



DRILL STEM TEST REPORT

Prepared For: **Murfin Drlg Co Inc**

250 N Wtr Ste 300
Wichita Ks 67202

ATTN: David Doyel

21-2-26-Decatur-Ks

Stapp Farms # 1-21

Start Date: 2006.03.14 @ 08:17:01

End Date: 2006.03.14 @ 15:41:16

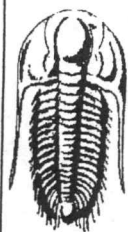
Job Ticket #: 24758 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drlg Co Inc
Stapp Farms # 1-21
21-2-26-Decatur-Ks
DST # 1
Toronto/A LKC
2006.03.14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drlg Co Inc

250 N Wtr Ste 300
Wichita Ks 67202

ATTN: David Doyel

Stapp Farms # 1-21

21-2-26-Decatur-Ks

Job Ticket: 24758

DST#: 1

Test Start: 2006.03.14 @ 08:17:01

GENERAL INFORMATION:

Formation: **Toronto/A LKC**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 10:09:31
 Time Test Ended: 15:41:16

Test Type: **Conventional Bottom Hole**
 Tester: **Dan Bangle**
 Unit No: **21**

Interval: **3378.00 ft (KB) To 3437.00 ft (KB) (TVD)**
 Total Depth: **3437.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2550.00 ft (KB)**
2545.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 6741

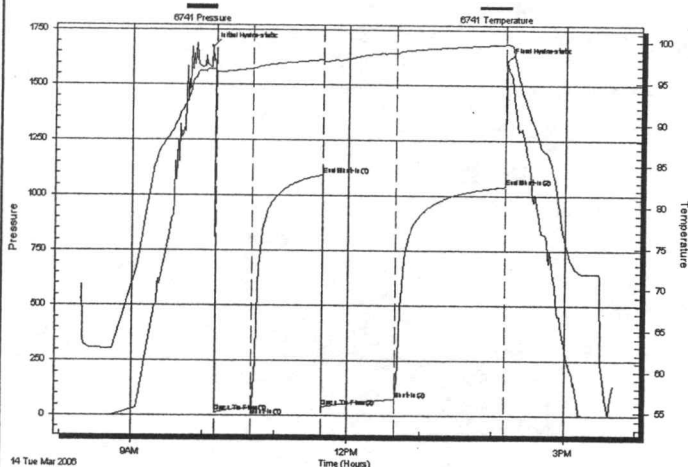
Inside

Press@RunDepth: **76.64 psig @ 3381.00 ft (KB)**
 Start Date: **2006.03.14** End Date: **2006.03.14**
 Start Time: **08:17:03** End Time: **15:41:16**

Capacity: **7000.00 psig**
 Last Calib.: **2006.03.14**
 Time On Btrm: **2006.03.14 @ 10:06:46**
 Time Off Btrm: **2006.03.14 @ 14:11:16**

TEST COMMENT: Slid tool 10' to bottom
 IF-Weak building to 3/4"
 FF-Weak steady surface blow
 Times-30-60-60-90

Pressure vs. Time



PRESSURE SUMMARY

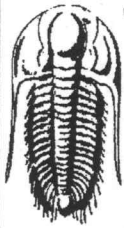
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1673.17	96.64	Initial Hydro-static
3	12.72	96.32	Open To Flow (1)
34	34.03	96.71	Shut-In(1)
92	1093.83	97.82	End Shut-In(1)
92	39.48	97.61	Open To Flow (2)
152	76.64	98.66	Shut-In(2)
244	1043.25	99.77	End Shut-In(2)
245	1609.79	99.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	Mud w/ oil spots t/o	0.61

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drig Co Inc

Stapp Farms # 1-21

250 N Wtr. Ste 300
Wichita Ks 67202

21-2-26-Decatur-Ks

Job Ticket: 24758

DST#: 1

ATTN: David Doyel

Test Start: 2006.03.14 @ 08:17:01

Tool Information

Drill Pipe:	Length: 2872.00 ft	Diameter: 3.80 inches	Volume: 40.29 bbl	Tool Weight: 2000.00 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: 488.00 ft	Diameter: 2.25 inches	Volume: 2.40 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 42.69 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3378.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3355.00	
Shut In Tool	5.00			3360.00	
Hydraulic tool	5.00			3365.00	
Safety Joint	3.00			3368.00	
Packer	5.00			3373.00	24.00 Bottom Of Top Packer
Packer	5.00			3378.00	
Stubb	1.00			3379.00	
Perforations	1.00			3380.00	
Change Over Sub	1.00			3381.00	
Recorder	0.00	6741	Inside	3381.00	
Drill Pipe	29.00			3410.00	
Change Over Sub	1.00			3411.00	
Recorder	0.00	13254	Outside	3411.00	
Perforations	23.00			3434.00	
Change Over Sub	3.00			3437.00	59.00 Bottom Packers & Anchor

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drig Co Inc

Stapp Farms # 1-21

250 N Wtr Ste 300
Wchita Ks 67202

21-2-26-Decatur-Ks

Job Ticket: 24758

DST#: 1

ATTN: David Doyel

Test Start: 2006.03.14 @ 08:17:01

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 5.99 in³

Resistivity: ohm.m

Salinity: 700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	Mud w / oil spots t/o	0.615

Total Length: 125.00 ft Total Volume: 0.615 bbl

Num Fluid Samples: 0

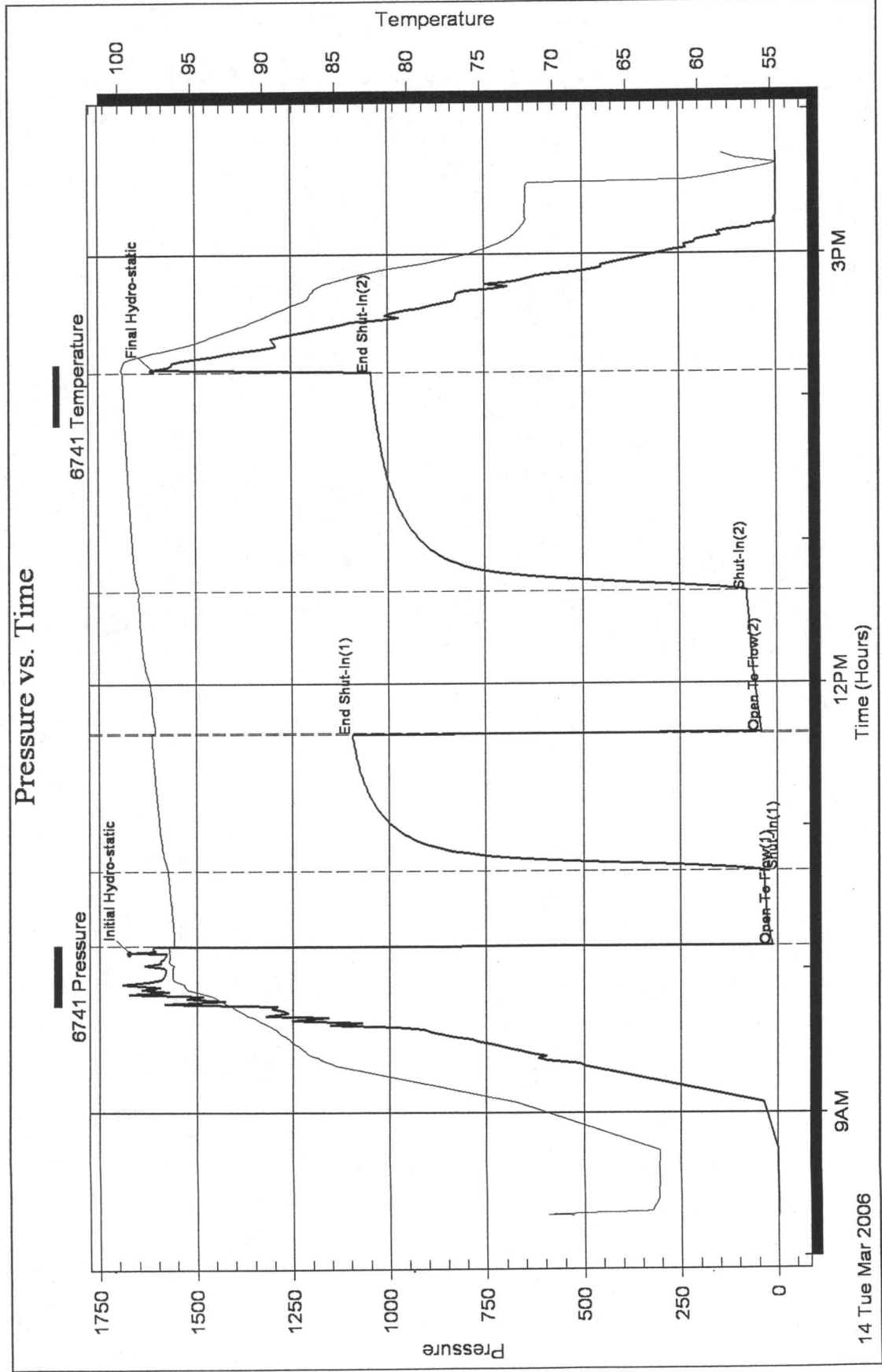
Num Gas Bombs: 0

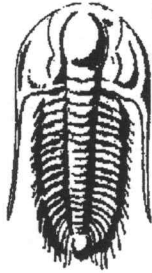
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drlg Co Inc**

250 N Wtr Ste 300
Wichita Ks 67202

ATTN: David Doyel

21-2-26-Decatur-Ks

Stapp Farms # 1-21

Start Date: 2006.03.14 @ 20:50:29

End Date: 2006.03.15 @ 03:47:59

Job Ticket #: 24759 DST #: 2

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 Drig Co Inc

250 N Wtr Ste 300
Wichita Ks 67202

ATTN: David Doyel

Stapp Farms # 1-21

21-2-26-Decatur-Ks

Job Ticket: 24759

DST#: 2

Test Start: 2006.03.14 @ 20:50:29

GENERAL INFORMATION:

Formation: **Pollnow/B LKC**

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

Time Tool Opened: 22:17:29

Time Test Ended: 03:47:59

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3432.00 ft (KB) To 3455.00 ft (KB) (TVD)**

Total Depth: 3455.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2550.00 ft (KB)

2545.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741 Inside

Press@RunDepth: 64.40 psig @ 3433.00 ft (KB)

Start Date: 2006.03.14

End Date: 2006.03.15

Capacity: 7000.00 psig

Last Calib.: 2006.03.15

Start Time: 20:50:31

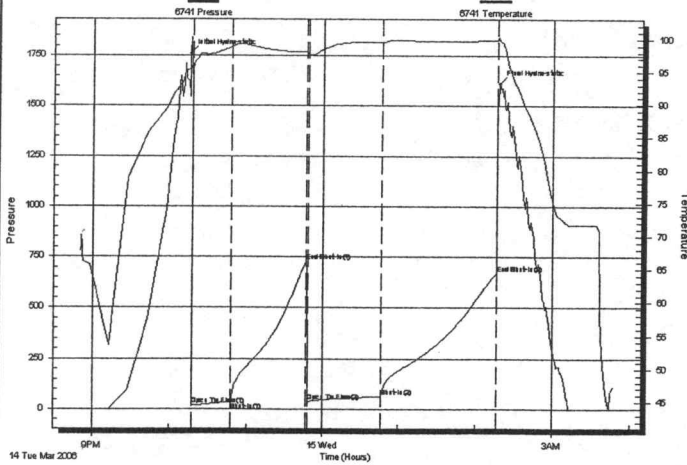
End Time: 03:47:59

Time On Btrn: 2006.03.14 @ 22:15:29

Time Off Btrn: 2006.03.15 @ 02:17:59

TEST COMMENT: Slid tool 6' to bottom
IF-Weak building to 3"
FF-Weak steady surface blow
Times-30-60-60-90

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1758.61	95.42	Initial Hydro-static
2	18.24	95.66	Open To Flow (1)
33	34.66	98.82	Shut-In(1)
92	728.31	98.04	End Shut-In(1)
93	37.16	97.66	Open To Flow (2)
152	64.40	99.50	Shut-In(2)
241	667.80	99.87	End Shut-In(2)
243	1610.18	99.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MCO 20% m 80% o	0.02
125.00	CO	0.61

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drig Co Inc

Stapp Farms # 1-21

250 N Wtr Ste 300
Wichita Ks 67202

21-2-26-Decatur-Ks

Job Ticket: 24759

DST#: 2

ATTN: David Doyel

Test Start: 2006.03.14 @ 20:50:29

Tool Information

Drill Pipe:	Length: 2933.00 ft	Diameter: 3.80 inches	Volume: 41.14 bbl	Tool Weight: 2000.00 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: 488.00 ft	Diameter: 2.25 inches	Volume: 2.40 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 43.54 bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3432.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	47.00 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
Change Over Sub	1.00			3409.00	
Shut In Tool	5.00			3414.00	
Hydraulic tool	5.00			3419.00	
Safety Joint	3.00			3422.00	
Packer	5.00			3427.00	24.00 Bottom Of Top Packer
Packer	5.00			3432.00	
Stubb	1.00			3433.00	
Recorder	0.00	6741	Inside	3433.00	
Perforations	19.00			3452.00	
Recorder	0.00	13254	Outside	3452.00	
Bullnose	3.00			3455.00	23.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drig Co Inc

Stapp Farms # 1-21

250 N Wtr Ste 300
Wichita Ks 67202

21-2-26-Decatur-Ks

Job Ticket: 24759

DST#: 2

ATTN: David Doyel

Test Start: 2006.03.14 @ 20:50:29

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	MCO 20% m 80% o	0.025
125.00	CO	0.615

Total Length: 130.00 ft

Total Volume: 0.640 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

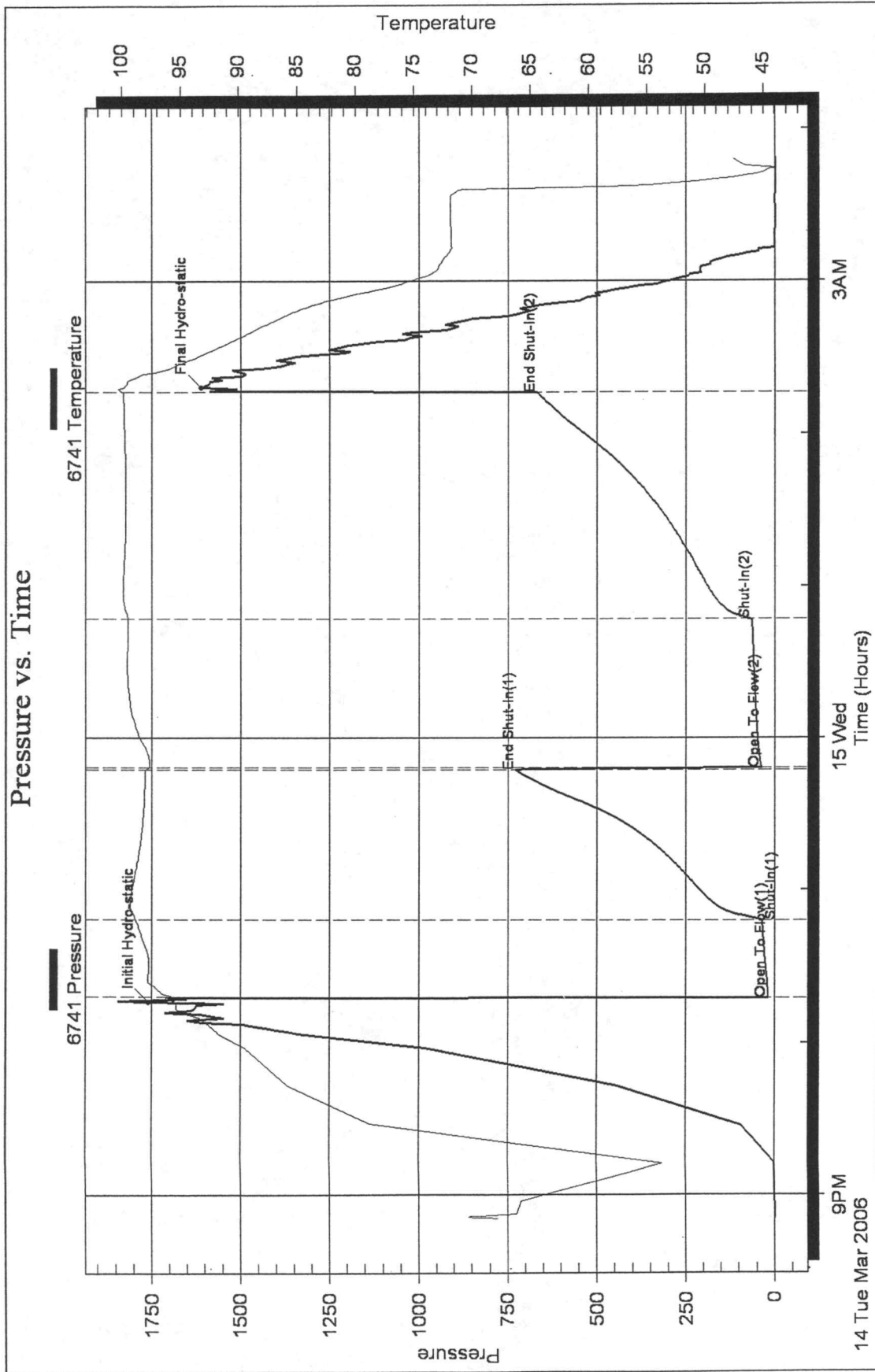
Inside

Murfin Drig Co Inc

21-2-26-Decatur-Ks

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drlg Co Inc**

250 N Wtr Ste 300
Wichita Ks 67202

ATTN: David Doyel

21-2-26-Decatur-Ks

Stapp Farms # 1-21

Start Date: 2006.03.15 @ 11:31:09

End Date: 2006.03.15 @ 18:42:24

Job Ticket #: 24760 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drlg Co Inc

Stapp Farms # 1-21

21-2-26-Decatur-Ks

DST # 3

C-D-8-G

LK

2006.03.15



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drlg Co Inc

250 N Wtr Ste 300
Wichita Ks 67202

ATTN: David Doyel

Stapp Farms # 1-21

21-2-26-Decatur-Ks

Job Ticket: 24760

DST#: 3

Test Start: 2006.03.15 @ 11:31:09

GENERAL INFORMATION:

Formation: **C-D-&-G LK**

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

Time Tool Opened: 13:09:39

Time Test Ended: 18:42:24

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **21**

Interval: **3452.00 ft (KB) To 3512.00 ft (KB) (TVD)**

Total Depth: **3512.00 ft (KB) (TVD)**

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

Reference Elevations: **2550.00 ft (KB)**

2545.00 ft (CF)

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

Serial #: 6741 **Inside**

Press@RunDepth: **186.63 psig @ 3455.00 ft (KB)**

Start Date: **2006.03.15**

End Date: **2006.03.15**

Start Time: **11:31:11**

End Time: **18:42:24**

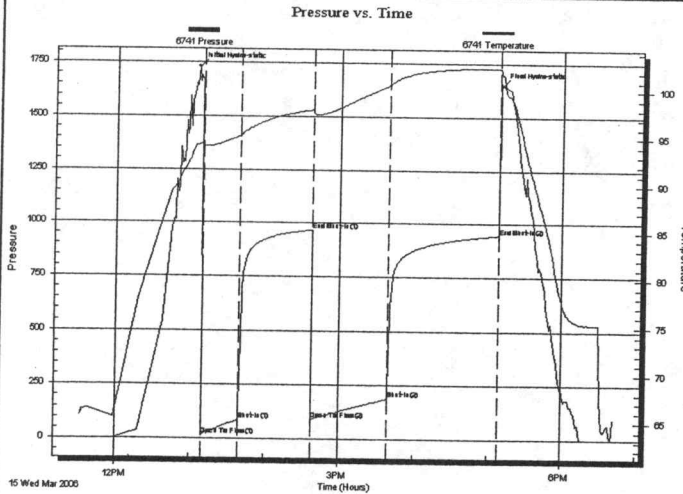
Capacity: **7000.00 psig**

Last Calib.: **2006.03.15**

Time On Btm: **2006.03.15 @ 13:05:54**

Time Off Btm: **2006.03.15 @ 17:09:54**

TEST COMMENT: Slid tool 5' to bottom
IF-Weak building to 2"
FF-Weak steady 1/4" blow
Times-30-60-60-90



PRESSURE SUMMARY

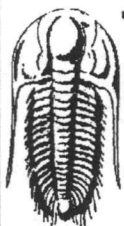
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.20	94.28	Initial Hydro-static
4	13.46	94.03	Open To Flow (1)
34	84.80	95.20	Shut-In(1)
93	967.04	97.99	End Shut-In(1)
93	91.69	97.73	Open To Flow (2)
153	186.63	100.61	Shut-In(2)
242	944.82	102.50	End Shut-In(2)
244	1646.47	101.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
233.00	Wtr Rw .13 @ 75 = 55000ppm	1.15
125.00	Oil spotted Mdy Wtr	0.61
2.00	CO	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drlg Co Inc

Stapp Farms # 1-21

250 N Wtr Ste 300
Wichita Ks 67202

21-2-26-Decatur-Ks

Job Ticket: 24760

DST#: 3

ATTN: David Doyel

Test Start: 2006.03.15 @ 11:31:09

Tool Information

Drill Pipe:	Length: 2963.00 ft	Diameter: 3.80 inches	Volume: 41.56 bbl	Tool Weight: 2000.00 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: 488.00 ft	Diameter: 2.25 inches	Volume: 2.40 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 43.96 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	3452.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3429.00	
Shut In Tool	5.00			3434.00	
Hydraulic tool	5.00			3439.00	
Safety Joint	3.00			3442.00	
Packer	5.00			3447.00	24.00 Bottom Of Top Packer
Packer	5.00			3452.00	
Stubb	1.00			3453.00	
Perforations	1.00			3454.00	
Change Over Sub	1.00			3455.00	
Recorder	0.00	6741	Inside	3455.00	
Drill Pipe	30.00			3485.00	
Change Over Sub	1.00			3486.00	
Recorder	0.00	13254	Outside	3486.00	
Perforations	23.00			3509.00	
Change Over Sub	3.00			3512.00	60.00 Bottom Packers & Anchor

Total Tool Length: 84.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drlg Co Inc
250 N Wtr Ste 300
Wichita Ks 67202
ATTN: David Doyel

Stapp Farms # 1-21
21-2-26-Decatur-Ks
Job Ticket: 24760 **DST#: 3**
Test Start: 2006.03.15 @ 11:31:09

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:	55000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
233.00	Wtr Rw .13 @ 75 = 55000ppm	1.146
125.00	Oil spotted Mdy Wtr	0.615
2.00	CO	0.010

Total Length: 360.00 ft Total Volume: 1.771 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6741

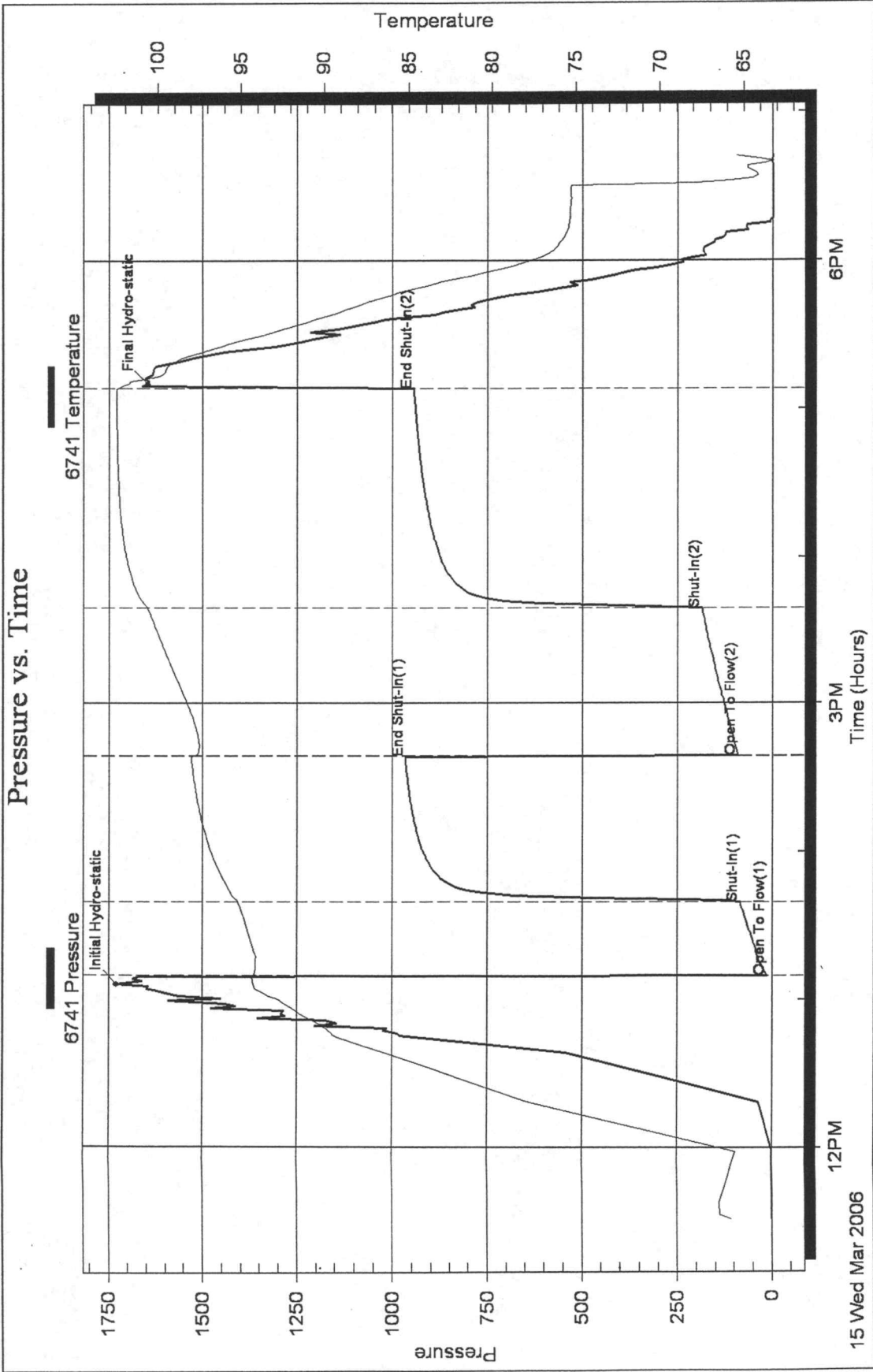
Inside

Murfin Dfg Co Inc

21-2-26-Decatur-Ks

DST Test Number: 3

Pressure vs. Time



15 Wed Mar 2006

Trilobite Testing, Inc

Ref. No: 24760

Printed: 2006.03.20 @ 14:46:51 Page 5



DRILL STEM TEST REPORT

Prepared For: **Murfin Drlg Co Inc**

250 N Wtr Ste 300
Wichita Ks 67202

ATTN: David Doyel

21-2-26-Decatur-Ks

Stapp Farms # 1-21

Start Date: 2006.03.16 @ 07:23:23

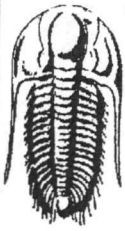
End Date: 2006.03.16 @ 14:15:08

Job Ticket #: 24761 DST #: 4

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 Drlg Co Inc

250 N Wtr Ste 300
Wichita Ks 67202

ATTN: David Doyel

Stapp Farms # 1-21

21-2-26-Decatur-Ks

Job Ticket: 24761

DST#: 4

Test Start: 2006.03.16 @ 07:23:23

GENERAL INFORMATION:

Formation: **H-K LKC**

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

Time Tool Opened: 09:04:23

Time Test Ended: 14:15:08

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3511.00 ft (KB) To 3600.00 ft (KB) (TVD)**

Total Depth: **3600.00 ft (KB) (TVD)**

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

Reference Elevations: **2550.00 ft (KB)**

2545.00 ft (CF)

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

Serial #: 6741

Inside

Press@RunDepth: **66.41 psig @ 3514.00 ft (KB)**

Start Date: **2006.03.16**

End Date:

2006.03.16

Start Time: **07:23:25**

End Time:

14:15:08

Capacity: **7000.00 psig**

Last Calib.: **2006.03.16**

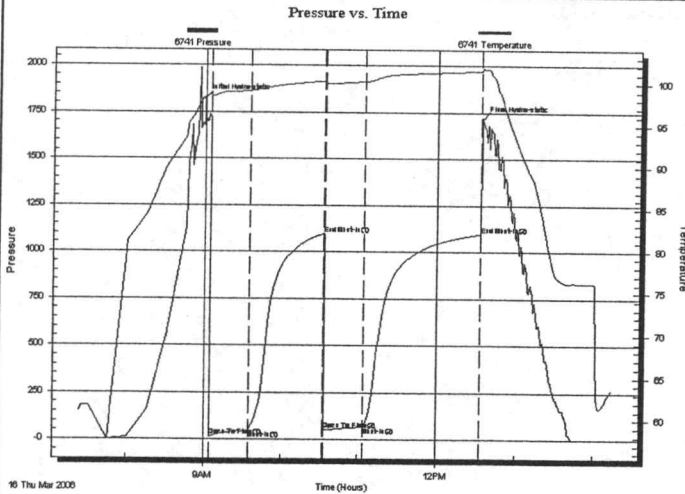
Time On Btm: **2006.03.16 @ 08:59:23**

Time Off Btm: **2006.03.16 @ 12:34:23**

TEST COMMENT: **IF-Weak died in 20 min**

FF-Weak building to 1"

Times-30-60-30-90



PRESSURE SUMMARY

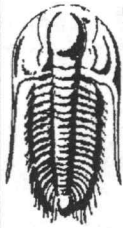
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.15	98.36	Initial Hydro-static
5	15.35	98.49	Open To Flow (1)
35	48.99	99.11	Shut-In(1)
94	1096.53	100.27	End Shut-In(1)
95	50.04	100.03	Open To Flow (2)
125	66.41	100.23	Shut-In(2)
215	1095.06	101.50	End Shut-In(2)
215	1714.85	101.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OCM 30%o 70%m	0.30
50.00	MCO 70%o 30%m	0.25
10.00	CO	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drlg Co Inc

Stapp Farms # 1-21

250 N Wtr Ste 300
Wichita Ks 67202

21-2-26-Decatur-Ks

Job Ticket: 24761

DST#: 4

ATTN: David Doyel

Test Start: 2006.03.16 @ 07:23:23

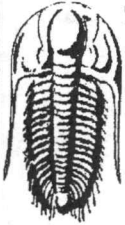
Tool Information

Drill Pipe:	Length: 3023.00 ft	Diameter: 3.80 inches	Volume: 42.40 bbl	Tool Weight: 2000.00 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: 488.00 ft	Diameter: 2.25 inches	Volume: 2.40 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 44.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	3511.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 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
Change Over Sub	1.00			3488.00	
Shut In Tool	5.00			3493.00	
Hydraulic tool	5.00			3498.00	
Safety Joint	3.00			3501.00	
Packer	5.00			3506.00	24.00 Bottom Of Top Packer
Packer	5.00			3511.00	
Stubb	1.00			3512.00	
Perforations	1.00			3513.00	
Change Over Sub	1.00			3514.00	
Recorder	0.00	6741	Inside	3514.00	
Drill Pipe	60.00			3574.00	
Change Over Sub	1.00			3575.00	
Recorder	0.00	13254	Outside	3575.00	
Perforations	22.00			3597.00	
Change Over Sub	3.00			3600.00	89.00 Bottom Packers & Anchor

Total Tool Length: 113.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilg Co Inc

250 N Wtr Ste 300
Wichita Ks 67202

ATTN: David Doyel

Stapp Farms # 1-21

21-2-26-Decatur-Ks

Job Ticket: 24761

DST#: 4

Test Start: 2006.03.16 @ 07:23:23

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 66.00 sec/qt

Water Loss: 5.59 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

36 deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OCM 30%o 70%m	0.305
50.00	MCO 70%o 30%m	0.246
10.00	CO	0.049

Total Length: 122.00 ft Total Volume: 0.600 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

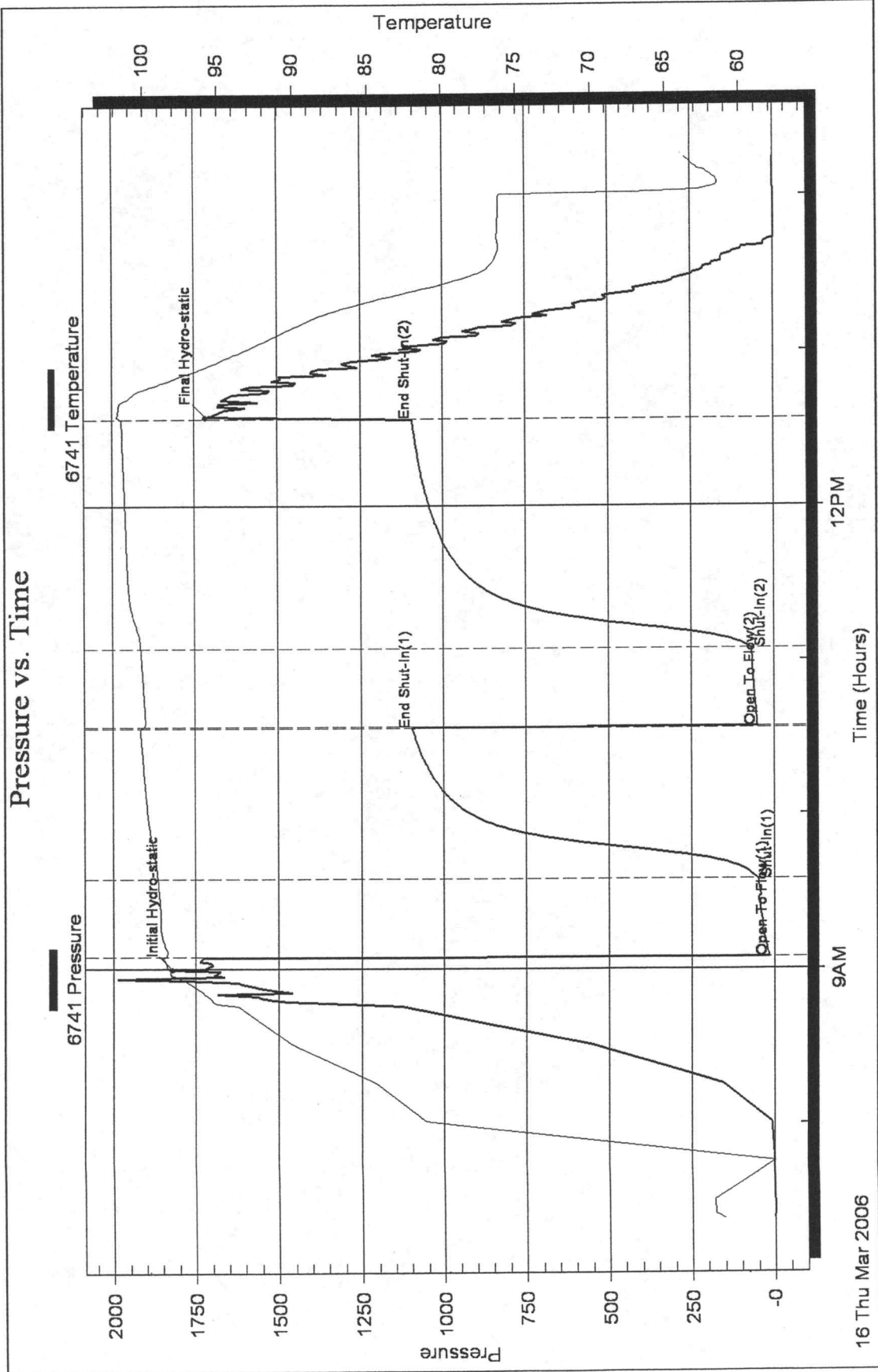
Inside

Murfin Drig Co Inc

21-2-26-Decatur-Ks

DST Test Number: 4

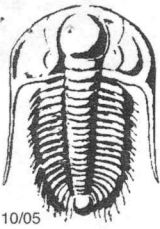
Pressure vs. Time



16 Thu Mar 2006

9AM

12PM



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

8519

No 24758

Test Ticket

Well Name & No. Stapp Farms #1-21 Test No. 1 Date 3-14-06
 Company Murfin Drilg. Co. Inc Zone Tested Toronto/A LKC
 Address 250 N. WTR STE 300 Wichita, Ks. 67202 Elevation 2550 KB 2545 GL
 Co. Rep / Geo. Paul Gunzelman Rig Murfin #3
 Location: Sec. 21 Twp. 2 Rge. 26 Co. Decatur State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3378 — 3437 Initial Str Wt./Lbs. 70,000 Unseated Str Wt/Lbs. 70,000
 Anchor Length 59 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 80,000
 Top Packer Depth 3373 Tool Weight 2000
 Bottom Packer Depth 3378 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3437 Wt. Pipe Run _____ Drill Collar Run 488
 Mud Wt. 8.9 LCM 1# Vis. 52 WL 6 Drill Pipe Size 4.5 XH Ft. Run 2872
 Blow Description I.F. Weak - building to 3/4" (Slid Tool 10' to bottom)

F.F. Weak steady surface blow

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>125</u>		<u>125</u>	
Rec. <u>125</u>	Feet of <u>Mud w/ oil spears</u>	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
BHT <u>99</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW _____	@ _____ °F	Chlorides _____ ppm	Recovery _____ Chlorides <u>700</u> ppm System

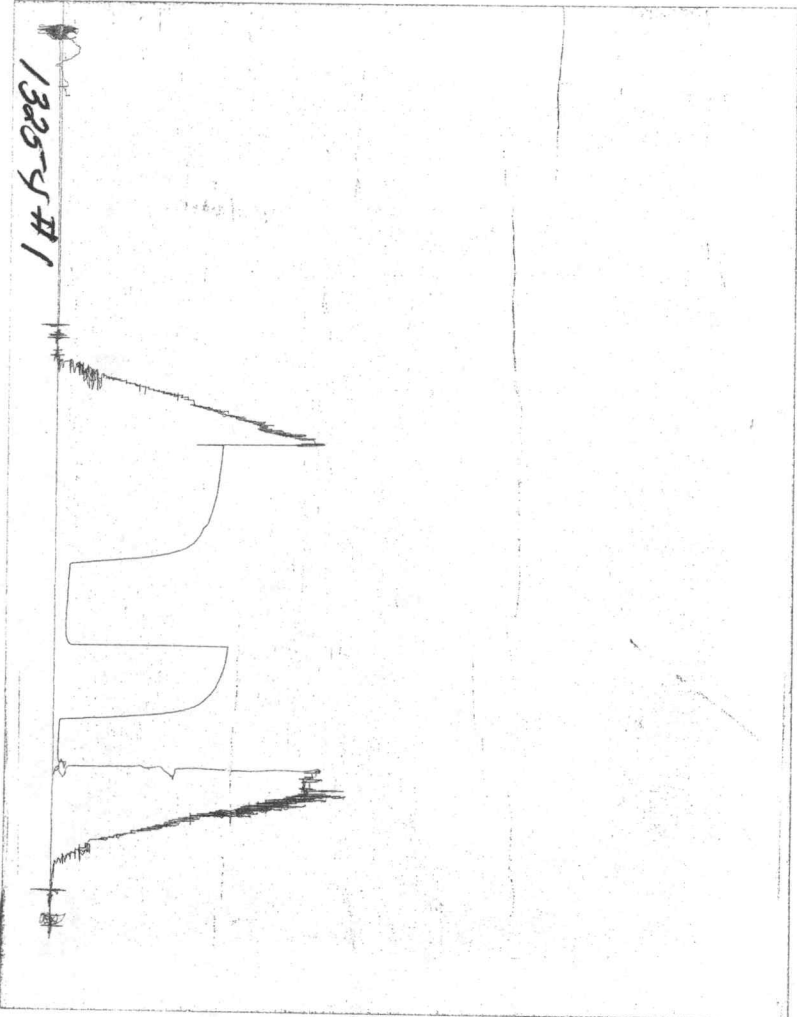
(A) Initial Hydrostatic Mud	AK-1	Alpine	PSI	Recorder No.	Test
(B) First Initial Flow Pressure		<u>12</u>	PSI	(depth) <u>3381</u>	Jars _____
(C) First Final Flow Pressure		<u>34</u>	PSI	Recorder No. <u>13254</u>	Safety Jt. <u>X</u> <u>75</u>
(D) Initial Shut-In Pressure		<u>1093</u>	PSI	(depth) <u>3411</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>39</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>76</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>1043</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1609</u>	PSI	Initial Shut-In <u>60</u>	Shale Packer _____

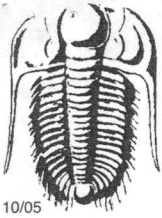
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Approved By Paul Gunzelman
 Our Representative Dan Kangle

Final Flow	<u>60</u>	Ruined Packer	_____
Final Shut-In	<u>90</u>	Mileage <u>242</u>	<u>302.50</u>
T-On Location	<u>07:45</u>	Sub Total:	<u>1377.50</u>
T-Started	<u>08:17</u>	Std. By	_____
T-Open	<u>10:05</u>	Acc. Chg:	_____
T-Pulled	<u>14:05</u>	Other:	_____
T-Out	<u>15:41</u>	Total:	_____

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





TRILOBITE TESTING INC.

No 24759

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. Stapp Farms #1-21 Test No. 2 Date 3-14-06
 Company Murfin Drilg Co. Inc Zone Tested Pellnow/B LKC
 Address _____ Elevation 2550 KB 2545 GL
 Co. Rep / Geo. Paul Gunzelman Rig Murfin # 3
 Location: Sec. 21 Twp. 2 Rge. 26 Co. Decatur State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3432 ————— 3455 Initial Str Wt./Lbs. 70,000 Unseated Str Wt./Lbs. 70,000
 Anchor Length 23 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 100,000
 Top Packer Depth 3427 Tool Weight 2000
 Bottom Packer Depth 3432 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3455 Wt. Pipe Run _____ Drill Collar Run 488
 Mud Wt. 8.9 LCM 1# Vis. 52 WL 6 Drill Pipe Size 4.5xH Ft. Run 2933
 Blow Description F.F. Weak-building to 3" (slid tool 6' to bottom)

F.F. Weak steady surface blow

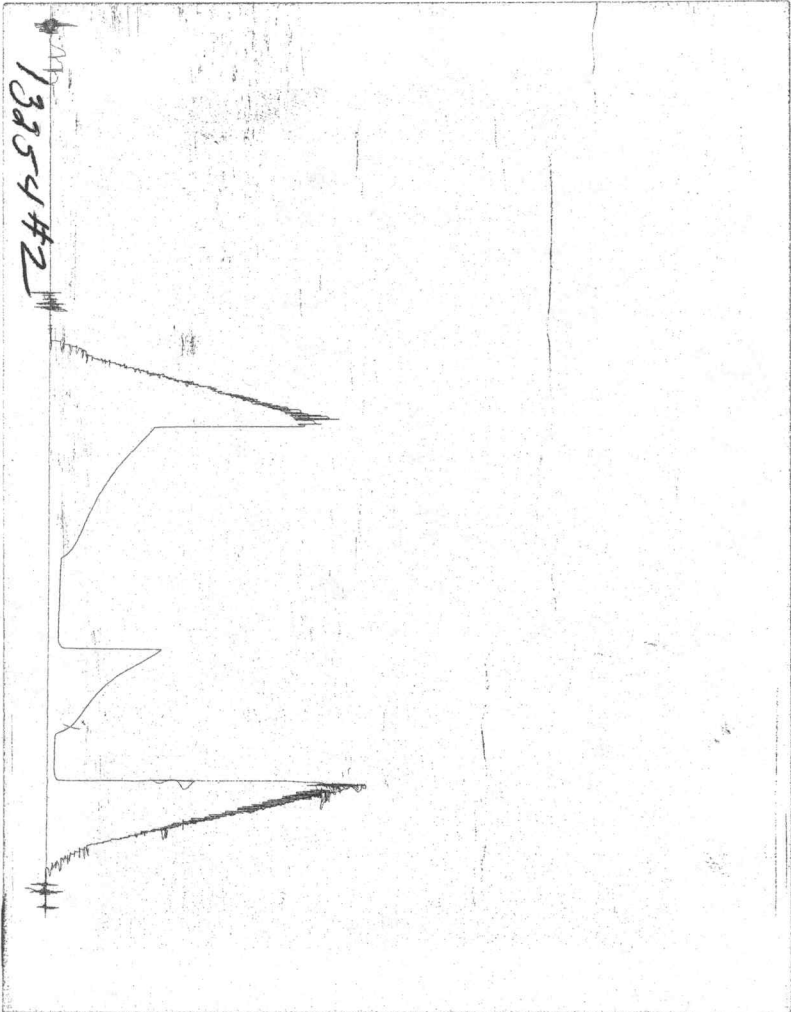
Recovery - Total Feet 130 GIP _____ Ft. in DC 130 Ft. in DP _____
 Rec. 125 Feet of CO %gas _____ %oil _____ %water _____ %mud _____
 Rec. 5 Feet of MCO %gas 80 %oil _____ %water 20 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 99 °F Gravity _____ °API D @ _____ °F Corrected Gravity 36 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 700 ppm System

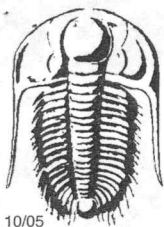
	AK-1	Alpine			
(A) Initial Hydrostatic Mud		<u>1758</u>	PSI	Recorder No. <u>6741</u>	Test <u>1000</u>
(B) First Initial Flow Pressure		<u>18</u>	PSI	(depth) <u>3433</u>	Jars _____
(C) First Final Flow Pressure		<u>34</u>	PSI	Recorder No. <u>13254</u>	Safety Jt. <u>X</u> <u>75</u>
(D) Initial Shut-In Pressure		<u>728</u>	PSI	(depth) <u>3452</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>37</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>64</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>667</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1610</u>	PSI	Initial Shut-In <u>60</u>	Shale Packer _____
				Final Flow <u>60</u>	Ruined Packer _____
				Final Shut-In <u>90</u>	Mileage <u>44</u> <u>55</u>
				T-On Location <u>20:30</u>	Sub Total: <u>1130</u>
				T-Started <u>20:50</u>	Std. By _____
				T-Open <u>22:12</u>	Acc. Chg: _____
				T-Pulled <u>02:12</u>	Other: _____
				T-Out <u>03:47</u>	Total: _____

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Approved By Paul Gunzelman
 Our Representative Dan Kangle

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





TRILOBITE TESTING INC.

No 24760

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. Stapp Farms #1-21 Test No. 3 Date 3-15-06
 Company Murfin Drilg Co. Inc Zone Tested C-D+G LKC
 Address _____ Elevation 2550 KB 2545 GL
 Co. Rep / Geo. Paul Gunzelman Rig Murfin #3
 Location: Sec. 21 Twp. 2 Rge. 26 Co. Decatur State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3452 ————— 3512 Initial Str Wt./Lbs. 72,000 Unseated Str Wt./Lbs. 72,000
 Anchor Length 60 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 109,000
 Top Packer Depth 3447 Tool Weight 2000
 Bottom Packer Depth 3452 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3512 Wt. Pipe Run _____ Drill Collar Run 488
 Mud Wt. 8.9 LCM 1# Vis. 52 WL 6 Drill Pipe Size 4.5x11 Ft. Run 2963
 Blow Description I.F. Weak - building to 2" (slid tool 5' to bottom)

E.F. Weak steady 44" blow

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>1</u> Feet of <u>CO</u>	%gas	%oil	%water
Rec. <u>125</u> Feet of <u>Oil spotted mdy wtr</u>	%gas	%oil	%water
Rec. <u>233</u> Feet of <u>wtr</u>	%gas	%oil	%water
Rec. _____ Feet of _____	%gas	%oil	%water
Rec. _____ Feet of _____	%gas	%oil	%water
BHT <u>102</u> °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API			
RW <u>.13</u> @ <u>75</u> °F Chlorides <u>55,000</u> ppm Recovery _____ Chlorides <u>700</u> ppm System			

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1789</u> PSI	<u>6741</u>	<u>1000</u>
(B) First Initial Flow Pressure	<u>13</u> PSI	(depth) <u>3455</u>	Jars _____
(C) First Final Flow Pressure	<u>84</u> PSI	Recorder No. <u>13254</u>	Safety Jt. <u>X</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>967</u> PSI	(depth) <u>3486</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>91</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>186</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>944</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1646</u> PSI	Initial Shut-In <u>60</u>	Shale Packer _____

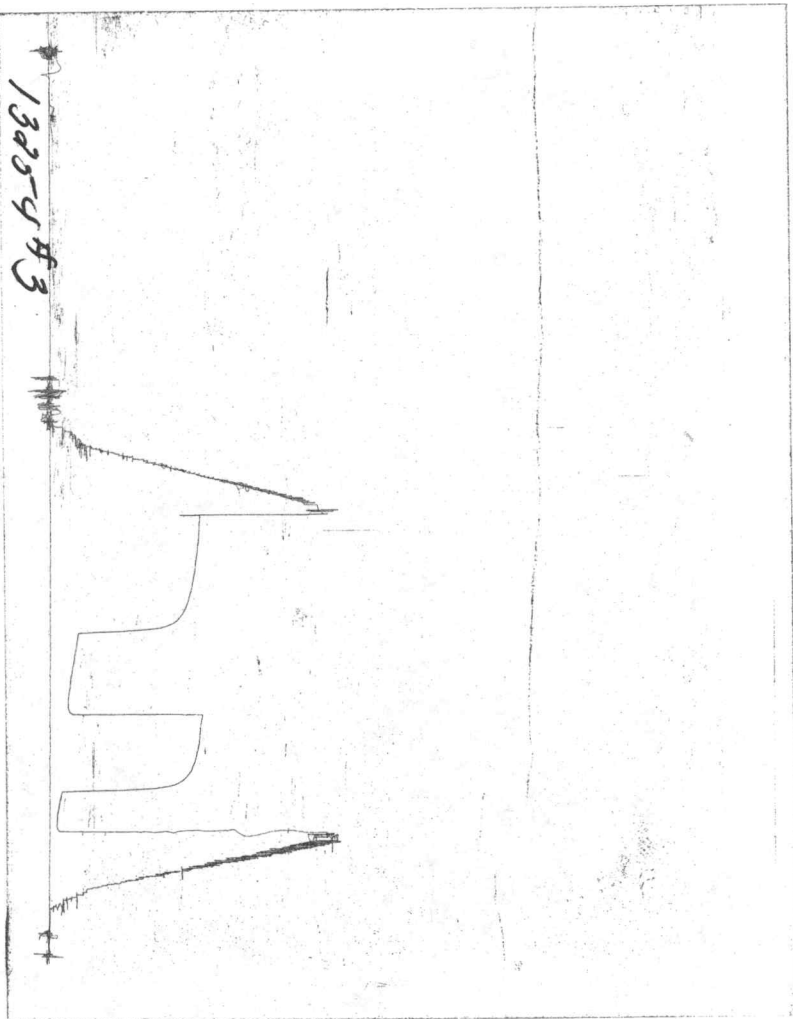
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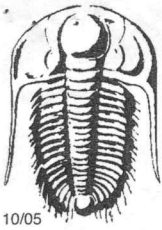
Approved By Paul Gunzelman

Our Representative Dan Kangle

Final Flow	<u>60</u>	Ruined Packer _____
Final Shut-In	<u>90</u>	Mileage <u>44</u> <u>55</u>
T-On Location	<u>11:15</u>	Sub Total: <u>1130</u>
T-Started	<u>11:31</u>	Std. By _____
T-Open	<u>13:05</u>	Acc. Chg: _____
T-Pulled	<u>17:05</u>	Other: _____
T-Out	<u>18:42</u>	Total: _____

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 24761

Test Ticket

Well Name & No. Stapp Farms #1-21 Test No. 4 Date 3-16-06
 Company Murfin Drilg Co Inc Zone Tested H-K LKC
 Address _____ Elevation 2550 KB 2545 GL
 Co. Rep / Geo. Paul Gunzelman Rig Murfin #3
 Location: Sec. 21 Twp. 2 Rge. 26 Co. DECATUR State K5
 Comment: _____ Release date / time: _____

Interval Tested 3511 ————— 3600 Initial Str Wt./Lbs. 72,000 Unseated Str Wt./Lbs. 74,000
 Anchor Length 89 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 100,000
 Top Packer Depth 3506 Tool Weight 2000
 Bottom Packer Depth 3511 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3600 Wt. Pipe Run _____ Drill Collar Run 488
 Mud Wt. 9.1 LCM _____ Vis. 66 WL 5.6 Drill Pipe Size 4.5 XH Ft. Run 3023
 Blow Description I.F. Weak - Died in 20 min.

F.F. Weak. building to 1 1/2"

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>122</u>		<u>122</u>	<u>36</u>
Rec. <u>10</u>	Feet of <u>CO</u>	%gas _____ %oil _____	%water _____ %mud _____
Rec. <u>50</u>	Feet of <u>MCO</u>	%gas <u>70</u> %oil _____	%water <u>30</u> %mud _____
Rec. <u>62</u>	Feet of <u>OCM</u>	%gas <u>30</u> %oil _____	%water <u>70</u> %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>101</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity <u>36</u> °API _____
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery _____	Chlorides <u>1000</u> ppm System _____

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1820</u> PSI	<u>6741</u>	<u>1000</u>
(B) First Initial Flow Pressure		<u>15</u> PSI	(depth) <u>3514</u>	Jars _____
(C) First Final Flow Pressure		<u>48</u> PSI	Recorder No. <u>13254</u>	Safety Jt. <u>X</u> <u>75</u>
(D) Initial Shut-In Pressure		<u>1096</u> PSI	(depth) <u>3575</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>50</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>66</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>1095</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1714</u> PSI	Initial Shut-In <u>60</u>	Shale Packer _____
			Final Flow <u>30</u>	Ruined Packer _____
			Final Shut-In <u>90</u>	Mileage <u>44</u> <u>55</u>
			T-On Location <u>06:45</u>	Sub Total: <u>1130</u>
			T-Started <u>07:23</u>	Std. By _____
			T-Open <u>09:00</u>	Acc. Chg: _____
			T-Pulled <u>12:30</u>	Other: _____
			T-Out <u>14:10</u>	Total: _____

Approved By Paul Gunzelman
 Our Representative Dan Rangle

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CHART PAGE

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