



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

1 20S 13W Barton KS

Rogers 1-1

Start Date: 2006.08.21 @ 22:10:07

End Date: 2006.08.22 @ 03:39:46

Job Ticket #: 25658 DST #: 1

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25658

DST#: 1

Test Start: 2006.08.21 @ 22:10:07

GENERAL INFORMATION:

Formation: **Lansing C&D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:02:32

Time Test Ended: 03:39:46

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **3215.00 ft (KB) To 3246.00 ft (KB) (TVD)**

Total Depth: 3246.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1841.00 ft (KB)

1836.00 ft (CF)

KB to GRVCF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 14.85 psig @ 3216.00 ft (KB)

Start Date: 2006.08.21

End Date:

2006.08.22

Start Time: 22:10:07

End Time:

03:39:46

Capacity: 7000.00 psig

Last Calib.: 2006.08.22

Time On Btm: 2006.08.22 @ 00:02:17

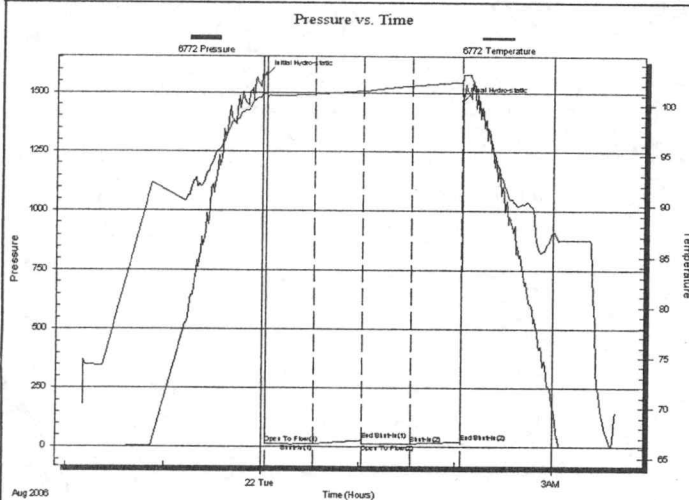
Time Off Btm: 2006.08.22 @ 02:03:47

TEST COMMENT: IF Surface blow died in 5 min.

IS No return.

FF No blow.

FS No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1578.57	101.18	Initial Hydro-static
1	12.60	100.78	Open To Flow (1)
30	12.37	101.12	Shut-In(1)
60	28.47	101.46	End Shut-In(1)
60	13.96	101.45	Open To Flow (2)
90	14.85	101.96	Shut-In(2)
122	22.64	102.35	End Shut-In(2)
122	1466.10	102.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%M	0.02

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25658

DST#: 1

Test Start: 2006.08.21 @ 22:10:07

Tool Information

Drill Pipe:	Length: 3051.00 ft	Diameter: 3.80 inches	Volume: 42.80 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 154.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose: 42000.00 lb
		Total Volume:	43.56 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3215.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3196.00	
Shut In Tool	5.00			3201.00	
Hydraulic tool	5.00			3206.00	
Packer	5.00			3211.00	20.00 Bottom Of Top Packer
Packer	4.00			3215.00	
Stubb	1.00			3216.00	
Recorder	0.00	6772	Inside	3216.00	
Perforations	25.00			3241.00	
Recorder	0.00	7437	Outside	3241.00	
Bullnose	5.00			3246.00	31.00 Bottom Packers & Anchor
Total Tool Length:	51.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

Rogers 1-1

250 N Water Ste 300
Wichita KS 67202

1 20S 13W Barton KS

Job Ticket: 25658

DST#: 1

ATTN: Pat Deenihan

Test Start: 2006.08.21 @ 22:10:07

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 9.48 in³

Resistivity: 0.00 ohm.m

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

0 deg API

Water Salinity:

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	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 #: 6772

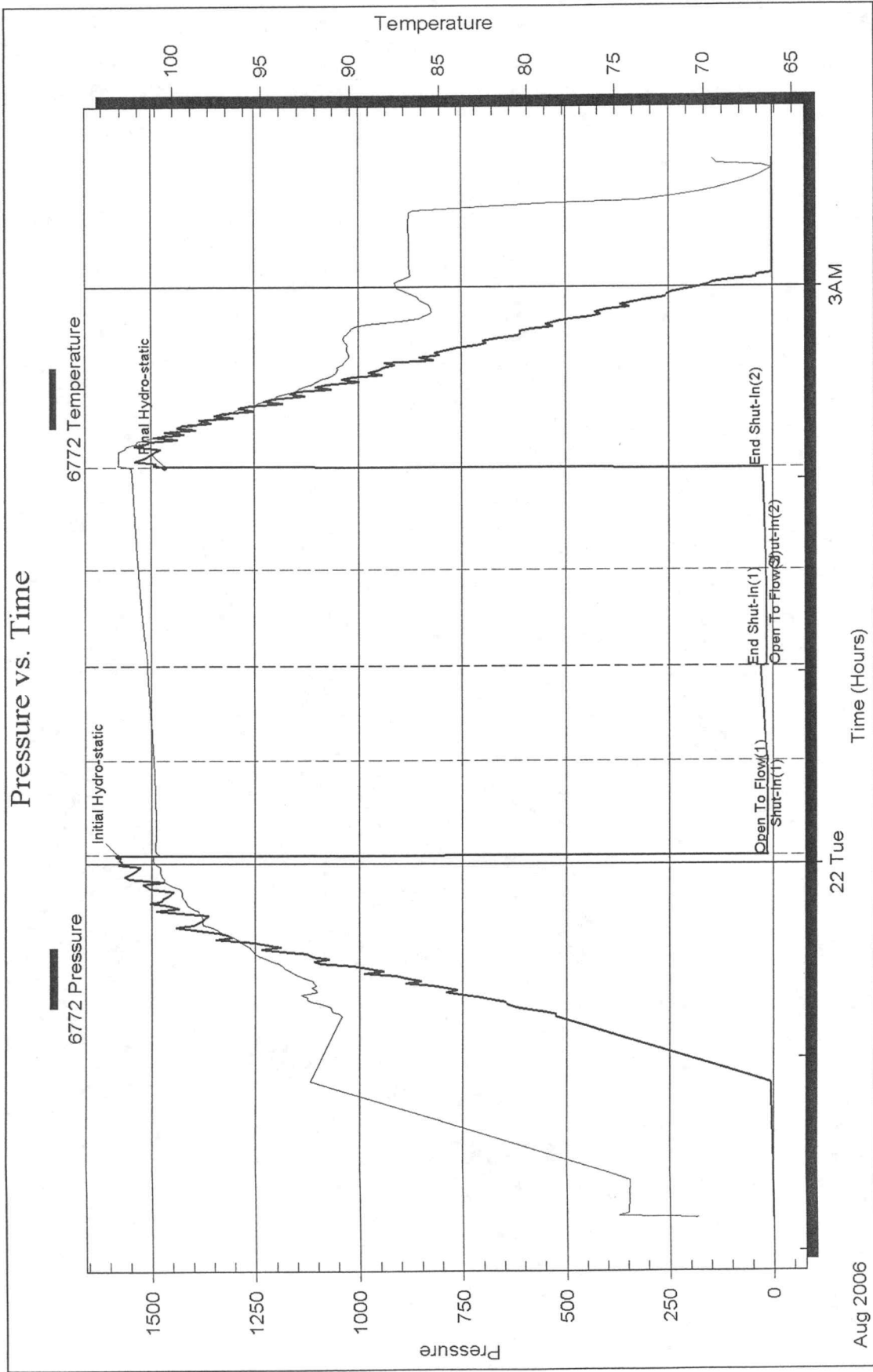
Inside

Murfin Drilling Company

1 20S 13W Barton KS

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

1 20S 13W Barton KS

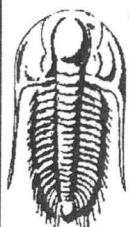
Rogers 1-1

Start Date: 2006.08.22 @ 09:32:19

End Date: 2006.08.22 @ 17:02:13

Job Ticket #: 25659 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 Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25659

DST#: 2

Test Start: 2006.08.22 @ 09:32:19

GENERAL INFORMATION:

Formation: **Lansing-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:17:44

Time Test Ended: 17:02:13

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **3230.00 ft (KB) To 3258.00 ft (KB) (TVD)**

Total Depth: 3258.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1841.00 ft (KB)

1836.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 127.66 psig @ 3231.00 ft (KB)

Start Date: 2006.08.22 End Date: 2006.08.22

Start Time: 09:32:19 End Time: 17:02:13

Capacity: 7000.00 psig

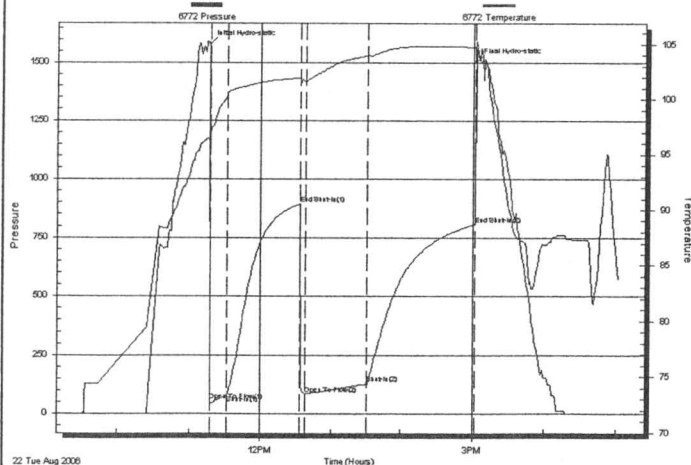
Last Calib.: 2006.08.22

Time On Btm: 2006.08.22 @ 11:17:14

Time Off Btm: 2006.08.22 @ 15:02:28

TEST COMMENT: IF 1/4 blow BOB in 2 min.
IS Surface blow built to 1/2 died in 18 min.
FF BOB in 2 min.
FS Gas to surface in 5 min. Surface blow built to 7 1/2 in 90 min.

Pressure vs. Time



22 Tue Aug 2006

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1579.12	96.31	Initial Hydro-static
1	53.50	96.15	Open To Flow (1)
16	77.88	100.56	Shut-In (1)
76	892.53	101.94	End Shut-In (1)
81	86.12	101.59	Open To Flow (2)
135	127.66	103.96	Shut-In (2)
225	806.21	104.73	End Shut-In (2)
226	1505.05	104.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCMW 2%O 78%W 20%M	0.05
238.00	WMCGO 70%G 20%O 5%W 5%M	2.03
93.00	M Oil spots 100%M	1.30

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25659

DST#: 2

Test Start: 2006.08.22 @ 09:32:19

Tool Information

Drill Pipe:	Length: 3083.00 ft	Diameter: 3.80 inches	Volume: 43.25 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 154.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose:	54000.00 lb
		Total Volume:	44.01 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	32000.00 lb
Depth to Top Packer:	3230.00 ft			Final	34000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	48.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			3211.00	
Shut In Tool	5.00			3216.00	
Hydraulic tool	5.00			3221.00	
Packer	5.00			3226.00	20.00 Bottom Of Top Packer
Packer	4.00			3230.00	
Stubb	1.00			3231.00	
Recorder	0.00	6772	Inside	3231.00	
Perforations	22.00			3253.00	
Recorder	0.00	7437	Outside	3253.00	
Bullnose	5.00			3258.00	28.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

Rogers 1-1

250 N Water Ste 300
Wichita KS 67202

1 20S 13W Barton KS

ATTN: Pat Deenihan

Job Ticket: 25659

DST#: 2

Test Start: 2006.08.22 @ 09:32:19

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 9.48 in³

Resistivity: 0.00 ohm.m

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

0 deg API

Water Salinity:

126000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCMW 2%O 78%W 20%M	0.049
238.00	WMC GO 70%G 20%O 5%W 5%M	2.027
93.00	M Oil spots 100%M	1.305

Total Length: 341.00 ft

Total Volume: 3.381 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

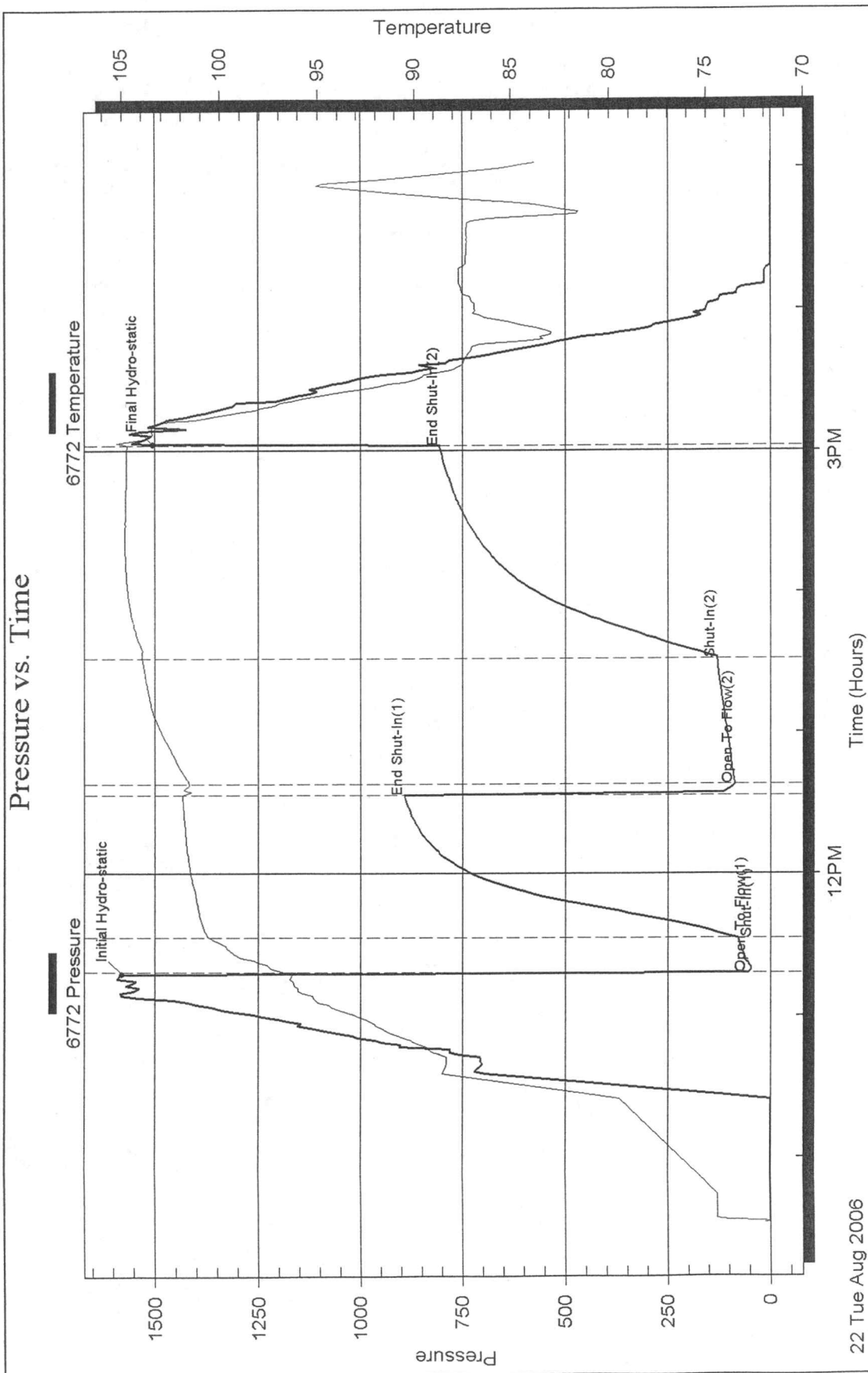
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

1 20S 13W Barton KS

Rogers 1-1

Start Date: 2006.08.23 @ 02:00:34

End Date: 2006.08.23 @ 09:52:28

Job Ticket #: 25660

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 Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25660

DST#: 3

Test Start: 2006.08.23 @ 02:00:34

GENERAL INFORMATION:

Formation: **Lansing- HI J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:50:59

Time Test Ended: 09:52:28

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **3306.00 ft (KB) To 3360.00 ft (KB) (TVD)**

Total Depth: 3360.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1841.00 ft (KB)

1836.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 86.60 psig @ 3307.00 ft (KB)

Start Date: 2006.08.23

End Date:

2006.08.23

Start Time: 02:00:34

End Time:

09:52:28

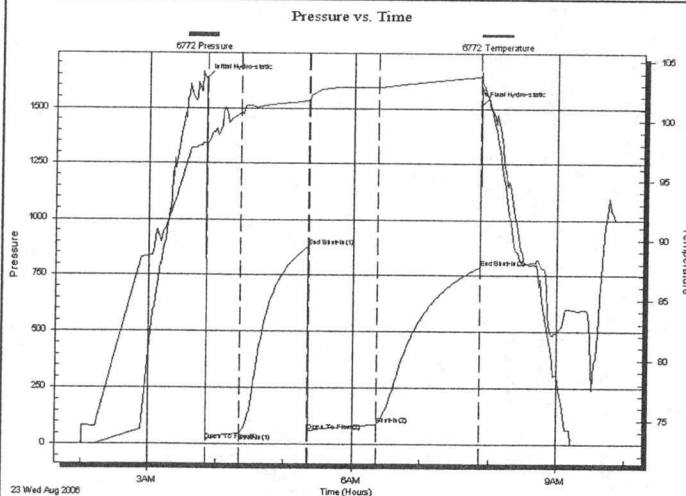
Capacity: 7000.00 psig

Last Calib.: 2006.08.23

Time On Btm: 2006.08.23 @ 03:50:44

Time Off Btm: 2006.08.23 @ 07:52:28

TEST COMMENT: IF Surface blow built to 3 in 30 min.
IS No return.
FF Surface blow built to 1 in 60 min.
FS No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1630.34	98.17	Initial Hydro-static
1	15.12	97.78	Open To Flow (1)
31	50.56	100.68	Shut-In(1)
90	877.11	101.70	End Shut-In(1)
91	59.05	101.63	Open To Flow (2)
151	86.60	102.83	Shut-In(2)
242	787.97	103.74	End Shut-In(2)
242	1514.36	104.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MCW 90%W 10%M	0.30
62.00	MW 50%W 50%M	0.30
30.00	M some Oil spots 100%M	0.15

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25660

DST#: 3

Test Start: 2006.08.23 @ 02:00:34

Tool Information

Drill Pipe:	Length: 3145.00 ft	Diameter: 3.80 inches	Volume: 44.12 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 154.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose:	42000.00 lb
		Total Volume:	44.88 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	32000.00 lb
Depth to Top Packer:	3306.00 ft			Final	32000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	54.00 ft				
Tool Length:	74.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3287.00	
Shut In Tool	5.00			3292.00	
Hydraulic tool	5.00			3297.00	
Packer	5.00			3302.00	20.00 Bottom Of Top Packer
Packer	4.00			3306.00	
Stubb	1.00			3307.00	
Recorder	0.00	6772	Inside	3307.00	
Perforations	15.00			3322.00	
Change Over Sub	1.00			3323.00	
Drill Pipe	31.00			3354.00	
Change Over Sub	1.00			3355.00	
Recorder	0.00	7437	Outside	3355.00	
Bullnose	5.00			3360.00	54.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

Rogers 1-1

250 N Water Ste 300
Wichita KS 67202

1 20S 13W Barton KS

Job Ticket: 25660

DST#: 3

ATTN: Pat Deenihan

Test Start: 2006.08.23 @ 02:00:34

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 10.11 in³

Resistivity: 0.00 ohm.m

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

0 deg API

Water Salinity:

44000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	MCW 90%W 10%M	0.305
62.00	MW 50%W 50%M	0.305
30.00	M some Oil spots 100%M	0.148

Total Length: 154.00 ft

Total Volume: 0.758 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

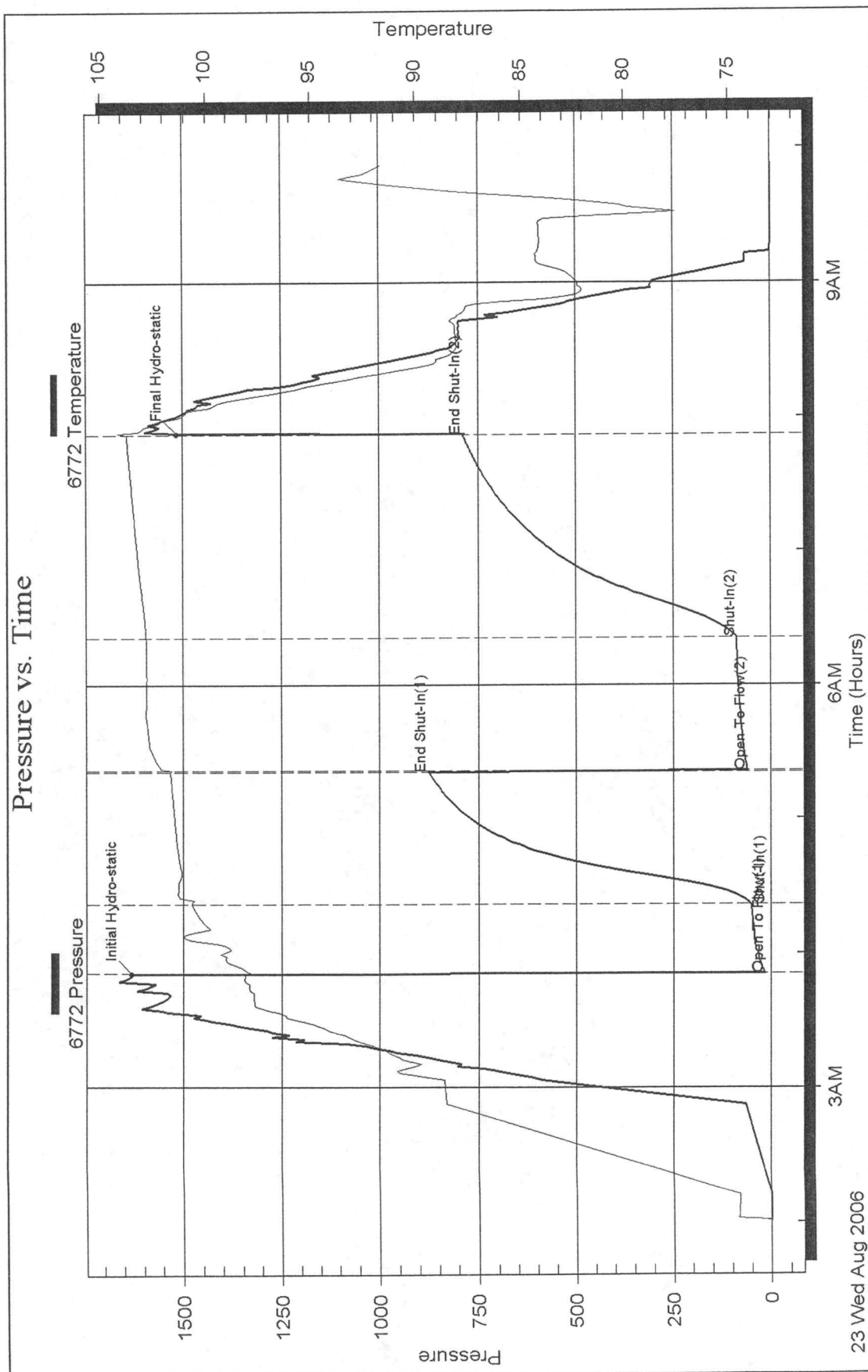
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

1 20S 13W Barton KS

Rogers 1-1

Start Date: 2006.08.23 @ 16:48:34

End Date: 2006.08.23 @ 22:28:58

Job Ticket #: 25661 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 Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25661

DST#: 4

Test Start: 2006.08.23 @ 16:48:34

GENERAL INFORMATION:

Formation: **Lansing K&L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:30:29

Time Test Ended: 22:28:58

Interval: **3366.00 ft (KB) To 3407.00 ft (KB) (TVD)**

Total Depth: 3407.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Reference Elevations: 1841.00 ft (KB)

1836.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 12.80 psig @ 3367.00 ft (KB)

Start Date: 2006.08.23

End Date:

2006.08.23

Start Time: 16:48:34

End Time:

22:28:58

Capacity: 7000.00 psig

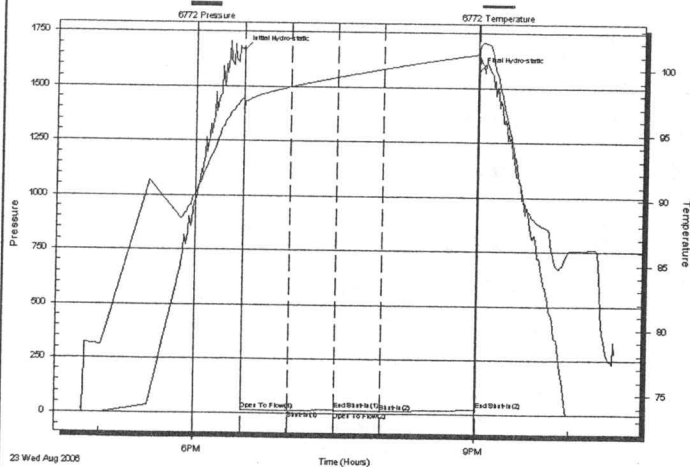
Last Calib.: 2006.08.23

Time On Btm: 2006.08.23 @ 18:30:14

Time Off Btm: 2006.08.23 @ 21:00:44

TEST COMMENT: IF Weak surface blow died in 2 min.
IS No return
FF No blow
FS No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1667.99	97.69	Initial Hydro-static
1	13.67	96.67	Open To Flow (1)
31	14.10	98.60	Shut-In(1)
61	18.67	99.36	End Shut-In(1)
61	12.76	99.37	Open To Flow (2)
90	12.80	100.03	Shut-In(2)
151	23.28	101.20	End Shut-In(2)
151	1576.53	101.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%M	0.02

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25661

DST#: 4

Test Start: 2006.08.23 @ 16:48:34

Tool Information

Drill Pipe:	Length: 3207.00 ft	Diameter: 3.80 inches	Volume: 44.99 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 154.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume:	45.75 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3366.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3347.00	
Shut In Tool	5.00			3352.00	
Hydraulic tool	5.00			3357.00	
Packer	5.00			3362.00	20.00 Bottom Of Top Packer
Packer	4.00			3366.00	
Stubb	1.00			3367.00	
Recorder	0.00	6772	Inside	3367.00	
Perforations	2.00			3369.00	
Change Over Sub	1.00			3370.00	
Drill Pipe	31.00			3401.00	
Change Over Sub	1.00			3402.00	
Recorder	0.00	7437	Outside	3402.00	
Bullnose	5.00			3407.00	41.00 Bottom Packers & Anchor

Total Tool Length: 61.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

Rogers 1-1

250 N Water Ste 300
Wichita KS 67202

1 20S 13W Barton KS

Job Ticket: 25661

DST#: 4

ATTN: Pat Deenihan

Test Start: 2006.08.23 @ 16:48:34

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100%M	0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

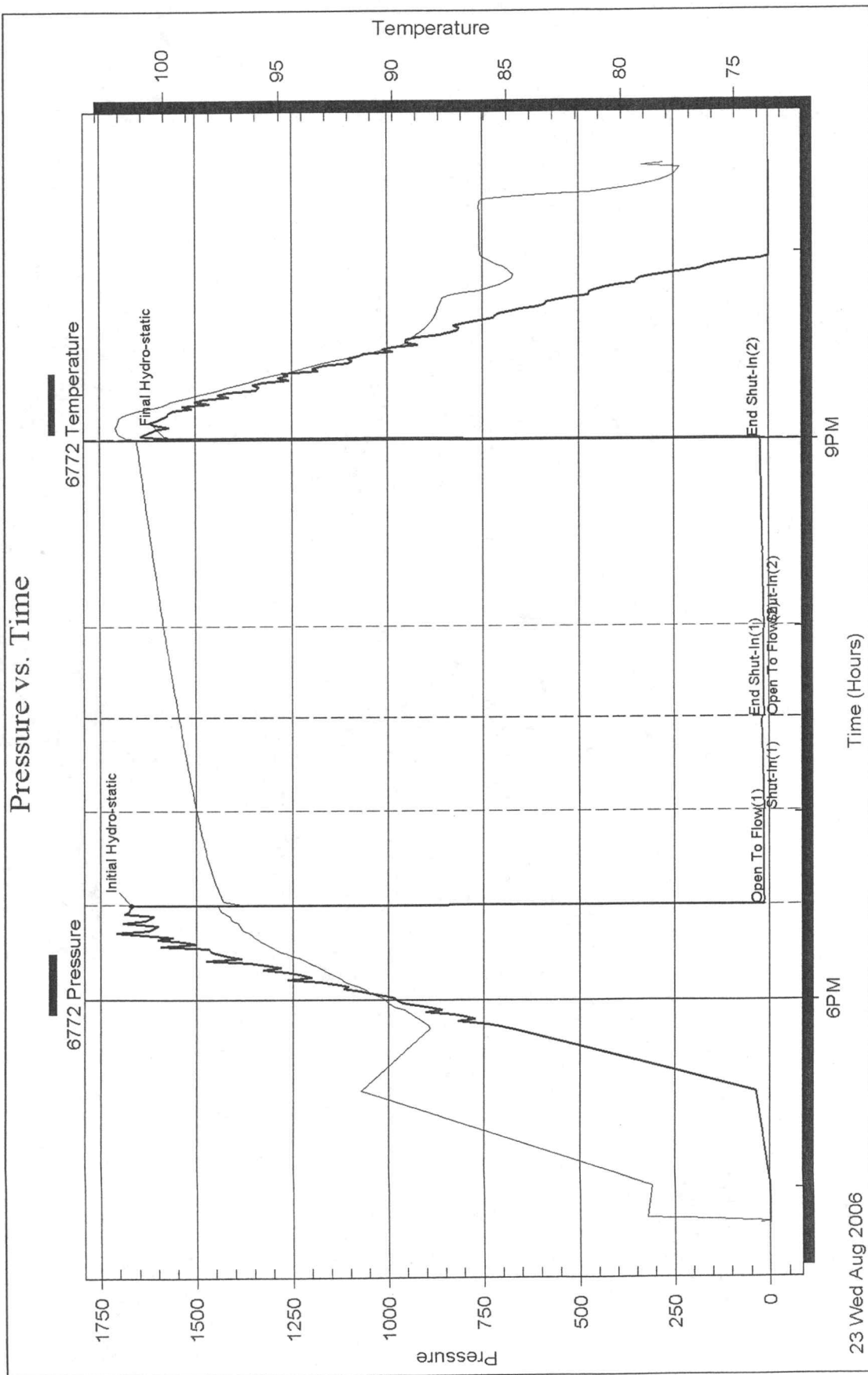
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

1 20S 13W Barton KS

Rogers 1-1

Start Date: 2006.08.24 @ 06:40:42

End Date: 2006.08.24 @ 12:43:21

Job Ticket #: 25662 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 Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25662

DST#: 5

Test Start: 2006.08.24 @ 06:40:42

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:34:52

Time Test Ended: 12:43:21

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **3386.00 ft (KB) To 3440.00 ft (KB) (TVD)**

Total Depth: 3440.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1841.00 ft (KB)

1836.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 17.91 psig @ 3387.00 ft (KB)

Start Date: 2006.08.24

End Date:

2006.08.24

Start Time: 06:40:42

End Time:

12:43:21

Capacity: 7000.00 psig

Last Calib.: 2006.08.24

Time On Btm: 2006.08.24 @ 08:34:22

Time Off Btm: 2006.08.24 @ 11:05:51

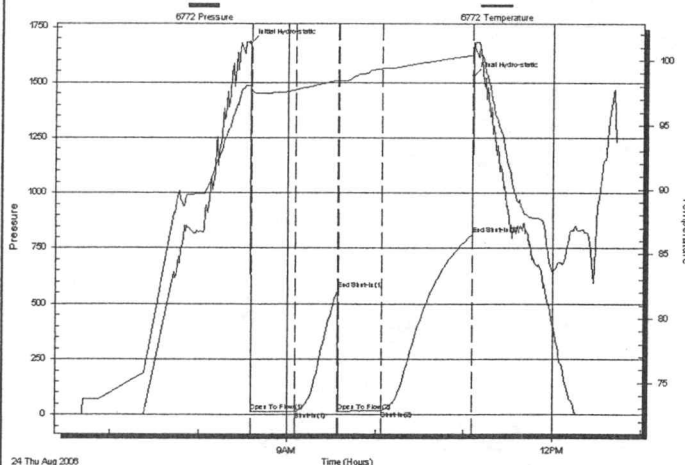
TEST COMMENT: IF: 1/4 blow died in 6 min.

IS: No return.

FF: No blow.

FS: No return.

Pressure vs. Time



24 Thu Aug 2006

Time (Hours)

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1677.81	98.05	Initial Hydro-static
1	13.83	97.67	Open To Flow (1)
31	14.25	97.74	Shut-In (1)
60	563.18	98.47	End Shut-In (1)
61	14.29	98.40	Open To Flow (2)
90	17.91	99.38	Shut-In (2)
152	812.75	100.41	End Shut-In (2)
152	1530.56	100.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	OCM 10%O 90%M	0.02
1.00	Free Oil 100%O	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company

Rogers 1-1

250 N Water Ste 300
Wichita KS 67202

1 20S 13W Barton KS

Job Ticket: 25662

DST#: 5

ATTN: Pat Deenihan

Test Start: 2006.08.24 @ 06:40:42

Tool Information

Drill Pipe:	Length: 3238.00 ft	Diameter: 3.80 inches	Volume: 45.42 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 154.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose: 40000.00 lb
		Total Volume: 46.18 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3386.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3367.00	
Shut In Tool	5.00			3372.00	
Hydraulic tool	5.00			3377.00	
Packer	5.00			3382.00	20.00 Bottom Of Top Packer
Packer	4.00			3386.00	
Stubb	1.00			3387.00	
Recorder	0.00	6772	Inside	3387.00	
Perforations	15.00			3402.00	
Change Over Sub	1.00			3403.00	
Drill Pipe	31.00			3434.00	
Change Over Sub	1.00			3435.00	
Recorder	0.00	7437	Outside	3435.00	
Bullnose	5.00			3440.00	54.00 Bottom Packers & Anchor
Total Tool Length:		74.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

Rogers 1-1

250 N Water Ste 300
Wichita KS 67202

1 20S 13W Barton KS

Job Ticket: 25662

DST#: 5

ATTN: Pat Deenihan

Test Start: 2006.08.24 @ 06:40:42

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 8.75 in³

Resistivity: 0.00 ohm.m

Salinity: 7300.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

0 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	OCM 10%O 90%M	0.020
1.00	Free Oil 100%O	0.005

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

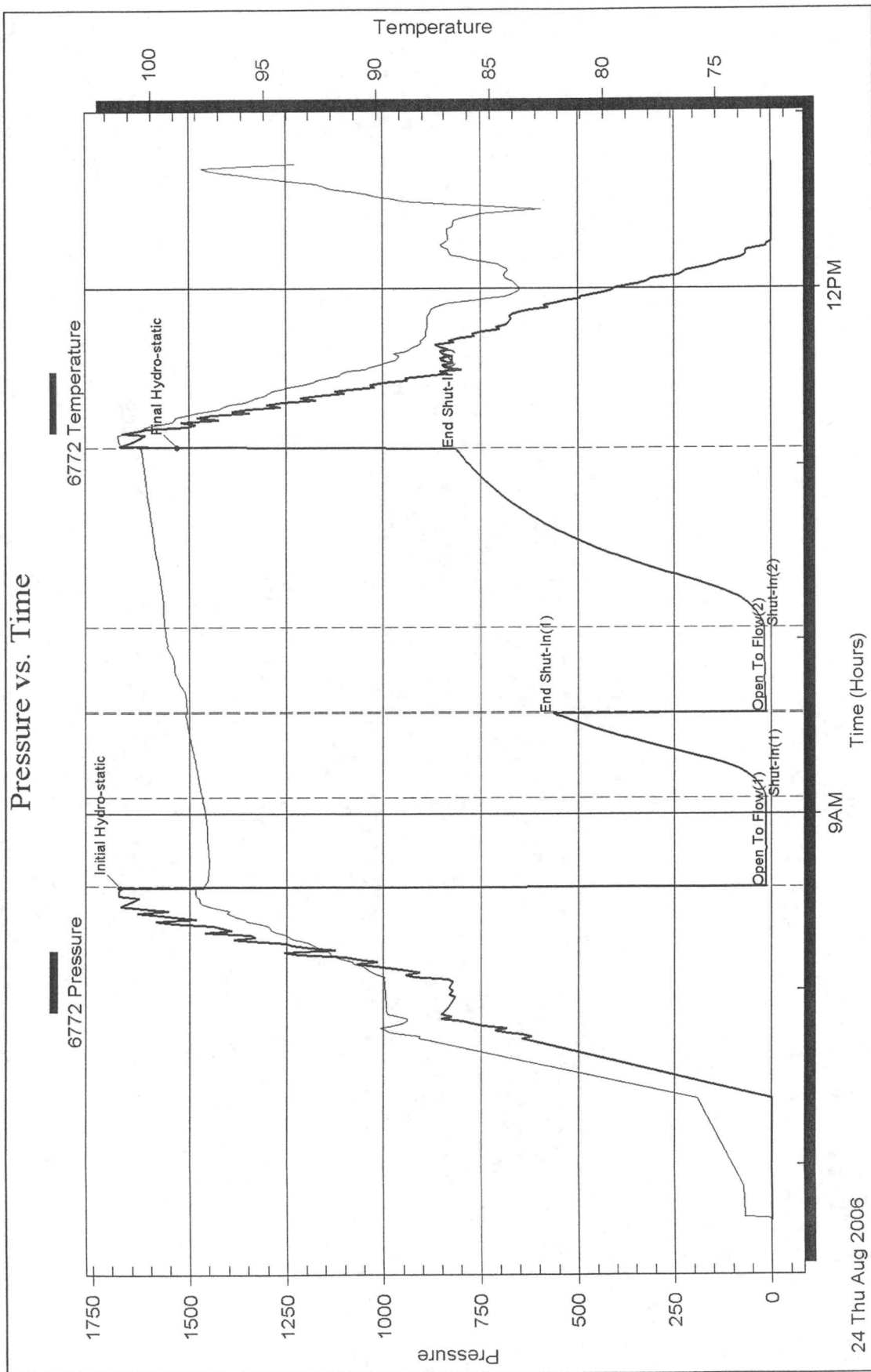
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

1 20S 13W Barton KS

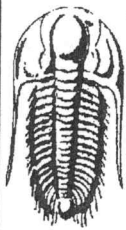
Rogers 1-1

Start Date: 2006.08.24 @ 19:24:38

End Date: 2006.08.25 @ 03:31:47

Job Ticket #: 25663 DST #: 6

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25663

DST#: 6

Test Start: 2006.08.24 @ 19:24:38

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:30:18

Time Test Ended: 03:31:47

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **3439.00 ft (KB) To 3450.00 ft (KB) (TVD)**

Total Depth: 3450.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1841.00 ft (KB)

1836.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 80.14 psig @ 3440.00 ft (KB)

Start Date: 2006.08.24

End Date:

2006.08.25

Start Time: 19:24:38

End Time:

03:31:47

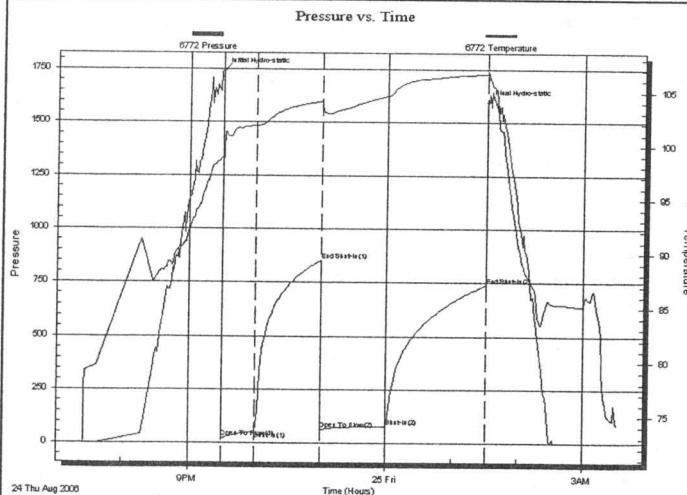
Capacity: 7000.00 psig

Last Calib.: 2006.08.25

Time On Btm: 2006.08.24 @ 21:30:03

Time Off Btm: 2006.08.25 @ 01:31:02

TEST COMMENT: IF 1/4 blow built to 3 in 30 min.
IS No return.
FF Surface blow built to 2 in 60 min.
FS No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1739.56	98.90	Initial Hydro-static
1	23.66	97.90	Open To Flow (1)
31	56.29	101.85	Shut-In(1)
90	853.48	104.16	End Shut-In(1)
91	62.85	103.68	Open To Flow (2)
150	80.14	104.60	Shut-In(2)
241	739.14	106.67	End Shut-In(2)
241	1592.53	106.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OCWM 5%O 5%W 90%M	0.30
62.00	OCM 40%O 60%M	0.30
30.00	100%O	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25663

DST#: 6

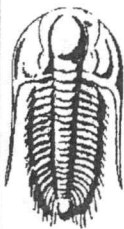
Test Start: 2006.08.24 @ 19:24:38

Tool Information

Drill Pipe:	Length: 3269.00 ft	Diameter: 3.80 inches	Volume: 45.86 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 154.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose:	40000.00 lb
		Total Volume:	46.62 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	32000.00 lb
Depth to Top Packer:	3439.00 ft			Final	32000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	11.00 ft				
Tool Length:	31.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			3420.00	
Shut In Tool	5.00			3425.00	
Hydraulic tool	5.00			3430.00	
Packer	5.00			3435.00	20.00 Bottom Of Top Packer
Packer	4.00			3439.00	
Stubb	1.00			3440.00	
Recorder	0.00	6772	Inside	3440.00	
Perforations	5.00			3445.00	
Recorder	0.00	7437	Outside	3445.00	
Bullnose	5.00			3450.00	11.00 Bottom Packers & Anchor
Total Tool Length:	31.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25663

DST#: 6

Test Start: 2006.08.24 @ 19:24:38

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 11.15 in³

Resistivity: 0.00 ohm.m

Salinity: 7600.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

36 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OCWM 5%O 5%W 90%M	0.305
62.00	OCM 40%O 60%M	0.305
30.00	100%O	0.148

Total Length: 154.00 ft

Total Volume: 0.758 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

The graph displays two data series over time from 9 PM on Thursday, August 24, 2006, to 3 AM on Friday, August 25, 2006.

Y-Axes:

- Left Y-Axis (Pressure):** Ranges from 0 to 1750 in increments of 250.
- Right Y-Axis (Temperature):** Ranges from 75 to 105 in increments of 5.

X-Axis (Time): Labeled "Time (Hours)".

Data Series:

- Pressure (Solid Line):** Starts at approximately 1750, drops to about 1500, then fluctuates between 1000 and 1250. It drops sharply to near 0 at 9 PM, remains at 0 until 11 PM, then rises to about 1000. It drops again to near 0 at 1 AM, remains at 0 until 2 AM, then rises to about 1000.
- Temperature (Dashed Line):** Starts at approximately 105, drops to about 100, then fluctuates between 85 and 95. It drops sharply to about 75 at 9 PM, remains at 75 until 11 PM, then rises to about 90. It drops again to about 75 at 1 AM, remains at 75 until 2 AM, then rises to about 90.

Key Events:

- Initial Hydro-static:** Marked at the start of the pressure data (9 PM).
- Final Hydro-static:** Marked at the end of the pressure data (2 AM).
- Open To Flow(1):** Marked at 9 PM.
- Shut-In(1):** Marked at 11 PM.
- End Shut-In(1):** Marked at 1 AM.
- Open To Flow(2):** Marked at 2 AM.
- Shut-In(2):** Marked at 2 AM.
- End Shut-In(2):** Marked at 2 AM.



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

1 20S 13W Barton KS

Rogers 1-1

Start Date: 2006.08.25 @ 09:12:43

End Date: 2006.08.25 @ 17:35:37

Job Ticket #: 25664 DST #: 7

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Company

Rogers 1-1

1 20S 13W Barton KS

DST # 7

Arbuckle

2006.08.25



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25664

DST#: 7

Test Start: 2006.08.25 @ 09:12:43

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:04:23

Time Test Ended: 17:35:37

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **3449.00 ft (KB) To 3460.00 ft (KB) (TVD)**

Total Depth: 3460.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1841.00 ft (KB)

1836.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 75.72 psig @ 3450.00 ft (KB)

Start Date: 2006.08.25

End Date:

2006.08.25

Start Time: 09:12:43

End Time:

17:35:37

Capacity: 7000.00 psig

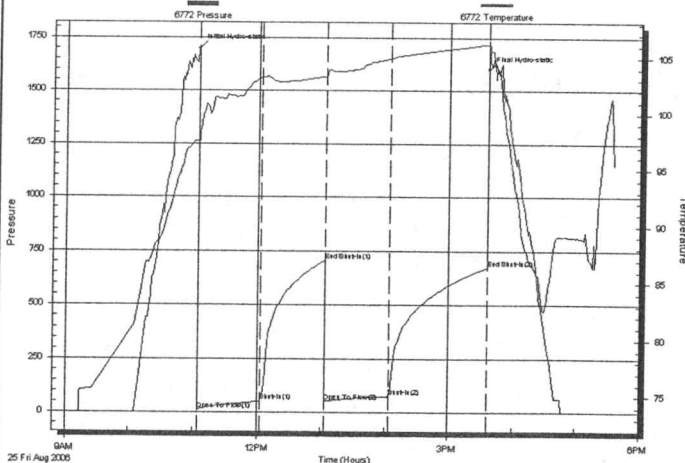
Last Calib.: 2006.08.25

Time On Btm: 2006.08.25 @ 11:04:08

Time Off Btm: 2006.08.25 @ 15:36:07

TEST COMMENT: IF 1/4 blow built to 3 1/2 in 60 min.
IS No retrun.
FF Surface blow built to 1 in 60 min.
FS No return.

Pressure vs. Time



PRESSURE SUMMARY

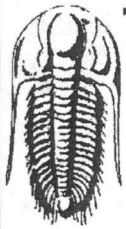
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1697.56	97.57	Initial Hydro-static
1	12.54	96.51	Open To Flow (1)
59	51.14	103.23	Shut-In(1)
119	706.33	103.33	End Shut-In(1)
120	53.38	103.16	Open To Flow (2)
180	75.72	104.94	Shut-In(2)
272	673.53	106.19	End Shut-In(2)
272	1601.40	106.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	MCW 90%W 10%M	0.46
61.00	100%O	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25664

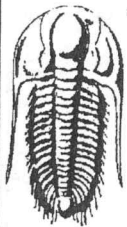
DST#: 7

Test Start: 2006.08.25 @ 09:12:43

Tool Information

Drill Pipe:	Length: 3300.00 ft	Diameter: 3.80 inches	Volume: 46.29 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 154.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose:	45000.00 lb
		Total Volume:	47.05 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	32000.00 lb
Depth to Top Packer:	3449.00 ft			Final	32000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	11.00 ft				
Tool Length:	31.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3430.00	
Shut In Tool	5.00			3435.00	
Hydraulic tool	5.00			3440.00	
Packer	5.00			3445.00	20.00 Bottom Of Top Packer
Packer	4.00			3449.00	
Stubb	1.00			3450.00	
Recorder	0.00	6772	Inside	3450.00	
Perforations	5.00			3455.00	
Recorder	0.00	7437	Outside	3455.00	
Bullnose	5.00			3460.00	11.00 Bottom Packers & Anchor
Total Tool Length:		31.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

Rogers 1-1

250 N Water Ste 300
Wichita KS 67202

1 20S 13W Barton KS

Job Ticket: 25664

DST#: 7

ATTN: Pat Deenihan

Test Start: 2006.08.25 @ 09:12:43

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

13000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	MCW 90%W 10%M	0.457
61.00	100%O	0.300

Total Length: 154.00 ft

Total Volume: 0.757 bbl

Num Fluid Samples: 0

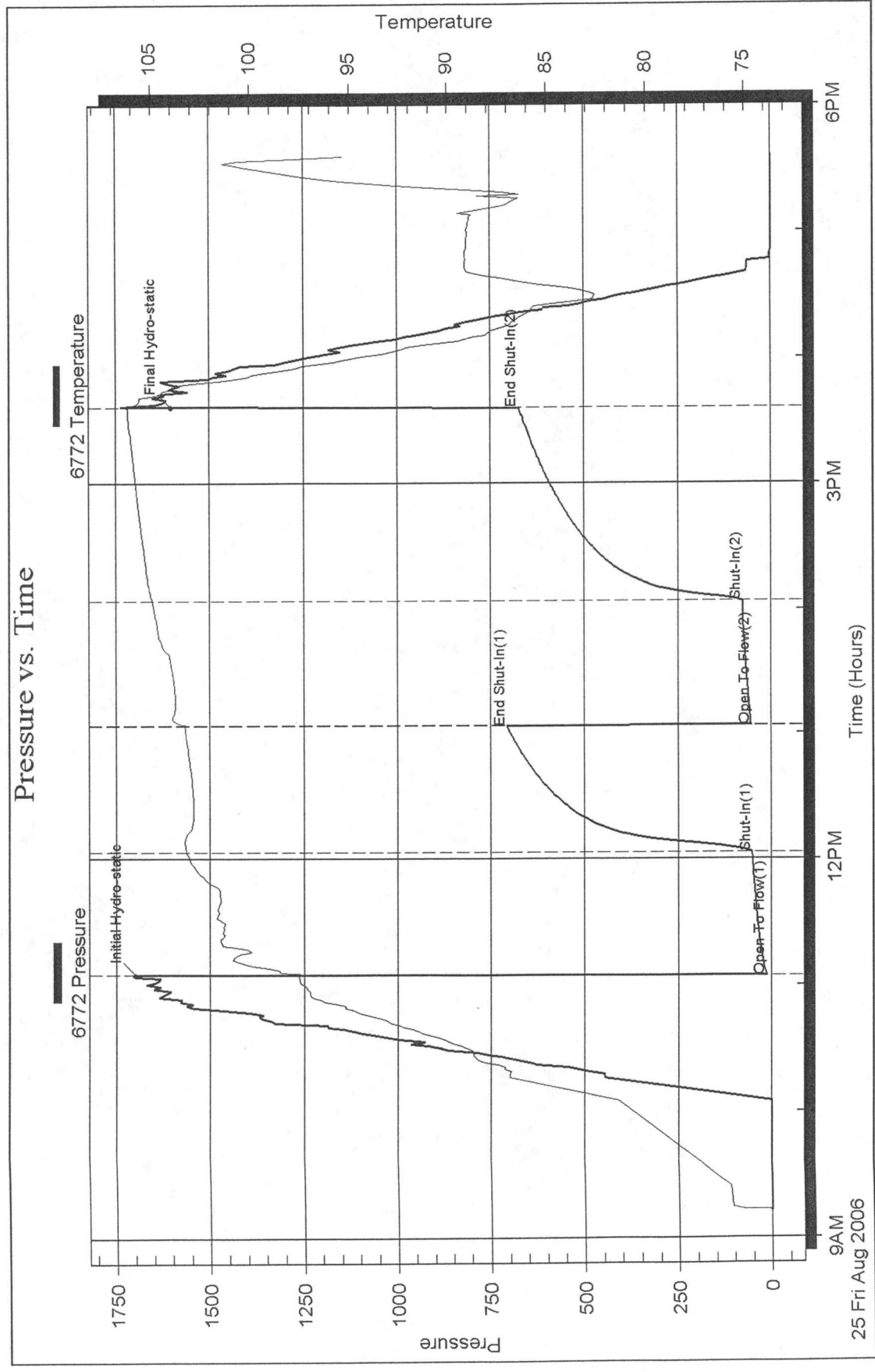
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

1 20S 13W Barton KS

Rogers 1-1

Start Date: 2006.08.25 @ 23:25:37

End Date: 2006.08.26 @ 07:14:16

Job Ticket #: 25665

DST #: 8

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Company

Rogers 1-1

1 20S 13W Barton KS

DST # 8

Arbuckle

2006.08.25



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25665

DST#: 8

Test Start: 2006.08.25 @ 23:25:37

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:15:32

Time Test Ended: 07:14:16

Interval: **3459.00 ft (KB) To 3470.00 ft (KB) (TVD)**

Total Depth: 3470.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Reference Elevations: 1841.00 ft (KB)

1836.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 122.33 psig @ 3460.00 ft (KB)

Start Date: 2006.08.25

End Date:

2006.08.26

Start Time: 23:25:37

End Time:

07:14:16

Capacity: 7000.00 psig

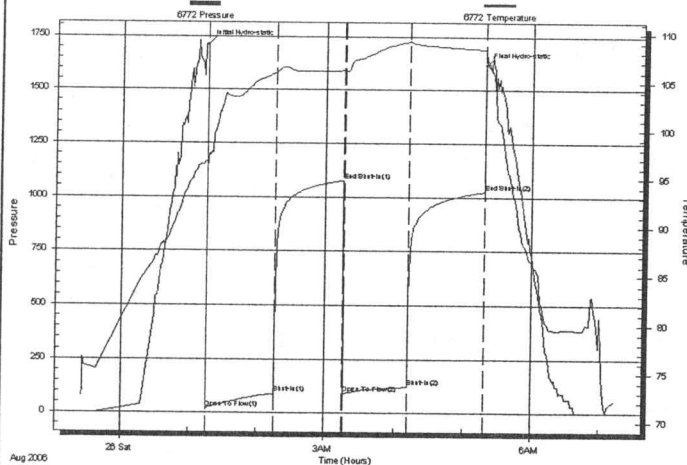
Last Calib.: 2006.08.26

Time On Btm: 2006.08.26 @ 01:15:17

Time Off Btm: 2006.08.26 @ 05:18:16

TEST COMMENT: IF 1/4 blow built to 4 in 60 min.
IS No return.
FF Surface blow built to 3 in 60 min.
FS No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.65	96.83	Initial Hydro-static
1	20.89	95.77	Open To Flow (1)
61	89.24	105.94	Shut-In (1)
121	1076.46	106.22	End Shut-In (1)
121	90.98	106.01	Open To Flow (2)
177	122.33	109.29	Shut-In (2)
243	1024.45	108.47	End Shut-In (2)
243	1613.85	108.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MCW 95%W 5%M	0.30
124.00	MCW 70%W 30%M	0.61
61.00	100%M	0.59

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Pat Deenihan

Rogers 1-1

1 20S 13W Barton KS

Job Ticket: 25665

DST#: 8

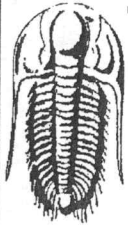
Test Start: 2006.08.25 @ 23:25:37

Tool Information

Drill Pipe:	Length: 3239.00 ft	Diameter: 3.80 inches	Volume: 45.43 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: 215.00 ft	Diameter: 2.25 inches	Volume: 1.06 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	46.49 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	3459.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	11.00 ft				
Tool Length:	31.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3440.00	
Shut In Tool	5.00			3445.00	
Hydraulic tool	5.00			3450.00	
Packer	5.00			3455.00	20.00 Bottom Of Top Packer
Packer	4.00			3459.00	
Stubb	1.00			3460.00	
Recorder	0.00	6772	Inside	3460.00	
Perforations	5.00			3465.00	
Recorder	0.00	7437	Outside	3465.00	
Bullnose	5.00			3470.00	11.00 Bottom Packers & Anchor
Total Tool Length:	31.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

Rogers 1-1

250 N Water Ste 300
Wichita KS 67202

1 20S 13W Barton KS

Job Ticket: 25665

DST#: 8

ATTN: Pat Deenihan

Test Start: 2006.08.25 @ 23:25:37

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

13000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	MCW 95%W 5%M	0.305
124.00	MCW 70%W 30%M	0.610
61.00	100%M	0.591

Total Length: 247.00 ft

Total Volume: 1.506 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

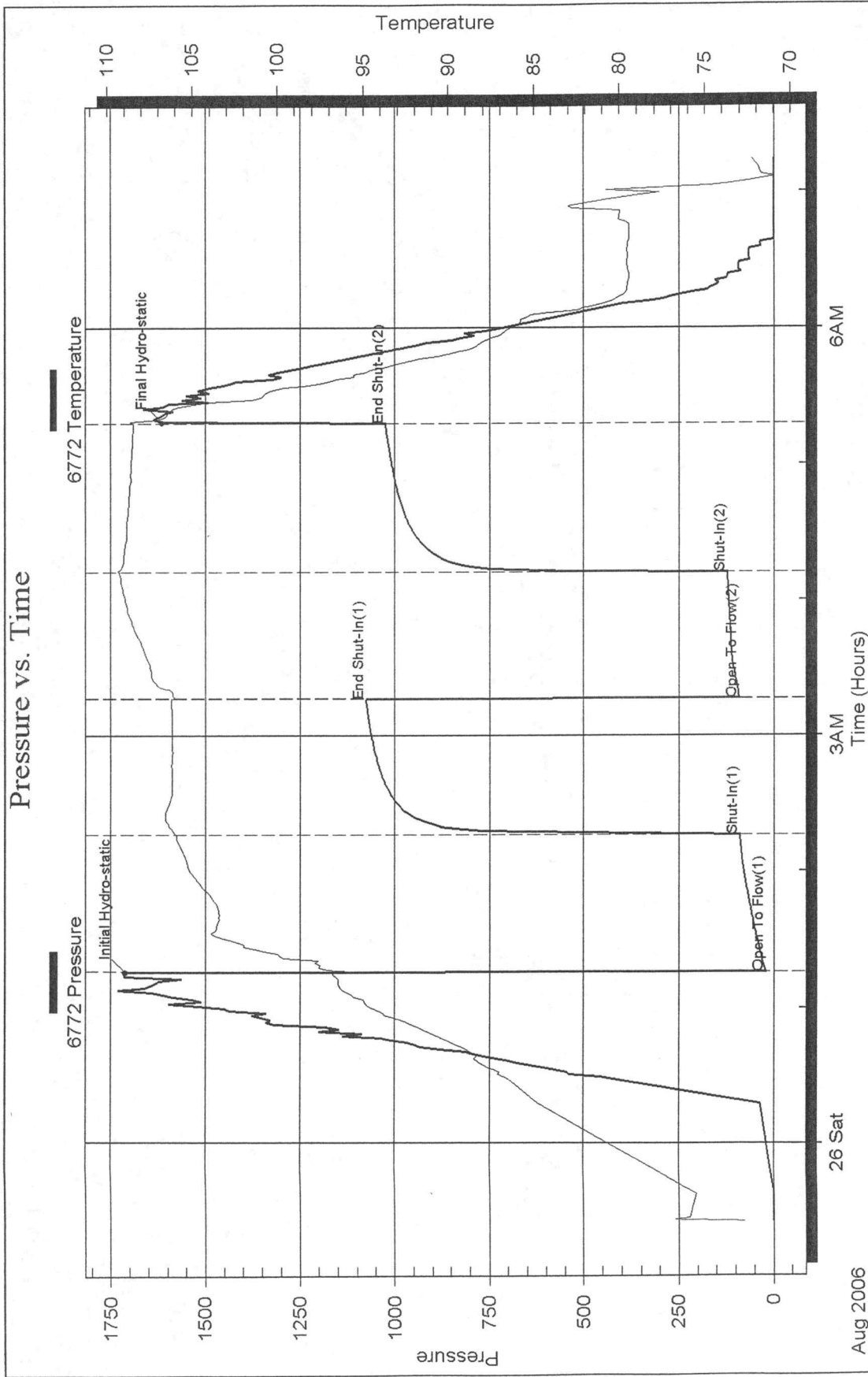
Serial #:

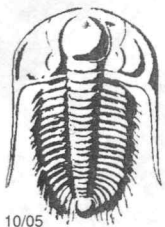
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9/85

25658

Test Ticket

Well Name & No. Rogers 1-1 Test No. 1 Date 8-21-06
 Company Murfin Drilling company Zone Tested Lansing-C&D
 Address 250 N. Water, Suite 300 Wichita, KS 67202 Elevation 1841 KB 1836 GL
 Co. Rep / Geo. Pat Deenihan Rig Murfin #8
 Location: Sec. 1 Twp. 20S Rge. 13W Co. Barton State KS
 Comment: _____ Release date / time: _____

Interval Tested 3215 3246 Initial Str Wt./Lbs. 32,000 Unseated Str Wt./Lbs. 32,000
 Anchor Length 31 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 42,000
 Top Packer Depth 3210 Tool Weight 1500
 Bottom Packer Depth 3215 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3246 Wt. Pipe Run — Drill Collar Run 154
 Mud Wt. 9.1 LCM 0 Vis. 46 WL 9.6 Drill Pipe Size 4 1/2 XH Ft. Run 3051

Blow Description IF: Surface blow de'd in 5 min.

IS: No return.

FF: No blow.

FS: No return.

Recovery - Total Feet 5 GIP — Ft. in DC 5 Ft. in DP —
 Rec. 5 Feet of mud %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 102 °F Gravity — °API D @ — °F Corrected Gravity — °API
 RW — @ — °F Chlorides — ppm Recovery — Chlorides 4800 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1639</u>	PSI	Recorder No.	<u>6772</u>	Test <u>X 1100.00</u>
(B) First Initial Flow Pressure	<u>12</u>	PSI	(depth)	<u>3216</u>	Jars _____
(C) First Final Flow Pressure	<u>12</u>	PSI	Recorder No.	<u>7437</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>28</u>	PSI	(depth)	<u>3245</u>	Circ Sub <u>X N/C</u>
(E) Second Initial Flow Pressure	<u>13</u>	PSI	Recorder No.	_____	Sampler _____
(F) Second Final Flow Pressure	<u>14</u>	PSI	(depth)	_____	Straddle _____
(G) Final Shut-In Pressure	<u>22</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1537</u>	PSI	Initial Shut-In	<u>30</u>	Shale Packer _____
			Final Flow	<u>30</u>	Ruined Packer _____
			Final Shut-In	<u>30</u>	Mileage <u>44</u> <u>117.50</u>
			T-On Location	<u>21:00</u>	Sub Total: <u>1217.50</u>
			T-Started	<u>22:10</u>	Std. By _____
			T-Open	<u>00:02</u>	Acc. Chg: _____
			T-Pulled	<u>2:02</u>	Other: _____
			T-Out	<u>3:45</u>	Total: _____

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

Approved By Patrick Deenihan

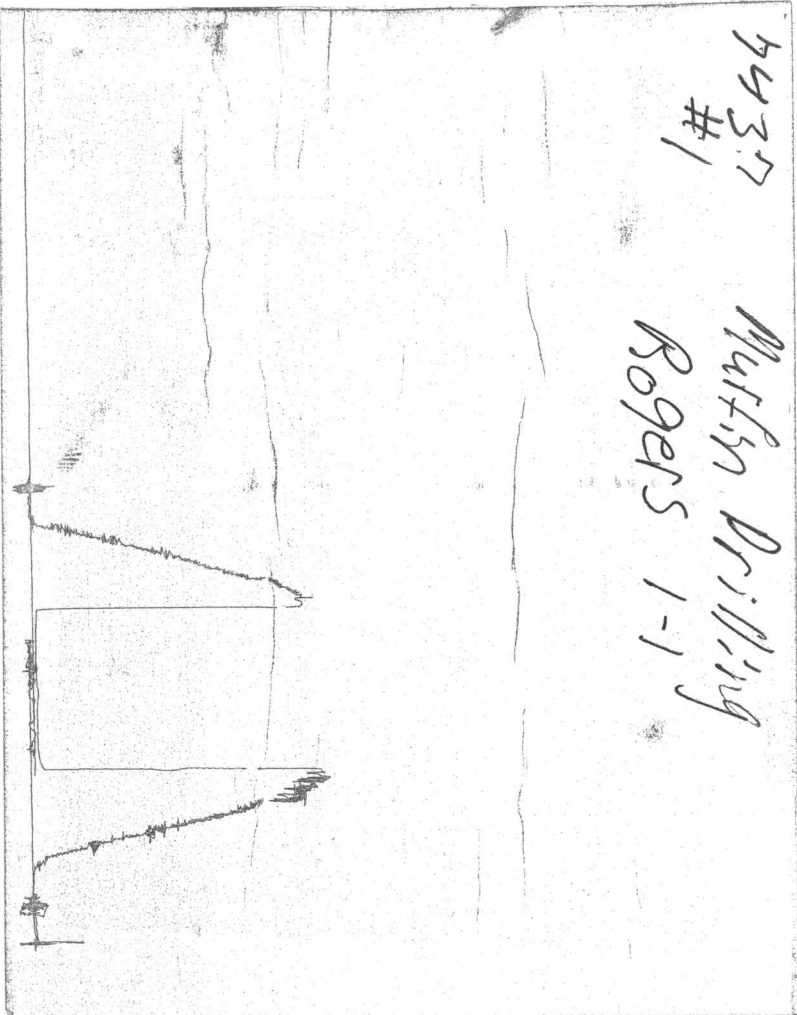
Our Representative [Signature]

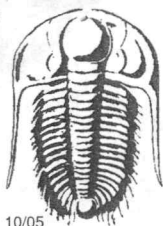
CHART PAGE

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

7437
#1

Mulfin Drilling
Rogers 1-1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25659

10/05

Test Ticket

Well Name & No.	<u>Rogers 1-1</u>	Test No.	<u>2</u>	Date	<u>8-22-06</u>
Company	<u>Murfin Drilling company</u>	Zone Tested	<u>Leasing - F</u>		
Address	<u>250 N. Water, Suite 300 Wichita, KS 67202</u>	Elevation	<u>1841</u>	KB	<u>1835</u> GL
Co. Rep / Geo.	<u>Pat Deenihan</u>	Rig	<u>Murfin #8</u>		
Location: Sec.	<u>1</u>	Twp.	<u>20S</u>	Rge.	<u>13W</u>
		Co.	<u>Barton</u>	State	<u>KS</u>
Comment:	Release date / time:				

Interval Tested	<u>3230</u>	<u>3258</u>	Initial Str Wt./Lbs.	<u>32,000</u>	Unseated Str Wt./Lbs.	<u>34,000</u>
Anchor Length		<u>28</u>	Wt. Set Lbs.	<u>25,000</u>	Wt. Pulled Loose/Lbs.	<u>44,000</u>
Top Packer Depth		<u>3225</u>	Tool Weight	<u>1500</u>		
Bottom Packer Depth		<u>3230</u>	Hole Size 7 7/8"	<u>✓</u>	Rubber Size 6 3/4"	<u>✓</u>
Total Depth		<u>3258</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>154</u>
Mud Wt.	<u>9.1</u> LCM <u>0</u> Vis. <u>46</u> WL <u>9.6</u>		Drill Pipe Size	<u>4 1/2 x H</u>	Ft. Run	<u>3083</u>

Blow Description IF: 1/4 blow BoB in 2 min.
IS: Surface blow built to 1/2 died in 18 min.
FF: BoB in 2 min.
FS: Gas to surface in 5 min. Surface blow built to 7 1/2 in 90 min.

Recovery - Total Feet	<u>341</u>	GIP		Ft. in DC	<u>154</u>	Ft. in DP	<u>187</u>
Rec. <u>93</u>	Feet of <u>mud oil spots</u>	%gas	<u>20</u>	%oil	<u>100</u>	%water	<u>100</u>
Rec. <u>238</u>	Feet of <u>WML90</u>	%gas	<u>20</u>	%oil	<u>5</u>	%water	<u>5</u>
Rec. <u>10</u>	Feet of <u>SOCMLW</u>	%gas	<u>20</u>	%oil	<u>78</u>	%water	<u>20</u>
Rec. _____	Feet of _____	%gas		%oil		%water	
Rec. _____	Feet of _____	%gas		%oil		%water	
BHT <u>104</u>	°F Gravity	<u>—</u>	°API D @	<u>—</u>	°F Corrected Gravity	<u>—</u>	°API
RW <u>-05</u>	@ <u>90</u> °F	Chlorides <u>126,000</u> ppm	Recovery <u>126,000</u>	Chlorides <u>4800</u>	ppm	System	

(A) Initial Hydrostatic Mud	<u>1594</u> PSI	Recorder No.	<u>6772</u>	Test	<u>x 1100.00</u>
(B) First Initial Flow Pressure	<u>53</u> PSI	(depth)	<u>3231</u>	Jars	
(C) First Final Flow Pressure	<u>77</u> PSI	Recorder No.	<u>7437</u>	Safety Jt.	
(D) Initial Shut-In Pressure	<u>892</u> PSI	(depth)	<u>3257</u>	Circ Sub	<u>x N/C</u>
(E) Second Initial Flow Pressure	<u>86</u> PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure	<u>127</u> PSI	(depth)		Straddle	
(G) Final Shut-In Pressure	<u>806</u> PSI	Initial Opening	<u>30</u>	Ext. Packer	
(Q) Final Hydrostatic Mud	<u>1575</u> PSI	Initial Shut-In	<u>60</u>	Shale Packer	
		Final Flow	<u>60</u>	Ruined Packer	
		Final Shut-In	<u>90</u>	Mileage	<u>12 - 15.00</u>
		T-On Location	<u>8:50</u>	Sub Total:	<u>\$1115.00</u>
		T-Started	<u>9:32</u>	Std. By	<u>_____</u>
		T-Open	<u>11:17</u>	Acc. Chg:	<u>_____</u>
		T-Pulled	<u>14:57</u>	Other:	<u>_____</u>
		T-Out	<u>17:05</u>	Total:	<u>_____</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 Patrick J. Deenihan

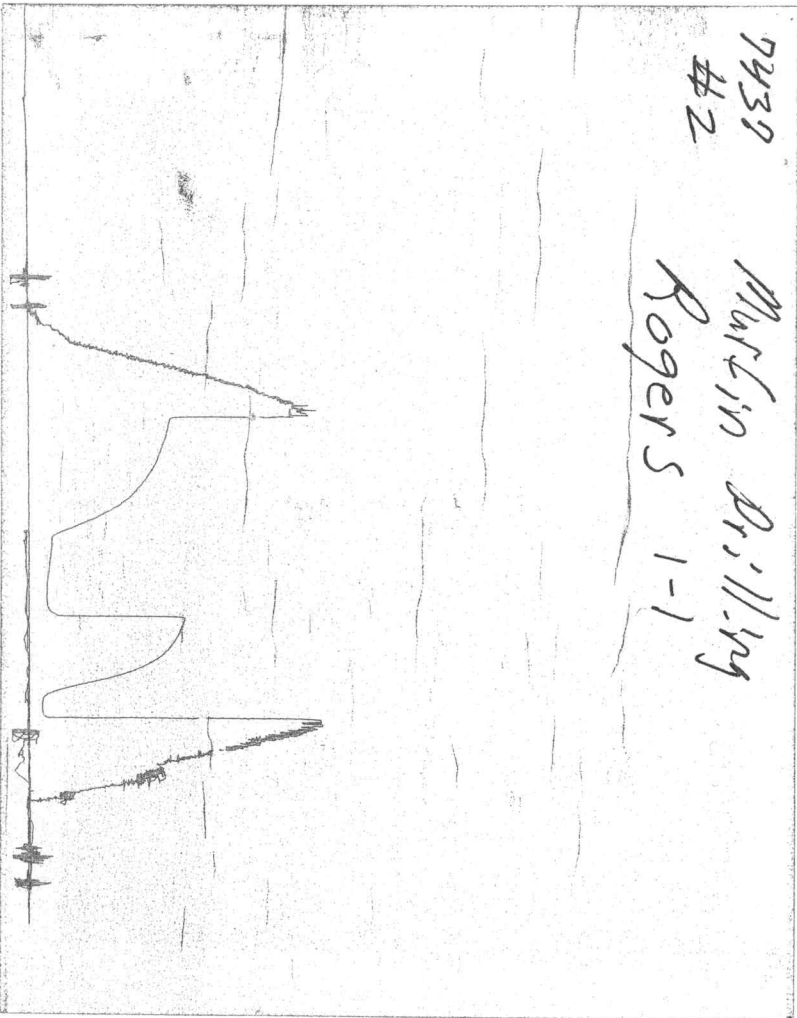
Our Representative _____

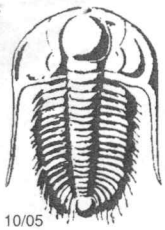
CHART PAGE

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

7430
#2

Martin Drilling
Rogers 1-1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25660

Test Ticket

Well Name & No.	<u>Rogers 1-1</u>	Test No.	<u>3</u>	Date	<u>8-23-06</u>
Company	<u>Murfin Drilling company</u>	Zone Tested	<u>Lansing-HIJ</u>		
Address	<u>250 N. Water, Suite 300 Wichita, KS 67202</u>	Elevation	<u>1841</u>	KB	<u>1836</u>
Co. Rep / Geo.	<u>Art Deenihan</u>	Rig	<u>Murfin #8</u>		
Location: Sec.	<u>1</u>	Twp.	<u>20 S</u>	Rge.	<u>13 W</u>
		Co.	<u>Barton</u>	State	<u>KS</u>
Comment:	Release date / time:				

Interval Tested	<u>3306</u>	<u>3360</u>	Initial Str Wt./Lbs.	<u>32,000</u>	Unseated Str Wt./Lbs.	<u>32,000</u>
Anchor Length		<u>54</u>	Wt. Set Lbs.	<u>25,000</u>	Wt. Pulled Loose/Lbs.	<u>42,000</u>
Top Packer Depth		<u>3301</u>	Tool Weight	<u>1500</u>		
Bottom Packer Depth		<u>3306</u>	Hole Size 7 7/8"	<u>✓</u>	Rubber Size 6 3/4"	<u>✓</u>
Total Depth		<u>3360</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>154</u>
Mud Wt.	<u>9.2</u>	LCM <u>0</u>	Vis.	<u>46</u>	WL <u>10.2</u>	Drill Pipe Size <u>4 1/2 XH</u>
Blow Description	<u>IF: Surface blow built to 3 in 30 min.</u>					
	<u>IS: No return.</u>					
	<u>FF: Surface blow built to 1 in 60 min.</u>					
	<u>FS: No return.</u>					

Recovery - Total Feet	<u>154</u>	GIP	<u>—</u>	Ft. in DC	<u>154</u>	Ft. in DP	<u>—</u>
Rec.	<u>30</u>	Feet of	<u>mud some oil spots</u>	%gas		%oil	
				%water	<u>100</u>	%mud	
Rec.	<u>62</u>	Feet of	<u>mw</u>	%gas		%oil	<u>50</u>
				%water	<u>50</u>	%mud	
Rec.	<u>62</u>	Feet of	<u>mcw</u>	%gas		%oil	<u>90</u>
				%water	<u>10</u>	%mud	
Rec.		Feet of		%gas		%oil	
				%water		%mud	
BHT	<u>103</u>	°F Gravity	<u>—</u>	°API D @	<u>—</u>	°F Corrected Gravity	<u>—</u>
RW	<u>.15</u>	@	<u>78</u>	°F	Chlorides <u>44,000</u>	ppm Recovery <u>44,000</u>	Chlorides <u>6500</u>
							ppm System

(A) Initial Hydrostatic Mud	<u>1681</u>	PSI	Recorder No.	<u>6772</u>	Test X	<u>1100.00</u>
(B) First Initial Flow Pressure	<u>15</u>	PSI	(depth)	<u>3307</u>	Jars	
(C) First Final Flow Pressure	<u>50</u>	PSI	Recorder No.	<u>7437</u>	Safety Jt.	
(D) Initial Shut-In Pressure	<u>877</u>	PSI	(depth)	<u>3359</u>	Circ Sub X	<u>N/C</u>
(E) Second Initial Flow Pressure	<u>59</u>	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure	<u>86</u>	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure	<u>787</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer	
(Q) Final Hydrostatic Mud	<u>1611</u>	PSI	Initial Shut-In	<u>60</u>	Shale 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 Patrick Deenihan

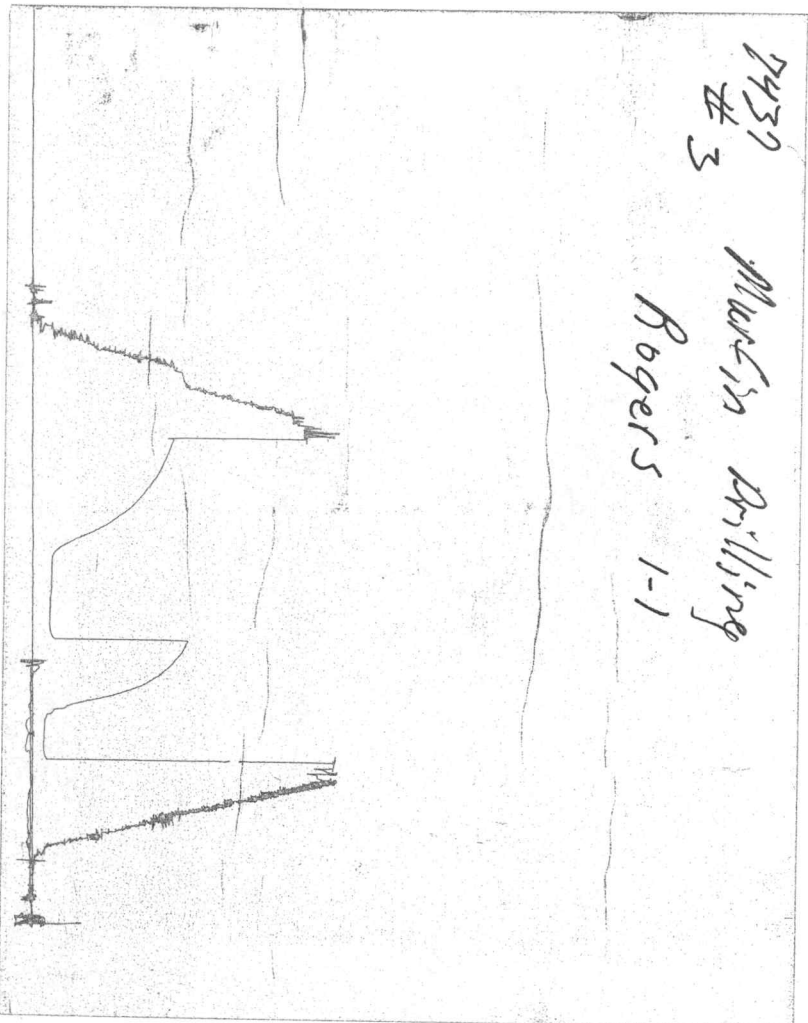
Our Representative ML

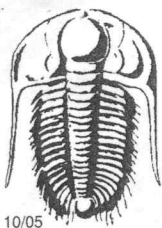
Final Flow	<u>60</u>
Final Shut-In	<u>90</u>
T-On Location	<u>1:30</u>
T-Started	<u>2:00</u>
T-Open	<u>3:50</u>
T-Pulled	<u>7:50</u>
T-Out	<u>9:55</u>

Ruined Packer	
Mileage	<u>12-15.00</u>
Sub Total:	<u>1115</u>
Std. By	<u>1/2 50</u>
Acc. Chg:	
Other:	<u>B 1165</u>
Total:	<u>11165</u>

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25661

Test Ticket

Well Name & No. <u>Rogers 1-1</u>	Test No. <u>888 4</u>	Date <u>8-23-06</u>
Company <u>Murfin Drilling company</u>	Zone Tested <u>Lensing-KIL</u>	
Address <u>250 N. Water, Suite 300 Wichita, KS 67202</u>	Elevation <u>1841</u> KB <u>1836</u> GL	
Co. Rep / Geo. <u>Rgt Deenihan</u>	Rig <u>Murfin #8</u>	
Location: Sec. <u>1</u> Twp. <u>20 S</u> Rge. <u>13 W</u>	Co. <u>Barton</u> State <u>KS</u>	
Comment: _____		Release date / time: _____

Interval Tested <u>3366</u>	<u>3407</u>	Initial Str Wt./Lbs. <u>32,000</u>	Unseated Str Wt./Lbs. <u>32,000</u>
Anchor Length _____	<u>41</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>45,000</u>
Top Packer Depth _____	<u>3301</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth _____	<u>3306</u>	Hole Size 7 7/8" <u>✓</u>	Rubber Size 6 3/4" <u>✓</u>
Total Depth _____	<u>3407</u>	Wt. Pipe Run _____	Drill Collar Run <u>154</u>
Mud Wt. <u>9.3</u> LCM <u>0</u> Vis. <u>48</u> WL <u>8.8</u>		Drill Pipe Size <u>4 1/2 x H</u>	Ft. Run <u>3207</u>

Blow Description IF: Weak surface blow died in 2 min.
IS: No return.
FF: No blow.
FS: No return.

Recovery - Total Feet <u>5</u>	GIP <u>—</u>	Ft. in DC <u>5</u>	Ft. in DP <u>—</u>
Rec. <u>5</u>	Feet of <u>mud</u>	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
BHT <u>101</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW <u>—</u>	@ _____ °F	Chlorides _____ ppm	Recovery _____ Chlorides <u>7300</u> ppm System

(A) Initial Hydrostatic Mud	<u>1703</u> PSI	Recorder No. <u>6772</u>	Test <u>1100.00</u>
(B) First Initial Flow Pressure	<u>13</u> PSI	(depth) <u>3367</u>	Jars _____
(C) First Final Flow Pressure	<u>14</u> PSI	Recorder No. <u>7437</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>18</u> PSI	(depth) <u>3406</u>	Circ Sub <u>N/L</u>
(E) Second Initial Flow Pressure	<u>12</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>12</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>23</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1642</u> PSI	Initial Shut-In <u>30</u>	Shale 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 Patrick Deenihan

Our Representative [Signature]

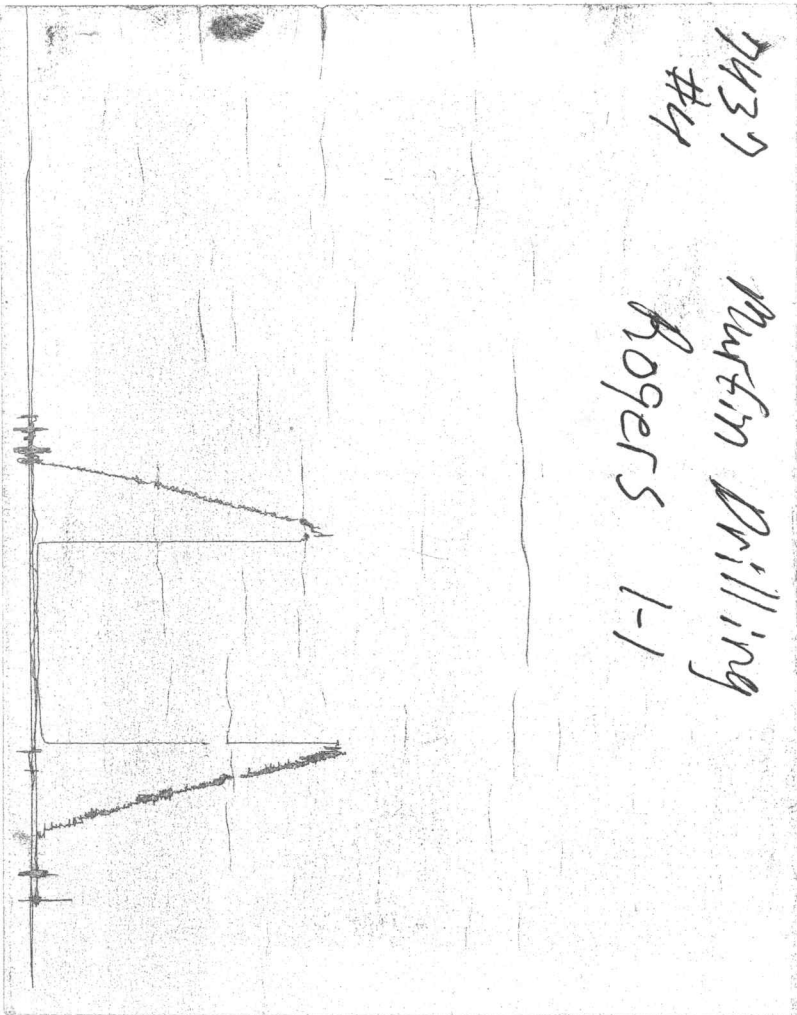
Final Flow	<u>30</u>
Final Shut-In	<u>60</u>
T-On Location	<u>16:00</u>
T-Started	<u>16:48</u>
T-Open	<u>18:30</u>
T-Pulled	<u>21:00</u>
T-Out	<u>22:30</u>

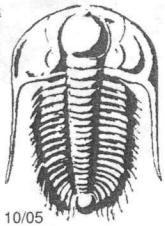
Ruined Packer	_____
Mileage	<u>12-15.00</u>
Sub Total:	<u>1115.00</u>
Std. By	_____
Acc. Chg:	_____
Other:	_____
Total:	_____

CHART PAGE

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

7437 Muffin Drilling
#4 Rogers 1-1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25662

Test Ticket

Well Name & No.	Rogers 1-1		Test No.	5	Date	8-24-06
Company	Murfin Drilling Company		Zone Tested	Arbuckle		
Address	250 N. Water, Suite 300 Wichita, KS 67202		Elevation	1841	KB	1836
Co. Rep / Geo.	Pat Deenihan		Rig	Murfin #8		
Location: Sec.	1	Twp.	20S	Rge.	13W	Co. Barton State 15S
Comment:						Release date / time:

Interval Tested	3386	3440	Initial Str Wt./Lbs.	32,000	Unseated Str Wt./Lbs.	32,000
Anchor Length	54	538	Wt. Set Lbs.	25,000	Wt. Pulled Loose/Lbs.	40,000
Top Packer Depth	3381		Tool Weight	1500		
Bottom Packer Depth	3386		Hole Size 7 7/8"	✓	Rubber Size 6 3/4"	✓
Total Depth	3440		Wt. Pipe Run	—	Drill Collar Run	154
Mud Wt.	9.3	LCM 0 Vis. 48 WL 8.8	Drill Pipe Size	4 1/2 x 4	Ft. Run	3238
Blow Description	IF: 1/4 blow dead in 6 min. IS: No return. FF: No blow. FS: No return.					

Recovery - Total Feet	5	GIP	—	Ft. in DC	5	Ft. in DP	—
Rec.	1	Feet of	Free oil	%gas	100%	%oil	%water %mud
Rec.	4	Feet of	ocm	%gas	10	%oil	%water 90 %mud
Rec.		Feet of		%gas		%oil	%water %mud
Rec.		Feet of		%gas		%oil	%water %mud
Rec.		Feet of		%gas		%oil	%water %mud
BHT	100	°F Gravity	—	°API D @	—	°F Corrected Gravity	— °API
RW	—	@	—	°F Chlorides	—	ppm Recovery	— Chlorides 7300 ppm System

(A) Initial Hydrostatic Mud	1750	PSI	Recorder No.	6772	Test	1100.00
(B) First Initial Flow Pressure	13	PSI	(depth)	3387	Jars	
(C) First Final Flow Pressure	14	PSI	Recorder No.	7437	Safety Jt.	
(D) Initial Shut-In Pressure	563	PSI	(depth)	3439	Circ Sub	N/L
(E) Second Initial Flow Pressure	14	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure	17	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure	812	PSI	Initial Opening	30	Ext. Packer	
(Q) Final Hydrostatic Mud	1680	PSI	Initial Shut-In	30	Shale 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.

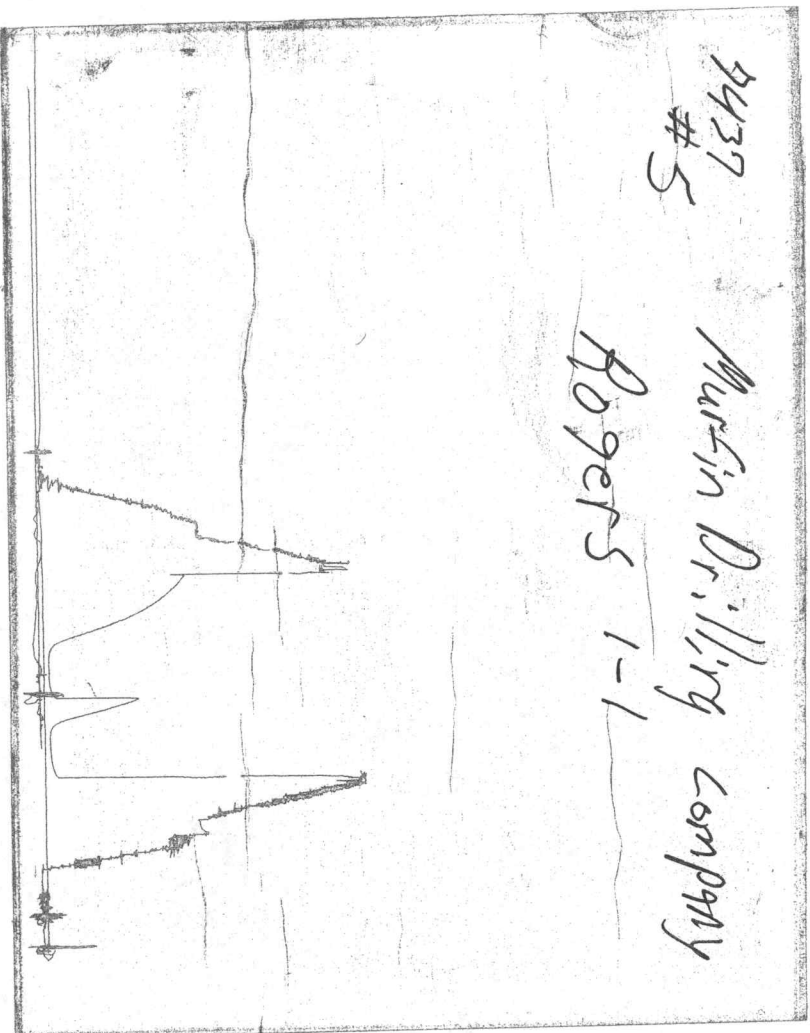
Approved By *Patrick F. Deenihan*

Our Representative *[Signature]*

Final Flow 30
Final Shut-In 60
T-On Location 6:10
T-Started 6:40
T-Open 8:36
T-Pulled 11:06
T-Out 12:45

Ruined Packer
Mileage 12-15.00
Sub Total: 1115.00
Std. By
Acc. Chg:
Other:
Total:

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





P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Interval Tested	3439	3450	Initial Str Wt./Lbs.	32,000	Unseated Str Wt/Lbs.	32,000
Anchor Length		11	Wt. Set Lbs.	25,000	Wt. Pulled Loose/Lbs.	40,000
Top Packer Depth		3434	Tool Weight	1500		
Bottom Packer Depth		3439	Hole Size 7 7/8"	✓	Rubber Size 6 3/4"	✓
Total Depth		3450	Wt. Pipe Run	—	Drill Collar Run	154
Mud Wt.	9.3	LCM 0	Drill Pipe Size	4 1/2 x 11	Ft. Run	3269
Vis.	50	WL 11.2	Blow Description IF 1/4 blow built to 3 in 30 min.			

IS: No return,
FF: Surface blow built to 2 in 60 min.
FS: No return,

Recovery - Total Feet	154	GIP	—	Ft. in DC	154	Ft. in DP	—
Rec.	30	Feet of	oil	%gas	100	%oil	%water %mud
Rec.	62	Feet of	OCM	%gas	40	%oil	%water 60 %mud
Rec.	62	Feet of	OCWM	%gas	5	%oil 5	%water 90 %mud
Rec.		Feet of		%gas		%oil	%water %mud
Rec.		Feet of		%gas		%oil	%water %mud
BHT	106	*F Gravity	37	*API D @	70	*F Corrected Gravity	36 *API
RW	—	@	—	*F Chlorides	—	ppm Recovery	Chlorides 7600 ppm System

AK-1		Alpine		
(A) Initial Hydrostatic Mud	1757	PSI	Recorder No.	6772
(B) First Initial Flow Pressure	23	PSI	(depth)	3440
(C) First Final Flow Pressure	56	PSI	Recorder No.	7437
(D) Initial Shut-In Pressure	853	PSI	(depth)	3449
(E) Second Initial Flow Pressure	62	PSI	Recorder No.	
(F) Second Final Flow Pressure	80	PSI	(depth)	
(G) Final Shut-In Pressure	739	PSI	Initial Opening	30
(Q) Final Hydrostatic Mud	1645	PSI	Initial Shut-In	60

Test	x 1100.00
Jars	
Safety Jt.	
Circ Sub	x N/L
Sampler	
Straddle	
Ext. Packer	
Shale 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.

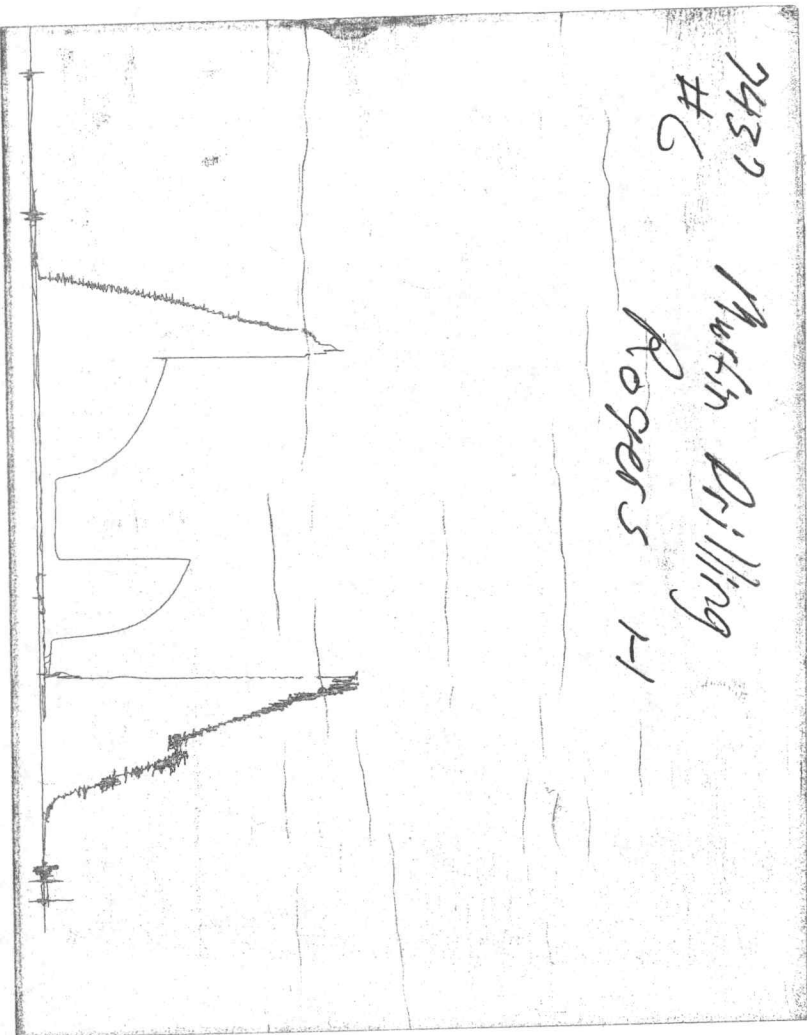
Approved By _____

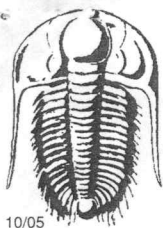
Our Representative 

Recorder No.	6772	Test	x 1100.00
(depth)	3440	Jars	
Recorder No.	7437	Safety Jt.	
(depth)	3449	Circ Sub	x N/L
Recorder No.		Sampler	
(depth)		Straddle	
Initial Opening	30	Ext. Packer	
Initial Shut-In	60	Shale Packer	
Final Flow	60	Ruined Packer	
Final Shut-In	90	Mileage	12 - 15.00
T-On Location	18:30	Sub Total:	1115.00
T-Started	19:24	Std. By	hr 100.00
T-Open	21:30	Acc. Chg:	
T-Pulled	1:30	Other:	
T-Out	3:35	Total:	\$1215.00

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25664

Test Ticket

Well Name & No.	<u>Rogers 1-1</u>	Test No.	<u>7</u>	Date	<u>8-25-06</u>
Company	<u>Murfin Drilling Company</u>	Zone Tested	<u>Arbuckle</u>		
Address	<u>250 N. Water, Suite 300 Wichita, KS 67202</u>	Elevation	<u>1841</u>	KB	<u>1836</u>
Co. Rep / Geo.	<u>Pat Deenihan</u>	Rig	<u>Murfin #8</u>		
Location: Sec.	<u>1</u>	Twp.	<u>20S</u>	Rge.	<u>13W</u>
		Co.	<u>Barton</u>	State	<u>KS</u>
Comment:	Release date / time:				

Interval Tested	<u>3449</u>	<u>3460</u>	Initial Str Wt./Lbs.	<u>32,000</u>	Unseated Str Wt./Lbs.	<u>32,000</u>	
Anchor Length		<u>11</u>	Wt. Set Lbs.	<u>25,000</u>	Wt. Pulled Loose/Lbs.	<u>45,000</u>	
Top Packer Depth		<u>3444</u>	Tool Weight	<u>1500</u>			
Bottom Packer Depth		<u>3449</u>	Hole Size 7 7/8"	<u>✓</u>	Rubber Size 6 3/4"	<u>✓</u>	
Total Depth		<u>3460</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>154</u>	
Mud Wt.	<u>9.2</u>	LCM	<u>0</u>	Vis.	<u>47</u>	WL	<u>10.2</u>
Blow Description	<u>IF: 1/4 blow built to 3 1/2 in 60 min.</u>						
	<u>IS: No return,</u>						
	<u>FF: surface blow built 1 in 6 min.</u>						
	<u>FS: No return,</u>						
Recovery - Total Feet	<u>154</u>	GIP	<u>—</u>	Ft. in DC	<u>154</u>	Ft. in DP	<u>—</u>
Rec.	<u>61</u>	Feet of	<u>oil</u>	%gas	<u>100</u>	%oil	
Rec.	<u>93</u>	Feet of	<u>mcw</u>	%gas		%oil	
Rec.		Feet of		%gas		%oil	
Rec.		Feet of		%gas		%oil	
Rec.		Feet of		%gas		%oil	
BHT	<u>106</u>	*F Gravity	<u>40</u>	*API D @	<u>100</u>	*F Corrected Gravity	<u>36</u>
RW	<u>.39</u>	@	<u>100</u>	*F Chlorides	<u>13,000</u>	ppm Recovery	<u>13,000</u>
				Chlorides	<u>2500</u>	ppm System	

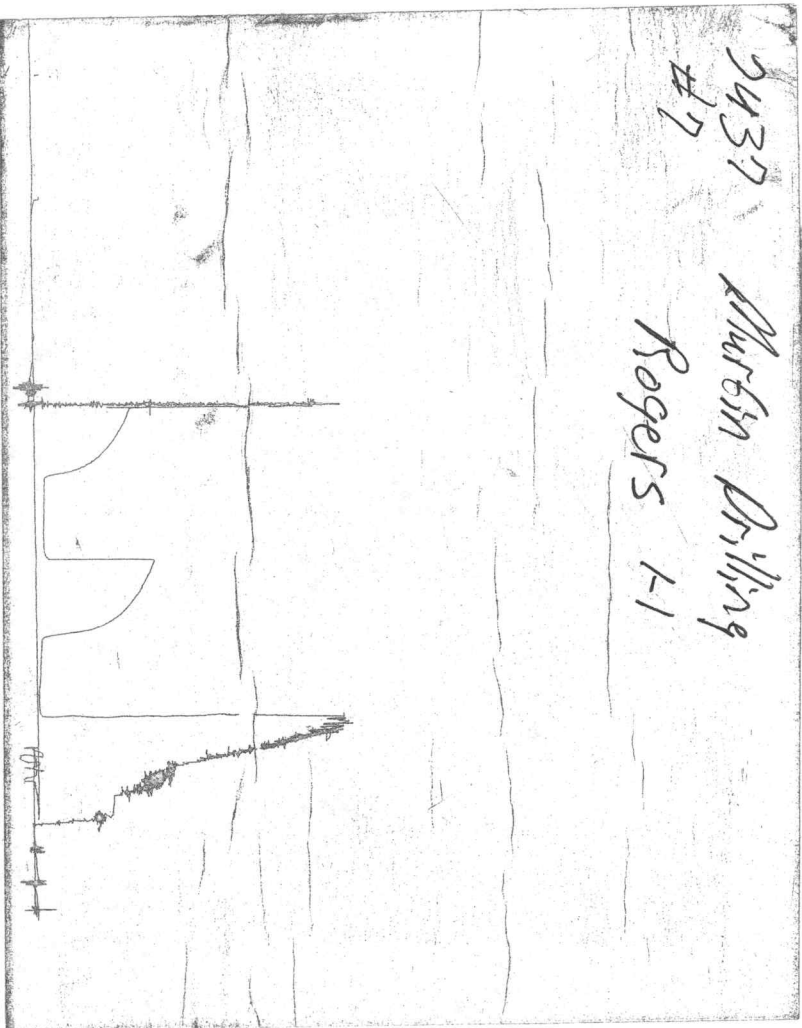
(A) Initial Hydrostatic Mud	<u>1716</u>	PSI	Recorder No.	<u>6772</u>	Test	<u>X 1100.00</u>
(B) First Initial Flow Pressure	<u>12</u>	PSI	(depth)	<u>3450</u>	Jars	
(C) First Final Flow Pressure	<u>51</u>	PSI	Recorder No.	<u>7437</u>	Safety Jt.	
(D) Initial Shut-In Pressure	<u>706</u>	PSI	(depth)	<u>3449</u>	Circ Sub	<u>X N/C</u>
(E) Second Initial Flow Pressure	<u>53</u>	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure	<u>75</u>	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure	<u>673</u>	PSI	Initial Opening	<u>60</u>	Ext. Packer	
(Q) Final Hydrostatic Mud	<u>1736</u>	PSI	Initial Shut-In	<u>60</u>	Shale Packer	
			Final Flow	<u>60</u>	Ruined Packer	<u>200.00</u>
			Final Shut-In	<u>90</u>	Mileage	<u>12-15.00</u>
			T-On Location	<u>8:30</u>	Sub Total:	<u>1315</u>
			T-Started	<u>9:12</u>	Std. By	<u>X 1.25 125</u>
			T-Open	<u>11:04</u>	Acc. Chg:	
			T-Pulled	<u>14:34</u>	Other:	
			T-Out	<u>17:40</u>	Total:	<u>81440</u>

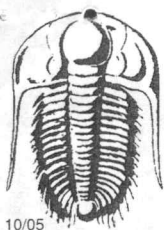
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By Patrick Deenihan
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

25665

Test Ticket

Well Name & No.	<u>Rogers 1-1</u>	Test No.	<u>8</u>	Date	<u>8-25-06</u>
Company	<u>Murfin Drilling company</u>	Zone Tested	<u>Arbuckle</u>		
Address	<u>250 N. Water, Suite 300 Wichita, KS 67202</u>	Elevation	<u>1841</u>	KB	<u>1836</u>
Co. Rep / Geo.	<u>Pat Deenihan</u>	Rig	<u>Murfin #8</u>		
Location: Sec.	<u>1</u>	Twp.	<u>20S</u>	Rge.	<u>13W</u>
		Co.	<u>Barton</u>	State	<u>KS</u>
Comment:	Release date / time:				

Interval Tested	<u>3459</u>	<u>3470</u>	Initial Str Wt./Lbs.	<u>36,000</u>	Unseated Str Wt./Lbs.	<u>36,000</u>	
Anchor Length		<u>11</u>	Wt. Set Lbs.	<u>25,000</u>	Wt. Pulled Loose/Lbs.	<u>50,000</u>	
Top Packer Depth		<u>3454</u>	Tool Weight	<u>1500</u>			
Bottom Packer Depth		<u>3459</u>	Hole Size 7 7/8"	<u>✓</u>	Rubber Size 6 3/4"	<u>✓</u>	
Total Depth		<u>3470</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>215</u>	
Mud Wt.	<u>9.2</u>	LCM	<u>0</u>	Vis.	<u>47</u>	WL	<u>10.2</u>
Blow Description	<u>IF: 1/4 blow built to 4' in 60 min.</u>						

<u>IS: NO return.</u>						
<u>FS: surface blow built to 3' in 60 min.</u>						
<u>ES: NO return.</u>						

Recovery - Total Feet	<u>247</u>	GIP	<u>—</u>	Ft. in DC	<u>215</u>	Ft. in DP	<u>32</u>
Rec.	<u>61</u>	Feet of	<u>mud</u>	%gas		%oil	
				%water	<u>100</u>	%mud	
Rec.	<u>124</u>	Feet of	<u>MCW</u>	%gas		%oil	<u>70</u>
				%water	<u>30</u>	%mud	
Rec.	<u>62</u>	Feet of	<u>MCW</u>	%gas		%oil	<u>95</u>
				%water	<u>5</u>	%mud	
Rec.		Feet of		%gas		%oil	%water
				%water		%mud	
BHT	<u>108</u>	°F Gravity	<u>—</u>	°API D @	<u>—</u>	°F Corrected Gravity	<u>—</u>
RW	<u>.53</u>	@	<u>67</u>	°F	Chlorides	<u>13,000</u>	ppm Recovery
					Chlorides	<u>7500</u>	ppm System

(A) Initial Hydrostatic Mud	<u>1722</u>	PSI	Recorder No.	<u>6772</u>	Test x	<u>1100.00</u>
(B) First Initial Flow Pressure	<u>20</u>	PSI	(depth)	<u>3460</u>	Jars	
(C) First Final Flow Pressure	<u>89</u>	PSI	Recorder No.	<u>7437</u>	Safety Jt.	
(D) Initial Shut-In Pressure	<u>1076</u>	PSI	(depth)	<u>3469</u>	Circ Sub x	<u>N/C</u>
(E) Second Initial Flow Pressure	<u>90</u>	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure	<u>122</u>	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure	<u>1024</u>	PSI	Initial Opening	<u>60</u>	Ext. Packer	
(Q) Final Hydrostatic Mud	<u>1648</u>	PSI	Initial Shut-In	<u>60</u>	Shale Packer	
			Final Flow	<u>60</u>	Ruined Packer	
			Final Shut-In	<u>60</u>	Mileage	<u>12-15.00</u>
			T-On Location	<u>22:30</u>	Sub Total:	<u>1115.00</u>
			T-Started	<u>23:25</u>	Std. By	<u>X/hr 100.00</u>
			T-Open	<u>1:16</u>	Acc. Chg:	
			T-Pulled	<u>5:16</u>	Other:	
			T-Out	<u>7:20</u>	Total:	<u>11215.00</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 Patricia J. Deenihan

Our Representative [Signature]

CHART PAGE

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

