

**TRILOBITE
TESTING, INC.**

CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E. Central Suite 300
Wichita, KS 67206

ATTN: Roger McCoy

11-30s-9w Kingman

Schwartz "A" #3-11

Start Date: 2004.04.29 @ 00:44:17

End Date: 2004.04.29 @ 09:59:47

Job Ticket #: 18974

DST #: 1

KCC

CONFIDENTIAL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Printed: 2004.05.05 @ 15:01:53 Page 1

McCoy Petroleum Corporation

Schwartz "A" #3-11

11-30s-9w Kingman

DST # 1

Mississippi

2004.04.29


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

 8080 E. Central Suite 300
Wichita, KS 67206

ATTN: Roger McCoy

Schwartz "A" #3-11

11-30s-9w Kingman

Job Ticket: 18974

DST#: 1

Test Start: 2004.04.29 @ 00:44:17

GENERAL INFORMATION:

 Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:59:27

Time Test Ended: 09:59:47

Test Type: Conventional Bottom Hole

Tester: Nathan

Unit No: 20

 Interval: **4275.00 ft (KB) To 4287.00 ft (KB) (TVD)**

Total Depth: 4287.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1682.00 ft (KB)

1673.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6751

Inside

Press@RunDepth: 67.23 psig @ 4276.00 ft (KB)

Start Date: 2004.04.29

End Date: 2004.04.29

Start Time: 00:44:27

End Time: 09:59:46

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btrm: 2004.04.29 @ 03:58:17

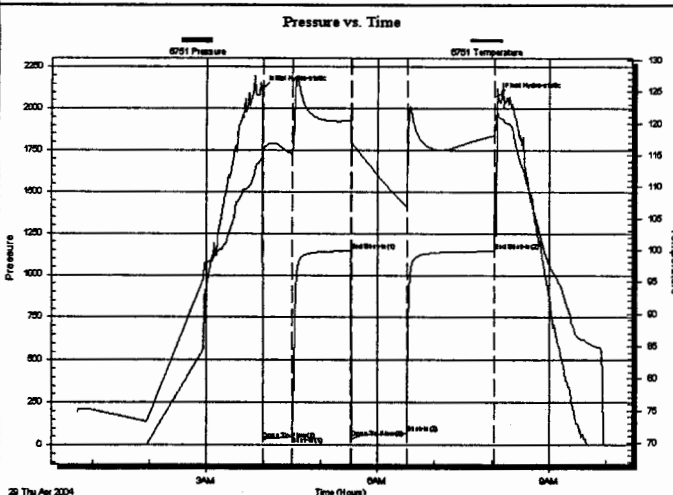
Time Off Btrm: 2004.04.29 @ 08:06:17

TEST COMMENT: IF- Strong blow O.B.B. in 20 seconds; GTS in 12 1/2 minutes

IS- No blow

FF- Strong blow O.B.B. ASAT opened

FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2112.18	114.49	Initial Hydro-static
2	27.51	115.01	Open To Flow (1)
32	49.48	114.89	Shut-In(1)
93	1144.65	120.43	End Shut-In(1)
94	37.45	116.20	Open To Flow (2)
153	67.23	106.82	Shut-In(2)
244	1143.69	118.11	End Shut-In(2)
248	2073.47	121.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	SGCM 92%MUD 8%GAS	0.59
60.00	SGCM 80%MUD 20%GAS	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

McCoy Petroleum Corporation

8080 E. Central Suite 300
Wichita, KS 67206

ATTN: Roger McCoy

Schwartz "A" #3-11

11-30s-9w Kingman

Job Ticket: 18974

DST#: 1

Test Start: 2004.04.29 @ 00:44:17

Tool Information

Drill Pipe:	Length: 4045.00 ft	Diameter: 3.80 inches	Volume: 56.74 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 105000.0 lb
		Total Volume: 57.92 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4275.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	34.00 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			4254.00	
Shut In Tool	5.00			4259.00	
Hydraulic tool	5.00			4264.00	
Safety Joint	2.00			4266.00	
Packer	4.00			4270.00	22.00 Bottom Of Top Packer
Packer	5.00			4275.00	
Stubb	1.00			4276.00	
Recorder	0.00	6751	Inside	4276.00	
Perforations	8.00			4284.00	
Recorder	0.00	13630	Outside	4284.00	
Bullnose	3.00			4287.00	12.00 Bottom Packers & Anchor

Total Tool Length: 34.00

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DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

Schwartz "A" #3-11

 8080 E. Central Suite 300
 Wichita, KS 67206

11-30s-9w Kingman

Job Ticket: 18974

DST#: 1

ATTN: Roger McCoy

Test Start: 2004.04.29 @ 00:44:17

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:

19000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

 Water Loss: 8.72 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	SGCM 92%MUD 8%GAS	0.590
60.00	SGCM 80%MUD 20%GAS	0.295

Total Length: 180.00 ft

Total Volume: 0.885 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

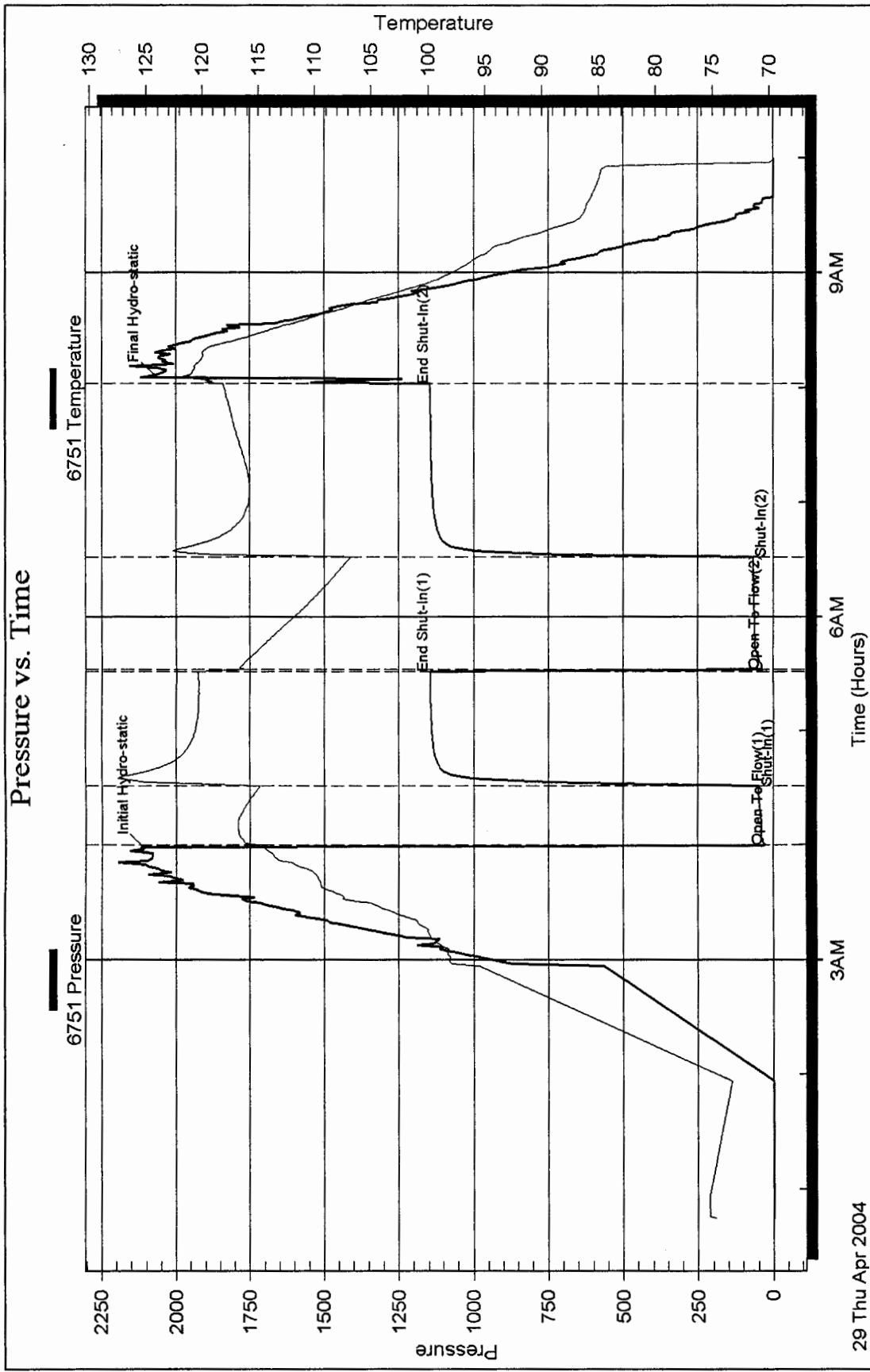
11-30s-9w Kingman

McCoy Petroleum Corporation

Inside

Serial #: 6751

Pressure vs. Time



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Ref. No: 18974

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GAS VOLUME REPORT

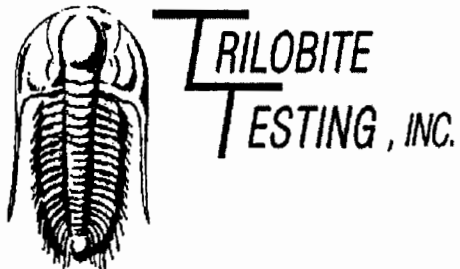
DST #: 1

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DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E. Central Suite 300
Wichita, KS 67206

ATTN: Roger McCoy

11-30s-9w Kingman

Schwartz "A" #3-11

Start Date: 2004.04.29 @ 16:17:58

End Date: 2004.04.30 @ 00:37:58

Job Ticket #: 18975 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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McCoy Petroleum Corporation

Schwartz "A" #3-11

11-30s-9w Kingman

DST # 2

Mississippi

2004.04.29


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

8080 E. Central Suite 300
Wichita, KS 67206

ATTN: Roger McCoy

Schwartz "A" #3-11

11-30s-9w Kingman

Job Ticket: 18975

DST#: 2

Test Start: 2004.04.29 @ 16:17:58

GENERAL INFORMATION:

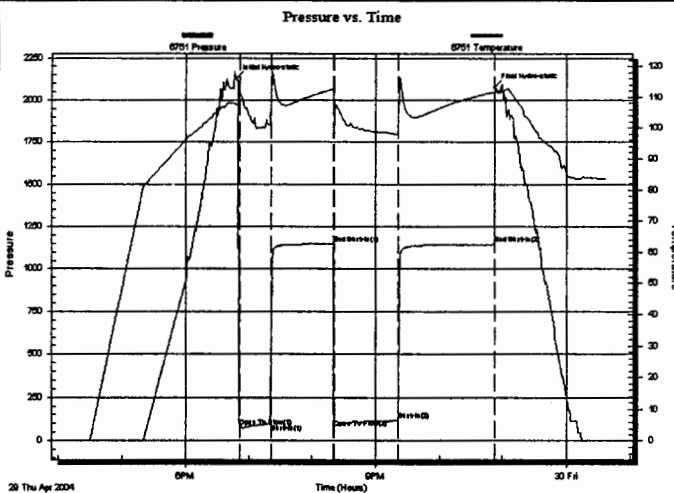
Formation: **Mississippi**Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 18:50:38

Time Test Ended: 00:37:58

Test Type: **Conventional Bottom Hole**Tester: **Nathan**Unit No: **20**Interval: **4287.00 ft (KB) To 4297.00 ft (KB) (TVD)**Total Depth: **4297.00 ft (KB) (TVD)**Hole Diameter: **7.88 inches** Hole Condition: **Fair**Reference Elevations: **1682.00 ft (KB)****1673.00 ft (CF)**KB to GR/CF: **9.00 ft**Serial #: **6751** InsidePress@RunDepth: **117.08 psig @ 4288.00 ft (KB)**Start Date: **2004.04.29**End Date: **2004.04.30**Start Time: **16:18:28**End Time: **00:37:58**Capacity: **7000.00 psig**Last Calib.: **1899.12.30**Time On Btm: **2004.04.29 @ 18:47:38**Time Off Btm: **2004.04.29 @ 22:52:28**

TEST COMMENT: IF- Strong blow O.B.B. in 15 seconds; GTS in 5 minutes
 IS- No blow
 FF- Strong blow O.B.B. ASAT opened; gas immediately
 FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2127.49	107.62	Initial Hydro-static
3	81.54	111.39	Open To Flow (1)
33	96.89	100.67	Shut-In(1)
93	1147.59	112.57	End Shut-In(1)
94	73.84	104.93	Open To Flow (2)
154	117.08	97.85	Shut-In(2)
245	1146.40	111.57	End Shut-In(2)
245	2076.44	112.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SGCM 98% mud 2% gas	0.15
120.00	GWCM 68% mud 30% water 2% gas	0.59
120.00	SOMCW 75% water 15% mud 10% oil	0.86

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

8080 E. Central Suite 300
Wichita, KS 67206

ATTN: Roger McCoy

Schwartz "A" #3-11

11-30s-9w Kingman

Job Ticket: 18975

DST#:2

Test Start: 2004.04.29 @ 16:17:58

Tool Information

Drill Pipe:	Length: 4046.00 ft	Diameter: 3.80 inches	Volume: 56.75 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 76000.00 lb
		Total Volume: 57.93 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4287.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	32.00 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			4266.00	
Shut In Tool	5.00			4271.00	
Hydraulic tool	5.00			4276.00	
Safety Joint	2.00			4278.00	
Packer	4.00			4282.00	22.00 Bottom Of Top Packer
Packer	5.00			4287.00	
Stubb	1.00			4288.00	
Recorder	0.00	6751	Inside	4288.00	
Perforations	6.00			4294.00	
Recorder	0.00	13630	Outside	4294.00	
Bullnose	3.00			4297.00	10.00 Bottom Packers & Anchor

Total Tool Length: 32.00

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DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

Schwartz "A" #3-11

 8080 E. Central Suite 300
 Wichita, KS 67206

11-30s-9w Kingman

Job Ticket: 18975

DST#: 2

ATTN: Roger McCoy

Test Start: 2004.04.29 @ 16:17:58

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:

52000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

 Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SGCM 98%mud 2%gas	0.148
120.00	GWCM 68%mud 30%water 2%gas	0.590
120.00	SOMCW 75%water 15%mud 10%oil	0.863

Total Length: 270.00 ft

Total Volume: 1.601 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 2

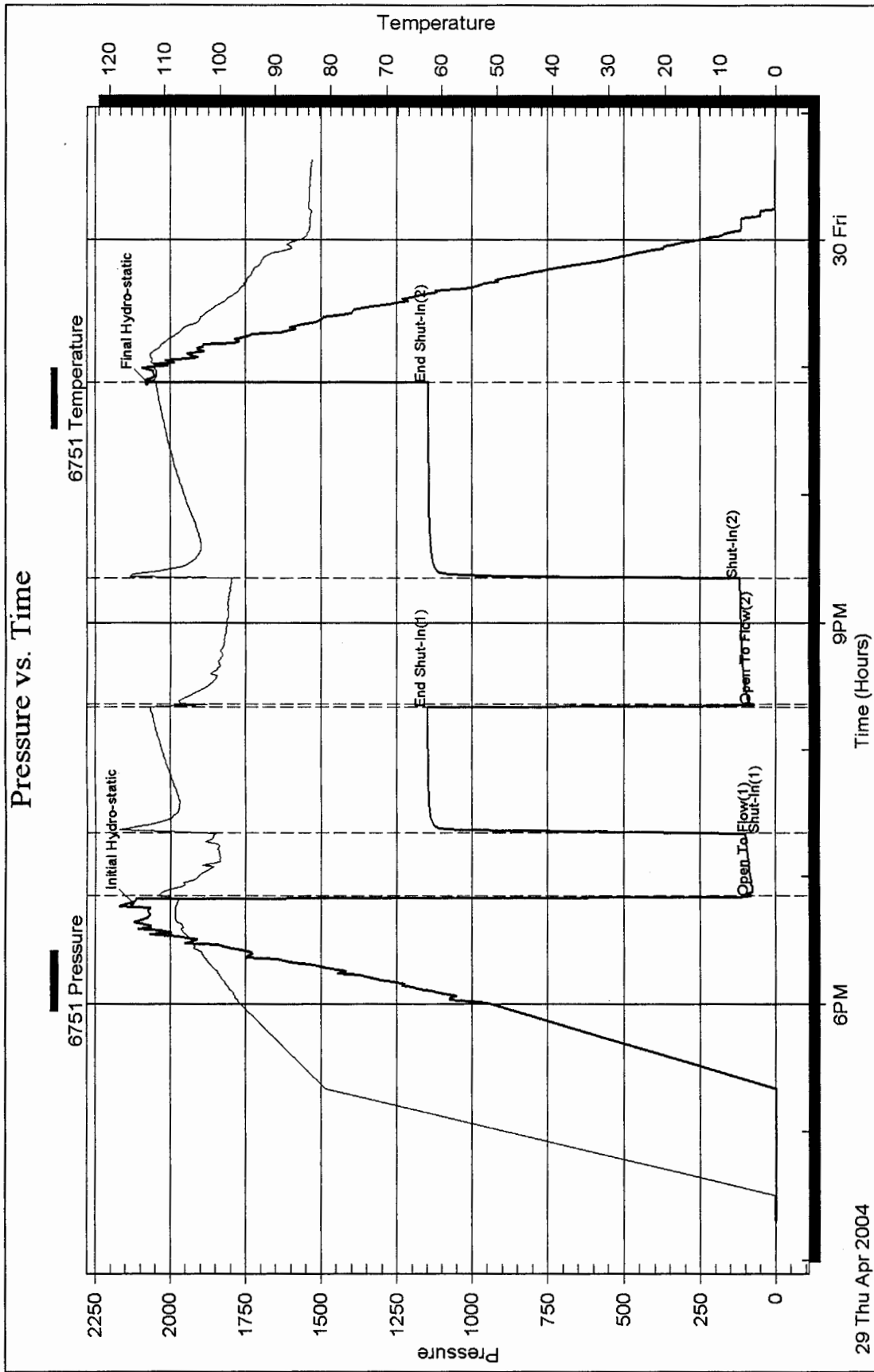
11-30s-9w Kingman

McCoy Petroleum Corporation

Inside

Serial #: 6751

Pressure vs. Time



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Ref. No: 18975

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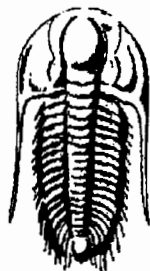


GAS VOLUME REPORT

DST #: 2

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**TRILOBITE
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DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E. Central Suite 300
Wichita, KS 67206

ATTN: Roger McCoy

11-30s-9w Kingman

Schwartz "A" #3-11

Start Date: 2004.04.30 @ 08:06:31

End Date: 2004.04.30 @ 16:47:31

Job Ticket #: 19651 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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McCoy Petroleum Corporation

Schwartz "A" #3-11

11-30s-9w Kingman

DST # 3

Mississippi

2004.04.30


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

8080 E. Central Suite 300
Wichita, KS 67206

ATTN: Roger McCoy

Schwartz "A" #3-11

11-30s-9w Kingman

Job Ticket: 19651

DST#: 3

Test Start: 2004.04.30 @ 08:06:31

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:01:31

Time Test Ended: 16:47:31

Test Type: Conventional Bottom Hole

Tester: Nathan

Unit No: 20

Interval: 4297.00 ft (KB) To 4307.00 ft (KB) (TVD)

Total Depth: 4307.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1682.00 ft (KB)

1673.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6751

Inside

Press@RunDepth: 155.27 psig @ 4298.00 ft (KB)

Start Date: 2004.04.30

End Date:

2004.04.30

Start Time: 08:06:41

End Time:

16:47:30

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2004.04.30 @ 09:57:21

Time Off Btm: 2004.04.30 @ 14:03:21

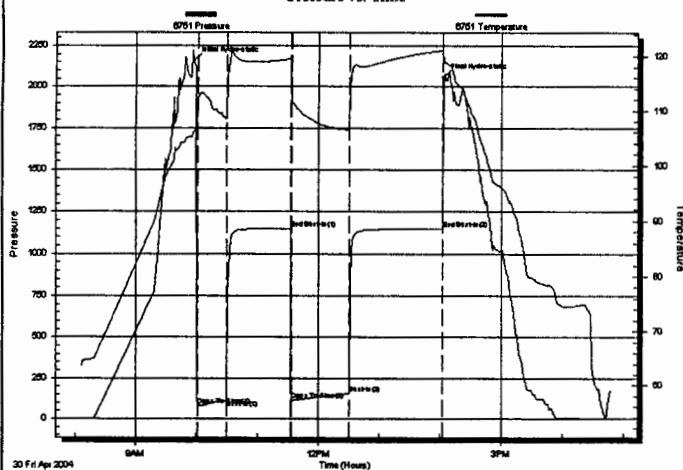
TEST COMMENT: IF- Strong blow O.B.B. in 20 seconds; GTS in 5 minutes 45 seconds

ISL- Weak surface blow

FF- Strong blow O.B.B. ASAT opened; gas immediatly

FSL- Weak surface blow

Pressure vs. Time



30 Fri Apr 2004

Time (Hours)

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2155.28	106.07	Initial Hydro-static
5	78.85	112.10	Open To Flow (1)
33	113.28	108.52	Shut-In(1)
95	1147.66	119.51	End Shut-In(1)
96	113.79	111.09	Open To Flow (2)
153	155.27	106.46	Shut-In(2)
245	1147.41	121.13	End Shut-In(2)
246	2057.59	118.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	OCM 88% mud 12% oil	0.44
120.00	OGWCM 52% mud 22% water 14% gas	120.59
180.00	Salt water	2.25

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

8080 E. Central Suite 300
Wichita, KS 67206

ATTN: Roger McCoy

Schwartz "A" #3-11

11-30s-9w Kingman

Job Ticket: 19651

DST#: 3

Test Start: 2004.04.30 @ 08:06:31

Tool Information

Drill Pipe:	Length: 4046.00 ft	Diameter: 3.80 inches	Volume: 56.75 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 74000.00 lb
		Total Volume: 57.93 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4297.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	32.00 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			4276.00	
Shut In Tool	5.00			4281.00	
Hydraulic tool	5.00			4286.00	
Safety Joint	2.00			4288.00	
Packer	4.00			4292.00	22.00 Bottom Of Top Packer
Packer	5.00			4297.00	
Stubb	1.00			4298.00	
Recorder	0.00	6751	Inside	4298.00	
Perforations	6.00			4304.00	
Recorder	0.00	13630	Outside	4304.00	
Bullnose	3.00			4307.00	10.00 Bottom Packers & Anchor

Total Tool Length: 32.00

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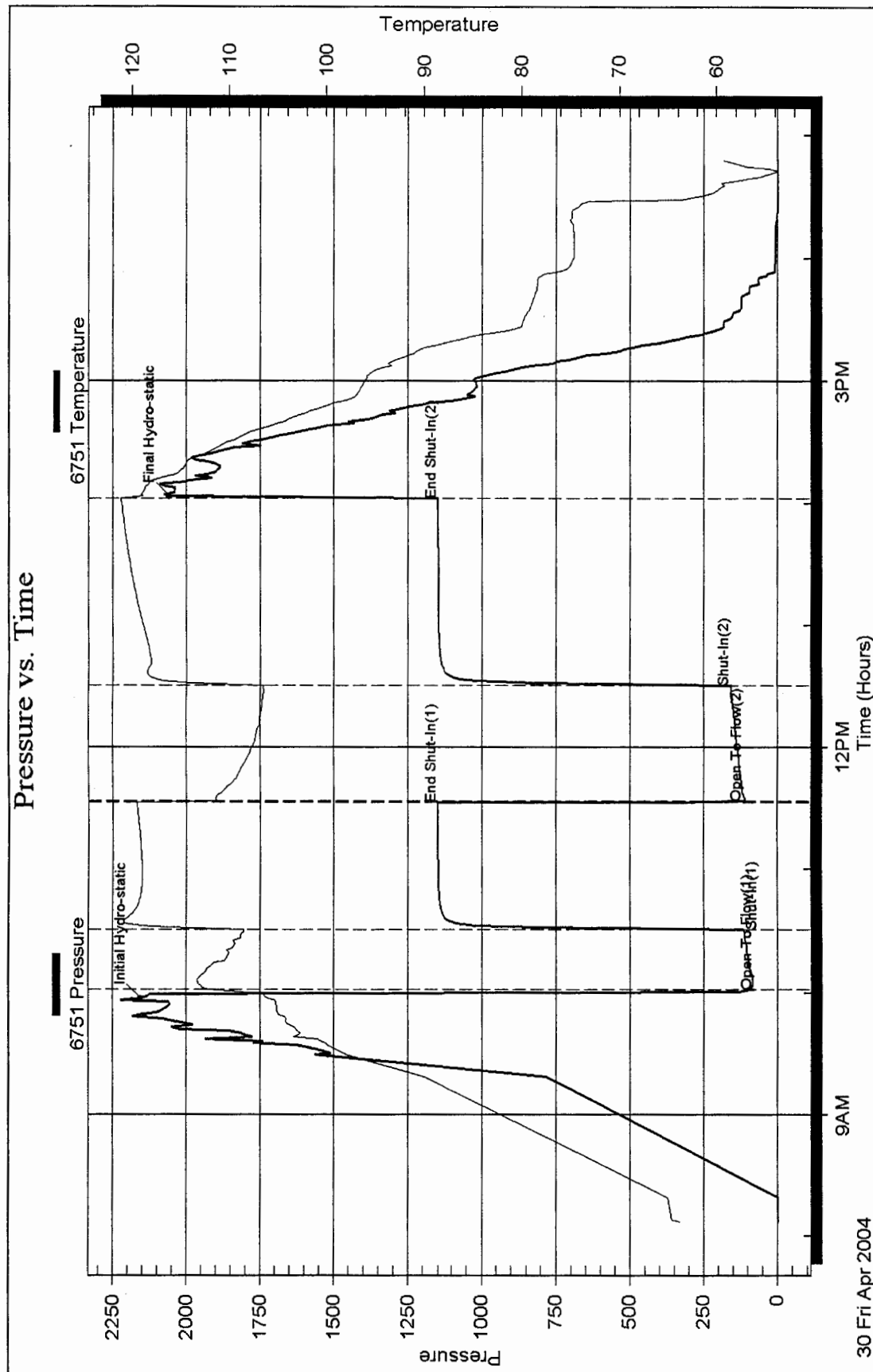
 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	McCoy Petroleum Corporation 8080 E. Central Suite 300 Wichita, KS 67206 ATTN: Roger McCoy		Schwartz "A" #3-11 11-30s-9w Kingman Job Ticket: 19651 DST#: 3 Test Start: 2004.04.30 @ 08:06:31

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:	102000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.75 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information		
Recovery Table		
Length ft	Description	Volume bbl
90.00	OCM 88% mud 12% oil	0.443
120.00	OGWCM 52% mud 22% water 14% gas 12% oil	0.590
180.00	Saltwater	2.252

Total Length: 390.00 ft	Total Volume: 3.285 bbl	
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:
Laboratory Name:	Laboratory Location:	
Recovery Comments:		

Pressure vs. Time



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GAS VOLUME REPORT

DST #: 3

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