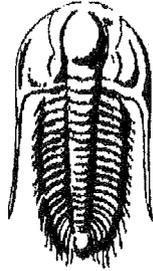


15-185-23556

6-22s-12w

Ind



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

250 N. Water, Ste. 300
Wichita, Kansas 67202

ATTN: Terry McLeod

6-22s-12w Stafford

Sizzler # 1-6

Start Date: 2008.10.27 @ 11:21:25

End Date: 2008.10.27 @ 19:25:25

Job Ticket #: 32926 DST #: 1

**KCC
FEB 19 2009
CONFIDENTIAL**

KANSAS CORPORATION COMMISSION
FEB 23 2009
RECEIVED

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Company, Inc.

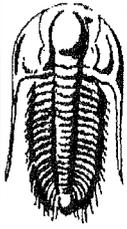
Sizzler # 1-6

6-22s-12w Stafford

DST # 1

Lansing 'A-F'

2008.10.27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company, Inc.

250 N. Water, Ste. 300
Wichita, Kansas 67202

ATTN: Terry McLeod

Sizzler # 1-6

6-22s-12w Stafford

Job Ticket: 32926

DST#: 1

Test Start: 2008.10.27 @ 11:21:25

GENERAL INFORMATION:

Formation: **Lansing ' A-F'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:04:55

Time Test Ended: 19:25:25

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Interval: 3325.00 ft (KB) To 3390.00 ft (KB) (TVD)

Total Depth: 3390.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1886.00 ft (KB)

1875.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press@RunDepth: 107.87 psig @ 3332.00 ft (KB)

Start Date: 2008.10.27

End Date:

2008.10.27

Start Time: 11:21:26

End Time:

19:25:25

Capacity: 7000.00 psig

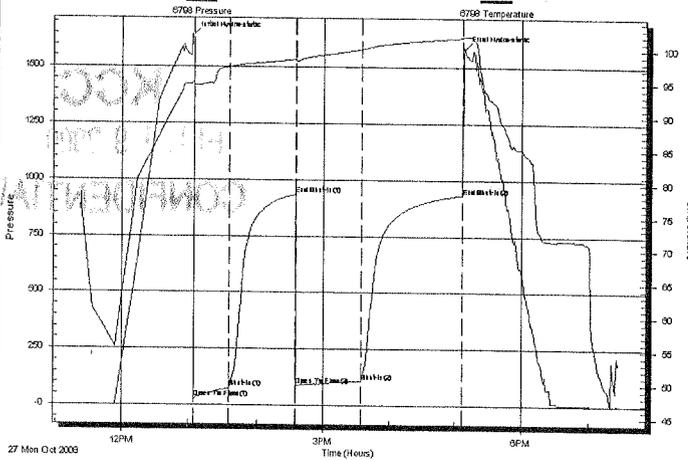
Last Calib.: 2008.10.27

Time On Btm: 2008.10.27 @ 13:03:25

Time Off Btm: 2008.10.27 @ 17:08:25

TEST COMMENT: IF:Weak to fair blow . B.O.B. in 21 mins.
ISl:Weak blow . Built to 1/4"
FF:Weak to fair blow . B.O.B. in 19 mins.
FSl:Weak blow . Built to 1/2".

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.61	94.95	Initial Hydro-static
2	28.98	94.72	Open To Flow (1)
32	74.31	97.38	Shut-In(1)
91	935.29	98.57	End Shut-In(1)
92	87.32	98.28	Open To Flow (2)
151	107.87	100.08	Shut-In(2)
243	932.95	101.85	End Shut-In(2)
245	1582.84	102.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SG&WCM w/ oil scum 10%g 10%w 80%0.00	0.00
60.00	SW&OCgsyMud 45%g 15%o 10%w 30%0.00	0.00
58.00	SOCgsyMud 50%g 10%o 40%m	0.00
35.00	SG&OCM 2%g 3%o 95%m	0.49
0.00	400' GIP	0.00
0.00	RW= .237 @ 54 deg.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company, Inc.

250 N. Water, Ste. 300
Wichita, Kansas 67202

ATTN: Terry McLeod

Sizzler # 1-6

6-22s-12w Stafford

Job Ticket: 32926

DST#: 1

Test Start: 2008.10.27 @ 11:21:25

Tool Information

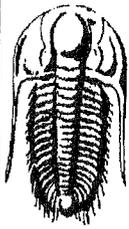
Drill Pipe:	Length: 3143.00 ft	Diameter: 3.80 inches	Volume: 44.09 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 44.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3325.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	88.00 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			3307.00	
Hydraulic tool	5.00			3312.00	
Safety Joint	3.00			3315.00	
Packer	5.00			3320.00	23.00 Bottom Of Top Packer
Packer	5.00			3325.00	
Stubb	1.00			3326.00	
Perforations	5.00			3331.00	
Change Over Sub	1.00			3332.00	
Recorder	0.00	6798	Inside	3332.00	
Recorder	0.00	8358	Inside	3332.00	
Blank Spacing	31.00			3363.00	
Change Over Sub	1.00			3364.00	
Perforations	23.00			3387.00	
Bullnose	3.00			3390.00	65.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company, Inc.

Sizzler # 1-6

250 N. Water, Ste. 300
Wichita, Kansas 67202

6-22s-12w Stafford

Job Ticket: 32926

DST#: 1

ATTN: Terry McLeod

Test Start: 2008.10.27 @ 11:21:25

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 7.18 in³

Resistivity: 0.00 ohm.m

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: 39000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SG&WCM w/ oil scum 10%g 10%w 80%m	0.000
60.00	SW&OCGsyMud 45%g 15%o 10%w 30%m	0.000
58.00	SOCGsyMud 50%g 10%o 40%m	0.000
35.00	SG&OCM 2%g 3%o 95%m	0.491
0.00	400' GIP	0.000
0.00	RW= .237 @ 54 deg.	0.000
0.00		0.000

Total Length: 213.00 ft

Total Volume: 0.491 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

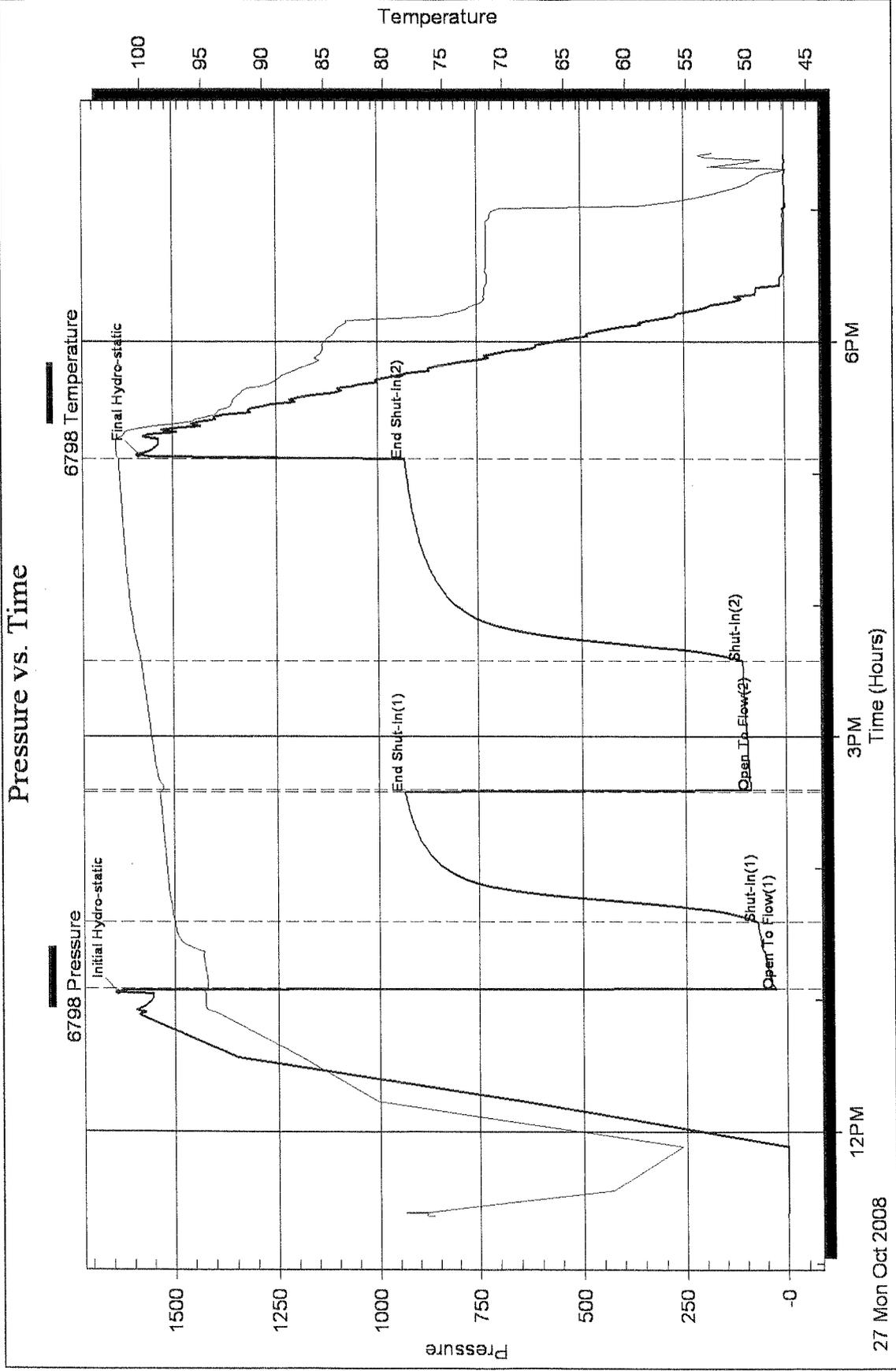
Inside

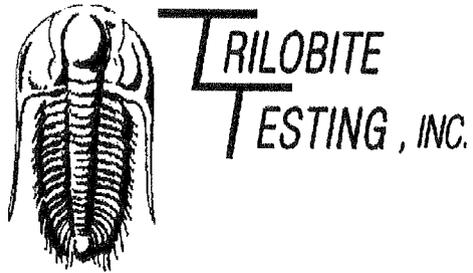
Murfin Drilling Company, Inc.

6-22s-12w Stafford

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

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

250 N. Water, Ste. 300
Wichita, Kansas 67202

ATTN: Terry McLeod

6-22s-12w Stafford

Sizzler # 1-6

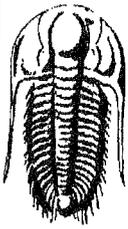
Start Date: 2008.10.28 @ 04:33:47

End Date: 2008.10.28 @ 13:08:17

Job Ticket #: 32927 DST #: 2

KANSAS CORPORATION COMMISSION
FEB 23 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, Kansas 67202

ATTN: Terry McLeod

Sizzler # 1-6

6-22s-12w Stafford

Job Ticket: 32927

DST#: 2

Test Start: 2008.10.28 @ 04:33:47

GENERAL INFORMATION:

Formation: **Lansing ' H-K '**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:52:47

Time Test Ended: 13:08:17

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Interval: **3429.00 ft (KB) To 3520.00 ft (KB) (TVD)**

Total Depth: 3520.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1886.00 ft (KB)

1875.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press@RunDepth: 125.82 psig @ 3436.00 ft (KB)

Start Date: 2008.10.28

End Date:

2008.10.28

Capacity:

7000.00 psig

Start Time: 04:33:48

End Time:

13:08:17

Last Calib.:

2008.10.28

Time On Btm:

2008.10.28 @ 06:51:17

Time Off Btm:

2008.10.28 @ 10:57:17

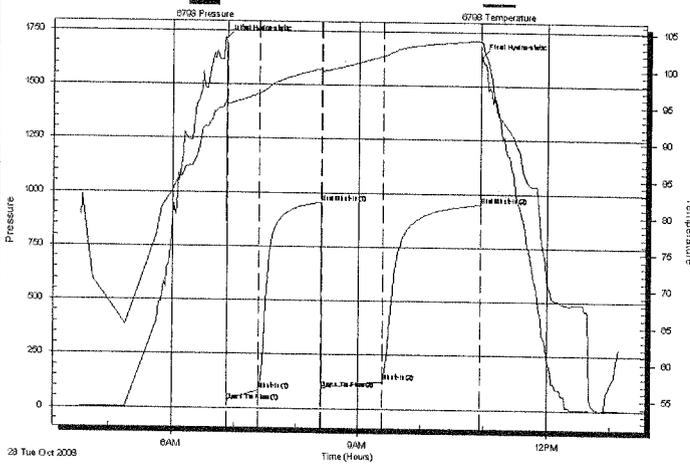
TEST COMMENT: IF:Weak blow . Built to 7 1/2".

IS:No blow .

FF:Weak blow . Built to 9".

FS:No blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1709.90	95.46	Initial Hydro-static
2	30.09	95.16	Open To Flow (1)
33	82.13	96.65	Shut-In (1)
92	955.65	100.06	End Shut-In (1)
93	93.43	99.78	Open To Flow (2)
153	125.82	101.83	Shut-In (2)
245	949.02	104.04	End Shut-In (2)
246	1631.77	103.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCW w/oil scum 75%w 25%m	0.59
58.00	SO&WCM 5%o 5%w 90%m	0.29
40.00	SOCM 5%o 95%m	0.56
0.00	RW= .160 @ 64 deg.	0.00
0.00		0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company, Inc.

Sizzler # 1-6

250 N. Water, Ste. 300
Wichita, Kansas 67202

6-22s-12w Stafford

ATTN: Terry McLeod

Job Ticket: 32927

DST#: 2

Test Start: 2008.10.28 @ 04:33:47

Tool Information

Drill Pipe:	Length: 3233.00 ft	Diameter: 3.80 inches	Volume: 45.35 bbl	Tool Weight: 2400.00 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: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 46.23 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3429.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	114.00 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			3411.00	
Hydraulic tool	5.00			3416.00	
Safety Joint	3.00			3419.00	
Packer	5.00			3424.00	23.00 Bottom Of Top Packer
Packer	5.00			3429.00	
Stubb	1.00			3430.00	
Perforations	5.00			3435.00	
Change Over Sub	1.00			3436.00	
Recorder	0.00	6798	Inside	3436.00	
Recorder	0.00	8358	Inside	3436.00	
Blank Spacing	63.00			3499.00	
Change Over Sub	1.00			3500.00	
Perforations	17.00			3517.00	
Bullnose	3.00			3520.00	91.00 Bottom Packers & Anchor
Total Tool Length:		114.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company, Inc.

Sizzler # 1-6

250 N. Water, Ste. 300
Wichita, Kansas 67202

6-22s-12w Stafford

Job Ticket: 32927

DST#: 2

ATTN: Terry McLeod

Test Start: 2008.10.28 @ 04:33:47

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: 53000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
120.00	MCW w/oil scum 75%w 25%m	0.590
58.00	SO&WCM 5%o 5%w 90%m	0.285
40.00	SOCM 5%o 95%m	0.561
0.00	RW= .160 @ 64 deg.	0.000
0.00		0.000

Total Length: 218.00 ft

Total Volume: 1.436 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

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

250 N. Water, Ste. 300
Wichita, Kansas 67202

ATTN: Terry McLeod

6-22s-12w Stafford

Sizzler # 1-6

Start Date: 2008.10.28 @ 21:03:23

End Date: 2008.10.29 @ 05:10:23

Job Ticket #: 32928 DST #: 3

KANSAS CORPORATION COMMISSION
FEB 23 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, Kansas 67202

ATTN: Terry McLeod

Sizzler # 1-6

6-22s-12w Stafford

Job Ticket: 32928

DST#: 3

Test Start: 2008.10.28 @ 21:03:23

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:05:23

Time Test Ended: 05:10:23

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Interval: **3591.00 ft (KB) To 3666.00 ft (KB) (TVD)**

Total Depth: 3666.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1886.00 ft (KB)

1875.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press@RunDepth: 129.71 psig @ 3598.00 ft (KB)

Start Date: 2008.10.28

End Date:

2008.10.29

Capacity: 7000.00 psig

Last Calib.: 2008.10.29

Start Time: 21:03:24

End Time:

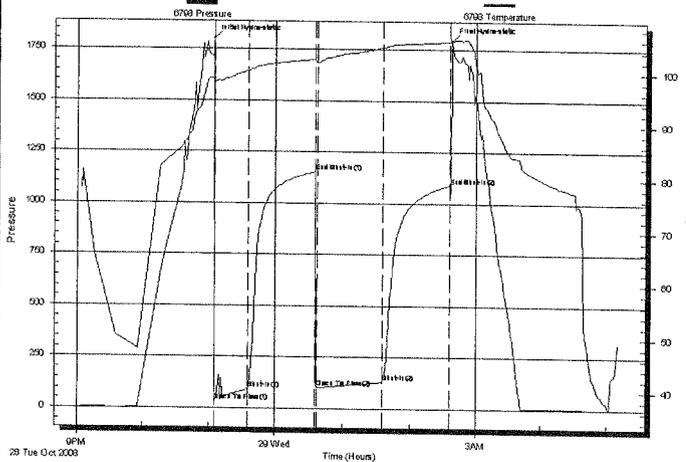
05:10:23

Time On Btm: 2008.10.28 @ 23:04:53

Time Off Btm: 2008.10.29 @ 02:37:53

TEST COMMENT: IF:Weak blow . Built to 10".
IS:Weak surface blow . Dead in 23 mins.
FF:Weak to fair blow . B.O.B. in 36 mins.
FS:Weak blow . Built to 1 1/2".

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1798.24	98.80	Initial Hydro-static
1	32.17	98.27	Open To Flow (1)
31	93.75	100.31	Shut-In(1)
90	1152.03	102.52	End Shut-In(1)
92	102.13	101.89	Open To Flow (2)
151	129.71	104.83	Shut-In(2)
212	1089.80	105.92	End Shut-In(2)
213	1794.37	106.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
178.00	HG&OCM 20%g 15%o 65%m	0.00
78.00	HG&OCM 30%g 18%o 52%m	1.09
0.00	350' GIP	0.00
0.00		0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company, Inc.

Sizzler # 1-6

250 N. Water, Ste. 300
Wichita, Kansas 67202

6-22s-12w Stafford

Job Ticket: 32928

DST#: 3

ATTN: Terry McLeod

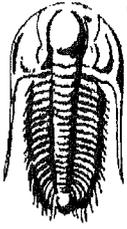
Test Start: 2008.10.28 @ 21:03:23

Tool Information

Drill Pipe:	Length: 3422.00 ft	Diameter: 3.80 inches	Volume: 48.00 bbl	Tool Weight: 2400.00 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: 178.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 48.00 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3591.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	98.00 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			3573.00	
Hydraulic tool	5.00			3578.00	
Safety Joint	3.00			3581.00	
Packer	5.00			3586.00	23.00 Bottom Of Top Packer
Packer	5.00			3591.00	
Stubb	1.00			3592.00	
Perforations	5.00			3597.00	
Change Over Sub	1.00			3598.00	
Recorder	0.00	6798	Inside	3598.00	
Recorder	0.00	8358	Inside	3598.00	
Blank Spacing	32.00			3630.00	
Change Over Sub	1.00			3631.00	
Perforations	32.00			3663.00	
Bullnose	3.00			3666.00	75.00 Bottom Packers & Anchor
Total Tool Length:	98.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company, Inc.

Sizzler # 1-6

250 N. Water, Ste. 300
Wichita, Kansas 67202

6-22s-12w Stafford

Job Ticket: 32928

DST#: 3

ATTN: Terry McLeod

Test Start: 2008.10.28 @ 21:03:23

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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.38 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
178.00	HG&OCM 20%g 15%o 65%m	0.000
78.00	HG&OCM 30%g 18%o 52%m	1.094
0.00	350' GIP	0.000
0.00		0.000

Total Length: 256.00 ft Total Volume: 1.094 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

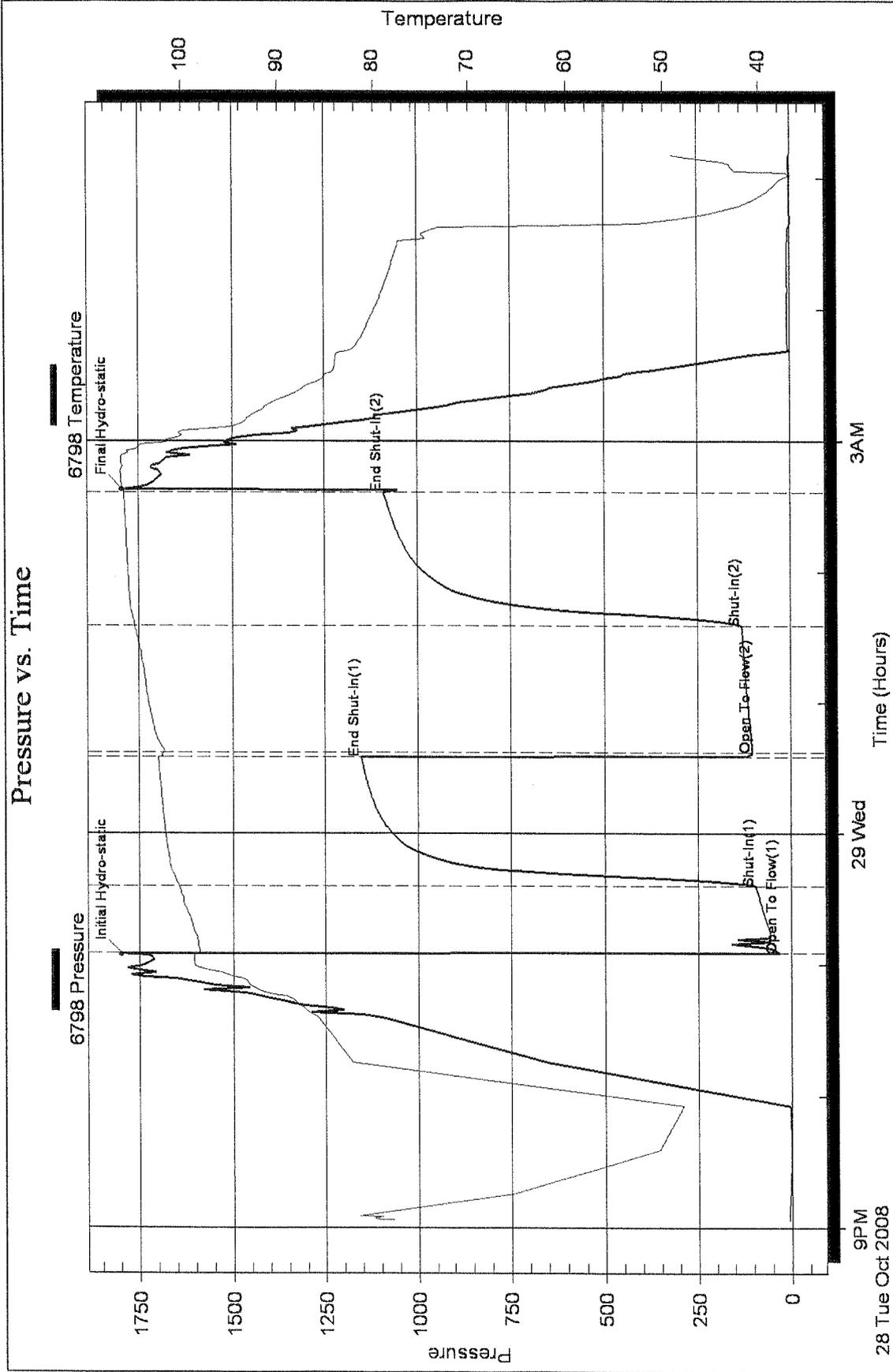
Inside

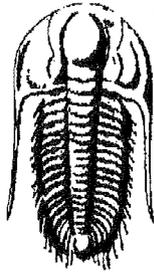
Murfin Drilling Company, Inc.

6-22s-12w Stafford

DST Test Number: 3

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

250 N. Water, Ste. 300
Wichita, Kansas 67202

ATTN: Terry McLeod

6-22s-12w Stafford

Sizzler # 1-6

Start Date: 2008.10.29 @ 11:13:51

End Date: 2008.10.29 @ 20:11:51

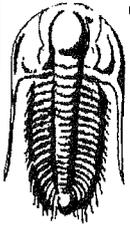
Job Ticket #: 32929 DST #: 4

KANSAS CORPORATION COMMISSION
FEB 23 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, Kansas 67202

ATTN: Terry McLeod

Sizzler # 1-6

6-22s-12w Stafford

Job Ticket: 32929

DST#: 4

Test Start: 2008.10.29 @ 11:13:51

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:54:51
 Time Test Ended: 20:11:51

Test Type: Conventional Bottom Hole
 Tester: Jerry Adams
 Unit No: 45

Interval: **3665.00 ft (KB) To 3678.00 ft (KB) (TVD)**
 Total Depth: 3678.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

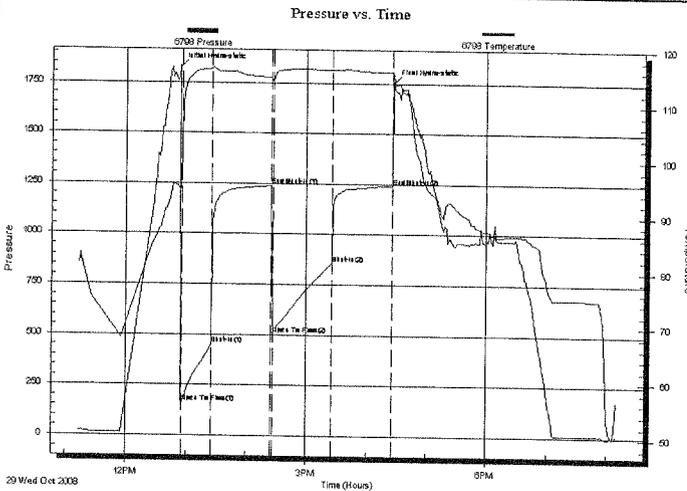
Reference Elevations: 1886.00 ft (KB)
 1875.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6798 Inside

Press@RunDepth: 854.52 psig @ 3666.00 ft (KB)
 Start Date: 2008.10.29 End Date: 2008.10.29
 Start Time: 11:13:52 End Time: 20:11:51

Capacity: 7000.00 psig
 Last Calib.: 2008.10.29
 Time On Btm: 2008.10.29 @ 12:53:21
 Time Off Btm: 2008.10.29 @ 16:26:51

TEST COMMENT: IF: Strong blow BOB in 1 1/2 mins
 IS: Fair blow BOB in 35 mins
 FF: Strong blow BOB in 1 1/2 mins
 FS: Fair blow BOB in 28 mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1824.71	94.83	Initial Hydro-static
2	161.86	103.71	Open To Flow (1)
31	450.86	116.53	Shut-In (1)
91	1239.50	115.02	End Shut-In (1)
93	504.03	114.36	Open To Flow (2)
152	854.52	116.43	Shut-In (2)
213	1241.30	116.08	End Shut-In (2)
214	1751.05	115.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
538.00	SMCW 90%w 10%m	5.93
210.00	SMCOily Water 40%o 55%w 5%m	2.95
250.00	SMCGsy Watery Oil 50%g 25%o 20%w	3.51
320.00	SGW&MCO 5%g 72%o 15%w 8%m	4.49
315.00	Clean Gsy Oil 15%g 85%o	4.42
0.00	1463' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company, Inc.

Sizzler # 1-6

250 N. Water, Ste. 300
Wichita, Kansas 67202

6-22s-12w Stafford

Job Ticket: 32929

DST#: 4

ATTN: Terry McLeod

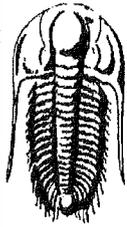
Test Start: 2008.10.29 @ 11:13:51

Tool Information

Drill Pipe:	Length: 3485.00 ft	Diameter: 3.80 inches	Volume: 48.89 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: 25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 49.77 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3665.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	36.00 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			3647.00	
Hydraulic tool	5.00			3652.00	
Safety Joint	3.00			3655.00	
Packer	5.00			3660.00	23.00 Bottom Of Top Packer
Packer	5.00			3665.00	
Stubb	1.00			3666.00	
Recorder	0.00	6798	Inside	3666.00	
Recorder	0.00	8358	Inside	3666.00	
Perforations	9.00			3675.00	
Bullnose	3.00			3678.00	13.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company, Inc.

Sizzler # 1-6

250 N. Water, Ste. 300
Wichita, Kansas 67202

6-22s-12w Stafford

Job Ticket: 32929

DST#: 4

ATTN: Terry McLeod

Test Start: 2008.10.29 @ 11:13:51

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

28000 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7600.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
538.00	SMCW 90%w 10%rn	5.925
210.00	SMCOily Water 40%o 55%w 5%rn	2.946
250.00	SMCGsy Watery Oil 50%g 25%o 20%w 5%rn	3.507
320.00	SGW&MCO 5%g 72%o 15%w 8%rn	4.489
315.00	Clean Gsy Oil 15%g 85%o	4.419
0.00	1463' GIP	0.000
0.00	Grav.= 39 API @ 70 deg.	0.000
0.00	RW= .283 @ 61 deg.	0.000

Total Length: 1633.00 ft Total Volume: 21.286 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

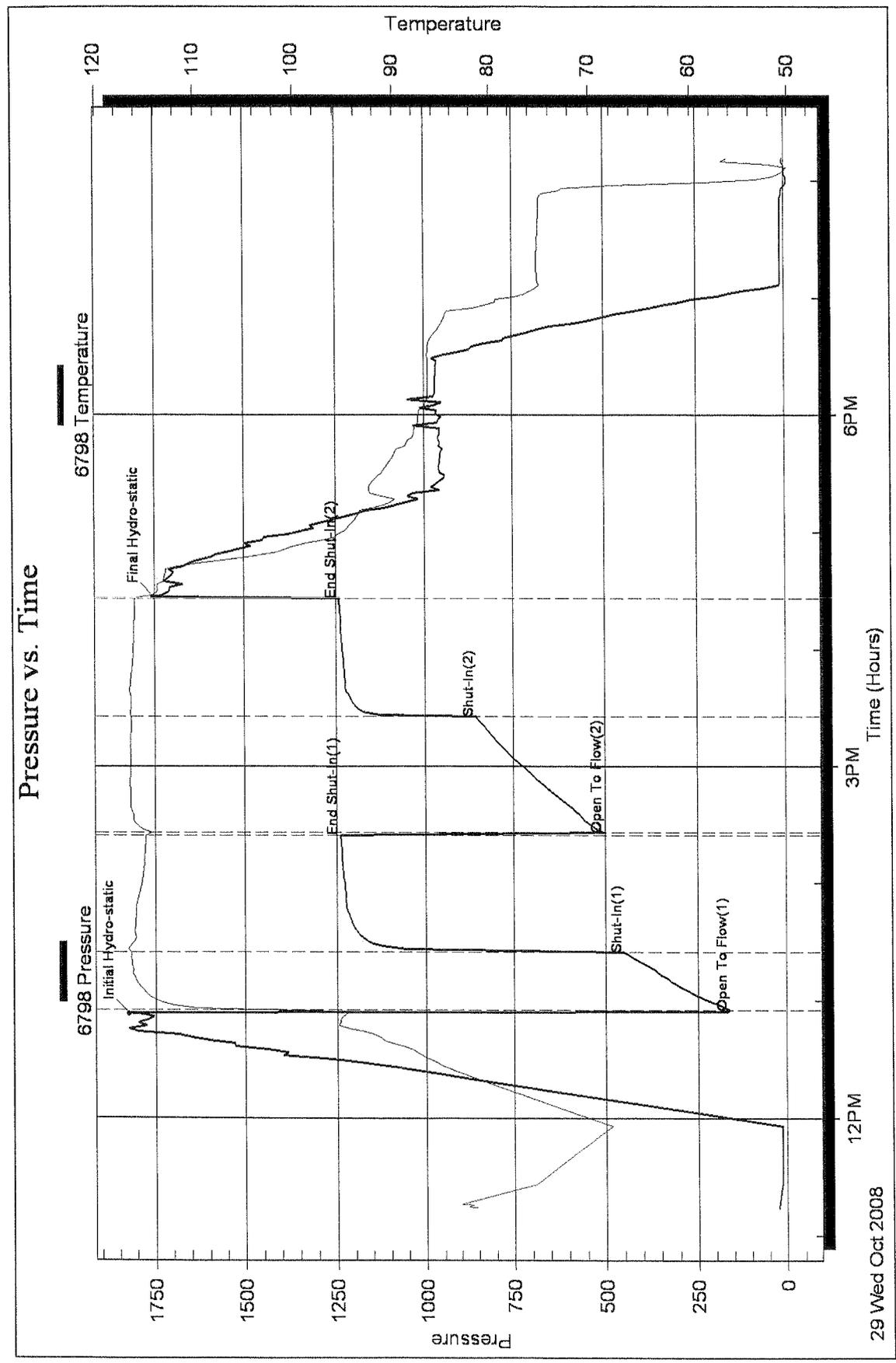
Serial #: none

Laboratory Name:

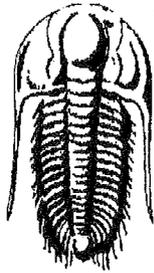
Laboratory Location:

Recovery Comments:

Pressure vs. Time



29 Wed Oct 2008



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

250 N. Water, Ste. 300
Wichita, Kansas 67202

ATTN: Terry McLeod

6-22s-12w Stafford

Sizzler # 1-6

Start Date: 2008.10.30 @ 02:22:32

End Date: 2008.10.30 @ 10:05:02

Job Ticket #: 32930 DST #: 5

KANSAS CORPORATION COMMISSION

FEB 23 2009

REC-111

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, Kansas 67202

ATTN: Terry McLeod

Sizzler # 1-6

6-22s-12w Stafford

Job Ticket: 32930

DST#: 5

Test Start: 2008.10.30 @ 02:22:32

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:09:32
 Time Test Ended: 10:05:02

Test Type: Conventional Bottom Hole
 Tester: Jerry Adams
 Unit No: 45

Interval: **3683.00 ft (KB) To 3695.00 ft (KB) (TVD)**
 Total Depth: 3695.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1886.00 ft (KB)
 1875.00 ft (CF)
 KB to GR/CF: 11.00 ft

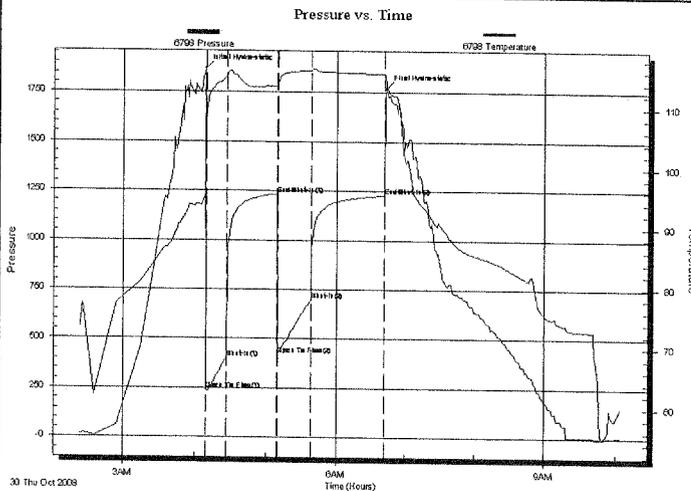
Serial #: 6798

Inside

Press@RunDepth: 399.15 psig @ 3684.00 ft (KB)
 Start Date: 2008.10.30 End Date: 2008.10.30
 Start Time: 02:22:33 End Time: 10:05:02

Capacity: 7000.00 psig
 Last Calib.: 2008.10.30
 Time On Btm: 2008.10.30 @ 04:08:32
 Time Off Btm: 2008.10.30 @ 06:43:32

TEST COMMENT: IF: Strong blow . BOB in 1 min.
 IS: Weak blow . Built to 6".
 FF: Strong blow . BOB in 1 1/2 mins.
 FS: Weak blow . Built to 6 1/2".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1868.40	95.51	Initial Hydro-static
1	240.77	109.33	Open To Flow (1)
18	399.15	114.95	Shut-In(1)
61	1233.27	113.66	End Shut-In(1)
62	421.89	114.01	Open To Flow (2)
90	694.88	116.25	Shut-In(2)
154	1224.57	115.66	End Shut-In(2)
155	1770.12	113.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
718.00	SMCW 95%w 5%m	8.45
660.00	VSO&MCW 3%o 95%w 2%m	9.26
110.00	SOCM 10%o 90%m	1.54
0.00	50' GIP	0.00
0.00	RW= .309 @ 52 deg.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company, Inc.

Sizzler # 1-6

250 N. Water, Ste. 300
Wichita, Kansas 67202

6-22s-12w Stafford

ATTN: Terry McLeod

Job Ticket: 32930

DST#: 5

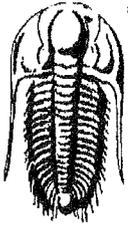
Test Start: 2008.10.30 @ 02:22:32

Tool Information

Drill Pipe:	Length: 3486.00 ft	Diameter: 3.80 inches	Volume: 48.90 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: 25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 49.78 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3683.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	35.00 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			3665.00	
Hydraulic tool	5.00			3670.00	
Safety Joint	3.00			3673.00	
Packer	5.00			3678.00	23.00 Bottom Of Top Packer
Packer	5.00			3683.00	
Stubb	1.00			3684.00	
Recorder	0.00	6798	Inside	3684.00	
Recorder	0.00	8358	Inside	3684.00	
Perforations	8.00			3692.00	
Bullnose	3.00			3695.00	12.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company, Inc.

Sizzler # 1-6

250 N. Water, Ste. 300
Wichita, Kansas 67202

6-22s-12w Stafford

Job Ticket: 32930

DST#: 5

ATTN: Terry McLeod

Test Start: 2008.10.30 @ 02:22:32

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:

32000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7600.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
718.00	SMCW 95%w 5%m	8.450
660.00	VSO&MCW 3%o 95%w 2%m	9.258
110.00	SOCM 10%o 90%m	1.543
0.00	50' GIP	0.000
0.00	RW= .309 @ 52 deg.	0.000

Total Length: 1488.00 ft

Total Volume: 19.251 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

Inside

Murfin Drilling Company, Inc.

6-22s-12w Stafford

DST Test Number: 5

