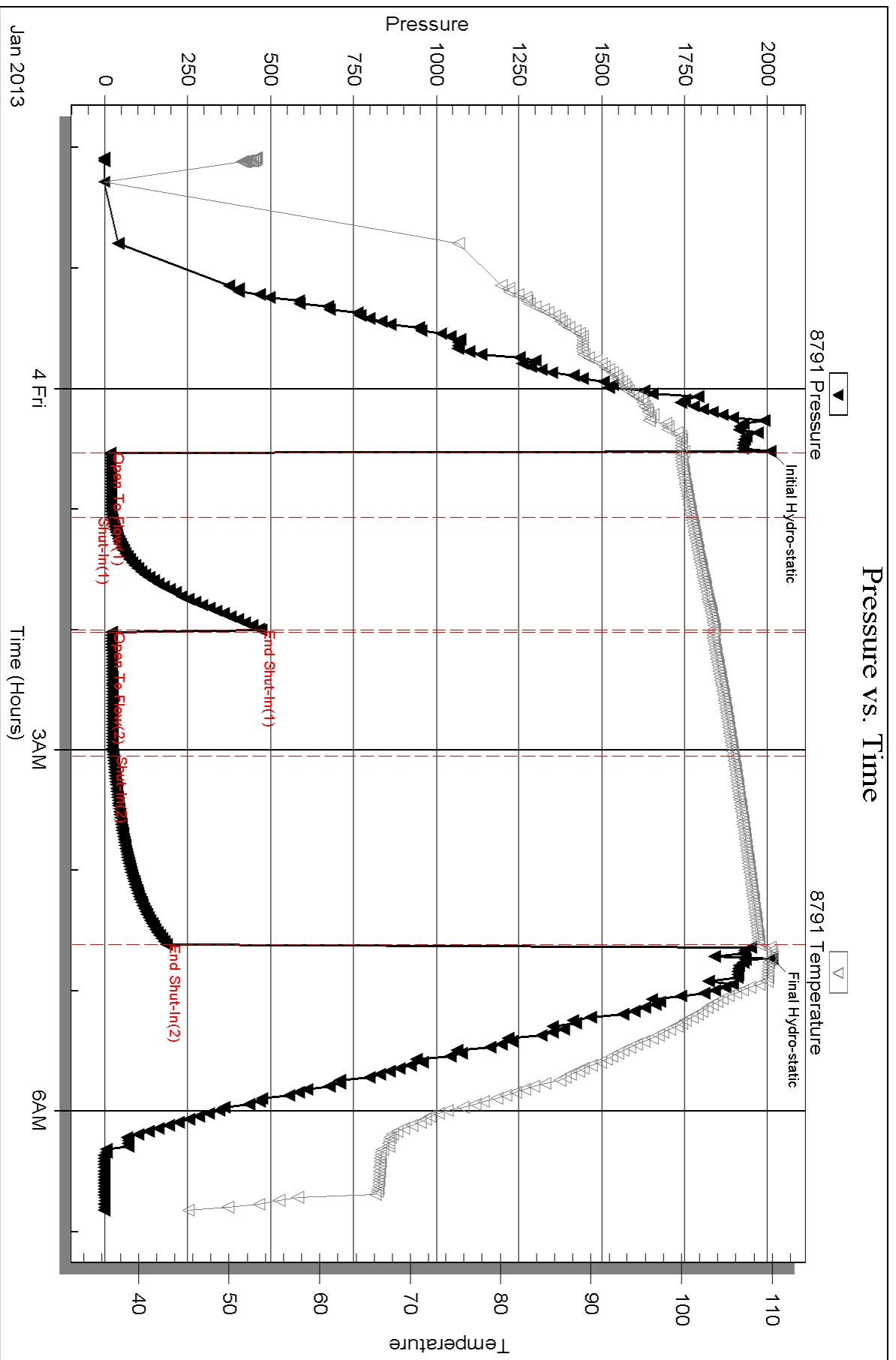
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

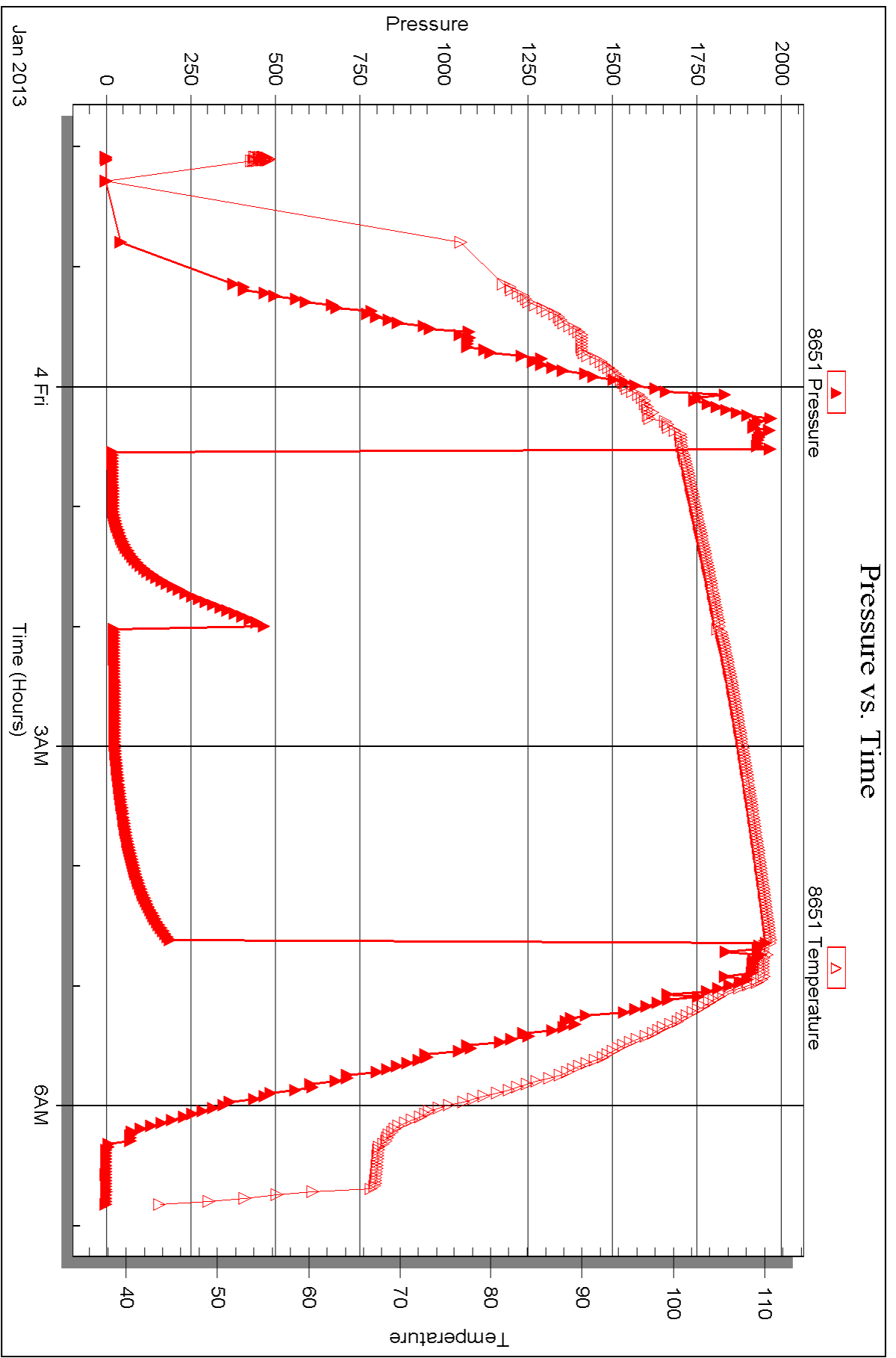


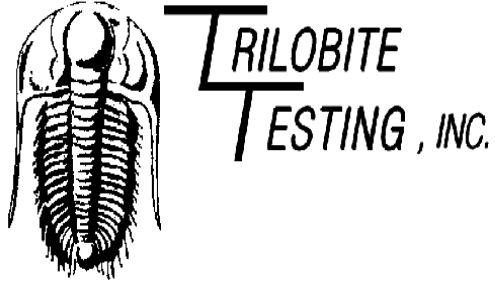
Serial #: 8651

Outside Murfin Drilling Co.

Brown Farms #1-1

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water Ste. 300
Wichita KS 67202

ATTN: Rocky Milford

Brown Farms #1-1

1-5s-31w Rawlins,KS

Start Date: 2013.01.04 @ 01:30:00

End Date: 2013.01.04 @ 09:06:30

Job Ticket #: 48030 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.01.07 @ 13:08:06

Murfin Drilling Co.

1-5s-31w Rawlins,KS

Brown Farms #1-1

DST # 5

Verdigris

2013.01.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co.
250 N. Water Ste. 300
Wichita KS 67202
ATTN: Rocky Milford

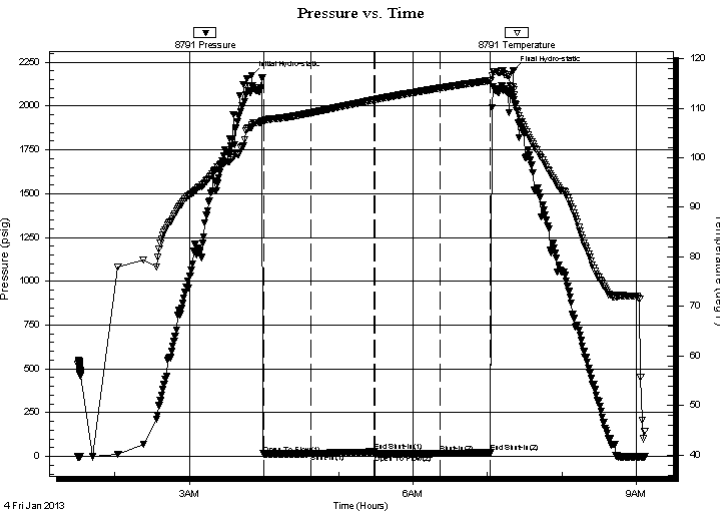
1-5s-31w Rawlins,KS
Brown Farms #1-1
Job Ticket: 48030 **DST#: 5**
Test Start: 2013.01.04 @ 01:30:00

GENERAL INFORMATION:

Formation: **Verdigris**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:59:30
Time Test Ended: 09:06:30
Interval: **4295.00 ft (KB) To 4326.00 ft (KB) (TVD)**
Total Depth: 4326.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Charles Kreutzer Jr.
Unit No: 61
Reference Elevations: 2852.00 ft (KB)
2847.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8791 Inside
Press @ RunDepth: 16.98 psig @ 4296.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.01.04 End Date: 2013.01.04 Last Calib.: 2013.01.05
Start Time: 01:30:01 End Time: 09:06:30 Time On Btm: 2013.01.04 @ 03:50:00
Time Off Btm: 2013.01.04 @ 07:21:00

TEST COMMENT: IF: Weak blow, Built to 1/2 in. overv 10 mins. Died in 20 mins.
IS: No blow back
FF: No blow
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2173.52	106.15	Initial Hydro-static
10	14.58	107.46	Open To Flow (1)
48	16.88	109.05	Shut-In(1)
99	26.67	111.67	End Shut-In(1)
100	14.54	111.72	Open To Flow (2)
152	16.98	114.03	Shut-In(2)
193	21.56	115.57	End Shut-In(2)
211	2204.03	113.76	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.

1-5s-31w Rawlins,KS

250 N. Water Ste. 300
Wichita KS 67202

Brown Farms #1-1

Job Ticket: 48030

DST#: 5

ATTN: Rocky Milford

Test Start: 2013.01.04 @ 01:30:00

Tool Information

Drill Pipe:	Length: 4099.00 ft	Diameter: 3.80 inches	Volume: 57.50 bbl	Tool Weight: 2400.00 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: 45000.00 lb
			<u>Total Volume: 58.41 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4295.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	59.00 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			4272.00	
Hydraulic tool	5.00			4277.00	
Jars	5.00			4282.00	
Safety Joint	3.00			4285.00	
Packer	5.00			4290.00	28.00 Bottom Of Top Packer
Packer	5.00			4295.00	
Stubb	1.00			4296.00	
Recorder	0.00	8791	Inside	4296.00	
Recorder	0.00	8651	Outside	4296.00	
Perforations	2.00			4298.00	
Perforations	25.00			4323.00	
Bullnose	3.00			4326.00	31.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

1-5s-31w Rawlins,KS

250 N. Water Ste. 300
Wichita KS 67202

Brown Farms #1-1

Job Ticket: 48030

DST#: 5

ATTN: Rocky Milford

Test Start: 2013.01.04 @ 01:30:00

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w ith 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 #: 8791

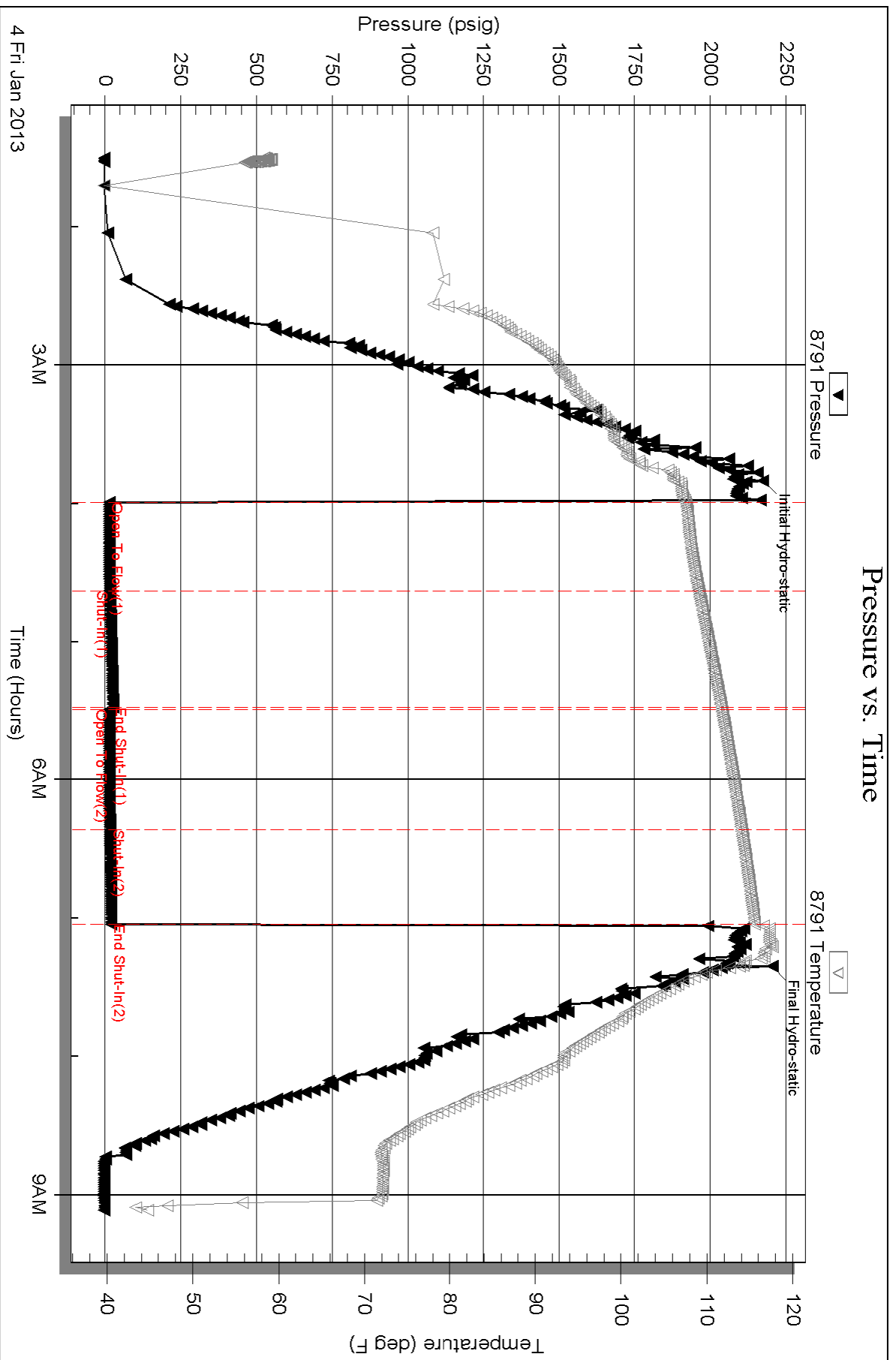
Inside

Murfin Drilling Co.

Brown Farms #1-1

DST Test Number: 5

Pressure vs. Time

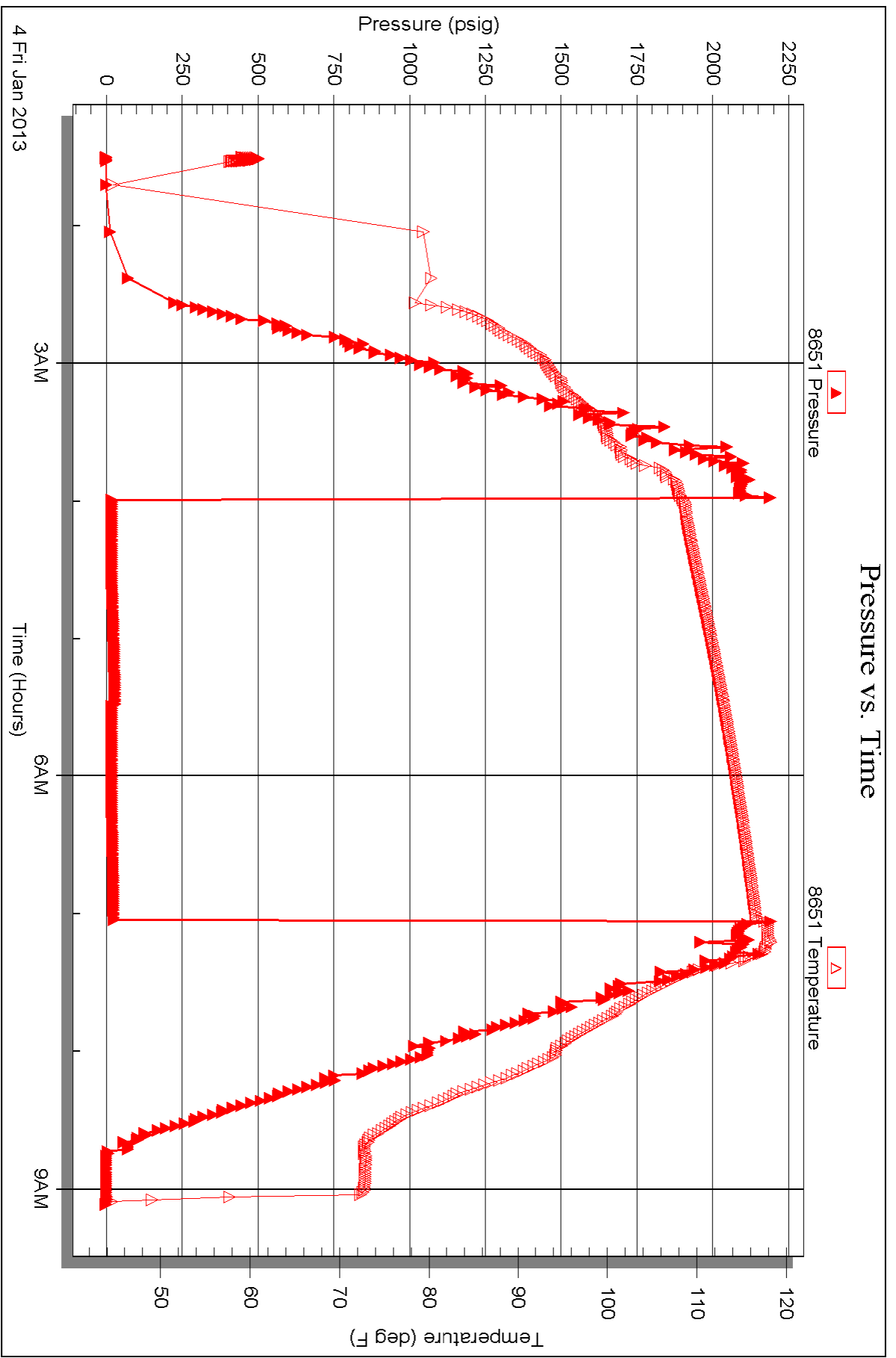


Serial #: 8651

Outside Murfin Drilling Co.

Brown Farms #1-1

DST Test Number: 5





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 043025

4/10

Well Name & No. Brown Farms #1-1 Test No. 1 Date 01-01-2013
 Company Mur Fin Drilling Co. Elevation 2852 KB 2847 GL
 Address 250 N. water ste. 300 wichita ks. 67202
 Co. Rep / Geo. Rocky milford Rig MurFin #8
 Location: Sec. 1 Twp. 5S Rge. 31W Co. _____ State Ks.

Interval Tested 3837 3922 Zone Tested Toronto - LKC B
 Anchor Length _____ 85 Drill Pipe Run 3631 Mud Wt. 9.0
 Top Packer Depth _____ 3832 Drill Collars Run 186 Vis 67
 Bottom Packer Depth _____ 3837 Wt. Pipe Run -0- WL 5.2
 Total Depth _____ 3922 Chlorides 900 ppm System LCM 5#

Blow Description IF: Flow blow, Built to B.O.B in 15 mins.
ISJ: No blow back over 60 mins.
FF: Fair blow, Built to B.O.B in 18 mins.
FST: Blow back after 5 mins. Built to 3in over 90 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>107</u>	<u>MCO</u>		<u>70%</u>		<u>30%</u>
<u>124</u>	<u>OCWM</u>		<u>30%</u>	<u>20%</u>	<u>50%</u>
<u>124</u>	<u>OCMW</u>		<u>15%</u>	<u>35%</u>	<u>30%</u>
<u>186</u>	<u>OSMW</u>		<u>1%</u>	<u>70%</u>	<u>19%</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 541 BHT 222/111 Gravity _____ API RW 1. @ 32 °F Chlorides 15,000 ppm

(A) Initial Hydrostatic <u>1884</u> 2498	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>10:30</u>
(B) First Initial Flow <u>28</u> 10	<input checked="" type="checkbox"/> Jars 250	T-Started <u>12:30</u> 12:30
(C) First Final Flow <u>152</u> 200	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>1432</u> 1432
(D) Initial Shut-In <u>1250</u> 1250	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>18:35</u>
(E) Second Initial Flow <u>153</u> 201	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2105</u>
(F) Second Final Flow <u>265</u> 266	<input checked="" type="checkbox"/> Mileage <u>25x2=50x1.55</u> 77.50	Comments _____
(G) Final Shut-In <u>1233</u> 1250	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1819</u> 2112	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open _____ <u>30</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>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1552.50</u>
Final Shut-In _____ <u>90</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1552.50</u>	

Approved By _____ Our Representative Chuck Rogers

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

Test Ticket

NO. 48027

Well Name & No. Brown Farms #1-1 Test No. 2 Date 1-2-2013
 Company MurFin Drilling Co. Elevation 2852 KB 2847 GL
 Address 250 N. Water Ste. 300 Wichita Ks. 67202
 Co. Rep / Geo. Rocky Milford Rig MurFin #8
 Location: Sec. 1 Twp. 5S Rge. 31W Co. Rawlins State Ks.

Interval Tested 3938 3964 Zone Tested LKC-F
 Anchor Length 26 Drill Pipe Run 3754 Mud Wt. 9.0
 Top Packer Depth 3933 Drill Collars Run 186 Vis 67
 Bottom Packer Depth 3938 Wt. Pipe Run 0 WL 5.2
 Total Depth 3964 Chlorides 900 ppm System LCM S#
 Blow Description IF: Strong blow, Built to B.O.B in 1min. (30)
ISI: Blow back after 1min. Built to B.O.B in 30mins (60)
FF: Strong blow, Built to B.O.B in 1min. (30)
FST: Blow back after 15min. Built to Built to B.O.B in 10 mins.

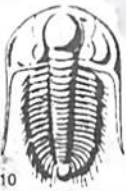
Rec	Feet of	%gas	%oil	%water	%mud
<u>496</u>	<u>go</u>	<u>40</u>	<u>60</u>		
<u>620</u>	<u>go</u>	<u>30</u>	<u>70</u>		
<u>186</u>	<u>mco</u>		<u>60</u>		<u>40</u>
<u>0</u>	<u>1300 ft + gas in pipe</u>				

Rec Total 1302 BHT 124 Gravity 33 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1972</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>5:50</u>
(B) First Initial Flow <u>114</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>6:15</u>
(C) First Final Flow <u>382</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>8:45</u>
(D) Initial Shut-In <u>942</u>	<input checked="" type="checkbox"/> Circ Sub 50 <u>75</u>	T-Pulled <u>11:55</u>
(E) Second Initial Flow <u>398</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>15:30</u>
(F) Second Final Flow <u>550</u>	<input checked="" type="checkbox"/> Mileage <u>25 x 2 = 50 x 1.55 = 77.50</u>	Comments _____
(G) Final Shut-In <u>880</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>1999</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Total <u>1602.50</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1602.50</u>	

Approved By _____ Our Representative Chuck Nye

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.



TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48028

Well Name & No. Brown Farms #1-1 Test No. 3 Date 1-3-2012
 Company Murfin Drilling Co. Elevation 2852 KB 2847 GL
 Address 250 N. Water St. 300 Wichita Ks. 67202
 Co. Rep / Geo. Rocky Milford Rig Murfin #8
 Location: Sec. 1 Twp. 5S Rge. 3W Co. Rawlins State Ks.

Interval Tested 3986 4053 Zone Tested LKC - H, J
 Anchor Length 67 Drill Pipe Run 3790 Mud Wt. 9.6
 Top Packer Depth 3981 Drill Collars Run 186 Vis 6.1
 Bottom Packer Depth 3986 Wt. Pipe Run - 0 - WL 6.0
 Total Depth 4053 Chlorides 2000 ppm System LCM 5#

Blow Description IF: Fair blow, Built to B.O.B in 12 mins
IST: Blow back after 3 mins. Built to 3 in. over 60 mins.
FF: Strong blow, Built to B.O.B in 4 mins.
FSI: Blow back built to 7 in. over 90 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>93</u>	<u>90</u>	<u>20</u>	<u>80</u>		
<u>248</u>	<u>gwc om</u>	<u>20</u>	<u>20</u>	<u>10</u>	<u>60</u>
<u>0</u>	<u>465 ft. gas in pipe</u>				

Rec Total 341 BHT 124 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1968 Test 1250 T-On Location 1:50
 (B) First Initial Flow 22 Jars 250 T-Started 2:35
 (C) First Final Flow 99 Safety Joint 75 T-Open 5:29
 (D) Initial Shut-In 1088 Circ Sub _____ T-Pulled 9:30
 (E) Second Initial Flow 104 Hourly Standby _____ T-Out 12:04
 (F) Second Final Flow 145 Mileage 25 x 2 = 50 x 1.55 = 77.50 Comments _____
 (G) Final Shut-In 1080 Sampler _____
 (H) Final Hydrostatic 1899 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 60 Day Standby _____ Total 1652.50
 Final Flow 60 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1652.50

Approved By _____ Our Representative Chad Kary
 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

Test Ticket

NO. 48029

Well Name & No. Brown Farms Test No. 4 Date 1-4-2012
 Company Murfin Drilling Elevation 2852 KB 2847 GL
 Address 250 N. Water Ste. 300 Wichita Ks. 67202
 Co. Rep / Geo. Rocky Milford Rig Murfin #8
 Location: Sec. 1 Twp. 5S Rge. 31W Co. Rawlins State Ks.

Interval Tested 4047 4105 Zone Tested LKC - K&L
 Anchor Length 58 Drill Pipe Run 3851 Mud Wt. 8.9
 Top Packer Depth 4042 Drill Collars Run 186 Vis 47
 Bottom Packer Depth 4047 Wt. Pipe Run -0- WL 5.2
 Total Depth 4105 Chlorides 2000 ppm System LCM 5#

Blow Description IF: Weak blow, Built to 1 in over 30 mins
ISI: No blow back
FF: Weak blow, Built to 1/2 in over 60 mins
FST: No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OCM</u>		<u>35</u>		<u>65</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 108' Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2008</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>21:50</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>22:08</u>
(C) First Final Flow <u>21</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00:32</u>
(D) Initial Shut-In <u>471</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>4:30</u>
(E) Second Initial Flow <u>20</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>6:44</u>
(F) Second Final Flow <u>25</u>	<input checked="" type="checkbox"/> Mileage <u>25 x 2 = 50 x 1.55 = 77.50</u>	Comments _____
(G) Final Shut-In <u>186</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2014</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1652.50</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1652.50</u>	

Approved By _____ Our Representative Chad Nyson

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48030

Well Name & No. Brown Farms Test No. 5 Date 1-5-2013
 Company Murphy Drilling Co. Elevation 2852 KB 2847 GL
 Address 250. N. water ste 300 mitelita Ks. 67208
 Co. Rep / Geo. Rocky Milford Rig Murphy #8
 Location: Sec. 1 Twp. SS Rge. 31W Co. Rawlins State Ks

Interval Tested 4295 4326 Zone Tested Verdigris
 Anchor Length 31 Drill Pipe Run 4099 Mud Wt. 8.9
 Top Packer Depth 4290 Drill Collars Run 186 Vis 47
 Bottom Packer Depth 4295 Wt. Pipe Run 0 WL 5.2
 Total Depth 4326 Chlorides 2000 ppm System LCM 5#

Blow Description IF: weak blow, built to vain over 10 mins. dead in 20 mins.
IS: no blow back

FF: No blow

FS: No blow back

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

Rec Total 5 BHT 115 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2174</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>00:21</u>
(B) First Initial Flow <u>15</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>1:30</u>
(C) First Final Flow <u>17</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>3:59</u>
(D) Initial Shut-In <u>27</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>7:00</u>
(E) Second Initial Flow <u>15</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>9:06</u>
(F) Second Final Flow <u>17</u>	<input checked="" type="checkbox"/> Mileage <u>25 x 2 = 50 x .55</u> 77.50	Comments _____
(G) Final Shut-In <u>22</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2204</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</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>30</u>	<input type="checkbox"/> Day Standby	Total <u>1652.50</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1652.50</u>	

Approved By _____ Our Representative Chuck [Signature]

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