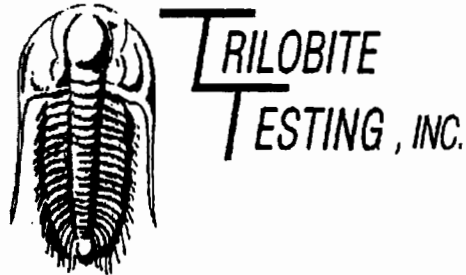


15-035-24272

7-335-8E

07-335-08E
NE SW NE NE



DRILL STEM TEST REPORT

Prepared For: **Mid Continent Corporation**

105 S Broadway 360
Wichita KS 67262

ATTN: Ben Landes

7 33 8E Cowley KS

Fulsom #/

Start Date: 2007.08.06 @ 14:26:36

End Date: 2007.08.06 @ 22:09:36

Job Ticket #: 27158 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 25 2008

CONSERVATION DIVISION
WICHITA, KS

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

Printed: 2007.08.15 @ 09:56:21 Page 1

Mid Continent Corporation

Fulsom #/

7 33 8E Cowley KS

DST # 1

Pawnee/Ft. Scott

2007.08.06



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Mid Continent Corporation

105 S Broadway 360
Wichita KS 67262

ATTN: Ben Landes

Fulsom

7 33 8 Cowley KS

Job Ticket: 27158

DST#: 1

Test Start: 2007.08.06 @ 14:26:36

GENERAL INFORMATION:

Formation: **Pawnee/Ft.Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:58:36

Time Test Ended: 22:09:36

Test Type: Conventional Bottom Hole

Tester: Delton Brown

Unit No: 28

Interval: 2205.00 ft (KB) To 2266.00 ft (KB) (TVD)

Total Depth: 2266.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 1095.00 ft (KB)

1085.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6625

Inside

Press@RunDepth: 68.94 psig @ 2206.00 ft (KB)

Start Date: 2007.08.06

End Date:

2007.08.06

Start Time: 14:26:37

End Time:

22:09:36

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2007.08.06 @ 15:48:36

Time Off Btm: 2007.08.06 @ 19:55:21

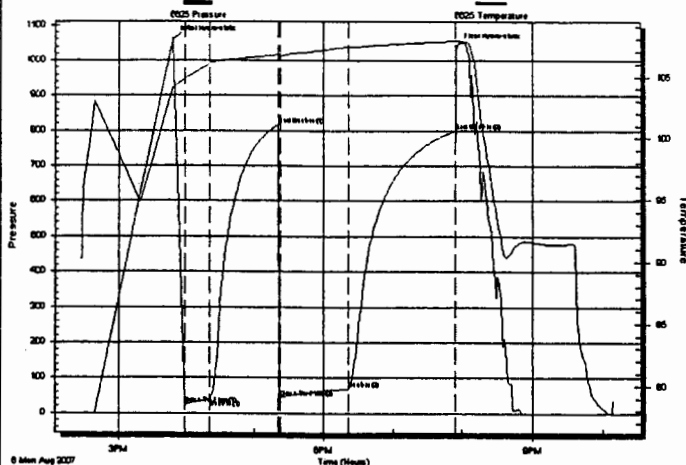
TEST COMMENT: IF Med. blow 1 1/2 " in to bucket

ISI No return blow

FF Weak blow 1 " in to bucket

FSI No return blow

Pressure vs. Time



PRESSURE SUMMARY

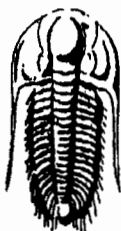
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1058.40	104.11	Initial Hydro-static
10	24.11	104.83	Open To Flow (1)
33	38.60	106.07	Shut-In (1)
92	816.24	106.74	End Shut-In (1)
94	43.80	106.61	Open To Flow (2)
153	68.94	107.39	Shut-In (2)
246	799.26	107.85	End Shut-In (2)
247	1039.36	107.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	100%M	0.30
62.00	100%M	0.30

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mid Continent Corporation

Fulsom

105 S Broadway 360
Wichita KS 67262

7 33 8 Cowley KS

Job Ticket: 27158

DST#: 1

ATTN: Ben Landes

Test Start: 2007.08.06 @ 14:26:36

Tool Information

Drill Pipe: Length: 1848.00 ft Diameter: 3.80 inches Volume: 25.92 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl
Drill Collar: Length: 339.00 ft Diameter: 2.25 inches Volume: 1.67 bbl
Total Volume: 27.59 bbl

Drill Pipe Above KB: 9.00 ft

Depth to Top Packer: 2205.00 ft

Depth to Bottom Packer: ft

Interval between Packers: 61.00 ft

Tool Length: 88.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Weight: 2000.00 lb

Weight set on Packer: 20000.00 lb

Weight to Pull Loose: 50000.00 lb

Tool Chased 0.00 ft

String Weight: Initial 46000.00 lb

Final 48000.00 lb

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2179.00	
Shut In Tool	5.00			2184.00	
Hydraulic tool	5.00			2189.00	
Jars	5.00			2194.00	
Safety Joint	2.00			2196.00	
Packer	5.00			2201.00	27.00 Bottom Of Top Packer
Packer	4.00			2205.00	
Subb	1.00			2206.00	
Recorder	0.00	6625	Inside	2206.00	
Change Over Sub	1.00			2207.00	
Drill Pipe	32.00			2239.00	
Change Over Sub	1.00			2240.00	
Perforations	23.00			2263.00	
Recorder	0.00	13761	Inside	2263.00	
Bullnose	3.00			2266.00	61.00 Bottom Packers & Anchor

Total Tool Length: 88.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mid Continent Corporation

Fulsom

105 S Broadway 360
Wichita KS 67262

7 33 8 Cowley KS

Job Ticket: 27158

DST#: 1

ATTN: Ben Landes

Test Start: 2007.08.06 @ 14:26:36

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 36.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	100%M	0.305
62.00	100%M	0.305

Total Length: 124.00 ft Total Volume: 0.610 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=1.680@91F=2700ppm

Serial # 6625

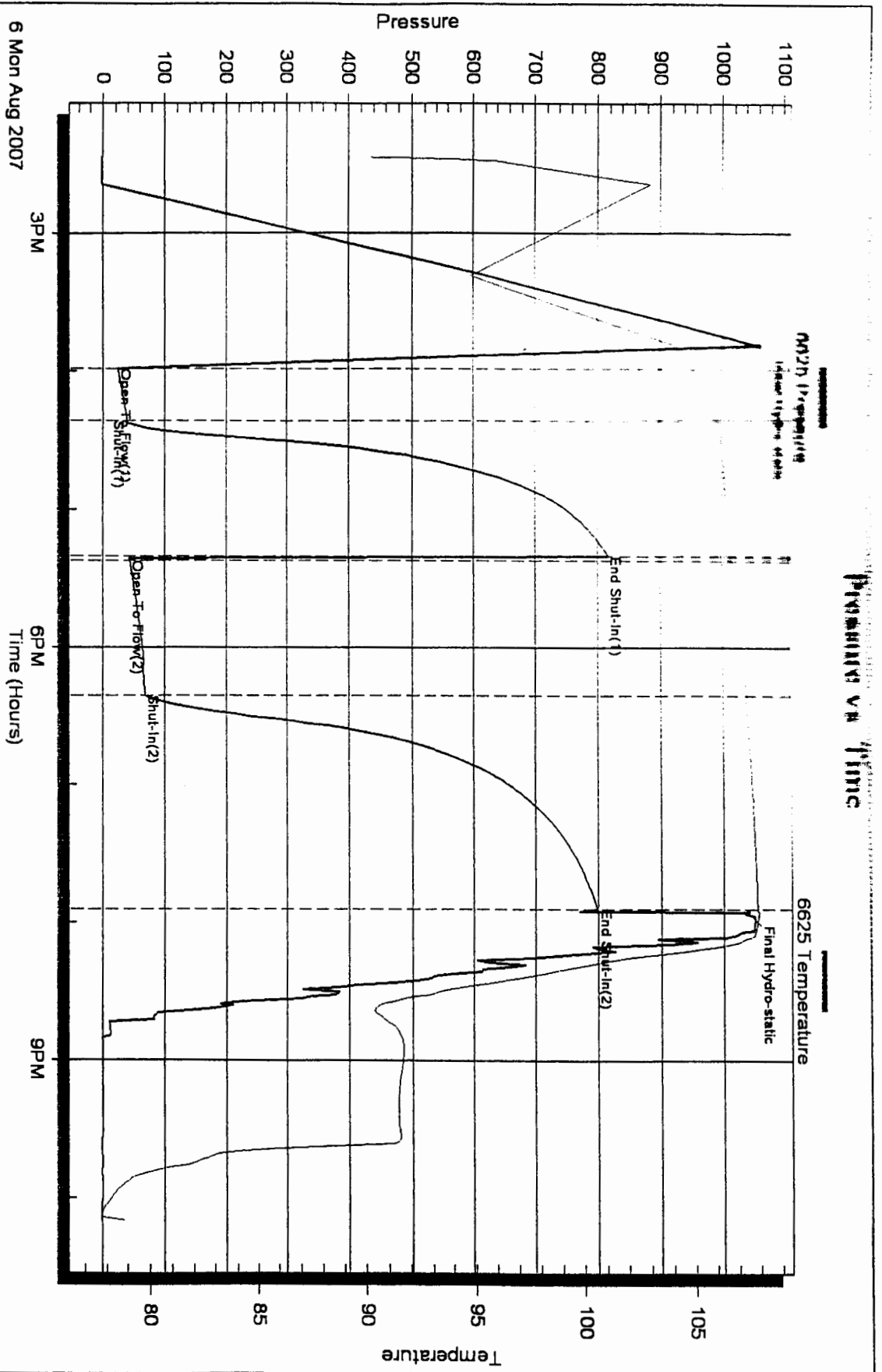
Model

Model (continued)

Test Date

DST Test Number: 1

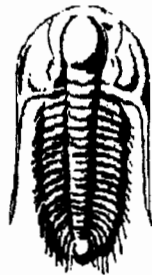
Pressure vs Time



Trilobite Testing, Inc

Ref. No: 27158

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mid Continent Corp.**

105 S. Broadway 360
Wichita Ks, 67262

ATTN: Ben Landes

7/33s/8e

Fulsom #1

Start Date: 2007.08.07 @ 17:41:32

End Date: 2007.08.08 @ 05:17:02

Job Ticket #: 27159 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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KANSAS CORPORATION COMMISSION

JUN 25 2008

CONSERVATION DIVISION
WICHITA, KS

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Mid Continent Corp.

Fulsom

7/33s/8e

DST # 2

Miss.

2007.08.07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mid Continent Corp.

Fulsom

105 S. Broadway 360
Wichita Ks, 67262

7/33a/8e

Job Ticket: 27159

DST#: 2

ATTN: Ben Landes

Test Start: 2007.08.07 @ 17:41:32

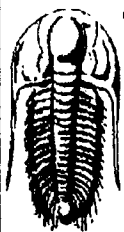
Tool Information

Drill Pipe:	Length: 2262.00 ft	Diameter: 3.80 inches	Volume: 31.73 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 339.00 ft	Diameter: 2.25 inches	Volume: 1.67 bbl	Weight to Pull Loose:	54000.00 lb
		Total Volume:	33.40 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	2600.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	11.00 ft				
Tool Length:	38.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2574.00	
Shut In Tool	5.00			2579.00	
Hydraulic tool	5.00			2584.00	
Jars	5.00			2589.00	
Safety Joint	2.00			2591.00	
Packer	5.00		Fluid	2596.00	27.00 Bottom Of Top Packer
Packer	4.00			2600.00	
Stubb	1.00			2601.00	
Recorder	0.00	6625	Inside	2601.00	
Perforations	7.00			2608.00	
Recorder	0.00	13761	Inside	2608.00	
Bullnose	3.00			2611.00	11.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mid Continent Corp.

Fulsom

105 S. Broadway 360
Wichita Ks, 67262

7/33s/8e

Job Ticket: 27159

DST#: 2

ATTN: Ben Landes

Test Start: 2007.08.07 @ 17:41:32

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 38.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Gasy muddy oil;8%G,48%O,44%M	0.295
62.00	Gasy oil cut mud;4%G,6%O,90%M	0.305
186.00	Gasy watery Mudy Oil;16%G,54%O,24%W.1	0.915
185.00	Gasy Mudy Oil; 40%G,45%O,15%M	2.313

Total Length: 493.00 ft

Total Volume: 3.828 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity=32@80F=30API

Serial #: 6625

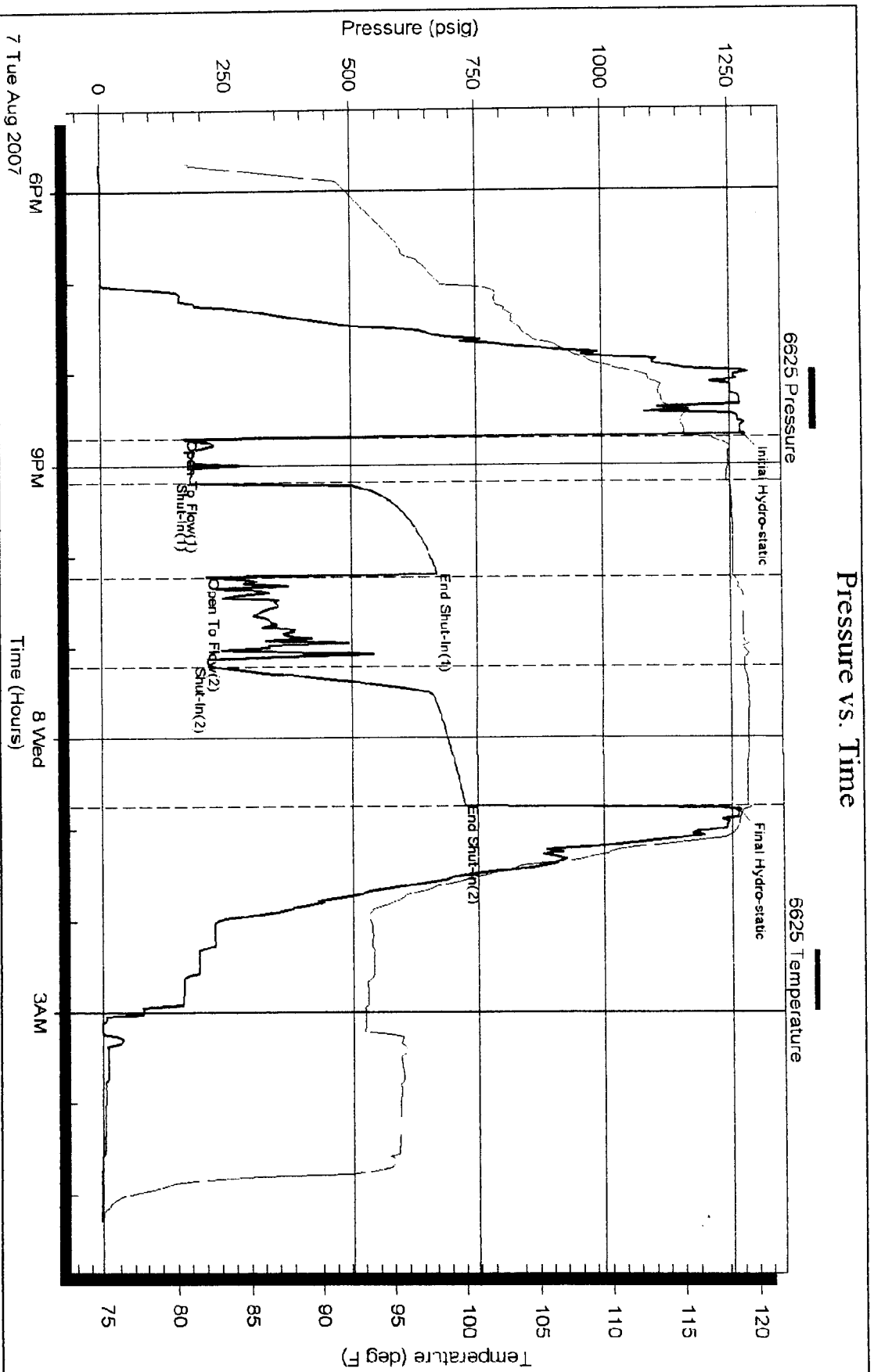
Inside

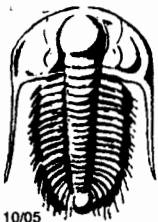
Mid Continent Corp

7/33/8e

DST Test Number: 2

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27159

Test Ticket

Well Name & No. <u>Fulson 1</u>	Test No. <u>DST #2</u>	Date <u>08-07-07</u>
Company <u>Mid-Continent Corp</u>	Zone Tested <u>Miss.</u>	
Address <u>105 S Broadway 360 Wichita KS 67202</u>	Elevation <u>1095</u> KB <u>1085</u>	GL
Co. Rep / Geo. <u>Ben Landis</u>	Rig <u>Gulick</u>	
Location: Sec. <u>7</u> Twp. <u>33S</u> Rge. <u>8E</u>	Co. <u>Cowley</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>2600-2611'</u>	Initial Str Wt./Lbs. <u>50K</u>	Unseated Str Wt./Lbs. <u>52K</u>
Anchor Length <u>11'</u>	Wt. Set Lbs. <u>20K</u>	Wt. Pulled Loose/Lbs. <u>54K</u>
Top Packer Depth <u>2596'</u>	Tool Weight <u>2K</u>	
Bottom Packer Depth <u>2600</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>2611</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>339</u>
Mud Wt. <u>9.0-9.6</u> LCM <u>TRC</u> Vis. <u>35-38</u> WL <u>9-12</u>	Drill Pipe Size <u>4.5 XH</u>	Ft. Run <u>2262'</u>

Blow Description IF: Strong blow, BOB 6 min.
ISI: NO return blow.
EF: Strong blow, BOB 55 min.
FSI: NO return blow.

Recovery - Total Feet <u>493</u>	GIP <u>6.2'</u>	Ft. in DC	Ft. in DP
Rec. <u>60</u>	Feet of <u>gassy muddy oil</u>	<u>8</u> %gas <u>48</u> %oil	%water <u>44</u> %mud
Rec. <u>62</u>	Feet of <u>gassy oil cut mud</u>	<u>4</u> %gas <u>6</u> %oil	%water <u>90</u> %mud
Rec. <u>186</u>	Feet of <u>gassy water muddy oil</u>	<u>6</u> %gas <u>54</u> %oil	<u>24</u> %water <u>16</u> %mud
Rec. <u>185</u>	Feet of <u>gassy muddy oil</u>	<u>40</u> %gas <u>45</u> %oil	%water <u>15</u> %mud
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>119.3</u>	*F Gravity <u>32</u>	*API D @ <u>80</u>	*F Corrected Gravity <u>30</u> *API _____
RW _____ @ _____	*F Chlorides _____	ppm Recovery _____	Chlorides _____ ppm System _____

(A) Initial Hydrostatic Mud	AK-1 <u>1277</u> PSI	Alpine <u>1277</u> PSI	Recorder No. <u>6625 (17:41)</u>	Test <u>1100.00</u>
(B) First Initial Flow Pressure	<u>166</u> PSI		(depth) <u>2601'</u>	Jars <u>250.00</u>
(C) First Final Flow Pressure	<u>177</u> PSI		Recorder No. <u>13761</u>	Safety Jt. <u>75.00</u>
(D) Initial Shut-In Pressure	<u>673</u> PSI		(depth) <u>2608'</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>209</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>212</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>725</u> PSI	Initial Opening <u>30</u>		Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1263</u> PSI	Initial Shut-In <u>60</u>		Shale Packer _____

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Approved By [Signature]
 Our Representative [Signature]

Final Flow 60
 Final Shut-In 90
 T-On Location 17:30
 T-Started 18:30
 T-Open 20:40
 T-Pulled 00:40
 T-Out 05:10

Sub Total: _____
 Std. By 2.5 250.00
 Acc. Chg: _____
 Other: _____
 Total: 1675.00
+ mileage