



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: David Doyel

3-11s-21w Trego

Hadlew Unit #1-3

Start Date: 2006.01.26 @ 09:30:56

End Date: 2006.01.26 @ 16:34:55

Job Ticket #: 22690 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Co Inc

Hadlew Unit #1-3

3-11s-21w Trego

DST # 1

LKC

2006.01.26



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202
ATTN: David Doyel

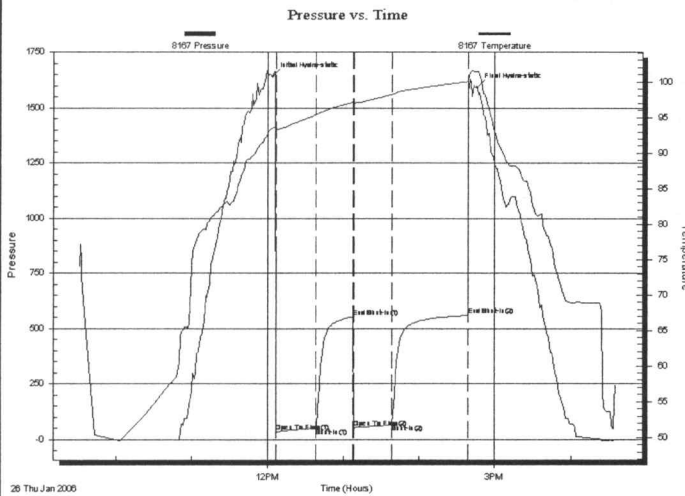
Hadlew Unit #1-3
3-11s-21w Trego
Job Ticket: 22690 **DST#: 1**
Test Start: 2006.01.26 @ 09:30:56

GENERAL INFORMATION:

Formation: **LKC**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 12:06:25
Time Test Ended: 16:34:55
Interval: **3410.00 ft (KB) To 3485.00 ft (KB) (TVD)**
Total Depth: **3485.00 ft (KB) (TVD)**
Hole Diameter: **7.85 inches** Hole Condition: **Poor**
Test Type: **Conventional Bottom Hole**
Tester: **Ray Schwager**
Unit No: **28**
Reference Elevations: **2111.00 ft (KB)**
2106.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8167 **Inside**
Press@RunDepth: **69.50 psig @ 3411.01 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2006.01.26** End Date: **2006.01.26** Last Calib.: **2006.01.26**
Start Time: **09:30:56** End Time: **16:34:55** Time On Btm: **2006.01.26 @ 12:03:55**
Time Off Btm: **2006.01.26 @ 14:45:55**

TEST COMMENT: IFF-w k bl thru-out 1/2"to 3/4"bl
FFP-w k bl thru-out 1/4"bl
Times 30-30-30-60



PRESSURE SUMMARY

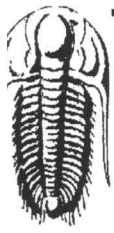
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1641.65	93.51	Initial Hydro-static
3	34.52	93.31	Open To Flow (1)
34	51.09	95.38	Shut-In(1)
63	552.74	97.12	End Shut-In(1)
64	53.18	97.05	Open To Flow (2)
94	69.50	98.26	Shut-In(2)
155	559.03	100.07	End Shut-In(2)
162	1593.29	101.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Mud w/show of oil	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

Hadlew Unit #1-3

250 N Water Ste 300
Wichita KS 67202

3-11s-21w Trego

Job Ticket: 22690

DST#: 1

ATTN: David Doyel

Test Start: 2006.01.26 @ 09:30:56

Tool Information

Drill Pipe:	Length: 3237.00 ft	Diameter: 3.80 inches	Volume: 45.41 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
			<u>Total Volume: 46.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3410.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.02 ft			
Tool Length:	96.02 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			3390.00	
Shut In Tool	5.00			3395.00	
Hydraulic tool	5.00			3400.00	
Packer	5.00			3405.00	21.00 Bottom Of Top Packer
Packer	5.00			3410.00	
Stub	1.00			3411.00	
Recorder	0.01	8167	Inside	3411.01	
Perforations	8.00			3419.01	
Recorder	0.01	13534	Outside	3419.02	
Blank Spacing	63.00			3482.02	
Bullnose	3.00			3485.02	75.02 Bottom Packers & Anchor
Total Tool Length:	96.02				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Hadlew Unit #1-3

250 N Water Ste 300
Wchita KS 67202

3-11s-21w Trego

Job Ticket: 22690

DST#: 1

ATTN: David Doyel

Test Start: 2006.01.26 @ 09:30:56

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.09 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	Mud w/show of oil	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

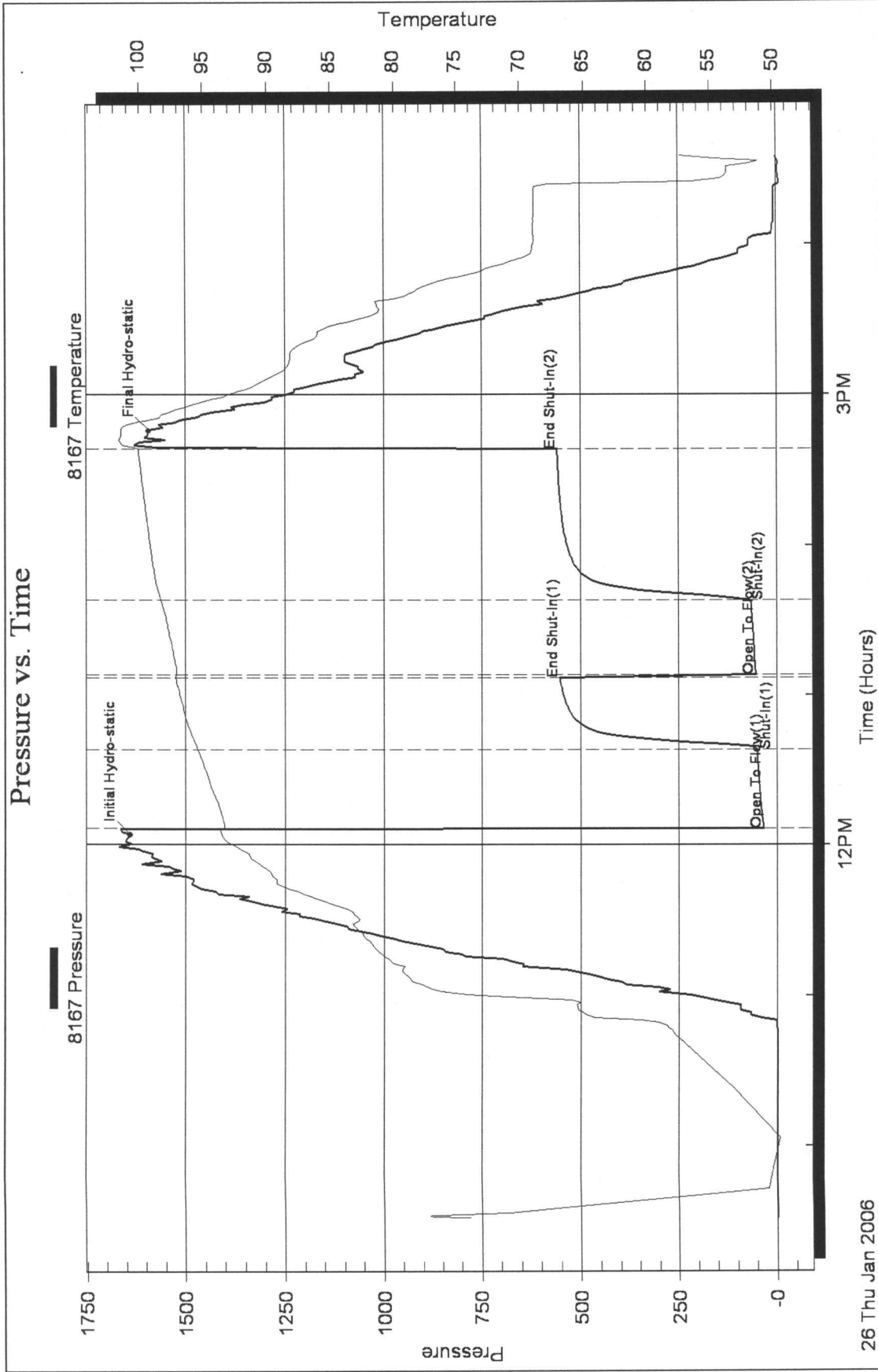
Serial #: 8167

Inside

Murfin Drilling Co Inc

3-11s-21w Trego

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: David Doyel

3-11s-21w Trego

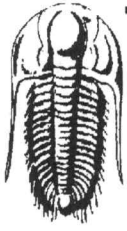
Hadlew Unit #1-3

Start Date: 2006.01.27 @ 09:31:54

End Date: 2006.01.27 @ 15:54:53

Job Ticket #: 22691 DST #: 2

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



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DRILL STEM TEST REPORT

Murfin Drilling Co Inc
 250 N Water Ste 300
 Wichita KS 67202
 ATTN: David Doyel

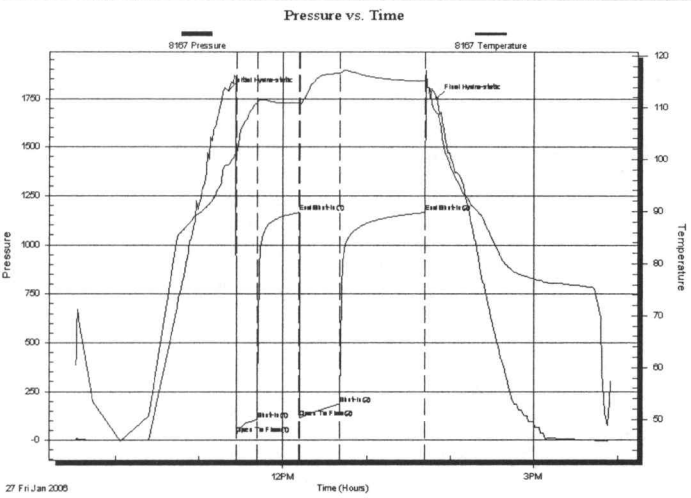
Hadlew Unit #1-3
3-11s-21w Trego
 Job Ticket: 22691 **DST#: 2**
 Test Start: 2006.01.27 @ 09:31:54

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 11:26:53
 Time Test Ended: 15:54:53
 Interval: **3708.00 ft (KB) To 3720.00 ft (KB) (TVD)**
 Total Depth: 3720.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: **Poor**
 Test Type: **Conventional Bottom Hole**
 Tester: **Ray Schwager**
 Unit No: **28**
 Reference Elevations: 2111.00 ft (KB)
 2106.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8167 **Inside**
 Press@RunDepth: 185.62 psig @ 3712.01 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.01.27 End Date: 2006.01.27 Last Calib.: 2006.01.27
 Start Time: 09:31:54 End Time: 15:54:53 Time On Btm: 2006.01.27 @ 11:20:53
 Time Off Btm: 2006.01.27 @ 13:49:53

TEST COMMENT: IFF-w k to strg in 8 min
 FFP-w k to strg in 11min
 Times 15-30-30-60
 ISIP-1"bl bk , FSIP-1/4"bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1790.46	98.88	Initial Hydro-static
6	32.45	101.03	Open To Flow (1)
21	106.54	110.84	Shut-In(1)
51	1164.67	110.92	End Shut-In(1)
52	115.61	110.64	Open To Flow (2)
80	185.62	116.73	Shut-In(2)
141	1165.26	115.13	End Shut-In(2)
149	1751.34	108.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	HO&GCM 10%G 40%O 50%M	0.30
440.00	CO	5.08

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 Ste 300
Wichita KS 67202
ATTN: David Doyel

Hadlew Unit #1-3
3-11s-21w Trego
Job Ticket: 22691 **DST#: 2**
Test Start: 2006.01.27 @ 09:31:54

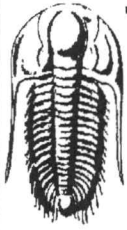
Tool Information

Drill Pipe:	Length: 3518.00 ft	Diameter: 3.80 inches	Volume: 49.35 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
			<u>Total Volume: 50.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3708.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.02 ft			
Tool Length:	33.02 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			3688.00	
Shut In Tool	5.00			3693.00	
Hydraulic tool	5.00			3698.00	
Packer	5.00			3703.00	21.00 Bottom Of Top Packer
Packer	5.00			3708.00	
Stubb	1.00			3709.00	
Perforations	3.00			3712.00	
Recorder	0.01	8167	Inside	3712.01	
Perforations	5.00			3717.01	
Recorder	0.01	13534	Outside	3717.02	
Bullnose	3.00			3720.02	12.02 Bottom Packers & Anchor

Total Tool Length: 33.02



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202
ATTN: David Doyel

Hadlew Unit #1-3
3-11s-21w Trego
Job Ticket: 22691 **DST#: 2**
Test Start: 2006.01.27 @ 09:31:54

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 27 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.71 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3800.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	HO&GCM 10%G 40%O 50%M	0.295
440.00	CO	5.079

Total Length: 500.00 ft Total Volume: 5.374 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

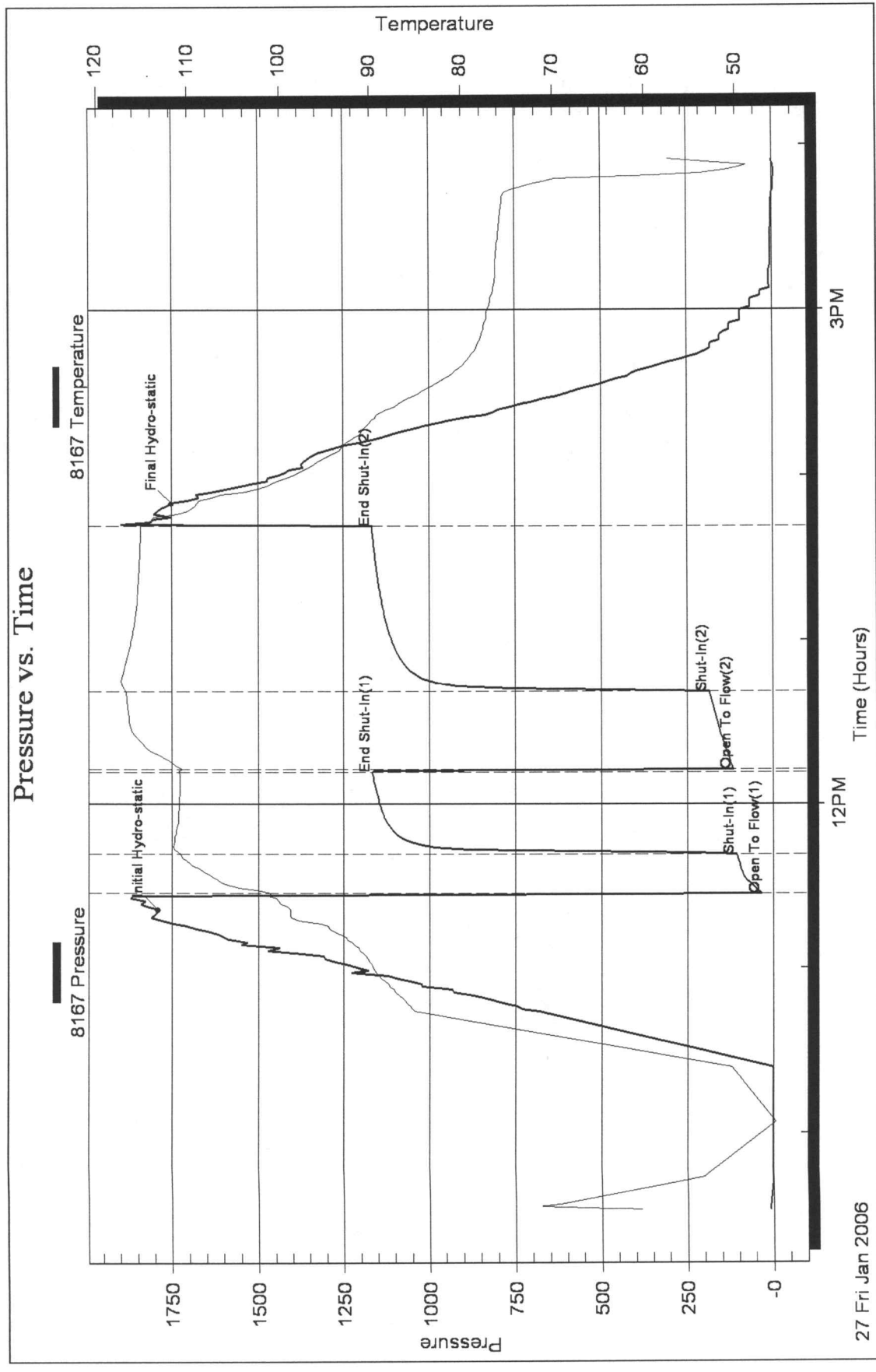
Serial #: 8167

Inside

Murfin Drilling Co Inc

3-11s-21w Trego

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: David Doyel

3-11s-21w Trego

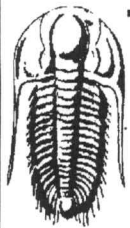
Hadlew Unit #1-3

Start Date: 2006.01.27 @ 22:31:27

End Date: 2006.01.28 @ 07:29:56

Job Ticket #: 22692 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: David Doyel

Hadlew Unit #1-3
3-11s-21w Trego
 Job Ticket: 22692 **DST#: 3**
 Test Start: 2006.01.27 @ 22:31:27

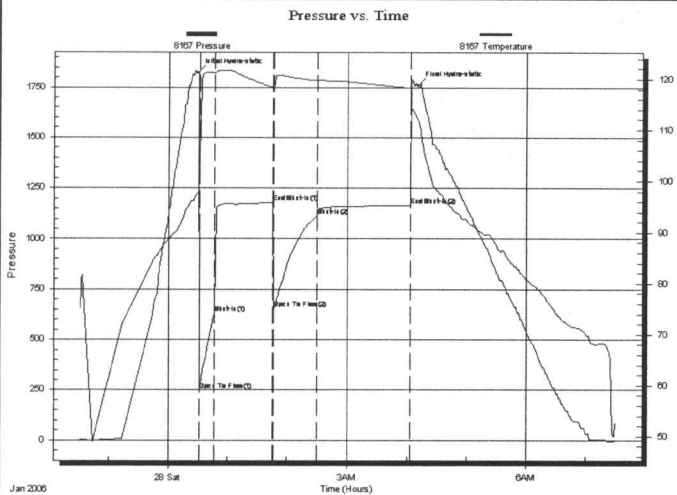
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 00:31:26
 Time Test Ended: 07:29:56
 Interval: **3720.00 ft (KB) To 3730.00 ft (KB) (TVD)**
 Total Depth: **3730.00 ft (KB) (TVD)**
 Hole Diameter: **7.85 inches** Hole Condition: **Poor**

Test Type: **Conventional Bottom Hole**
 Tester: **Ray Schwager**
 Unit No: **28**
 Reference Elevations: **2111.00 ft (KB)**
2106.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 8167 **Inside**
 Press@RunDepth: **1114.28 psig @ 3721.01 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2006.01.27** End Date: **2006.01.28** Last Calib.: **2006.01.28**
 Start Time: **22:31:27** End Time: **07:29:56** Time On Btm: **2006.01.28 @ 00:28:56**
 Time Off Btm: **2006.01.28 @ 04:10:26**

TEST COMMENT: IFP-strg bl in 1 min
 FFP-strg bl in 2 min
 Times 15-60-45-90
 ISIP-surface bl bk , FSIP-surface bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1822.47	97.66	Initial Hydro-static
3	249.56	103.68	Open To Flow (1)
18	628.73	121.18	Shut-In(1)
77	1178.17	118.29	End Shut-In(1)
77	655.25	117.92	Open To Flow (2)
122	1114.28	119.80	Shut-In(2)
214	1167.17	118.31	End Shut-In(2)
222	1760.05	112.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MGO 10%G 30%M 60%O	0.30
2915.00	CO	39.80

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 Ste 300
Wichita KS 67202
ATTN: David Doyel

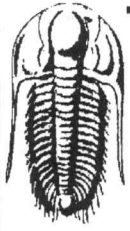
Hadlew Unit #1-3
3-11s-21w Trego
Job Ticket: 22692 **DST#: 3**
Test Start: 2006.01.27 @ 22:31:27

Tool Information

Drill Pipe:	Length: 3549.00 ft	Diameter: 3.80 inches	Volume: 49.78 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: 55000.00 lb
			<u>Total Volume: 50.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3720.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.02 ft			
Tool Length:	31.02 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			3700.00	
Shut In Tool	5.00			3705.00	
Hydraulic tool	5.00			3710.00	
Packer	5.00			3715.00	21.00 Bottom Of Top Packer
Packer	5.00			3720.00	
Stubb	1.00			3721.00	
Recorder	0.01	8167	Inside	3721.01	
Perforations	6.00			3727.01	
Recorder	0.01	13534	Outside	3727.02	
Bullnose	3.00			3730.02	10.02 Bottom Packers & Anchor
Total Tool Length:	31.02				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202
ATTN: David Doyel

Hadlew Unit #1-3
3-11s-21w Trego
Job Ticket: 22692 **DST#: 3**
Test Start: 2006.01.27 @ 22:31:27

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 27 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.13 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6700.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MGO 10%G 30%M 60%O	0.295
2915.00	CO	39.797

Total Length: 2975.00 ft Total Volume: 40.092 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8167

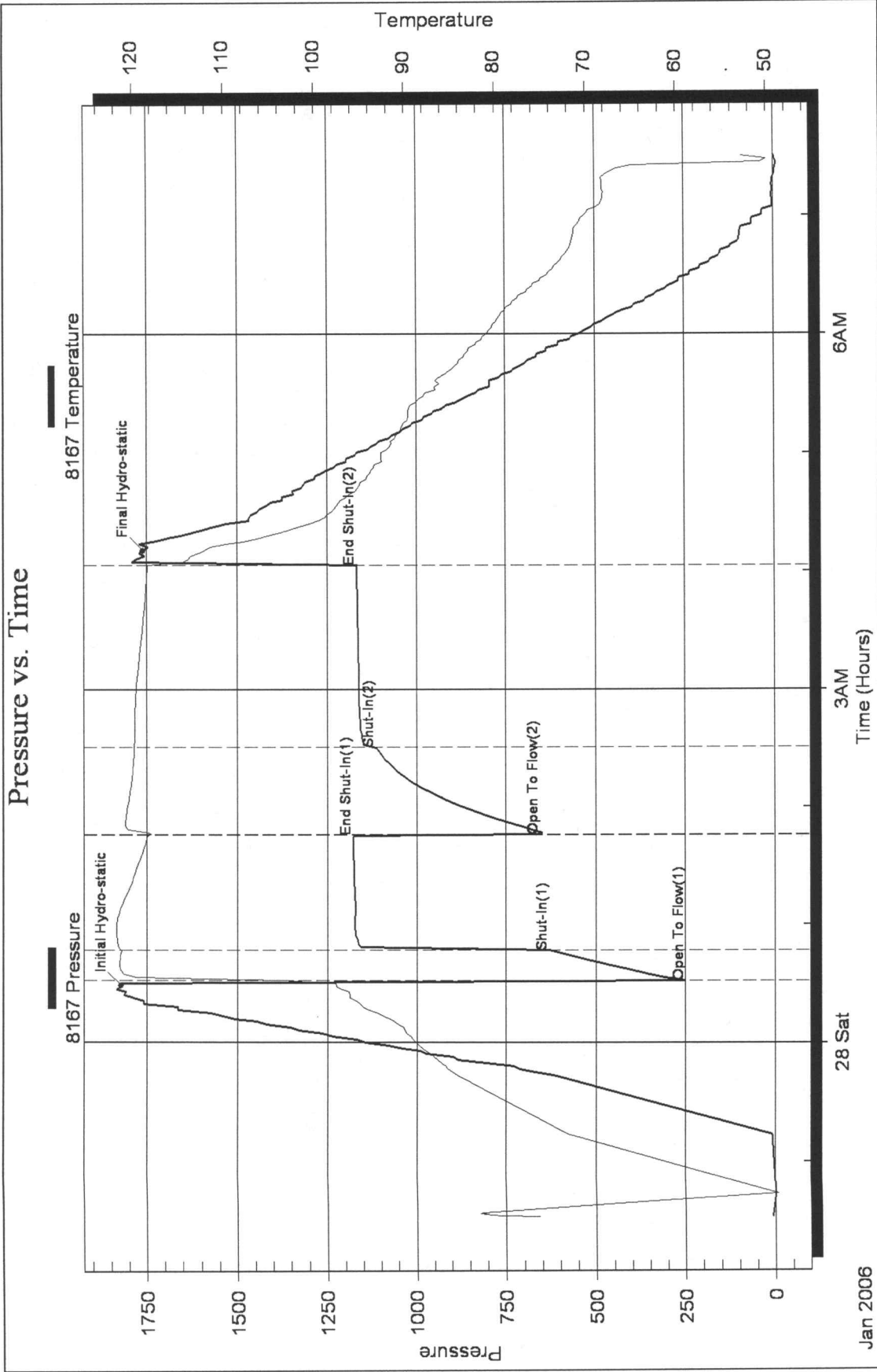
Inside

Murfin Drilling Co Inc

3-11s-21w Trego

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
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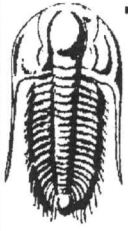
Hadlew Unit #1-3

Start Date: 2006.01.28 @ 13:12:46

End Date: 2006.01.28 @ 20:58:45

Job Ticket #: 22693 DST #: 4

Trilobite Testing, Inc
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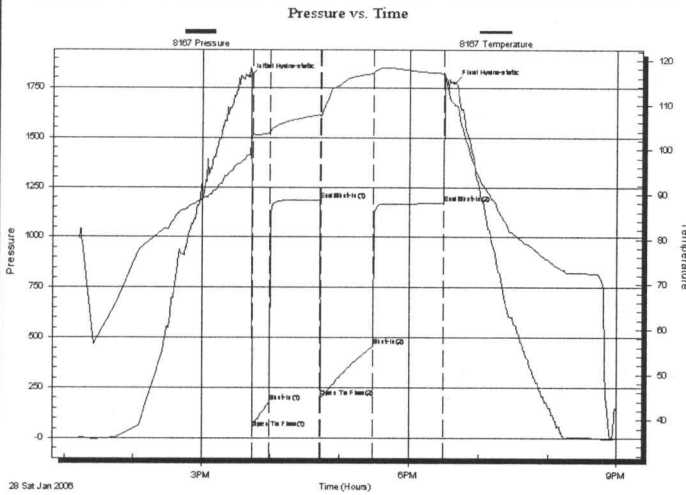
Hadlew Unit #1-3
3-11s-21w Trego
Job Ticket: 22693 **DST#: 4**
Test Start: 2006.01.28 @ 13:12:46

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 15:43:45
Time Test Ended: 20:58:45
Interval: **3730.00 ft (KB) To 3740.00 ft (KB) (TVD)**
Total Depth: 3740.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 28
Reference Elevations: 2111.00 ft (KB)
2106.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8167 **Inside**
Press@RunDepth: 458.87 psig @ 3731.01 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.01.28 End Date: 2006.01.28 Last Calib.: 2006.01.28
Start Time: 13:12:46 End Time: 20:58:45 Time On Btm: 2006.01.28 @ 15:40:45
Time Off Btm: 2006.01.28 @ 18:38:15

TEST COMMENT: IFF-strg bl in 4 min
FFP-strg bl in 6 min
Times 15-45-45-60
ISIP-surface bl bk, FSIP-surface bl bk



PRESSURE SUMMARY

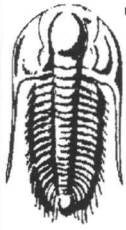
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1802.17	98.76	Initial Hydro-static
3	47.19	103.59	Open To Flow (1)
18	176.16	103.73	Shut-In (1)
62	1186.95	107.75	End Shut-In (1)
63	201.52	107.43	Open To Flow (2)
108	458.87	116.97	Shut-In (2)
169	1170.77	117.03	End Shut-In (2)
178	1772.65	110.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MGO 15%G 45%O 40%M	0.30
1180.00	CO	15.46

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202
ATTN: David Doyel

Hadlew Unit #1-3
3-11s-21w Trego
Job Ticket: 22693 **DST#: 4**
Test Start: 2006.01.28 @ 13:12:46

Tool Information

Drill Pipe:	Length: 3549.00 ft	Diameter: 3.80 inches	Volume: 49.78 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
			<u>Total Volume: 50.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3730.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.02 ft			
Tool Length:	31.02 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			3710.00	
Shut In Tool	5.00			3715.00	
Hydraulic tool	5.00			3720.00	
Packer	5.00			3725.00	21.00 Bottom Of Top Packer
Packer	5.00			3730.00	
Stubb	1.00			3731.00	
Recorder	0.01	8167	Inside	3731.01	
Perforations	6.00			3737.01	
Recorder	0.01	13534	Outside	3737.02	
Bullnose	3.00			3740.02	10.02 Bottom Packers & Anchor
Total Tool Length:	31.02				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Hadlew Unit #1-3

250 N Water Ste 300
Wichita KS 67202

3-11s-21w Trego

Job Ticket: 22693

DST#: 4

ATTN: David Doyel

Test Start: 2006.01.28 @ 13:12:46

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 25 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.75 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6900.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MGO 15%G 45%O 40%M	0.295
1180.00	CO	15.459

Total Length: 1240.00 ft Total Volume: 15.754 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

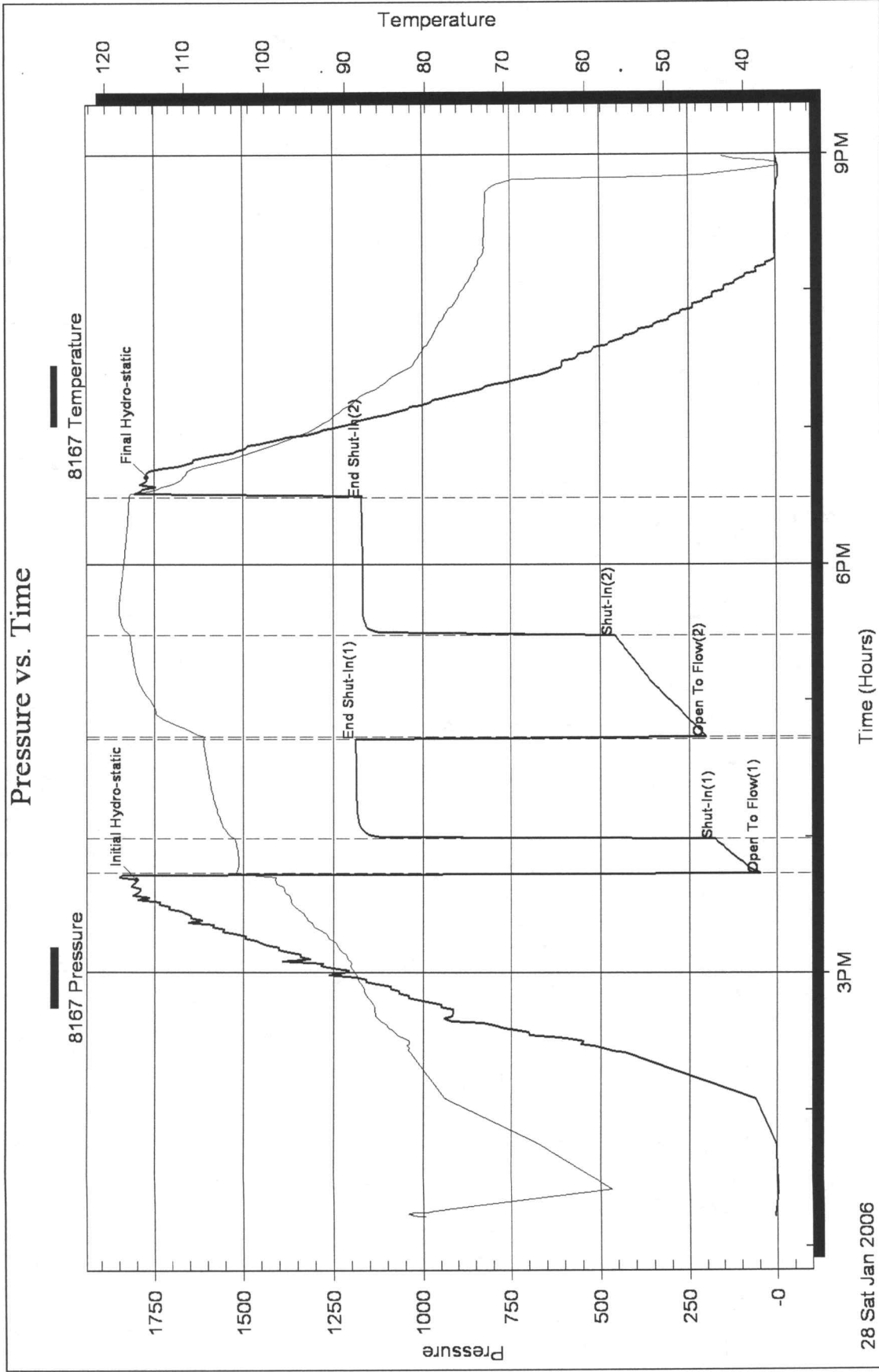
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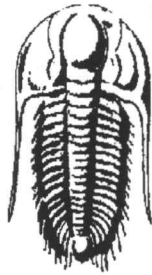
Inside

Murfin Drilling Co Inc

3-11s-21w Trego

DST Test Number: 4





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: David Doyel

3-11s-21w Trego

Hadlew Unit #1-3

Start Date: 2006.01.29 @ 02:23:51

End Date: 2006.01.29 @ 08:37:50

Job Ticket #: 22694 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Co Inc

Hadlew Unit #1-3

3-11s-21w Trego

DST # 5

Arbuckle

2006.01.29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202
ATTN: David Doyel

Hadlew Unit #1-3
3-11s-21w Trego
Job Ticket: 22694 **DST#: 5**
Test Start: 2006.01.29 @ 02:23:51

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 04:37:20
Time Test Ended: 08:37:50
Interval: **3740.00 ft (KB) To 3750.00 ft (KB) (TVD)**
Total Depth: **3750.00 ft (KB) (TVD)**
Hole Diameter: **7.85 inches** Hole Condition: **Poor**
Test Type: **Conventional Bottom Hole**
Tester: **Ray Schwager**
Unit No: **28**
Reference Elevations: **2111.00 ft (KB)**
2106.00 ft (CF)
KB to GR/CF: **5.00 ft**

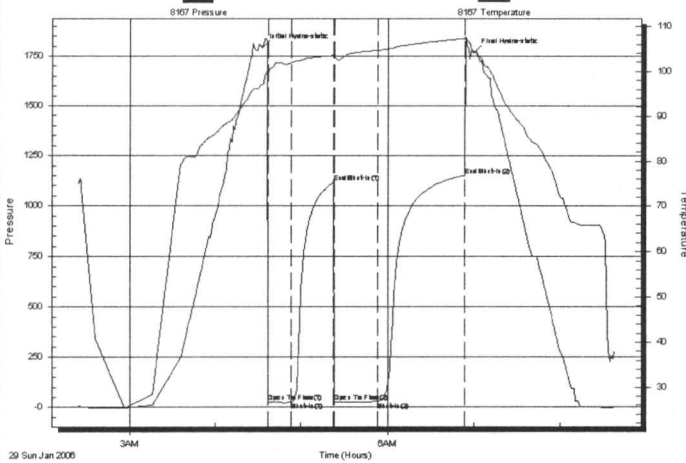
Serial #: 8167

Inside

Press@RunDepth: **28.09 psig @ 3741.01 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2006.01.29** End Date: **2006.01.29** Last Calib.: **2006.01.29**
Start Time: **02:23:51** End Time: **08:37:50** Time On Btm: **2006.01.29 @ 04:33:20**
Time Off Btm: **2006.01.29 @ 06:59:50**

TEST COMMENT: IFF-w k bl thru-out 1"bl
FFP-w k bl thru-out 1/2"bl
Times 15-30-30-60
no bl on shut-in

Pressure vs. Time



PRESSURE SUMMARY

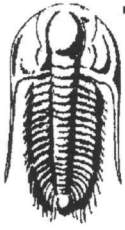
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1793.90	97.12	Initial Hydro-static
4	23.72	99.71	Open To Flow (1)
20	25.44	101.84	Shut-In(1)
49	1118.14	103.57	End Shut-In(1)
50	25.15	102.97	Open To Flow (2)
80	28.09	104.71	Shut-In(2)
140	1151.27	107.35	End Shut-In(2)
147	1768.21	104.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOCM2%O 10%W 88%M	0.10

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 Ste 300
Wichita KS 67202
ATTN: David Doyel

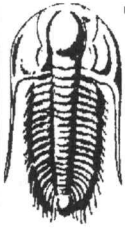
Hadlew Unit #1-3
3-11s-21w Trego
Job Ticket: 22694 **DST#: 5**
Test Start: 2006.01.29 @ 02:23:51

Tool Information

Drill Pipe:	Length: 3549.00 ft	Diameter: 3.80 inches	Volume: 49.78 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: 50000.00 lb
			<u>Total Volume: 50.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3740.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.02 ft			
Tool Length:	31.02 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			3720.00	
Shut In Tool	5.00			3725.00	
Hydraulic tool	5.00			3730.00	
Packer	5.00			3735.00	21.00 Bottom Of Top Packer
Packer	5.00			3740.00	
Stubb	1.00			3741.00	
Recorder	0.01	8167	Inside	3741.01	
Perforations	6.00			3747.01	
Recorder	0.01	13534	Outside	3747.02	
Bullnose	3.00			3750.02	10.02 Bottom Packers & Anchor
Total Tool Length:	31.02				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Hadlew Unit #1-3

250 N Water Ste 300
Wichita KS 67202

3-11s-21w Trego

Job Ticket: 22694

DST#: 5

ATTN: David Doyel

Test Start: 2006.01.29 @ 02:23:51

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	SOCM 2%O 10%W 88%M	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

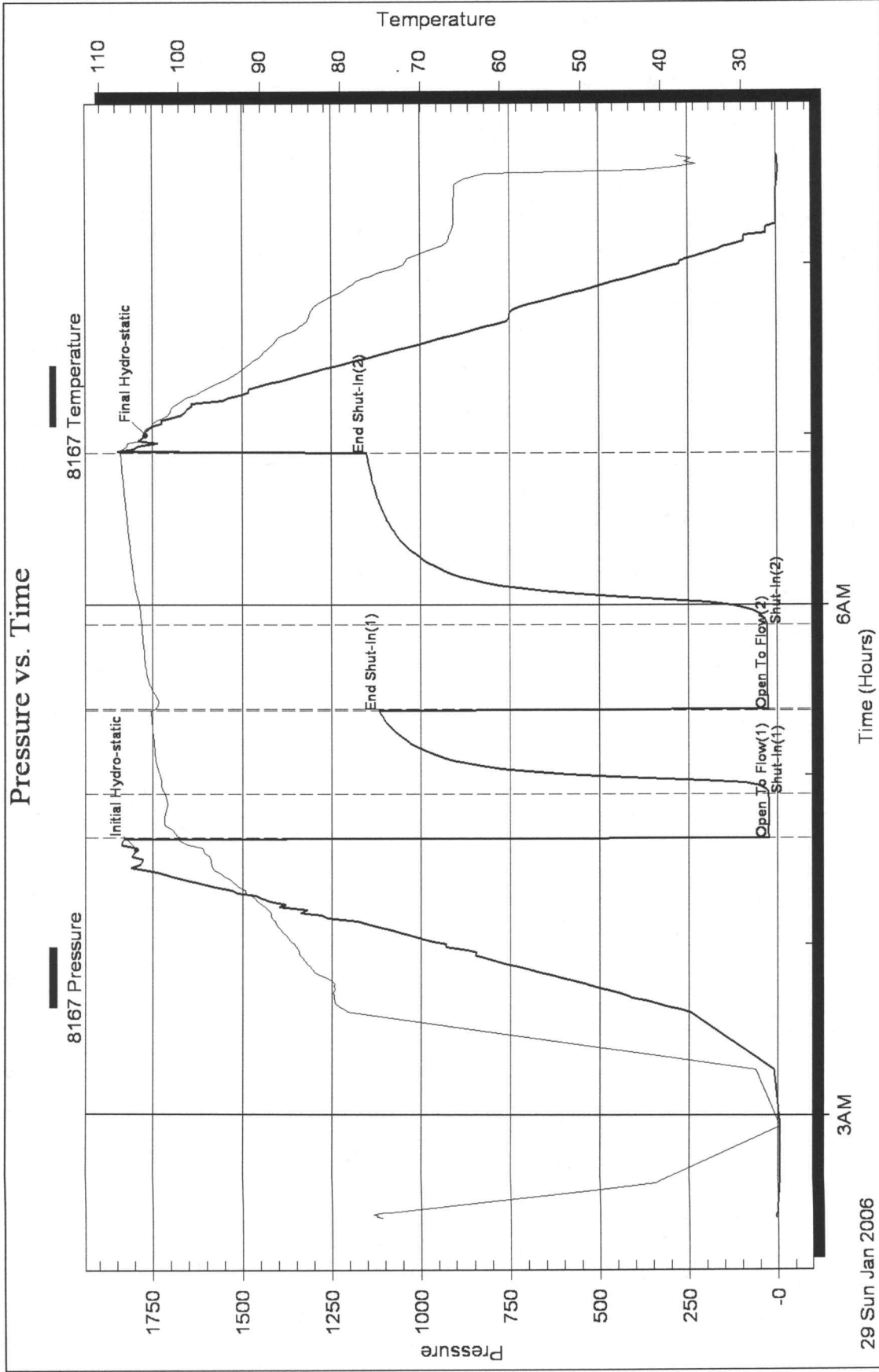
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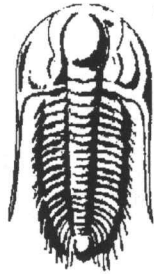
Inside

Murfin Drilling Co Inc

3-11s-21w Trego

DST Test Number: 5





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: David Doyel

3-11s-21w Trego

Hadlew Unit #1-3

Start Date: 2006.01.29 @ 13:55:27

End Date: 2006.01.29 @ 21:46:56

Job Ticket #: 22695 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Co Inc

Hadlew Unit #1-3

3-11s-21w Trego

DST # 6

Arbuckle

2006.01.29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202
ATTN: David Doyel

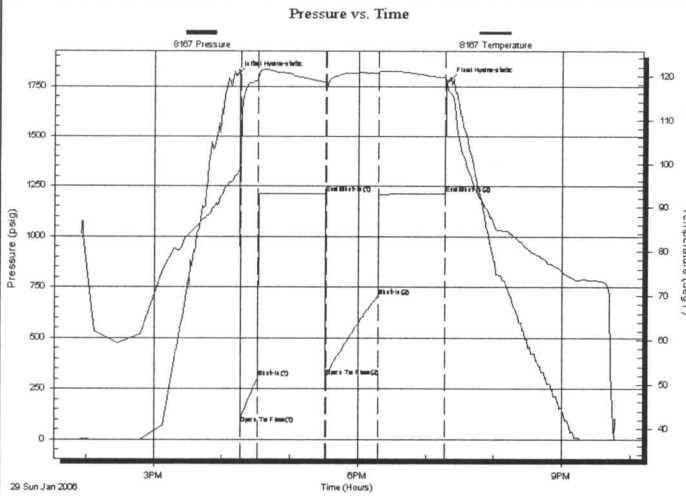
Hadlew Unit #1-3
3-11s-21w Trego
Job Ticket: 22695 **DST#: 6**
Test Start: 2006.01.29 @ 13:55:27

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:16:56
Time Test Ended: 21:46:56
Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 28
Interval: **3750.00 ft (KB) To 3760.00 ft (KB) (TVD)**
Reference Elevations: 2111.00 ft (KB)
Total Depth: 3760.00 ft (KB) (TVD) 2106.00 ft (CF)
Hole Diameter: 7.85 inches Hole Condition: Fair KB to GRVCF: 5.00 ft

Serial #: 8167 **Inside**
Press@RunDepth: 704.88 psig @ 3751.01 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.01.29 End Date: 2006.01.29 Last Calib.: 2006.01.29
Start Time: 13:55:27 End Time: 21:46:56 Time On Btm: 2006.01.29 @ 16:13:26
Time Off Btm: 2006.01.29 @ 19:19:56

TEST COMMENT: IFP-strg bl in 2 min
FFP-strg bl in 4 min
Times 15-60-45-60
ISIP-surface bl bk, FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1804.36	97.42	Initial Hydro-static
4	73.99	100.81	Open To Flow (1)
19	301.71	119.16	Shut-In(1)
78	1215.39	118.60	End Shut-In(1)
78	310.07	118.11	Open To Flow (2)
124	704.88	120.65	Shut-In(2)
184	1213.38	119.61	End Shut-In(2)
187	1774.32	116.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
620.00	Water RW .33@50 F	7.06
124.00	OCW 8%O 92%W	1.74
1054.00	CO	14.78

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

Hadlew Unit #1-3

250 N Water Ste 300
Wichita KS 67202

3-11s-21w Trego

Job Ticket: 22695

DST#: 6

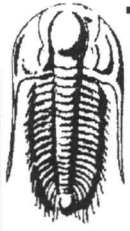
ATTN: David Doyel

Test Start: 2006.01.29 @ 13:55:27

Tool Information

Drill Pipe:	Length: 3579.00 ft	Diameter: 3.80 inches	Volume: 50.20 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: 50000.00 lb
			<u>Total Volume: 51.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3750.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.02 ft			
Tool Length:	31.02 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			3730.00	
Shut In Tool	5.00			3735.00	
Hydraulic tool	5.00			3740.00	
Packer	5.00			3745.00	21.00 Bottom Of Top Packer
Packer	5.00			3750.00	
Stubb	1.00			3751.00	
Recorder	0.01	8167	Inside	3751.01	
Perforations	6.00			3757.01	
Recorder	0.01	13534	Outside	3757.02	
Bullnose	3.00			3760.02	10.02 Bottom Packers & Anchor
Total Tool Length:	31.02				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc
250 N Water Ste 300
Wchita KS 67202
ATTN: David Doyel

Hadlew Unit #1-3
3-11s-21w Trego
Job Ticket: 22695 **DST#: 6**
Test Start: 2006.01.29 @ 13:55:27

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 23 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 28000 ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.77 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 8600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
620.00	Water RW .33@50 F	7.057
124.00	OCW 8%O 92%W	1.739
1054.00	CO	14.785

Total Length: 1798.00 ft Total Volume: 23.581 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8167

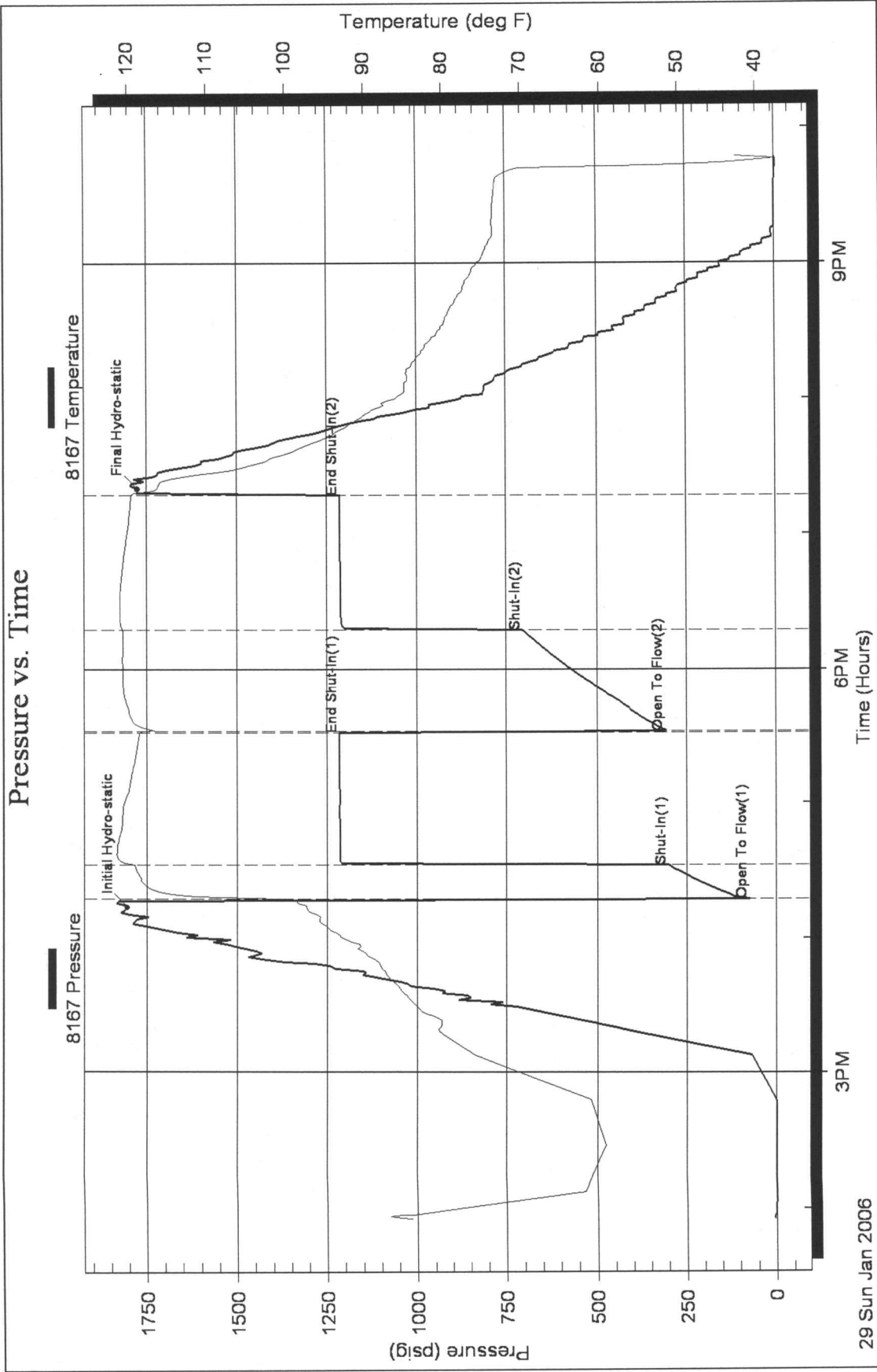
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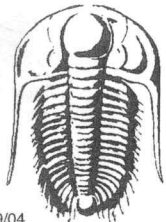
Murfin Drilling Co Inc

3-11s-21w Trego

DST Test Number: 6

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

8360

No 22690

9/04

Test Ticket

Well Name & No. Hadlew Unit #1-3 Test No. 1 Date 1-26-06
 Company Murfin Drilling Co, Inc Zone Tested LKC A-C
 Address 250 N. WATER, SUITE 300 WICHITA, KS 67202 Elevation 2111 KB 2106 GL
 Co. Rep / Geo. Ken Leblanc Cont. Murfin 8 Est. Ft. of Pay - Por. - %
 Location: Sec. 3 Twp. 11^s Rge. 21^w Co. Trego State Ko
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3410-3485 Initial Str Wt./Lbs. 34000 Unseated Str Wt/Lbs. 34000
 Anchor Length 75 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 45000
 Top Packer Depth 3405 Tool Weight 2200
 Bottom Packer Depth 3410 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3485 Wt. Pipe Run - Drill Collar Run 180
 Mud Wt. 9.2 LCM - Vis. 54 WL 7.2 Drill Pipe Size 4 1/2 XH Ft. Run 3237
 Blow Description IFP- WEAK Blow thru-out 1/2 TO 3/4" Blow
FFP WEAK Blow thru-out 1/4" Blow
NO BLOW ON SHUT-IN

Recovery - Total Feet 65 GIP - Ft. in DC 65 Ft. in DP -
 Rec. 65 Feet of Mud %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of w/ show of oil %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 2600 ppm System

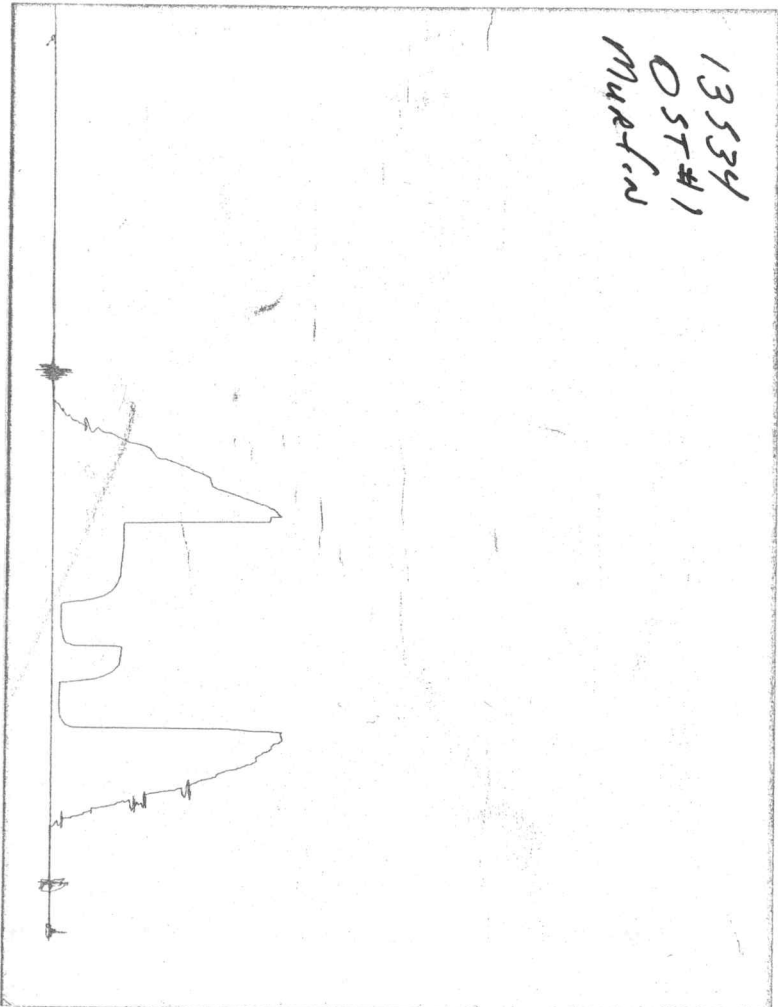
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1641</u>	PSI	<u>8167</u>	<u>1000</u>
(B) First Initial Flow Pressure	<u>34</u>	PSI	(depth) <u>3411</u>	Jars _____
(C) First Final Flow Pressure	<u>51</u>	PSI	Recorder No. <u>13534</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>552</u>	PSI	(depth) <u>3419</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>53</u>	PSI	Recorder No. <u>-</u>	Sampler _____
(F) Second Final Flow Pressure	<u>69</u>	PSI	(depth) <u>-</u>	Straddle _____
(G) Final Shut-In Pressure	<u>559</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1593</u>	PSI	Initial Shut-In <u>30</u>	Shale Packer _____
			Final Flow <u>30</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>✓ 70 RT 70</u>
			T-On Location <u>0845</u>	Sub Total: <u>1070</u>
			T-Started <u>0930</u>	Std. By _____
			T-Open <u>1205</u>	Other _____
			T-Pulled <u>1435</u>	Total: _____
			T-Out <u>1634</u>	

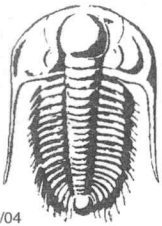
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Approved By Ken Leblanc

Our Representative Ray Schwager Thank you

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





TRILOBITE TESTING INC.

No 22691

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. Hadlew Unit #1-3 Test No. 2 Date 1-27-06
 Company Murfin Drilling Co. Inc Zone Tested Arbuckle
 Address 250 N. WATER, suite 300 WICHITA, Ks 67202 Elevation 2111 KB 2106 GL
 Co. Rep / Geo. Ken LeBlanc Cont. Murfin 8 Est. Ft. of Pay - Por. - %
 Location: Sec. 3 Twp. 11^s Rge. 21^w Co. Trego State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3708-3720 Initial Str Wt./Lbs. 35000 Unseated Str Wt./Lbs. 36000
 Anchor Length 12 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 45000
 Top Packer Depth 3703 Tool Weight 2200
 Bottom Packer Depth 3708 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 3720 Wt. Pipe Run - Drill Collar Run 180
 Mud Wt. 9.1 LCM 1 1/2# Vis. 51 WL 6.8 Drill Pipe Size 4 1/2XH Ft. Run 3518
 Blow Description IFP - WEAK TO STRONG IN 8 MIN
FFP - WEAK TO STRONG IN 11 MIN
ISIP - 1" BLOW BACK
FSIP - 1/4" BLOW BACK

Recovery - Total Feet 500 GIP 120 Ft. in DC 180 Ft. in DP 320
 Rec. 60 Feet of HO + GCM %gas 40 %oil - %water 50 %mud -
 Rec. 440 Feet of CO %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 115 °F Gravity 27 °API D @ 60 °F Corrected Gravity 27 °API
 RW - @ - °F Chlorides - ppm Recovery _____ Chlorides 3800 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1790</u> PSI	<u>8167</u>	<u>1000</u>	<input checked="" type="checkbox"/>
(B) First Initial Flow Pressure	<u>32</u> PSI	(depth) <u>3712</u>	Jars _____	
(C) First Final Flow Pressure	<u>106</u> PSI	Recorder No. <u>13534</u>	Safety Jt. _____	
(D) Initial Shut-In Pressure	<u>1164</u> PSI	(depth) <u>3717</u>	Circ Sub _____	
(E) Second Initial Flow Pressure	<u>115</u> PSI	Recorder No. <u>-</u>	Sampler _____	
(F) Second Final Flow Pressure	<u>185</u> PSI	(depth) <u>-</u>	Straddle _____	
(G) Final Shut-In Pressure	<u>1165</u> PSI	Initial Opening <u>15</u>	Ext. Packer _____	
(Q) Final Hydrostatic Mud	<u>1751</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____	
		Final Flow <u>30</u>	Ruined Packer _____	
		Final Shut-In <u>60</u>	Mileage <input checked="" type="checkbox"/> <u>70RT</u> <u>70</u>	
		T-On Location <u>0900</u>	Sub Total: <u>1070</u>	
		T-Started <u>0931</u>	Std. By _____	
		T-Open <u>1125</u>	Other _____	
		T-Pulled <u>1340</u>	Total: _____	
		T-Out <u>1554</u>		

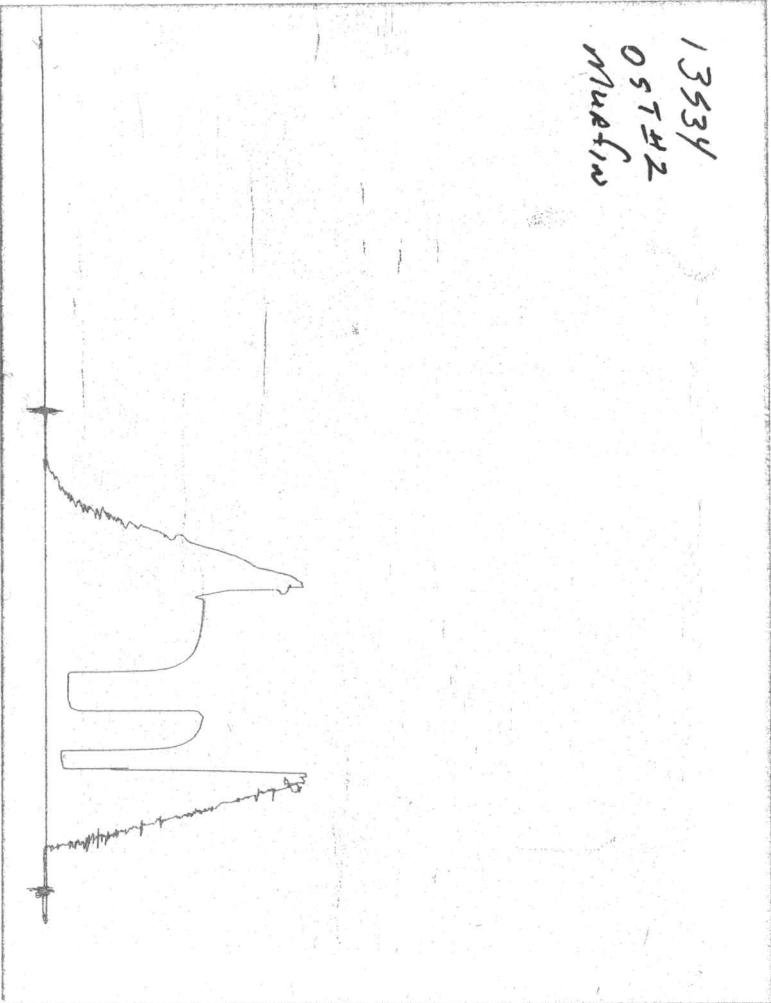
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

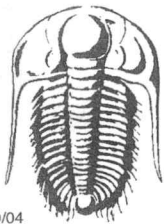
Approved By Ken LeBlanc

Our Representative RAY SCHWAGER thank you

CHART PAGE

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





TRILOBITE TESTING INC.

No 22692

P.O. Box 362 • Hays, Kansas 67601

9/04

Test Ticket

Well Name & No. Hadlew Unit #1-3 Test No. 3 Date 1-27-06
 Company Murfin Drilling Co Inc Zone Tested Arbuckle
 Address 250 N. WATER, suite 300 WICHITA, Ks 67202 Elevation 2111 KB 2106 GL
 Co. Rep / Geo. Ken Le Blanc Cont. Murfin 8 Est. Ft. of Pay - Por. - %
 Location: Sec. 3 Twp. 11^s Rge. 21^w Co. Trego State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3720-3730 Initial Str Wt./Lbs. 36000 Unseated Str Wt./Lbs. 46000
 Anchor Length 10 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 55000
 Top Packer Depth 3715 Tool Weight 2200
 Bottom Packer Depth 3720 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 3730 Wt. Pipe Run - Drill Collar Run 180
 Mud Wt. 9.4 LCM 1 1/2 # Vis. 50 WL 7.2 Drill Pipe Size 4 1/2 XH Ft. Run 3549
 Blow Description IFP - Strong Blow in 1 min
FFP - Strong Blow in 2 min
ISIP - surface Blow Back
FSIP - surface Blow Back

Recovery - Total Feet 2975 GIP 60 Ft. in DC 180 Ft. in DP 2795
 Rec. 60 Feet of MGO 10 %gas 60 %oil %water 30 %mud
 Rec. 2915 Feet of CO %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 118 °F Gravity 27 °API D @ 60 °F Corrected Gravity 27 °API
 RW - @ _____ °F Chlorides - ppm Recovery _____ Chlorides 6700 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1822</u> PSI	<u>8167</u>	<u>1000</u>	<input checked="" type="checkbox"/>
(B) First Initial Flow Pressure	<u>249</u> PSI	(depth) <u>3721</u>	Jars _____	
(C) First Final Flow Pressure	<u>628</u> PSI	Recorder No. <u>13534</u>	Safety Jt. _____	
(D) Initial Shut-In Pressure	<u>1178</u> PSI	(depth) <u>3727</u>	Circ Sub _____	
(E) Second Initial Flow Pressure	<u>655</u> PSI	Recorder No. _____	Sampler _____	
(F) Second Final Flow Pressure	<u>1114</u> PSI	(depth) <u>-</u>	Straddle _____	
(G) Final Shut-In Pressure	<u>1167</u> PSI	Initial Opening <u>15</u>	Ext. Packer _____	
(Q) Final Hydrostatic Mud	<u>1760</u> PSI	Initial Shut-In <u>60</u>	Shale Packer _____	

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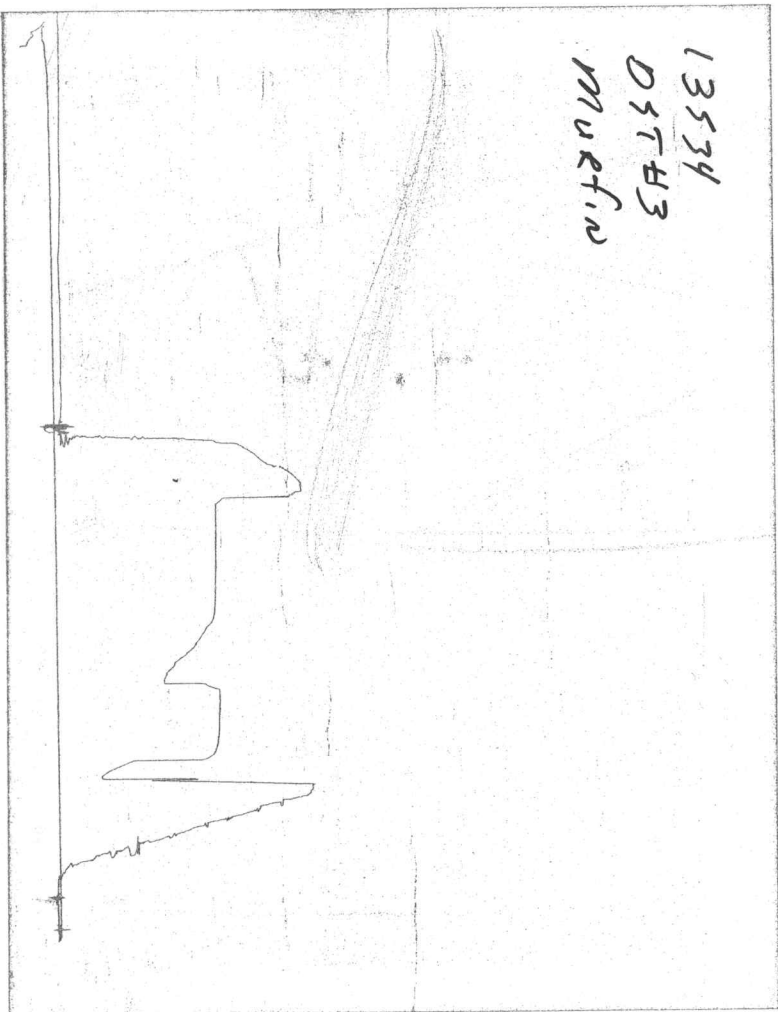
Approved By Ken Le Blanc

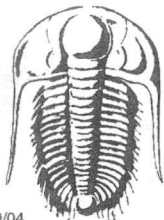
Our Representative RAY SCHWAGER Thank you

Final Flow 45 Ruined Packer _____
 Final Shut-In 90 Mileage 70 RT 70
 T-On Location 2145 Sub Total: 1070
 T-Started 2231 Std. By 1 3/4 87.50
 T-Open 0030 Other _____
 T-Pulled 0400 Total: 1157.50
 T-Out 0729

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22693

9/04

Test Ticket

Well Name & No. Hadlew Unit #1-3 Test No. 4 Date 1-28-06
 Company Murfin Drilling Co Inc Zone Tested Arbuckle
 Address 250 N. WATER, suite 300 WICHITA, KS 67202 Elevation 2111 KB 2106 GL
 Co. Rep / Geo. Ken LeBlanc Cont. Murfin 8 Est. Ft. of Pay - Por. - %
 Location: Sec. 3 Twp. 11^s Rge. 21^w Co. Trego State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3730 - 3740 Initial Str Wt./Lbs. 35000 Unseated Str Wt./Lbs. 38000
 Anchor Length 10 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 45000
 Top Packer Depth 3725 Tool Weight 2200
 Bottom Packer Depth 3730 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 3740 Wt. Pipe Run - Drill Collar Run 180
 Mud Wt. 9 LCM 1 1/2# Vis. 47 WL 6.8 Drill Pipe Size 4 1/2XH Ft. Run 3549
 Blow Description IFP - STRONG BLOW IN 4 MIN
FFP - STRONG BLOW IN 6 MIN
ISTP - SURFACE BLOW BACK
FSIP - SURFACE BLOW BACK

Recovery - Total Feet 1240 GIP _____ Ft. in DC 180 Ft. in DP 1060
 Rec. 60 Feet of M60 15 %gas 45 %oil _____ %water 40 %mud _____
 Rec. 1180 Feet of C0 %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 117 °F Gravity 23 °API D @ 40 °F Corrected Gravity 25 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 6900 ppm System

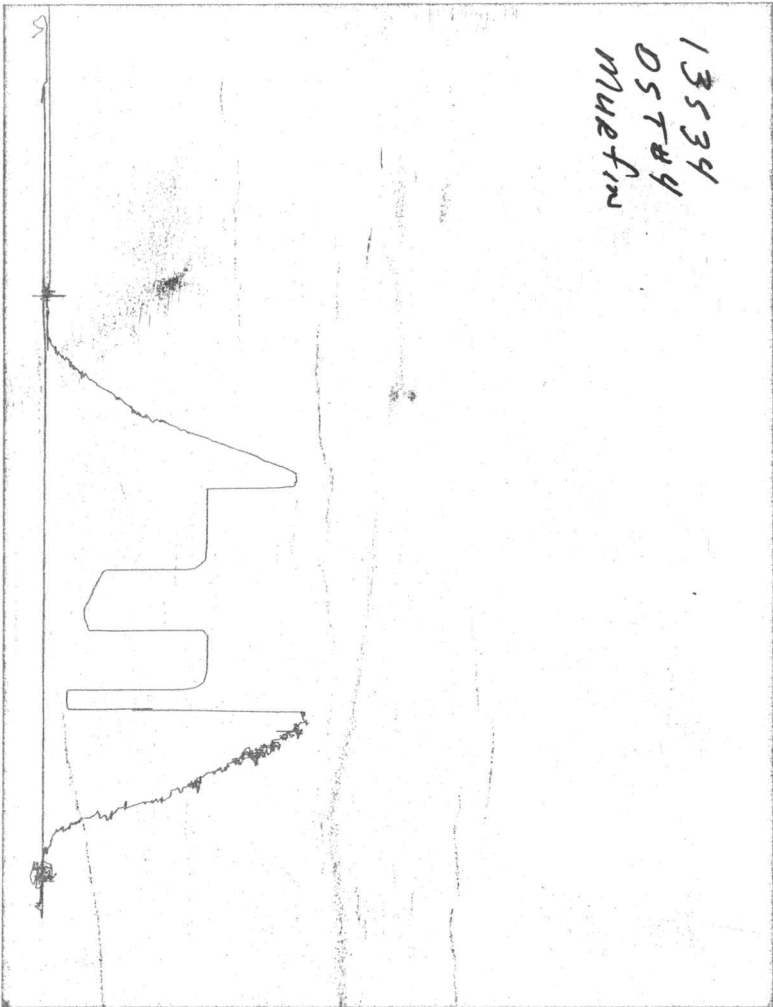
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1802</u> PSI	<u>1802</u> PSI	<u>8167</u>	<u>1000</u>
(B) First Initial Flow Pressure	<u>47</u> PSI	<u>47</u> PSI	(depth) <u>3731</u>	Jars _____
(C) First Final Flow Pressure	<u>176</u> PSI	<u>176</u> PSI	Recorder No. <u>13534</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1186</u> PSI	<u>1186</u> PSI	(depth) <u>3737</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>201</u> PSI	<u>201</u> PSI	Recorder No. <u>-</u>	Sampler _____
(F) Second Final Flow Pressure	<u>458</u> PSI	<u>458</u> PSI	(depth) <u>-</u>	Straddle _____
(G) Final Shut-In Pressure	<u>1170</u> PSI	<u>1170</u> PSI	Initial Opening <u>15</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1772</u> PSI	<u>1772</u> PSI	Initial Shut-In <u>45 45</u>	Shale Packer _____
			Final Flow <u>45</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>70 RT 70</u>
			T-On Location <u>1230</u>	Sub Total: <u>1070</u>
			T-Started <u>1312</u>	Std. By <u>12hr 25</u>
			T-Open <u>1545</u>	Other _____
			T-Pulled <u>1830</u>	Total: <u>81095</u>
			T-Out <u>2058</u>	

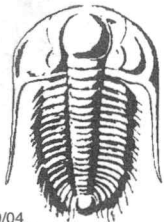
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By Ken LeBlanc
 Our Representative RAY SCHWAGER Thank 404

CHART PAGE

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





TRILOBITE TESTING INC.

No 22694

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. HadLew Unit #1-3 Test No. 5 Date 1-29-06
 Company Murfin Drilling Co Inc Zone Tested Arbuckle
 Address 250 N. WATER, suite 300 Wichita, Ks 67202 Elevation 2111 KB 2106 GL
 Co. Rep / Geo. Ken LeBlanc Cont. Murfin 8 Est. Ft. of Pay - Por. - %
 Location: Sec. 3 Twp. 11^s Rge. 21^w Co. Trego State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3740-3750 Initial Str Wt./Lbs. 35000 Unseated Str Wt./Lbs. 35000
 Anchor Length 10 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 50000
 Top Packer Depth 3735 Tool Weight 2200
 Bottom Packer Depth 3740 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 3750 Wt. Pipe Run - Drill Collar Run 180
 Mud Wt. 9.3 LCM 1 1/2# Vis. 46 WL 6.8 Drill Pipe Size 4 1/2 X # Ft. Run 3549
 Blow Description IFP- WEAK Blow thru-out 1" Blow
FFP- WEAK Blow thru-out 1/2" Blow
ISIP- NO BLOW
FSIP- NO BLOW

Recovery - Total Feet 20 GIP - Ft. in DC 20 Ft. in DP -
 Rec. 20 Feet of SOCM %gas 2 %oil 10 %water 88 %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 107 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW - @ - °F Chlorides _____ ppm Recovery _____ Chlorides 6900 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1793</u> PSI		<u>8167</u>	<input checked="" type="checkbox"/>
(B) First Initial Flow Pressure	<u>23</u> PSI		(depth) <u>3741</u>	Jars _____
(C) First Final Flow Pressure	<u>25</u> PSI		Recorder No. <u>13534</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1118</u> PSI		(depth) <u>3747</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>25</u> PSI		Recorder No. <u>-</u>	Sampler _____
(F) Second Final Flow Pressure	<u>28</u> PSI		(depth) <u>-</u>	Straddle _____
(G) Final Shut-In Pressure	<u>1151</u> PSI	Initial Opening	<u>15</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1768</u> PSI	Initial Shut-In	<u>30</u>	Shale Packer _____
		Final Flow	<u>30</u>	Ruined Packer _____
		Final Shut-In	<u>60</u>	Mileage <u>70 RT</u>

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T-On Location	T-Started	T-Open	T-Pulled	T-Out
<u>0200</u>	<u>0223</u>	<u>0440</u>	<u>0655</u>	<u>0837</u>

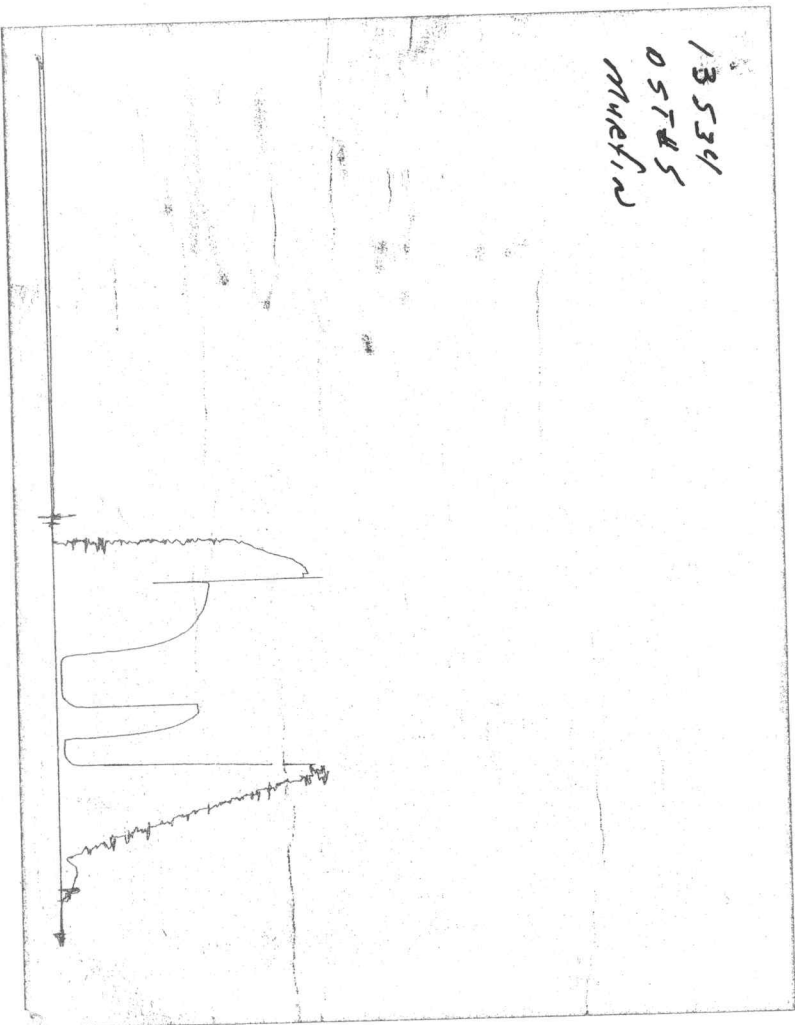
Approved By Ken LeBlanc

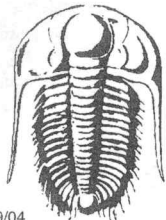
Our Representative Ray Schwager Thank you

Sub Total: 1070
 Std. By _____
 Other _____
 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 22695

Test Ticket

Well Name & No. Hadlew Unit #1-3 Test No. 6 Date 1-29-06
 Company Murfin Drilling Co Inc Zone Tested Arbuckle
 Address 250 N. WATER, suite 300 WICHITA, Ks 67202 Elevation 2111 KB 2106 GL
 Co. Rep / Geo. Ken LeBlanc Cont. Murfin 8 Est. Ft. of Pay - Por. - %
 Location: Sec. 3 Twp. 11^s Rge. 21^w Co. Trego State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3750-3760 Initial Str Wt./Lbs. 35600 Unseated Str Wt/Lbs. 40000
 Anchor Length 10 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 50000
 Top Packer Depth 3745 Tool Weight 2200
 Bottom Packer Depth 3750 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 3760 Wt. Pipe Run - Drill Collar Run 180
 Mud Wt. 9.1 LCM 1# Vis. 44 WL 6.8 Drill Pipe Size 4 1/2 x H Ft. Run 3579
 Blow Description IFP - STRONG BLOW IN 2 MIN
FFP - STRONG BLOW IN 4 MIN
ISIP - SURFACE BLOW BACK
FSIP - NO BLOW BACK

Recovery - Total Feet 1798 GIP - Ft. in DC 180 Ft. in DP 1618
 Rec. 1054 Feet of CO %gas _____ %oil _____ %water _____ %mud _____
 Rec. 124 Feet of OCW %gas 8 %oil 92 %water _____ %mud _____
 Rec. 620 Feet of WATER %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 119 °F Gravity 22 °API D @ 50 °F Corrected Gravity 23 °API
 RW .33 @ 50 °F Chlorides 28000 ppm Recovery _____ Chlorides 8600 ppm System

	AK-1	Alpine	PSI	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1804</u>		<u>8167</u>	<input checked="" type="checkbox"/>
(B) First Initial Flow Pressure		<u>73</u>		(depth) <u>3751</u>	Jars _____
(C) First Final Flow Pressure		<u>301</u>		Recorder No. <u>13534</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>1215</u>		(depth) <u>3757</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>310</u>		Recorder No. <u>-</u>	Sampler _____
(F) Second Final Flow Pressure		<u>204</u>		(depth) <u>-</u>	Straddle _____
(G) Final Shut-In Pressure		<u>1213</u>		Initial Opening <u>15</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1774</u>		Initial Shut-In <u>60</u>	Shale Packer _____

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Approved By Ken LeBlanc

Our Representative Ray Schwager Thank you

Final Flow	<u>45</u>	Ruined Packer	_____
Final Shut-In	<u>60</u>	Mileage	<u>70 RT</u>
T-On Location	<u>1330</u>	Sub Total:	<u>1070</u>
T-Started	<u>1355</u>	Std. By	_____
T-Open	<u>1615</u>	Other	_____
T-Pulled	<u>1915</u>	Total:	_____
T-Out	<u>2146</u>		

CHART PAGE

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

