

KCC

MAY 04 2005

CONFIDENTIAL

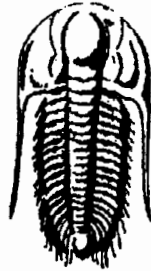
ORIGINAL

CONFIDENTIAL

RECEIVED

MAY - 5 2005

KCC WICHITA



TRILOBITE
TESTING, INC.

Murfin Drilling Company Inc.

Sayles 2-13

13-3s-27w

DST # 1

Oread

2005.03.07

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N. Water, suite 300
Wichita, ks 67202

ATTN: Paul Gunzelman

13-3s-27w

Sayles 2-13

Start Date: 2005.03.07 @ 09:33:07

End Date: 2005.03.07 @ 16:35:57

Job Ticket #: 20511 DST #: 1

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 Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20511

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2005.03.07 @ 09:33:07

GENERAL INFORMATION:

Formation: Oread

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:00:42

Time Test Ended: 16:35:57

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 18

Interval: 3532.00 ft (KB) To 3566.00 ft (KB) (TVD)

Reference Elevations: 2670.00 ft (KB)

Total Depth: 3566.00 ft (KB) (TVD)

2665.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 76.66 psig @ 3567.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.03.07

End Date:

2005.03.07

Last Calib.: 1899.12.30

Start Time: 09:33:07

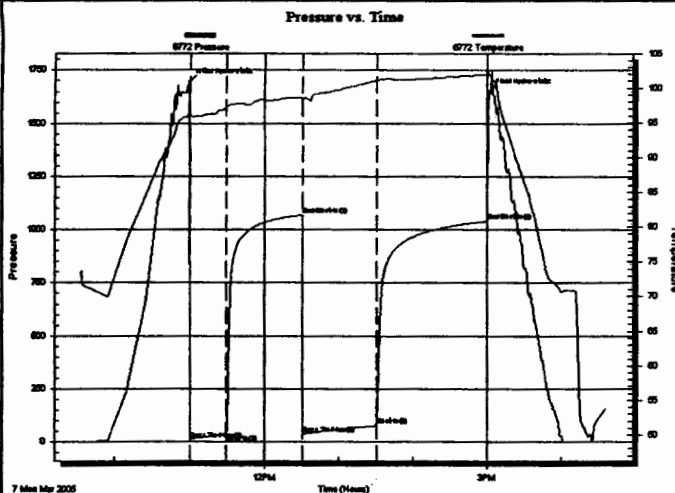
End Time:

16:35:57

Time On Btm: 2005.03.07 @ 10:59:42

Time Off Btm: 2005.03.07 @ 15:01:42

TEST COMMENT: F: Surface blow built to 2 1/4 in 30 min.
IS: No return.
FF: Weak surface blow built to 2 1/2 in 60 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1693.59	96.27	Initial Hydro-static
1	12.31	96.23	Open To Flow (1)
30	36.22	97.36	Shut-In(1)
91	1069.84	98.59	End Shut-In(1)
92	37.91	98.36	Open To Flow (2)
151	76.66	101.04	Shut-In(2)
241	1040.92	101.97	End Shut-In(2)
242	1648.16	101.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm 40%w 60%m	0.30
65.00	mud 100%m	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20511

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2005.03.07 @ 09:33:07

Tool Information

Drill Pipe:	Length: 3120.00 ft	Diameter: 3.80 inches	Volume: 43.77 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 431.00 ft	Diameter: 2.25 inches	Volume: 2.12 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 45.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3566.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3545.00	
Shut In Tool	5.00			3550.00	
Hydraulic tool	5.00			3555.00	
Safety Joint	2.00			3557.00	
Packer	5.00		Fluid	3562.00	22.00 Bottom Of Top Packer
Packer	4.00			3566.00	
Stubb	1.00			3567.00	
Recorder	0.00	6772	Inside	3567.00	
Perforations	28.00			3595.00	
Recorder	0.00	10248	Outside	3595.00	
Bullnose	5.00			3600.00	34.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.
250 N. Water, suite 300
Wichita, ks 67202
ATTN: Paul Gunzelman

Sayles 2-13
13-3s-27w
Job Ticket: 20511 **DST#: 1**
Test Start: 2005.03.07 @ 09:33:07

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	15000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.75 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: 2.00 inches			

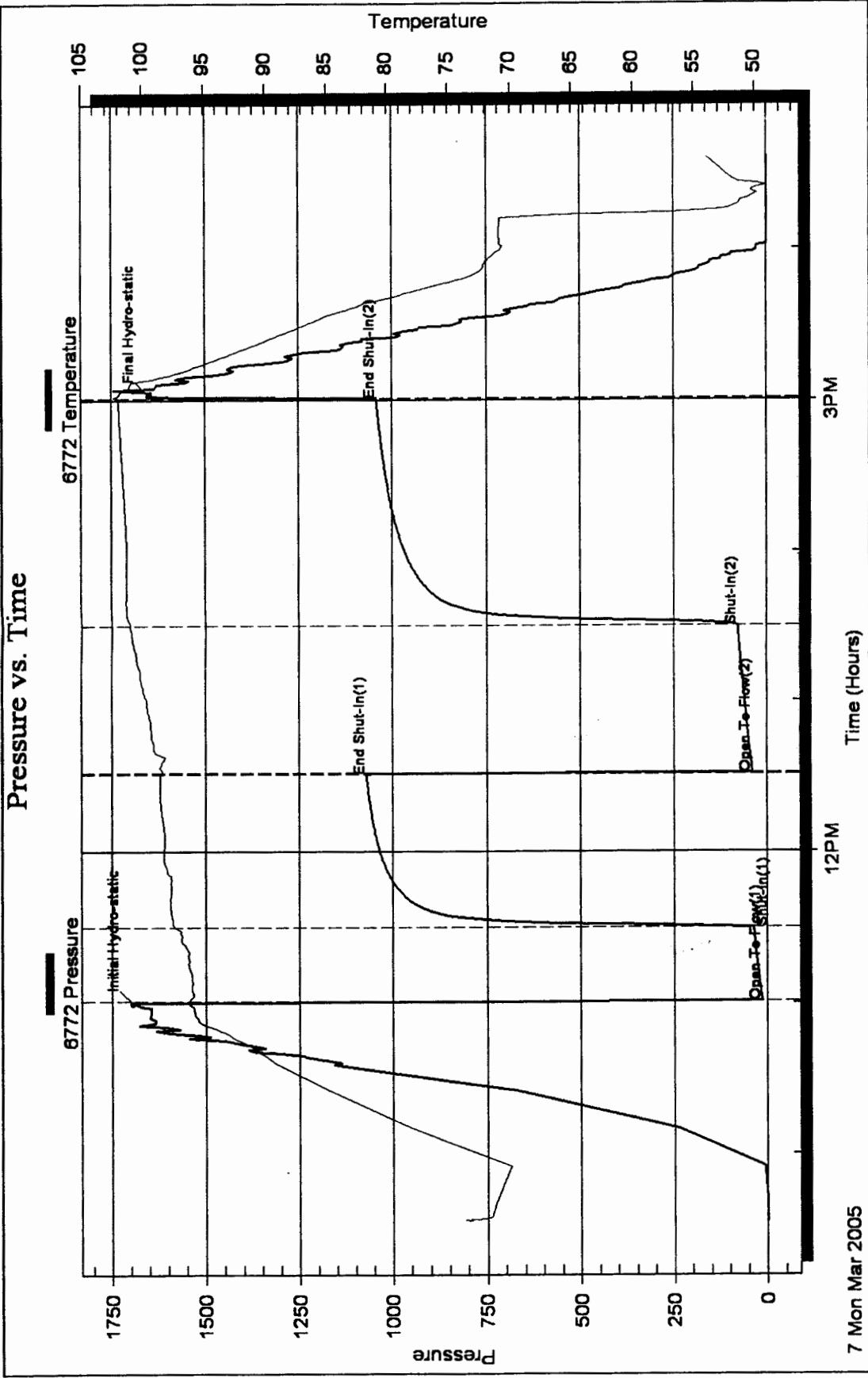
Recovery Information

Recovery Table

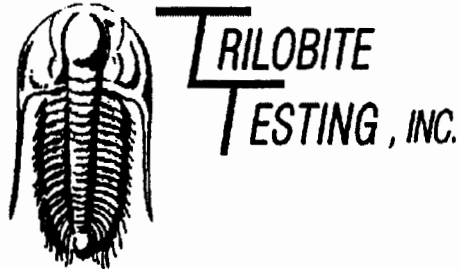
Length ft	Description	Volume bbl
60.00	w cm 40%w 60%m	0.295
65.00	mud 100%m	0.320

Total Length: 125.00 ft Total Volume: 0.615 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



7 Mon Mar 2005



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N. Water, suite 300
Wichita, ks 67202

ATTN: Paul Gunzelman

13-3s-27w

Sayles 2-13

Start Date: 2005.03.07 @ 09:33:07

End Date: 2005.03.07 @ 16:35:57

Job Ticket #: 20511 DST #: 1

Murfin Drilling Company Inc.

Sayles 2-13

13-3s-27w

DST # 1

Oread

2005.03.07

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 Company Inc.

250 N. Water, suite 300
Wichita, ks 67202

ATTN: Paul Gunzelman

Sayles 2-13

13-3s-27w

Job Ticket: 20511

DST#: 1

Test Start: 2005.03.07 @ 09:33:07

GENERAL INFORMATION:

Formation: Oread

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:00:42

Time Test Ended: 16:35:57

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 18

Interval: 3532.00 ft (KB) To 3566.00 ft (KB) (TVD)

Total Depth: 3566.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2670.00 ft (KB)

2665.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 76.66 psig @ 3567.00 ft (KB)

Start Date: 2005.03.07

End Date:

2005.03.07

Start Time: 09:33:07

End Time:

16:35:57

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2005.03.07 @ 10:59:42

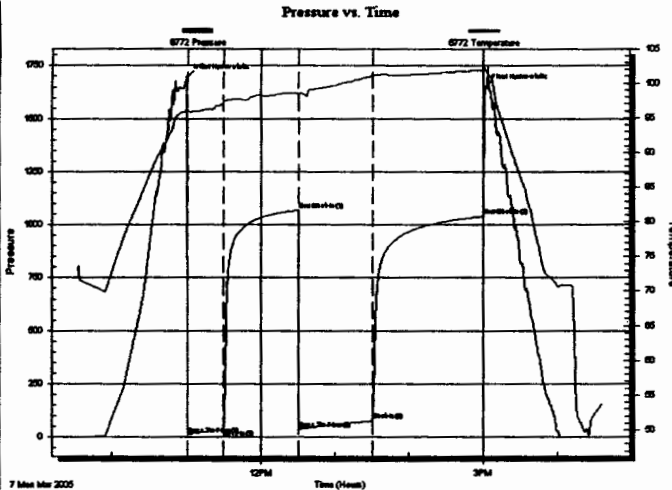
Time Off Btm: 2005.03.07 @ 15:01:42

TEST COMMENT: F: Surface blow built to 2 1/4 in 30 min.

IS: No return.

FF: Weak surface blow built to 2 1/2 in 60 min.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1693.59	96.27	Initial Hydro-static
1	12.31	96.23	Open To Flow (1)
30	36.22	97.36	Shut-in(1)
91	1069.84	98.59	End Shut-in(1)
92	37.91	98.36	Open To Flow (2)
151	76.66	101.04	Shut-in(2)
241	1040.92	101.97	End Shut-in(2)
242	1648.16	101.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm 40%w 60%m	0.30
65.00	mud 100%m	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20511

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2005.03.07 @ 09:33:07

Tool Information

Drill Pipe:	Length: 3120.00 ft	Diameter: 3.80 inches	Volume: 43.77 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 431.00 ft	Diameter: 2.25 inches	Volume: 2.12 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 45.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3566.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3545.00	
Shut In Tool	5.00			3550.00	
Hydraulic tool	5.00			3555.00	
Safety Joint	2.00			3557.00	
Packer	5.00		Fluid	3562.00	22.00 Bottom Of Top Packer
Packer	4.00			3566.00	
Stubb	1.00			3567.00	
Recorder	0.00	6772	Inside	3567.00	
Perforations	28.00			3595.00	
Recorder	0.00	10248	Outside	3595.00	
Bullnose	5.00			3600.00	34.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20511

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2005.03.07 @ 09:33:07

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

15000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.75 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	w cm 40%w 60%m	0.295
65.00	mud 100%m	0.320

Total Length: 125.00 ft Total Volume: 0.615 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

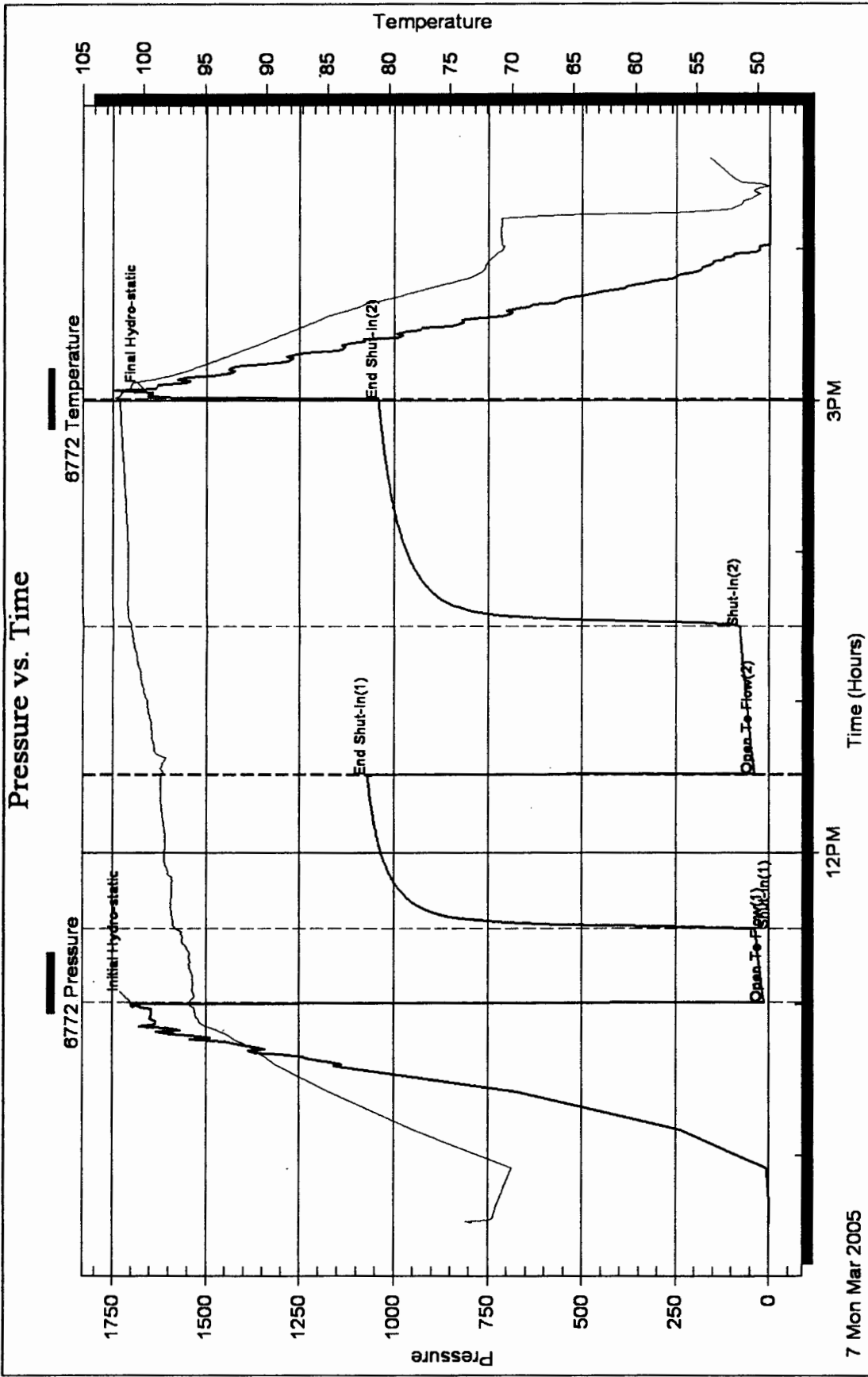
Serial #:

Laboratory Name:

Laboratory Location:

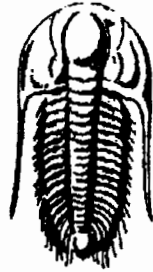
Recovery Comments:

Pressure vs. Time



7 Mon Mar 2005

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N. Water, suite 300
Wichita, ks 67202

ATTN: Paul Gunzelman

13-3s-27w

Sayles 2-13

Start Date: 2005.03.07 @ 23:36:17

End Date: 2005.03.08 @ 05:52:52

Job Ticket #: 20512 DST #: 2

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

Murfin Drilling Company Inc.

Sayles 2-13

13-3s-27w

DST # 2

Toronto & Lansing -

2005.03.07



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

250 N. Water, suite 300
Wichita, ks 67202

ATTN: Paul Gunzelman

Sayles 2-13

13-3s-27w

Job Ticket: 20512

DST#: 2

Test Start: 2005.03.07 @ 23:36:17

GENERAL INFORMATION:

Formation: Toronto & Lansing -

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:21:07

Time Test Ended: 05:52:52

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 18

Interval: 3566.00 ft (KB) To 3624.00 ft (KB) (TVD)

Total Depth: 3624.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2670.00 ft (KB)

2665.00 ft (CF)

KB to GRVCF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 17.96 psig @ 3625.00 ft (KB)

Start Date: 2005.03.07

End Date:

2005.03.08

Start Time: 23:36:17

End Time:

05:52:52

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btmr: 2005.03.08 @ 01:20:07

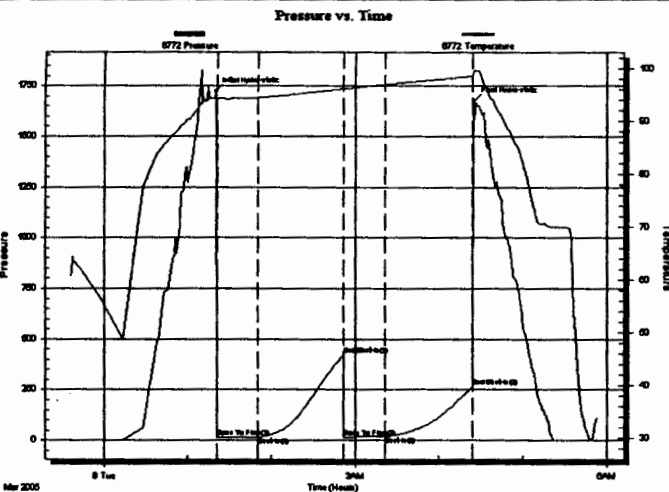
Time Off Btmr: 2005.03.08 @ 04:25:22

TEST COMMENT: F: Weak surface blow built to 1/4 died in 22 min.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1723.07	94.49	Initial Hydro-static
1	13.19	94.10	Open To Flow (1)
31	15.30	94.51	Shut-in(1)
92	420.91	96.18	End Shut-in(1)
92	16.28	96.10	Open To Flow (2)
122	17.96	97.00	Shut-in(2)
185	267.69	98.62	End Shut-in(2)
186	1675.43	99.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud some oil spots 100% m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20512

DST#: 2

ATTN: Paul Gunzelman

Test Start: 2005.03.07 @ 23:36:17

Tool Information

Drill Pipe:	Length: 3206.00 ft	Diameter: 3.80 inches	Volume: 44.97 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 431.00 ft	Diameter: 2.25 inches	Volume: 2.12 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 47.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3624.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3603.00	
Shut In Tool	5.00			3608.00	
Hydraulic tool	5.00			3613.00	
Safety Joint	2.00			3615.00	
Packer	5.00		Fluid	3620.00	22.00 Bottom Of Top Packer
Packer	4.00			3624.00	
Stubb	1.00			3625.00	
Recorder	0.00	6772	Inside	3625.00	
Perforations	19.00			3644.00	
Change Over Sub	1.00			3645.00	
Drill Pipe	31.00			3676.00	
Change Over Sub	1.00			3677.00	
Recorder	0.00	10248	Outside	3677.00	
Bullnose	5.00			3682.00	58.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20512

DST#: 2

ATTN: Paul Gunzelman

Test Start: 2005.03.07 @ 23:36:17

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.75 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

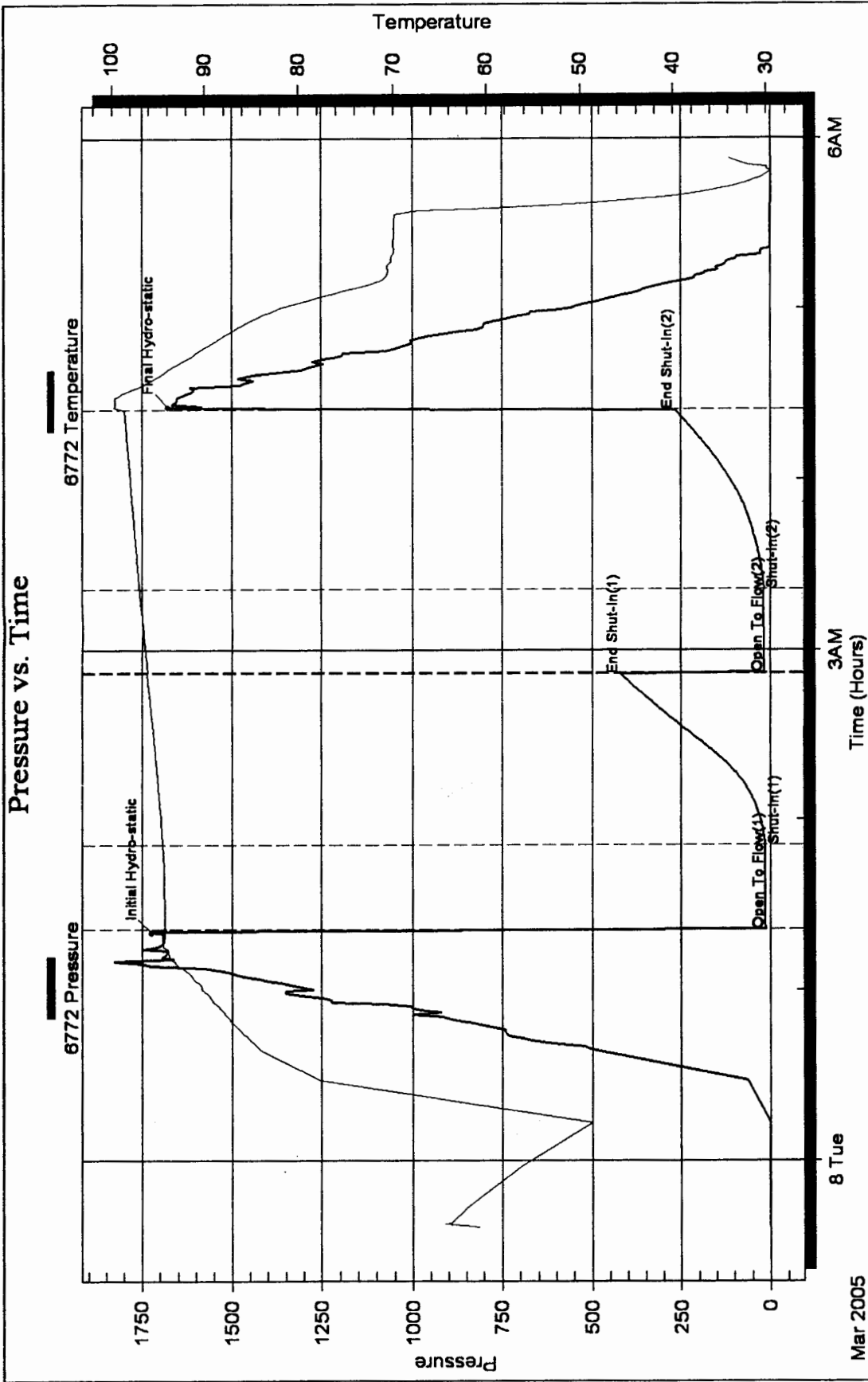
Length ft	Description	Volume bbf
5.00	mud some oil spots 100%rn	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbf

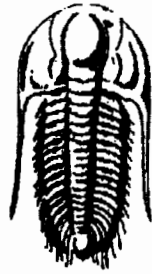
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N. Water, suite 300
Wichita, ks 67202

ATTN: Paul Gunzelman

13-3s-27w

Sayles 2-13

Start Date: 2005.03.08 @ 11:48:19

End Date: 2005.03.08 @ 19:23:09

Job Ticket #: 20513 DST #: 3

Murfin Drilling Company Inc.

Sayles 2-13

13-3s-27w

DST # 3

Pollnow

2005.03.08

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 Company Inc.

250 N. Water, suite 300
Wichita, ks 67202

ATTN: Paul Gunzelman

Sayles 2-13

13-3s-27w

Job Ticket: 20513

DST#: 3

Test Start: 2005.03.08 @ 11:48:19

GENERAL INFORMATION:

Formation: **Pollnow**

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

Time Tool Opened: 13:41:24

Time Test Ended: 19:23:09

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **18**

Interval: **3624.00 ft (KB) To 3642.00 ft (KB) (TVD)**

Total Depth: **3642.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2670.00 ft (KB)**

2665.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6772 **Inside**

Press@RunDepth: **113.17 psig @ 3643.00 ft (KB)**

Start Date: **2005.03.08**

End Date: **2005.03.08**

Start Time: **11:48:19**

End Time: **19:23:09**

Capacity: **7000.00 psig**

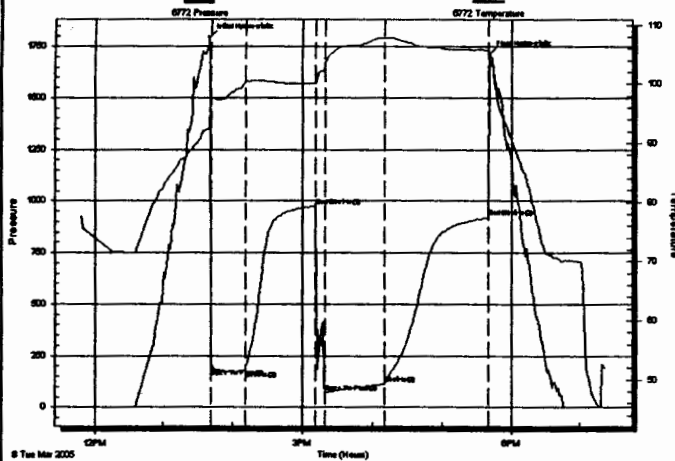
Last Calib.: **1899.12.30**

Time On Btm: **2005.03.08 @ 13:39:39**

Time Off Btm: **2005.03.08 @ 17:41:24**

TEST COMMENT: IF: 1/4 blow BOB in 27 min.
IS: Surface blow built to 1 1/2 in 60 min.
FF: 1/4 blow BOB in 20 min.
FS: Surface blow built to 4 in 90 min.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1793.29	92.71	Initial Hydro-static
2	146.15	97.36	Open To Flow (1)
32	178.62	100.20	Shut-In(1)
92	975.37	100.11	End Shut-In(1)
100	71.70	103.10	Open To Flow (2)
152	113.17	107.77	Shut-In(2)
241	920.69	105.76	End Shut-In(2)
242	1714.80	103.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	ocm 20%o 80% m	0.30
240.00	gco 10%g 90% o	1.18

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20513

DST#: 3

ATTN: Paul Gunzelman

Test Start: 2005.03.08 @ 11:48:19

Tool Information

Drill Pipe:	Length: 3196.00 ft	Diameter: 3.80 inches	Volume: 44.83 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 431.00 ft	Diameter: 2.25 inches	Volume: 2.12 bbl	Weight to Pull Loose: 69000.00 lb
			<u>Total Volume: 46.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3642.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3621.00	
Shut In Tool	5.00			3626.00	
Hydraulic tool	5.00			3631.00	
Safety Joint	2.00			3633.00	
Packer	5.00		Fluid	3638.00	22.00 Bottom Of Top Packer
Packer	4.00			3642.00	
Stubb	1.00			3643.00	
Recorder	0.00	6772	Inside	3643.00	
Perforations	12.00			3655.00	
Recorder	0.00	10248	Outside	3655.00	
Bullnose	5.00			3660.00	18.00 Bottom Packers & Anchor

Total Tool Length: 40.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20513

DST#: 3

ATTN: Paul Gunzelman

Test Start: 2005.03.08 @ 11:48:19

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 6.37 in³

Resistivity: 0.00 ohm.m

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

36 deg API

Water Salinity:

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	ocm 20%o 80% <i>m</i>	0.295
240.00	gco 10%g 90% <i>o</i>	1.180

Total Length: 300.00 ft Total Volume: 1.475 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

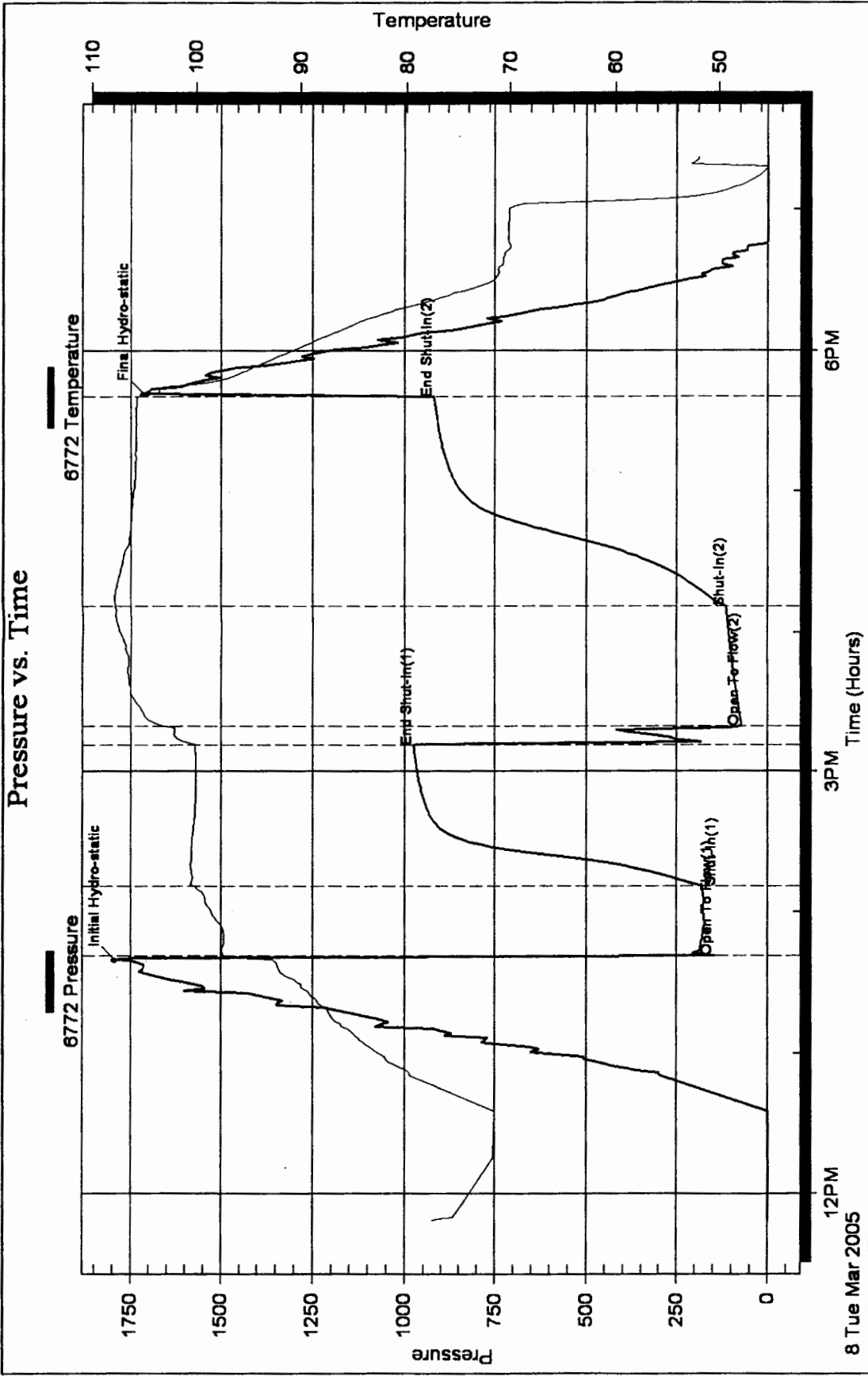
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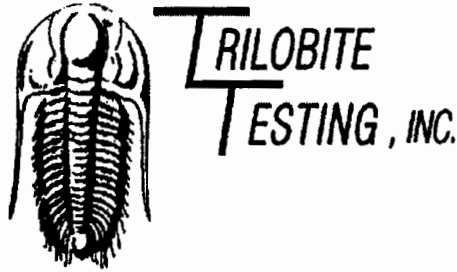
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N. Water, suite 300
Wichita, ks 67202

ATTN: Paul Gunzelman

13-3s-27w

Sayles 2-13

Start Date: 2005.03.09 @ 02:58:37

End Date: 2005.03.09 @ 09:10:12

Job Ticket #: 20514 DST #: 4

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

Murfin Drilling Company Inc.

Sayles 2-13

13-3s-27w

DST # 4

Lansing C-D-E

2005.03.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20514

DST#: 4

ATTN: Paul Gunzelman

Test Start: 2005.03.09 @ 02:58:37

GENERAL INFORMATION:

Formation: Lansing C-D-E

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:35:12

Time Test Ended: 09:10:12

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 18

Interval: 3650.00 ft (KB) To 3685.00 ft (KB) (TVD)

Total Depth: 3685.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2670.00 ft (KB)

2665.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 29.35 psig @ 3686.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.03.09

End Date:

2005.03.09

Last Calib.: 1899.12.30

Start Time: 02:58:37

End Time:

09:10:12

Time On Btm: 2005.03.09 @ 04:33:57

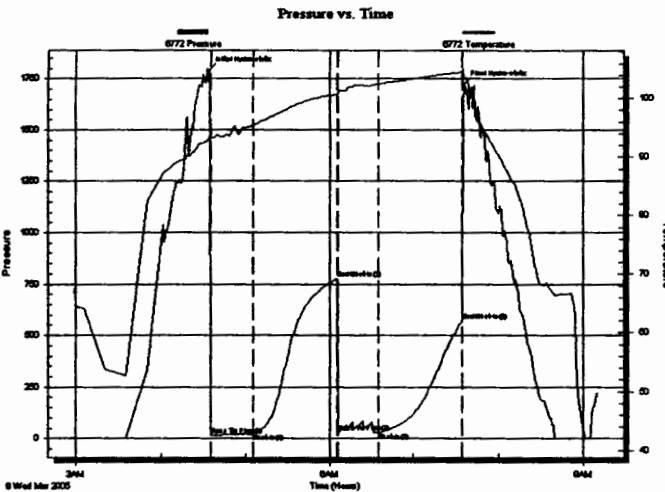
Time Off Btm: 2005.03.09 @ 07:35:57

TEST COMMENT: IF: Surface blow built to 3/4 died in 23 min.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1789.11	93.16	Initial Hydro-static
2	13.50	93.30	Open To Flow (1)
31	22.88	95.41	Shut-In(1)
92	775.70	100.70	End Shut-In(1)
92	28.73	100.64	Open To Flow (2)
122	29.35	102.51	Shut-In(2)
181	570.16	104.60	End Shut-In(2)
182	1724.77	103.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	ocm 5%o 95%m	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20514

DST#: 4

ATTN: Paul Gunzelman

Test Start: 2005.03.09 @ 02:58:37

Tool Information

Drill Pipe:	Length: 3245.00 ft	Diameter: 3.80 inches	Volume: 45.52 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 431.00 ft	Diameter: 2.25 inches	Volume: 2.12 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 47.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3685.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3664.00	
Shut In Tool	5.00			3669.00	
Hydraulic tool	5.00			3674.00	
Safety Joint	2.00			3676.00	
Packer	5.00		Fluid	3681.00	22.00 Bottom Of Top Packer
Packer	4.00			3685.00	
Stubb	1.00			3686.00	
Recorder	0.00	6772	Inside	3686.00	
Perforations	29.00			3715.00	
Recorder	0.00	10248	Outside	3715.00	
Bullnose	5.00			3720.00	35.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20514

DST#: 4

ATTN: Paul Gunzelman

Test Start: 2005.03.09 @ 02:58:37

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	ocm 5%o 95%m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

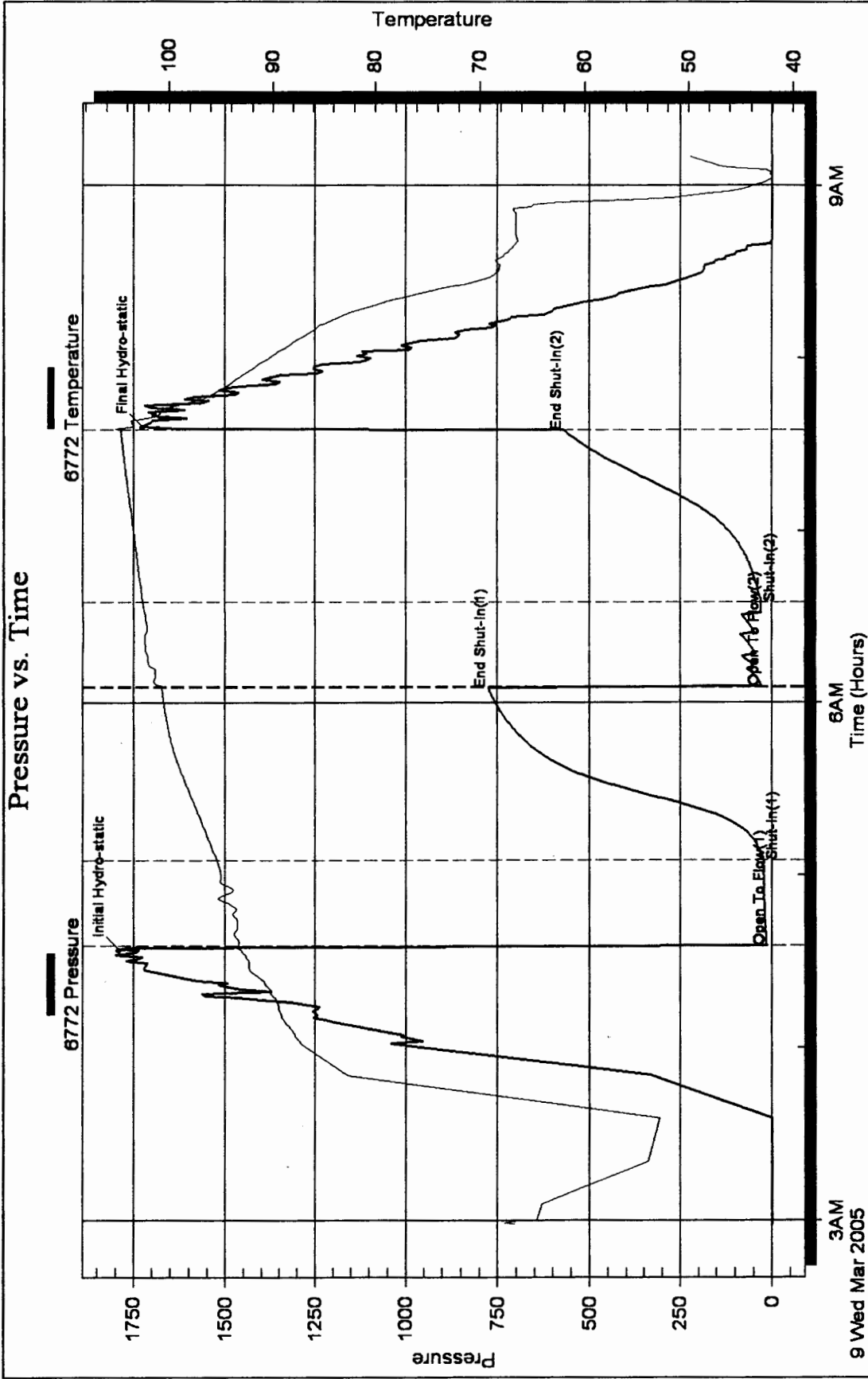
Serial #:

Laboratory Name:

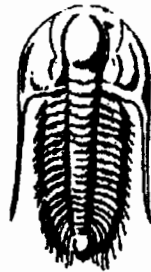
Laboratory Location:

Recovery Comments:

Pressure vs. Time



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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N. Water, suite 300
Wichita, ks 67202

ATTN: Paul Gunzelman

13-3s-27w

Sayles 2-13

Start Date: 2005.03.09 @ 18:44:42

End Date: 2005.03.10 @ 02:25:02

Job Ticket #: 20515 DST #: 5

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

Murfin Drilling Company Inc.

Sayles 2-13

13-3s-27w

DST # 5

KC-H

2005.03.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20515

DST#: 5

ATTN: Paul Gunzelman

Test Start: 2005.03.09 @ 18:44:42

GENERAL INFORMATION:

Formation: KC- H

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:21:02

Time Test Ended: 02:25:02

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 18

Interval: 3706.00 ft (KB) To 3738.00 ft (KB) (TVD)

Total Depth: 3738.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2670.00 ft (KB)

2665.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 39.37 psig @ 3739.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.03.09

End Date: 2005.03.10

Last Calib.: 1899.12.30

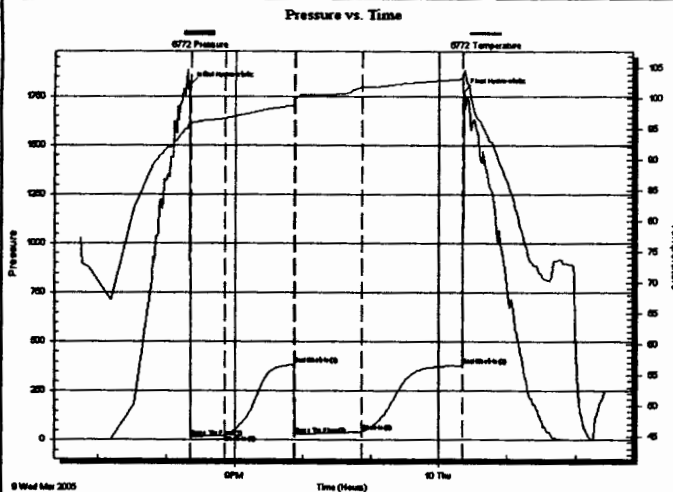
Start Time: 18:44:42

End Time: 02:25:02

Time On Btrm: 2005.03.09 @ 20:20:47

Time Off Btrm: 2005.03.10 @ 00:21:47

TEST COMMENT: IF: Surface blow built to 1 in 30 min.
IS: No return.
FF: Surface blow built to 4 in 60 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1805.99	96.43	Initial Hydro-static
1	12.96	96.05	Open To Flow (1)
31	24.05	96.76	Shut-In(1)
91	384.09	98.94	End Shut-In(1)
92	26.46	100.19	Open To Flow (2)
151	39.37	101.95	Shut-In(2)
241	380.00	103.30	End Shut-In(2)
241	1774.44	104.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	ocm 10%o 90%rn	0.15
35.00	oil 100%o	0.17

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20515

DST#: 5

ATTN: Paul Gunzelman

Test Start: 2005.03.09 @ 18:44:42

Tool Information

Drill Pipe:	Length: 3304.00 ft	Diameter: 3.80 inches	Volume: 46.35 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 431.00 ft	Diameter: 2.25 inches	Volume: 2.12 bbl	Weight to Pull Loose: 71000.00 lb
			<u>Total Volume: 48.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3738.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 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
Stubb	1.00			3717.00	
Shut In Tool	5.00			3722.00	
Hydraulic tool	5.00			3727.00	
Safety Joint	2.00			3729.00	
Packer	5.00		Fluid	3734.00	22.00 Bottom Of Top Packer
Packer	4.00			3738.00	
Stubb	1.00			3739.00	
Recorder	0.00	6772	Inside	3739.00	
Perforations	26.00			3765.00	
Recorder	0.00	10248	Outside	3765.00	
Bullnose	5.00			3770.00	32.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20515

DST#: 5

ATTN: Paul Gunzelman

Test Start: 2005.03.09 @ 18:44:42

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	ocm 10%o 90% _m	0.148
35.00	oil 100% _o	0.172

Total Length:

65.00 ft

Total Volume:

0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

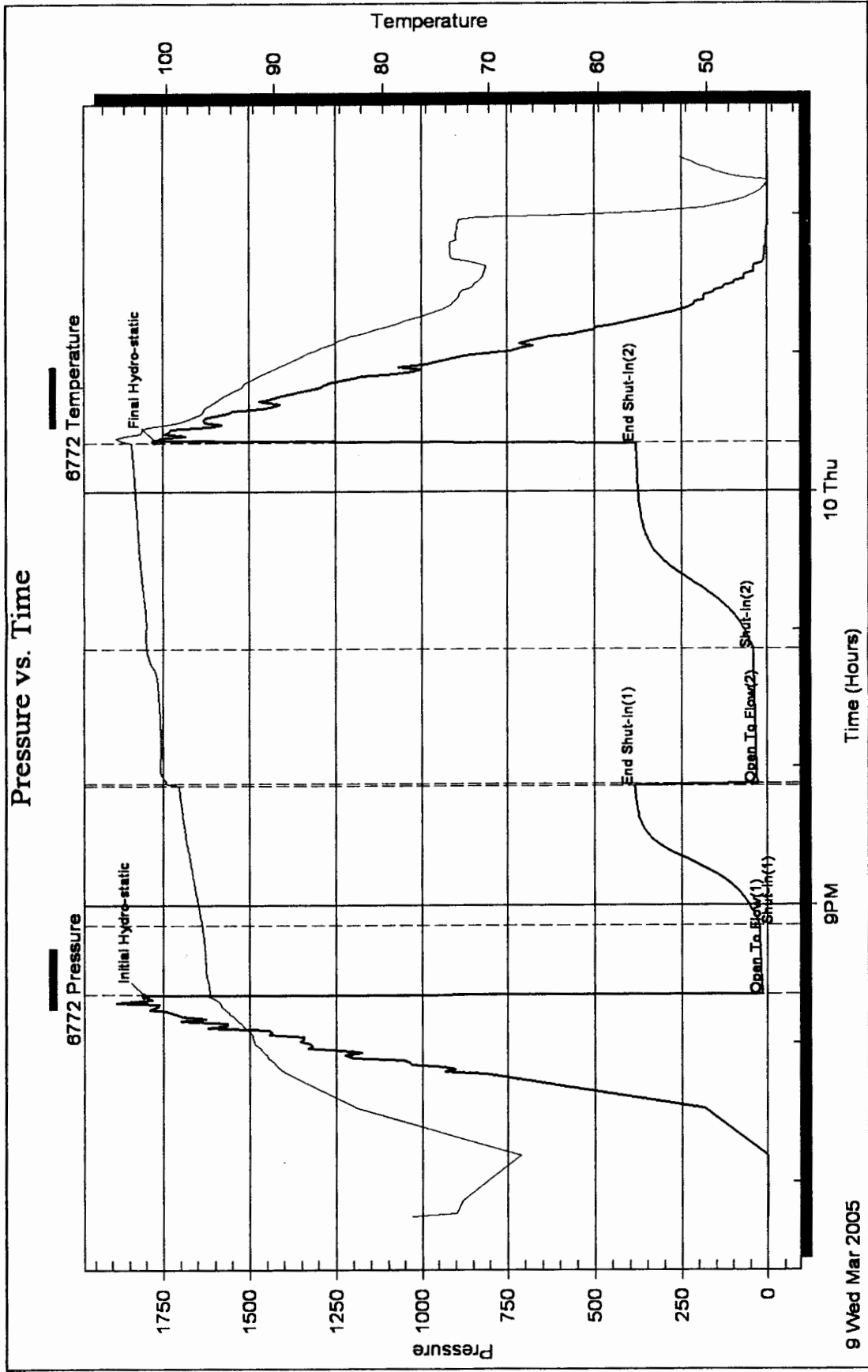
Serial #:

Laboratory Name:

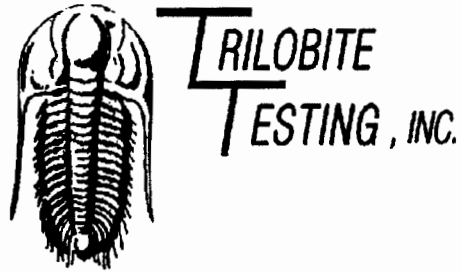
Laboratory Location:

Recovery Comments:

Pressure vs. Time



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DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N. Water, suite 300
Wichita, ks 67202

ATTN: Paul Gunzelman

13-3s-27w

Sayles 2-13

Start Date: 2005.03.10 @ 12:30:22

End Date: 2005.03.10 @ 18:44:27

Job Ticket #: 20516 DST #: 6

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

Murfin Drilling Company Inc.

Sayles 2-13

13-3s-27w

DST # 6

KC-JL

2005.03.10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20516

DST#: 6

ATTN: Paul Gunzelman

Test Start: 2005.03.10 @ 12:30:22

GENERAL INFORMATION:

Formation: KC- J-L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:14:42

Time Test Ended: 18:44:27

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 18

Interval: 3742.00 ft (KB) To 3815.00 ft (KB) (TVD)

Total Depth: 3815.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2670.00 ft (KB)

2665.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 19.19 psig @ 3816.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.03.10

End Date: 2005.03.10

Last Calib.: 1899.12.30

Start Time: 12:30:22

End Time: 18:44:27

Time On Btm: 2005.03.10 @ 14:13:12

Time Off Btm: 2005.03.10 @ 17:14:27

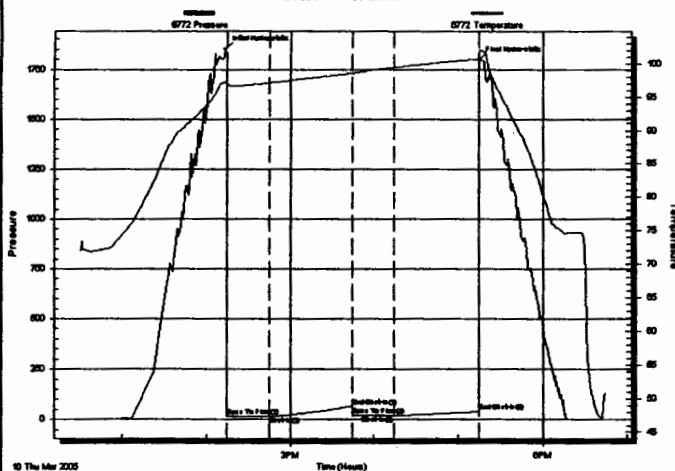
TEST COMMENT: F: 1/4 blow died in 11 min.

IS: No return.

FF: No blow.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1850.17	97.31	Initial Hydro-static
2	14.81	96.92	Open To Flow (1)
32	16.97	97.13	Shut-In(1)
91	66.38	98.55	End Shut-In(1)
92	19.59	98.53	Open To Flow (2)
122	19.19	99.45	Shut-In(2)
181	39.19	100.77	End Shut-In(2)
182	1797.86	101.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20516

DST#: 6

ATTN: Paul Gunzelman

Test Start: 2005.03.10 @ 12:30:22

Tool Information

Drill Pipe:	Length: 3374.00 ft	Diameter: 3.80 inches	Volume: 47.33 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 431.00 ft	Diameter: 2.25 inches	Volume: 2.12 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 49.45 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3815.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 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
Stubb	1.00			3794.00	
Shut In Tool	5.00			3799.00	
Hydraulic tool	5.00			3804.00	
Safety Joint	2.00			3806.00	
Packer	5.00		Fluid	3811.00	22.00 Bottom Of Top Packer
Packer	4.00			3815.00	
Stubb	1.00			3816.00	
Recorder	0.00	6772	Inside	3816.00	
Perforations	33.00			3849.00	
Change Over Sub	1.00			3850.00	
Drill Pipe	32.00			3882.00	
Change Over Sub	1.00			3883.00	
Recorder	0.00	10248	Outside	3883.00	
Bullnose	5.00			3888.00	73.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

Sayles 2-13

250 N. Water, suite 300
Wichita, ks 67202

13-3s-27w

Job Ticket: 20516

DST#: 6

ATTN: Paul Gunzelman

Test Start: 2005.03.10 @ 12:30:22

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.99 in²

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100% _m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

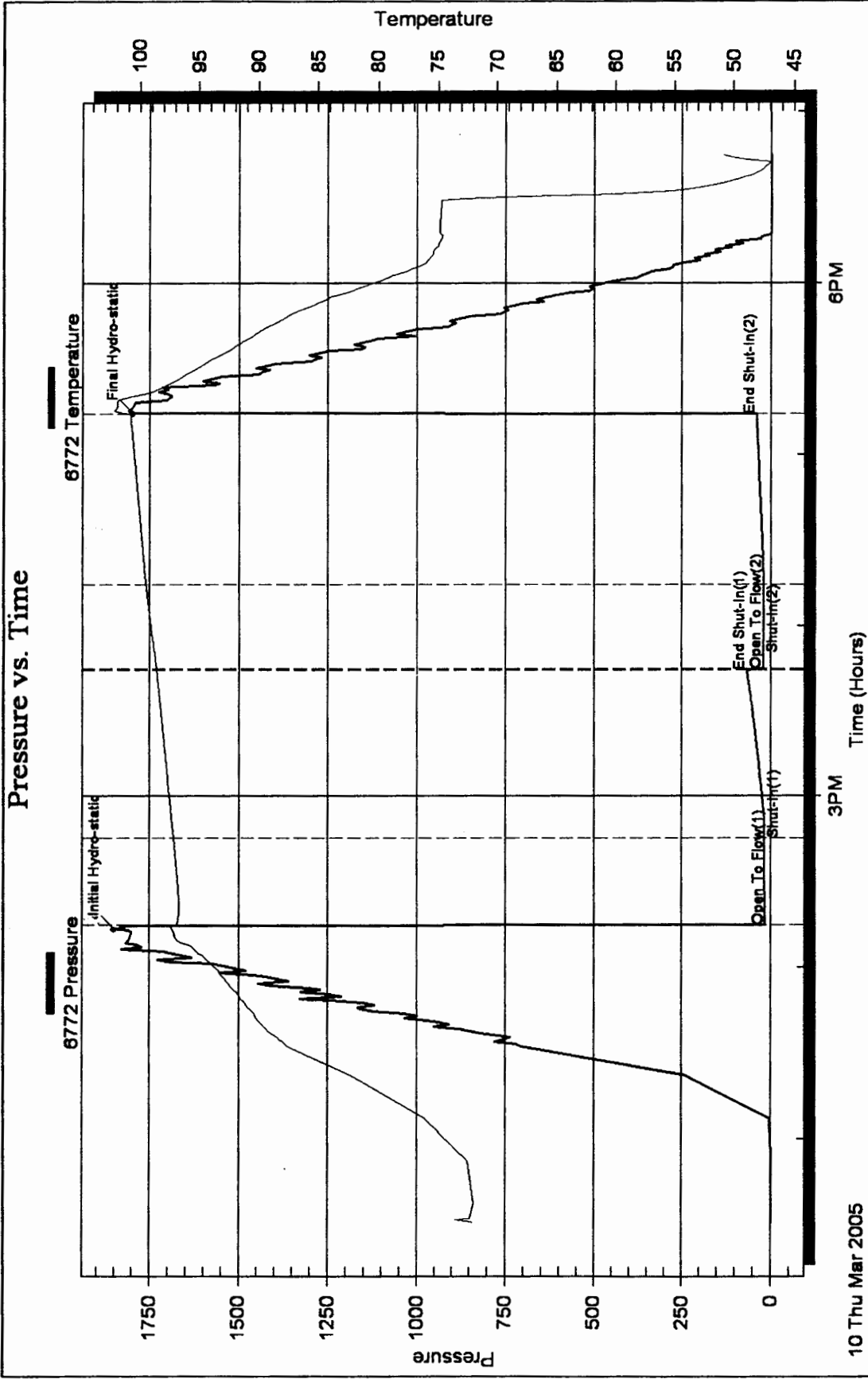
Serial #:

Laboratory Name:

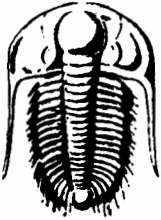
Laboratory Location:

Recovery Comments:

Pressure vs. Time



10 Thu Mar 2005



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20511

65/03

Test Ticket

Well Name & No. Styles 2-13 Test No. 1 Date 3-7-05
 Company Murfin Drilling Company Inc. Zone Tested Oread
 Address 250 N. Water, Suite 300 Wichita, KS 67202 Elevation 2670 KB 2668 GL
 Co. Rep / Geo. Paul Gunzelman Cont. Murfin 3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 25 Rge. 27 W Co. Decatur State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3532 3566 Initial Str Wt./Lbs. 46000 Unseated Str Wt/Lbs. 47000
 Anchor Length _____ 34 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 66000
 Top Packer Depth _____ 3527 Tool Weight 1500
 Bottom Packer Depth _____ 3532 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth _____ 3566 Wt. Pipe Run _____ Drill Collar Run 431
 Mud Wt. 8.8 LCM 0 Vis. 49 WL 6.8 Drill Pipe Size 4 1/2 X H Ft. Run 3/20
 Blow Description IF: Surface blow built to 2 1/4 in 30 min.
IS: No return.
FF: Weak surface blow built to 2 1/2 in 60 min.
FS: No return.

Recovery - Total Feet 125 GIP _____ Ft. in DC 125 Ft. in DP _____
 Rec. 65 Feet of Mud %gas _____ %oil _____ %water 100 %mud _____
 Rec. 60 Feet of WCM %gas _____ %oil 40 %water 60 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 101 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .59 @ 54 °F Chlorides 15000 ppm Recovery 15000 Chlorides 800 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1693	PSI	Recorder No.	6772	Test	X 900.00
(B) First Initial Flow Pressure			12	PSI	(depth)	3533	Elec. Rec.	X
(C) First Final Flow Pressure			36	PSI	Recorder No.	10248	Jars	
(D) Initial Shut-In Pressure			1069	PSI	(depth)	3565	Safety Jt.	X 50.00
(E) Second Initial Flow Pressure			37	PSI	Recorder No.		Circ Sub	X N/C
(F) Second Final Flow Pressure			76	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure			1040	PSI	Initial Opening	30	Straddle	
(Q) Final Hydrostatic Mud			1648	PSI	Initial Shut-In	60	Ext. Packer	
					Final Flow	60	Shale Packer	
					Final Shut-In	90	Mileage	250 \$250.00
					T-On Location	8:50	Sub Total:	
					T-Started	9:32	Std. By	
					T-Open	11:00	Other	
					T-Pulled	15:00	Total:	
					T-Out	16:35		

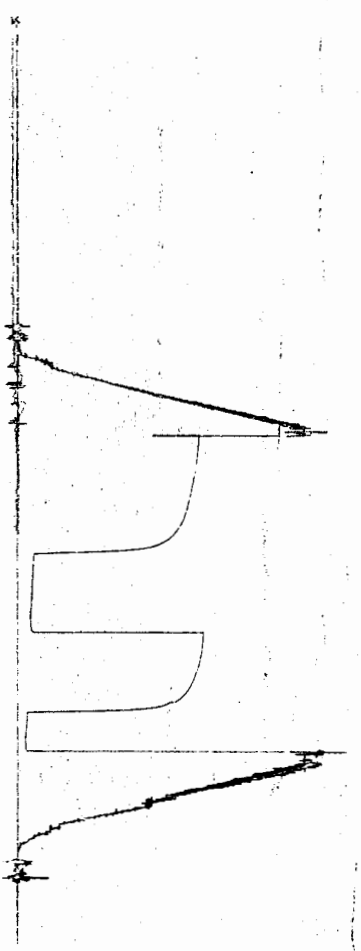
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

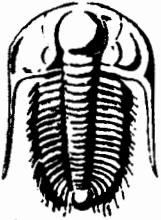
Approved By Paul Gunzelman
 Our Representative [Signature]

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

10248 *Martin Drilling Com.*
#1 *Styles 2-13*





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20512

05/03

Test Ticket

Well Name & No. Sayles 2-13 Test No. 2 Date 3-7-05
 Company Martin Drilling Company Inc. Zone Tested Toronto Lansing A
 Address 250 N. Water, Suite 300 Wichita, KS 67202 Elevation 2670 KB 2665 GL
 Co. Rep / Geo. Paul Gunzelman Cont. Martin 3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 25 Rge. 27 W Co. Decatur State KS
 No. of Copies Norm, Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3566 3624 Initial Str Wt./Lbs. 46000 Unseated Str Wt./Lbs. 46000
 Anchor Length _____ 58 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 66000
 Top Packer Depth _____ 3561 Tool Weight 1500
 Bottom Packer Depth _____ 3566 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth _____ 3624 Wt. Pipe Run _____ Drill Collar Run 431
 Mud Wt. 8.8 LCM 0 Vis. 49 WL 6.8 Drill Pipe Size 4 1/2 XH Ft. Run 3206
 Blow Description IF: Weak surface blow built to & died in 22 min.
IS: No return.
FF: No blow
FS: No return.

Recovery - Total Feet 5 GIP _____ Ft. in DC 5 Ft. in DP _____
 Rec. 5 Feet of mud some oil spots %gas _____ %oil _____ %water 100 %mud _____
 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 _____
 BHT 99 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 800 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1723</u>	PSI	<u>6772</u>	<u>900.00</u>
(B) First Initial Flow Pressure	<u>13</u>	PSI (depth)	<u>3567</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>15</u>	PSI	<u>10248</u>	Jars _____
(D) Initial Shut-In Pressure	<u>420</u>	PSI (depth)	<u>3623</u>	Safety Jt. <u>X 50.00</u>
(E) Second Initial Flow Pressure	<u>16</u>	PSI	Recorder No. _____	Circ Sub <u>X N/L</u>
(F) Second Final Flow Pressure	<u>17</u>	PSI (depth)	Recorder No. _____	Sampler _____
(G) Final Shut-In Pressure	<u>267</u>	PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1675</u>	PSI	Initial Shut-In <u>60</u>	Ext. Packer _____

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Approved By Paul Gunzelman
 Our Representative [Signature]

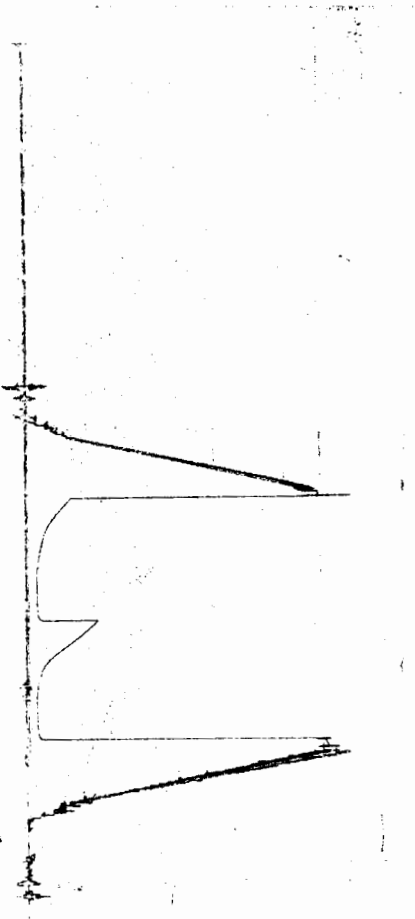
Final Flow	<u>50</u>	Shale Packer _____
Final Shut-In	<u>60</u>	Mileage <u>32 \$ 32.00</u>
T-On Location	<u>22:45</u>	Sub Total: _____
T-Started	<u>23:36</u>	Std. By _____
T-Open	<u>01:21</u>	Other _____
T-Pulled	<u>04:21</u>	Total: _____
T-Out	<u>05:52</u>	

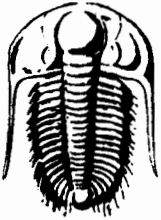
CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

10248
#2

Murfin Drilling Co.,
Sales 2-13





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20513

05/03

Test Ticket

Well Name & No. Styles 2-13 Test No. 3 Date 3-8-05
 Company Murfin Drilling Company Inc. Zone Tested Pollnow
 Address 250 N. Water, suite 300 Wichita, KS 67202 Elevation 2670 KB 2665 GL
 Co. Rep / Geo. Paul Gunzelman Cont. Murfin 3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 35 Rge. 27 W Co. Decatur State KS
 No. of Copies Norm. Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3624 3642 Initial Str Wt./Lbs. 48000 Unseated Str Wt./Lbs. 49000
 Anchor Length _____ 18 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 69000
 Top Packer Depth _____ 3619 Tool Weight 1500
 Bottom Packer Depth _____ 3624 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth _____ 3642 Wt. Pipe Run _____ Drill Collar Run 431
 Mud Wt. 8.9 LCM 0 Vis. 51 WL 6.4 Drill Pipe Size 4 1/2 XH Ft. Run 3196
 Blow Description IF: 1/4 blow BOB in 27 min.
IS: Surface blow built to 1 1/2 in 60 min.
FF: 1/4 blow BOB in 20 min.
FS: Surface blow built to 4 in 90 min.

Recovery - Total Feet 300 GIP 244 Ft. in DC 300 Ft. in DP _____
 Rec. 240 Feet of 600 10 %gas 90 %oil _____ %water _____ %mud
 Rec. 60 Feet of OCM %gas 20 %oil _____ %water 80 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 107 °F Gravity 34 °API D @ 40 °F Corrected Gravity 36 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 800 ppm System

	AK-1	Alpine	PSI	Recorder No.	Test X
(A) Initial Hydrostatic Mud		<u>1793</u>		<u>6772</u>	<u>900.00</u>
(B) First Initial Flow Pressure		<u>146</u>		<u>3623</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure		<u>178</u>		<u>10248</u>	Jars _____
(D) Initial Shut-In Pressure		<u>975</u>		<u>3641</u>	Safety Jt. <u>X 50.00</u>
(E) Second Initial Flow Pressure		<u>71</u>			Circ Sub <u>X N/C</u>
(F) Second Final Flow Pressure		<u>113</u>			Sampler _____
(G) Final Shut-In Pressure		<u>920</u>		<u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1714</u>		<u>60</u>	Ext. Packer _____

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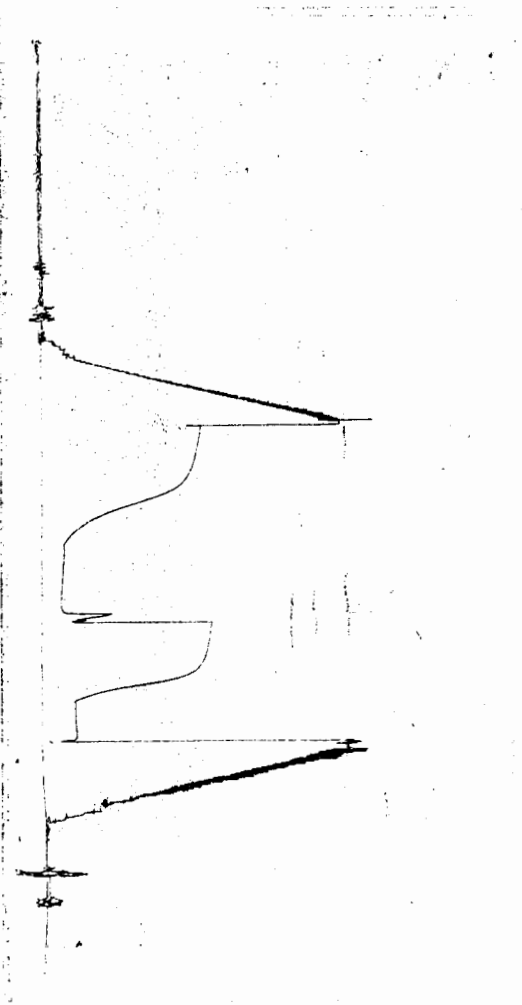
Approved By Paul Gunzelman
 Our Representative [Signature]

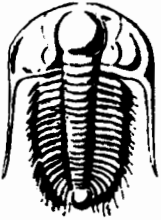
Initial Opening	<u>30</u>
Initial Shut-In	<u>60</u>
Final Flow	<u>60</u>
Final Shut-In	<u>90</u>
T-On Location	<u>11:00</u>
T-Started	<u>11:48</u>
T-Open	<u>13:40</u>
T-Pulled	<u>17:40</u>
T-Out	<u>19:23</u>
Mileage	<u>32 X 32.00</u>
Sub Total:	_____
Std. By	_____
Other	_____
Total:	_____

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

10248 *Martin Drilling Company Inc.*
#3 *Sykes 2-13*





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20514

5/03

Test Ticket

Well Name & No. <u>Sayles 2-13</u>	Test No. <u>4</u>	Date <u>3-9-05</u>
Company <u>Murfin Drilling Company Inc.</u>	Zone Tested <u>Lansing CD & E</u>	
Address <u>250 N. Water, Suite 300 Wichita, KS</u>	Elevation <u>2670</u>	KB <u>2665</u> GL
Co. Rep / Geo. <u>Paul Gunzelman</u>	Cont. <u>Murfin 3</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>13</u> Twp. <u>3S</u> Rge. <u>27W</u>	Co. <u>Decatur</u>	State <u>KS</u>
No. of Copies <u>norm.</u> Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____		

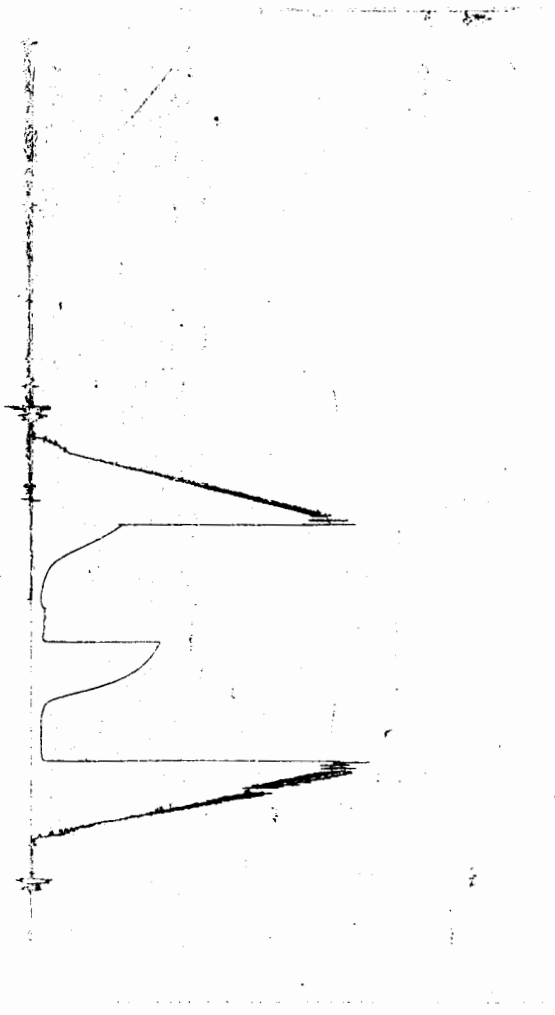
Interval Tested <u>3650</u> <u>3685</u>	Initial Str Wt./Lbs. <u>50000</u>	Unseated Str Wt./Lbs. <u>50000</u>
Anchor Length _____ <u>35</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>80000</u>
Top Packer Depth _____ <u>3645</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth _____ <u>3650</u>	Hole Size 7 7/8" <u>✓</u>	Rubber Size 6 3/4" <u>✓</u>
Total Depth _____ <u>3685</u>	Wt. Pipe Run _____	Drill Collar Run <u>431</u>
Mud Wt. <u>8.9</u> LCM <u>0</u> Vis. <u>51</u> WL <u>6.4</u>	Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>3245</u>
Blow Description <u>IF: Surface blow built to 3/4 died in 23 min.</u>		
<u>IS: No return.</u>		
<u>FF: No blow.</u>		
<u>FS: No return.</u>		

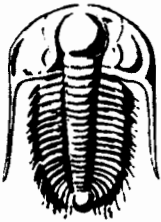
Recovery - Total Feet <u>15</u>	GIP _____	Ft. in DC <u>15</u>	Ft. in DP _____
Rec. <u>15</u> Feet of <u>OCM</u>	%gas <u>5</u>	%oil _____	%water <u>95</u>
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____
BHT <u>104</u> °F Gravity _____	°API D @ _____	°F Corrected Gravity _____	°API _____
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery _____	Chlorides <u>800</u> ppm System

(A) Initial Hydrostatic Mud _____	AK-1 <u>1789</u> PSI	Alpine _____	Recorder No. <u>6772</u>	Test <u>X 900.00</u>
(B) First Initial Flow Pressure _____	<u>13</u> PSI	(depth) _____	<u>3651</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure _____	<u>22</u> PSI	Recorder No. <u>10248</u>	Jars _____	Safety Jt <u>X 50.00</u>
(D) Initial Shut-In Pressure _____	<u>775</u> PSI	(depth) <u>3684</u>	Circ Sub <u>X N/C</u>	Sampler _____
(E) Second Initial Flow Pressure _____	<u>28</u> PSI	Recorder No. _____	Straddle _____	Ext. Packer _____
(F) Second Final Flow Pressure _____	<u>29</u> PSI	(depth) _____	Shale Packer _____	Mileage <u>32 \$ 32.00</u>
(G) Final Shut-In Pressure _____	<u>570</u> PSI	Initial Opening <u>30</u>	Sub Total: _____	Std. By _____
(Q) Final Hydrostatic Mud _____	<u>1724</u> PSI	Initial Shut-In <u>60</u>	Other _____	Total: _____
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.		Final Flow <u>30</u>		
		Final Shut-In <u>60</u>		
Approved By <u>Paul Gunzelman</u>	T-On Location <u>2:15</u>			
	T-Started <u>2:58</u>			
	T-Open <u>4:35</u>			
	T-Pulled <u>7:35</u>			
	T-Out <u>9:10</u>			
Our Representative <u>[Signature]</u>				

CHART PAGE
This is a photocopy of the actual AK-1 recorder chart.

10248
#4
Martin Drilling Company
59465 2-73





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20515

05/03

Test Ticket

Well Name & No. Sayles 2-13 Test No. 5 Date 3-9-05
 Company Murfin Drilling Company Zone Tested KL 'H'
 Address 250 N. Water, Suite 300 Wichita, KS 67202 Elevation 2670 KB 2665 GL
 Co. Rep / Geo. Paul Gunzelman Cont. Murfin 3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 35 Rge. 27W Co. Declar State KS
 No. of Copies Norm Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3706 3738 Initial Str Wt./Lbs. 50600 Unseated Str Wt/Lbs. 51000
 Anchor Length _____ 32 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 71000
 Top Packer Depth _____ 3701 Tool Weight 1500
 Bottom Packer Depth _____ 3706 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth _____ 3738 Wt. Pipe Run _____ Drill Collar Run 431
 Mud Wt. 9.0 LCM 1.5 Vis. 56 WL 6.0 Drill Pipe Size 4 1/2 X H Ft. Run 3304
 Blow Description IF: Surface blow built to 1 in 30 min.
IS: No return.
FF: Surface blow built to 4 in 60 min.
FS: No return.

Recovery - Total Feet 65 GIP _____ Ft. in DC 65 Ft. in DP _____
 Rec. 35 Feet of oil %gas 100 %oil _____ %water _____ %mud _____
 Rec. 30 Feet of OCM %gas 10 %oil _____ %water 90 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 104 °F Gravity 33 °API D @ 50 °F Corrected Gravity 34 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1805</u> PSI	<u>1805</u> PSI	<u>6772</u>	<u>900.00</u>
(B) First Initial Flow Pressure	<u>12</u> PSI	<u>12</u> PSI	<u>3707</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>24</u> PSI	<u>24</u> PSI	<u>10248</u>	Jars _____
(D) Initial Shut-In Pressure	<u>384</u> PSI	<u>384</u> PSI	<u>3737</u>	Safety JtX <u>50.00</u>
(E) Second Initial Flow Pressure	<u>26</u> PSI	<u>26</u> PSI		Circ Sub <u>X N/C</u>
(F) Second Final Flow Pressure	<u>39</u> PSI	<u>39</u> PSI		Sampler _____
(G) Final Shut-In Pressure	<u>380</u> PSI	<u>380</u> PSI	<u>Initial Opening 30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1774</u> PSI	<u>1774</u> PSI	<u>Initial Shut-In 60</u>	Ext. Packer _____

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Approved By Paul Gunzelman
 Our Representative Bob [Signature]

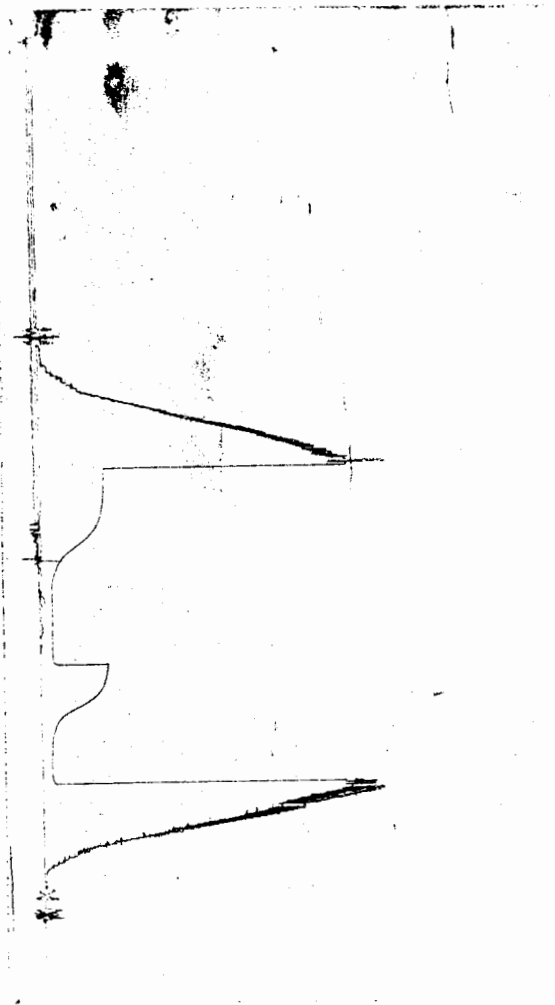
Final Flow 60
 Final Shut-In 90
 T-On Location 17:15
 T-Started 18:44
 T-Open 20:21
 T-Pulled 24:21
 T-Out 02:25

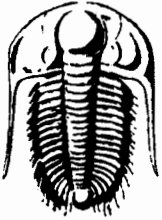
Mileage 32 \$ 32.00
 Sub Total: _____
 Std. By X
 Other: _____
 Total: _____

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

10298 Martin Drilling Company
#15 Syles 2-13





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20516

05/03

Test Ticket

Well Name & No. Sayles 2-13 Test No. 6 Date 3-10-05
 Company Murfin Drilling Company Inc. Zone Tested KC-J-L
 Address 250 N. Water, Suite 300 Wichita, KS Elevation 2670 KB 2665 GL
 Co. Rep / Geo. Paul Gunzelman Cont. Murfin 3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 3S Rge. 27W Co. Decatur State KS
 No. of Copies norm Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3742 3815 Initial Str Wt./Lbs. 50000 Unseated Str Wt/Lbs. 50000
 Anchor Length _____ 173 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 70000
 Top Packer Depth _____ 3737 Tool Weight 1500
 Bottom Packer Depth _____ 3742 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth _____ 3815 Wt. Pipe Run _____ Drill Collar Run 431
 Mud Wt. 9.1 LCM 1 Vis. 51 WL 6.0 Drill Pipe Size 4 1/2 XH Ft. Run 3374
 Blow Description IF: 4 blow died in 11 min.

IS: No return.
FP: No blow.
FS: No return.

Recovery - Total Feet 5 GIP _____ Ft. in DC 5 Ft. in DP _____
 Rec. 5 Feet of mud %gas _____ %oil _____ %water 100 %mud
 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
 BHT 101 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1850</u> PSI	<u>6772</u>	<u>X 900.00</u>
(B) First Initial Flow Pressure		<u>14</u> PSI	(depth) <u>3743</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure		<u>16</u> PSI	Recorder No. <u>10248</u>	Jars _____
(D) Initial Shut-In Pressure		<u>66</u> PSI	(depth) <u>3814</u>	Safety Jt. <u>X 50.00</u>
(E) Second Initial Flow Pressure		<u>19</u> PSI	Recorder No. _____	Circ Sub <u>X N/C</u>
(F) Second Final Flow Pressure		<u>39</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>39</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1297</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____

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Approved By Paul Gunzelman
 Our Representative [Signature]

Final Flow 30
 Final Shut-In 60
 T-On Location 11:30
 T-Started 12:30
 T-Open 14:14
 T-Pulled 17:14
 T-Out 18:44
 Shale Packer _____
 Mileage 32 \$ 32.00
 Sub Total: _____
 Std. By _____
 Other _____
 Total: _____

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

10248 Martin Drilling Company
#6 Syles 2-13

