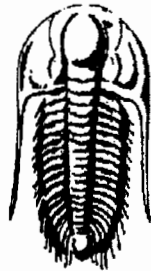


15-039-20941

17-5s-29w



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc**

250 N Water Ste 300
Wichita KS. 67202

ATTN: Dan Blankenau

17-5S-29W Decatur

Rodney #1-17

Start Date: 2005.08.10 @ 20:45:50

End Date: 2005.08.11 @ 04:08:50

Job Ticket #: 21319

DST #: 1

KCC

21 2005

CONFIDENTIAL

Trilobite Testing, Inc

PO Box 362 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: Dan Blankenau

Rodney #1-17

17-5S-29W Decatur

Job Ticket: 21319

DST#: 1

Test Start: 2005.08.10 @ 20:45:50

GENERAL INFORMATION:

Formation: **Toronto/L-KC "A-B"**

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

Time Tool Opened: 22:21:35

Time Test Ended: 04:08:50

Test Type: **Conventional Bottom Hole**

Tester: **Rod Steinbrink**

Unit No: **22**

Interval: **3792.00 ft (KB) To 3875.00 ft (KB) (TVD)**

Total Depth: **3875.00 ft (KB) (TVD)**

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

Reference Elevations: **2745.00 ft (KB)**

2740.00 ft (CF)

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

Serial #: 8017

Inside

Press@RunDepth: **54.56 psig @ 3793.00 ft (KB)**

Start Date: **2005.08.10**

End Date: **2005.08.11**

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **20:45:53**

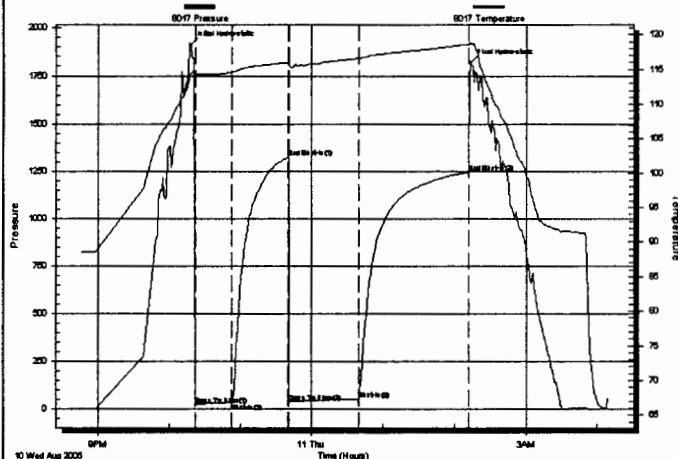
End Time: **04:08:50**

Time On Btm: **2005.08.10 @ 22:17:50**

Time Off Btm: **2005.08.11 @ 02:13:05**

TEST COMMENT: **IF; Weak 1/2" blow steady thru**
FF; No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1911.92	114.29	Initial Hydro-static
4	23.34	114.00	Open To Flow (1)
35	34.77	114.59	Shut-In(1)
83	1324.34	116.00	End Shut-In(1)
83	38.44	115.58	Open To Flow (2)
142	54.56	116.58	Shut-In(2)
235	1245.61	118.62	End Shut-In(2)
236	1818.50	118.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Drig. Mud	0.30

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

Rodney #1-17

250 N Water Ste 300
Wichita KS. 67202

17-5S-29W Decatur

Job Ticket: 21319

DST#: 1

ATTN: Dan Blankenau

Test Start: 2005.08.10 @ 20:45:50

Tool Information

Drill Pipe:	Length: 3238.00 ft	Diameter: 3.80 inches	Volume: 45.42 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: 550.00 ft	Diameter: 2.25 inches	Volume: 2.70 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	48.12 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3792.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	109.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

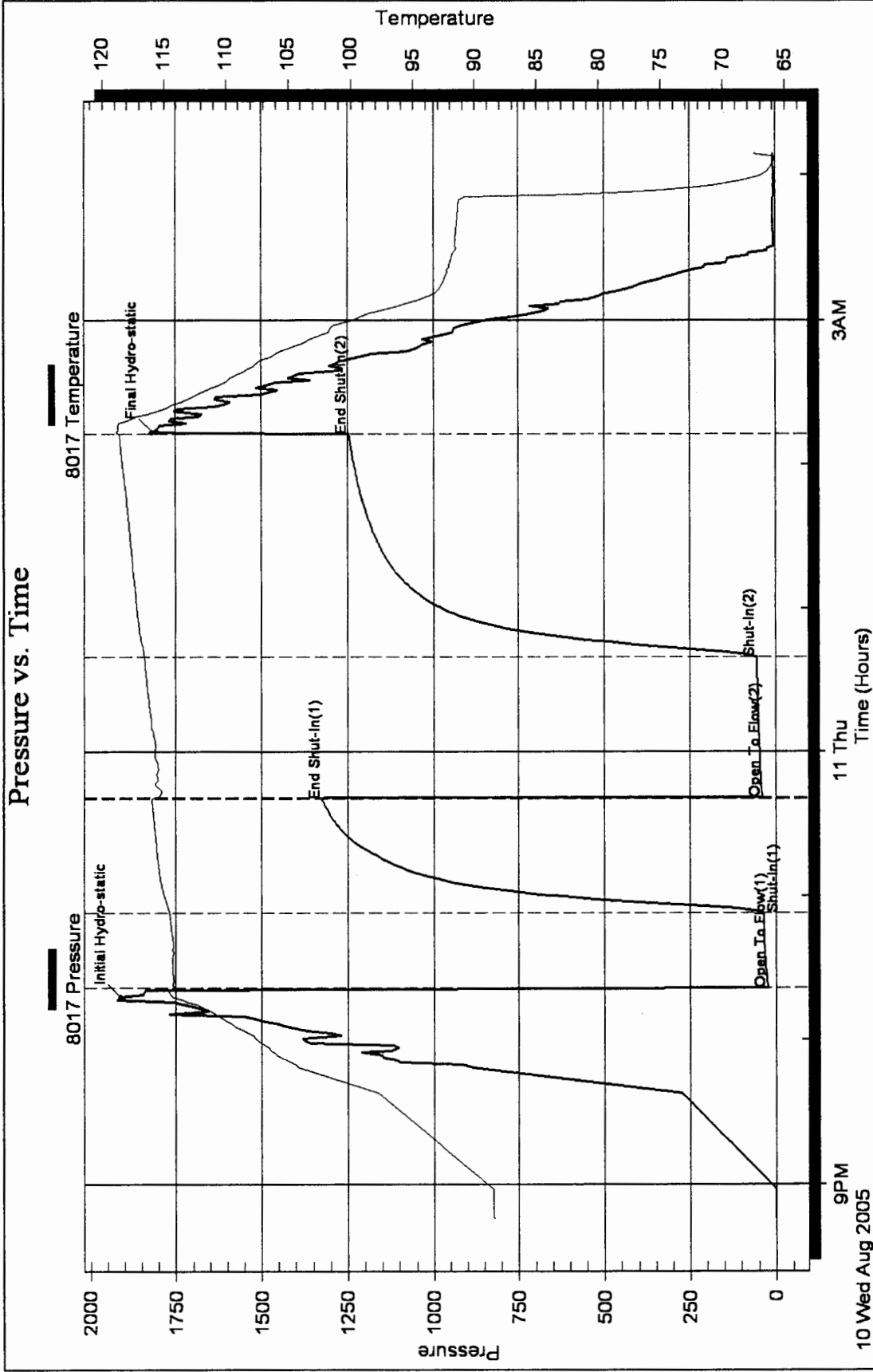
Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3771.00	
Hydraulic tool	5.00			3776.00	
Jars	5.00			3781.00	
Safety Joint	2.00			3783.00	
Packer	5.00			3788.00	26.00 Bottom Of Top Packer
Packer	4.00			3792.00	
Stubb	1.00			3793.00	
Recorder	0.00	8017	Inside	3793.00	
Perforations	13.00			3806.00	
Change Over Sub	1.00			3807.00	
Anchor	62.00			3869.00	
Change Over Sub	1.00			3870.00	
Recorder	0.00	13309	Outside	3870.00	
Bullnose	5.00			3875.00	83.00 Bottom Packers & Anchor

Total Tool Length: 109.00

Pressure vs. Time





TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Company Inc

250 N Water Ste 300
Wichita KS. 67202

ATTN: Dan Blankenau

Rodney #1-17

17-5S-29W Decatur

Job Ticket: 21321

DST#: 3

Test Start: 2005.08.12 @ 09:21:22

GENERAL INFORMATION:

Formation: L/KC "G - J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:52:52

Time Test Ended: 16:44:37

Test Type: Conventional Bottom Hole

Tester: Rod Steinbrink

Unit No: 22

Interval: 3916.00 ft (KB) To 4025.00 ft (KB) (TVD)

Total Depth: 4025.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2745.00 ft (KB)

2740.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8017 Inside

Press@RunDepth: 132.51 psig @ 3917.00 ft (KB)

Start Date: 2005.08.12

End Date: 2005.08.12

Start Time: 09:21:25

End Time: 16:44:37

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2005.08.12 @ 10:46:37

Time Off Btm: 2005.08.12 @ 14:59:52

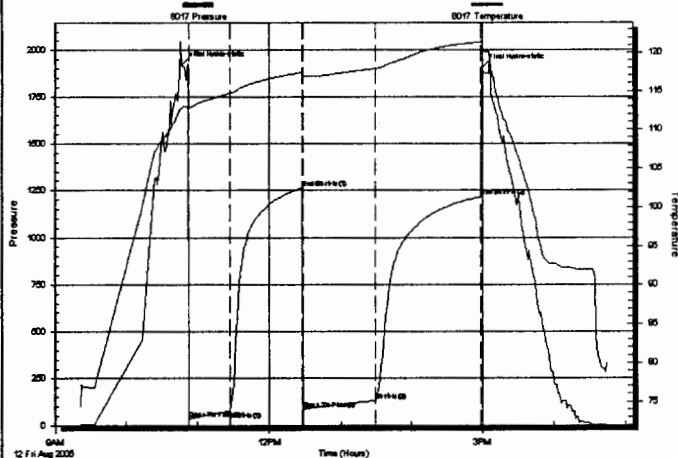
TEST COMMENT: IF; Weak blow built to 2"

IS; No blow

FF; Steady surface blow throughout

FS; No blow

Pressure vs. Time



PRESSURE SUMMARY

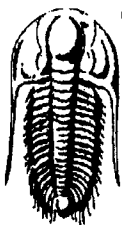
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1919.45	112.79	Initial Hydro-static
7	32.20	112.76	Open To Flow (1)
41	76.67	114.68	Shut-In(1)
101	1261.70	117.41	End Shut-In(1)
102	85.97	117.07	Open To Flow (2)
163	132.51	117.88	Shut-In(2)
252	1214.94	121.37	End Shut-In(2)
254	1906.73	120.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Free Oil	0.00
179.00	SGOCM 10%g 10%o 80%w	0.88
60.00	OWCM 5%o 45%w 50%w	0.30

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

Rodney #1-17

250 N Water Ste 300
Wichita KS. 67202

17-5S-29W Decatur

Job Ticket: 21321

DST#: 3

ATTN: Dan Blankenau

Test Start: 2005.08.12 @ 09:21:22

Tool Information

Drill Pipe:	Length: 3364.00 ft	Diameter: 3.80 inches	Volume: 47.19 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: 550.00 ft	Diameter: 2.25 inches	Volume: 2.70 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	49.89 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3916.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	109.00 ft			
Tool Length:	135.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3895.00	
Hydraulic tool	5.00			3900.00	
Jars	5.00			3905.00	
Safety Joint	2.00			3907.00	
Packer	5.00			3912.00	26.00 Bottom Of Top Packer
Packer	4.00			3916.00	
Stubb	1.00			3917.00	
Recorder	0.00	8017	Inside	3917.00	
Perforations	8.00			3925.00	
Change Over Sub	1.00			3926.00	
Anchor	93.00			4019.00	
Change Over Sub	1.00			4020.00	
Recorder	0.00	13309	Outside	4020.00	
Bullnose	5.00			4025.00	109.00 Bottom Packers & Anchor

Total Tool Length: 135.00

Pressure vs. Time

