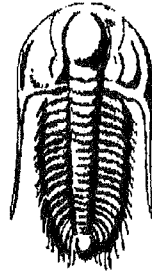


15-097-21635

11-29s-19w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E Central Ste 300
Wichita KS 67206-2366

CONFIDENTIAL
AUG 11 2008
KCC

ATTN: Terry Mcleod

11 29S 19W Kiowa KS

Unruh C # 1-11

Start Date: 2008.04.22 @ 11:26:15

End Date: 2008.04.22 @ 20:10:00

Job Ticket #: 30147 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION
AUG 13 2008
CONSERVATION DIVISION
WICHITA, KS

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

McCoy Petroleum Corporation

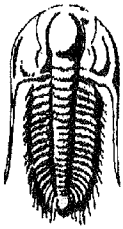
Unruh C # 1-11

11 29S 19W Kiowa KS

DST # 1

Lansing H

2008.04.22



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

Unruh C # 1-11

8080 E Central Ste 300
Wichita KS 67206-2366

11 29S 19W Kiowa KS

ATTN: Terry Mcleod

Job Ticket: 30147

DST#: 1

Test Start: 2008.04.22 @ 11:26:15

GENERAL INFORMATION:

Formation: **Lansing H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:04:45

Time Test Ended: 20:10:00

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **4545.00 ft (KB) To 4575.00 ft (KB) (TVD)**

Reference Elevations: 2326.00 ft (KB)

Total Depth: 4575.00 ft (KB) (TVD)

2313.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 6668 Inside

Press@RunDepth: 72.87 psig @ 4545.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2008.04.22

End Date: 2008.04.22

Last Calib.: 2008.04.22

Start Time: 11:26:20

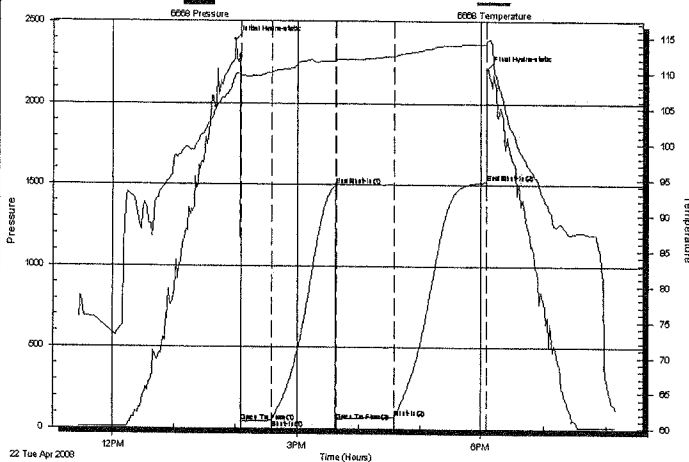
End Time: 20:10:00

Time On Btm: 2008.04.22 @ 13:59:30

Time Off Btm: 2008.04.22 @ 18:05:45

TEST COMMENT: IF Weak blow Building to 6" in 30 mins.
ISI Bled off No blow back
FF Strong blow BOB in 30 secs.
FSI Bled off No blow back

Pressure vs. Time



PRESSURE SUMMARY

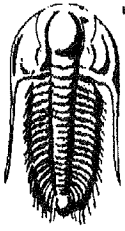
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2391.55	109.80	Initial Hydro-static
6	40.73	109.40	Open To Flow (1)
36	50.89	110.11	Shut-In(1)
97	1496.50	111.69	End Shut-In(1)
98	46.46	111.88	Open To Flow (2)
155	72.87	112.39	Shut-In(2)
246	1517.84	114.12	End Shut-In(2)
247	2209.89	114.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	GOCM 2%G 1%O 97%M	0.15
60.00	GWMw /scum of O 6%G 24%W 70%M	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

Unruh C # 1-11

8080 E Central Ste 300
Wichita KS 67206-2366

11 29S 19W Kiowa KS

Job Ticket: 30147

DST#: 1

ATTN: Terry Mcleod

Test Start: 2008.04.22 @ 11:26:15

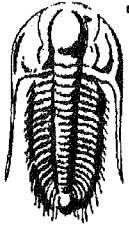
Tool Information

Drill Pipe:	Length: 249.00 ft	Diameter: 3.80 inches	Volume: 3.49 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: 4276.00 ft	Diameter: 2.25 inches	Volume: 21.03 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 24.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 84000.00 lb
Depth to Top Packer:	4545.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	53.00 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			4527.00	
Hydraulic tool	5.00			4532.00	
Safety Joint	3.00			4535.00	
Packer	5.00			4540.00	23.00 Bottom Of Top Packer
Packer	5.00			4545.00	
Recorder	0.00	8359	Inside	4545.00	
Recorder	0.00	6668	Inside	4545.00	
Perforations	27.00			4572.00	
Bullnose	3.00			4575.00	30.00 Bottom Packers & Anchor
Total Tool Length:	53.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

Unruh C # 1-11

8080 E Central Ste 300
Wichita KS 67206-2366

11 29S 19W Kiowa KS

Job Ticket: 30147

DST#: 1

ATTN: Terry Mcleod

Test Start: 2008.04.22 @ 11:26:15

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:

23000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.30 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	GOCM 2%G 1%O 97%M	0.148
60.00	GWMw /scum of O 6%G 24%W 70%M	0.295

Total Length: 90.00 ft

Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

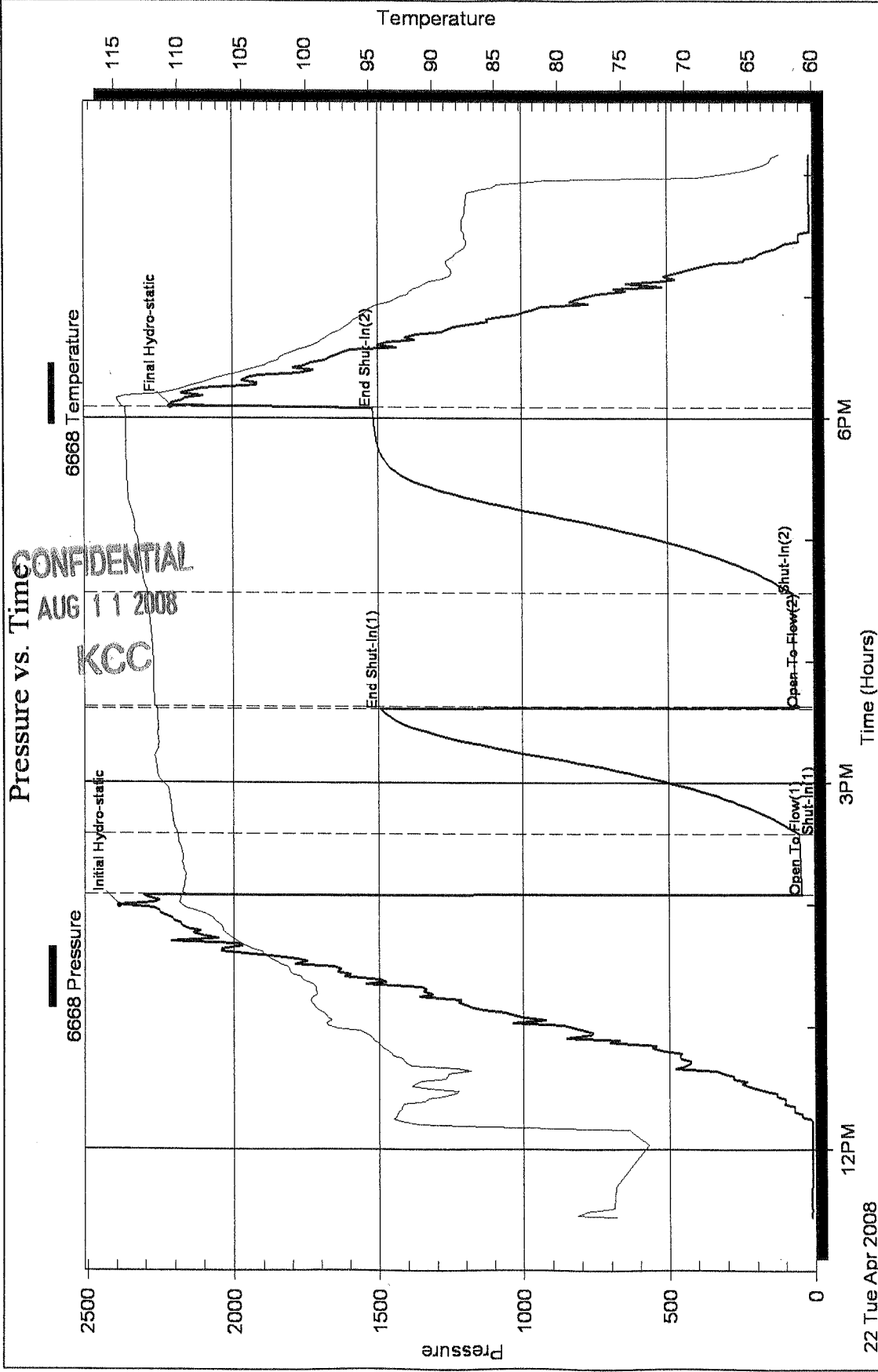
Serial #:

Laboratory Name:

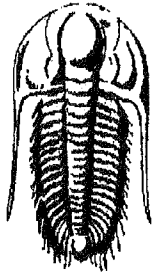
Laboratory Location:

Recovery Comments:

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22 Tue Apr 2008



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E Central Ste 300
Wichita KS 67206-2366

ATTN: Terry Mcleod

11 29S 19W Kiowa KS

Unruh C # 1-11

Start Date: 2008.04.24 @ 09:15:15

End Date: 2008.04.24 @ 17:40:00

Job Ticket #: 30148 DST #: 2

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KCC

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

McCoy Petroleum Corporation

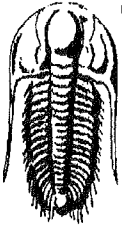
Unruh C # 1-11

11 29S 19W Kiowa KS

DST # 2

m

2008.04.24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

Unruh C # 1-11

8080 E Central Ste 300
Wichita KS 67206-2366

11 29S 19W Kiowa KS

Job Ticket: 30148

DST#: 2

ATTN: Terry Mcleod

Test Start: 2008.04.24 @ 09:15:15

GENERAL INFORMATION:

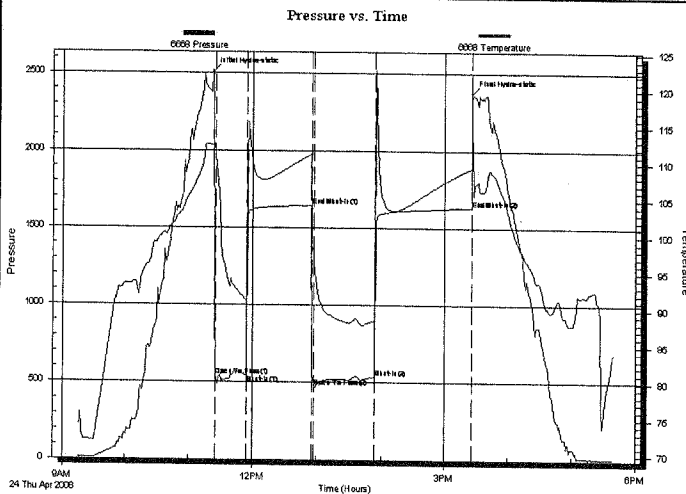
Formation: **m**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 11:25:30
 Time Test Ended: 17:40:00
 Interval: **4926.00 ft (KB) To 4960.00 ft (KB) (TVD)**
 Total Depth: **4960.00 ft (KB) (TVD)**
 Hole Diameter: **7.80 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Travy Cushenbery**
 Unit No: **30**
 Reference Elevations: **2326.00 ft (KB)**
2313.00 ft (CF)
 KB to GR/CF: **13.00 ft**

Serial #: 6668

Inside

Press@RunDepth: **534.29 psig @ 4926.00 ft (KB)**
 Start Date: **2008.04.24** End Date: **2008.04.24** Capacity: **7000.00 psig**
 Start Time: **09:15:20** End Time: **17:39:59** Last Calib.: **2008.04.24**
 Time On Btm: **2008.04.24 @ 11:22:45**
 Time Off Btm: **2008.04.24 @ 15:26:00**

TEST COMMENT: IF Strong blow BOB in 15 secs. GTS in 3 mins. See gas report
 ISI Bled off No blow back
 FF Strong blow BOB immediately GTS See gas report
 FSI Bled off No blow back



PRESSURE SUMMARY

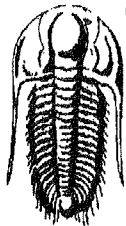
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2508.14	112.49	Initial Hydro-static
3	537.63	111.53	Open To Flow (1)
33	548.08	91.10	Shut-In(1)
93	1644.55	111.31	End Shut-In(1)
95	474.90	96.49	Open To Flow (2)
152	534.29	88.41	Shut-In(2)
243	1627.13	109.39	End Shut-In(2)
244	2371.75	113.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GM 2%G 98%M	0.30
60.00	GWM 2%G 3%W 95%M	0.30
60.00	GM 3%G 97%M	0.30
70.00	GM 5%G 95%M	0.35

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

Unruh C # 1-11

8080 E Central Ste 300
Wichita KS 67206-2366

11 29S 19W Kiowa KS

Job Ticket: 30148

DST#: 2

ATTN: Terry Mcleod

Test Start: 2008.04.24 @ 09:15:15

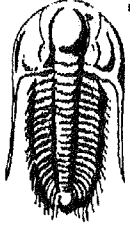
Tool Information

Drill Pipe:	Length: 4659.00 ft	Diameter: 3.80 inches	Volume: 65.35 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: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 66.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 87000.00 lb
Depth to Top Packer:	4926.00 ft			Final 88000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	57.00 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			4908.00	
Hydraulic tool	5.00			4913.00	
Safety Joint	3.00			4916.00	
Packer	5.00			4921.00	23.00 Bottom Of Top Packer
Packer	5.00			4926.00	
Recorder	0.00	8359	Inside	4926.00	
Recorder	0.00	6668	Inside	4926.00	
Perforations	31.00			4957.00	
Bullnose	3.00			4960.00	34.00 Bottom Packers & Anchor
Total Tool Length:	57.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

Unruh C # 1-11

8080 E Central Ste 300
Wichita KS 67206-2366

11 29S 19W Kiowa KS

Job Ticket: 30148

DST#: 2

ATTN: Terry Mcleod

Test Start: 2008.04.24 @ 09:15:15

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GM 2%G 98%M	0.295
60.00	GWM 2%G 3%W 95%M	0.295
60.00	GM 3%G 97%M	0.295
70.00	GM 5%G 95%M	0.353

Total Length: 250.00 ft

Total Volume: 1.238 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

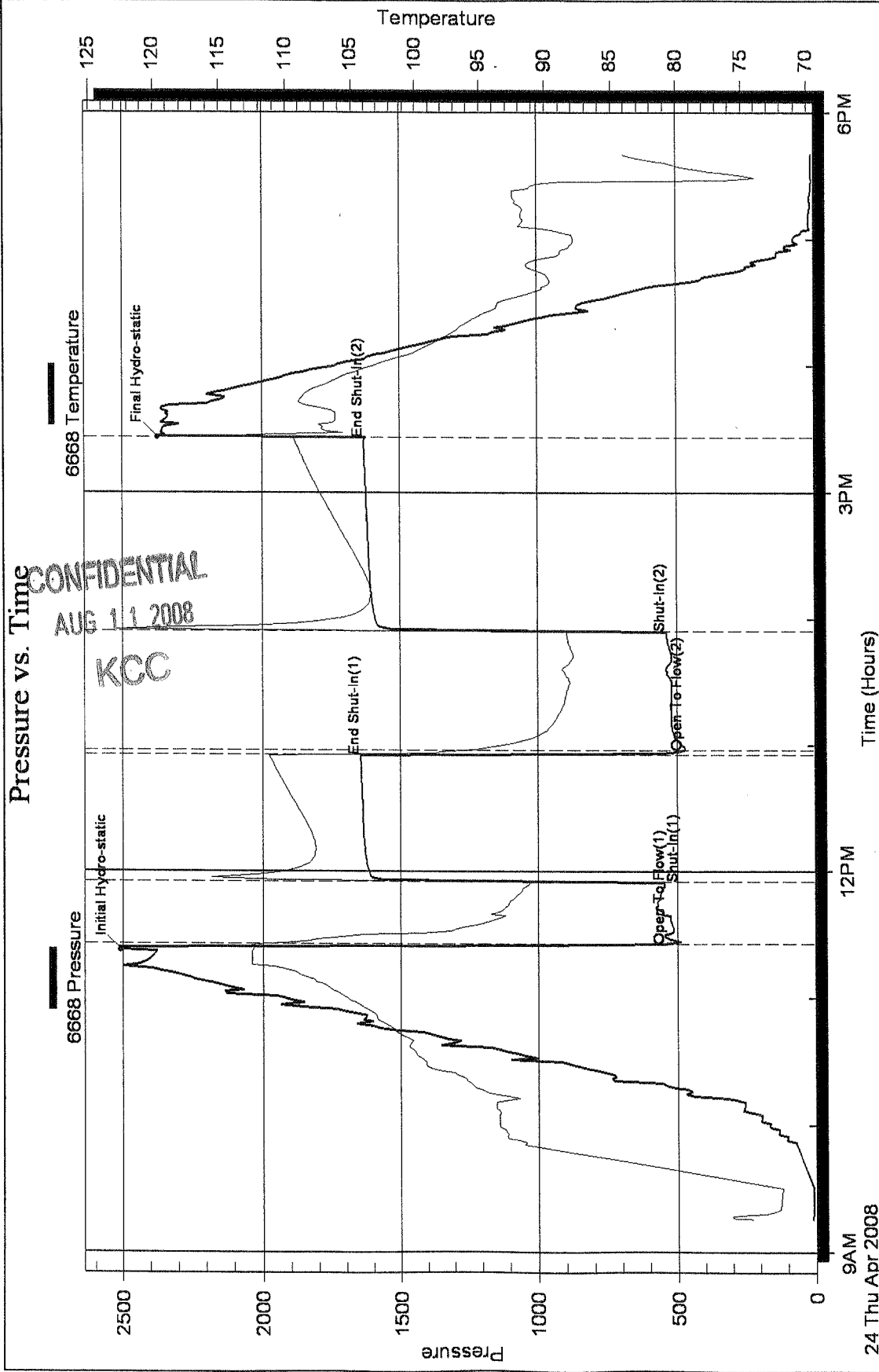
Laboratory Name:

Laboratory Location:

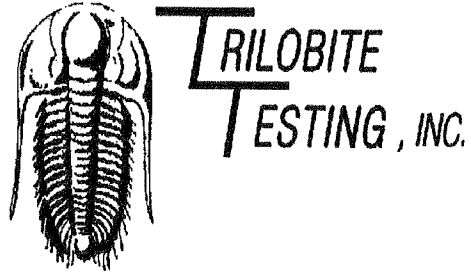
Recovery Comments:

Pressure vs. Time

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24 Thu Apr 2008 9AM



DRILL STEM TEST REPORT

CONFIDENTIAL
AUG 11 2008
KCC

Prepared For: **McCoy Petroleum Corporation**

8080 E Central Ste 300
Wichita KS 67206-2366

ATTN: Terry Mcleod

11 29S 19W Kiowa KS

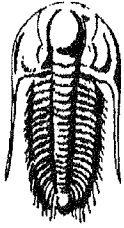
Unruh C # 1-11

Start Date: 2008.04.25 @ 03:39:54

End Date: 2008.04.25 @ 12:52:54

Job Ticket #: 30149 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 Corporation

Unruh C # 1-11

8080 E Central Ste 300
Wichita KS 67206-2366

11 29S 19W Kiowa KS

Job Ticket: 30149

DST#: 3

ATTN: Terry Mcleod

Test Start: 2008.04.25 @ 03:39:54

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:40:54

Time Test Ended: 12:52:54

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **4999.00 ft (KB) To 5021.00 ft (KB) (TVD)**

Total Depth: 5021.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2326.00 ft (KB)

2313.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6668

Inside

Press@RunDepth: 29.02 psig @ 4999.00 ft (KB)

Start Date: 2008.04.25

End Date:

2008.04.25

Capacity: 7000.00 psig

Last Calib.: 2008.04.25

Start Time: 03:39:59

End Time:

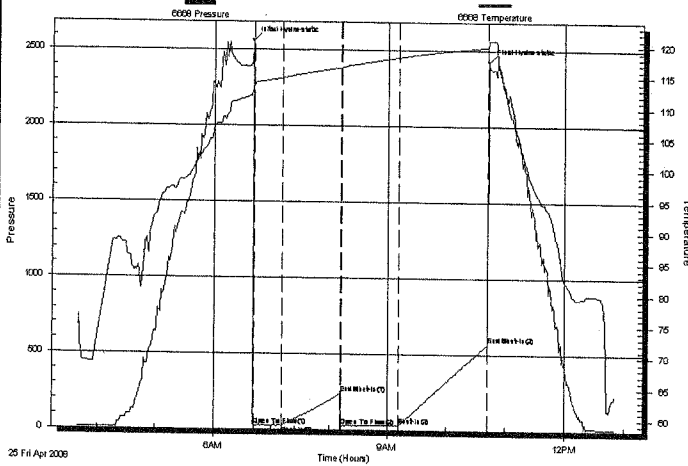
12:52:54

Time On Btm: 2008.04.25 @ 06:39:54

Time Off Btm: 2008.04.25 @ 10:42:54

TEST COMMENT: IF Weak blow Building to 6 3/4 " in 30 mins.
ISI Bled off No blow back
FF Weak blow Building to 8 1/2 " in 60 mins.
FSI Bled off No blow back

Pressure vs. Time



PRESSURE SUMMARY

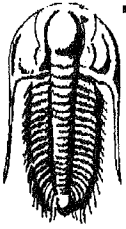
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2561.60	112.54	Initial Hydro-static
1	24.47	113.58	Open To Flow (1)
31	26.01	114.84	Shut-In(1)
92	237.34	116.53	End Shut-In(1)
92	23.52	116.51	Open To Flow (2)
151	29.02	118.17	Shut-In(2)
243	567.26	119.91	End Shut-In(2)
243	2427.99	120.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	GsyMw /scum of Oil 2%G 98%M	0.22
0.00		0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

Unruh C # 1-11

8080 E Central Ste 300
Wichita KS 67206-2366

11 29S 19W Kiowa KS

ATTN: Terry Mcleod

Job Ticket: 30149

DST#: 3

Test Start: 2008.04.25 @ 03:39:54

Tool Information

Drill Pipe:	Length: 4757.00 ft	Diameter: 3.80 inches	Volume: 66.73 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: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 67.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 88000.00 lb
Depth to Top Packer:	4999.00 ft			Final 88000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Shut In Tool	5.00			4981.00	
Hydraulic tool	5.00			4986.00	
Safety Joint	3.00			4989.00	
Packer	5.00			4994.00	23.00 Bottom Of Top Packer
Packer	5.00			4999.00	
Recorder	0.00	8359	Inside	4999.00	
Recorder	0.00	6668	Inside	4999.00	
Perforations	19.00			5018.00	
Bullnose	3.00			5021.00	22.00 Bottom Packers & Anchor
Total Tool Length:	45.00				

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

Unruh C # 1-11

8080 E Central Ste 300
Wichita KS 67206-2366

11 29S 19W Kiowa KS

Job Ticket: 30149

DST#: 3

ATTN: Terry Mcleod

Test Start: 2008.04.25 @ 03:39:54

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	GsyMw/scum of Oil 2%G 98%M	0.221
0.00		0.000

Total Length: 45.00 ft

Total Volume: 0.221 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

