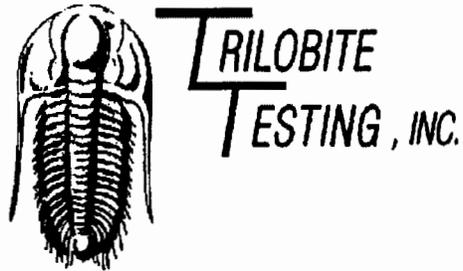


15-055-21849

35-225-33w



DRILL STEM TEST REPORT

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

250 N Water, Suite 300
Wichita, Ks 67202

ATTN: Gary Gensch

35-22-33 Finney, Ks

Jefco Holsted #1-35

Start Date: 2004.12.17 @ 04:02:29

End Date: 2004.12.17 @ 11:55:53

Job Ticket #: 20083 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, Suite 300
Wichita, Ks 67202
ATTN: Gary Gensch

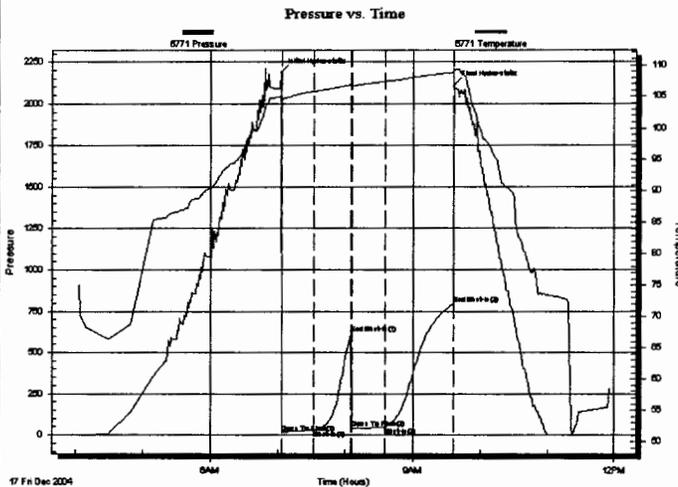
Jefco Holsted #1-35
35-22-33 Finney, Ks
Job Ticket: 20083 DST#: 1
Test Start: 2004.12.17 @ 04:02:29

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: **No Whipstock:** ft (KB)
Test Type: **Conventional Bottom Hole**
Time Tool Opened: 07:03:39
Tester: **Shane McBride**
Time Test Ended: 11:55:53
Unit No: **25**
Interval: **4415.00 ft (KB) To 4460.00 ft (KB) (TVD)**
Reference Elevations: **2878.00 ft (KB)**
Total Depth: **4460.00 ft (KB) (TVD)**
2869.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
KB to GR/CF: **9.00 ft**

Serial #: 6771 **Inside**
Press@RunDepth: **45.86 psig @ 4416.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2004.12.17** End Date: **2004.12.17** Last Calib.: **2004.12.17**
Start Time: **04:02:29** End Time: **11:55:53** Time On Btrr: **2004.12.17 @ 07:02:54**
Time Off Btrr: **2004.12.17 @ 09:36:39**

TEST COMMENT: 1/4" in. blow died back to a weak surface blow
No return
Weak surface blow
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2188.37	105.06	Initial Hydro-static
1	14.55	103.77	Open To Flow (1)
30	29.19	105.83	Shut-In(1)
63	615.25	106.90	End Shut-In(1)
63	39.81	106.74	Open To Flow (2)
93	45.86	107.40	Shut-In(2)
153	793.42	108.80	End Shut-In(2)
154	2115.79	109.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	s o c m 2%o 98% m	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.
250 N Water, Suite 300
Wichita, Ks 67202
ATTN: Gary Gensch

Jefco Holsted #1-35
35-22-33 Finney, Ks
Job Ticket: 20083 DST#: 1
Test Start: 2004.12.17 @ 04:02:29

Tool Information

Drill Pipe:	Length: 3777.00 ft	Diameter: 3.80 inches	Volume: 52.98 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: 30000.00 lb
Drill Collar:	Length: 631.00 ft	Diameter: 2.25 inches	Volume: 3.10 bbl	Weight to Full Loose: 100000.0 lb
			<u>Total Volume: 56.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	4415.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	72.00 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			4389.00	
Shut In Tool	5.00			4394.00	
Hydraulic tool	5.00			4399.00	
Jars	5.00			4404.00	
Safety Joint	2.00			4406.00	
Packer	5.00			4411.00	27.00 Bottom Of Top Packer
Packer	4.00			4415.00	
Stubb	1.00			4416.00	
Recorder	0.00	6771	Inside	4416.00	
Perforations	6.00			4422.00	
Change Over Sub	1.00			4423.00	
Drill Pipe	31.00			4454.00	
Change Over Sub	1.00			4455.00	
Recorder	0.00	11057	Outside	4455.00	
Bullnose	5.00			4460.00	45.00 Bottom Packers & Anchor

Total Tool Length: 72.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.
250 N Water, Suite 300
Wichita, Ks 67202
ATTN: Gary Gensch

Jefco Holsted #1-35
35-22-33 Finney, Ks
Job Ticket: 20083 **DST#: 1**
Test Start: 2004.12.17 @ 04:02:29

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:	900 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	s o c m 2% o 98% m	0.049

Total Length: 10.00 ft Total Volume: bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

DST Test Number: 1

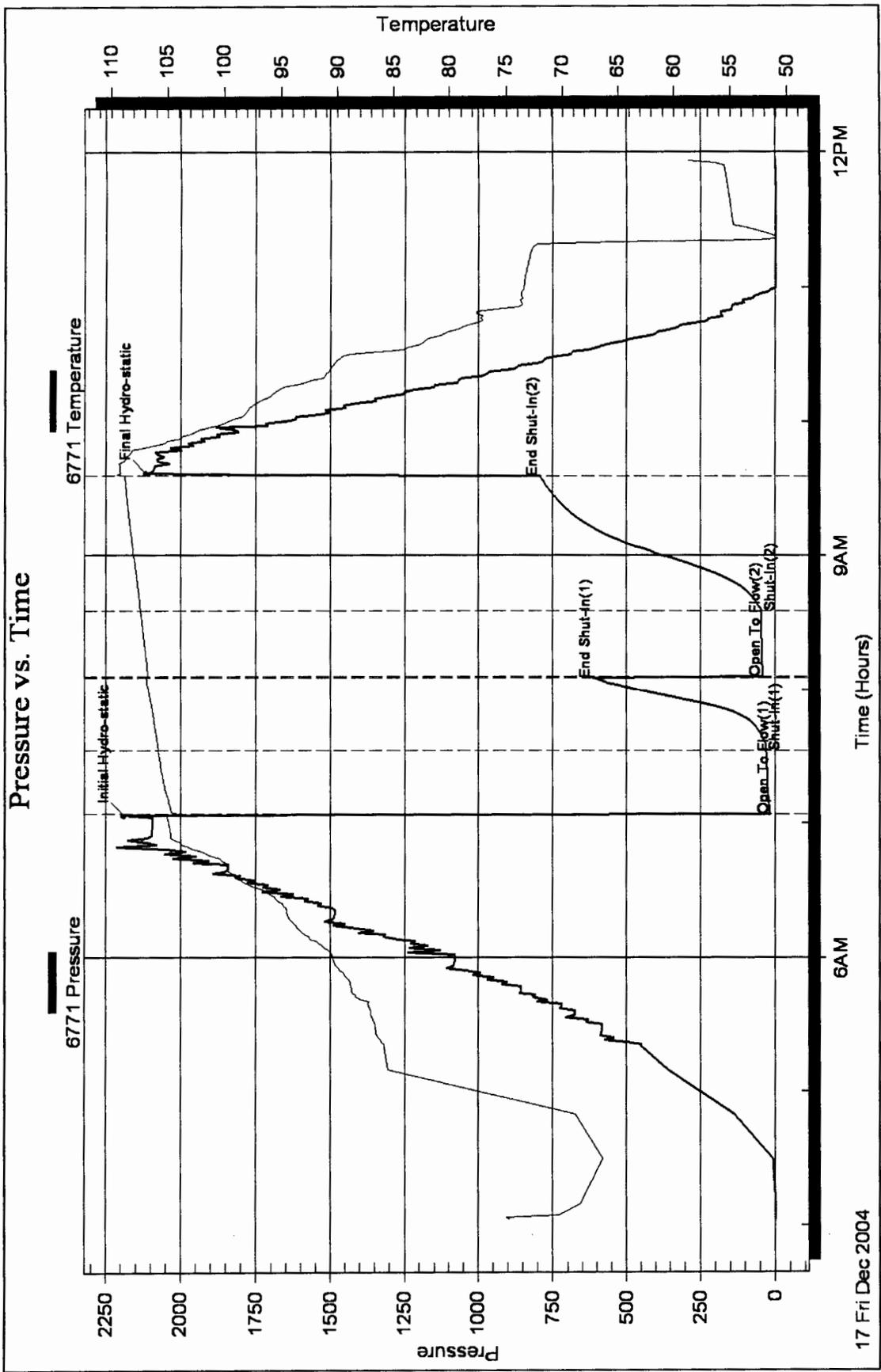
35-22-33 Finney, KS

Murfin Drilling Co. Inc.

Inside

Serial #: 6771

Pressure vs. Time

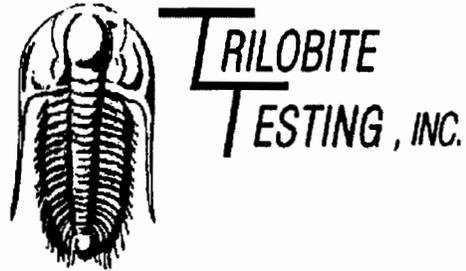


17 Fri Dec 2004

Triobite Testing, Inc

Ref. No: 20083

Printed: 2004.12.30 @ 13:27:11 Page 5



DRILL STEM TEST REPORT

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

250 N Water, Suite 300
Wichita, Ks 67202

ATTN: Gary Gensch

35-22-33 Finney, Ks

Jefco Holsted #1-35

Start Date: 2004.12.17 @ 22:41:02

End Date: 2004.12.18 @ 06:34:26

Job Ticket #: 20084 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Co. Inc.

Jefco Holsted #1-35

35-22-33 Finney, Ks

DST # 2

Ft Scott/Cherokee

2004.12.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.
250 N Water, Suite 300
Wichita, Ks 67202
ATTN: Gary Gensch

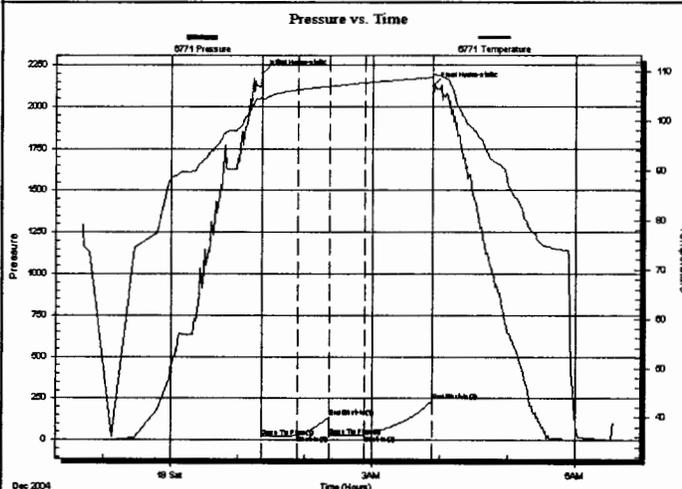
Jefco Holsted #1-35
35-22-33 Finney, Ks
Job Ticket: 20084 **DST#: 2**
Test Start: 2004.12.17 @ 22:41:02

GENERAL INFORMATION:

Formation: **Ft Scott/Cherokee**
 Deviated: **No Whipstock** ft (KB)
 Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **01:21:42**
 Tester: **Shane McBride**
 Time Test Ended: **06:34:26**
 Unit No: **25**
 Interval: **4459.00 ft (KB) To 4514.00 ft (KB) (TVD)**
 Reference Elevations: **2878.00 ft (KB)**
 Total Depth: **4460.00 ft (KB) (TVD)**
2869.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 KB to GR/CF: **9.00 ft**

Serial #: 6771 Inside
 Press@RunDepth: **30.68 psig @ 4460.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2004.12.17** End Date: **2004.12.18** Last Calib.: **2004.12.18**
 Start Time: **22:41:02** End Time: **06:34:26** Time On Btrt: **2004.12.18 @ 01:21:27**
 Time Off Btrt: **2004.12.18 @ 03:53:42**

TEST COMMENT: 1/4" in. blow died back to a weak surface blow
 No return
 Weak surface blow
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2200.18	104.96	Initial Hydro-static
1	20.56	104.30	Open To Flow (1)
32	27.91	106.35	Shut-In(1)
60	138.09	107.07	End Shut-In(1)
61	25.84	107.05	Open To Flow (2)
92	30.68	107.75	Shut-In(2)
152	235.28	108.84	End Shut-In(2)
153	2123.42	109.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	s o c m 7% o 93% m	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.
250 N Water, Suite 300
Wichita, Ks 67202
ATTN: Gary Gensch

Jefco Holsted #1-35
35-22-33 Finney, Ks
Job Ticket: 20084 **DST#: 2**
Test Start: 2004.12.17 @ 22:41:02

Tool Information

Drill Pipe:	Length: 3810.00 ft	Diameter: 3.80 inches	Volume: 53.44 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: 30000.00 lb
Drill Collar:	Length: 631.00 ft	Diameter: 2.25 inches	Volume: 3.10 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 56.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	4459.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 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
Change Over Sub	1.00			4435.00	
Shut In Tool	5.00			4440.00	
Hydraulic tool	5.00			4445.00	
Jars	5.00			4450.00	
Packer	5.00			4455.00	25.00 Bottom Of Top Packer
Packer	4.00			4459.00	
Stubb	1.00			4460.00	
Recorder	0.00	6771	Inside	4460.00	
Perforations	15.00			4475.00	
Change Over Sub	1.00			4476.00	
Drill Pipe	32.00			4508.00	
Change Over Sub	1.00			4509.00	
Recorder	0.00	11057	Outside	4509.00	
Bullnose	5.00			4514.00	55.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.
250 N Water, Suite 300
Wichita, Ks 67202
ATTN: Gary Gensch

Jefco Holsted #1-35
35-22-33 Finney, Ks
Job Ticket: 20084 DST#: 2
Test Start: 2004.12.17 @ 22:41:02

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:	1400 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	s o c m 7% o 93% m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Borbs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

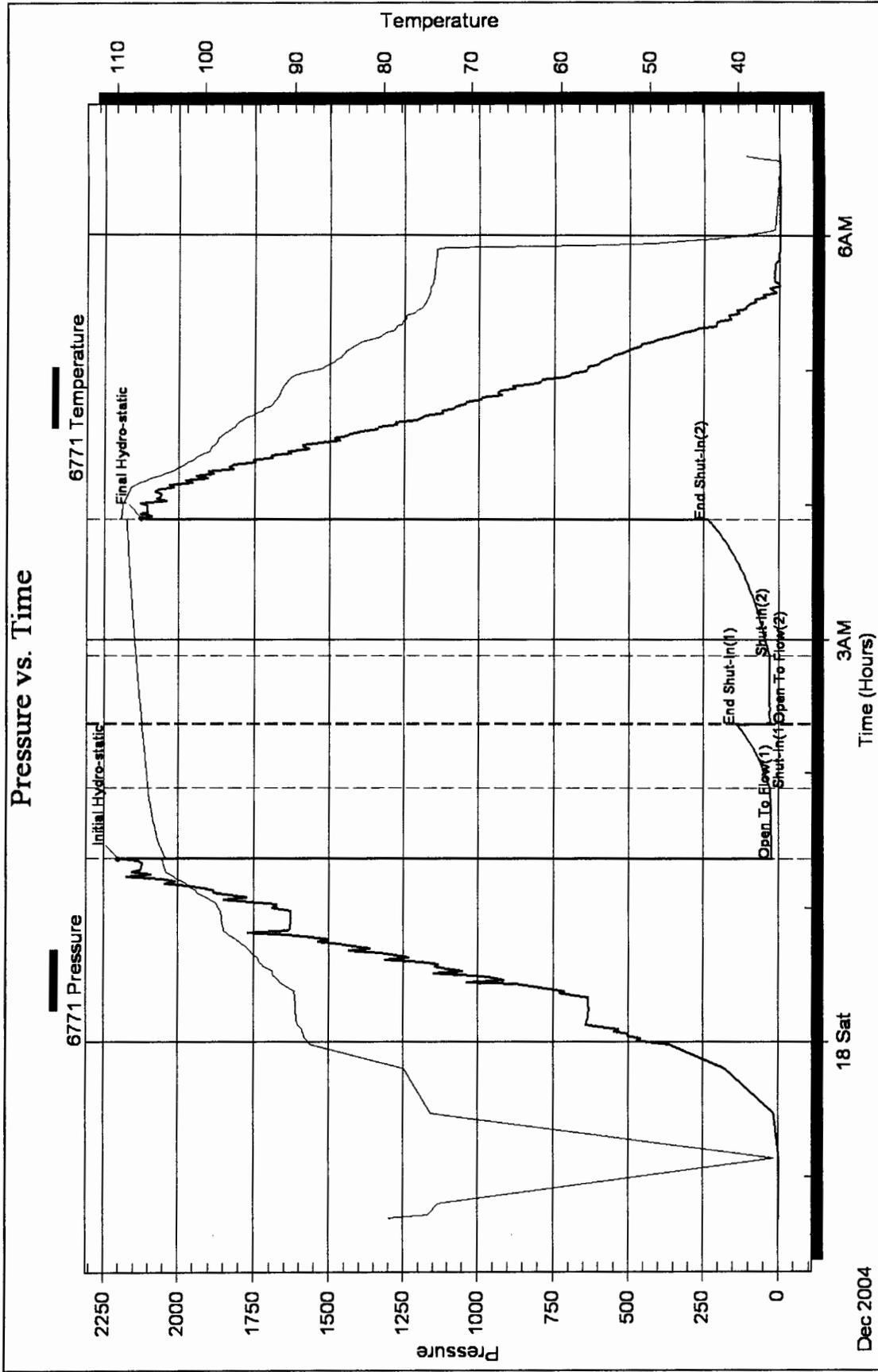
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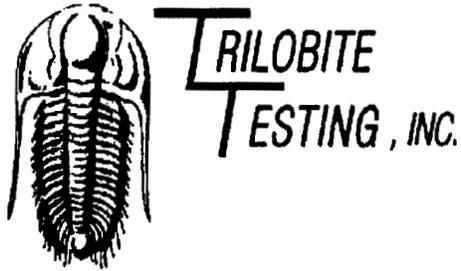
Inside

Murfin Drilling Co. Inc.

35-22-33 Finney, Ks

DST Test Number: 2





DRILL STEM TEST REPORT

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

250 N Water, Suite 300
Wichita, Ks 67202

ATTN: Gary Gensch

35-22-33 Finney, Ks

Jefco Holsted #1-35

Start Date: 2004.12.18 @ 23:02:30

End Date: 2004.12.19 @ 06:55:54

Job Ticket #: 20085 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, Suite 300
Wichita, Ks 67202
ATTN: Gary Gensch

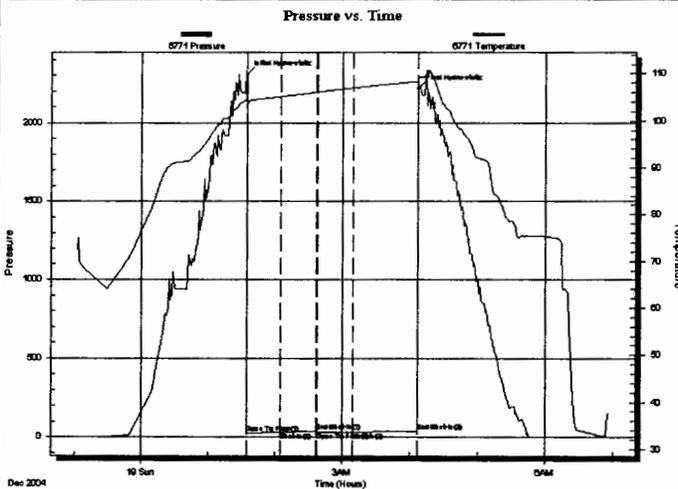
Jefco Holsted #1-35
35-22-33 Finney, Ks
Job Ticket: 20085 DST#: 3
Test Start: 2004.12.18 @ 23:02:30

GENERAL INFORMATION:

Formation: **morrow**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 01:34:55
Time Test Ended: 06:55:54
Interval: **4646.00 ft (KB) To 4708.00 ft (KB) (TVD)**
Total Depth: **4708.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Shane McBride**
Unit No: **25**
Reference Elevations: **2878.00 ft (KB)**
2869.00 ft (CF)
KB to GR/CF: **9.00 ft**

Serial #: 6771 Inside
Press@RunDepth: **30.95 psig @ 4647.00 ft (KB)**
Start Date: **2004.12.18** End Date: **2004.12.19**
Start Time: **23:02:30** End Time: **06:55:54**
Capacity: **7000.00 psig**
Last Calib.: **2004.12.19**
Time On Btm: **2004.12.19 @ 01:34:40**
Time Off Btm: **2004.12.19 @ 04:07:10**

TEST COMMENT: 1/4" in. blow died back to a weak surface blow
No return
Weak surface blow
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2306.29	104.77	Initial Hydro-static
1	25.66	103.18	Open To Flow (1)
30	29.30	105.14	Shut-In(1)
62	40.33	106.10	End Shut-In(1)
63	29.89	106.11	Open To Flow (2)
94	30.95	106.98	Shut-In(2)
153	39.10	108.36	End Shut-In(2)
153	2218.06	109.58	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 Co. Inc.
250 N Water, Suite 300
Wichita, Ks 67202
ATTN: Gary Gensch

Jefco Holsted #1-35
35-22-33 Finney, Ks
Job Ticket: 20085 **DST#: 3**
Test Start: 2004.12.18 @ 23:02:30

Tool Information

Drill Pipe:	Length: 4000.00 ft	Diameter: 3.80 inches	Volume: 56.11 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:	30000.00 lb
Drill Collar:	Length: 631.00 ft	Diameter: 2.25 inches	Volume: 3.10 bbl	Weight to Pull Loose:	100000.0 lb
			<u>Total Volume: 59.21 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	84000.00 lb
Depth to Top Packer:	4646.00 ft			Final	84000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	62.00 ft				
Tool Length:	87.00 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			4622.00	
Shut In Tool	5.00			4627.00	
Hydraulic tool	5.00			4632.00	
Jars	5.00			4637.00	
Packer	5.00			4642.00	25.00 Bottom Of Top Packer
Packer	4.00			4646.00	
Stubb	1.00			4647.00	
Recorder	0.00	6771	Inside	4647.00	
Perforations	22.00			4669.00	
Change Over Sub	1.00			4670.00	
Drill Pipe	32.00			4702.00	
Change Over Sub	1.00			4703.00	
Recorder	0.00	11057	Outside	4703.00	
Bullnose	5.00			4708.00	62.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

Jefco Holsted #1-35

250 N Water, Suite 300
Wichita, Ks 67202

35-22-33 Finney, Ks

Job Ticket: 20085

DST#: 3

ATTN: Gary Gensch

Test Start: 2004.12.18 @ 23:02:30

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:

2000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 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:

Serial #: 6771

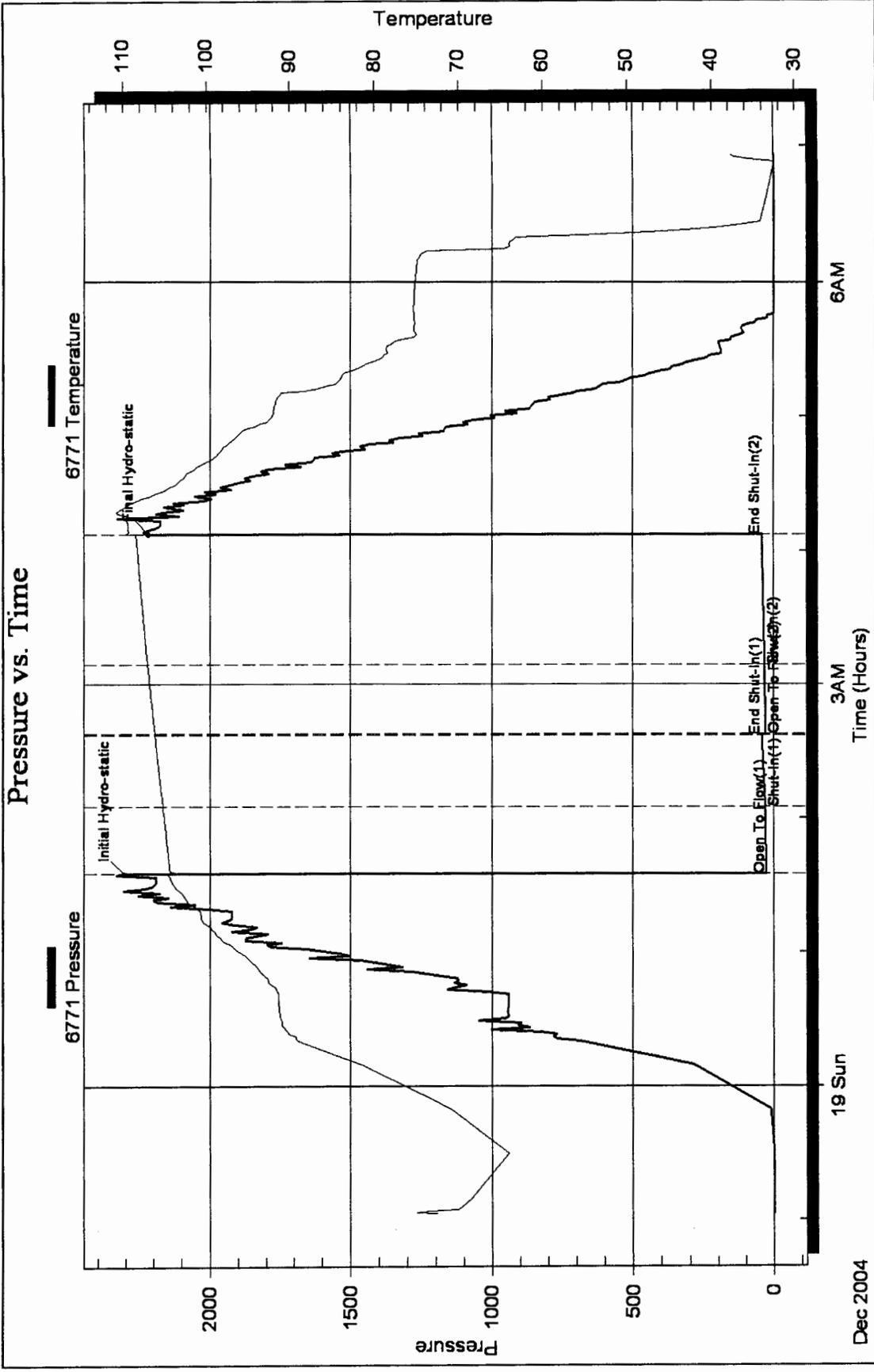
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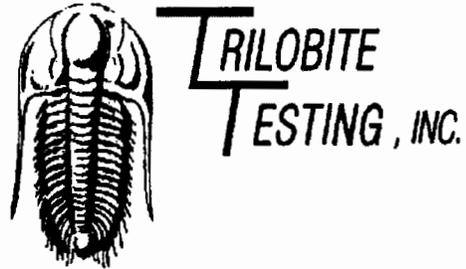
Murfin Drilling Co. Inc.

35-22-33 Finney, KS

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

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

250 N Water, Suite 300
Wichita, Ks 67202

ATTN: Gary Gensch

35-22-33 Finney, Ks

Jefco Holsted #1-35

Start Date: 2004.12.19 @ 19:20:05

End Date: 2004.12.20 @ 01:45:14

Job Ticket #: 20086 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 Drilling Co. Inc.
 250 N Water, Suite 300
 Wichita, Ks 67202
 ATTN: Gary Gensch

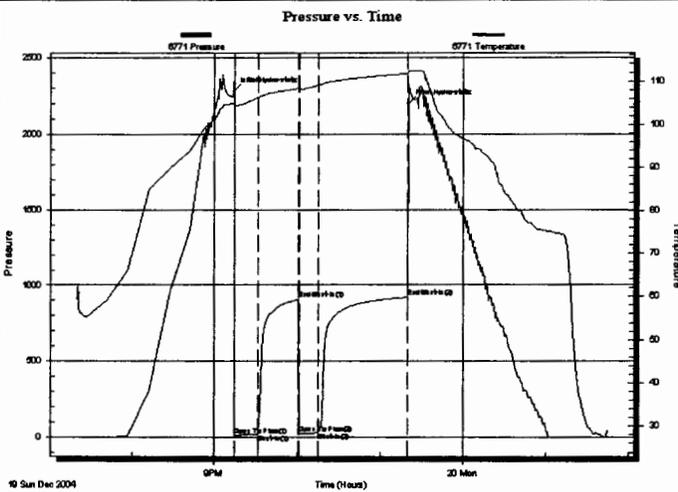
Jefco Holsted #1-35
35-22-33 Finney, Ks
 Job Ticket: 20086 DST#: 4
 Test Start: 2004.12.19 @ 19:20:05

GENERAL INFORMATION:

Formation: **St Louis**
 Deviated: **No Whipstock:** ft (KB)
 Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **21:15:00**
 Tester: **Shane McBride**
 Time Test Ended: **01:45:14**
 Unit No: **25**
 Interval: **4782.00 ft (KB) To 4803.00 ft (KB) (TVD)**
 Reference Elevations: **2878.00 ft (KB)**
 Total Depth: **4803.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 KB to GR/CF: **9.00 ft**

Serial #: 6771 **Inside**
 Press@RunDepth: **29.68 psig @ 4783.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2004.12.19** End Date: **2004.12.20** Last Calib.: **2004.12.20**
 Start Time: **19:20:05** End Time: **01:45:14** Time On Btrr: **2004.12.19 @ 21:14:15**
 Time Off Btrr: **2004.12.19 @ 23:20:15**

TEST COMMENT: Weak surface blow
 No return
 Bubble to open tool no blow
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2279.50	104.86	Initial Hydro-static
1	14.75	104.30	Open To Flow (1)
18	22.03	106.20	Shut-In(1)
47	906.43	108.33	End Shut-In(1)
48	24.33	108.07	Open To Flow (2)
62	29.68	109.07	Shut-In(2)
126	920.77	111.72	End Shut-In(2)
126	2202.03	112.29	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 Co. Inc.
250 N Water, Suite 300
Wichita, Ks 67202
ATTN: Gary Gensch

Jefco Holsted #1-35
35-22-33 Finney, Ks
Job Ticket: 20086 DST#: 4
Test Start: 2004.12.19 @ 19:20:05

Tool Information

Drill Pipe:	Length: 4157.00 ft	Diameter: 3.80 inches	Volume: 58.31 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:	30000.00 lb
Drill Collar:	Length: 631.00 ft	Diameter: 2.25 inches	Volume: 3.10 bbl	Weight to Pull Loose:	100000.0 lb
		Total Volume: 61.41 bbl		Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	86000.00 lb
Depth to Top Packer:	4782.00 ft			Final	86000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	21.00 ft				
Tool Length:	46.00 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			4758.00	
Shut In Tool	5.00			4763.00	
Hydraulic tool	5.00			4768.00	
Jars	5.00			4773.00	
Packer	5.00			4778.00	25.00 Bottom Of Top Packer
Packer	4.00			4782.00	
Stubb	1.00			4783.00	
Recorder	0.00	6771	Inside	4783.00	
Perforations	15.00			4798.00	
Recorder	0.00	11057	Outside	4798.00	
Bullnose	5.00			4803.00	21.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.
250 N Water, Suite 300
Wichita, Ks 67202
ATTN: Gary Gensch

Jefco Holsted #1-35
35-22-33 Finney, Ks
Job Ticket: 20086 **DST#: 4**
Test Start: 2004.12.19 @ 19:20:05

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:	2200 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2200.00 ppm			
Filter Cake: 1.00 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:

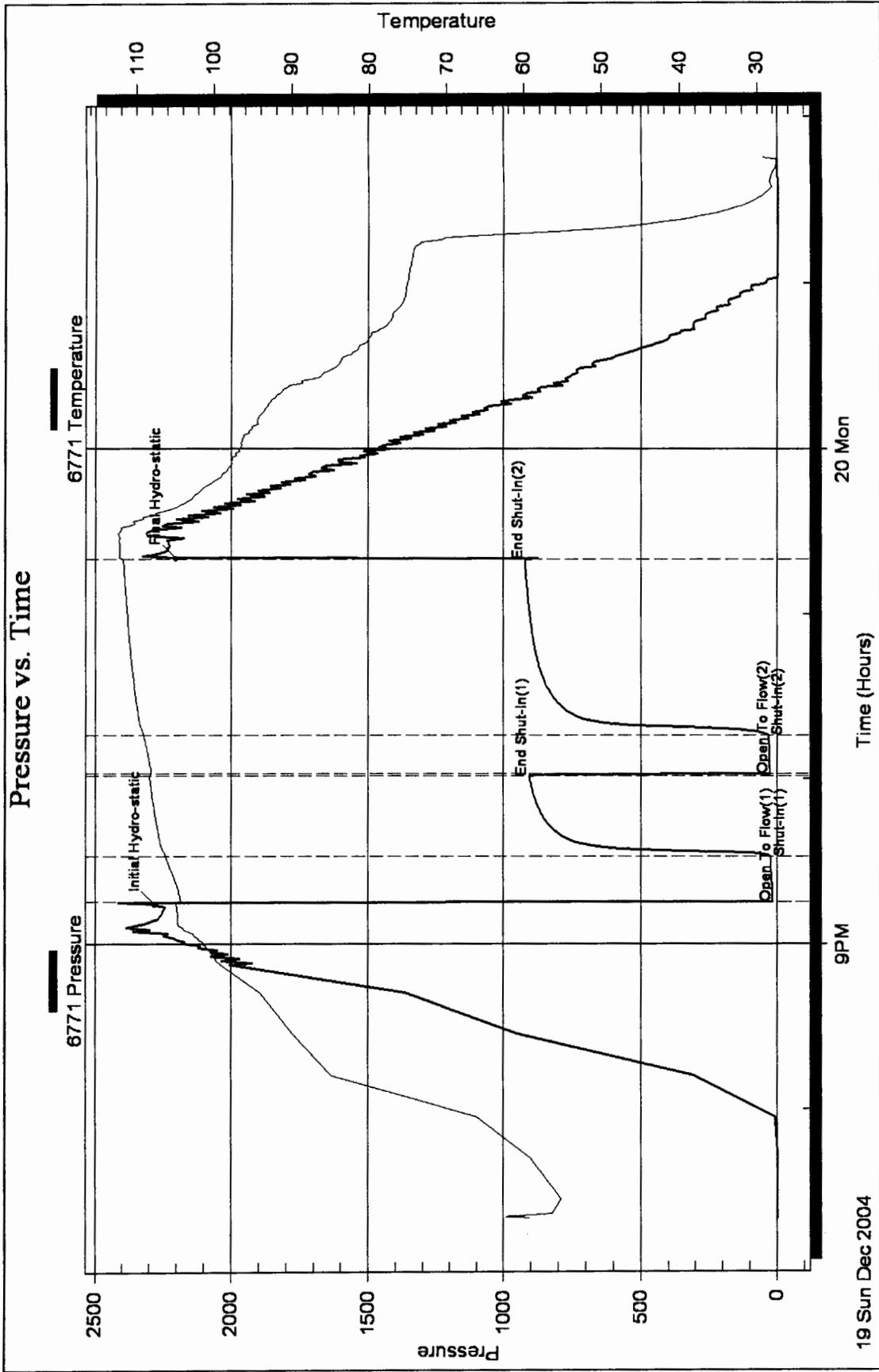
Serial #: 6771

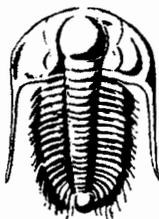
Inside

Murfin Drilling Co. Inc.

35-22-33 Finney, Ks

DST Test Number: 4





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV
2020

No 20083

05/03

Test Ticket

Well Name & No. Jefco - Holsted #1-35 Test No. #1 Date 12-17-04
 Company Muhlen Drilling Co Inc. Zone Tested Pawnee
 Address 250 N. Water, Suite 300 Wichita, KS Elevation 2878 KB 2869 GL
 Co. Rep / Geo. Gary Gensch Cont. Muhlen #25 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 35 Twp. 22S Rge. 33W Co. Finney State Ks
 No. of Copies 7 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4415' 4460' Initial Str Wt./Lbs. 82,000 Unseated Str Wt./Lbs. 82,000
 Anchor Length _____ 45' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 100,000
 Top Packer Depth _____ 4410' Tool Weight 1500
 Bottom Packer Depth _____ 4415' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth _____ 4460' Wt. Pipe Run _____ Drill Collar Run 631'
 Mud Wt. 9.1 LCM #1/2 Vis. 46 WL 9.6 Drill Pipe Size 4 1/2 XH Ft. Run 3777'
 Blow Description 1/4" in blow died back to a weak surface blow
No return
Weak surface blow
No return

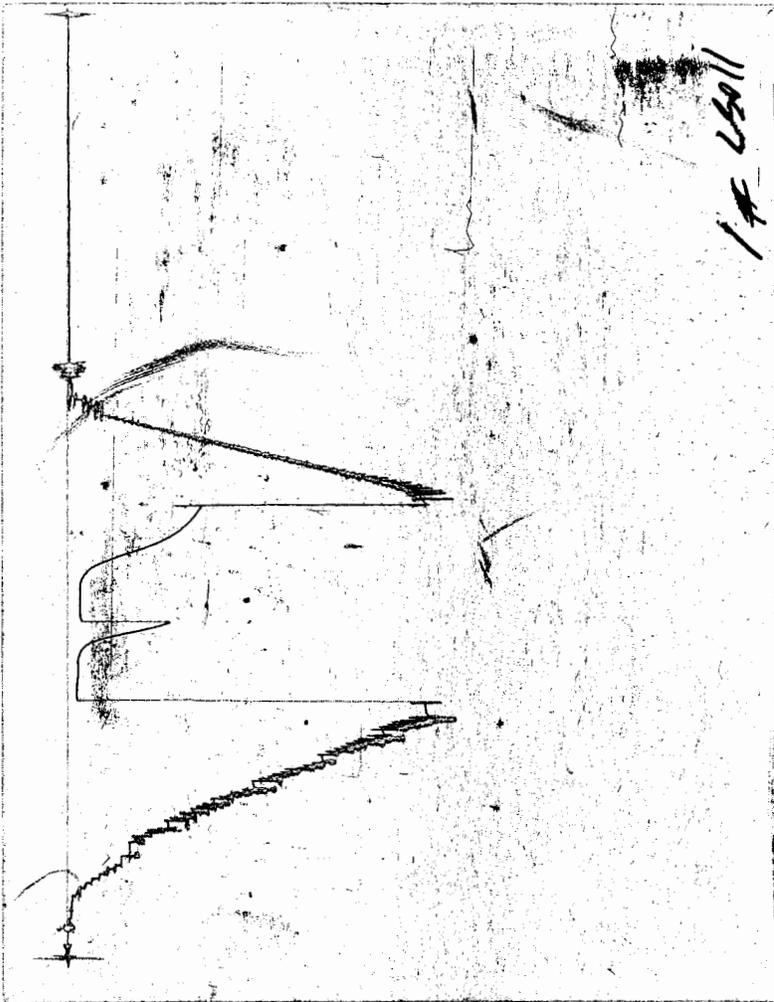
Recovery - Total Feet 10' GIP _____ Ft. in DC 10' Ft. in DP _____
 Rec. 10' Feet of SOCM %gas 2 %oil _____ %water 98 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 109° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides 900 ppm Recovery 900 Chlorides 900 ppm System

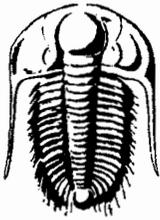
AK-1	Alpine	Recorder No.	Test r
(A) Initial Hydrostatic Mud	<u>2188</u> PSI	<u>6771</u>	<u>\$ 1000.00</u>
(B) First Initial Flow Pressure	<u>14</u> PSI	(depth) <u>4416'</u>	Elec. Rec. <u>x</u>
(C) First Final Flow Pressure	<u>29</u> PSI	Recorder No. <u>11057</u>	Jars <u>x</u> <u>\$ 200.00</u>
(D) Initial Shut-In Pressure	<u>615</u> PSI	(depth) <u>4455'</u>	Safety Jt. <u>x</u> <u>\$ 50.00</u>
(E) Second Initial Flow Pressure	<u>39</u> PSI	Recorder No. _____	Circ Sub <u>x N/C</u>
(F) Second Final Flow Pressure	<u>45</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>793</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2115</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
		Final Flow <u>30</u>	Shale Packer _____
		Final Shut-In <u>60</u>	Mileage <u>SRT</u> <u>\$ 116.00</u>
		T-On Location <u>01:30 P.M.</u>	Sub Total: <u>\$ 1366.00</u>
		T-Started <u>04:00 A.M.</u>	Std. By _____
		T-Open <u>07:05 A.M.</u>	Other _____
		T-Pulled <u>09:35 A.M.</u>	Total: _____
		T-Out _____	

TRILLOBITE 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 Gary Gensch
 Our Representative [Signature]

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20084

Test Ticket

Well Name & No. Jefco Holsted # 1-35 Test No. #2 Date 12-18-04
 Company Muka Drilling Co. Inc. Zone Tested Ft Scott / Cherokee
 Address 250 N Water Suite 300 Wichita Ks Elevation 2878 KB 2809 GL
 Co. Rep / Geo. Gary Geusch Cont. Martin #25 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 35 Twp. 22S Rge. 33W Co. Finney State Ks
 No. of Copies None Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4459' 454' Initial Str Wt./Lbs. 82,000 Unseated Str Wt./Lbs. 82,000
 Anchor Length _____ 55' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 95,000
 Top Packer Depth _____ 4454' Tool Weight 1,500
 Bottom Packer Depth _____ 4459' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth _____ 4514' Wt. Pipe Run _____ Drill Collar Run 631'
 Mud Wt. 9.1 LCM #4 Vis. 53 Wt 8.8 Drill Pipe Size 4 1/2 X 4 Ft. Run 3810'
 Blow Description 1/4" in blow died back to a weak surface blow
No return
Weak surface blow
No return

Recovery - Total Feet 10' GIP _____ Ft. in DC 10' Ft. in DP _____
 Rec. 10' Feet of SOCM %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 109° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides 1400 ppm Recovery 1400 Chlorides 1400 ppm System

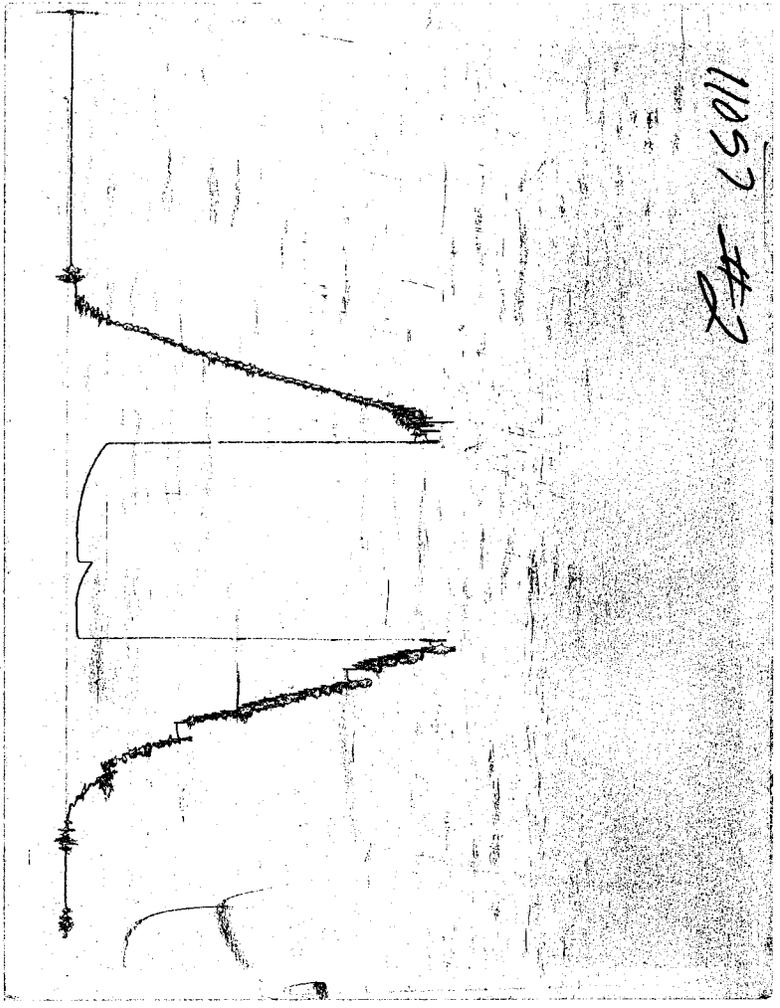
(A) Initial Hydrostatic Mud	<u>2200</u> PSI	Recorder No.	<u>6771</u>	Test X	<u>\$1000.00</u>
(B) First Initial Flow Pressure	<u>20</u> PSI	(depth)	<u>4460'</u>	Elec. Rec. X	
(C) First Final Flow Pressure	<u>27</u> PSI	Recorder No.	<u>11057</u>	Jars X	<u>\$200.00</u>
(D) Initial Shut-In Pressure	<u>138</u> PSI	(depth)	<u>4509'</u>	Safety Jt.	
(E) Second Initial Flow Pressure	<u>25</u> PSI	Recorder No.		Circ Sub X	<u>N/C</u>
(F) Second Final Flow Pressure	<u>30</u> PSI	(depth)		Sampler	
(G) Final Shut-In Pressure	<u>235</u> PSI	Initial Opening	<u>30</u>	Straddle	
(Q) Final Hydrostatic Mud	<u>2123</u> PSI	Initial Shut-In	<u>30</u>	Ext. Packer	

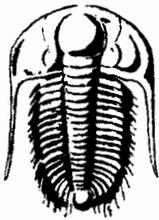
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By Gary Geusch
 Our Representative [Signature]

Final Flow 30
 Final Shut-In 60
 T-On Location 22:00 p.m.
 T-Started 22:40 p.m.
 T-Open 01:20 a.m.
 T-Pulled 03:50 a.m.
 T-Out 06:20 a.m.
 Mileage 58 RT \$116.00
 Sub Total: \$1,316.00
 Std. By _____
 Other _____
 Total: \$1,316.00

CHART PAGE
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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20085

05/03

Test Ticket

Well Name & No. Jeeco Halsted #1-35 Test No. #3 Date 12-19-04
 Company Muchin Drilling Co. Inc. Zone Tested Morrow
 Address 250 N Water Suite 300, Wichita KS Elevation 2878' KB 2869' GL
 Co. Rep / Geo. Gary Gensch Cont. Muchin #25 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 35 Twp. 22s Rge. 33w Co. Finney State KS
 No. of Copies 1 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4646' 4708' Initial Str Wt./Lbs. 84,000 Unseated Str Wt./Lbs. 84,000
 Anchor Length _____ 62' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 100,000
 Top Packer Depth _____ 4641' Tool Weight 1500
 Bottom Packer Depth _____ 4646 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 4708 Wt. Pipe Run _____ Drill Collar Run 631'
 Mud Wt. 9.2 LCM #2 Vis. 51 WL 8.0 Drill Pipe Size 4 1/2 X 4 Ft. Run 3000/1000'
 Blow Description 1/4" in blow died back to a Weak Surface blow
No return
Weak Surface blow
No return

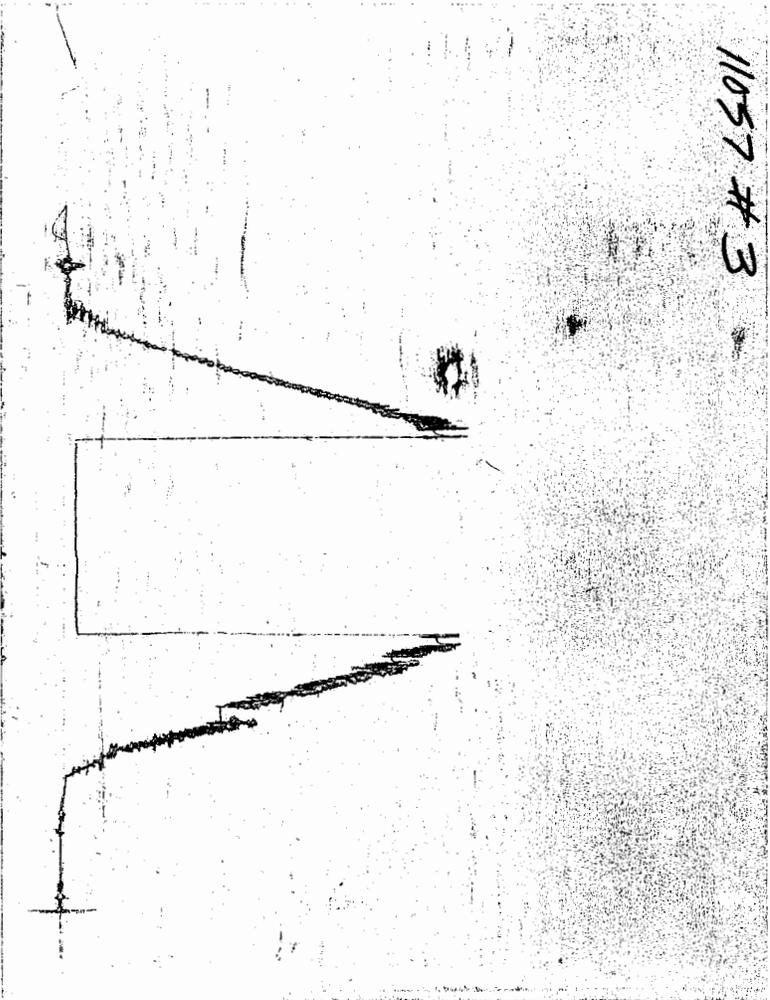
Recovery - Total Feet 5 GIP _____ Ft. in DC 5' Ft. in DP _____
 Rec. 5' Feet of mud %gas _____ %oil _____ %water 100 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 108° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides 2000 ppm Recovery 2000 Chlorides 2000 ppm System

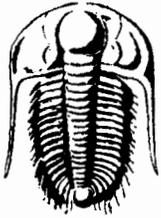
	AK-1	Alpine	Recorder No.		
(A) Initial Hydrostatic Mud		<u>2306</u> PSI	<u>6771</u>	Test X	<u>\$1000.00</u>
(B) First Initial Flow Pressure		<u>25</u> PSI	(depth) <u>4647'</u>	Elec. Rec. X	
(C) First Final Flow Pressure		<u>29</u> PSI	Recorder No. <u>11057</u>	Jars X	<u>\$200.00</u>
(D) Initial Shut-In Pressure		<u>40</u> PSI	(depth) <u>4703'</u>	Safety Jt.	
(E) Second Initial Flow Pressure		<u>29</u> PSI	Recorder No. _____	Circ Sub X	<u>N/A</u>
(F) Second Final Flow Pressure		<u>30</u> PSI	(depth) _____	Sampler	
(G) Final Shut-In Pressure		<u>39</u> PSI	Initial Opening <u>30</u>	Straddle	
(Q) Final Hydrostatic Mud		<u>2218</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer	
			Final Flow <u>30</u>	Shale Packer	
			Final Shut-In <u>60</u>	Mileage <u>58 RT</u>	<u>\$116.00</u>
			T-On Location <u>22:00 p.m.</u>	Sub Total:	<u>\$1,316.00</u>
			T-Started <u>23:00 p.m.</u>	Std. By	
			T-Open <u>01:30 a.m.</u>	Other	
			T-Pulled <u>04:00 a.m.</u>	Total:	<u>\$1,316.00</u>
			T-Out <u>06:45 a.m.</u>		

TRILLOBITE 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 Gary Gensch
 Our Representative [Signature]

CHART PAGE
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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20086

05/03

Test Ticket

Well Name & No. Jefco Holsted #1-35 Test No. #4 Date 12-20-04
 Company Martin Drilling Co Inc. Zone Tested St Louis
 Address 250 N. Water Suite 300 Wichita Ks Elevation 2878' KB 2869' GL
 Co. Rep / Geo. Gary Gensch Cont. Martin #25 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 35 Twp. 22S Rge. 33W Co. F.ney State Ks
 No. of Copies None Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4782 4803 Initial Str Wt./Lbs. 86,000 Unseated Str Wt./Lbs. 86,000
 Anchor Length _____ 21 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 100,000
 Top Packer Depth _____ 4777 Tool Weight 1500
 Bottom Packer Depth _____ 4782 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 4803 Wt. Pipe Run _____ Drill Collar Run 631'
 Mud Wt. 9.2 LCM #3 Vis. 59 WL 8.8 Drill Pipe Size 4 1/2 X 14 Ft. Run 4157'
 Blow Description Weak surface blow
No return
Bubble to open tool No blow
No return

Recovery - Total Feet 5' GIP _____ Ft. in DC 5' Ft. in DP _____
 Rec. 5' Feet of muo %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 112° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2200 ppm System

	AK-1	Alpine	Recorder No.	Test X
(A) Initial Hydrostatic Mud	<u>2279</u>	PSI	<u>6771</u>	<u>1000.00</u>
(B) First Initial Flow Pressure	<u>14</u>	PSI	<u>4783'</u>	Elec. Rec. X
(C) First Final Flow Pressure	<u>22</u>	PSI	<u>11057</u>	Jars X <u>200.00</u>
(D) Initial Shut-In Pressure	<u>906</u>	PSI	<u>4785'</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>24</u>	PSI	Recorder No. _____	Circ Sub X <u>N/C</u>
(F) Second Final Flow Pressure	<u>29</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>920</u>	PSI	Initial Opening <u>15</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2202</u>	PSI	Initial Shut-In <u>30</u>	Ext. Packer _____

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Approved By Gary Gensch
 Our Representative [Signature]

Final Flow	<u>15</u>	Shale Packer _____
Final Shut-In	<u>60</u>	Mileage 584 <u>\$116.00</u>
T-On Location	<u>18:45 p.m.</u>	Sub Total: <u>\$1,316.00</u>
T-Started	<u>19:20 p.m.</u>	Std. By _____
T-Open	<u>21:15 p.m.</u>	Other _____
T-Pulled	<u>23:15 p.m.</u>	Total: <u>\$1,316.00</u>
T-Out	<u>02:00 a.m.</u>	

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

11057 #4

