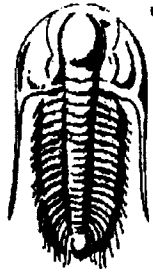


15-095-21947

3-30s-9w



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **McCoy Petl.Corp.**

8080 E. Central Ste. 300
Wichita Ks. 67206

ATTN: Chris Peters

3-30s-9w Kingman

Holgerson-Twyman #3-3

Start Date: 2005.03.02 @ 20:34:36

End Date: 2005.03.03 @ 06:30:06

Job Ticket #: 21081 DST #: 1

**RECEIVED
KANSAS CORPORATION COMMISSION**

JUN 20 2007

**CONSERVATION DIVISION
WICHITA KS**

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

McCoy Petl.Corp.

Holgerson-Twyman #3-3

3-30s-9w Kingman

DST # 1

Miss.

2005.03.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petr. Corp.
8080 E Central Ste. 300
Wichita Ks. 67206
ATTN: Chris Peters

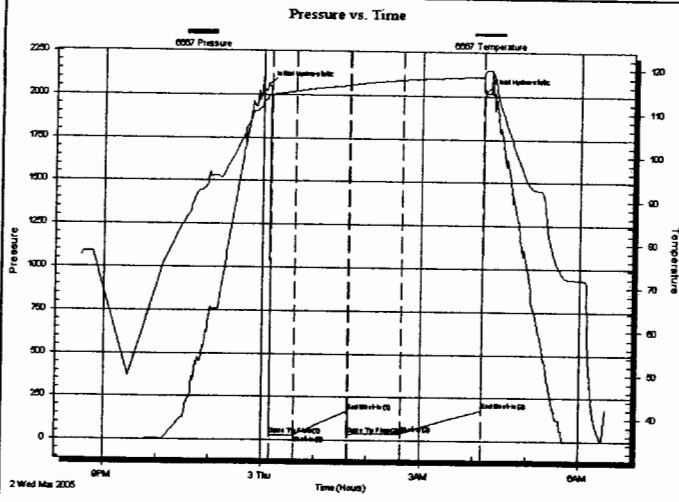
Holgerson-Twyman #3-3
3-30s-9w Kingman
Job Ticket: 21081 DST#: 1
Test Start: 2005.03.02 @ 20:34:36

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 00:08:36
Time Test Ended: 06:30:06
Interval: **4175.00 ft (KB) To 4238.00 ft (KB) (TVD)**
Total Depth: **4238.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Poor**
Test Type: **Conventional Bottom Hble**
Tester: **Gary Pevoteaux**
Unit No: **19**
Reference Elevations: **1616.00 ft (KB)**
1607.00 ft (CF)
KB to GR/CF: **9.00 ft**

Serial #: 6667 **Inside**
Press@RunDepth: **40.98 psig @ 4176.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2005.03.02** End Date: **2005.03.03** Last Calib.: **2005.03.03**
Start Time: **20:34:41** End Time: **06:30:06** Time On Btm: **2005.03.03 @ 00:05:21**
Time Off Btm: **2005.03.03 @ 04:12:36**

TEST COMMENT: IF: Weak to fair blow. Slow increase to 6".
IS: No blow.
FF: Fair blow. 3 - 6 1/2".
FS: No blow.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2057.06	113.82	Initial Hydro-static
4	26.63	113.40	Open To Flow (1)
32	31.98	114.77	Shut-In(1)
93	171.39	116.15	End Shut-In(1)
94	35.25	116.21	Open To Flow (2)
154	40.98	117.49	Shut-In(2)
245	177.57	118.47	End Shut-In(2)
248	2020.86	119.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Drig. mud oil show @ top of tool	0.30
0.00	310 ft. of GP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petl. Corp.
8080 E. Central Ste. 300
Wichita Ks. 67206
ATTN: Chris Peters

Holgerson-Twyman #3-3
3-30s-9w Kingman
Job Ticket: 21081 DST#: 1
Test Start: 2005.03.02 @ 20:34:36

Tool Information

Drill Pipe:	Length: 3921.00 ft	Diameter: 3.80 inches	Volume: 55.00 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: 244.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 72000.00 lb
		Total Volume: 56.20 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4175.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	83.00 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			4156.00	
Shut In Tool	5.00			4161.00	
Hydraulic tool	5.00			4166.00	
Packer	4.00			4170.00	20.00 Bottom Of Top Packer
Packer	5.00			4175.00	
Stubb	1.00			4176.00	
Recorder	0.00	6667	Inside	4176.00	
Perforations	4.00			4180.00	
Change Over Sub	1.00			4181.00	
Blank Spacing	32.00			4213.00	
Change Over Sub	1.00			4214.00	
Perforations	21.00			4235.00	
Recorder	0.00	11019		4235.00	
Bullnose	3.00			4238.00	63.00 Bottom Packers & Anchor

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petl. Corp.

Holgerson-Twyman #3-3

8080 E Central Ste. 300
Wichita Ks. 67206

3-30s-9w Kingman

Job Ticket: 21081

DST#: 1

ATTN: Chris Peters

Test Start: 2005.03.02 @ 20:34:36

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:

5000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbf

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	Drig.mud oil show @ top of tool	0.295
0.00	310 ft. of GIP	0.000

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6667

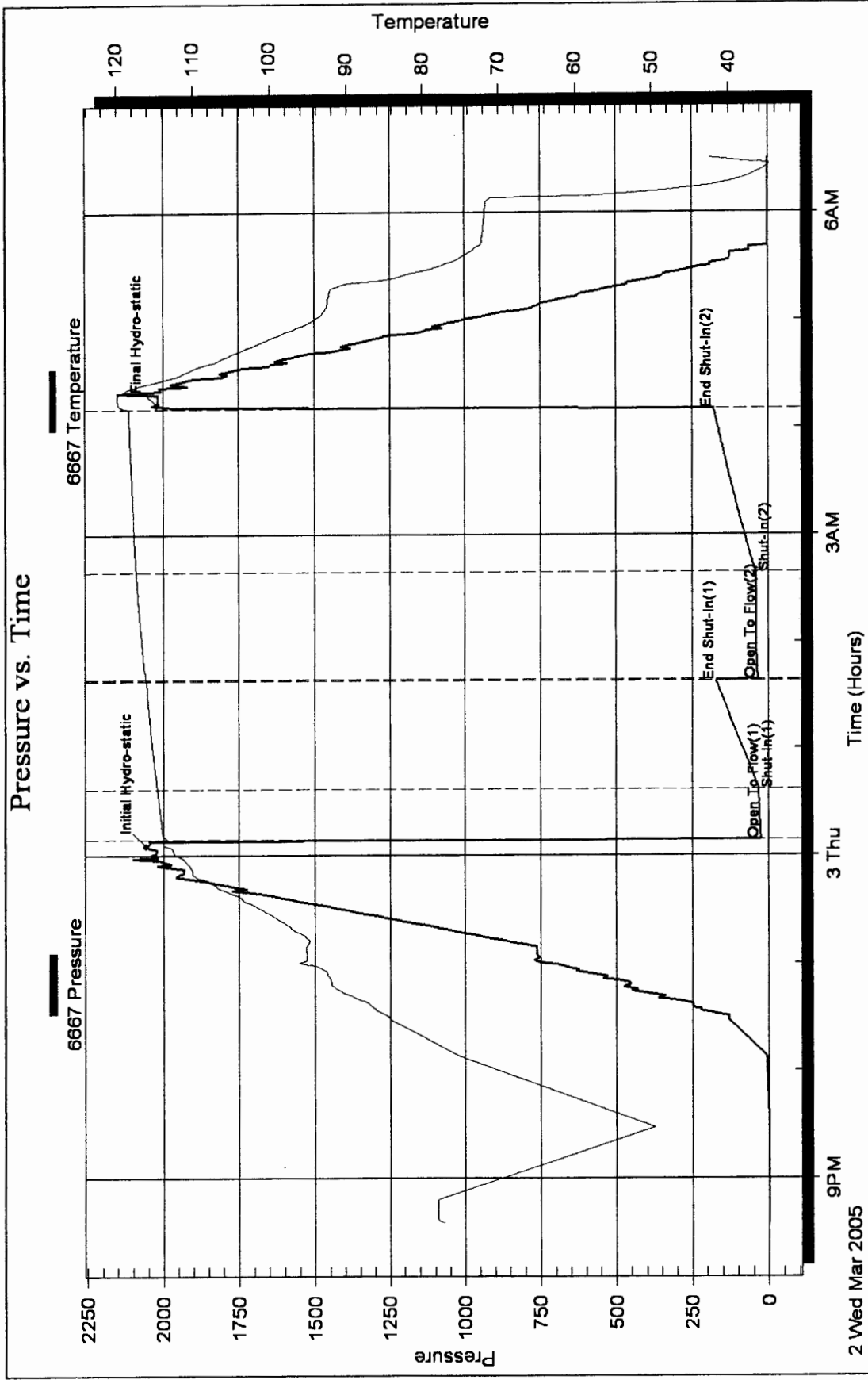
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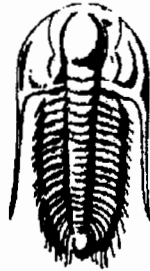
McCoy Refl. Corp.

3-30s-9w Kingman

DST Test Number: 1

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **McCoy Petl.Corp.**

8080 E. Central Ste.300
Wichita Ks.67206

ATTN: Chris Peters

3-30s-9w Kingman

Holgerson-Twyman #3-3

Start Date: 2005.03.04 @ 00:37:27

End Date: 2005.03.04 @ 09:35:57

Job Ticket #: 21082 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

McCoy Petl.Corp.

Holgerson-Twyman #3-3

3-30s-9w Kingman

DST # 2

Miss.

2005.03.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petl. Corp.
8080 E. Central Ste. 300
Wichita Ks. 67206
ATTN: Chris Peters

Holgerson-Twyman #3-3
3-30s-9w Kingman
Job Ticket: 21082 **DST#: 2**
Test Start: 2005.03.04 @ 00:37:27

Tool Information

Drill Pipe:	Length: 3985.00 ft	Diameter: 3.80 inches	Volume: 55.90 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: 244.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 57.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4234.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	106.00 ft			
Tool Length:	126.00 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			4215.00	
Shut In Tool	5.00			4220.00	
Hydraulic tool	5.00			4225.00	
Packer	4.00			4229.00	20.00 Bottom Of Top Packer
Packer	5.00			4234.00	
Stubb	1.00			4235.00	
Recorder	0.00	6667	Inside	4235.00	
Perforations	4.00			4239.00	
Change Over Sub	1.00			4240.00	
Blank Spacing	93.00			4333.00	
Change Over Sub	1.00			4334.00	
Perforations	3.00			4337.00	
Recorder	0.00	11019		4337.00	
Bullnose	3.00			4340.00	106.00 Bottom Packers & Anchor

Total Tool Length: 126.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petl. Corp.
8080 E. Central Ste. 300
Wichita Ks. 67206
ATTN: Chris Peters

Holgerson-Twyman #3-3
3-30s-9w Kingman
Job Ticket: 21082 DST#: 2
Test Start: 2005.03.04 @ 00:37:27

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:	104000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.17 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.20 inches			

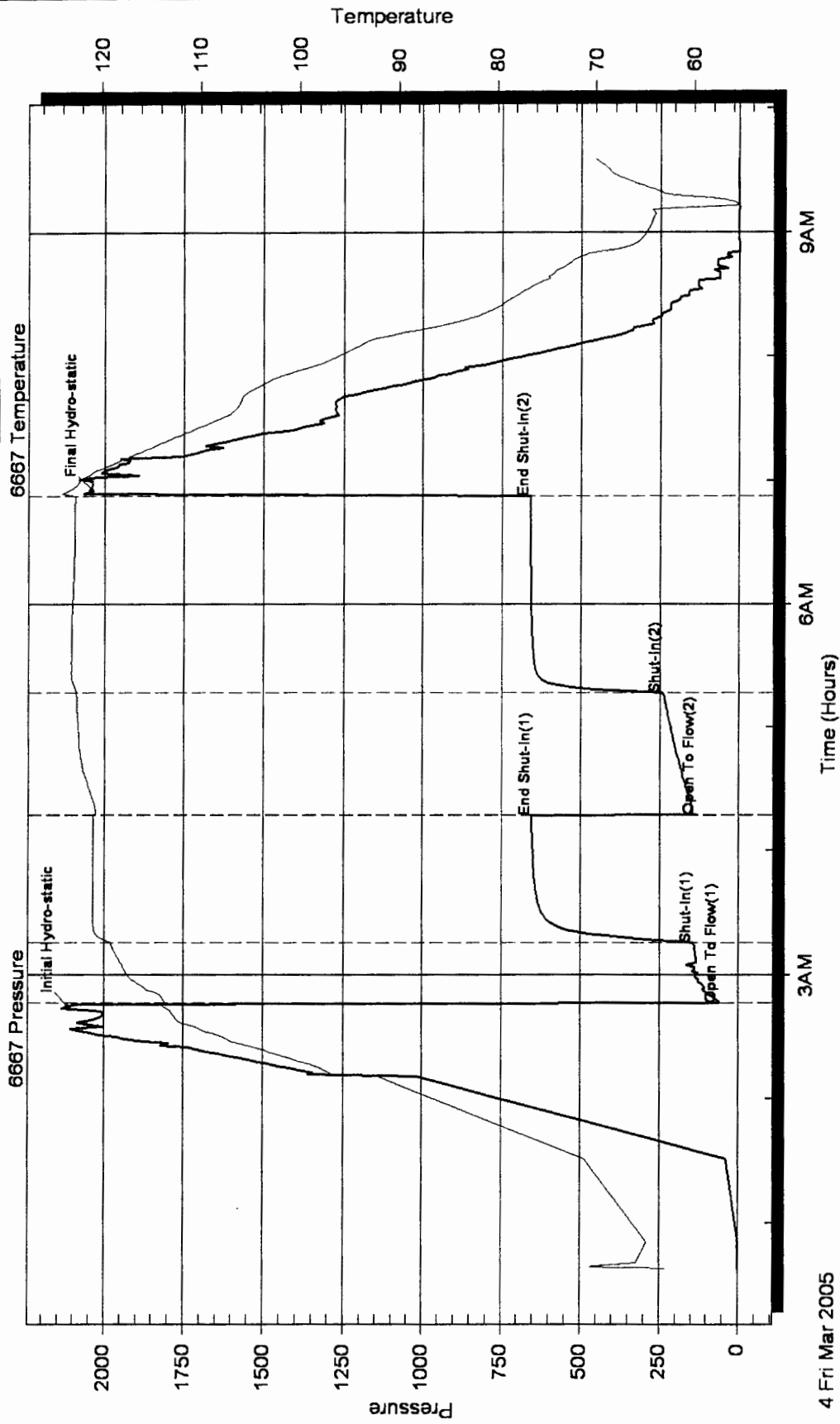
Recovery Information

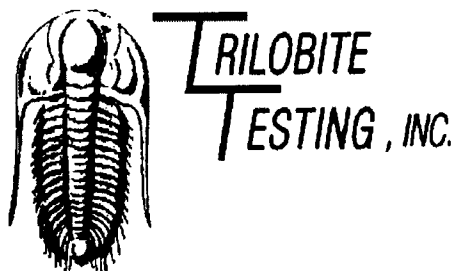
Recovery Table

Length ft	Description	Volume bbl
385.00	M/V w/o specs 5% <i>m</i> 95% <i>w</i> R _w .098 ohms	3.178
0.00	@ 55 deg. F	0.000
125.00	SO&GC, VMM <1% <i>o</i> 5% <i>g</i> 24% <i>w</i> 70% <i>m</i>	1.753
100.00	GCM 15% <i>g</i> 85% <i>m</i>	1.403

Total Length: 610.00 ft Total Volume: 6.334 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: gp-2
 Laboratory Name: Caraway Laboratory Location: Liberal, KS
 Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **McCoy Petl.Corp.**

8080 E. Central Ste.300
Wichita Ks.67206

ATTN: Chris Peters

3-30s-9w Kingman

Holgerson-Twyman #3-3

Start Date: 2005.03.04 @ 10:47:02

End Date: 2005.03.04 @ 16:41:32

Job Ticket #: 21083 DST #: 3

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

McCoy Petl.Corp.

Holgerson-Twyman #3-3

3-30s-9w Kingman

DST # 3

Miss.

2005.03.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petl. Corp.
8080 E Central Ste. 300
Wichita Ks. 67206
ATTN: Chris Peters

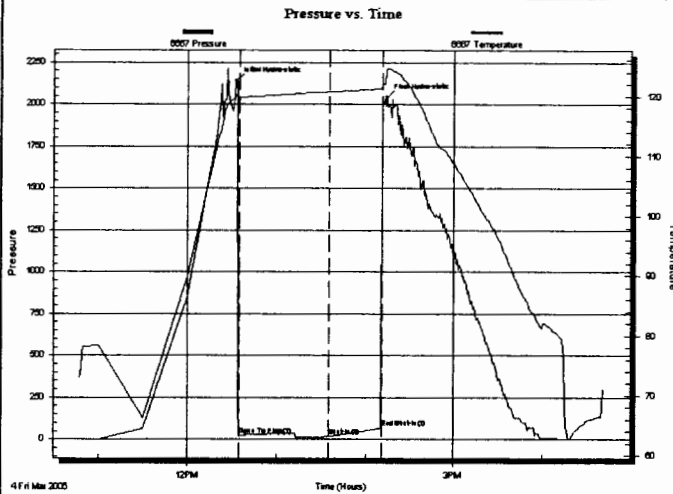
Holgerson-Twyman #3-3
3-30s-9w Kingman
Job Ticket: 21083 DST#: 3
Test Start: 2005.03.04 @ 10:47:02

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: **No** Whipstock: ft (KB)
Test Type: **Conventional Straddle**
Time Tool Opened: 12:35:17 Tester: **Gary Fevoteaux**
Time Test Ended: 16:41:32 Unit No: **19**
Interval: **4233.00 ft (KB) To 4250.00 ft (KB) (TVD)** Reference Elevations: 1616.00 ft (KB)
Total Depth: **4340.00 ft (KB) (TVD)** 1607.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Poor** KB to GR/CF: **9.00 ft**

Serial #: 6667 **Inside**
Press@RunDepth: **16.79 psig @ 4234.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2005.03.04** End Date: **2005.03.04** Last Calib.: **2005.03.04**
Start Time: **10:47:07** End Time: **16:41:31** Time On Btm: **2005.03.04 @ 12:33:02**
Time Off Btm: **2005.03.04 @ 14:14:02**

TEST COMMENT: **F:Fair blow . 3 - 10"**
I:No blow .
FF:none
FSt:none



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.06	119.89	Initial Hydro-static
3	25.24	119.80	Open To Flow (1)
62	16.79	120.69	Shut-In(1)
98	68.91	121.21	End Shut-In(1)
101	2043.28	124.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Heavy mud	0.02
0.00	330 ft. of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petl. Corp.

Holgerson-Twyman #3-3

8080 E Central Ste. 300
Wichita Ks. 67206

3-30s-9w Kingman

Job Ticket: 21083

DST#: 3

ATTN: Chris Peters

Test Start: 2005.03.04 @ 10:47:02

Tool Information

Drill Pipe:	Length: 3984.00 ft	Diameter: 3.80 inches	Volume: 55.89 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: 244.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 110000.0 lb
		Total Volume: 57.09 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4233.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	4250.00 ft			
Interval between Packers:	17.00 ft			
Tool Length:	127.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4214.00	
Shut In Tool	5.00			4219.00	
Hydraulic tool	5.00			4224.00	
Packer	4.00			4228.00	20.00 Bottom Of Top Packer
Packer	5.00			4233.00	
Stubb	1.00			4234.00	
Recorder	0.00	6667	Inside	4234.00	
Perforations	11.00			4245.00	
Recorder	0.00	13222	Outside	4245.00	
Blank Off Sub	1.00			4246.00	
travel collar	4.00			4250.00	17.00 Tool Interval
Packer	0.00			4250.00	
Stubb	1.00			4251.00	
Perforations	21.00			4272.00	
Change Over Sub	1.00			4273.00	
Blank Spacing	63.00			4336.00	
Change Over Sub	1.00			4337.00	
Recorder	0.00	11019	Below	4337.00	
Bullnose	3.00			4340.00	90.00 Bottom Packers & Anchor

Total Tool Length: 127.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petl. Corp.

Holgerson-Twyman #3-3

8080 E Central Ste. 300
Wichita Ks. 67206

3-30s-9w Kingman

Job Ticket: 21083

DST#: 3

ATTN: Chris Peters

Test Start: 2005.03.04 @ 10:47:02

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:

5000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
4.00	Heavy mud	0.020
0.00	330 ft. of GIP	0.000

Total Length: 4.00 ft

Total Volume: 0.020 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

