



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

18 14S 16W Ellis KS

Phillip #1-18

Start Date: 2006.12.02 @ 07:43:03

End Date: 2006.12.02 @ 15:18:27

Job Ticket #: 25921 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 Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Phillip #1-18

18 14S 16W Ellis KS

Job Ticket: 25921

DST#: 1

Test Start: 2006.12.02 @ 07:43:03

GENERAL INFORMATION:

Formation: **LKC A,B,C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:53:58

Time Test Ended: 15:18:27

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3133.00 ft (KB) To 3210.00 ft (KB) (TVD)**

Total Depth: 3210.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Poor

Reference Elevations: 1891.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Inside

Press@RunDepth: 156.66 psig @ 3139.01 ft (KB)

Start Date: 2006.12.02

End Date:

2006.12.02

Capacity: 7000.00 psig

Last Calib.: 2006.12.02

Start Time: 07:43:03

End Time:

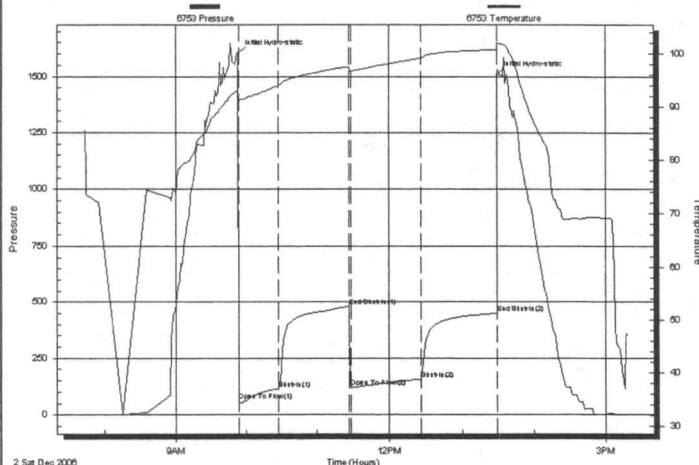
15:18:27

Time On Btm: 2006.12.02 @ 09:53:28

Time Off Btm:

TEST COMMENT: IFF Wk to a gd bl 1/2 " to 8 " bl
FFP Wk bl thru-out 1/4 " to 2 1/4 " bl
Times 30 60 60 60
No bl on shut-in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1599.24	93.16	Initial Hydro-static
1	60.44	91.19	Open To Flow (1)
35	114.04	94.01	Shut-In(1)
94	480.21	97.57	End Shut-In(1)
95	123.07	96.78	Open To Flow (2)
153	156.66	99.13	Shut-In(2)
216	449.19	100.78	End Shut-In(2)
216	1505.94	102.05	Initial Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	OCM 20%O 80%M	0.12
60.00	SOCMW 2%O 30%M 68%W	0.30
60.00	MW 5%M 95%W w/show of Oil	0.30
120.00	Water w/show of Oil	1.36

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Phillip #1-18

18 14S 16W Ellis KS

Job Ticket: 25921

DST#: 1

Test Start: 2006.12.02 @ 07:43:03

Tool Information

Drill Pipe:	Length: 2961.00 ft	Diameter: 3.80 inches	Volume: 41.54 bbl
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl
			Total Volume: 42.43 bbl

Tool Weight:	2200.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	45000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	32000.00 lb
Final	32000.00 lb

Drill Pipe Above KB: 31.00 ft
Depth to Top Packer: 3133.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 77.02 ft
Tool Length: 100.02 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			3111.00	
Shut In Tool	5.00			3116.00	
Hydraulic tool	5.00			3121.00	
Safety Joint	2.00			3123.00	
Packer	5.00			3128.00	23.00 Bottom Of Top Packer
Packer	5.00			3133.00	
Stubb	1.00			3134.00	
Perforations	5.00			3139.00	
Recorder	0.01	6753	Inside	3139.01	
Perforations	5.00			3144.01	
Recorder	0.01	13534	Outside	3144.02	
Blank Spacing	63.00			3207.02	
Bullnose	3.00			3210.02	77.02 Bottom Packers & Anchor

Total Tool Length: 100.02



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Phillip #1-18

250 N Water Ste 300
Wichita KS 67202

18 14S 16W Ellis KS

Job Ticket: 25921

DST#: 1

ATTN: Scott Robinson

Test Start: 2006.12.02 @ 07:43:03

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:

70000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.13 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	OCM 20%O 80%M	0.123
60.00	SOCMW 2%O 30%M 68%W	0.295
60.00	MW 5%M 95%W w/show of Oil	0.295
120.00	Water w/show of Oil	1.364

Total Length: 265.00 ft

Total Volume:

2.077 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

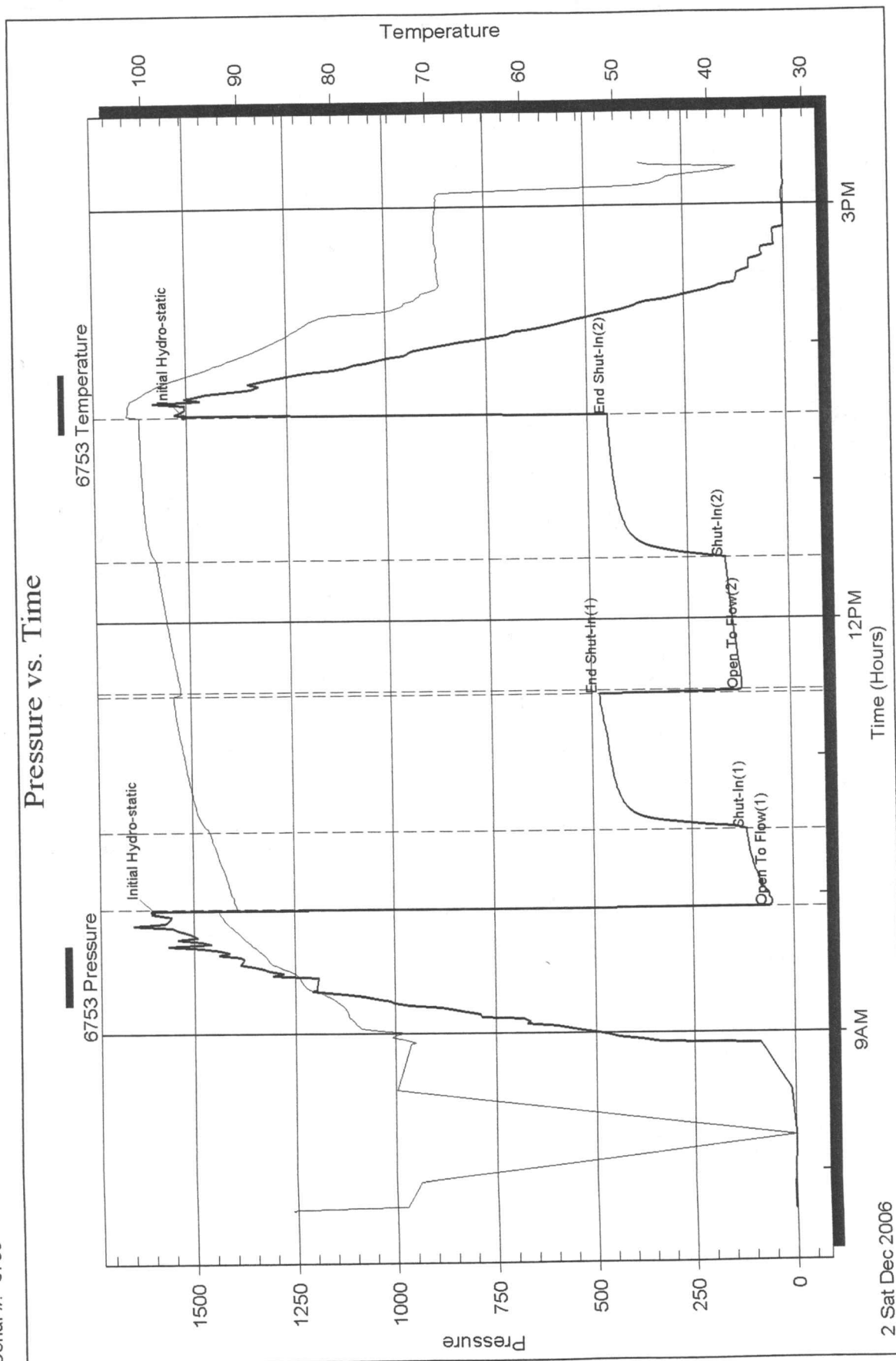
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .13 @ 58F

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

18 14S 16W Ellis KS

Phillip #1-18

Start Date: 2006.12.03 @ 00:14:27

End Date: 2006.12.03 @ 07:40:51

Job Ticket #: 25922 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 Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Phillip #1-18

18 14S 16W Ellis KS

Job Ticket: 25922

DST#: 2

Test Start: 2006.12.03 @ 00:14:27

GENERAL INFORMATION:

Formation: **LKC E,F,G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:59:22

Time Test Ended: 07:40:51

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3207.00 ft (KB) To 3255.00 ft (KB) (TVD)**

Total Depth: 3255.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Poor

Reference Elevations: 1891.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Inside

Press@RunDepth: 132.23 psig @ 3213.01 ft (KB)

Start Date: 2006.12.03

End Date:

2006.12.03

Capacity: 7000.00 psig

Last Calib.: 2006.12.03

Start Time: 00:14:27

End Time:

07:40:51

Time On Btm: 2006.12.03 @ 02:58:52

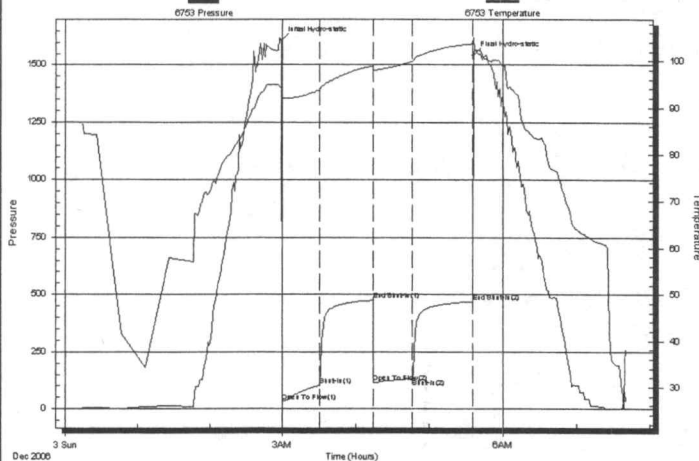
Time Off Btm: 2006.12.03 @ 05:36:21

TEST COMMENT: IFP Surface bl died in 6 min

FFP No bl

Times 30 45 30 45

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1608.84	94.28	Initial Hydro-static
1	30.87	92.06	Open To Flow (1)
32	101.35	93.74	Shut-In(1)
76	474.77	98.92	End Shut-In(1)
76	113.43	98.06	Open To Flow (2)
108	132.23	99.88	Shut-In(2)
157	469.30	103.68	End Shut-In(2)
158	1543.12	105.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MW 20%M 80%W w/show of Oil	0.15
180.00	Water RW .21 @ 52F	1.16

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Phillip #1-18

18 14S 16W Ellis KS

Job Ticket: 25922

DST#: 2

Test Start: 2006.12.03 @ 00:14:27

Tool Information

Drill Pipe:	Length: 3021.00 ft	Diameter: 3.80 inches	Volume: 42.38 bbl
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl
			Total Volume: 43.27 bbl

Tool Weight:	2200.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	45000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	32000.00 lb
Final	32000.00 lb

Drill Pipe Above KB: 17.00 ft
Depth to Top Packer: 3207.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 48.02 ft
Tool Length: 71.02 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			3185.00	
Shut In Tool	5.00			3190.00	
Hydraulic tool	5.00			3195.00	
Safety Joint	2.00			3197.00	
Packer	5.00			3202.00	23.00 Bottom Of Top Packer
Packer	5.00			3207.00	
Stubb	1.00			3208.00	
Perforations	5.00			3213.00	
Recorder	0.01	6753	Inside	3213.01	
Perforations	5.00			3218.01	
Recorder	0.01	13534	Outside	3218.02	
Blank Spacing	32.00			3250.02	
Bullnose	5.00			3255.02	48.02 Bottom Packers & Anchor

Total Tool Length: 71.02



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DRILL STEM TEST REPORT

FLUID SUMMARY

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250 N Water Ste 300
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ATTN: Scott Robinson

Phillip #1-18

18 14S 16W Ellis KS

Job Ticket: 25922

DST#: 2

Test Start: 2006.12.03 @ 00:14:27

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 7.93 in³

Resistivity: ohm.m

Salinity: 8900.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

48000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	MW 20%M 80%W w/show of Oil	0.148
180.00	Water RW .21 @ 52F	1.158

Total Length: 210.00 ft

Total Volume: 1.306 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

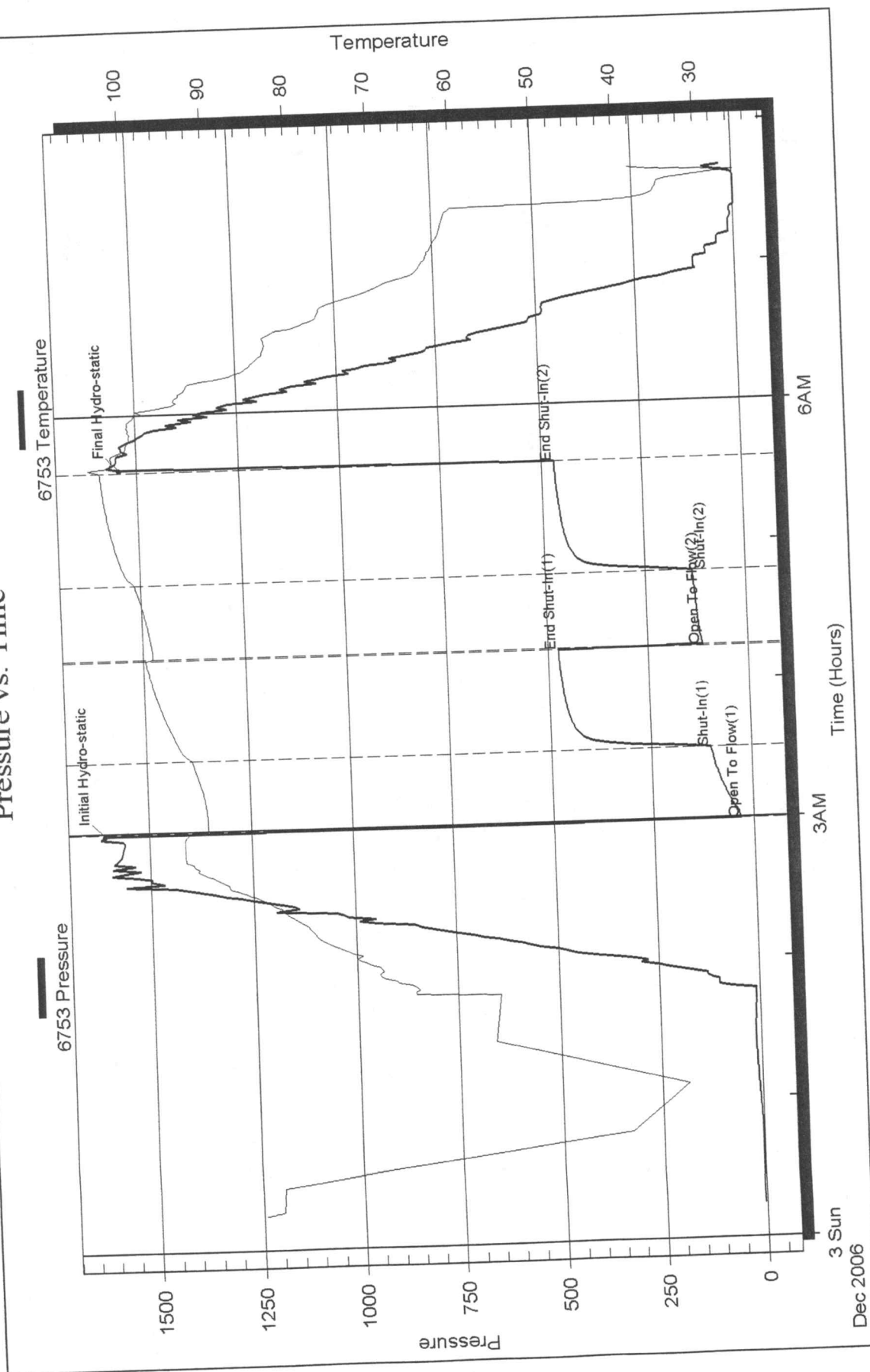
DST Test Number: 2

18 14S 16W Ellis KS

Inside Murfin Drilling Co Inc

Serial #: 6753

Pressure vs. Time



Ref. No: 25922

Trilobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

18 14S 16W Ellis KS

Phillip #1-18

Start Date: 2006.12.03 @ 18:58:38

End Date: 2006.12.04 @ 02:57:02

Job Ticket #: 25923 DST #: 3

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Phillip #1-18

18 14S 16W Ellis KS

Job Ticket: 25923

DST#: 3

Test Start: 2006.12.03 @ 18:58:38

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:08:33

Time Test Ended: 02:57:02

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: 3274.00 ft (KB) To 3380.00 ft (KB) (TVD)

Total Depth: 3380.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Poor

Reference Elevations: 1891.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Inside

Press@RunDepth: 117.64 psig @ 3281.01 ft (KB)

Start Date: 2006.12.03

End Date:

2006.12.04

Capacity: 7000.00 psig

Last Calib.: 2006.12.04

Start Time: 18:58:38

End Time:

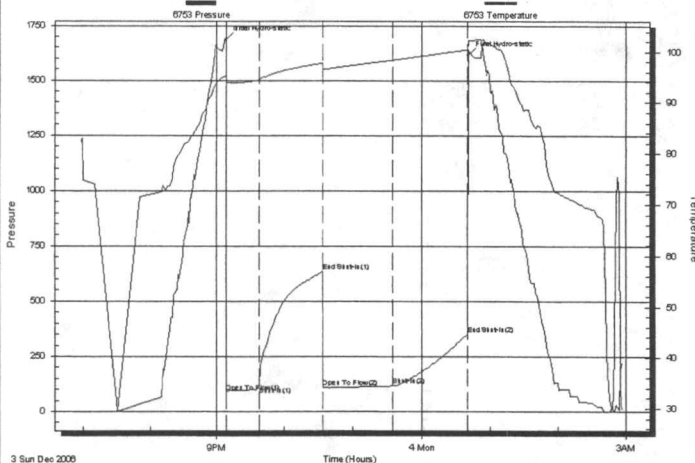
02:57:02

Time On Btm: 2006.12.03 @ 21:08:03

Time Off Btm: 2006.12.04 @ 00:40:02

TEST COMMENT: IFP Wk bl thru-out 3 " to 1/2 " bl
FFP No bl 1st 10 min then surface bl
Times 30 60 60 60
slid tool approx 5' to bottom

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1685.66	95.38	Initial Hydro-static
1	89.00	93.43	Open To Flow (1)
30	113.05	94.42	Shut-In(1)
86	634.92	97.72	End Shut-In(1)
86	109.05	96.57	Open To Flow (2)
147	117.64	98.30	Shut-In(2)
212	352.40	100.42	End Shut-In(2)
212	1615.50	102.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCM 7%O 93%M	0.59

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Phillip #1-18

18 14S 16W Ellis KS

Job Ticket: 25923

DST#: 3

Test Start: 2006.12.03 @ 18:58:38

Tool Information

Drill Pipe:	Length: 3081.00 ft	Diameter: 3.80 inches	Volume: 43.22 bbl
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl
			Total Volume: 44.11 bbl

Tool Weight:	2200.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	50000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	30000.00 lb
Final	30000.00 lb

Drill Pipe Above KB: 10.00 ft
Depth to Top Packer: 3274.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 106.02 ft
Tool Length: 129.02 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			3252.00	
Shut In Tool	5.00			3257.00	
Hydraulic tool	5.00			3262.00	
Safety Joint	2.00			3264.00	
Packer	5.00			3269.00	23.00 Bottom Of Top Packer
Packer	5.00			3274.00	
Stubb	1.00			3275.00	
Perforations	6.00			3281.00	
Recorder	0.01	6753	Inside	3281.01	
Perforations	3.00			3284.01	
Recorder	0.01	13534	Outside	3284.02	
Blank Spacing	93.00			3377.02	
Bullnose	3.00			3380.02	106.02 Bottom Packers & Anchor

Total Tool Length: 129.02



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Phillip #1-18

18 14S 16W Ellis KS

Job Ticket: 25923

DST#: 3

Test Start: 2006.12.03 @ 18:58:38

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.56 in³

Resistivity: ohm.m

Salinity: 9800.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OCM 7%O 93%M	0.590

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

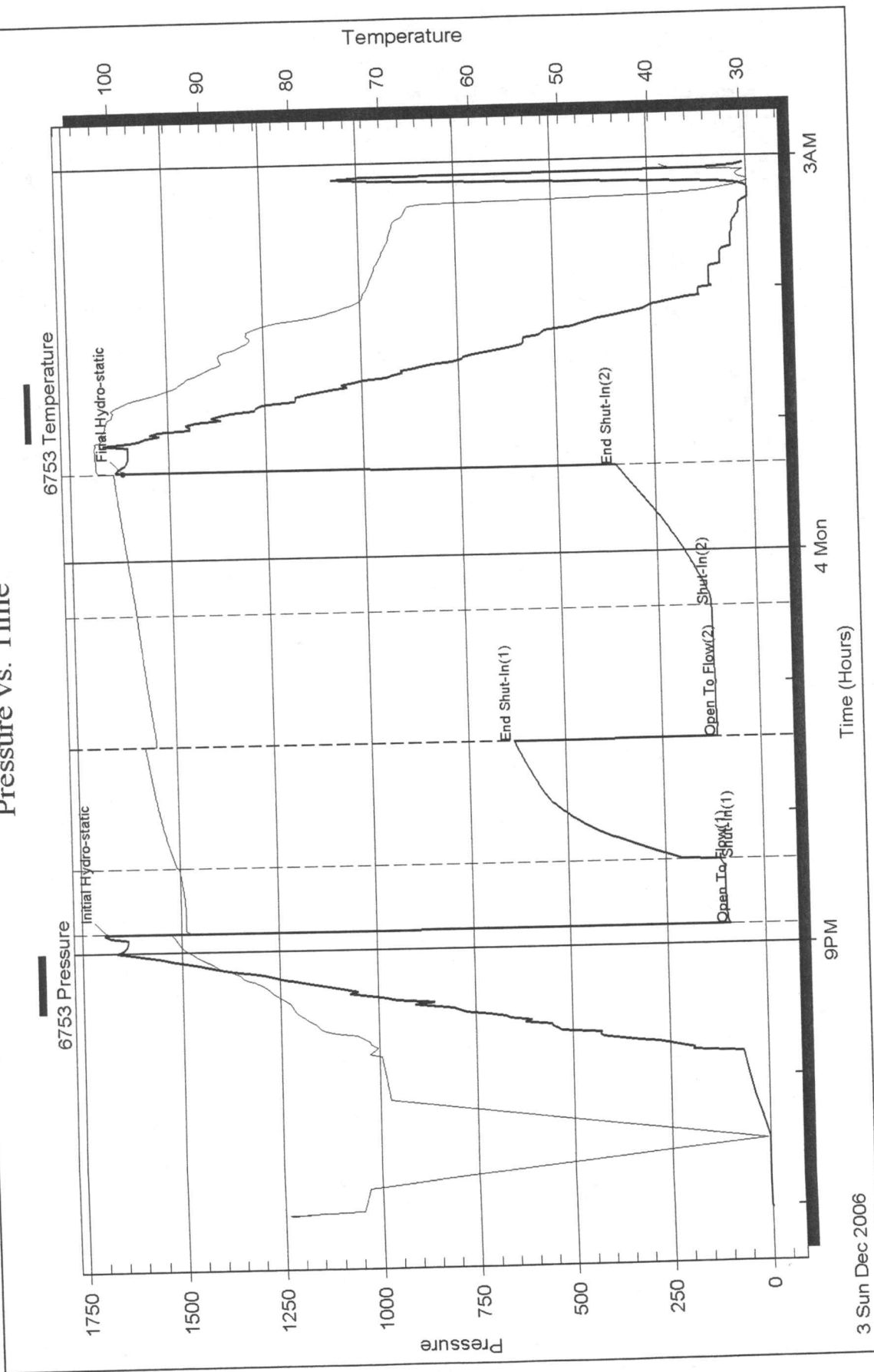
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

18 14S 16W Ellis KS

Phillip #1-18

Start Date: 2006.12.04 @ 10:36:19

End Date: 2006.12.04 @ 18:04:43

Job Ticket #: 25924 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
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DRILL STEM TEST REPORT

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Phillip #1-18

18 14S 16W Ellis KS

Job Ticket: 25924

DST#: 4

Test Start: 2006.12.04 @ 10:36:19

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:59:44

Time Test Ended: 18:04:43

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3374.00 ft (KB) To 3398.00 ft (KB) (TVD)**

Total Depth: 3398.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Poor

Reference Elevations: 1891.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Inside

Press@RunDepth: 147.69 psig @ 3375.01 ft (KB)

Start Date: 2006.12.04

End Date:

2006.12.04

Capacity: 7000.00 psig

Last Calib.: 2006.12.04

Start Time: 10:36:19

End Time:

18:04:43

Time On Btm: 2006.12.04 @ 12:59:14

Time Off Btm: 2006.12.04 @ 16:00:43

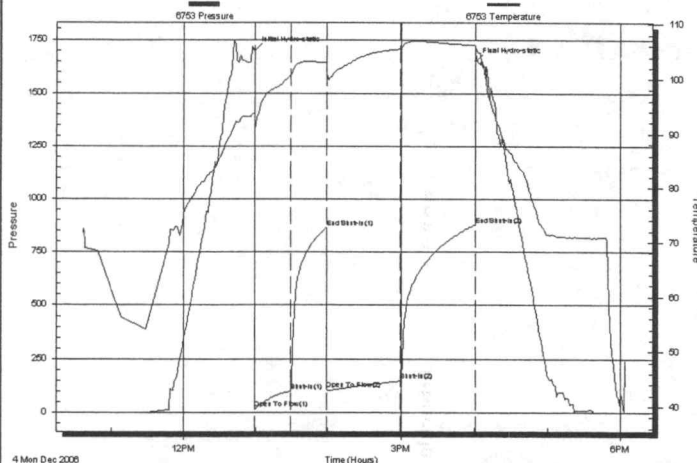
TEST COMMENT: IFP Wk to strg in 27 min

FFP Wk to a gd bl 1/2 " to 8 " bl

Times 30 30 60 60

Surface bl bk on shut-ins

Pressure vs. Time



PRESSURE SUMMARY

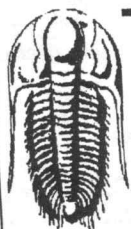
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1698.87	93.71	Initial Hydro-static
1	16.74	91.11	Open To Flow (1)
31	98.28	100.67	Shut-In (1)
60	865.67	102.94	End Shut-In (1)
61	106.85	101.08	Open To Flow (2)
121	147.69	105.47	Shut-In (2)
181	878.81	106.11	End Shut-In (2)
182	1650.02	105.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	HOCM 40%M 60%O	0.64
215.00	CO	2.56

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Phillip #1-18

18 14S 16W Ellis KS

Job Ticket: 25924

DST#: 4

Test Start: 2006.12.04 @ 10:36:19

Tool Information

Drill Pipe:	Length: 3173.00 ft	Diameter: 3.80 inches	Volume: 44.51 bbl
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl
			<u>Total Volume: 45.40 bbl</u>

Tool Weight:	2200.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	45000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	32000.00 lb
Final	34000.00 lb

Drill Pipe Above KB: 28.00 ft
Depth to Top Packer: 3374.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 24.02 ft
Tool Length: 73.02 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			3326.00	
Shut In Tool	5.00			3331.00	
Blank Spacing	26.00			3357.00	
Hydraulic tool	5.00			3362.00	
Safety Joint	2.00			3364.00	
Packer	5.00			3369.00	49.00 Bottom Of Top Packer
Packer	5.00			3374.00	
Stubb	1.00			3375.00	
Recorder	0.01	6753	Inside	3375.01	
Perforations	20.00			3395.01	
Recorder	0.01	13534	Outside	3395.02	
Bullnose	3.00			3398.02	24.02 Bottom Packers & Anchor

Total Tool Length: 73.02



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Phillip #1-18

250 N Water Ste 300
Wichita KS 67202

18 14S 16W Ellis KS

Job Ticket: 25924

DST#: 4

ATTN: Scott Robinson

Test Start: 2006.12.04 @ 10:36:19

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 11700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	HOCM 40%M 60%O	0.639
215.00	CO	2.560

Total Length: 345.00 ft

Total Volume: 3.199 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

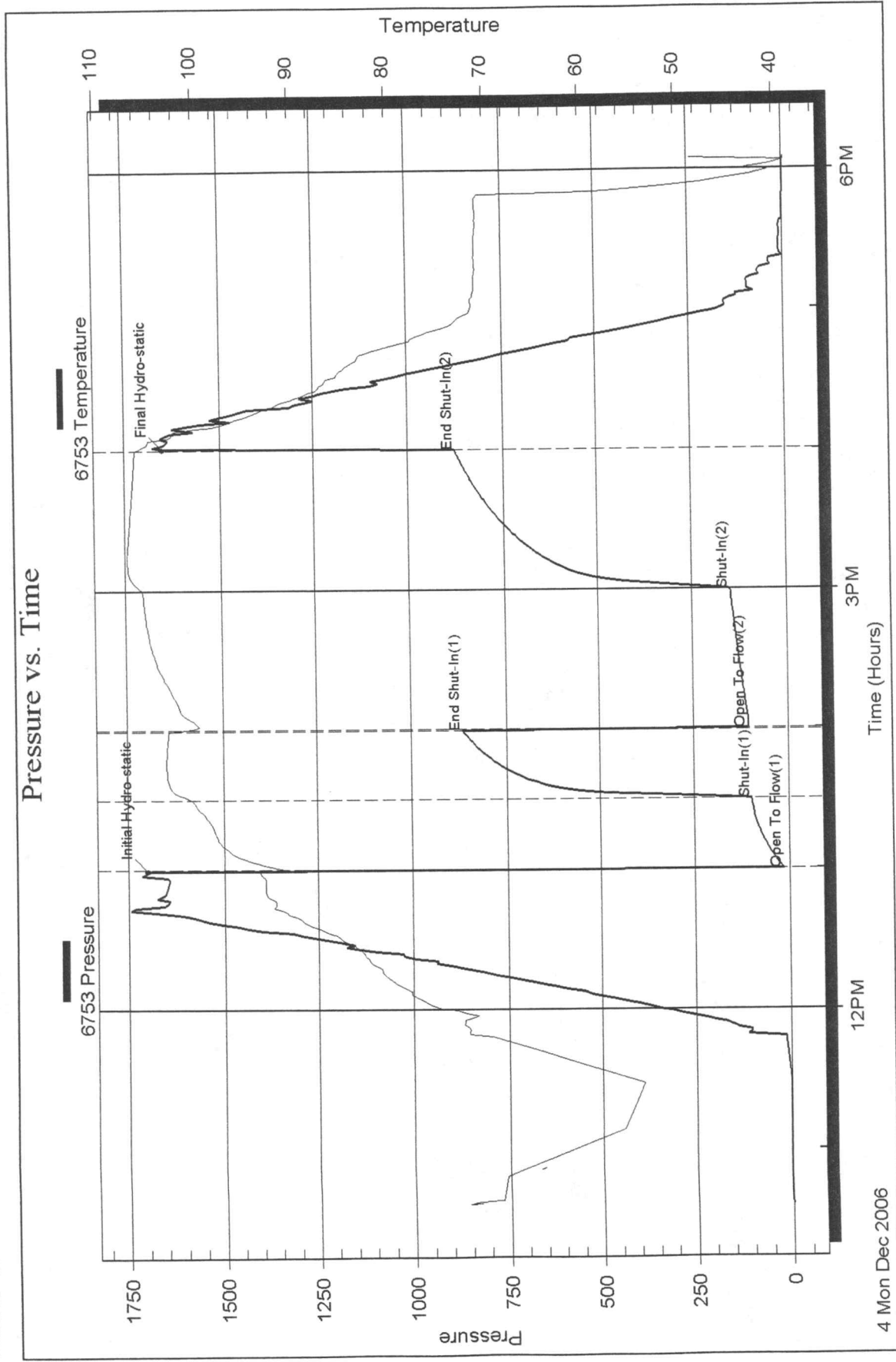
Serial #:

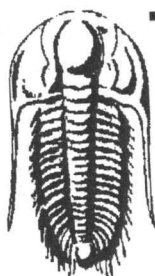
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

18 14S 16W Ellis KS

Phillip #1-18

Start Date: 2006.12.05 @ 01:14:58

End Date: 2006.12.05 @ 09:15:52

Job Ticket #: 25925 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Phillip #1-18

18 14S 16W Ellis KS

Job Ticket: 25925

DST#: 5

Test Start: 2006.12.05 @ 01:14:58

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:44:23

Time Test Ended: 09:15:52

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3399.00 ft (KB) To 3408.00 ft (KB) (TVD)**

Total Depth: 3408.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Poor

Reference Elevations: 1891.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Inside

Press@RunDepth: 354.60 psig @ 3400.01 ft (KB)

Start Date: 2006.12.05

End Date:

2006.12.05

Capacity: 7000.00 psig

Last Calib.: 2006.12.05

Start Time: 01:14:58

End Time:

09:15:52

Time On Btm: 2006.12.05 @ 03:43:53

Time Off Btm: 2006.12.05 @ 07:02:22

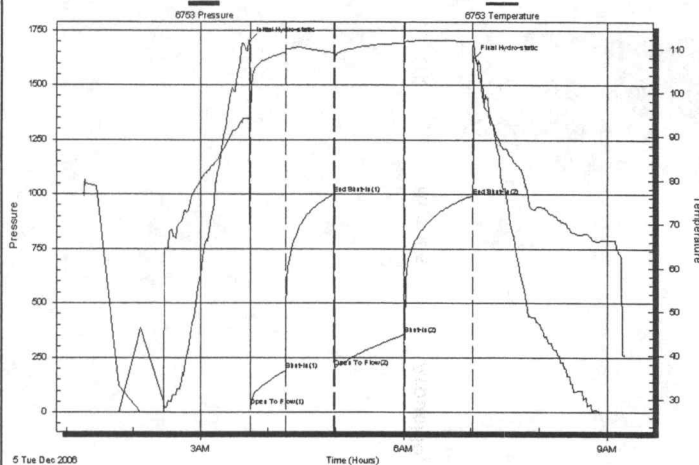
TEST COMMENT: IFP Strg bl in 5 min

FFP Wk to strg in 30 min

Times 30 45 60 60

ISIP Surface bl bk FSIP Surface bl bk

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1699.07	93.46	Initial Hydro-static
1	28.06	94.17	Open To Flow (1)
32	190.21	109.08	Shut-In (1)
74	998.59	109.08	End Shut-In (1)
75	203.02	107.77	Open To Flow (2)
137	354.60	111.23	Shut-In (2)
198	993.34	111.71	End Shut-In (2)
199	1621.06	111.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Water RW .21 @ 59F	0.59
150.00	SOCW 1%O 99%W	1.56
530.00	CO	7.43

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Phillip #1-18

18 14S 16W Ellis KS

Job Ticket: 25925

DST#: 5

Test Start: 2006.12.05 @ 01:14:58

Tool Information

Drill Pipe:	Length: 3201.00 ft	Diameter: 3.80 inches	Volume: 44.90 bbl	Tool Weight:	2200.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	45000.00 lb
		Total Volume:	45.79 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	32000.00 lb
Depth to Top Packer:	3399.00 ft			Final	34000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	9.02 ft				
Tool Length:	32.02 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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Change Over Sub	1.00			3377.00	
Shut In Tool	5.00			3382.00	
Hydraulic tool	5.00			3387.00	
Safety Joint	2.00			3389.00	
Packer	5.00			3394.00	23.00 Bottom Of Top Packer
Packer	5.00			3399.00	
Stubb	1.00			3400.00	
Recorder	0.01	6753	Inside	3400.01	
Perforations	5.00			3405.01	
Recorder	0.01	13534	Outside	3405.02	
Bullnose	3.00			3408.02	9.02 Bottom Packers & Anchor

Total Tool Length: 32.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Phillip #1-18

250 N Water Ste 300
Wichita KS 67202

18 14S 16W Ellis KS

Job Ticket: 25925

DST#: 5

ATTN: Scott Robinson

Test Start: 2006.12.05 @ 01:14:58

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 11700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Water RW .21 @ 59F	0.590
150.00	SOCW 1%O 99%W	1.558
530.00	CO	7.435

Total Length: 800.00 ft

Total Volume: 9.583 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 5

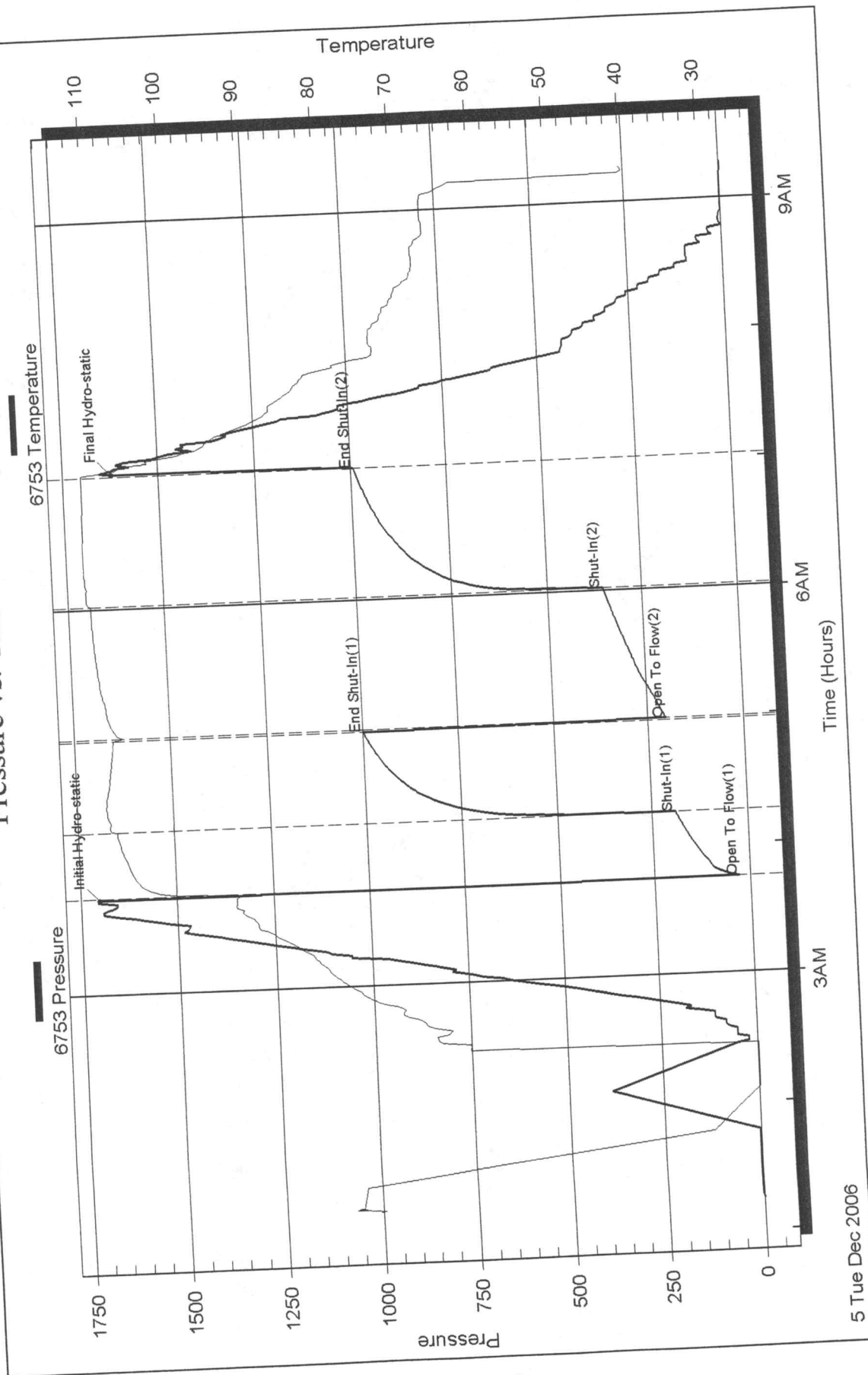
18 14S 16W Ellis KS

Murfin Drilling Co Inc

Inside

Serial #: 6753

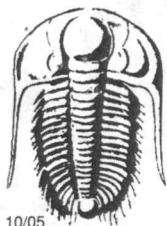
Pressure vs. Time



5 Tue Dec 2006

Ref. No: 25925

Trilobite Testing, Inc



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25921

9594

Test Ticket

Well Name & No. Phillip #1-18 Test No. 1 Date 12-2-06
 Company Murfin Drilling Co Inc Zone Tested LKC
 Address 250 N. WATER, STE 300 WICHITA, KS 67202 Elevation 1891 KB 1886 GL
 Co. Rep / Geo. TERRY McLeod Rig MURFIN rig 8
 Location: Sec. 18 Twp. 14^s Rge. 16^w Co. ELLIS State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3133-3210 Initial Str Wt./Lbs. 32000 Unseated Str Wt./Lbs. 32000
 Anchor Length 77 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 45000
 Top Packer Depth 3128 Tool Weight 2200
 Bottom Packer Depth 3133 Hole Size 7 7/8" _____ Rubber Size 6 3/4" _____
 Total Depth 3210 Wt. Pipe Run _____ Drill Collar Run 180
 Mud Wt. 9.3 LCM _____ Vis. 60 WL 7.2 Drill Pipe Size 4 1/2 X H Ft. Run 2961
 Blow Description IFP-WEAK TO A GOOD BLOW 1/2" TO 8" BLOW
FFP-WEAK BLOW THRU-OUT 1/4" TO 2 1/4" BLOW
NO BLOW ON SHUT-IN

Recovery - Total Feet 265 GIP _____ Ft. in DC 180 Ft. in DP 85
 Rec. 25 Feet of OCM %gas _____ %oil _____ %water 80 %mud _____
 Rec. 60 Feet of 50CRMW %gas 2 %oil 68 %water 30 %mud _____
 Rec. 60 Feet of MW w/show of oil %gas _____ %oil 95 %water 5 %mud _____
 Rec. 120 Feet of WATER w/show of oil %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 101 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .13 @ 58 °F Chlorides 70000 ppm Recovery _____ Chlorides 6800 ppm System

AK-1	Alpine	Recorder No.	<u>6753</u>	Test	<u>✓</u>	<u>1100</u>
(A) Initial Hydrostatic Mud	<u>1557</u> PSI	(depth)	<u>3139</u>	Jars		
(B) First Initial Flow Pressure	<u>60</u> PSI	Recorder No.	<u>13534</u>	Safety Jt.	<u>✓</u>	<u>75</u>
(C) First Final Flow Pressure	<u>114</u> PSI	(depth)	<u>3144</u>	Circ Sub		
(D) Initial Shut-In Pressure	<u>480</u> PSI	Recorder No.	<u>-</u>	Sampler		
(E) Second Initial Flow Pressure	<u>123</u> PSI	(depth)	<u>-</u>	Straddle		
(F) Second Final Flow Pressure	<u>156</u> PSI	Initial Opening	<u>30</u>	Ext. Packer		
(G) Final Shut-In Pressure	<u>449</u> PSI	Initial Shut-In	<u>60</u>	Shale Packer		
(Q) Final Hydrostatic Mud	<u>1503</u> PSI	Final Flow	<u>60</u>	Ruined Packer		
		Final Shut-In	<u>60</u>	Mileage	<u>✓</u>	<u>22 RT 27.5</u>
		T-On Location	<u>0400</u>	Sub Total:		
		T-Started	<u>0842</u>	Std. By	<u>3.25</u>	<u>325</u>
		T-Open	<u>1000</u>	Acc. Chg:		
		T-Pulled	<u>1330</u>	Other:		
		T-Out	<u>1518</u>	Total:		<u>1527.5</u>

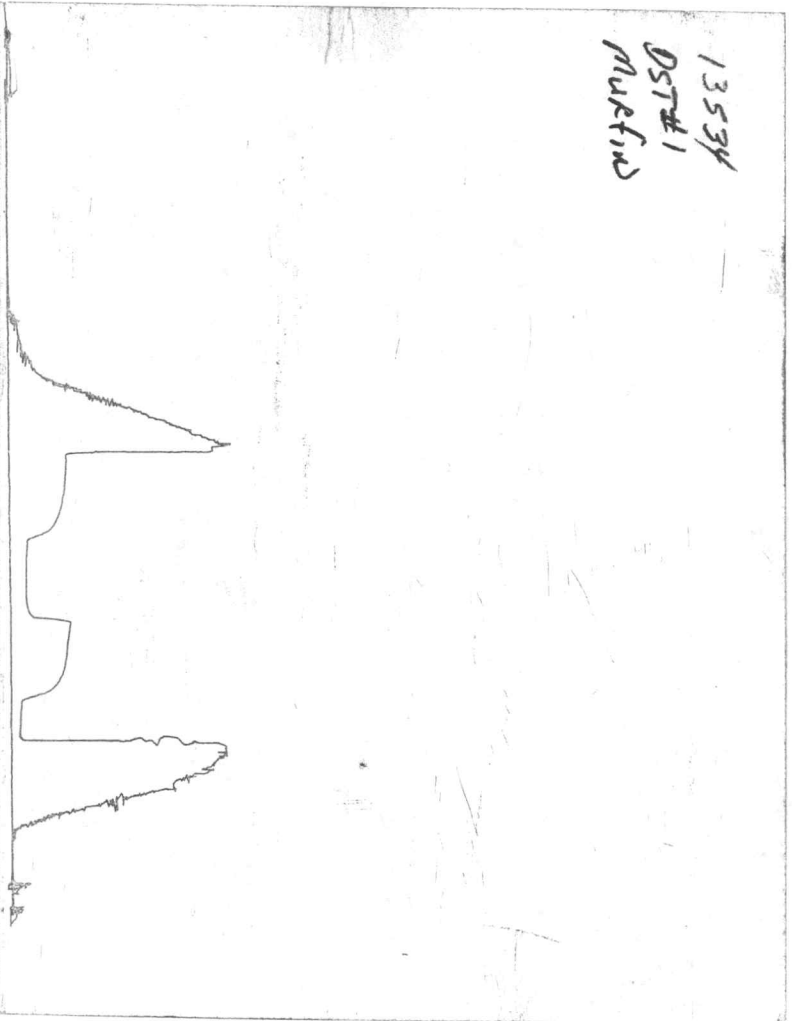
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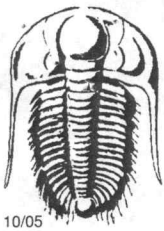
Approved By Jay L. M. Lued
 Our Representative RAY Schwager Thank you

CHART PAGE

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

13534
DST#1
MURFIN





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25922

Test Ticket

Well Name & No. Phillip #1-18 Test No. 2 Date 12-2-06
 Company Murfin Drilling Co Inc Zone Tested LKC E,F,G
 Address 250 N. WATER, STE 300 WICHITA, Ks 67202 Elevation 1891 KB 1886 GL
 Co. Rep / Geo. Terry McLead Rig Murfin 8
 Location: Sec. 18 Twp. 14^s Rge. 16^w Co. ELLIS State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3207-3255 Initial Str Wt./Lbs. 32000 Unseated Str Wt./Lbs. 32000
 Anchor Length 48 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 45000
 Top Packer Depth 3202 Tool Weight 2200
 Bottom Packer Depth 3207 Hole Size 7 7/8" — Rubber Size 6 3/4" —
 Total Depth 3255 Wt. Pipe Run — Drill Collar Run 180
 Mud Wt. 9.3 LCM — Vis. 60 WL 8 Drill Pipe Size 4 1/2 XH Ft. Run 3021
 Blow Description IFP - SURFACE Blow died in 6 min
FFP - NO Blow

Recovery - Total Feet 210 GIP — Ft. in DC 180 Ft. in DP 30
 Rec. 30 Feet of MW w/show of oil %gas — %oil 80 %water 20 %mud
 Rec. 180 Feet of WATER %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 104 °F Gravity — °API D @ — °F Corrected Gravity — °API
 RW .21 @ 52 °F Chlorides 48000 ppm Recovery — Chlorides 8900 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1562	PSI	Recorder No.	6753	Test	✓	1100
(B) First Initial Flow Pressure			30	PSI	(depth)	3213	Jars		
(C) First Final Flow Pressure			101	PSI	Recorder No.	13534	Safety Jtr	✓	75
(D) Initial Shut-In Pressure			474	PSI	(depth)	3218	Circ Sub		
(E) Second Initial Flow Pressure			113	PSI	Recorder No.	—	Sampler		
(F) Second Final Flow Pressure			132	PSI	(depth)	—	Straddle		
(G) Final Shut-In Pressure			469	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			1549	PSI	Initial Shut-In	45	Shale Packer		

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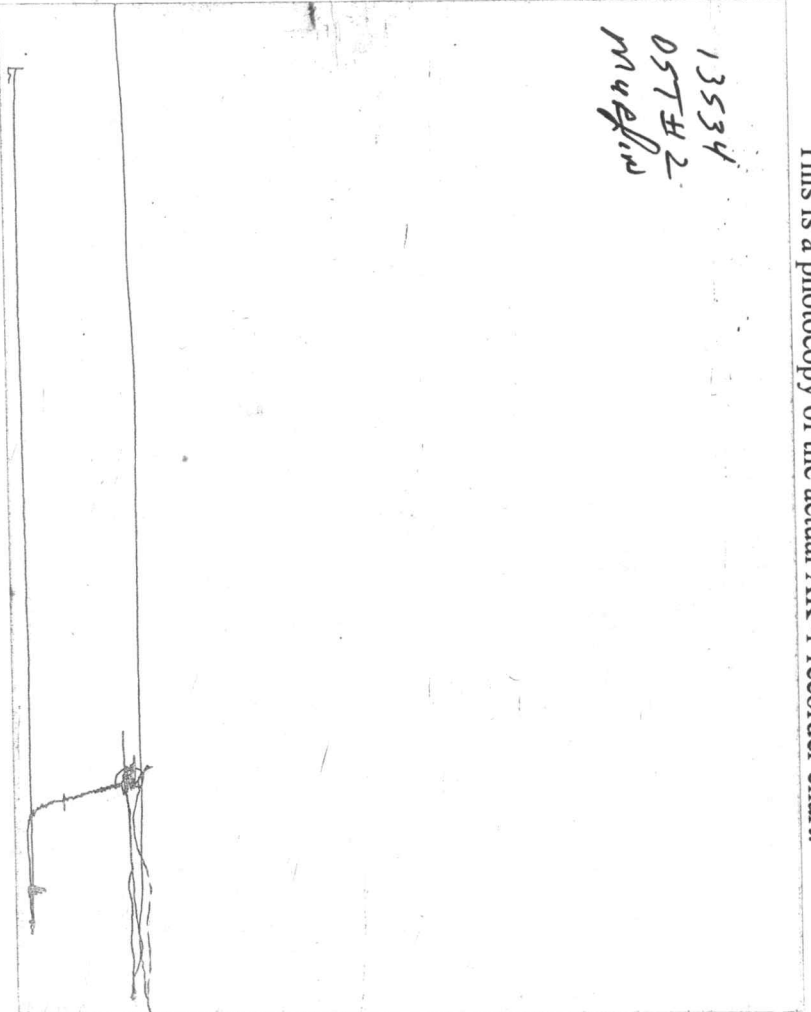
Approved By Jerry McLead
 Our Representative Ray Schwager THANK YOU

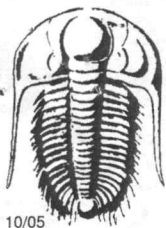
Final Flow 30
 Final Shut-In 45
 T-On Location 2230
 T-Started 0014
 T-Open 0300
 T-Pulled 0530
 T-Out 0740
 Test ✓
 Jars —
 Safety Jtr ✓
 Circ Sub —
 Sampler —
 Straddle —
 Ext. Packer —
 Shale Packer —
 Ruined Packer —
 Mileage ✓ 22 RT 27.50
 Sub Total: —
 Std. By 1.25 125
 Acc. Chg: —
 Other: —
 Total: \$1327.50

CHART PAGE

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

13534
OST #2
muglin





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25923

Test Ticket

Well Name & No. Phillip # 1-18 Test No. 3 Date 12-3-06
 Company MURFIN DRILLING Co. INC Zone Tested LKC
 Address 250 N. WATER, STE 300 WICHITA, KS 67202 Elevation 1891 KB 1886 GL
 Co. Rep / Geo. TERRY McLeod Rig MURFIN 8
 Location: Sec. 18 Twp. 14^s Rge. 16^w Co. ELLIS State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3274-3380 Initial Str Wt./Lbs. 36000 Unseated Str Wt./Lbs. 30000
 Anchor Length 106 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 50000
 Top Packer Depth 3269 Tool Weight 2200
 Bottom Packer Depth 3274 Hole Size 7 7/8" — Rubber Size 6 3/4" —
 Total Depth 3380 Wt. Pipe Run — Drill Collar Run 180
 Mud Wt. 9.1 LCM — Vis. 51 WL 7.6 Drill Pipe Size 4 1/2 X H Ft. Run 3081
 Blow Description IFP - WEAK BLOW thru-out 3" decreased to 1/2" Blow
FFP - NO BLOW 1st 10 min then surface blow
SLID TOOL APPROX 5' TO BOTTOM

Recovery - Total Feet 120 GIP — Ft. in DC 120 Ft. in DP —
 Rec. 120 Feet of OCM %gas 7 %oil — %water 93 %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 100 °F Gravity — °API D @ _____ °F Corrected Gravity _____ °API
 RW — @ — °F Chlorides — ppm Recovery _____ Chlorides 9800 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1634	PSI	Recorder No.	6753	Test	✓	1100
(B) First Initial Flow Pressure			89	PSI	(depth)	3281	Jars		
(C) First Final Flow Pressure			113	PSI	Recorder No.	13534	Safety Jt.	✓	75
(D) Initial Shut-In Pressure			634	PSI	(depth)	3284	Circ Sub		
(E) Second Initial Flow Pressure			109	PSI	Recorder No.	—	Sampler		
(F) Second Final Flow Pressure			117	PSI	(depth)	—	Straddle		
(G) Final Shut-In Pressure			352	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			1603	PSI	Initial Shut-In	60	Shale Packer		

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Approved By Ray Schwager

Our Representative RAY SCHWAGER Thank you

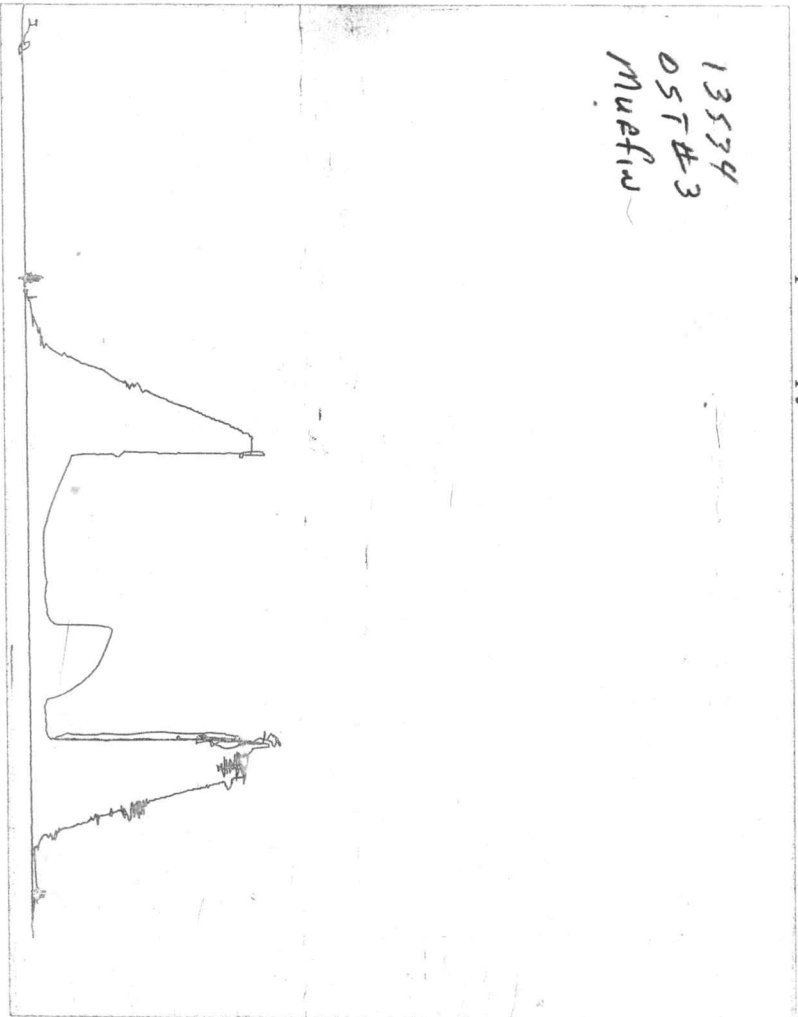
Final Flow 60
 Final Shut-In 60
 T-On Location 1745
 T-Started 1858
 T-Open 2105
 T-Pulled 0035
 T-Out 0257

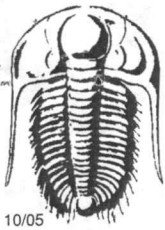
Sub Total: _____
 Std. By 125 125
 Acc. Chg: _____
 Other: _____
 Total: 1327.50

CHART PAGE

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

13534
OST#3
Muefin





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25924

Test Ticket

Well Name & No. <u>Phillip #1-18</u>	Test No. <u>4</u>	Date <u>12-4-06</u>
Company <u>Murfin Drilling Co Inc</u>	Zone Tested <u>Arbuckle</u>	
Address <u>250 N. WATER, STE 300 WICH, TA, KS 67202</u>	Elevation <u>1891</u>	KB <u>1886</u> GL
Co. Rep / Geo. <u>Terry McLeod</u>	Rig <u>Murfin 8</u>	
Location: Sec. <u>18</u> Twp. <u>14^s</u> Rge. <u>16^w</u>	Co. <u>ELLIS</u>	State <u>Ks</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3374-3398</u>	Initial Str Wt./Lbs. <u>32000</u>	Unseated Str Wt./Lbs. <u>34000</u>
Anchor Length <u>24</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>45000</u>
Top Packer Depth <u>3369</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3374</u>	Hole Size 7 7/8" <u>—</u>	Rubber Size 6 3/4" <u>—</u>
Total Depth <u>3398</u>	Wt. Pipe Run <u>—</u>	Drill Collar Run <u>180</u>
Mud Wt. <u>9.3</u> LCM <u>2^{II}</u> Vis. <u>48</u> WL <u>8.4</u>	Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>3173</u>
Blow Description <u>IFP - WEAK TO STRONG IN 27 min</u> <u>FFP - WEAK TO A GOOD BLOW 1/2" TO 8" BLOW</u> <u>SURFACE BLOW BACK ON SHUT-IN'S</u>		

Recovery - Total Feet <u>345</u>	GIP <u>—</u>	Ft. in DC <u>180</u>	Ft. in DP <u>165</u>
Rec. <u>215</u>	Feet of <u>CO</u>	%gas <u>40</u>	%oil <u>—</u> %water <u>60</u> %mud <u>—</u>
Rec. <u>130</u>	Feet of <u>HOCM</u>	%gas <u>✓</u>	%oil <u>—</u> %water <u>✓</u> %mud <u>—</u>
Rec. <u>—</u>	Feet of <u>—</u>	%gas <u>—</u>	%oil <u>—</u> %water <u>—</u> %mud <u>—</u>
Rec. <u>—</u>	Feet of <u>—</u>	%gas <u>—</u>	%oil <u>—</u> %water <u>—</u> %mud <u>—</u>
Rec. <u>—</u>	Feet of <u>—</u>	%gas <u>—</u>	%oil <u>—</u> %water <u>—</u> %mud <u>—</u>
BHT <u>106</u>	°F Gravity <u>32</u>	°API D @ <u>60</u>	°F Corrected Gravity <u>32</u> °API <u>—</u>
RW <u>—</u> @ <u>—</u> °F	Chlorides <u>—</u> ppm	Recovery <u>—</u>	Chlorides <u>11700</u> ppm System

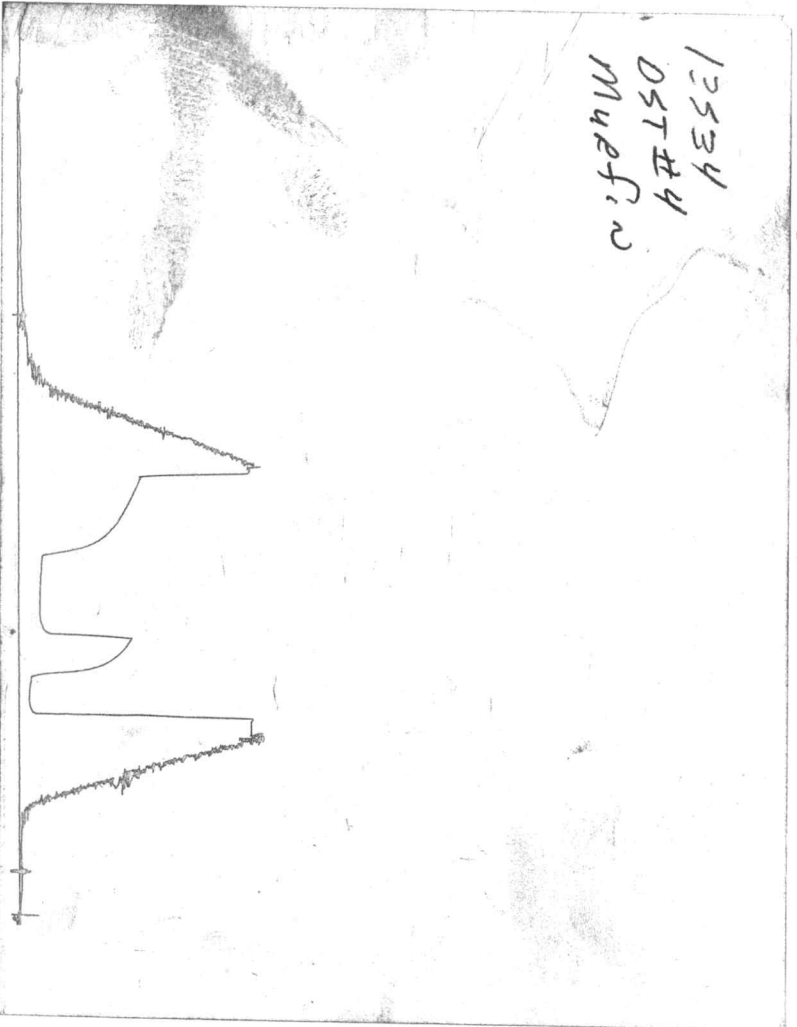
(A) Initial Hydrostatic Mud	AK-1 <u>Alpine</u> <u>1644</u> PSI	Recorder No. <u>6753</u>	Test <u>✓</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>17</u> PSI	(depth) <u>3375</u>	Jars <u>—</u>
(C) First Final Flow Pressure	<u>98</u> PSI	Recorder No. <u>13534</u>	Safety Jt. <u>✓</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>865</u> PSI	(depth) <u>3395</u>	Circ Sub <u>—</u>
(E) Second Initial Flow Pressure	<u>106</u> PSI	Recorder No. <u>—</u>	Sampler <u>—</u>
(F) Second Final Flow Pressure	<u>147</u> PSI	(depth) <u>—</u>	Straddle <u>—</u>
(G) Final Shut-In Pressure	<u>878</u> PSI	Initial Opening <u>30</u>	Ext. Packer <u>—</u>
(Q) Final Hydrostatic Mud	<u>1638</u> PSI	Initial Shut-In <u>30</u>	Shale Packer <u>—</u>

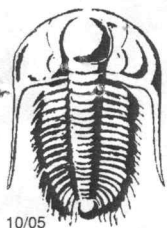
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Approved By <u>Jay A. McLeod</u>	T-Started <u>1036</u>	T-Open <u>1304</u>	T-Pulled <u>1604</u>	T-Out <u>1804</u>
Our Representative <u>Ray Schwager</u>	Thank you			
Total: <u>\$1202.50</u>				
Lelemetra Tool				

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25925

Test Ticket

Well Name & No. Phillip #1-18 Test No. 5 Date 12-5-06
 Company Murfin Drilling Co. Inc Zone Tested Arbuckle
 Address 250 N. WATER, Ste 300 WICHITA, Ks 67202 Elevation 1891 KB 1886 GL
 Co. Rep / Geo. Terry McLeod Rig Murfin 8
 Location: Sec. 18 Twp. 14^s Rge. 16^w Co. Ellis State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3399-3408 Initial Str Wt./Lbs. 32000 Unseated Str Wt./Lbs. 34000
 Anchor Length 9 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 45000
 Top Packer Depth 3394 Tool Weight 2200
 Bottom Packer Depth 3399 Hole Size 7 7/8" — Rubber Size 6 3/4" —
 Total Depth 3408 Wt. Pipe Run — Drill Collar Run 180
 Mud Wt. 9.3 LCM 2th Vis. 48 WL 8.4 Drill Pipe Size 4 1/2 XH Ft. Run 3201
 Blow Description IFP - STRONG BLOW IN 5 min
FFP - WEAK TO STRONG IN 30 min
ISIP - SURFACE BLOW BACK
FSIP - SURFACE BLOW BACK

Recovery - Total Feet 800 GIP — Ft. in DC 180 Ft. in DP 620
 Rec. 530 Feet of CO %gas %oil %water %mud
 Rec. 150 Feet of SOCW %gas 1 %oil 99 %water %mud
 Rec. 120 Feet of WATER %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 112 °F Gravity 31 °API D @ 60 °F Corrected Gravity 31 °API
 RW .21 @ 69 °F Chlorides 32000 ppm Recovery _____ Chlorides 11700 ppm System

(A) Initial Hydrostatic Mud	Alpine	Recorder No.	Test
	<u>1654</u> PSI	<u>6753</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>15</u> <u>28</u> PSI	(depth)	Jars
		<u>3400</u>	
(C) First Final Flow Pressure	<u>182</u> <u>190</u> PSI	Recorder No.	Safety Jt. <u>75</u>
		<u>13534</u>	
(D) Initial Shut-In Pressure	<u>993</u> <u>998</u> PSI	(depth)	Circ Sub
		<u>3405</u>	
(E) Second Initial Flow Pressure	<u>200</u> <u>203</u> PSI	Recorder No.	Sampler
		<u>—</u>	
(F) Second Final Flow Pressure	<u>347</u> <u>354</u> PSI	(depth)	Straddle
		<u>—</u>	
(G) Final Shut-In Pressure	<u>982</u> <u>993</u> PSI	Initial Opening	Ext. Packer
		<u>30</u>	
(Q) Final Hydrostatic Mud	<u>1615</u> PSI	Initial Shut-In	Shale Packer
		<u>45</u>	
		Final Flow	Ruined Packer
		<u>60</u>	
		Final Shut-In	Mileage <u>22 RT 27.50</u>
		<u>60</u>	
		T-On Location	Sub Total:
		<u>0000</u>	
		T-Started	Std. By <u>1.25</u> <u>125</u>
		<u>0114</u>	
		T-Open	Acc. Chg:
		<u>0350</u>	
		T-Pulled	Other:
		<u>0705</u>	
		T-Out	Total:
		<u>0915</u>	<u>1327.5</u>

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 Ty & M
 Our Representative Ray Schwager Thank you

teletransy tool

CHART PAGE

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

13534
DS-#5
Mudline

