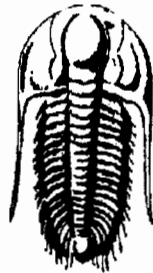


15-077-21631

20-31s-5w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

250 N. Water STE 300
Wichita KS 67202

ATTN: Joe Baker

20 31s 5w Harper KS

Blubaugh 1-20

Start Date: 2008.08.01 @ 16:10:05

End Date: 2008.08.02 @ 00:27:20

Job Ticket #: 33162 DST #: 1

KCC
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CONFIDENTIAL

Trilobite Testing, Inc

PO Box 1733 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: Joe Baker

Blubaugh 1-20

20 31s 5w Harper KS

Job Ticket: 33162

DST#: 1

Test Start: 2008.08.01 @ 16:10:05

GENERAL INFORMATION:

Formation: **Iansing B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:18:20

Time Test Ended: 00:27:20

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **3555.00 ft (KB) To 3590.00 ft (KB) (TVD)**

Total Depth: 3590.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1335.00 ft (KB)

1325.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8354

Inside

Press@RunDepth: 269.37 psig @ 3555.00 ft (KB)

Start Date: 2008.08.01

End Date:

2008.08.02

Start Time: 16:10:10

End Time:

00:27:19

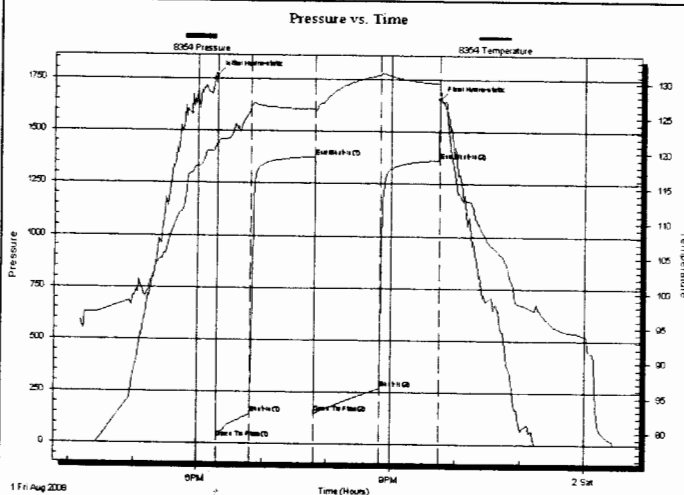
Capacity: 7000.00 psig

Last Calib.: 2008.08.02

Time On Btm: 2008.08.01 @ 18:18:05

Time Off Btm: 2008.08.01 @ 21:45:19

TEST COMMENT: IF Strong blow BOB in 14 mins
ISI Bled off No blow back
FF Strong blow BOB in 19 mins
FSI Bled off No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1769.53	121.34	Initial Hydro-static
1	26.65	120.86	Open To Flow (1)
32	143.20	126.54	Shut-In (1)
91	1377.99	126.30	End Shut-In (1)
91	147.30	125.93	Open To Flow (2)
152	269.37	131.13	Shut-In (2)
207	1362.07	129.93	End Shut-In (2)
208	1655.19	130.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	W. M. 10%w 90%m	0.30
180.00	G.M.W. 6%g 88%w 6%m	1.43
180.00	G.W.M. 3%g 47%w 50%m	2.52
30.00	G. Oil cut W. M. 10%g 6%o 34%w 50%o	0.42

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: Joe Baker

Blubaugh 1-20

20 31s 5w Harper KS

Job Ticket: 33162

DST#: 1

Test Start: 2008.08.01 @ 16:10:05

Tool Information

Drill Pipe:	Length: 3364.00 ft	Diameter: 3.80 inches	Volume: 47.19 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 48.08 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	3555.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	58.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3537.00	
Hydraulic tool	5.00			3542.00	
Safety Joint	3.00			3545.00	
Packer	5.00			3550.00	23.00 Bottom Of Top Packer
Packer	5.00			3555.00	
Recorder	0.00	8359	Inside	3555.00	
Recorder	0.00	8354	Inside	3555.00	
Perforations	32.00			3587.00	
Bullnose	3.00			3590.00	35.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

Blubaugh 1-20

250 N. Water STE 300
Wichita KS 67202

20 31s 5w Harper KS

Job Ticket: 33162

DST#: 1

ATTN: Joe Baker

Test Start: 2008.08.01 @ 16:10:05

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: 125000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.06 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	W. M. 10%w 90%m	0.295
180.00	G.M.W. 6%g 88%w 6%m	1.432
180.00	G.W.M. 3%g 47%w 50%m	2.525
30.00	G. Oil cut W. M. 10%g 6%o 34%w 50%m	0.421

Total Length: 450.00 ft

Total Volume: 4.673 bbl

Num Fluid Samples: 0

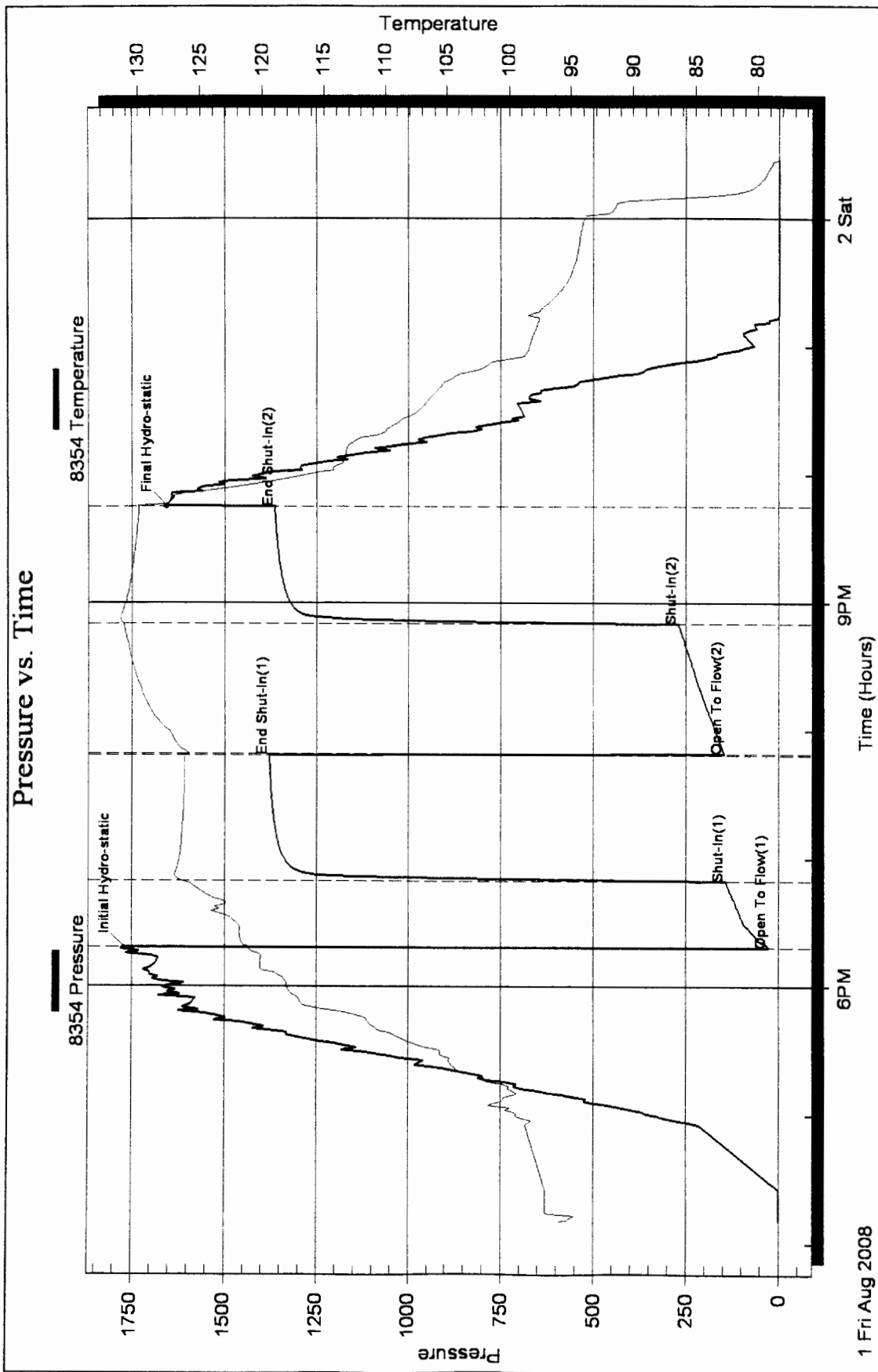
Num Gas Bombs: 0

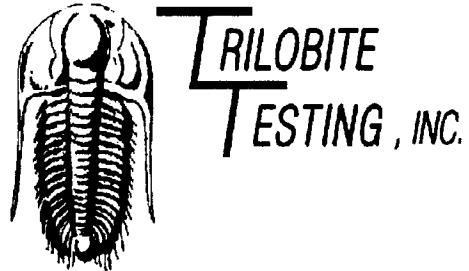
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

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

250 N. Water STE 300
Wichita KS 67202

ATTN: Joe Baker

20 31s 5w Harper KS

Blubaugh 1-20

Start Date: 2008.08.02 @ 12:03:20

End Date: 2008.08.02 @ 20:09:50

Job Ticket #: 33163

DST #: 2

Trilobite Testing, Inc

PO Box 1733 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: Joe Baker

Blubaugh 1-20

20 31s 5w Harper KS

Job Ticket: 33163

DST#: 2

Test Start: 2008.08.02 @ 12:03:20

GENERAL INFORMATION:

Formation: **Sw ope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:51:50

Time Test Ended: 20:09:50

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **3678.00 ft (KB) To 3710.00 ft (KB) (TVD)**

Total Depth: 3710.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1335.00 ft (KB)

1325.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8354

Inside

Press@RunDepth: 149.04 psig @ 3678.00 ft (KB)

Start Date: 2008.08.02

End Date: 2008.08.02

Start Time: 12:03:25

End Time: 20:09:49

Capacity: 7000.00 psig

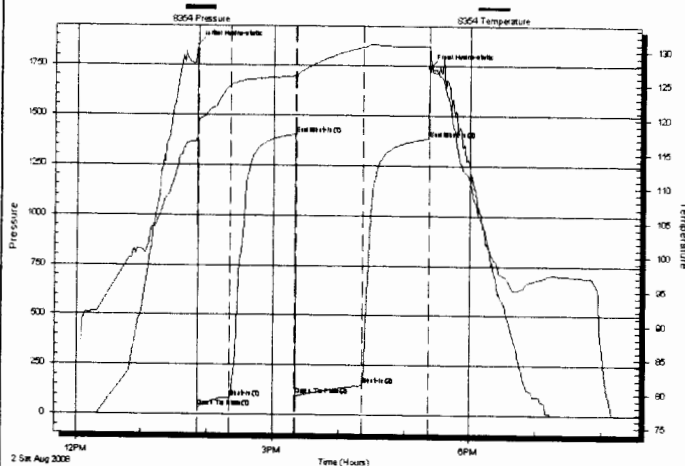
Last Calib.: 2008.08.02

Time On Btm: 2008.08.02 @ 13:50:50

Time Off Btm: 2008.08.02 @ 17:22:34

TEST COMMENT: IF Strong blow BOB in 2 mins
ISI Bled off No blow back
FF Strong blow BOB in 26 mins
FSI Bled off No blow back

Pressure vs. Time



PRESSURE SUMMARY

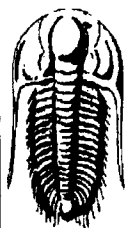
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1848.78	117.30	Initial Hydro-static
1	37.10	119.39	Open To Flow (1)
31	84.23	124.85	Shut-In (1)
90	1403.54	126.26	End Shut-In (1)
90	96.91	125.93	Open To Flow (2)
152	149.04	130.53	Shut-In (2)
212	1385.18	130.65	End Shut-In (2)
212	1739.66	130.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	G. Oil cut M. W. 1%g 9%o 80%w 10% m	0.30
120.00	G. Oil cut M. W. 1%g 9%o 80%w 10% m	0.59
60.00	G. Oil cut W. M. 5%g 5%o 30%w 60% m	0.84
50.00	G. W.Oil cut M. 10%g 20%o 10%w 60% n	0.70

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

250 N. Water STE 300
Wichita KS 67202

ATTN: Joe Baker

Blubaugh 1-20

20 31s 5w Harper KS

Job Ticket: 33163

DST#: 2

Test Start: 2008.08.02 @ 12:03:20

Tool Information

Drill Pipe:	Length: 3490.00 ft	Diameter: 3.80 inches	Volume: 48.96 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	75000.00 lb
		Total Volume:	49.85 bbl	Tool Chased	3.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3678.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	55.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3660.00	
Hydraulic tool	5.00			3665.00	
Safety Joint	3.00			3668.00	
Packer	5.00			3673.00	23.00 Bottom Of Top Packer
Packer	5.00			3678.00	
Recorder	0.00	8359	Inside	3678.00	
Recorder	0.00	8354	Inside	3678.00	
Perforations	29.00			3707.00	
Bullnose	3.00			3710.00	32.00 Bottom Packers & Anchor
Total Tool Length:	55.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

Blubaugh 1-20

250 N. Water STE 300
Wichita KS 67202

20 31s 5w Harper KS

Job Ticket: 33163

DST#: 2

ATTN: Joe Baker

Test Start: 2008.08.02 @ 12:03:20

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 13.97 in³

Resistivity: ohm.m

Salinity: 13000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	G. Oil cut M. W. 1%g 9%o 80%w 10%m	0.295
120.00	G. Oil cut M. W. 1%g 9%o 80%w 10%m	0.590
60.00	G. Oil cut W. M. 5%g 5%o 30%w 60%m	0.842
50.00	G. W.Oil cut M. 10%g 20%o 10%w 60%m	0.701

Total Length: 290.00 ft

Total Volume: 2.428 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

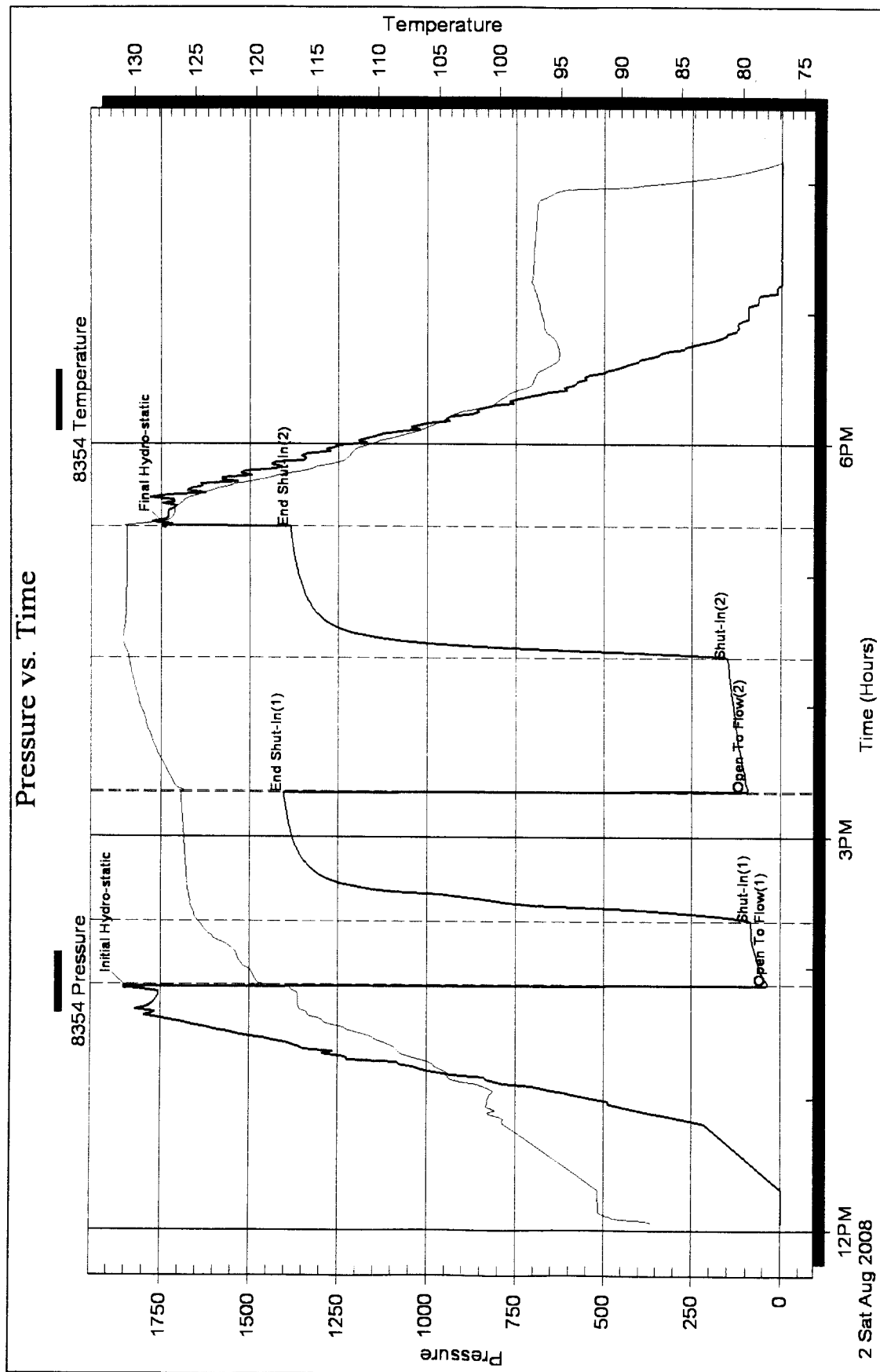
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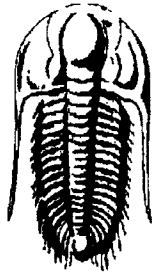
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

250 N. Water STE 300
Wichita KS 67202

ATTN: Joe Baker

20 31s 5w Harper KS

Blubaugh 1-20

Start Date: 2008.08.03 @ 05:34:34

End Date: 2008.08.03 @ 13:35:49

Job Ticket #: 33164 DST #: 3

Trilobite Testing, Inc

PO Box 1733 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: Joe Baker

Blubaugh 1-20

20 31s 5w Harper KS

Job Ticket: 33164

DST#: 3

Test Start: 2008.08.03 @ 05:34:34

GENERAL INFORMATION:

Formation: **Hertha**

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

Time Tool Opened: 07:35:49

Time Test Ended: 13:35:49

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **3721.00 ft (KB) To 3753.00 ft (KB) (TVD)**

Total Depth: 3753.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1335.00 ft (KB)

1325.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8354

Inside

Press@RunDepth: 158.06 psig @ 3721.00 ft (KB)

Start Date: 2008.08.03

End Date:

2008.08.03

Start Time: 05:34:39

End Time:

13:35:48

Capacity: 7000.00 psig

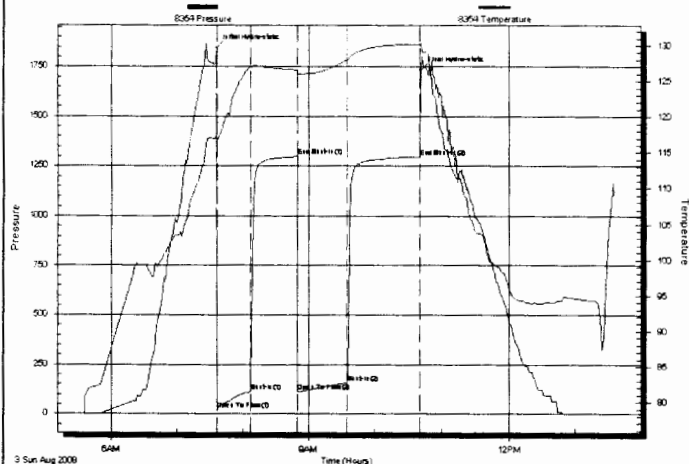
Last Calib.: 2008.08.03

Time On Btm: 2008.08.03 @ 07:35:34

Time Off Btm: 2008.08.03 @ 10:41:03

TEST COMMENT: IF Strong blow Built to 10" in 30 mins
ISI Bled off No blow back
FF Fair blow Built to 7" in 45 mins
FSI Bled off No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1845.29	117.43	Initial Hydro-static
1	20.00	116.73	Open To Flow (1)
31	111.21	126.93	Shut-In (1)
75	1298.95	126.55	End Shut-In (1)
75	111.07	126.16	Open To Flow (2)
120	158.06	128.00	Shut-In (2)
186	1297.27	130.12	End Shut-In (2)
186	1733.48	130.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	M. W. 74%w 26%m	0.59
60.00	M.W. 94%w 6%m	0.30
60.00	M. W. 80%w 20%m	0.84
60.00	M.W. 60%w 40%m	0.84

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

250 N. Water STE 300
Wichita KS 67202

ATTN: Joe Baker

Blubaugh 1-20

20 31s 5w Harper KS

Job Ticket: 33164

DST#: 3

Test Start: 2008.08.03 @ 05:34:34

Tool Information

Drill Pipe:	Length: 3550.00 ft	Diameter: 3.80 inches	Volume: 49.80 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	65000.00 lb
		Total Volume:	50.69 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	3721.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	55.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3703.00	
Hydraulic tool	5.00			3708.00	
Safety Joint	3.00			3711.00	
Packer	5.00			3716.00	23.00 Bottom Of Top Packer
Packer	5.00			3721.00	
Recorder	0.00	8359	Inside	3721.00	
Recorder	0.00	8354	Inside	3721.00	
Perforations	29.00			3750.00	
Bullnose	3.00			3753.00	32.00 Bottom Packers & Anchor
Total Tool Length:	55.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

Blubaugh 1-20

250 N. Water STE 300
Wichita KS 67202

20 31s 5w Harper KS

Job Ticket: 33164

DST#: 3

ATTN: Joe Baker

Test Start: 2008.08.03 @ 05:34:34

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 43.00 sec/qt

Water Loss: 13.97 in³

Resistivity: 0.05 ohm.m

Salinity: 13000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity: 150000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	M. W. 74%w 26%m	0.590
60.00	M.W. 94%w 6%m	0.295
60.00	M. W. 80%w 20%m	0.842
60.00	M.W. 60%w 40%m	0.842

Total Length: 300.00 ft

Total Volume: 2.569 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

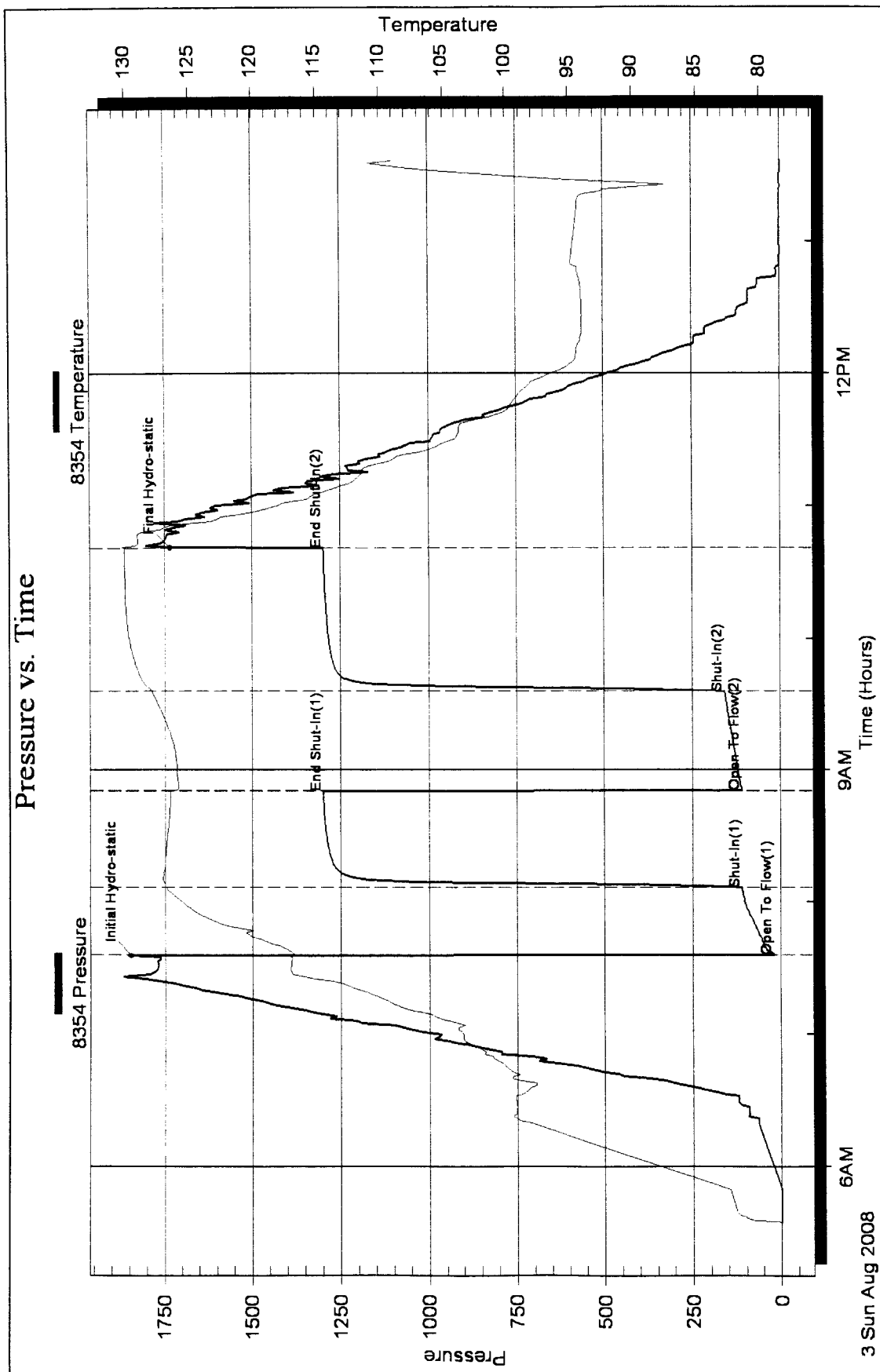
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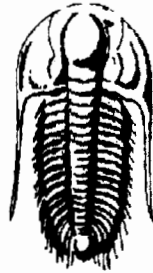
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

250 N. Water STE 300
Wichita KS 67202

ATTN: Joe Baker

20 31s 5w Harper KS

Blubaugh 1-20

Start Date: 2008.08.06 @ 00:30:59

End Date: 2008.08.06 @ 10:49:29

Job Ticket #: 31682 DST #: 4

Trilobite Testing, Inc

PO Box 1733 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: Joe Baker

Blubaugh 1-20

20 31s 5w Harper KS

Job Ticket: 31682

DST#: 4

Test Start: 2008.08.06 @ 00:30:59

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:49:44

Time Test Ended: 10:49:29

Test Type: Conventional Bottom Hole

Tester: Kevin Taylor

Unit No: 39

Interval: **4634.00 ft (KB) To 4642.00 ft (KB) (TVD)**

Total Depth: 3753.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 1335.00 ft (KB)

1325.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press@RunDepth: 209.75 psig @ 4635.00 ft (KB)

Start Date: 2008.08.06

End Date: 2008.08.06

Start Time: 00:31:04

End Time: 10:49:29

Capacity: 7000.00 psig

Last Calib.: 2008.08.06

Time On Btm: 2008.08.06 @ 03:49:29

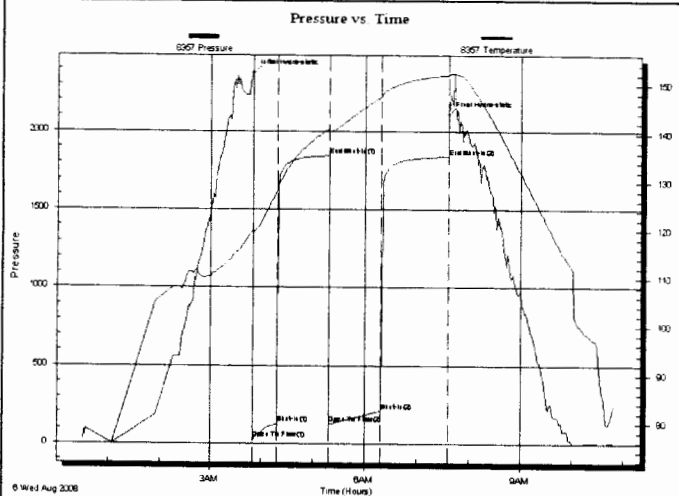
Time Off Btm: 2008.08.06 @ 07:35:59

TEST COMMENT: IF Weak Blow Built To 6" In 30 Mn

ISI No Blow

FF Weak Blow BOB 40 Mn

FSI No Blow



PRESSURE SUMMARY

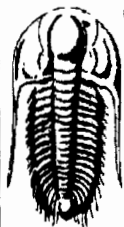
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2368.36	120.11	Initial Hydro-static
1	30.09	118.96	Open To Flow (1)
29	126.39	128.17	Shut-In (1)
89	1842.89	141.01	End Shut-In (1)
89	130.93	140.20	Open To Flow (2)
149	209.75	147.59	Shut-In (2)
227	1837.74	152.14	End Shut-In (2)
227	2105.65	152.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
208.00	MCW 25% m 75% w	1.28
180.00	CW 100% W	2.52

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

250 N. Water STE 300
Wichita KS 67202

ATTN: Joe Baker

Blubaugh 1-20

20 31s 5w Harper KS

Job Ticket: 31682

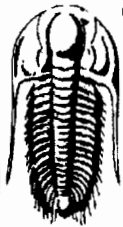
DST#: 4

Test Start: 2008.08.06 @ 00:30:59

Tool Information

Drill Pipe:	Length: 4435.00 ft	Diameter: 3.80 inches	Volume: 62.21 bbl	Tool Weight:	2100.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 63.10 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4634.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	8.00 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
Shut In Tool	5.00			4616.00	
Hydraulic tool	5.00			4621.00	
Safety Joint	3.00			4624.00	
Packer	5.00			4629.00	23.00 Bottom Of Top Packer
Packer	5.00			4634.00	
Stubb	1.00			4635.00	
Recorder	0.00	8357	Inside	4635.00	
Recorder	0.00	8167	Inside	4635.00	
Perforations	2.00			4637.00	
Bullnose	5.00			4642.00	8.00 Bottom Packers & Anchor
Total Tool Length:	31.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

Blubaugh 1-20

250 N. Water STE 300
Wichita KS 67202

20 31s 5w Harper KS

Job Ticket: 31682

DST#: 4

ATTN: Joe Baker

Test Start: 2008.08.06 @ 00:30:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

21000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.05 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
208.00	MCW 25% m 75% w	1.278
180.00	CW 100% W	2.525

Total Length: 388.00 ft

Total Volume: 3.803 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

