

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas**

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

11 32 9 Harper KS

McDaniel #1

Start Date: 2007.05.01 @ 10:09:38

End Date: 2007.05.01 @ 16:46:08

Job Ticket #: 27934 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

R & B Oil & Gas

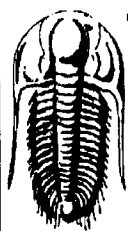
McDaniel #1

11 32 9 Harper KS

DST # 1

Kansas City

2007.05.01



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

R & B Oil & Gas

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

McDaniel #1

11 32 9 Harper KS

Job Ticket: 27934

DST#: 1

Test Start: 2007.05.01 @ 10:09:38

GENERAL INFORMATION:

Formation: **Kansas City**

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

Time Tool Opened: 11:41:53

Time Test Ended: 16:46:08

Test Type: **Conventional Bottom Hole**

Tester: **Travy Cushenbery**

Unit No: **30**

Interval: **3958.00 ft (KB) To 3981.00 ft (KB) (TVD)**

Total Depth: **3981.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **1520.00 ft (KB)**

1517.00 ft (CF)

KB to GR/CF: **3.00 ft**

Serial #: 6668 **Inside**

Press@RunDepth: **224.63 psig @ 3958.00 ft (KB)**

Start Date: **2007.05.01**

End Date:

2007.05.01

Start Time: **10:09:43**

End Time:

16:46:07

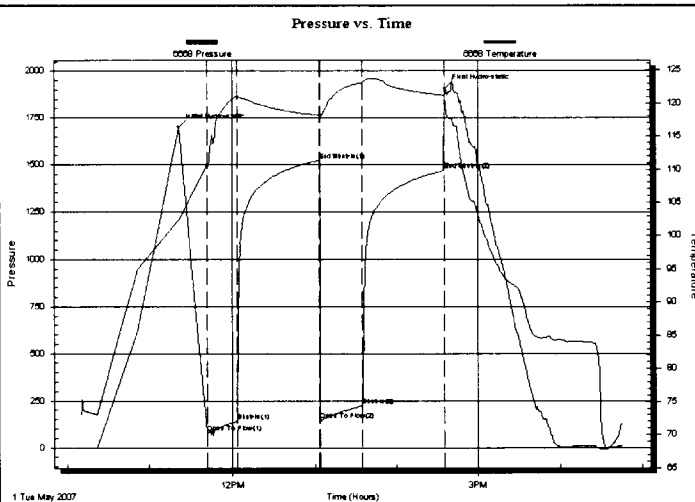
Capacity: **7000.00 psig**

Last Calib.: **2007.05.01**

Time On Btm: **2007.05.01 @ 11:21:38**

Time Off Btm: **2007.05.01 @ 14:36:08**

TEST COMMENT: IF Fair blow BOB in 8 mins.
ISI Bled off Weak blow back Building to 1/8 " in 60 mins.
FF Weak blow BOB in 19 mins.
FSI Bled off No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1701.64	102.34	Initial Hydro-static
21	78.17	110.53	Open To Flow (1)
42	141.45	121.07	Shut-In (1)
102	1522.73	118.14	End Shut-In (1)
103	146.04	117.87	Open To Flow (2)
134	224.63	123.11	Shut-In (2)
194	1469.31	121.16	End Shut-In (2)
195	1908.87	119.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
160.00	Muddy Water 54%W 46%M	2.24
180.00	Gasy Muddy Water 10%G 80%W 10%M	2.52
60.00	Gasy Muddy Water 5%G 75%W 20%M	0.84

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas

McDaniel #1

PO Box 195
Attica KS 67009

11 32 9 Harper KS

Job Ticket: 27934

DST#: 1

ATTN: Tim Pierce

Test Start: 2007.05.01 @ 10:09:38

Tool Information

Drill Pipe:	Length: 3964.00 ft	Diameter: 3.80 inches	Volume: 55.60 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 55.60 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3958.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	43.00 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			3943.00	
Hydraulic tool	5.00			3948.00	
Packer	5.00			3953.00	20.00 Bottom Of Top Packer
Packer	5.00			3958.00	
Recorder	0.00	6668	Inside	3958.00	
Perforations	20.00			3978.00	
Recorder	0.00	13266	Outside	3978.00	
Bullnose	3.00			3981.00	23.00 Bottom Packers & Anchor

Total Tool Length: 43.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas

McDaniel #1

PO Box 195
Attica KS 67009

11 32 9 Harper KS

Job Ticket: 27934

DST#: 1

ATTN: Tim Pierce

Test Start: 2007.05.01 @ 10:09:38

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: 160000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 13.98 in³

Gas Cushion Type:

Resistivity: 0.05 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
160.00	Muddy Water 54%W 46%M	2.244
180.00	Gasy Muddy Water 10%G 80%W 10%M	2.525
60.00	Gasy Muddy Water 5%G 75%W 20%M	0.842

Total Length: 400.00 ft

Total Volume: 5.611 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

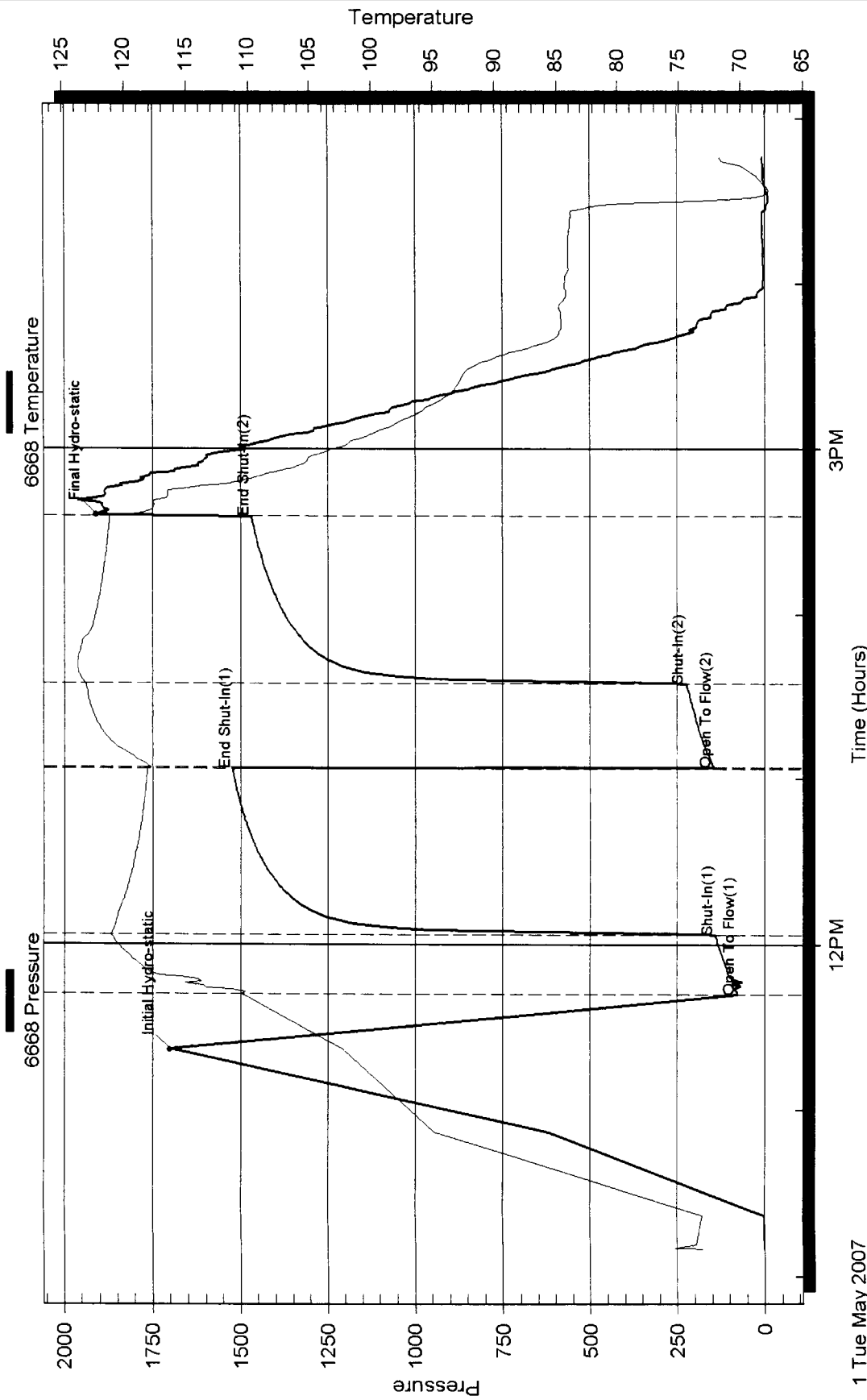
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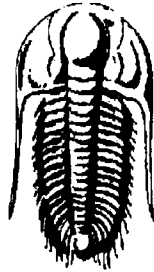
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas**

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

11 32 9 Harper KS

McDaniel #1

Start Date: 2007.05.02 @ 21:42:54

End Date: 2007.05.03 @ 04:37:24

Job Ticket #: 27935 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

R & B Oil & Gas

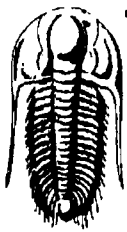
McDaniel #1

11 32 9 Harper KS

DST # 2

Miss.

2007.05.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

R & B Oil & Gas

McDaniel #1

PO Box 195
Attica KS 67009

11 32 9 Harper KS

ATTN: Tim Pierce

Job Ticket: 27935

DST#: 2

Test Start: 2007.05.02 @ 21:42:54

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 23:38:24

Time Test Ended: 04:37:24

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **4404.00 ft (KB) To 4420.00 ft (KB) (TVD)**

Total Depth: **4420.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **1520.00 ft (KB)**

1517.00 ft (CF)

KB to GR/CF: **3.00 ft**

Serial #: 6668 **Inside**

Press@RunDepth: **6.86 psig @ 4404.00 ft (KB)**

Start Date: **2007.05.02**

End Date:

2007.05.03

Start Time: **21:42:59**

End Time:

04:37:23

Capacity: **7000.00 psig**

Last Calib.: **2007.05.03**

Time On Btm: **2007.05.02 @ 23:37:54**

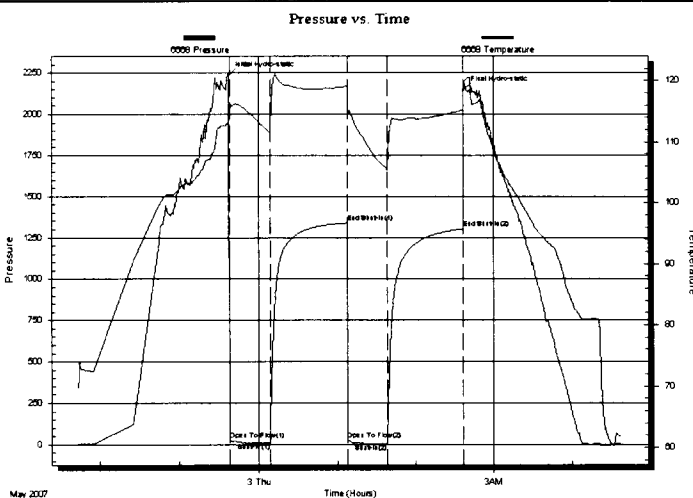
Time Off Btm: **2007.05.03 @ 02:37:08**

TEST COMMENT: IF Strong blow BOB immediately GTS in 20 mins.TSTM

FSI Bled off No blow back

FF Strong blow GTS See gas report

FSI Bled off



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2234.77	113.28	Initial Hydro-static
1	25.64	114.76	Open To Flow (1)
31	11.81	111.36	Shut-In (1)
90	1338.21	119.07	End Shut-In (1)
90	26.62	113.89	Open To Flow (2)
121	6.86	105.34	Shut-In (2)
179	1303.04	115.23	End Shut-In (2)
180	2143.36	117.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	M	0.21

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.00	6.14
Last Gas Rate	0.13	2.00	6.14
Max. Gas Rate	0.13	2.00	6.14



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil & Gas

McDaniel #1

PO Box 195
Attica KS 67009

11 32 9 Harper KS

Job Ticket: 27935

DST#: 2

ATTN: Tim Pierce

Test Start: 2007.05.02 @ 21:42:54

Tool Information

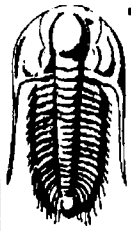
Drill Pipe:	Length: 4401.00 ft	Diameter: 3.80 inches	Volume: 61.73 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	64000.00 lb
			Total Volume: 61.73 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	4404.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.00 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
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Shut In Tool	5.00			4389.00	
Hydraulic tool	5.00			4394.00	
Packer	5.00			4399.00	20.00 Bottom Of Top Packer
Packer	5.00			4404.00	
Recorder	0.00	6668	Inside	4404.00	
Perforations	13.00			4417.00	
Recorder	0.00	13266	Outside	4417.00	
Bullnose	3.00			4420.00	16.00 Bottom Packers & Anchor

Total Tool Length: 36.00



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TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil & Gas

McDaniel #1

PO Box 195
Attica KS 67009

11 32 9 Harper KS

Job Ticket: 27935

DST#: 2

ATTN: Tim Pierce

Test Start: 2007.05.02 @ 21:42:54

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: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 13.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	M	0.210

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

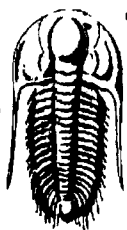
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

R & B Oil & Gas

McDaniel #1

PO Box 195
Attica KS 67009

11 32 9 Harper KS

Job Ticket: 27935

DST#: 2

ATTN: Tim Pierce

Test Start: 2007.05.02 @ 21:42:54

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	0.13	2.00	6.14
2	10	0.13	2.00	6.14
2	10	0.13	2.00	6.14

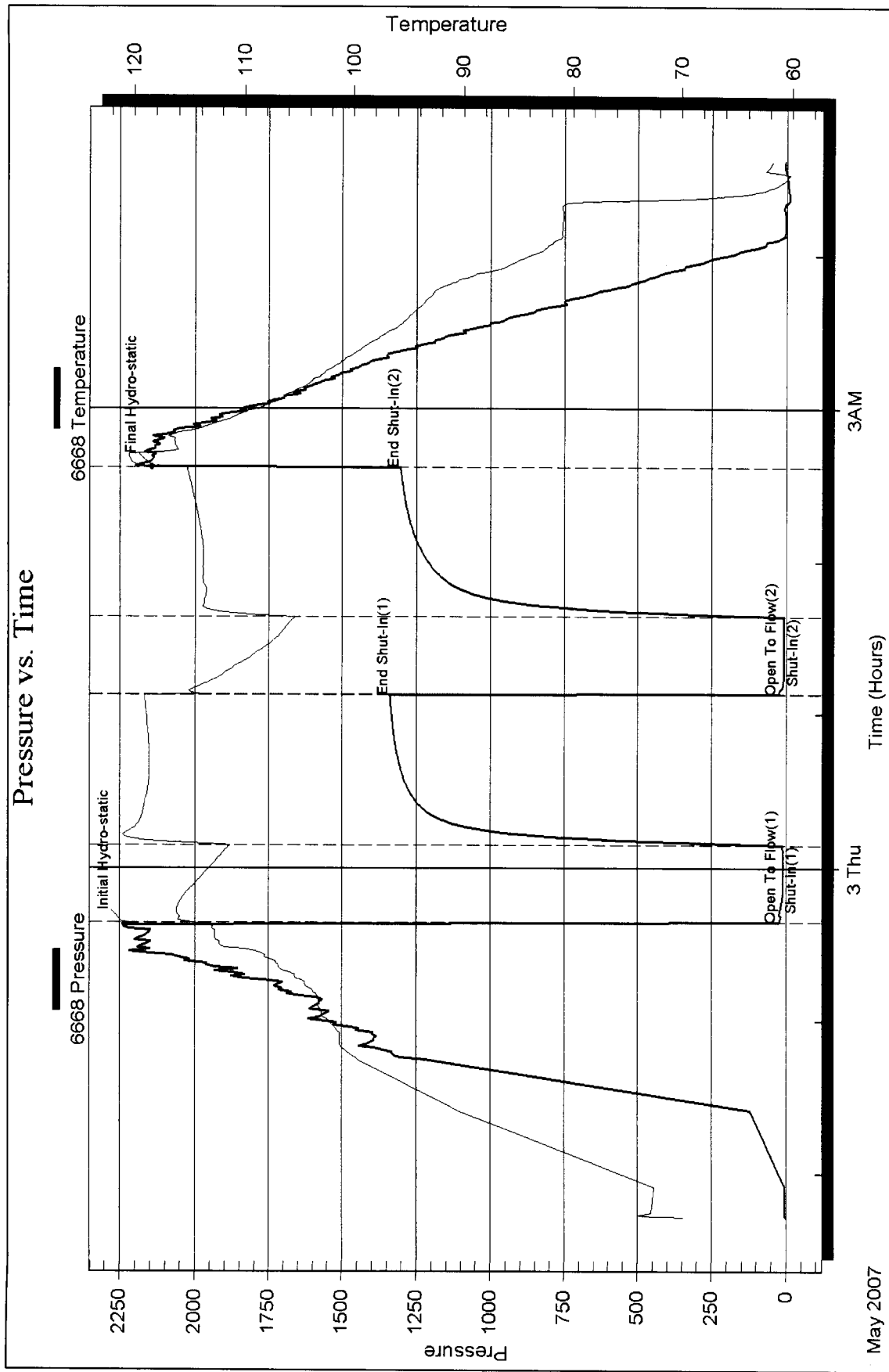
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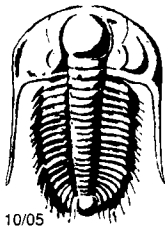
Inside

R & B Oil & Gas

11 32 9 Harper KS

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27934

10113

Test Ticket

Well Name & No. <u>McDaniel #1</u>	Test No. <u>#1</u>	Date <u>5-1-07</u>
Company <u>R & B Oil & Gas</u>	Zone Tested <u>Kansas City</u>	
Address <u>904 N. Logan + P.O. Box 195 Atchison, KS 67809</u>	Elevation <u>1320'</u> KB <u>1517'</u> GL	
Co. Rep / Geo. <u>Tim Pierce</u>	Rig <u>Duke Rig 2</u>	
Location: Sec. <u>11</u> Twp. <u>32 S</u> Rge. <u>9 W</u>	Co. <u>Harper</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3958' - 3981'</u>	Initial Str Wt./Lbs. <u>55,000</u>	Unseated Str Wt./Lbs. <u>58,000</u>
Anchor Length <u>23'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth <u>3953'</u>	Tool Weight <u>2,100 lbs</u>	
Bottom Packer Depth <u>3958'</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3981'</u>	Wt. Pipe Run _____	Drill Collar Run _____
Mud Wt. <u>9.0</u> LCM <u>5</u> Vis. <u>46</u> WL <u>14</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3964'</u>
Blow Description <u>ISI: Fair blow. B.O.B. in 8 mins.</u>		
<u>ISI: Bled off. Weak blow back. Building to 1/8" in 60 mins.</u>		
<u>FF: Fair blow. Weak blow back. Building to 1/8" in 19 mins. B.O.B. in 19 mins.</u>		
<u>FSI: Bled off. no blow back.</u>		

Recovery - Total Feet <u>400'</u>	GIP <u>120'</u>	Ft. in DC _____	Ft. in DP <u>400'</u>
Rec. <u>160</u>	Feet of <u>Muddy Water</u>	0 %gas	0 %oil
Rec. <u>180</u>	Feet of <u>Muddy Water</u>	10 %gas	0 %oil
Rec. <u>60</u>	Feet of <u>Gray Muddy Water</u>	5 %gas	0 %oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
BHT <u>121</u>	°F Gravity _____	*API D @ _____	*F Corrected Gravity _____
RW <u>.05</u> @ <u>74</u> °F	Chlorides _____ ppm	Recovery <u>160,000</u>	Chlorides <u>3,000</u> ppm

(A) Initial Hydrostatic Mud	<u>1702</u> PSI	Recorder No. <u>6668</u>	Test <u>✓ 1100</u>
(B) First Initial Flow Pressure	<u>78</u> PSI	(depth) <u>3958'</u>	Jars _____
(C) First Final Flow Pressure	<u>141</u> PSI	Recorder No. <u>13266</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1522</u> PSI	(depth) <u>3978'</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>146</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>225</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1469</u> PSI	Initial Opening <u>30 mins</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1909</u> PSI	Initial Shut-In <u>60 mins</u>	Shale Packer _____

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By _____

Our Representative T. Alby

Final Flow 30 mins
Final Shut-In 60 mins
T-On Location 09:45
T-Started 10:09
T-Open 11:36
T-Pulled 14:36
T-Out 16:45

Ruined Packer _____
Mileage ✓ 145
Sub Total: _____
Std. By _____
Acc. Chg: _____
Other: \$1245
Total: _____

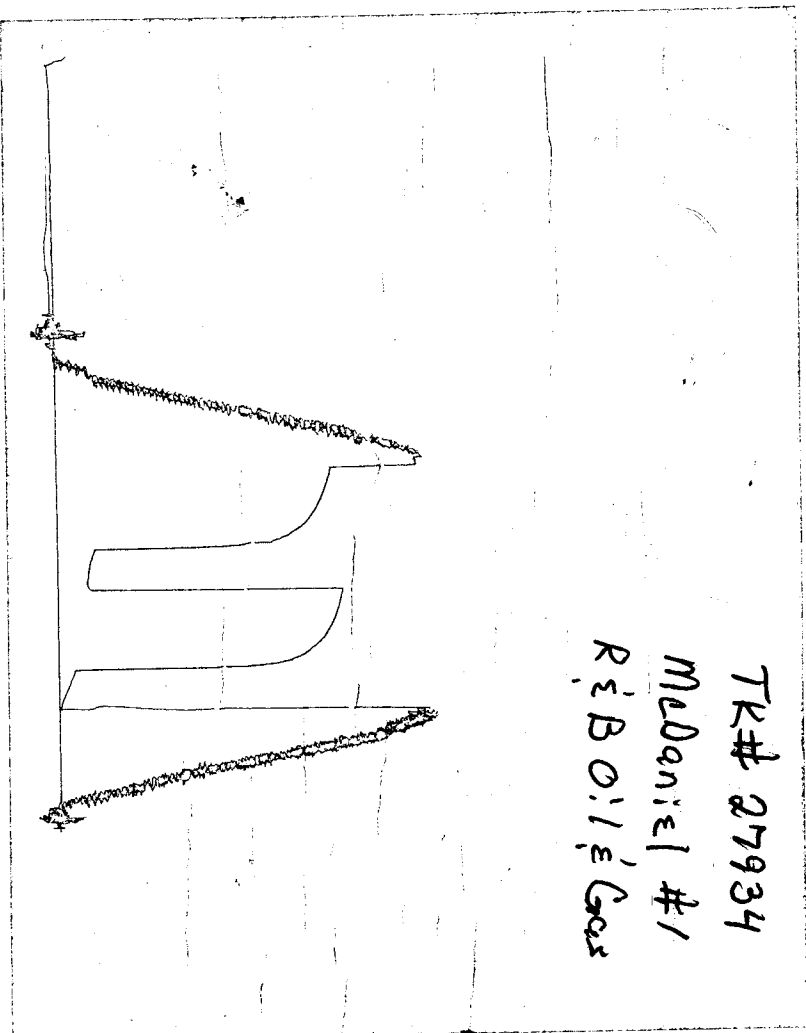
CHART PAGE

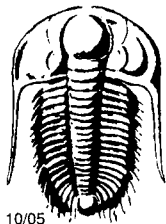
This is a photocopy of the actual AK-1 recorder chart.

TR# 27934

McDaniel #1

R&B Oil & Gas





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27935

Test Ticket

Well Name & No. McDaniel #1 Test No. #2 Date 5-2-07
 Company R & B Oil & Gas Zone Tested Miss.
 Address P.O. Box 195 Attica KS 67009 Elevation 1520' KB 1517' GL
 Co. Rep / Geo. Jim Pierce Rig Duke Rig #2
 Location: Sec. 11 Twp. 32S Rge. 9W Co. Harper State KS
 Comment: _____ Release date / time: _____

Interval Tested 4404' - 4420' Initial Str Wt./Lbs. 59,000 Unseated Str Wt./Lbs. 59,000
 Anchor Length 16' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 64,000
 Top Packer Depth 4399' Tool Weight 2,100 lbs
 Bottom Packer Depth 4404' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4420' Wt. Pipe Run NONE Drill Collar Run NONE
 Mud Wt. 9.5 LCM 0 Vis. 44 WL 13.2 Drill Pipe Size 4 1/2 XH Ft. Run 4401'

Blow Description IF: Strong blow. B.O.B. immediately. G.T.S. in 20 mins. T.S.T.
FSI: Bled off. No blow back.
FF: Strong blow. G.T.S. See gas report.
FSI: Bled off. No blow back.

Recovery - Total Feet 15 GIP G.T.S. Ft. in DC — Ft. in DP 15
 Rec. 15' Feet of Mud %gas %oil %water 100 %mu
 Rec. _____ Feet of _____ %gas %oil %water %mu
 Rec. _____ Feet of _____ %gas %oil %water %mu
 Rec. _____ Feet of _____ %gas %oil %water %mu
 Rec. _____ Feet of _____ %gas %oil %water %mu
 BHT 115 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °Al
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 6,000 ppm Syste

(A) Initial Hydrostatic Mud	AK-1	Alpine	2,259	PSI	Recorder No.	6668	Test	✓ 110C
(B) First Initial Flow Pressure			26	PSI	(depth)	4404'	Jars	
(C) First Final Flow Pressure			12	PSI	Recorder No.	13266	Safety Jt.	
(D) Initial Shut-In Pressure			1338	PSI	(depth)	4417'	Circ Sub	
(E) Second Initial Flow Pressure			27	PSI	Recorder No.	—	Sampler	
(F) Second Final Flow Pressure			7	PSI	(depth)	—	Straddle	
(G) Final Shut-In Pressure			1303	PSI	Initial Opening	30 mins	Ext. Packer	
(Q) Final Hydrostatic Mud			2,200	PSI	Initial Shut-In	60 mins	Shale Packer	
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.					Final Flow	30 mins	Ruined Packer	
					Final Shut-In	60 mins	Mileage	90 112.5
					T-On Location	21:00	Sub Total:	
Approved By	Tim Pierce	T-Started	21:42	Std. By		Acc. Chg:		
		T-Open	23:41	Other:	1212.50			
		T-Pulled	02:41	Total:				
		T-Out	04:36					
Our Representative	Frank Lushenbery							



GAS VOLUME REPORT

Tracy Cushman
OPERATOR

McDonnell #1

WELL NAME AND NO.

#2
DST NO

PF!

FF:

[illegible]

Remarks:

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

TK # 27935

McDaniel #1

R&B Oil & Gas

