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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

250 N.Water Suite # 300
Wichita,Ks.67202

ORIGINAL
CONFIDENTIAL
KCC
JAN 18 2002
CONFIDENTIAL

ATTN: Scott Robinson

10-9s-17w Rooks

Thompson/West.Unit #1-10

Start Date: 2002.01.08 @ 01:04:03
End Date: 2002.01.08 @ 07:48:33
Job Ticket #: 15587 DST #: 1

Release
FEB 14 2003
From
Confidential

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

Murfin Drilling Co.Inc. Thompson/West.Unit #1-10 10-9s-17w Rooks DST # 1 L-KC.-A-G 2002.01.08

DRILL STEM TEST REPORT

Murfin Drilling Co.Inc.

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

Thompson/West.Unit #1-10

10-9s-17w Rooks

Job Ticket: 15587 **DST#: 1**

Test Start: 2002.01.08 @ 01:04:03

GENERAL INFORMATION:

Formation: **L-KC.--A-G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:37:33
Time Test Ended: 07:48:33

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 18

Interval: 3135.00 ft (KB) To 3250.00 ft (KB) (TVD)
Total Depth: 3250.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

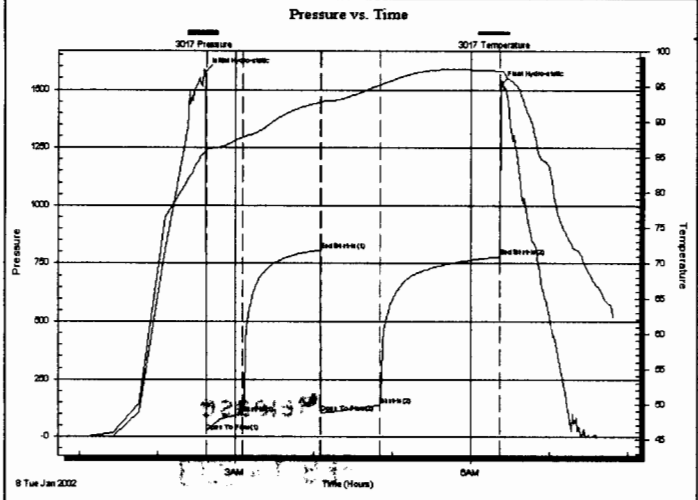
Reference Elevations: 2000.00 ft (KB)
1995.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3017 **Inside**

Press@RunDepth: 139.38 psig @ 3139.01 ft (KB)
Start Date: 2002.01.08 End Date: 2002.01.08
Start Time: 01:04:04 End Time: 07:48:33

Capacity: 7000.00 psig
Last Calib.: 2002.01.08
Time On Btm: 2002.01.08 @ 02:36:33
Time Off Btm: 2002.01.08 @ 06:22:33

TEST COMMENT: IF-Fair 10" in ISI-no blow
FF-Fair 8" in FSI-weak blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1578.87	85.77	Initial Hydro-static
1	22.54	85.97	Open To Flow (1)
29	102.51	87.83	Shut-In(1)
88	806.64	92.76	End Shut-In(1)
89	104.67	92.81	Open To Flow (2)
134	139.38	95.23	Shut-In(2)
226	780.09	97.22	End Shut-In(2)
226	1522.64	97.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	M-C-W--10%M--90%W	0.49
174.00	W-C-M-25%W-75%M	2.21
1.00	Free Oil	0.01

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co.Inc.

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

Thompson/West.Unit #1-10

10-9s-17w Rooks

Job Ticket: 15587 **DST#: 1**

Test Start: 2002.01.08 @ 01:04:03

Tool Information

Drill Pipe:	Length:	2995.00 ft	Diameter:	3.80 inches	Volume:	42.01 bbl
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl
Drill Collar:	Length:	125.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl
					Total Volume:	42.62 bbl

Drill Pipe Above KB:	5.00 ft
Depth to Top Packer:	3135.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	115.02 ft
Tool Length:	135.02 ft
Number of Packers:	2 Diameter: 6.75 inches
Tool Comments:	

Tool Weight:	3000.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	38000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	35000.00 lb
Final	36000.00 lb

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ORIGINAL

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3116.00		
S.I. Tool	5.00			3121.00		
HMV	5.00			3126.00		
Packer	4.00			3130.00	20.00	Bottom Of Top Packer
Packer	5.00			3135.00		
Stubb	1.00			3136.00		
Perforations	2.00			3138.00		
C.O. Sub	1.00			3139.00		
Recorder	0.01	3017	Inside	3139.01		
Blank Spacing	94.00			3233.01		
C.O. Sub	1.00			3234.01		
Perforations	13.00			3247.01		
Recorder	0.01	13308	Outside	3247.02		
Bullnose	3.00			3250.02	115.02	Bottom Packers & Anchor
Total Tool Length:	**135.02**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.Inc.

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

Thompson/West.Unit #1-10

10-9s-17w Rooks

Job Ticket: 15587 **DST#: 1**

Test Start: 2002.01.08 @ 01:04:03

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.97 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

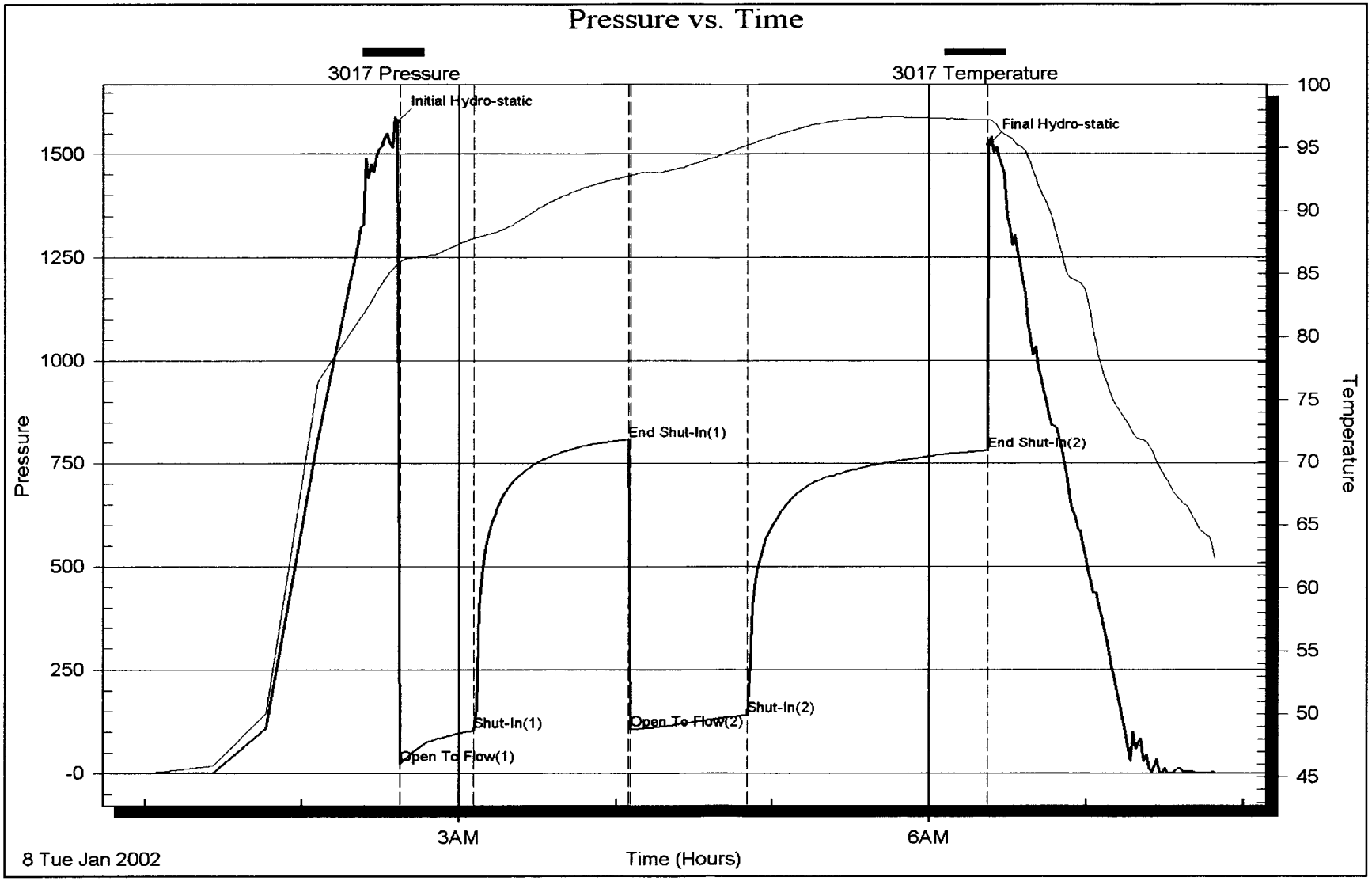
Length ft	Description	Volume bbl
100.00	M-C-W--10%M--90%W	0.492
174.00	W-C-M-25%W-75%M	2.213
1.00	Free Oil	0.014

Total Length: 275.00 ft Total Volume: 2.719 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
3017 Pressure
3017 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1500
1250
1000
750
500
250
-0
100
95
90
85
80
75
70
65
60
55
50
45
3AM
6AM
8 Tue Jan 2002
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

10-9s-17w Rooks

Thompson/West.Unit #1-10

Start Date: 2002.01.08 @ 18:48:45

End Date: 2002.01.09 @ 00:21:45

Job Ticket #: 15588 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Murfin Drilling Co.Inc.

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

Thompson/West.Unit #1-10

10-9s-17w Rooks

Job Ticket: 15588 **DST#: 2**

Test Start: 2002.01.08 @ 18:48:45

GENERAL INFORMATION:

Formation: **L-KC-I&J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:24:15
Time Test Ended: 00:21:45

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 18

Interval: 3292.00 ft (KB) To 3335.00 ft (KB) (TVD)
Total Depth: 3335.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

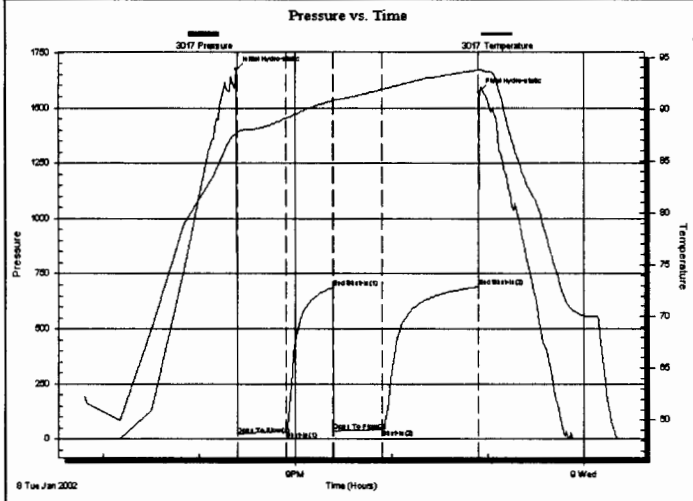
Reference Elevations: 2000.00 ft (KB)
1995.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3017 **Inside**

Press@RunDepth: 44.37 psig @ 3299.01 ft (KB)
Start Date: 2002.01.08 End Date: 2002.01.09
Start Time: 18:48:46 End Time: 00:21:45

Capacity: 7000.00 psig
Last Calib.: 2002.01.09
Time On Btm: 2002.01.08 @ 20:23:15
Time Off Btm: 2002.01.08 @ 22:54:45

TEST COMMENT: IF-Weak 1/2"in ISI no blow
FF-Weak Surf. FSI no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1672.06	87.65	Initial Hydro-static
1	19.03	87.76	Open To Flow (1)
31	34.91	89.07	Shut-In(1)
60	686.78	90.77	End Shut-In(1)
61	37.76	90.82	Open To Flow (2)
91	44.37	91.88	Shut-In(2)
151	691.25	93.74	End Shut-In(2)
152	1571.04	93.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud With Oil Specks	0.15

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co.Inc.

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

Thompson/West.Unit #1-10

10-9s-17w Rooks

Job Ticket: 15588 **DST#: 2**

Test Start: 2002.01.08 @ 18:48:45

Tool Information

Drill Pipe:	Length:	3092.00 ft	Diameter:	3.80 inches	Volume:	43.37 bbl	Tool Weight:		3000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	185.00 ft	Diameter:	2.25 inches	Volume:	0.91 bbl	Weight to Pull Loose:		50000.00 lb
					Total Volume:	44.28 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		5.00 ft					String Weight:	Initial	38000.00 lb
Depth to Top Packer:		3292.00 ft						Final	38000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		43.02 ft							
Tool Length:		63.02 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3273.00		
S.I. Tool	5.00			3278.00		
HMV	5.00			3283.00		
Packer	4.00			3287.00	20.00	Bottom Of Top Packer
Packer	5.00			3292.00		
Stubb	1.00			3293.00		
Perforations	6.00			3299.00		
Recorder	0.01	3017	Inside	3299.01		
Perforations	33.00			3332.01		
Recorder	0.01	13308	Outside	3332.02		
Bullnose	3.00			3335.02	43.02	Bottom Packers & Anchor
Total Tool Length:	**63.02**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.Inc.

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

Thompson/West.Unit #1-10

10-9s-17w Rooks

Job Ticket: 15588 **DST#: 2**

Test Start: 2002.01.08 @ 18:48:45

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:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.77 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

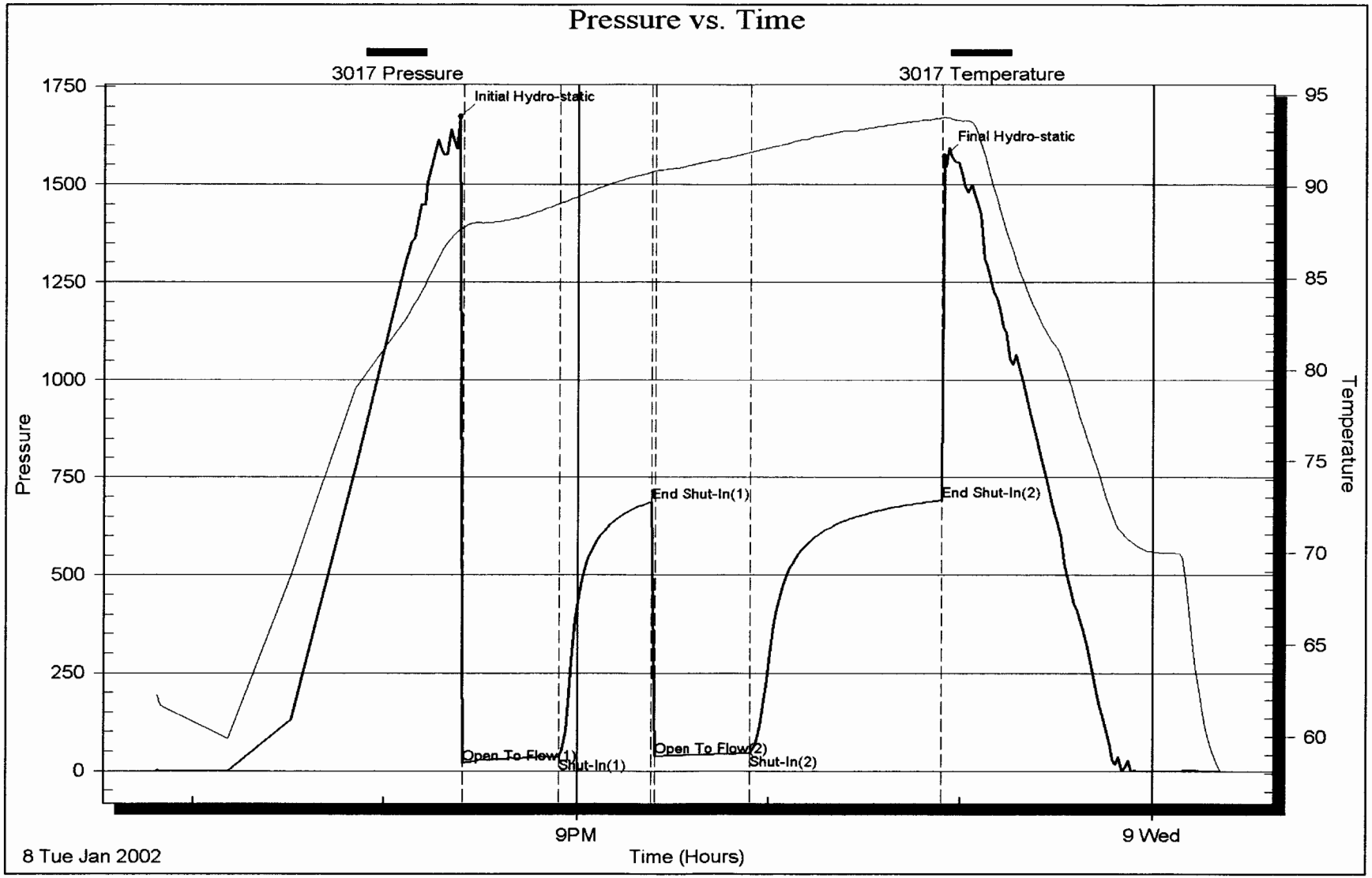
Length ft	Description	Volume bbl
30.00	Mud With Oil Specks	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
3017 Pressure
3017 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
95
90
85
80
75
70
65
60
9PM
9 Wed
8 Tue Jan 2002
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

10-9s-17w Rooks

Thompson/West.Unit #1-10

Start Date: 2002.01.09 @ 10:12:37

End Date: 2002.01.09 @ 17:05:07

Job Ticket #: 15589 DST #: 3

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Murfin Drilling Co.Inc.

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

Thompson/West.Unit #1-10

10-9s-17w Rooks

Job Ticket: 15589 **DST#: 3**

Test Start: 2002.01.09 @ 10:12:37

GENERAL INFORMATION:

Formation: **L-KC.K&L--Pleasonton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:45:37
Time Test Ended: 17:05:07

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 18

Interval: 3332.00 ft (KB) To 3395.00 ft (KB) (TVD)
Total Depth: 3395.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

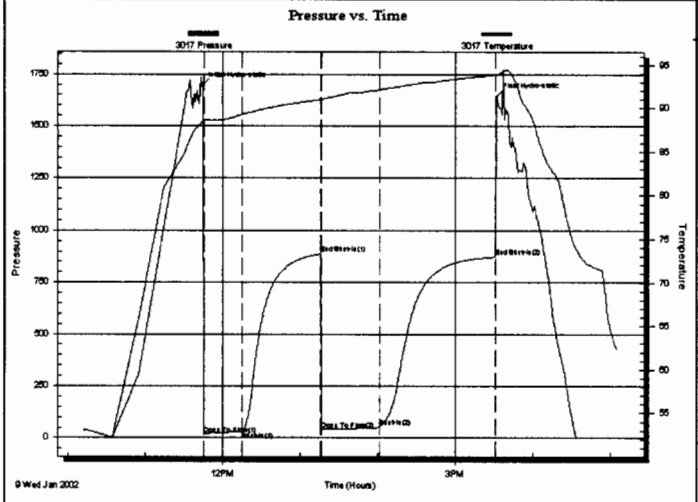
Reference Elevations: 2000.00 ft (KB)
1995.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3017 **Inside**

Press@RunDepth: 50.45 psig @ 3336.01 ft (KB)
Start Date: 2002.01.09 End Date: 2002.01.09
Start Time: 10:12:38 End Time: 17:05:07

Capacity: 7000.00 psig
Last Calib.: 2002.01.09
Time On Btm: 2002.01.09 @ 11:44:07
Time Off Btm: 2002.01.09 @ 15:32:07

TEST COMMENT: IF-Weak 1" ISI-no blow
FF-Weak Died 20min. FSI-no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1693.37	88.36	Initial Hydro-static
2	18.21	88.55	Open To Flow (1)
31	30.09	89.24	Shut-In(1)
92	887.93	91.00	End Shut-In(1)
93	39.82	91.02	Open To Flow (2)
137	50.45	92.11	Shut-In(2)
227	873.55	93.86	End Shut-In(2)
228	1640.74	93.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	S-O-C-M. 1%oil 99%mud	0.30

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co.Inc.

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

Thompson/West.Unit #1-10

10-9s-17w Rooks

Job Ticket: 15589 **DST#: 3**

Test Start: 2002.01.09 @ 10:12:37

Tool Information

Drill Pipe:	Length:	3212.00 ft	Diameter:	3.80 inches	Volume:	45.06 bbl	Tool Weight:		3000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	125.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:		44000.00 lb
					Total Volume:	45.67 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		25.00 ft					String Weight:	Initial	38000.00 lb
Depth to Top Packer:		3332.00 ft						Final	38000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		63.02 ft							
Tool Length:		83.02 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3313.00		
S.I. Tool	5.00			3318.00		
HMV	5.00			3323.00		
Packer	4.00			3327.00	20.00	Bottom Of Top Packer
Packer	5.00			3332.00		
Stubb	1.00			3333.00		
Perforations	2.00			3335.00		
C.O. Sub	1.00			3336.00		
Recorder	0.01	3017	Inside	3336.01		
Blank Spacing	30.00			3366.01		
C.O. Sub	1.00			3367.01		
Perforations	25.00			3392.01		
Recorder	0.01	13308	Outside	3392.02		
Bullnose	3.00			3395.02	63.02	Bottom Packers & Anchor
Total Tool Length:	**83.02**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.Inc.

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

Thompson/West.Unit #1-10

10-9s-17w Rooks

Job Ticket: 15589 **DST#: 3**

Test Start: 2002.01.09 @ 10:12:37

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

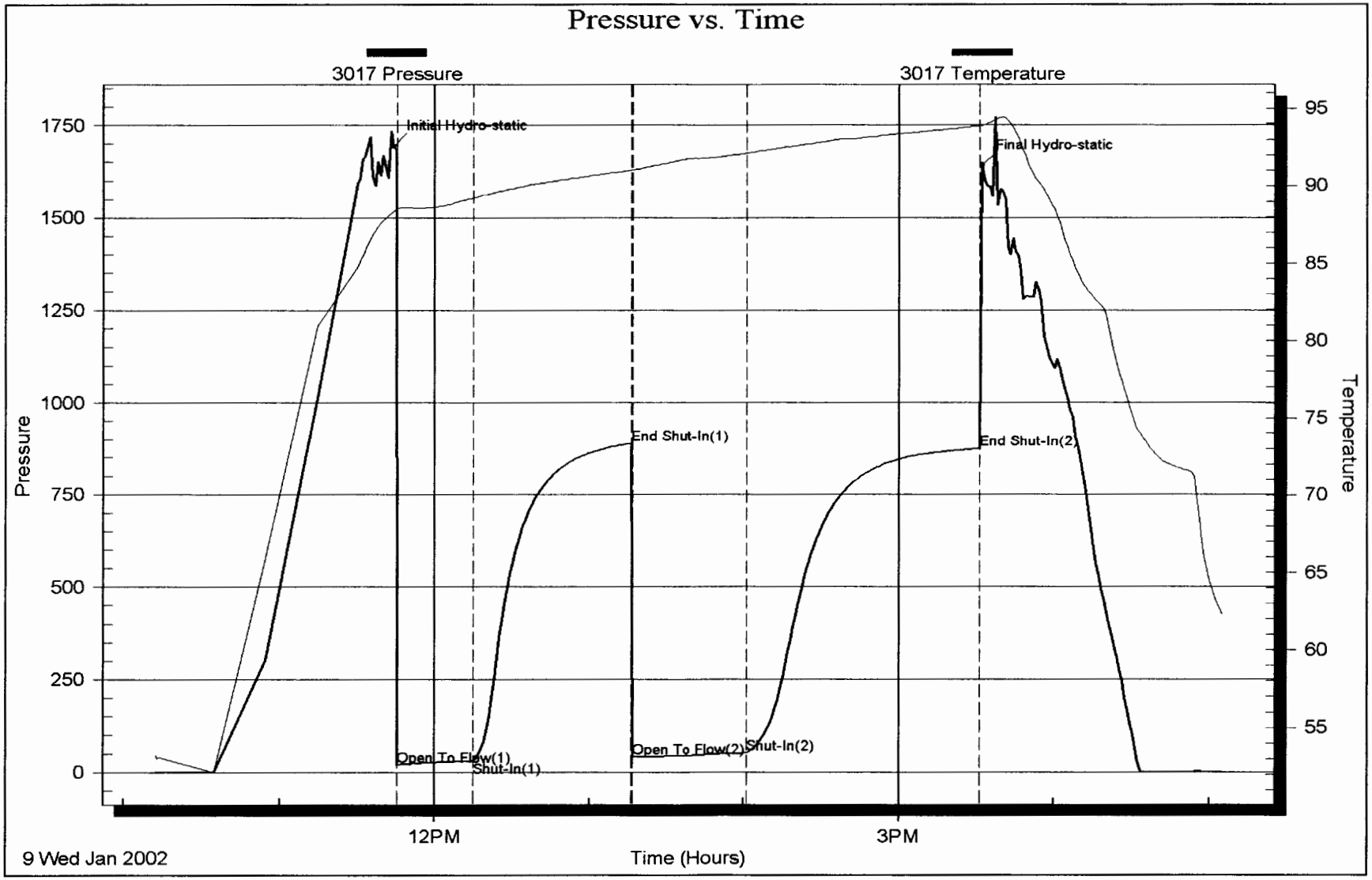
Length ft	Description	Volume bbl
60.00	S-O-C-M. 1%oil 99%mud	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
3017 Pressure
3017 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
95
90
85
80
75
70
65
60
55
12PM
3PM
9 Wed Jan 2002
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

10-9s-17w Rooks

Thompson/West.Unit #1-10

Start Date: 2002.01.09 @ 23:26:21

End Date: 2002.01.10 @ 04:44:51

Job Ticket #: 15590 DST #: 4

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

DRILL STEM TEST REPORT

Murfin Drilling Co.Inc.

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

Thompson/West.Unit #1-10

10-9s-17w Rooks

Job Ticket: 15590 **DST#: 4**

Test Start: 2002.01.09 @ 23:26:21

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:43:51
Time Test Ended: 04:44:51

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 18

Interval: 3420.00 ft (KB) To 3435.00 ft (KB) (TVD)
Total Depth: 3435.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

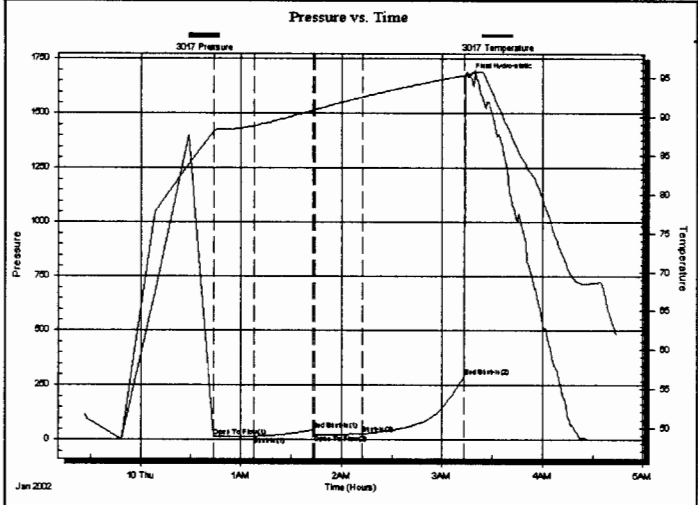
Reference Elevations: 2000.00 ft (KB)
1995.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3017 **Inside**

Press@RunDepth: 27.06 psig @ 3422.01 ft (KB)
Start Date: 2002.01.09 End Date: 2002.01.10
Start Time: 23:26:22 End Time: 04:44:51

Capacity: 7000.00 psig
Last Calib.: 2002.01.10
Time On Btm:
Time Off Btm: 2002.01.10 @ 03:15:51

TEST COMMENT: IF-Weak Dead in 10 min.
FF-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	13.79	88.17	Open To Flow (1)
24	16.75	88.82	Shut-In(1)
59	46.69	90.81	End Shut-In(1)
60	21.66	90.87	Open To Flow (2)
89	27.06	92.48	Shut-In(2)
150	292.64	95.30	End Shut-In(2)
152	1668.72	95.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.05

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co.Inc.

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

Thompson/West.Unit #1-10

10-9s-17w Rooks

Job Ticket: 15590 **DST#: 4**

Test Start: 2002.01.09 @ 23:26:21

Tool Information

Drill Pipe:	Length:	3306.00 ft	Diameter:	3.80 inches	Volume:	46.37 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	125.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:		40000.00 lb
					Total Volume:	46.98 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		31.00 ft					String Weight:	Initial	38000.00 lb
Depth to Top Packer:		3420.00 ft						Final	38000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		15.02 ft							
Tool Length:		35.02 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3401.00		
S.I. Tool	5.00			3406.00		
HMV	5.00			3411.00		
Packer	4.00			3415.00	20.00	Bottom Of Top Packer
Packer	5.00			3420.00		
Stubb	1.00			3421.00		
Perforations	1.00			3422.00		
Recorder	0.01	3017	Inside	3422.01		
Perforations	10.00			3432.01		
Recorder	0.01	13308	Outside	3432.02		
Bullnose	3.00			3435.02	15.02	Bottom Packers & Anchor
Total Tool Length:	**35.02**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.Inc.

250 N.Water Suite # 300
Wichita,Ks.67202

ATTN: Scott Robinson

Thompson/West.Unit #1-10

10-9s-17w Rooks

Job Ticket: 15590 **DST#: 4**

Test Start: 2002.01.09 @ 23:26:21

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:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

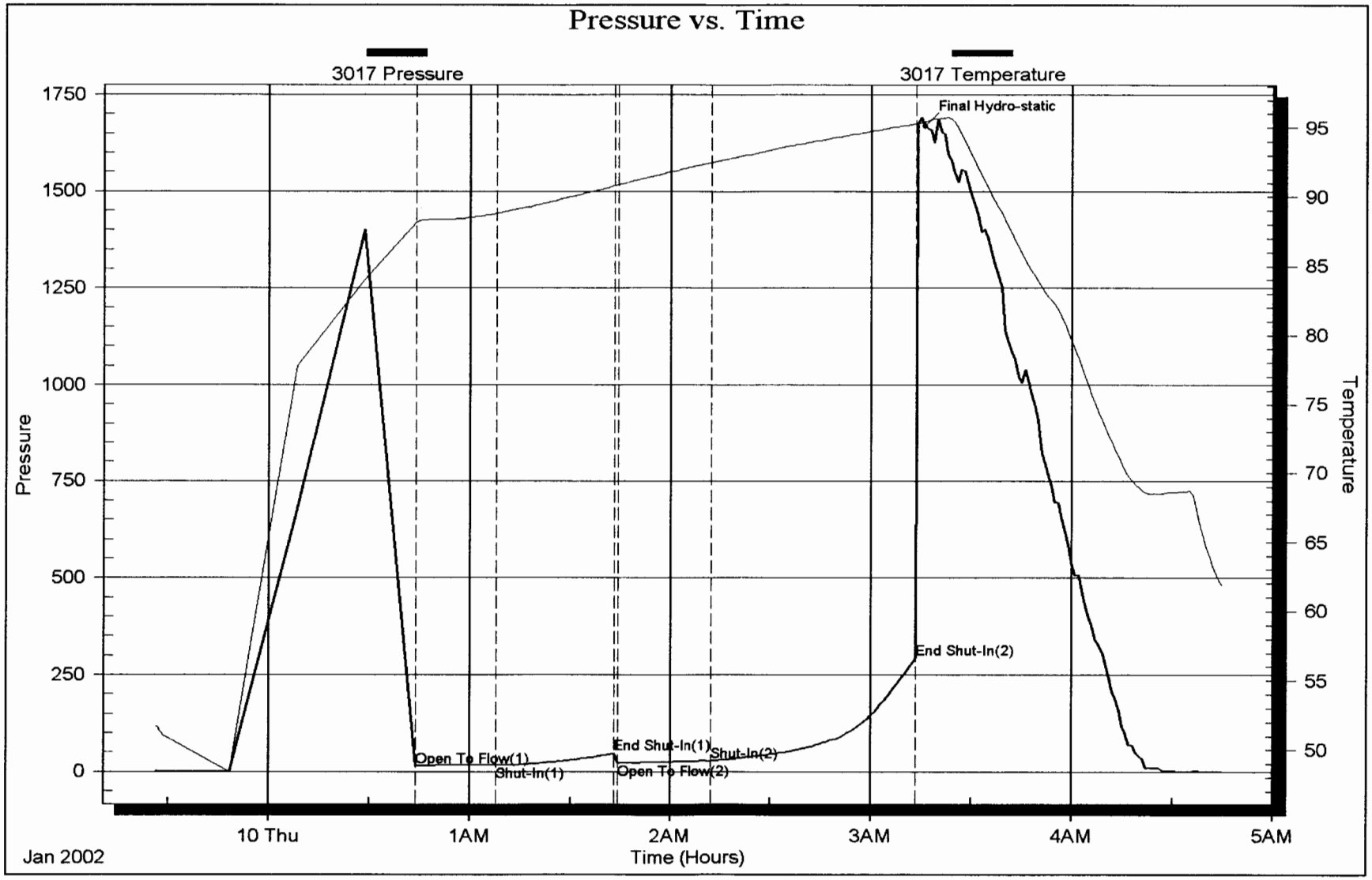
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
3017 Pressure
3017 Temperature
Final Hydro-static
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
End Shut-In(1)
Shut-In(2)
Open To Flow(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
95
90
85
80
75
70
65
60
55
50
10 Thu
1AM
2AM
3AM
4AM
5AM
Jan 2002
Time (Hours)