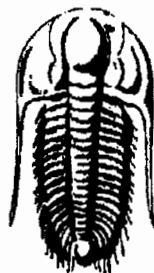


KGS

15-047-21546



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central Ste 300
Wichita KS 67296

ATTN: Tim Priest

11 26 19W Edwards KS

#2-11 Titus A

Start Date: 2007.02.05 @ 00:12:31

End Date: 2007.02.05 @ 10:52:16

Job Ticket #: 26903 DST #: 1

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CONFIDENTIAL

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

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WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Petroleum

#2-11 Titus A

8080 E Central Ste 300
Wichita KS 67296

11 26 19W Edwards KS

ATTN: Tim Priest

Job Ticket: 26903

DST#: 1

Test Start: 2007.02.05 @ 00:12:31

GENERAL INFORMATION:

Formation: **Queen Hill**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:19:46

Time Test Ended: 10:52:16

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 19

Interval: **3888.00 ft (KB) To 3916.00 ft (KB) (TVD)**

Total Depth: 3916.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2219.00 ft (KB)

2208.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **6752**

Inside

Press@RunDepth: 350.71 psig @ 3889.00 ft (KB)

Start Date: 2007.02.05

End Date:

2007.02.05

Start Time: 00:12:36

End Time:

10:52:16

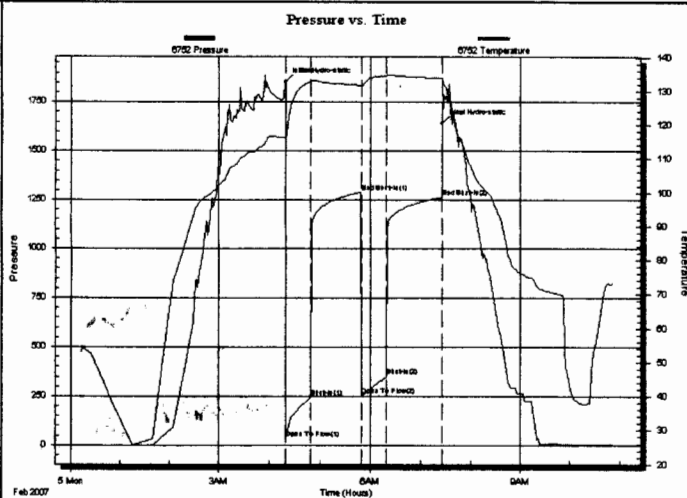
Capacity: 7000.00 psig

Last Calib.: 2007.02.05

Time On Btm: 2007.02.05 @ 04:19:16

Time Off Btm: 2007.02.05 @ 07:26:00

TEST COMMENT: IF Strong Blow BOB in 8 minutes
ISI Bled Off No Blow back
FF Strong Blow BOB in 20 minutes
FSI Bled Off No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1854.22	116.40	Initial Hydro-static
1	35.56	116.16	Open To Flow (1)
31	243.49	132.80	Shut-In (1)
91	1290.85	131.76	End Shut-In (1)
91	253.45	131.45	Open To Flow (2)
121	350.71	134.61	Shut-In (2)
187	1264.06	133.91	End Shut-In (2)
187	1640.51	134.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
608.00	Muddy Water 36%M 64%W	6.27

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum

#2-11 Titus A

8080 E Central Ste 300
Wichita KS 67296

11 26 19W Edwards KS

Job Ticket: 26903

DST#: 1

ATTN: Tim Priest

Test Start: 2007.02.05 @ 00:12:31

Tool Information

Drill Pipe:	Length: 3637.00 ft	Diameter: 3.80 inches	Volume: 51.02 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	70000.00 lb
			Total Volume: 52.24 bbl	Tool Chased	ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	3888.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	48.00 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			3869.00	
Shut in Tool	5.00			3874.00	
Hydraulic tool	5.00			3879.00	
Packer	5.00			3884.00	20.00 Bottom Of Top Packer
Packer	4.00			3888.00	
Stubb	1.00			3889.00	
Recorder	0.00	6752	Inside	3889.00	
Perforations	24.00			3913.00	
Recorder	0.00	6704	Outside	3913.00	
Bullnose	3.00			3916.00	28.00 Bottom Packers & Anchor
Total Tool Length:	48.00				

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WICHITA, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum

#2-11 Titus A

8080 E Central Ste 300
Wichita KS 67296

11 26 19W Edwards KS

Job Ticket: 26903

DST#: 1

ATTN: Tim Priest

Test Start: 2007.02.05 @ 00:12:31

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:

400 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
608.00	Muddy Water 36%M 64%W	6.269

Total Length: 608.00 ft

Total Volume: 6.269 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

McCoy Petroleum
8080 E Central Ste 300
Wichita KS 67296

#2-11 Titus A

11 26 19W Edwards KS

Job Ticket: 26903

DST#: 1

ATTN: Tim Priest

Test Start: 2007.02.05 @ 00:12:31

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)
		0.00	0.00	0.00

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WICHITA, KS

DST Test Number: 1

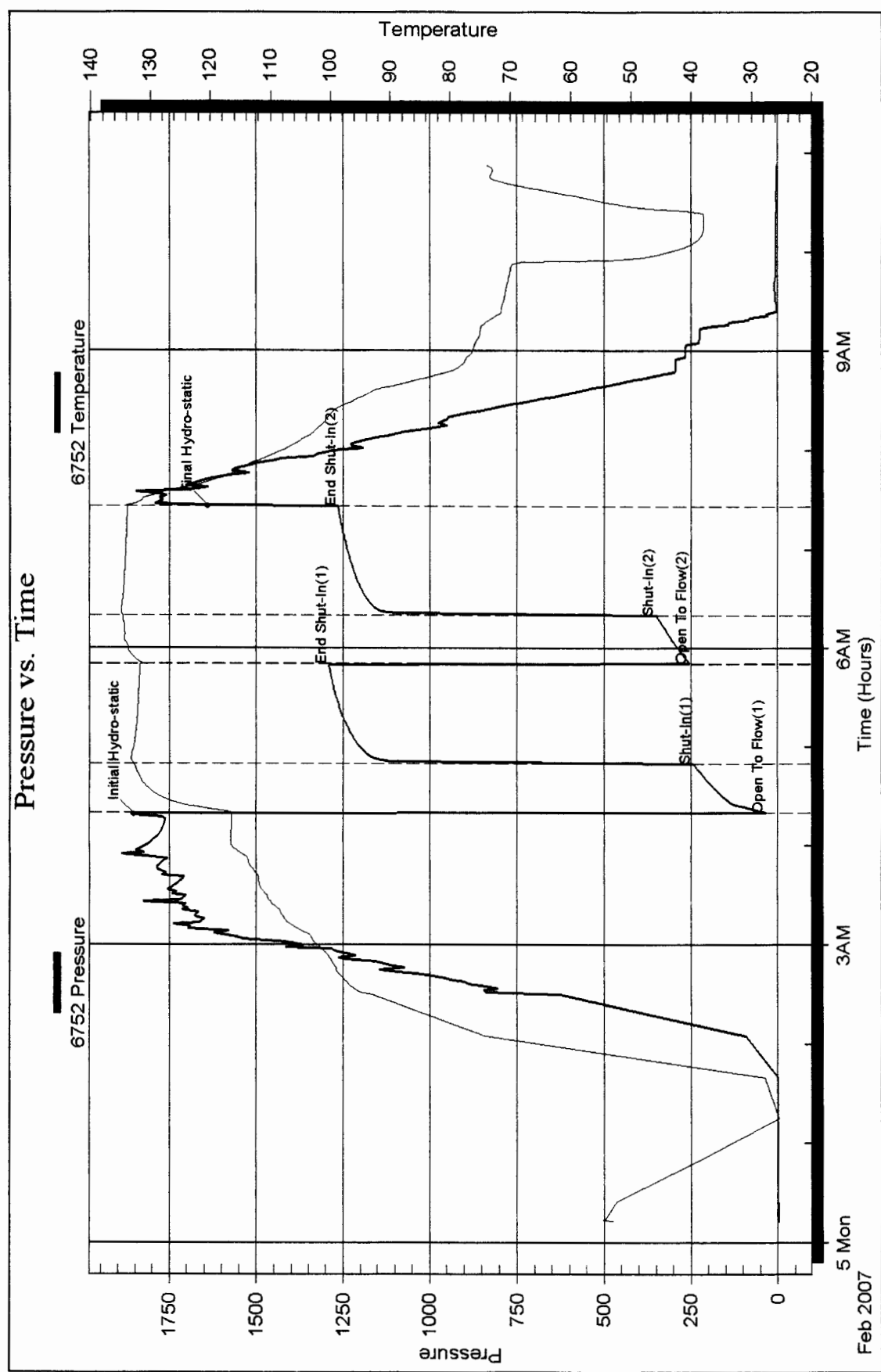
11 26 19W Edwards KS

McCoy Petroleum

Inside

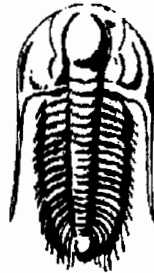
Serial #: 6752

Pressure vs. Time



Ref. No: 26903

Trilobite Testing, Inc



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central Ste 300
Wichita KS 67296

ATTN: Tim Priest

11 26 19W Edwards KS

#2-11 Titus A

Start Date: 2007.02.06 @ 13:04:56

End Date: 2007.02.06 @ 20:37:56

Job Ticket #: 27081 DST #: 2

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

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WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Petroleum

8080 E Central Ste 300
Wichita KS 67296

ATTN: Tim Priest

#2-11 Titus A

11 26 19W Edwards KS

Job Ticket: 27081

DST#: 2

Test Start: 2007.02.06 @ 13:04:56

GENERAL INFORMATION:

Formation: **Lancing H**

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

Time Tool Opened: 15:35:26

Time Test Ended: 20:37:56

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **4283.00 ft (KB) To 4319.00 ft (KB) (TVD)**

Total Depth: **4319.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2219.00 ft (KB)**

2208.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: **6668**

Inside

Press@RunDepth: **225.14 psig @ 4283.00 ft (KB)**

Start Date: **2007.02.06**

End Date: **2007.02.06**

Start Time: **13:05:01**

End Time: **20:37:55**

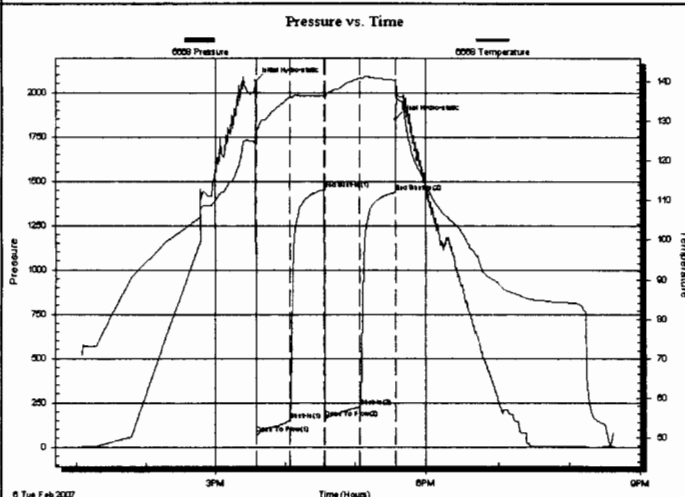
Capacity: **7000.00 psig**

Last Calib.: **2007.02.06**

Time On Btm: **2007.02.06 @ 15:34:26**

Time Off Btm: **2007.02.06 @ 17:34:25**

TEST COMMENT: IF Strong blow BOB in 30 secs.
ISI Bled off Weak blow back Building to 1" in 30 mins.
FF Fair blow Building to 9" in 30 mins.
FSI Bled off Weak blow back Building to 1/8" in 30 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2065.90	125.55	Initial Hydro-static
1	74.22	127.47	Open To Flow (1)
30	149.06	136.03	Shut-In(1)
60	1452.20	136.17	End Shut-In(1)
60	158.99	135.86	Open To Flow (2)
90	225.14	140.73	Shut-In(2)
120	1437.28	140.22	End Shut-In(2)
120	1850.33	140.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
128.00	GOcM 10%G 30%O 0%W 60%M	0.63
64.00	GOcWM 20%G 30%O 20%W 30%M	0.31
184.00	Muddy Water 90%W 10%M	2.07
64.00	Muddy Water 95%W 5%M	0.90

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum

#2-11 Titus A

8080 E Central Ste 300
Wichita KS 67296

11 26 19W Edwards KS

Job Ticket: 27081

DST#: 2

ATTN: Tim Priest

Test Start: 2007.02.06 @ 13:04:56

Tool Information

Drill Pipe:	Length: 4026.00 ft	Diameter: 3.80 inches	Volume: 56.47 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: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 72000.00 lb
		Total Volume:	57.69 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4283.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	56.00 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		4268.00	
Hydraulic tool	5.00		4273.00	
Packer	5.00		4278.00	20.00 Bottom Of Top Packer
Packer	5.00		4283.00	
Recorder	0.00	6668 Inside	4283.00	
Perforations	34.00		4317.00	
Recorder	0.00	13266 Outside	4317.00	
Bullnose	2.00		4319.00	36.00 Bottom Packers & Anchor

Total Tool Length: 56.00

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WICHITA, KS



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TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum

#2-11 Titus A

8080 E Central Ste 300
Wichita KS 67296

11 26 19W Edwards KS

Job Ticket: 27081

DST#: 2

ATTN: Tim Priest

Test Start: 2007.02.06 @ 13:04:56

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 9.58 in³

Resistivity: 1.78 ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

4200 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
128.00	GOcM 10%G 30%O 0%W 60%M	0.629
64.00	GOcWM 20%G 30%O 20%W 30%M	0.315
184.00	Muddy Water 90%W 10%M	2.071
64.00	Muddy Water 95%W 5%M	0.898

Total Length: 440.00 ft

Total Volume: 3.913 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6668

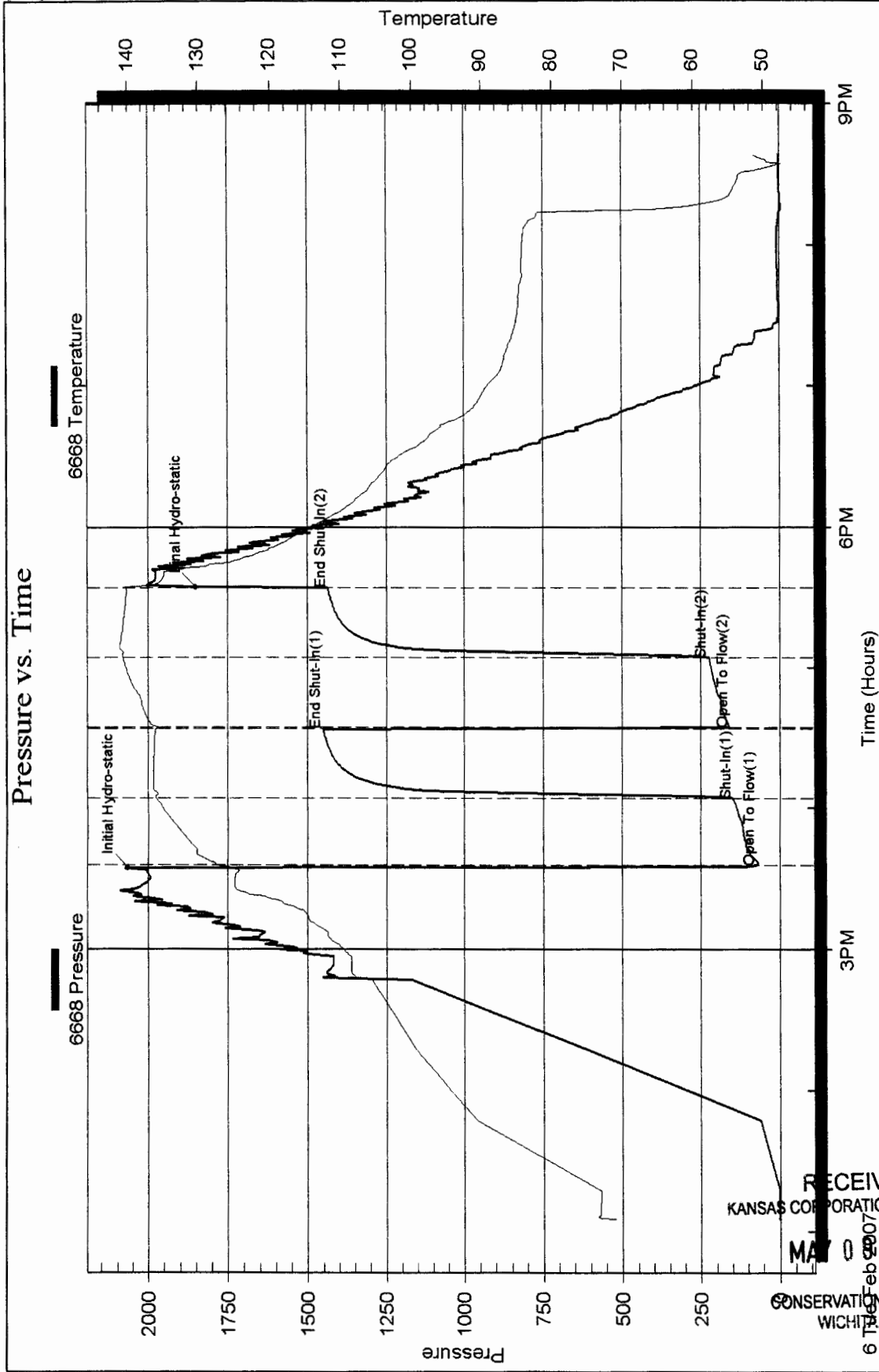
Inside

McCoy Petroleum

11 26 19W Edwards KS

DST Test Number: 2

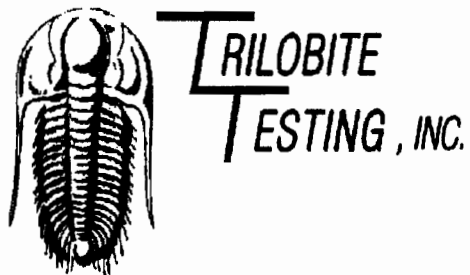
Pressure vs. Time



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WICHITA, KS

Ref. No: 27081

Trilobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central Ste 300
Wichita KS 67296

ATTN: Tim Priest

11 26 19W Edwards KS

#2-11 Titus A

Start Date: 2007.02.08 @ 06:17:18

End Date: 2007.02.08 @ 16:36:33

Job Ticket #: 27082 DST #: 3

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

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CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

McCoy Petroleum
8080 E Central Ste 300
Wichita KS 67296
ATTN: Tim Priest

#2-11 Titus A

11 26 19W Edwards KS

Job Ticket: 27082

DST#: 3

Test Start: 2007.02.08 @ 06:17:18

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:04:48

Time Test Ended: 16:36:33

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **4670.00 ft (KB) To 4724.00 ft (KB) (TVD)**

Total Depth: 4724.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2219.00 ft (KB)

2208.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6668

Inside

Press@RunDepth: 565.93 psig @ 4670.00 ft (KB)

Start Date: 2007.02.08

End Date:

2007.02.08

Start Time: 06:17:23

End Time:

16:36:33

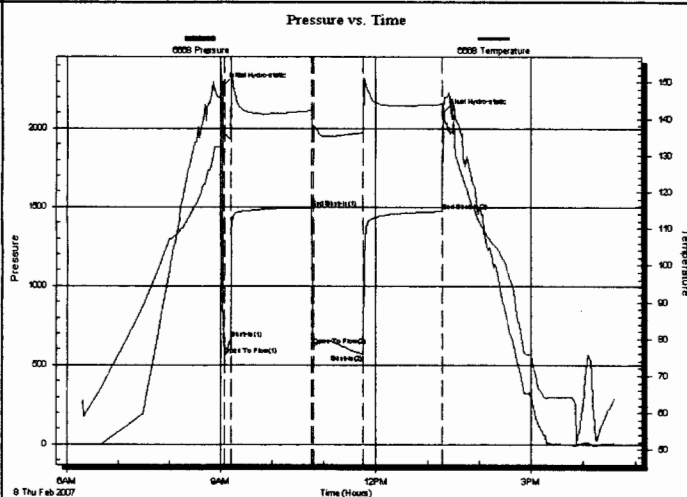
Capacity: 7000.00 psig

Last Calib.: 2007.02.08

Time On Btm: 2007.02.08 @ 09:02:03

Time Off Btm: 2007.02.08 @ 13:17:32

TEST COMMENT: IF Strong blow BOB immediately GTS in 5 mins.
ISI Bled off Replaced hose
FF Strong blow GTS See gas report
FSI Bled off



PRESSURE SUMMARY

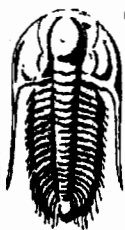
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2267.21	132.86	Initial Hydro-static
3	558.05	135.49	Open To Flow (1)
10	664.12	134.38	Shut-In (1)
105	1493.56	142.25	End Shut-In (1)
107	620.12	137.80	Open To Flow (2)
164	565.93	136.16	Shut-In (2)
256	1472.54	144.03	End Shut-In (2)
256	2103.53	143.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
74.00	Gasy Mud w/scum of Oil 20%G 80%M	0.36

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	60.00	2138.91
Last Gas Rate	1.00	80.00	2713.89
Max. Gas Rate	1.00	90.00	3001.38



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum

#2-11 Titus A

8080 E Central Ste 300
Wichita KS 67296

11 26 19W Edwards KS

Job Ticket: 27082

DST#: 3

ATTN: Tim Priest

Test Start: 2007.02.08 @ 06:17:18

Tool Information

Drill Pipe:	Length: 4433.00 ft	Diameter: 3.80 inches	Volume: 62.18 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: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 74000.00 lb
			<u>Total Volume: 63.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4670.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	73.00 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			4655.00	
Hydraulic tool	5.00			4660.00	
Packer	5.00			4665.00	20.00 Bottom Of Top Packer
Packer	5.00			4670.00	
Recorder	0.00	6668	Inside	4670.00	
Perforations	8.00			4678.00	
Change Over Sub	1.00			4679.00	
Drill Pipe	32.00			4711.00	
Change Over Sub	1.00			4712.00	
Perforations	9.00			4721.00	
Recorder	0.00	13266	Outside	4721.00	
Bullnose	2.00			4723.00	53.00 Bottom Packers & Anchor
Total Tool Length:	73.00				

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum

#2-11 Titus A

8080 E Central Ste 300
Wichita KS 67296

11 26 19W Edwards KS

Job Ticket: 27082

DST#: 3

ATTN: Tim Priest

Test Start: 2007.02.08 @ 06:17:18

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
74.00	Gasy Mud w/scum of Oil 20%G 80%M	0.364

Total Length: 74.00 ft

Total Volume: 0.364 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

McCoy Petroleum
8080 E Central Ste 300
Wichita KS 67296
ATTN: Tim Priest

#2-11 Titus A
11 26 19W Edwards KS
Job Ticket: 27082 **DST#: 3**
Test Start: 2007.02.08 @ 06:17:18

Gas Rates Information

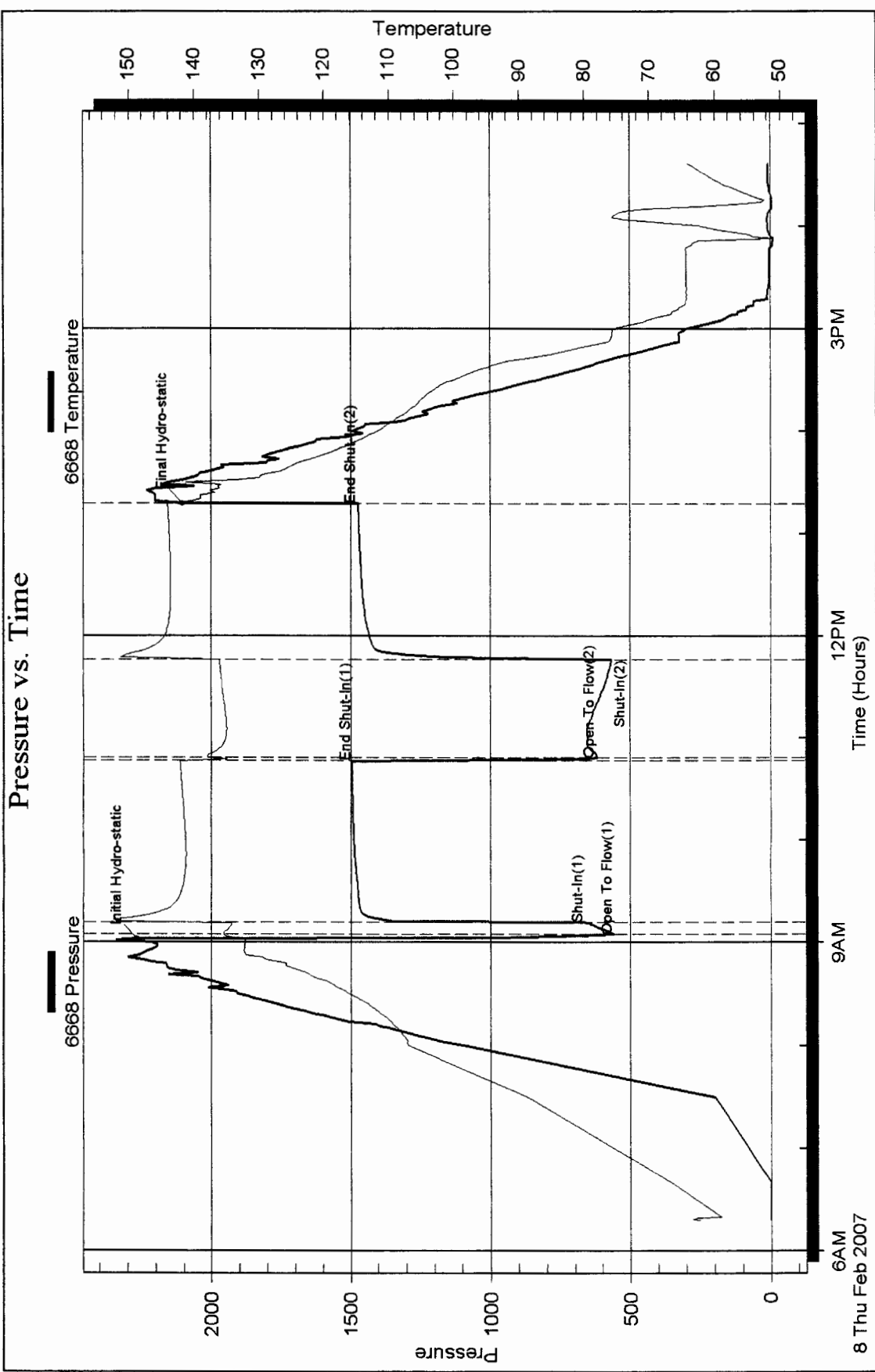
Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
1	10	1.00	60.00	2138.91
2	10	1.00	85.00	2857.63
2	20	1.00	85.00	2857.63
2	30	1.00	90.00	3001.38
2	40	1.00	85.00	2857.63
2	50	1.00	80.00	2713.89

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WICHITA, KS

Pressure vs. Time





GAS VOLUME REPORT

3

[illegible]

CONSERVATION DIVISION
WICHITA, KS