**TRILOBITE
TESTING, INC.****DRILL STEM TEST REPORT**Prepared For: **Murfin Drilling Co, Inc**250 N Water #300
Wichita, KS 67202

ATTN: Jeff Christian

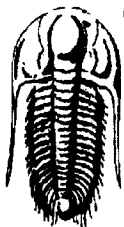
28-5s 29w Decatur KS**Hussey 2-28**

Start Date: 2008.07.21 @ 06:15:24

End Date: 2008.07.21 @ 13:59:24

Job Ticket #: 32843 DST #: 1

KCC
NOV 13 2008
CONFIDENTIALTrilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620**RECEIVED**
KANSAS CORPORATION COMMISSION**NOV 14 2008**CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co, Inc

250 N Water #300
Wichita, KS 67202

ATTN: Jeff Christian

Hussey 2-28

28-5s 29w Decatur KS

Job Ticket: 32843

DST#: 1

Test Start: 2008.07.21 @ 06:15:24

GENERAL INFORMATION:

Formation: **Toronto- LKC A- C**

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

Time Tool Opened: 07:55:54

Time Test Ended: 13:59:24

Test Type: **Conventional Bottom Hole**

Tester: **Paul Simpson**

Unit No: **41**

Interval: **3759.00 ft (KB) To 3838.00 ft (KB) (TVD)**

Total Depth: **3838.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2716.00 ft (KB)**

2711.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8018

Inside

Press@RunDepth: **201.05 psig @ 3826.00 ft (KB)**

Start Date: **2008.07.21**

End Date:

2008.07.21

Capacity: **7000.00 psig**

Last Calib.: **2008.07.21**

Start Time: **06:15:29**

End Time:

13:59:23

Time On Btm: **2008.07.21 @ 07:55:24**

Time Off Btm: **2008.07.21 @ 11:58:24**

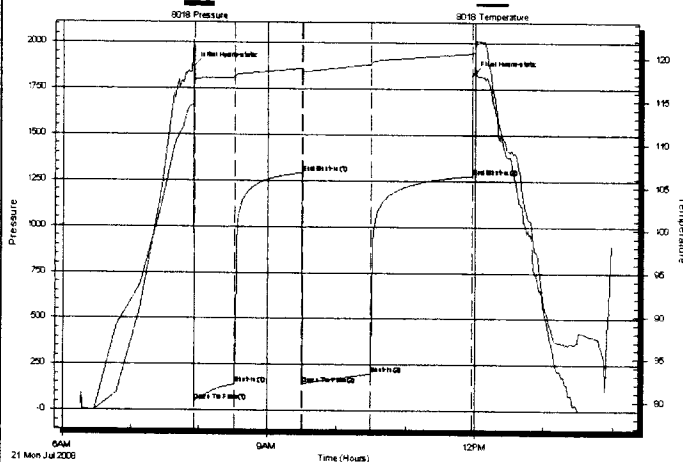
TEST COMMENT: IF- 1/2" blow building to 8"

ISL- no blow

FF- very weak surface blow building to 8.5"

FSL- no blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1869.85	116.93	Initial Hydro-static
1	50.09	117.21	Open To Flow (1)
36	140.68	117.76	Shut-In (1)
94	1292.41	118.82	End Shut-In (1)
95	144.61	118.52	Open To Flow (2)
154	201.05	119.31	Shut-In (2)
242	1277.57	120.57	End Shut-In (2)
243	1828.96	120.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
230.00	muddy water 60%w 40%m	1.60
100.00	watery mud 15%water 85%m	1.40

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

Hussey 2-28

250 N Water #300
Wichita, KS 67202

28-5s 29w Decatur KS

Job Ticket: 32843

DST#: 1

ATTN: Jeff Christian

Test Start: 2008.07.21 @ 06:15:24

Tool Information

Drill Pipe:	Length:	3581.00 ft	Diameter:	3.80 inches	Volume:	50.23 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	179.00 ft	Diameter:	2.25 inches	Volume:	0.88 bbl	Weight to Pull Loose:	66000.00 lb
					Total Volume:	51.11 bbl	Tool Chased	ft
Drill Pipe Above KB:		21.00 ft					String Weight: Initial	46000.00 lb
Depth to Top Packer:		3759.00 ft					Final	48000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		84.00 ft						
Tool Length:		104.00 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			3744.00	
Hydraulic tool	5.00			3749.00	
Packer	5.00			3754.00	20.00 Bottom Of Top Packer
Packer	5.00			3759.00	
Stubb	1.00			3760.00	
Perforations	1.00			3761.00	
Change Over Sub	1.00			3762.00	
Blank Spacing	63.00			3825.00	
Change Over Sub	1.00			3826.00	
Recorder	0.00	8018	Inside	3826.00	
Recorder	0.00	8371	Outside	3826.00	
Perforations	14.00			3840.00	
Bullnose	3.00			3843.00	84.00 Bottom Packers & Anchor

Total Tool Length: 104.00

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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co, Inc

Hussey 2-28

250 N Water #300
Wichita, KS 67202

28-5s 29w Decatur KS

Job Ticket: 32843

DST#: 1

ATTN: Jeff Christian

Test Start: 2008.07.21 @ 06:15:24

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:

21000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 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
230.00	muddy water 60%w 40%m	1.596
100.00	watery mud 15%w ater 85%m	1.403

Total Length: 330.00 ft

Total Volume: 2.999 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

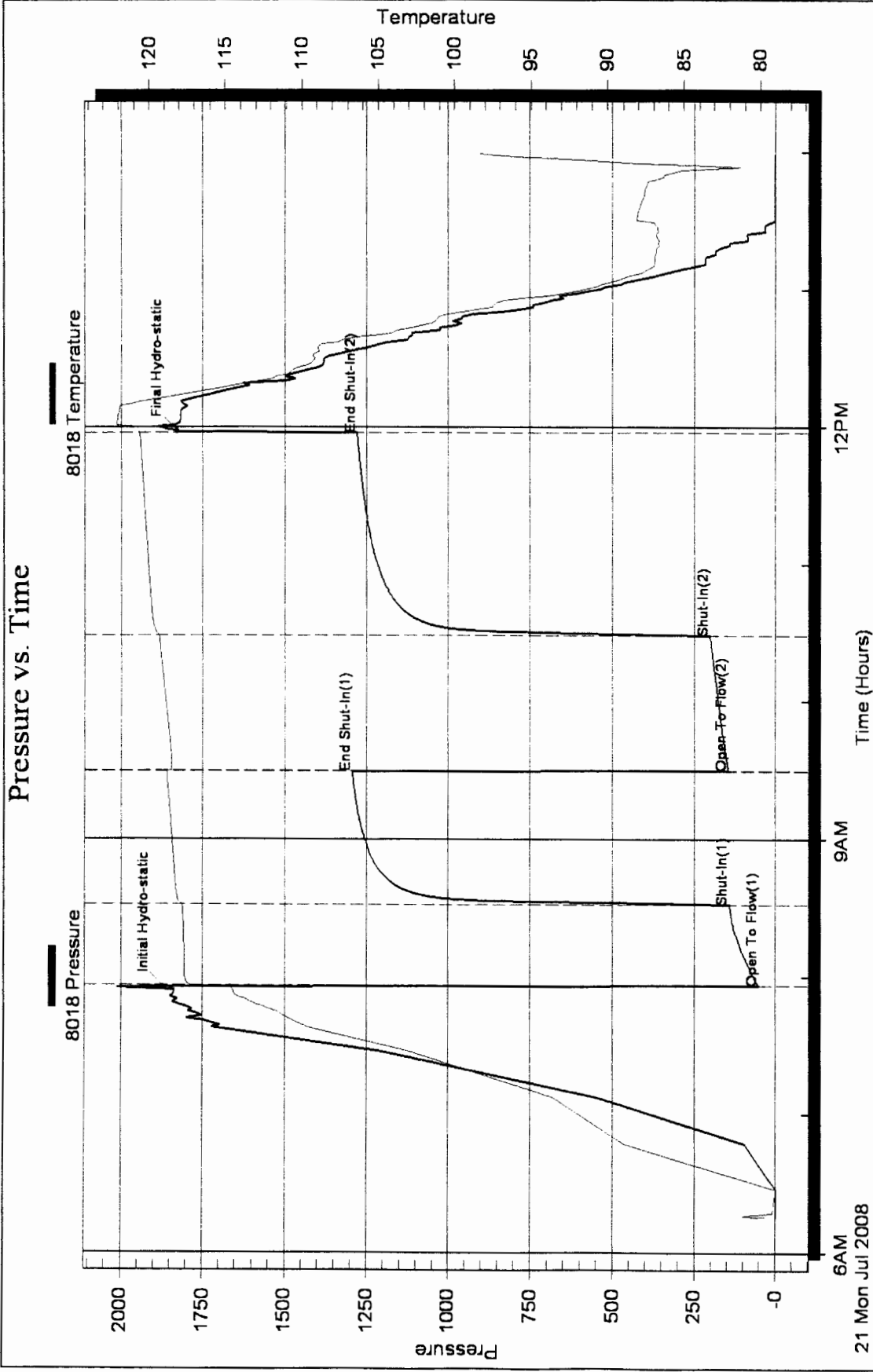
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .25@95

Pressure vs. Time



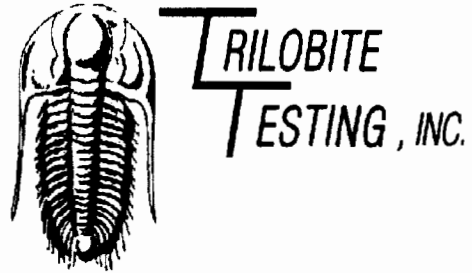
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Wichita, KS

Ref. No: 32843

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DRILL STEM TEST REPORT

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

250 N Water #300
Wichita, KS 67202

ATTN: Jeff Christian

28-5s 29w Decatur KS

Hussey 2-28

Start Date: 2008.07.21 @ 23:20:53

End Date: 2008.07.22 @ 06:52:23

Job Ticket #: 32124 DST #: 2

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PO Box 1733 Hays, KS 67601
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WICHITA, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co, Inc

250 N Water #300
Wichita, KS 67202

ATTN: Jeff Christian

Hussey 2-28

28-5s 29w Decatur KS

Job Ticket: 32124

DST#: 2

Test Start: 2008.07.21 @ 23:20:53

GENERAL INFORMATION:

Formation: **LKC "E & F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:36:53

Time Test Ended: 06:52:23

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 36

Interval: **3853.00 ft (KB) To 3885.00 ft (KB) (TVD)**

Total Depth: 3885.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2716.00 ft (KB)

2711.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 16.23 psig @ 3854.00 ft (KB)

Start Date: 2008.07.21

End Date:

2008.07.22

Capacity: 7000.00 psig

Last Calib.: 2008.07.22

Start Time: 23:20:58

End Time:

06:52:22

Time On Btm: 2008.07.22 @ 01:33:53

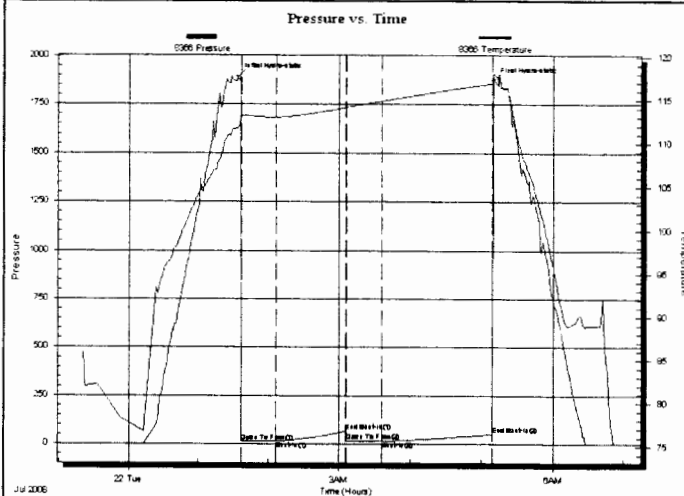
Time Off Btm: 2008.07.22 @ 05:08:53

TEST COMMENT: IF: Blow built to just over 1/4" 24-30 min blow died back to just under 1/4"

IS: Bled off No blow back

FF: No blow

FSI: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1891.16	111.79	Initial Hydro-static
3	14.15	112.94	Open To Flow (1)
33	15.28	113.03	Shut-In (1)
92	68.26	114.14	End Shut-In (1)
93	15.38	114.16	Open To Flow (2)
123	16.23	114.87	Shut-In (2)
215	52.08	116.93	End Shut-In (2)
215	1870.99	117.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud w/oil spots 100% m	0.01

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 #300
Wichita, KS 67202

ATTN: Jeff Christian

Hussey 2-28

28-5s 29w Decatur KS

Job Ticket: 32124

DST#: 2

Test Start: 2008.07.21 @ 23:20:53

Tool Information

Drill Pipe:	Length: 3677.00 ft	Diameter: 3.80 inches	Volume: 51.58 bbl	Tool Weight: 2500.00 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: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	52.46 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3853.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	52.00 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			3838.00	
Hydraulic tool	5.00			3843.00	
Packer	5.00			3848.00	20.00 Bottom Of Top Packer
Packer	5.00			3853.00	
Stubb	1.00			3854.00	
Recorder	0.00	8366	Inside	3854.00	
Recorder	0.00	8320	Outside	3854.00	
Perforations	28.00			3882.00	
Bullnose	3.00			3885.00	32.00 Bottom Packers & Anchor
Total Tool Length:	52.00				

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WICHITA, KS



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co, Inc

Hussey 2-28

250 N Water #300
Wichita, KS 67202

28-5s 29w Decatur KS

Job Ticket: 32124

DST#: 2

ATTN: Jeff Christian

Test Start: 2008.07.21 @ 23:20:53

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: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud w/oil spots 100% m	0.010

Total Length: 2.00 ft

Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

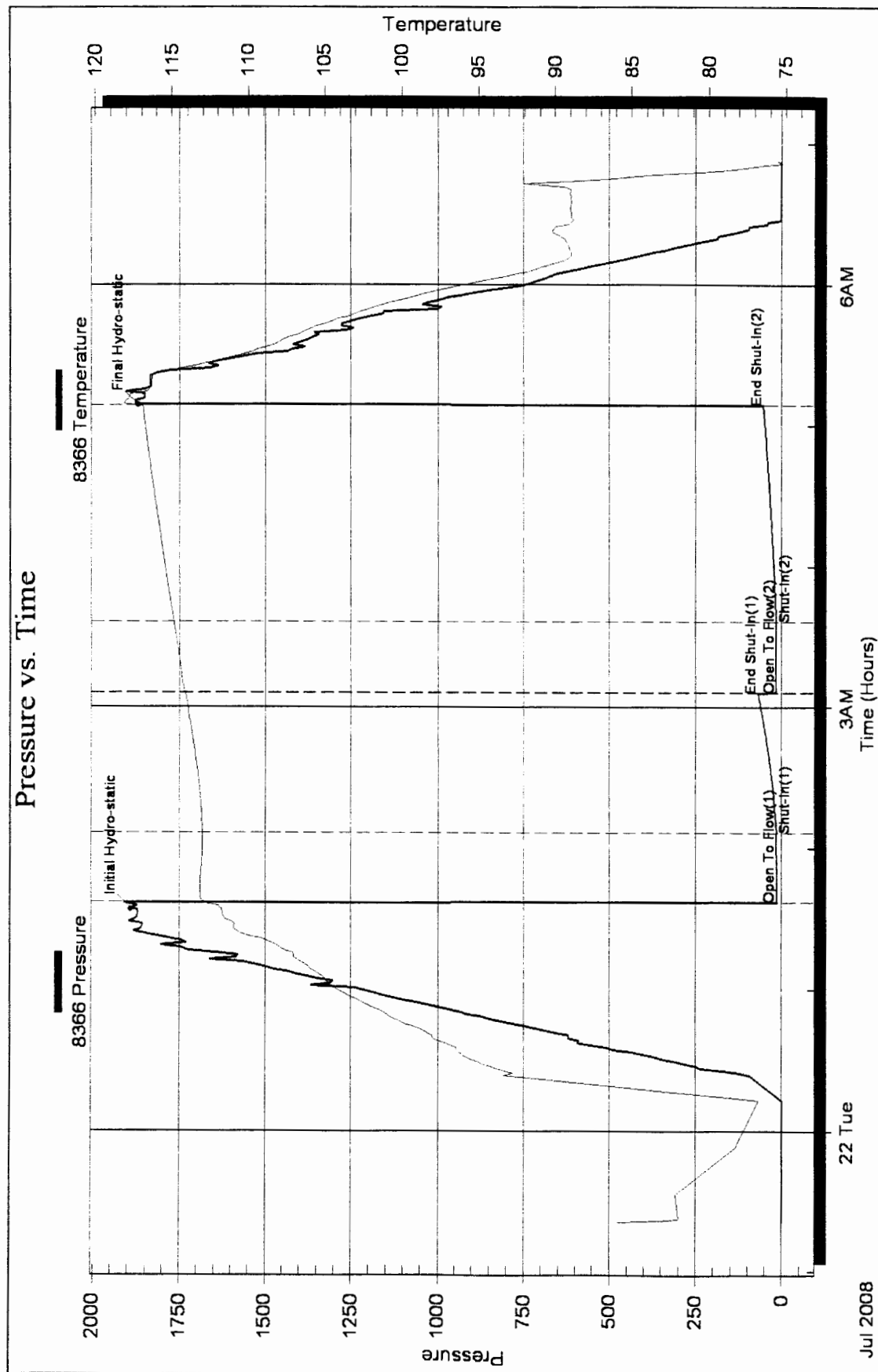
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



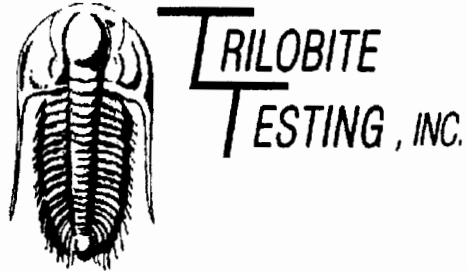
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WICHITA, KS

Ref. No: 32124

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DRILL STEM TEST REPORT

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

250 N Water #300
Wichita, KS 67202

ATTN: Jeff Christian

28-5s 29w Decatur KS

Hussey 2-28

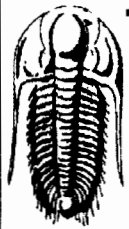
Start Date: 2008.07.22 @ 13:20:42

End Date: 2008.07.22 @ 22:17:12

Job Ticket #: 32125 DST #: 3

Trilobite Testing, Inc
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WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co, Inc

250 N Water #300
Wichita, KS 67202

ATTN: Jeff Christian

Hussey 2-28

28-5s 29w Decatur KS

Job Ticket: 32125

DST#: 3

Test Start: 2008.07.22 @ 13:20:42

GENERAL INFORMATION:

Formation: **LKC "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:12:12

Time Test Ended: 22:17:12

Test Type: Conventional Bottom Hole

Tester: James Winder/ J.D Fo

Unit No: 36

Interval: **3878.00 ft (KB) To 3906.00 ft (KB) (TVD)**

Total Depth: 3906.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2716.00 ft (KB)

2711.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 503.89 psig @ 3879.00 ft (KB)

Start Date: 2008.07.22

End Date:

2008.07.22

Start Time: 13:20:47

End Time:

22:17:12

Capacity: 7000.00 psig

Last Calib.: 2008.07.22

Time On Btm: 2008.07.22 @ 16:11:12

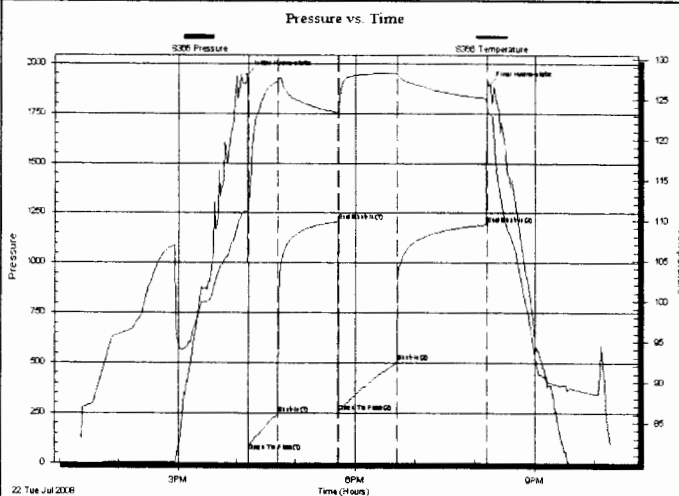
Time Off Btm: 2008.07.22 @ 20:13:42

TEST COMMENT: IF: Blow built to BOB in 6 min.

ISI: Bled off, No blow back

FF: Blow built to BOB in 9 min.

FSI: Bled off, No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1944.72	111.12	Initial Hydro-static
1	54.64	111.71	Open To Flow (1)
31	246.15	127.26	Shut-In (1)
91	1207.65	123.35	End Shut-In (1)
92	253.96	123.03	Open To Flow (2)
151	503.89	128.23	Shut-In (2)
241	1193.13	125.16	End Shut-In (2)
243	1893.58	123.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
735.00	VSMCW 97%w, 3%m	8.68
250.00	SMCW 91%w, 9%m	3.51
135.00	MCW w/trace oil 69%w, 31%m	1.89
0.00	RW= .241 @ 80.5 deg F	0.00
0.00	Chlorides = 26000 ppm	0.00

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

Hussey 2-28

250 N Water #300
Wichita, KS 67202

28-5s 29w Decatur KS

Job Ticket: 32125

DST#: 3

ATTN: Jeff Christian

Test Start: 2008.07.22 @ 13:20:42

Tool Information

Drill Pipe:	Length: 3708.00 ft	Diameter: 3.80 inches	Volume: 52.01 bbl	Tool Weight: 2500.00 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: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	52.89 bbl	Tool Chased 4.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3878.00 ft			Final 50000.00 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
Shut In Tool	5.00			3863.00	
Hydraulic tool	5.00			3868.00	
Packer	5.00			3873.00	20.00 Bottom Of Top Packer
Packer	5.00			3878.00	
Stubb	1.00			3879.00	
Recorder	0.00	8366	Inside	3879.00	
Recorder	0.00	8320	Outside	3879.00	
Perforations	24.00			3903.00	
Bullnose	3.00			3906.00	28.00 Bottom Packers & Anchor
Total Tool Length:	48.00				

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CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co, Inc

Hussey 2-28

250 N Water #300
Wichita, KS 67202

28-5s 29w Decatur KS

Job Ticket: 32125

DST#: 3

ATTN: Jeff Christian

Test Start: 2008.07.22 @ 13:20:42

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
735.00	VSMCW 97%w, 3%m	8.680
250.00	SMCW 91%w, 9%m	3.507
135.00	MCW w/trace oil 69%w, 31%m	1.894
0.00	RW= .241 @ 80. 5 deg F	0.000
0.00	Chlorides = 26000 ppm	0.000

Total Length: 1120.00 ft

Total Volume: 14.081 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 3

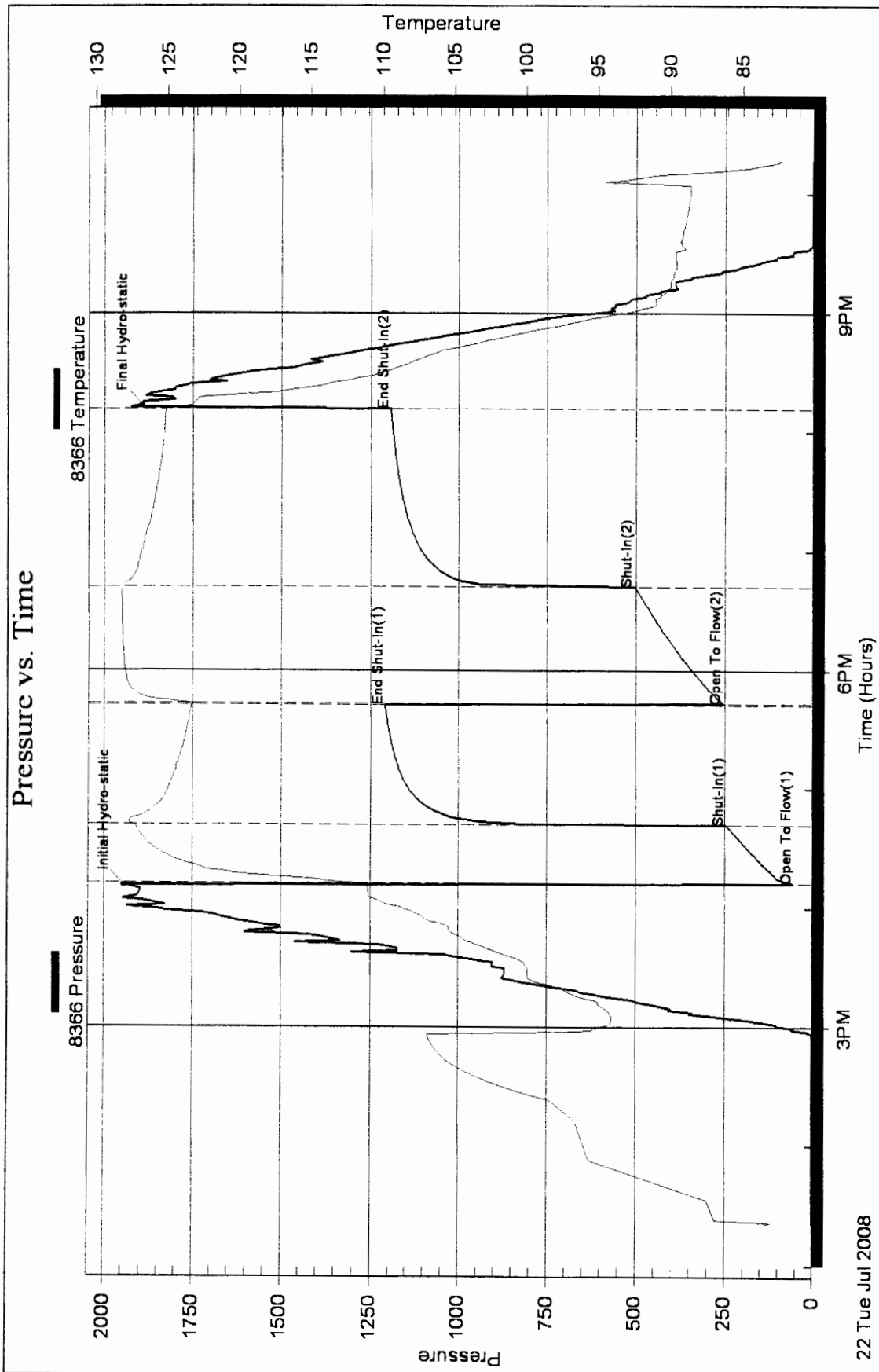
28-5s 29w Decatur KS

Murfin Drilling Co. Inc

Inside

Serial #: 8366

Pressure vs. Time



WICHITA, KS

CONSERVATION DIVISION

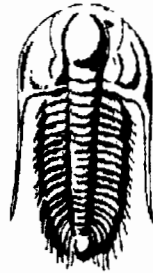
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Trilobite Testing, Inc

Ref. No: 32125

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

250 N Water #300
Wichita, KS 67202

ATTN: Jeff Christian

28-5s 29w Decatur KS

Hussey 2-28

Start Date: 2008.07.23 @ 09:32:14

End Date: 2008.07.23 @ 16:43:14

Job Ticket #: 32126 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co, Inc

250 N Water #300
Wichita, KS 67202

ATTN: Jeff Christian

Hussey 2-28

28-5s 29w Decatur KS

Job Ticket: 32126

DST#: 4

Test Start: 2008.07.23 @ 09:32:14

GENERAL INFORMATION:

Formation: **LKC "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:11:44

Time Test Ended: 16:43:14

Test Type: Conventional Bottom Hole

Tester: James W / James F

Unit No: 36

Interval: **3905.00 ft (KB) To 3966.00 ft (KB) (TVD)**

Total Depth: 3966.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2716.00 ft (KB)

2711.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 73.80 psig @ 3906.00 ft (KB)

Start Date: 2008.07.23

End Date:

2008.07.23

Capacity: 7000.00 psig

Last Calib.: 2008.07.23

Start Time: 09:32:19

End Time:

16:43:13

Time On Btm: 2008.07.23 @ 11:11:14

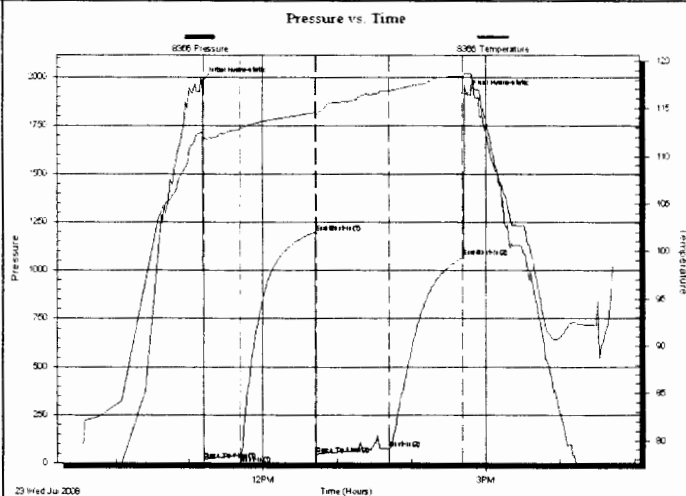
Time Off Btm: 2008.07.23 @ 14:44:14

TEST COMMENT: IF: 1/4" blow built to 1 3/4"

ISl: bled off no blow back

FF: surface blow at 6min built to 1 1/2"

FSl: bled off no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1982.84	112.45	Initial Hydro-static
1	15.90	111.79	Open To Flow (1)
30	40.08	112.75	Shut-In(1)
91	1198.10	114.58	End Shut-In(1)
92	43.88	114.28	Open To Flow (2)
151	73.80	116.87	Shut-In(2)
210	1069.72	118.39	End Shut-In(2)
213	1914.38	118.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCM 84% m, 11% o, 5% g	0.59

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

Hussey 2-28

250 N Water #300
Wichita, KS 67202

28-5s 29w Decatur KS

Job Ticket: 32126

DST#: 4

ATTN: Jeff Christian

Test Start: 2008.07.23 @ 09:32:14

Tool Information

Drill Pipe:	Length: 3739.00 ft	Diameter: 3.80 inches	Volume: 52.45 bbl	Tool Weight:	2500.00 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: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	68000.00 lb
			Total Volume: 53.33 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3905.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	61.00 ft				
Tool Length:	81.00 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			3890.00	
Hydraulic tool	5.00			3895.00	
Packer	5.00			3900.00	20.00 Bottom Of Top Packer
Packer	5.00			3905.00	
Stubb	1.00			3906.00	
Recorder	0.00	8366	Inside	3906.00	
Recorder	0.00	8320	Outside	3906.00	
Perforations	24.00			3930.00	
Blank Spacing	33.00			3963.00	
Bullnose	3.00			3966.00	61.00 Bottom Packers & Anchor
Total Tool Length:	81.00				

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WICHITA, K.S.



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co, Inc

Hussey 2-28

250 N Water #300
Wichita, KS 67202

28-5s 29w Decatur KS

Job Ticket: 32126

DST#: 4

ATTN: Jeff Christian

Test Start: 2008.07.23 @ 09:32:14

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OCM 84%w, 11%o, 5%g	0.590

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

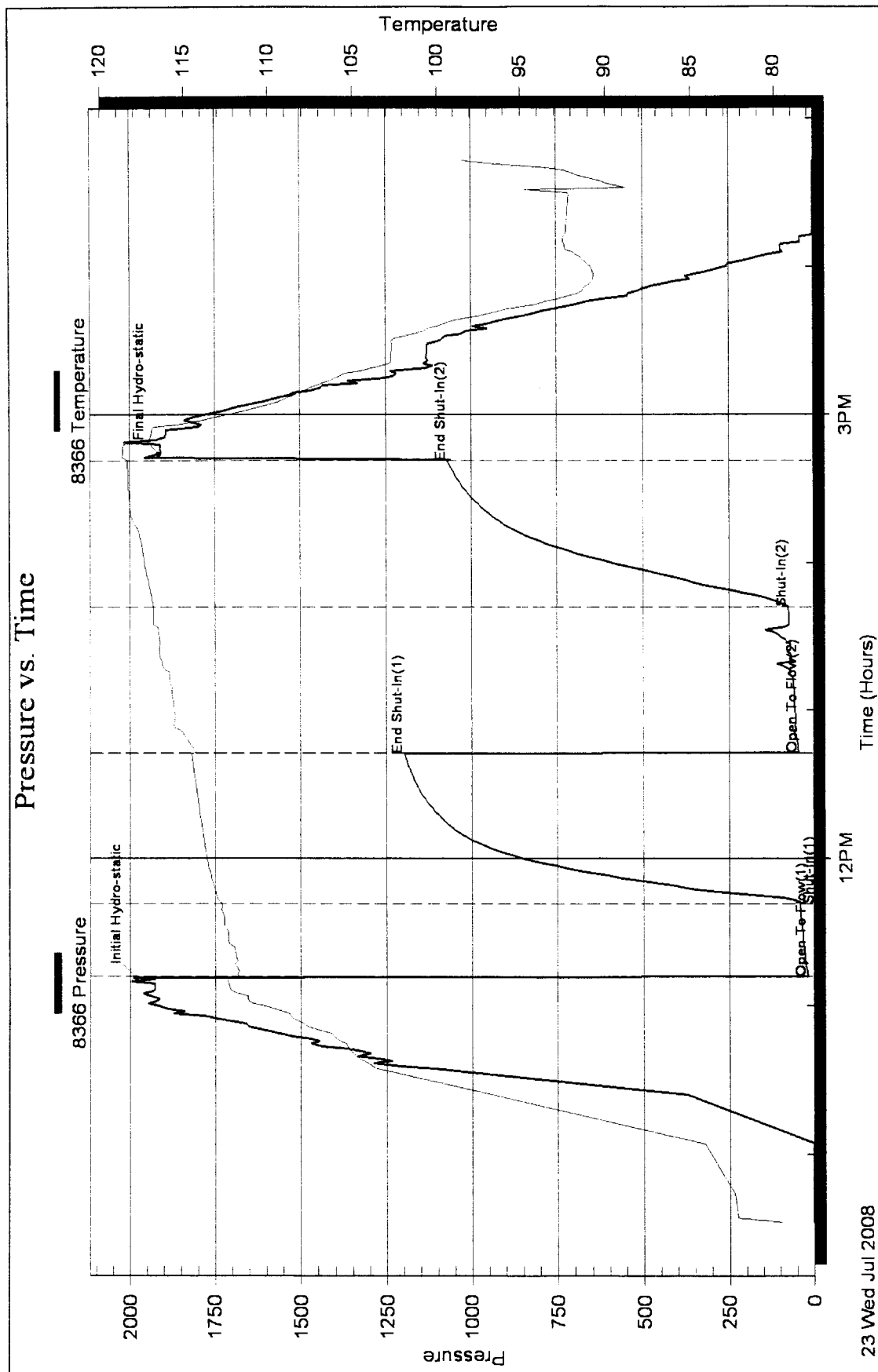
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



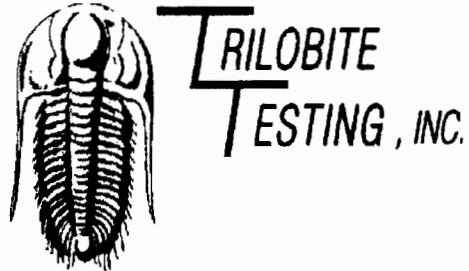
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WICHITA, KS

NOV 14 2008

Ref. No: 32126

Trilobite Testing, Inc

Printed: 2008.08.05 @ 12:49:54 Page 5



DRILL STEM TEST REPORT

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

250 N Water #300
Wichita, KS 67202

ATTN: Jeff Christian

28-5s 29w Decatur KS

Hussey 2-28

Start Date: 2008.07.23 @ 23:40:43

End Date: 2008.07.24 @ 07:55:13

Job Ticket #: 32127 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co, Inc

250 N Water #300
Wichita, KS 67202

ATTN: Jeff Christian

Hussey 2-28

28-5s 29w Decatur KS

Job Ticket: 32127

DST#: 5

Test Start: 2008.07.23 @ 23:40:43

GENERAL INFORMATION:

Formation: **lkc "k"**

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

Time Tool Opened: 01:44:43

Time Test Ended: 07:55:13

Test Type: **Conventional Bottom Hole**

Tester: **james w /james f**

Unit No: **36**

Interval: **3960.00 ft (KB) To 3994.00 ft (KB) (TVD)**

Total Depth: **3994.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2716.00 ft (KB)**

2711.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8366

Inside

Press@RunDepth: **116.20 psig @ 3961.00 ft (KB)**

Start Date: **2008.07.23**

End Date:

2008.07.24

Start Time: **23:40:48**

End Time:

07:55:12

Capacity: **7000.00 psig**

Last Calib.: **2008.07.24**

Time On Btm: **2008.07.24 @ 01:42:13**

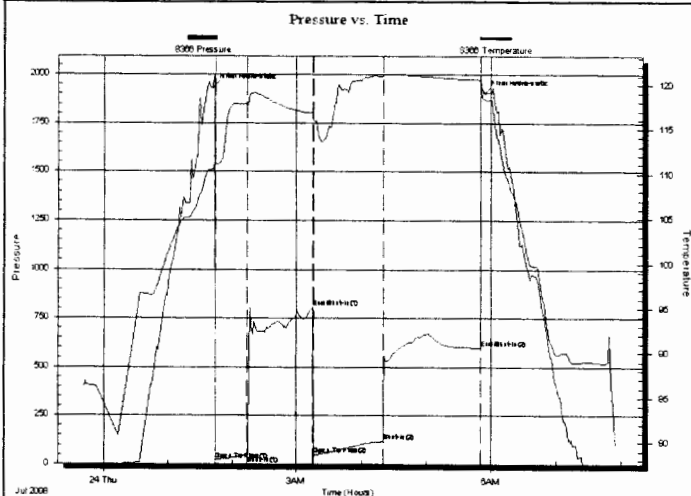
Time Off Btm: **2008.07.24 @ 05:53:43**

TEST COMMENT: **IF: 1/2 BLOW BUILT TO 3"**

IS: BLED OFF NO BLOW BACK

FF: BLOW BUILT TO 6"

FS: BLED OFF, NO BLOWBACK



PRESSURE SUMMARY

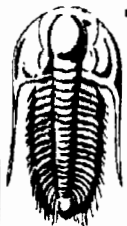
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1931.08	110.48	Initial Hydro-static
3	20.58	111.04	Open To Flow (1)
33	45.64	117.72	Shut-In (1)
93	802.78	116.81	End Shut-In (1)
94	46.39	115.98	Open To Flow (2)
158	116.20	120.92	Shut-In (2)
248	598.30	120.56	End Shut-In (2)
252	1903.71	118.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
204.00	GOCM 87% m, 6% o, 7% g	1.23

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

Hussey 2-28

250 N Water #300
Wichita, KS 67202

28-5s 29w Decatur KS

Job Ticket: 32127

DST#: 5

ATTN: Jeff Christian

Test Start: 2008.07.23 @ 23:40:43

Tool Information

Drill Pipe:	Length: 3770.00 ft	Diameter: 3.80 inches	Volume: 52.88 bbl	Tool Weight: 2500.00 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: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 53.76 bbl	Tool Chased 4.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3960.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	54.00 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			3945.00	
Hydraulic tool	5.00			3950.00	
Packer	5.00			3955.00	20.00 Bottom Of Top Packer
Packer	5.00			3960.00	
Stubb	1.00			3961.00	
Recorder	0.00	8366	Inside	3961.00	
Recorder	0.00	8320	Inside	3961.00	
Perforations	30.00			3991.00	
Bullnose	3.00			3994.00	34.00 Bottom Packers & Anchor
Total Tool Length:	54.00				

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Hussey 2-28

250 N Water #300
Wichita, KS 67202

28-5s 29w Decatur KS

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ATTN: Jeff Christian

Test Start: 2008.07.23 @ 23:40:43

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: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
204.00	GOCM 87% m, 6% o, 7% g	1.231

Total Length: 204.00 ft

Total Volume: 1.231 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

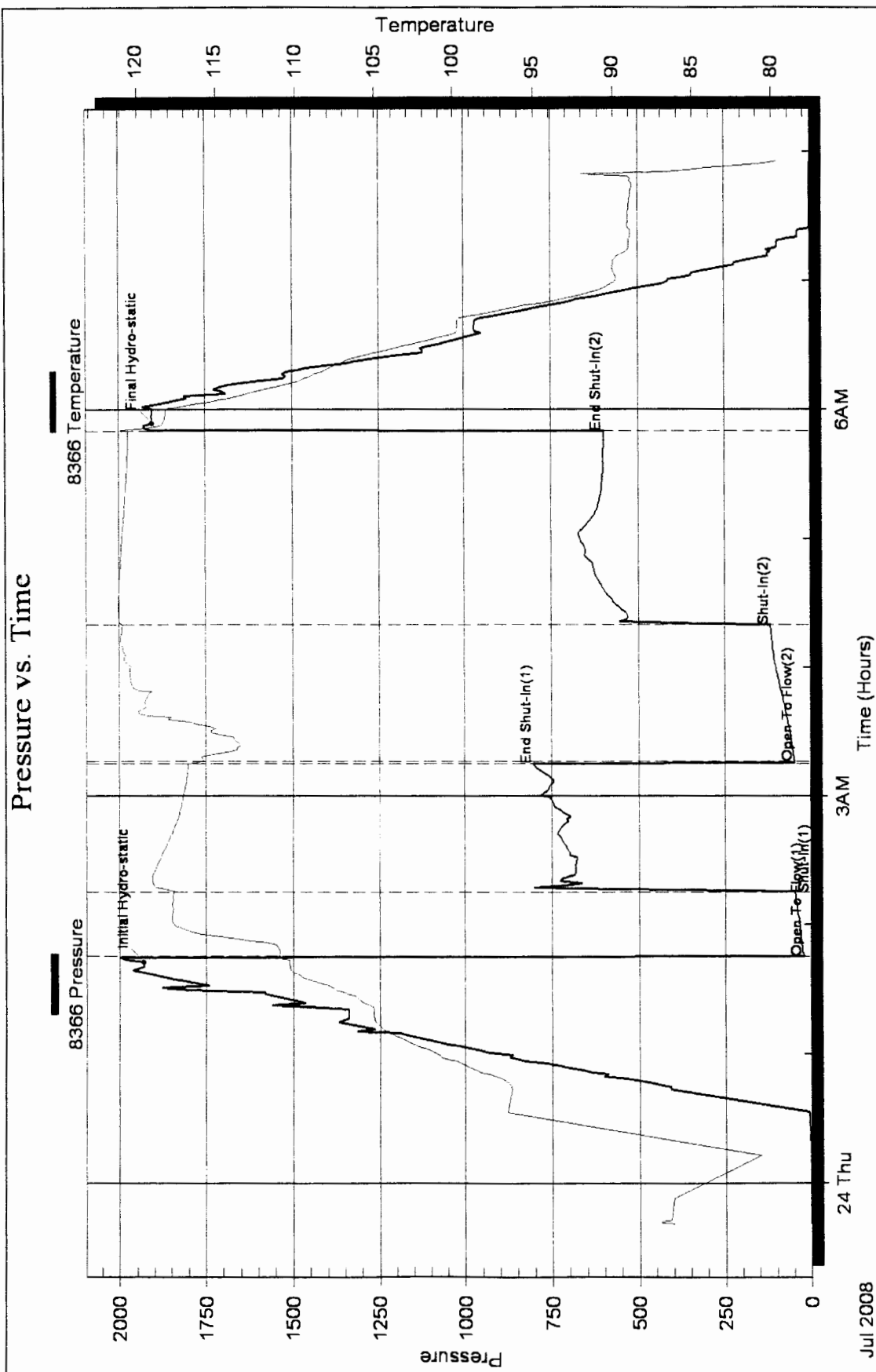
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



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