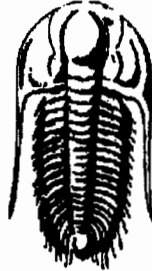


15-051-25876

9-12s-18w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central Ste 300
Wichita Ks 67207

ATTN: Kevin McCoy
CONFIDENTIAL
AUG 19 2009

9 12 18 Ellis KS
KCC

Seib A # 1-9

Start Date: 2009.08.10 @ 21:17:02

End Date: 2009.08.11 @ 06:38:17

Job Ticket #: 35433 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

McCoy Petroleum

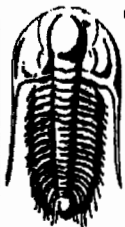
Seib A # 1-9

9 12 18 Ellis KS

DST # 1

Lower Topoka

2009.08.10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

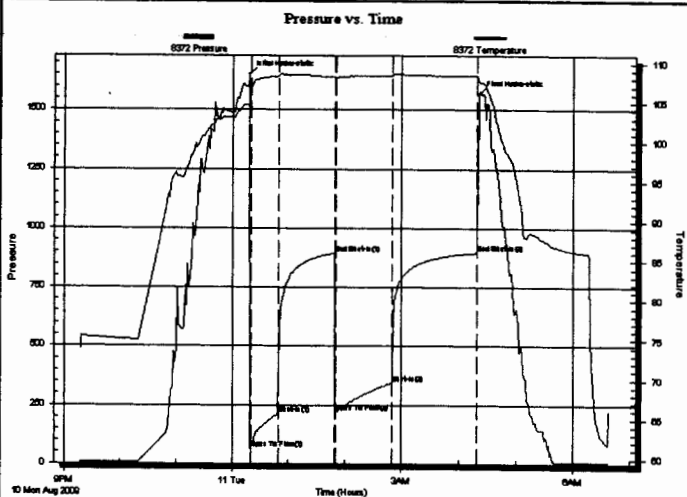
Seib A # 1-9
9 12 18 Ellis KS
Job Ticket: 35433 **DST#: 1**
Test Start: 2009.08.10 @ 21:17:02

GENERAL INFORMATION:

Formation: **Lower Topeka**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 00:19:47
Time Test Ended: 06:38:17
Interval: **3389.00 ft (KB) To 3405.00 ft (KB) (TVD)**
Total Depth: **3405.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Dan Bangle**
Unit No: **38**
Reference Elevations: **2213.00 ft (KB)**
2204.00 ft (CF)
KB to GRVCF: **9.00 ft**

Serial #: 8372 Inside
Press@RunDepth: **343.64 psig @ 3390.00 ft (KB)**
Start Date: **2009.08.10** End Date: **2009.08.11**
Start Time: **21:17:03** End Time: **06:38:17**
Capacity: **7000.00 psig**
Last Calib.: **2009.08.11**
Time On Btrn: **2009.08.11 @ 00:18:17**
Time Off Btrn: **2009.08.11 @ 04:21:02**

TEST COMMENT: IF-Strong B-B in 8 min
IS-Weak steady surface blow
FF-Strong B-B in 12 min
FSI-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1649.44	104.74	Initial Hydro-static
2	62.59	105.17	Open To Flow (1)
32	210.88	108.35	Shut-In (1)
91	893.55	108.28	End Shut-In (1)
92	218.71	107.92	Open To Flow (2)
152	343.64	108.42	Shut-In (2)
241	896.12	108.42	End Shut-In (2)
243	1566.18	107.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
590.00	Mdy Gsy Wtr 10%g 70%w 20%m	6.01
20.00	CGsyO 10%g 90%o	0.28
0.00	185 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Selb A # 1-9
9 12 18 Ells KS
Job Ticket: 35433 **DST#: 1**
Test Start: 2009.08.10 @ 21:17:02

Tool Information

Drill Pipe:	Length: 3133.00 ft	Diameter: 3.80 inches	Volume: 43.95 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: 25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 45.17 bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3389.00 ft			Final 63000.00 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:
Slid tool 6' to bottom

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3370.00	
Shut in Tool	5.00			3375.00	
Hydraulic tool	5.00			3380.00	
Packer	5.00			3385.00	20.00 Bottom Of Top Packer
Packer	4.00			3389.00	
Stubb	1.00			3390.00	
Recorder	0.00	8372	Inside	3390.00	
Recorder	0.00	8520	Outside	3390.00	
Perforations	12.00			3402.00	
Bullnose	3.00			3405.00	16.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Selb A # 1-9
9 12 18 Ellis KS
Job Ticket: 35433 **DST#: 1**
Test Start: 2009.08.10 @ 21:17:02

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 90000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.14 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1700.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
590.00	Mdy Gsy Wtr 10%g 70%w 20%m	6.008
20.00	CGsyO 10%g 90%o	0.281
0.00	185 GP	0.000

Total Length: 610.00 ft Total Volume: 6.289 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .07 @ 80F = 90000 ppm chlorides

Serial #: 8372

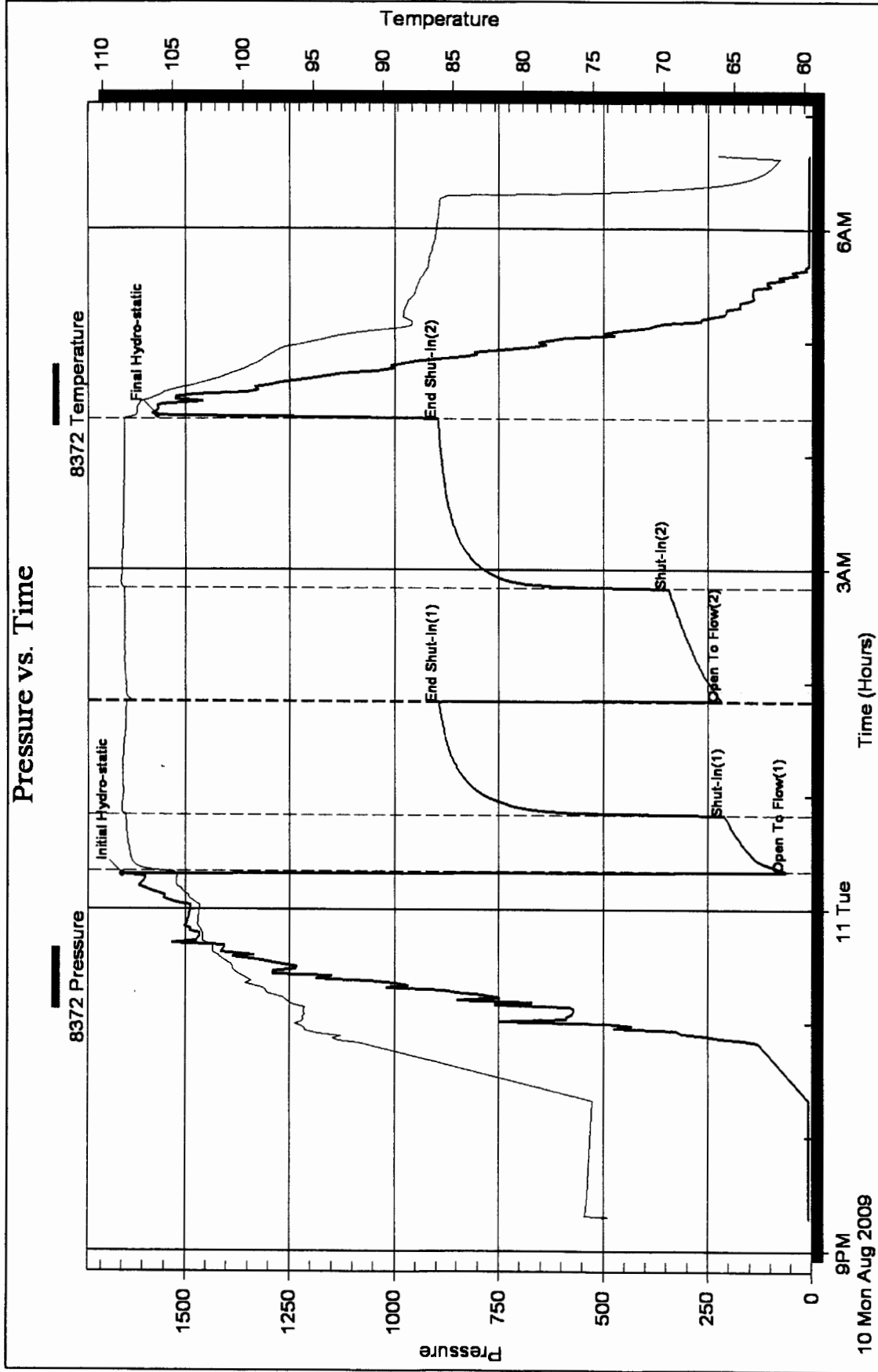
Inside

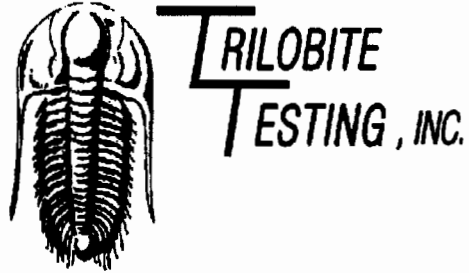
McCoy Petroleum

9 12 18 Ellis KS

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central Ste 300
Wichita Ks 67208

ATTN: Kevin McCoy

9 12 18 Ellis KS

Seib A # 1-9

Start Date: 2009.08.11 @ 21:58:03

End Date: 2009.08.12 @ 05:17:48

Job Ticket #: 35434 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

McCoy Petroleum

Seib A # 1-9

9 12 18 Ellis KS

DST # 2

B

2009.08.11



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Seib A # 1-9
9 12 18 Ellis KS
Job Ticket: 35434 **DST#: 2**
Test Start: 2009.08.11 @ 21:58:03

GENERAL INFORMATION:

Formation: **B**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 23:41:33
Time Test Ended: 05:17:48
Interval: **3517.00 ft (KB) To 3530.00 ft (KB) (TVD)**
Total Depth: **3530.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Dan Bangle**
Unit No: **38**
Reference Elevations: **2213.00 ft (KB)**
2204.00 ft (CF)
KB to GR/CF: **9.00 ft**

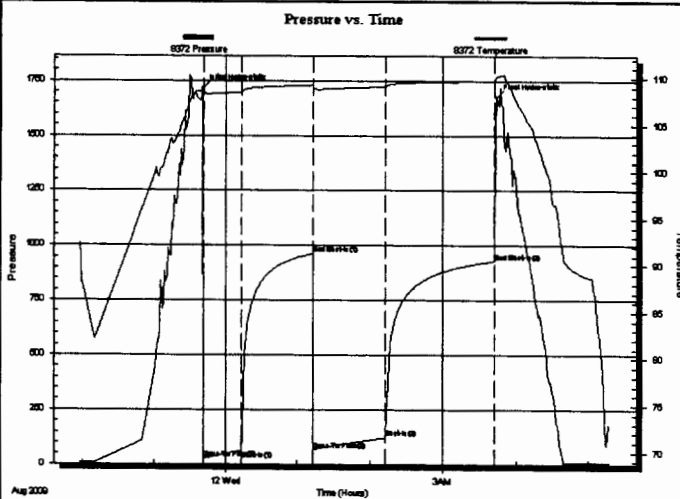
Serial #: 8372

Inside

Press@RunDepth: **120.51 psig @ 3518.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2009.08.11** End Date: **2009.08.12** Last Calib.: **2009.08.12**
Start Time: **21:58:04** End Time: **05:17:48** Time On Btrr: **2009.08.11 @ 23:40:48**
Time Off Btrr: **2009.08.12 @ 03:43:33**

TEST COMMENT: IF-Weak building to 1 1/2"

FF-Weak surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1713.47	108.78	Initial Hydro-static
1	24.77	108.22	Open To Flow (1)
33	62.49	108.51	Shut-In(1)
92	961.77	109.26	End Shut-In(1)
93	65.88	108.69	Open To Flow (2)
152	120.51	109.11	Shut-In(2)
242	929.06	109.72	End Shut-In(2)
243	1674.89	110.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	Wtr	0.98

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Seib A # 1-9
9 12 18 Ellis KS
Job Ticket: 35434 **DST#: 2**
Test Start: 2009.08.11 @ 21:58:03

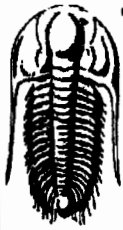
Tool Information

Drill Pipe:	Length: 3260.00 ft	Diameter: 3.80 inches	Volume: 45.73 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: 25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 46.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3517.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	33.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3498.00	
Shut In Tool	5.00			3503.00	
Hydraulic tool	5.00			3508.00	
Packer	5.00			3513.00	20.00 Bottom Of Top Packer
Packer	4.00			3517.00	
Stubb	1.00			3518.00	
Recorder	0.00	8372	Inside	3518.00	
Recorder	0.00	8520	Outside	3518.00	
Perforations	9.00			3527.00	
Bullnose	3.00			3530.00	13.00 Bottom Packers & Anchor
Total Tool Length:	33.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Selb A # 1-9
9 12 18 Ellis KS
Job Ticket: 35434 DST#: 2
Test Start: 2009.08.11 @ 21:58:03

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: 100000 ppm	
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.93 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

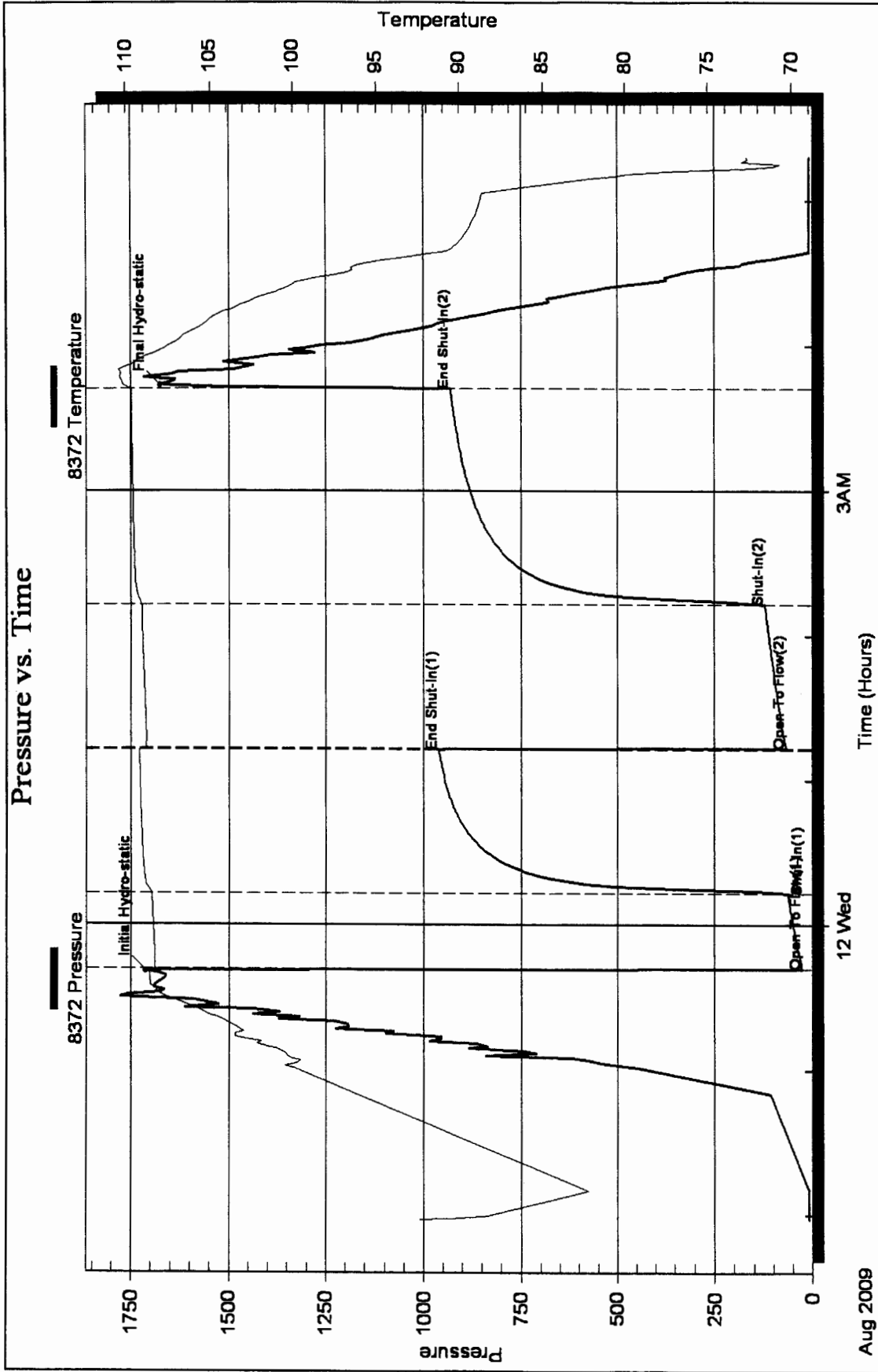
Recovery Information

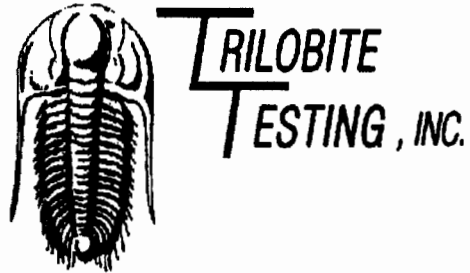
Recovery Table

Length ft	Description	Volume bbl
200.00	Wtr	0.984

Total Length: 200.00 ft Total Volume: 0.984 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Rw .06 @ 86 = 100000ppm

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central Ste 300
Wichita Ks 67208

ATTN: Kevin McCoy

9 12 18 Ellis KS

Seib A # 1-9

Start Date: 2009.08.12 @ 11:53:20

End Date: 2009.08.12 @ 20:10:05

Job Ticket #: 35435 DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Seib A # 1-9
9 12 18 Ellis KS
Job Ticket: 35435 **DST#: 3**
Test Start: 2009.08.12 @ 11:53:20

GENERAL INFORMATION:

Formation: **C-D**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 14:08:50
Time Test Ended: 20:10:05
Interval: **3527.00 ft (KB) To 3547.00 ft (KB) (TVD)**
Total Depth: **3547.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Dan Bangle**
Unit No: **38**
Reference Elevations: **2213.00 ft (KB)**
2204.00 ft (CF)
KB to GR/CF: **9.00 ft**

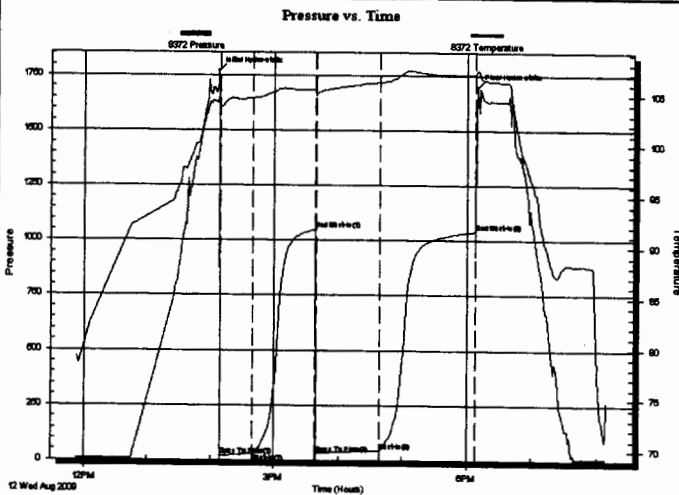
Serial #: 8372

Inside

Press@RunDepth: **44.32 psig @ 3528.00 ft (KB)**
Start Date: **2009.08.12** End Date: **2009.08.12** Capacity: **7000.00 psig**
Start Time: **11:53:21** End Time: **20:10:05** Last Calib.: **2009.08.12**
Time On Btr: **2009.08.12 @ 14:07:35**
Time Off Btr: **2009.08.12 @ 18:09:35**

TEST COMMENT: IF-Weak building to 2"

FF-Weak building to 10" fair blow



PRESSURE SUMMARY

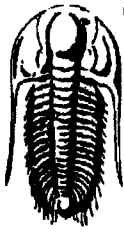
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1769.50	104.80	Initial Hydro-static
2	20.86	103.46	Open To Flow (1)
33	28.99	104.72	Shut-In(1)
91	1049.66	105.57	End Shut-In(1)
92	29.13	104.98	Open To Flow (2)
152	44.32	106.30	Shut-In(2)
241	1040.31	107.06	End Shut-In(2)
242	1699.69	107.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCGsyo 30% m 10% g 60% o	0.30
0.00	310 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Seib A # 1-9
9 12 18 Ellis KS
Job Ticket: 35435 **DST#: 3**
Test Start: 2009.08.12 @ 11:53:20

Tool Information

Drill Pipe:	Length: 3260.00 ft	Diameter: 3.80 inches	Volume: 45.73 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:	25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	70000.00 lb
			Total Volume: 46.95 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	3527.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	40.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3508.00	
Shut In Tool	5.00			3513.00	
Hydraulic tool	5.00			3518.00	
Packer	5.00			3523.00	20.00 Bottom Of Top Packer
Packer	4.00			3527.00	
Stubb	1.00			3528.00	
Recorder	0.00	8372	Inside	3528.00	
Recorder	0.00	8520	Outside	3528.00	
Perforations	16.00			3544.00	
Bullnose	3.00			3547.00	20.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum

Selb A # 1-9

8080 E Central Ste 300
Wichita Ks 67208

9 12 18 Ellis KS

Job Ticket: 35435

DST#: 3

ATTN: Kevin McCoy

Test Start: 2009.08.12 @ 11:53:20

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.93 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MCGsyO 30% _m 10% _g 60% _o	0.295
0.00	310 GIP	0.000

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

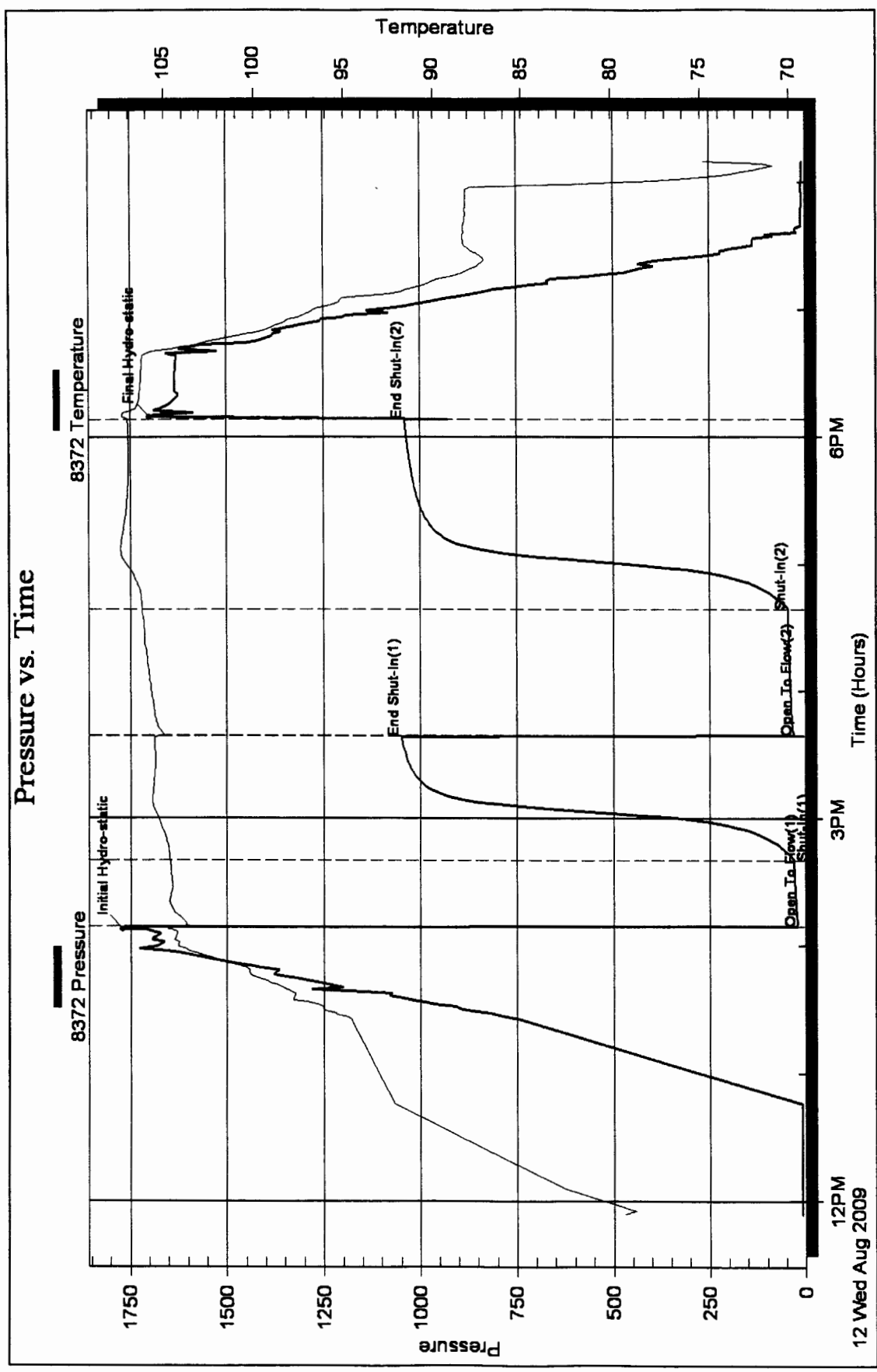
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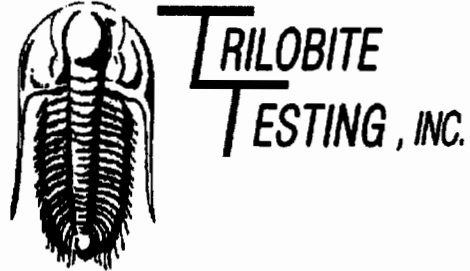
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central Ste 300
Wichita Ks 67208

ATTN: Kevin McCoy

9 12 18 Ellis KS

Seib A # 1-9

Start Date: 2009.08.13 @ 05:17:50

End Date: 2009.08.13 @ 13:55:50

Job Ticket #: 35436 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

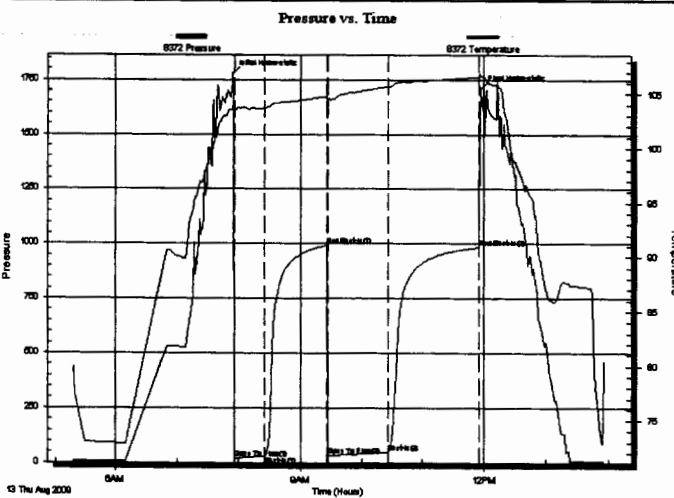
Seib A # 1-9
9 12 18 Ellis KS
Job Ticket: 35436 **DST#: 4**
Test Start: 2009.08.13 @ 05:17:50

GENERAL INFORMATION:

Formation: **E-F**
Deviated: **No Whipstock: ft (KB)**
Time Tool Opened: 07:55:35
Time Test Ended: 13:55:50
Interval: **3546.00 ft (KB) To 3571.00 ft (KB) (TVD)**
Total Depth: **3571.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Dan Bangle**
Unit No: **38**
Reference Elevations: **2213.00 ft (KB)**
2204.00 ft (CF)
KB to GR/CF: **9.00 ft**

Serial #: 8372 **Inside**
Press@RunDepth: **48.21 psig @ 3547.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2009.08.13** End Date: **2009.08.13** Last Calib.: **2009.08.13**
Start Time: **05:17:51** End Time: **13:55:50** Time On Btmr: **2009.08.13 @ 07:54:20**
Time Off Btmr: **2009.08.13 @ 11:57:35**

TEST COMMENT: IF-Weak steady 1/8th" blow
FF-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1776.51	103.64	Initial Hydro-static
2	18.92	103.19	Open To Flow (1)
31	30.52	103.70	Shut-In(1)
92	991.98	104.75	End Shut-In(1)
92	33.00	104.14	Open To Flow(2)
152	48.21	105.67	Shut-In(2)
242	983.56	106.58	End Shut-In(2)
244	1709.68	106.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM w/show of free oil on top 20% 80% O.30	

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum

Seib A # 1-9

8080 E Central Ste 300
Wichita Ks 67208

9 12 18 Ellis KS

Job Ticket: 35436

DST#: 4

ATTN: Kevin McCoy

Test Start: 2009.08.13 @ 05:17:50

Tool Information

Drill Pipe:	Length: 3292.00 ft	Diameter: 3.80 inches	Volume: 46.18 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: 25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Full Loose: 70000.00 lb
			Total Volume: 47.40 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3546.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3527.00	
Shut In Tool	5.00			3532.00	
Hydraulic tool	5.00			3537.00	
Packer	5.00			3542.00	20.00 Bottom Of Top Packer
Packer	4.00			3546.00	
Stubb	1.00			3547.00	
Recorder	0.00	8372	Inside	3547.00	
Recorder	0.00	8520	Outside	3547.00	
Perforations	21.00			3568.00	
Bullnose	3.00			3571.00	25.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Seib A # 1-9
9 12 18 EllIs KS
Job Ticket: 35436 **DST#: 4**
Test Start: 2009.08.13 @ 05:17:50

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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.94 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCM w/show of free oil on top 20%o 80% _m	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8372

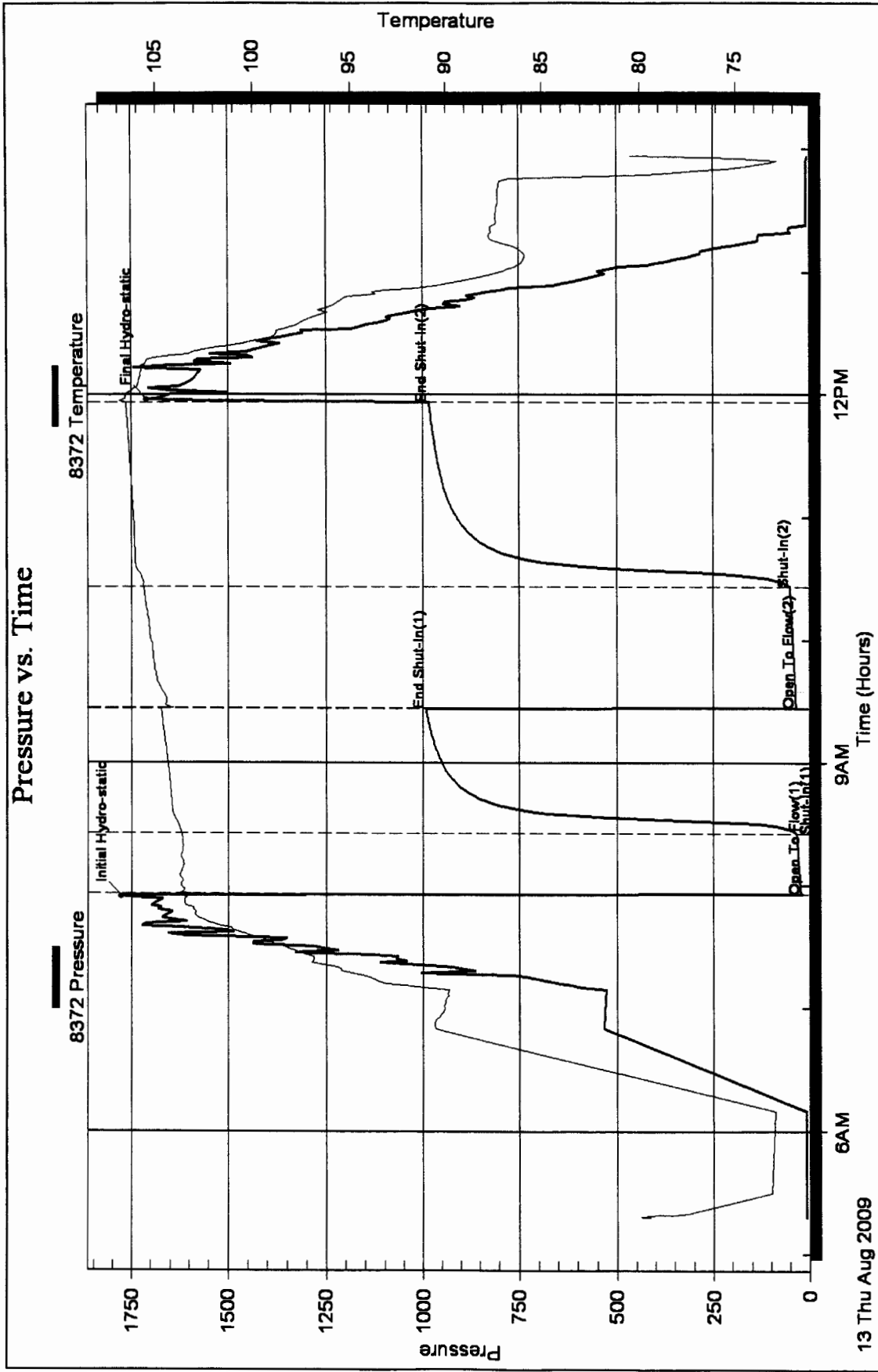
Inside

McCoy Petroleum

9 12 18 Ellis KS

DST Test Number: 4

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central Ste 300
Wichita Ks 67208

ATTN: Kevin McCoy

9 12 18 Ellis KS

Seib A # 1-9

Start Date: 2009.08.14 @ 03:25:23

End Date: 2009.08.14 @ 13:04:53

Job Ticket #: 35437 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

McCoy Petroleum

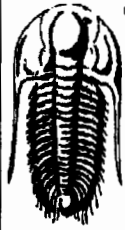
Seib A # 1-9

9 12 18 Ellis KS

DST # 5

G-H-I-J

2009.08.14



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Seib A # 1-9
9 12 18 Ellis KS
Job Ticket: 35437 **DST#: 5**
Test Start: 2009.08.14 @ 03:25:23

GENERAL INFORMATION:

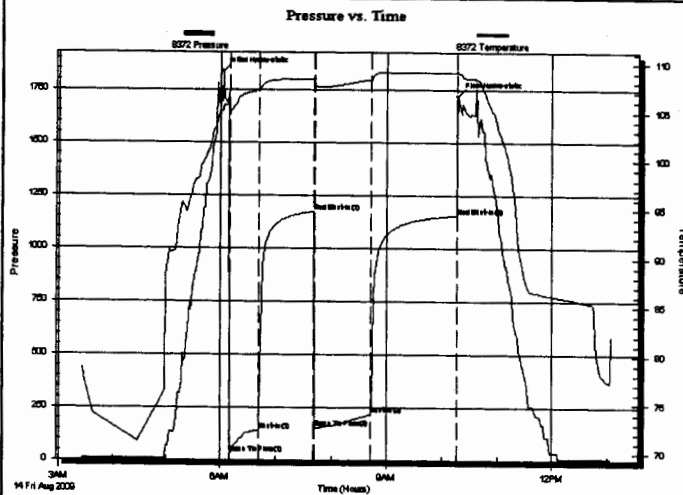
Formation: **G-H-I-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:09:53
Time Test Ended: 13:04:53
Interval: **3577.00 ft (KB) To 3673.00 ft (KB) (TVD)**
Total Depth: 3673.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38
Reference Elevations: 2213.00 ft (KB)
2204.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8372

Inside

Press@RunDepth: 215.99 psig @ 3584.00 ft (KB)
Start Date: 2009.08.14 End Date: 2009.08.14
Start Time: 03:25:24 End Time: 13:04:53
Capacity: 7000.00 psig
Last Calib.: 2009.08.14
Time On Btrr: 2009.08.14 @ 06:02:38
Time Off Btrr: 2009.08.14 @ 10:17:08

TEST COMMENT: IF-Strong B-B in 12 min
IS-Weak building to 3"
FF-Strong B-B in 12 min
FSI-Strong B-B in 11 min - died in 30 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1839.61	105.25	Initial Hydro-static
8	31.17	104.95	Open To Flow (1)
39	141.80	107.22	Shut-in (1)
98	1173.78	108.39	End Shut-in (1)
99	154.51	107.90	Open To Flow (2)
160	215.99	108.36	Shut-in (2)
254	1156.53	109.15	End Shut-in (2)
255	1722.85	109.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCGsyO 10%g 60%o 30%r	0.59
380.00	CGsyO 20%g 80%o	4.16
0.00	1040 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Seib A # 1-9
9 12 18 Ellis KS
Job Ticket: 35437 **DST#: 5**
Test Start: 2009.08.14 @ 03:25:23

Tool Information

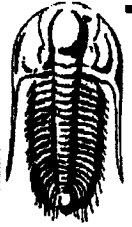
Drill Pipe:	Length: 3324.00 ft	Diameter: 3.80 inches	Volume: 46.63 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 47.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3577.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	116.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3558.00	
Shut In Tool	5.00			3563.00	
Hydraulic tool	5.00			3568.00	
Packer	5.00			3573.00	20.00 Bottom Of Top Packer
Packer	4.00			3577.00	
Stubb	1.00			3578.00	
Perforations	5.00			3583.00	
Change Over Sub	1.00			3584.00	
Recorder	0.00	8372	Inside	3584.00	
Recorder	0.00	8520	Outside	3584.00	
Drill Pipe	62.00			3646.00	
Change Over Sub	1.00			3647.00	
Perforations	23.00			3670.00	
Bullnose	3.00			3673.00	96.00 Bottom Packers & Anchor

Total Tool Length: 116.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Selb A # 1-9
9 12 18 Ellis KS
Job Ticket: 35437 **DST#: 5**
Test Start: 2009.08.14 @ 03:25:23

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.74 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4100.00 ppm			
Filter Cake: inches			

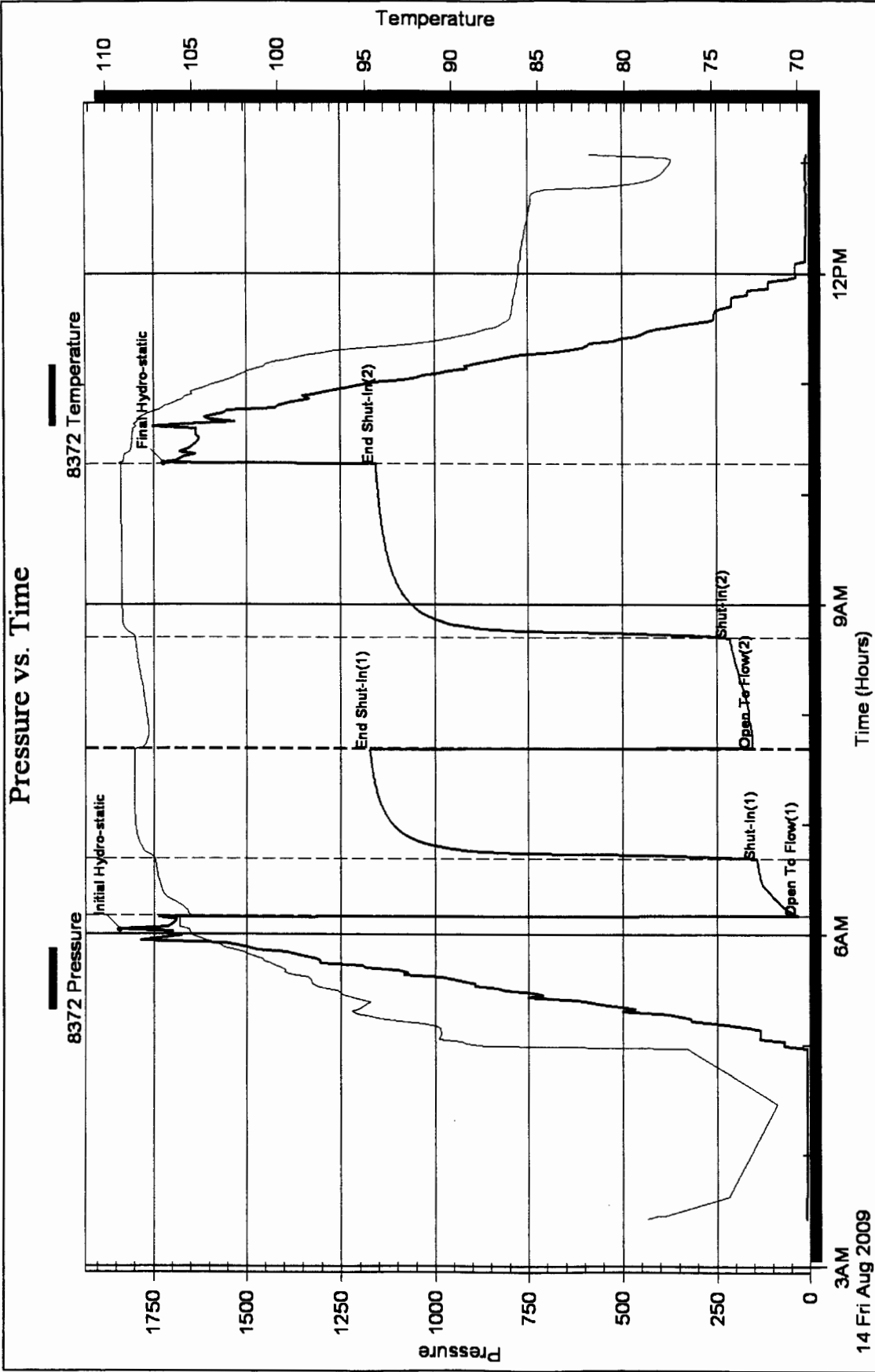
Recovery Information

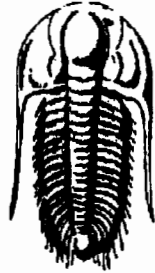
Recovery Table

Length ft	Description	Volume bbl
120.00	MCGsyO 10%g 60%o 30%w	0.590
380.00	CGsyO 20%g 80%o	4.155
0.00	1040 GP	0.000

Total Length: 500.00 ft Total Volume: 4.745 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central Ste 300
Wichita Ks 67208

ATTN: Kevin McCoy

9 12 18 Ellis KS

Seib A # 1-9

Start Date: 2009.08.14 @ 22:40:31

End Date: 2009.08.15 @ 07:33:16

Job Ticket #: 35438 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

McCoy Petroleum

Seib A # 1-9

9 12 18 Ellis KS

DST # 6

K-L

2009.08.14



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Seib A # 1-9
9 12 18 Ellis KS
Job Ticket: 35438 **DST#: 6**
Test Start: 2009.08.14 @ 22:40:31

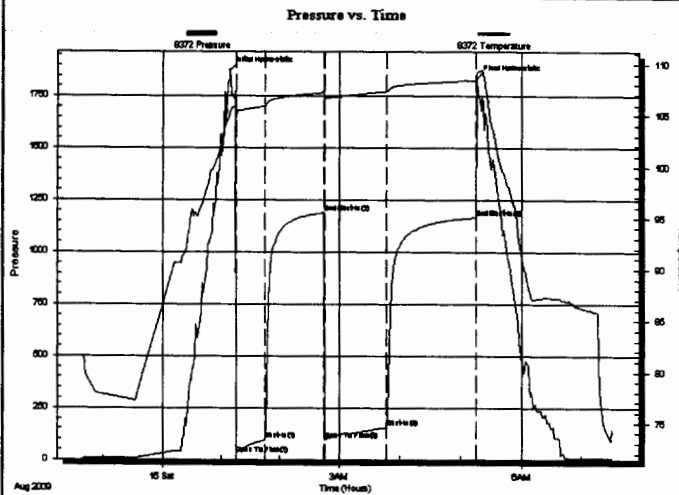
GENERAL INFORMATION:

Formation: K-L
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:15:31
Time Test Ended: 07:33:16
Interval: 3667.00 ft (KB) To 3725.00 ft (KB) (TVD)
Total Depth: 3725.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38
Reference Elevations: 2213.00 ft (KB)
2204.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8372

Press@RunDepth: 157.06 psig @ ft (KB) Capacity: 7000.00 psig
Start Date: 2009.08.14 End Date: 2009.08.15 Last Calib.: 2009.08.15
Start Time: 22:40:32 End Time: 07:33:16 Time On Btrt: 2009.08.15 @ 01:09:16
Time Off Btrt: 2009.08.15 @ 05:16:01

TEST COMMENT: IF-Strong B-B in 11 min
ISI-Weak 1/8th" blow back
FF-Strong B-B in 13 min
FSI-Weak surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1873.02	105.28	Initial Hydro-static
7	26.34	104.84	Open To Flow (1)
35	95.93	105.93	Shut-In(1)
96	1189.13	107.25	End Shut-In(1)
96	97.96	106.78	Open To Flow (2)
158	157.06	107.36	Shut-In(2)
246	1165.85	108.45	End Shut-In(2)
247	1834.54	109.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MGSyO 20%g 50%o 30%em	0.30
495.00	CGsyO 30%g 70%o	5.22
0.00	245GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Seib A # 1-9
9 12 18 Ellis KS
Job Ticket: 35438 **DST#: 6**
Test Start: 2009.08.14 @ 22:40:31

Tool Information

Drill Pipe:	Length: 3417.00 ft	Diameter: 3.80 inches	Volume: 47.93 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: 25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 49.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	3667.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	78.00 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		3648.00	
Shut In Tool	5.00		3653.00	
Hydraulic tool	5.00		3658.00	
Packer	5.00		3663.00	20.00 Bottom Of Top Packer
Packer	4.00		3667.00	
Stubb	1.00		3668.00	
Perforations	1.00		3669.00	
Change Over Sub	1.00		3670.00	
Drill Pipe	32.00		3702.00	
Change Over Sub	1.00		3703.00	
Perforations	19.00		3722.00	
Bullnose	3.00		3725.00	58.00 Bottom Packers & Anchor

Total Tool Length: 78.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Selb A # 1-9
9 12 18 Ellis KS
Job Ticket: 35438 **DST#: 6**
Test Start: 2009.08.14 @ 22:40:31

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 26 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.16 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: inches		

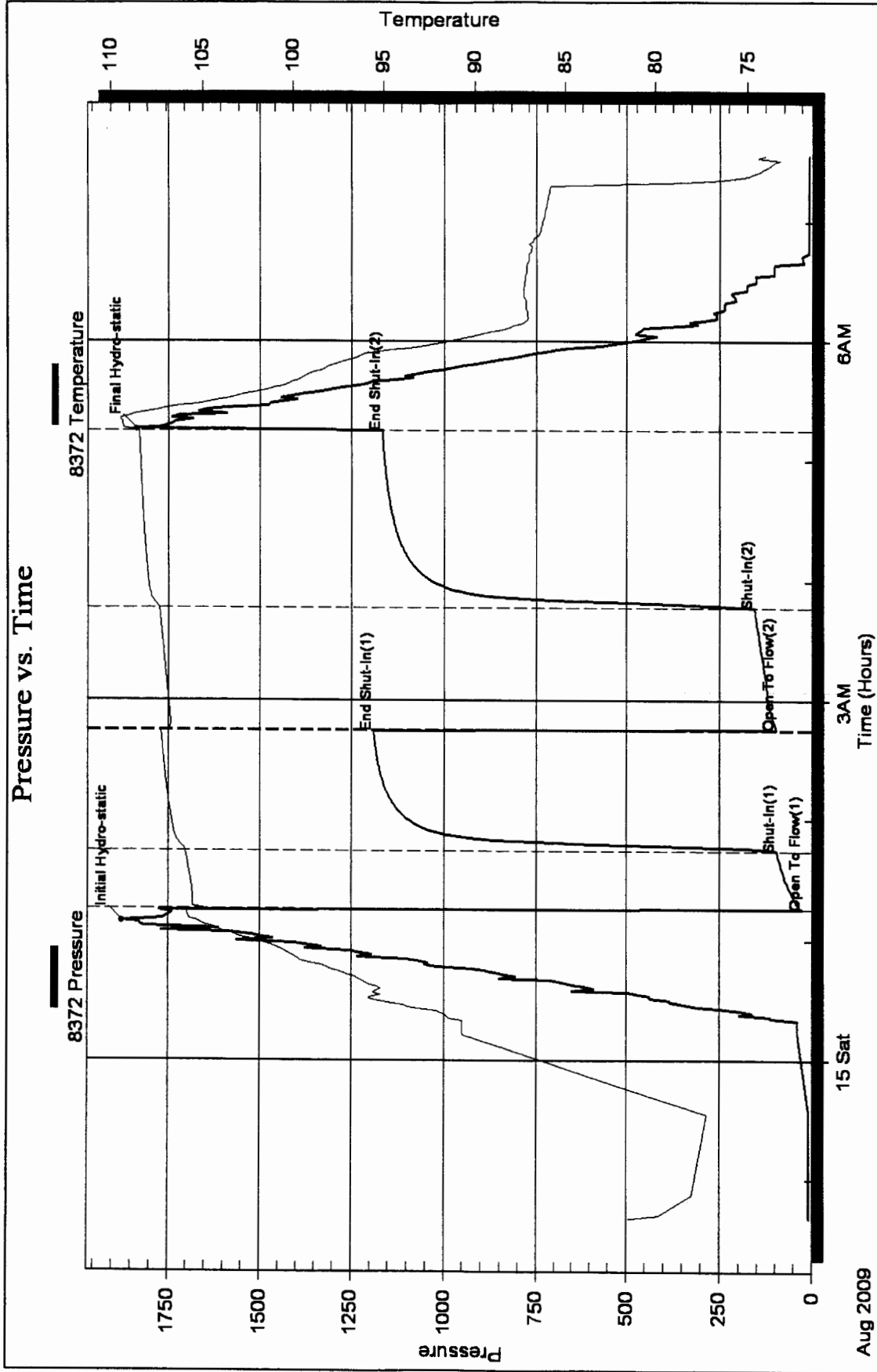
Recovery Information

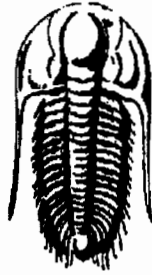
Recovery Table

Length ft	Description	Volume bbl
60.00	MCGsyO 20%g 50%o 30%m	0.295
495.00	CGsyO 30%g 70%o	5.222
0.00	245GIP	0.000

Total Length: 555.00 ft Total Volume: 5.517 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central Ste 300
Wichita Ks 67208

ATTN: Kevin McCoy

9 12 18 Ellis KS

Seib A # 1-9

Start Date: 2009.08.15 @ 17:20:55

End Date: 2009.08.16 @ 01:05:55

Job Ticket #: 35439 DST #: 7

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

McCoy Petroleum

Seib A # 1-9

9 12 18 Ellis KS

DST # 7

Arbuckle

2009.08.15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

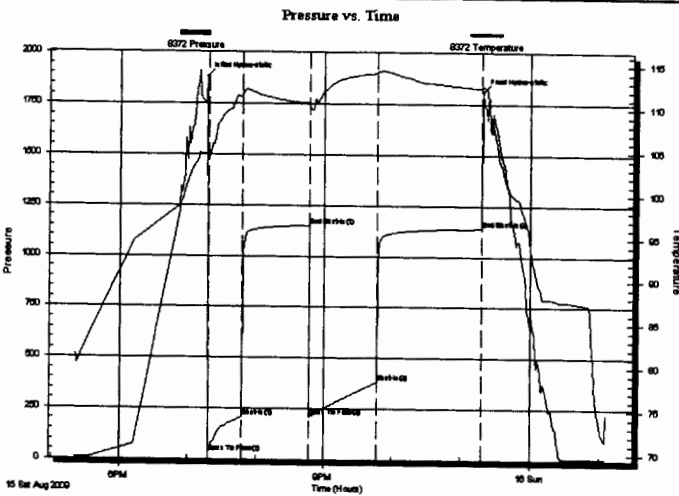
Seib A # 1-9
9 12 18 Ellis KS
Job Ticket: 35439 **DST#: 7**
Test Start: 2009.08.15 @ 17:20:55

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 19:17:55
Time Test Ended: 01:05:55
Interval: **3724.00 ft (KB) To 3792.00 ft (KB) (TVD)**
Total Depth: **3792.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Dan Bangle**
Unit No: **38**
Reference Elevations: **2213.00 ft (KB)**
2204.00 ft (CF)
KB to GR/CF: **9.00 ft**

Serial #: 8372 **Inside**
Press@RunDepth: **381.66 psig @ 3731.00 ft (KB)**
Start Date: **2009.08.15** End Date: **2009.08.16** Capacity: **7000.00 psig**
Start Time: **17:20:56** End Time: **01:05:55** Last Calib.: **2009.08.16**
Time On Btrn: **2009.08.15 @ 19:16:40**
Time Off Btrn: **2009.08.15 @ 23:19:10**

TEST COMMENT: IF-Strong B-B in 12 min
FF-Strong B-B in 18 min



PRESSURE SUMMARY

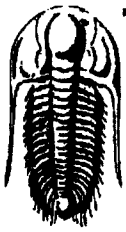
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1881.57	104.85	Initial Hydro-static
2	33.05	104.23	Open To Flow (1)
32	209.12	111.42	Shut-In(1)
90	1149.88	110.62	End Shut-In(1)
91	212.81	110.11	Open To Flow (2)
151	381.66	114.12	Shut-In(2)
242	1138.18	112.45	End Shut-In(2)
243	1810.99	112.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
430.00	Wtr	3.76
240.00	Mdy Wtr	3.37
165.00	Mdy Wtr w/ scum of oil	2.31

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Selb A # 1-9
9 12 18 Ellis KS
Job Ticket: 35439 **DST#: 7**
Test Start: 2009.08.15 @ 17:20:55

Tool Information

Drill Pipe:	Length: 3480.00 ft	Diameter: 3.80 inches	Volume: 48.82 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: 25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 50.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	3724.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	88.00 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			3705.00	
Shut In Tool	5.00			3710.00	
Hydraulic tool	5.00			3715.00	
Packer	5.00			3720.00	20.00 Bottom Of Top Packer
Packer	4.00			3724.00	
Stubb	1.00			3725.00	
Perforations	5.00			3730.00	
Change Over Sub	1.00			3731.00	
Recorder	0.00	8372	Inside	3731.00	
Recorder	0.00	8520	Outside	3731.00	
Drill Pipe	32.00			3763.00	
Change Over Sub	1.00			3764.00	
Perforations	25.00			3789.00	
Bullnose	3.00			3792.00	68.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum
8080 E Central Ste 300
Wichita Ks 67208
ATTN: Kevin McCoy

Seib A # 1-9
9 12 18 Ellis KS
Job Ticket: 35439 **DST#: 7**
Test Start: 2009.08.15 @ 17:20:55

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:	30000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
430.00	Wtr	3.763
240.00	Mdy Wtr	3.367
165.00	Mdy Wtr w/ scum of oil	2.315

Total Length: 835.00 ft Total Volume: 9.445 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Rw .20 @ 80 = 30000ppm

Serial #: 8372

Inside

McCoy Petroleum

9 12 18 Ellis KS

DST Test Number: 7

Pressure vs. Time

