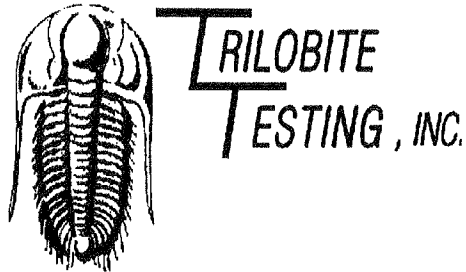


15-033-21545

7-32s-20w

Ind



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company, Inc.**

250 N. Water, Ste 300
Wichita, KS 67202

CONFIDENTIAL
MAY 05 2009
KCC

ATTN: Jeff Christian

7-32s20w Comanche KS

Schweitzer # 2-7

Start Date: 2009.01.14 @ 15:05:34

End Date: 2009.01.14 @ 23:04:04

Job Ticket #: 32981 DST #: 1

KANSAS CORPORATION COMMISSION

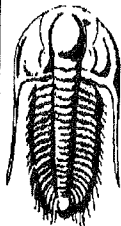
MAY 07 2009

RECEIVED

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 Company, Inc.

250 N. Water, Ste 300
Wichita, KS 67202

ATTN: Jeff Christian

Schweitzer # 2-7

7-32s20w Comanche KS

Job Ticket: 32981

DST#: 1

Test Start: 2009.01.14 @ 15:05:34

GENERAL INFORMATION:

Formation: **Lansing ' L '**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:33:04

Time Test Ended: 23:04:04

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Interval: **4790.00 ft (KB) To 4828.00 ft (KB) (TVD)**

Total Depth: 4828.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1941.00 ft (KB)

1930.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6798 Inside

Press@RunDepth: 50.22 psig @ 4791.00 ft (KB)

Start Date: 2009.01.14

End Date: 2009.01.14

Start Time: 15:05:35

End Time: 23:04:04

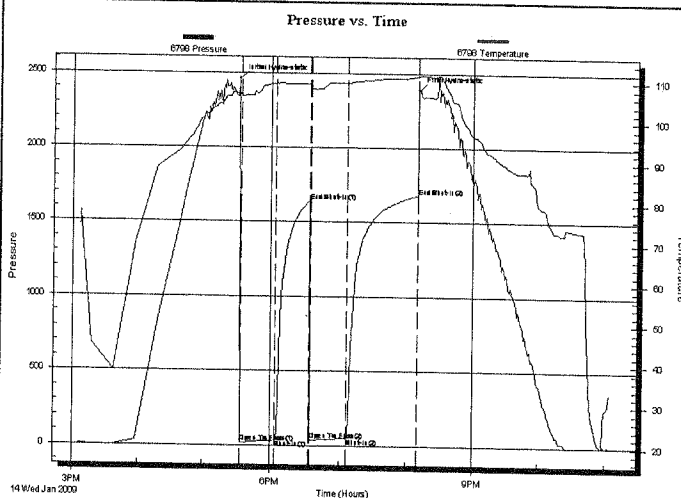
Capacity: 7000.00 psig

Last Calib.: 2009.01.14

Time On Btm: 2009.01.14 @ 17:32:04

Time Off Btm: 2009.01.14 @ 20:10:34

TEST COMMENT: IF: Weak blow . Built to 2".
ISl: No blow .
FF: Weak blow . Built to 1/2".
FSI: No blow .



PRESSURE SUMMARY

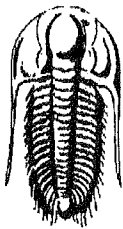
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2462.45	107.11	Initial Hydro-static
1	17.49	106.55	Open To Flow (1)
32	34.15	109.49	Shut-In (1)
61	1636.69	109.28	End Shut-In (1)
62	35.99	108.56	Open To Flow (2)
94	50.22	109.52	Shut-In (2)
158	1681.03	111.25	End Shut-In (2)
159	2390.42	111.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	HWCM 40%w 60%v	0.32
0.00	RW= .372 @ 30 deg.	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 Company, Inc.

Schweitzer # 2-7

250 N. Water, Ste 300
Wichita, KS 67202

7-32s20w Comanche KS

Job Ticket: 32981

DST#: 1

ATTN: Jeff Christian

Test Start: 2009.01.14 @ 15:05:34

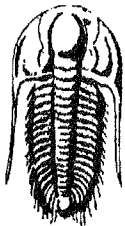
Tool Information

Drill Pipe:	Length: 4628.00 ft	Diameter: 3.80 inches	Volume: 64.92 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 175.00 ft	Diameter: 2.25 inches	Volume: 0.86 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	65.78 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4790.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	58.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4775.00	
Hydraulic tool	5.00			4780.00	
Packer	5.00			4785.00	20.00 Bottom Of Top Packer
Packer	5.00			4790.00	
Stubb	1.00			4791.00	
Recorder	0.00	6798	Inside	4791.00	
Recorder	0.00	8367	Inside	4791.00	
Perforations	34.00			4825.00	
Bullnose	3.00			4828.00	38.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company, Inc.

Schweitzer # 2-7

250 N. Water, Ste 300
Wichita, KS 67202

7-32s20w Comanche KS

Job Ticket: 32981

DST#: 1

ATTN: Jeff Christian

Test Start: 2009.01.14 @ 15:05:34

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 8.77 in³

Resistivity: 0.00 ohm.m

Salinity: 7000.00 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: 47000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	HWCM 40%w 60%m	0.320
0.00	RW= .372 @ 30 deg.	0.000

Total Length: 65.00 ft

Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

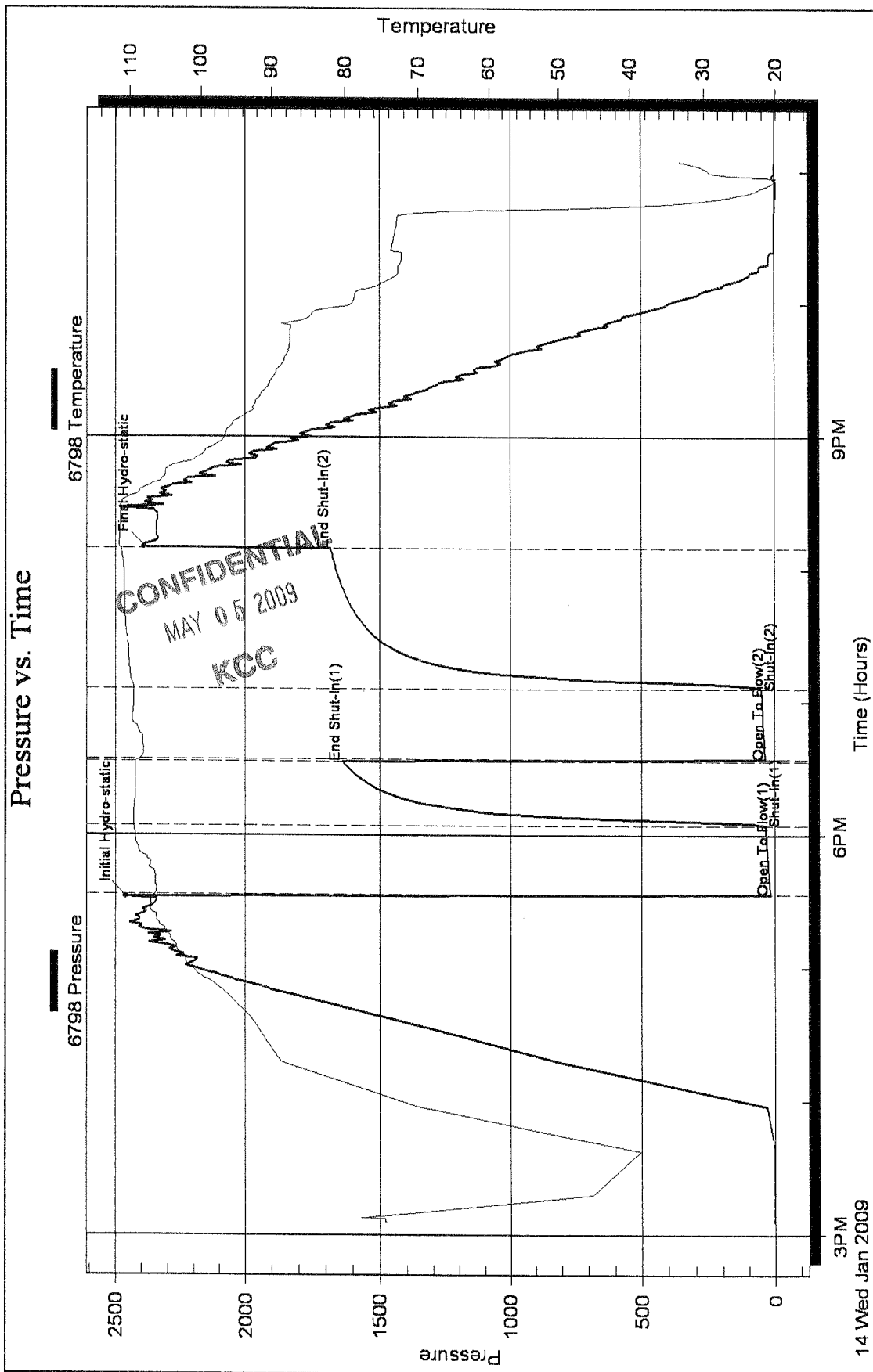
Serial #: none

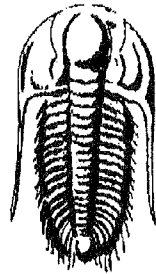
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

CONFIDENTIAL
MAY 05 2009
KCC

Prepared For: **Murfin Drilling Company, Inc.**

250 N. Water, Ste 300
Wichita, KS 67202

ATTN: Jeff Christian

7-32s20w Comanche KS

Schweitzer # 2-7

Start Date: 2009.01.16 @ 02:57:38

End Date: 2009.01.16 @ 12:02:08

Job Ticket #: 32982 DST #: 2

KANSAS CORPORATION COMMISSION

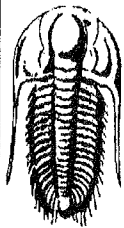
MAY 07 2009

RECEIVED

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 Company, Inc.

250 N. Water, Ste 300
Wichita, KS 67202

ATTN: Jeff Christian

Schweitzer # 2-7

7-32s20w Comanche KS

Job Ticket: 32982

DST#: 2

Test Start: 2009.01.16 @ 02:57:38

GENERAL INFORMATION:

Formation: **Marrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:31:08

Time Test Ended: 12:02:08

Interval: **5127.00 ft (KB) To 5178.00 ft (KB) (TVD)**

Total Depth: 5178.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Reference Elevations: 1941.00 ft (KB)

1930.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press@RunDepth: 52.68 psig @ 5132.00 ft (KB)

Start Date: 2009.01.16

End Date:

2009.01.16

Start Time: 02:57:39

End Time:

12:02:08

Capacity: 7000.00 psig

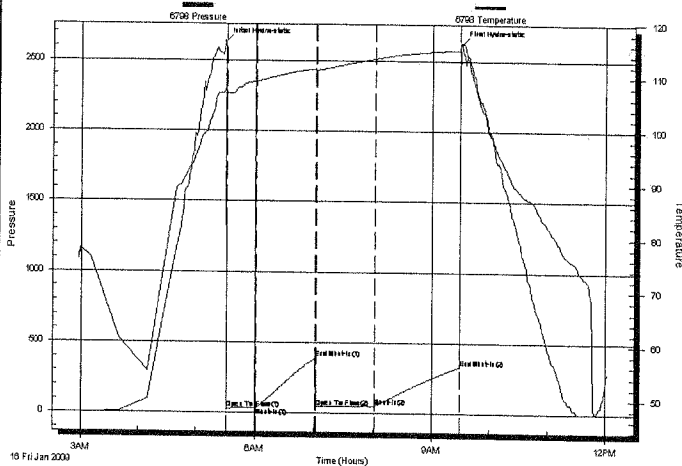
Last Calib.: 2009.01.16

Time On Btm: 2009.01.16 @ 05:29:38

Time Off Btm: 2009.01.16 @ 09:30:38

TEST COMMENT: IF: Weak to fair blow, B.O.B. in 28 mins.
IS: Weak blow. Built to 1/8".
FF: Strong blow. B.O.B. immediately.
FS: No blow.

Pressure vs. Time



PRESSURE SUMMARY

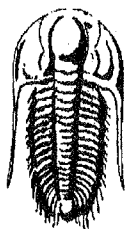
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2628.54	107.69	Initial Hydro-static
2	31.90	107.28	Open To Flow (1)
32	35.77	109.20	Shut-In (1)
92	390.36	111.58	End Shut-In (1)
93	44.06	111.28	Open To Flow (2)
152	52.68	113.47	Shut-In (2)
239	329.93	115.15	End Shut-In (2)
241	2618.60	116.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SGCM w/oil specks 4%g 96%m	0.30
0.00	100' GIP	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 Company, Inc.

250 N. Water, Ste 300
Wichita, KS 67202

ATTN: Jeff Christian

Schweitzer # 2-7

7-32s20w Comanche KS

Job Ticket: 32982

DST#: 2

Test Start: 2009.01.16 @ 02:57:38

Tool Information

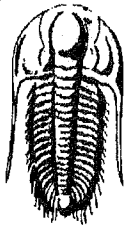
Drill Pipe:	Length: 4943.00 ft	Diameter: 3.80 inches	Volume: 69.34 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 175.00 ft	Diameter: 2.25 inches	Volume: 0.86 bbl	Weight to Pull Loose:	78000.00 lb
		Total Volume:	70.20 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	5127.00 ft			Final	67000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	51.00 ft				
Tool Length:	71.00 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			5112.00	
Hydraulic tool	5.00			5117.00	
Packer	5.00			5122.00	20.00 Bottom Of Top Packer
Packer	5.00			5127.00	
Stubb	1.00			5128.00	
Perforations	3.00			5131.00	
Change Over Sub	1.00			5132.00	
Recorder	0.00	6798	Inside	5132.00	
Recorder	0.00	8367	Inside	5132.00	
Blank Spacing	32.00			5164.00	
Change Over Sub	1.00			5165.00	
Perforations	10.00			5175.00	
Bullnose	3.00			5178.00	51.00 Bottom Packers & Anchor

Total Tool Length: 71.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company, Inc.

Schweitzer # 2-7

250 N. Water, Ste 300
Wichita, KS 67202

7-32s20w Comanche KS

Job Ticket: 32982

DST#: 2

ATTN: Jeff Christian

Test Start: 2009.01.16 @ 02:57:38

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 9.48 in³

Resistivity: 0.00 ohm.m

Salinity: 9000.00 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	SGCM w/oil specks 4%g 96%m	0.295
0.00	100' GIP	0.000

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

