

19-335-12w

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KANSAS CORPORATION COMMISSION

FEB 29 2008

CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Corry Tinsmon

19 33 12W Barber KS

Miller A # 1

Start Date: 2007.11.08 @ 17:14:01

End Date: 2007.11.09 @ 01:54:01

Job Ticket #: 27991

DST #: 1

API # 15-007-23218-0000

SE NW SW NE

1820 FUL 2200 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2007.11.15 @ 10:42:29 Page 1

Woolsey Operating Co LLC

Miller A # 1

19 33 12W Barber KS

DST # 1

Lans. "A"

2007.11.08



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

125 N Market Ste 1000
Wichita KS 67202

ATTN: Corry Tinsmon

Miller A # 1

19 33 12W Barber KS

Job Ticket: 27991

DST#: 1

Test Start: 2007.11.08 @ 17:14:01

GENERAL INFORMATION:

Formation: **Lans. "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:32:01

Time Test Ended: 01:54:01

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 36

Interval: **3907.00 ft (KB) To 3930.00 ft (KB) (TVD)**

Total Depth: 3930.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1519.00 ft (KB)

1510.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6798

Inside

Press@RunDepth: 417.55 psig @ 3908.00 ft (KB)

Start Date: 2007.11.08

End Date:

2007.11.09

Start Time: 17:14:02

End Time:

01:54:01

Capacity: 7000.00 psig

Last Calib.: 2007.11.09

Time On Btm: 2007.11.08 @ 19:30:01

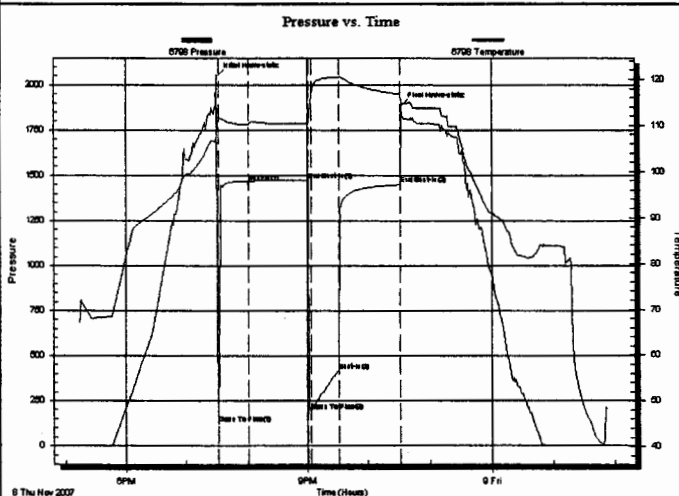
Time Off Btm: 2007.11.08 @ 22:33:01

TEST COMMENT: IF Weak blow Built to 8 " decreased to 7 1/4 "

ISI No blow

FF Strong blow BOB in 5 mins.

FSI Weak blow Built to 2 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2047.39	107.31	Initial Hydro-static
2	121.98	111.15	Open To Flow (1)
32	1463.31	110.40	Shut-In (1)
91	1472.90	110.48	End Shut-In (1)
93	193.23	116.56	Open To Flow (2)
121	417.55	120.45	Shut-In (2)
182	1449.42	116.77	End Shut-In (2)
183	1882.18	115.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
720.00	MSaltWater 80%W 20%M	9.81
0.00	RW= .065 @ 51 deg. 225000 ppm	0.00
0.00		0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

Miller A # 1

125 N Market Ste 1000
Wichita KS 67202

19 33 12W Barber KS

Job Ticket: 27991

DST#: 1

ATTN: Corry Tinsmon

Test Start: 2007.11.08 @ 17:14:01

Tool Information

Drill Pipe:	Length: 3858.00 ft	Diameter: 3.80 inches	Volume: 54.12 bbl	Tool Weight:	2500.00 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: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose:	75000.00 lb
		Total Volume:	54.28 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	3907.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	23.00 ft				
Tool Length:	51.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:
Tool slid approx. 10' to bottom

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3884.00	
Hydraulic tool	5.00			3889.00	
Jars	5.00			3894.00	
Safety Joint	3.00			3897.00	
Packer	5.00			3902.00	28.00 Bottom Of Top Packer
Packer	5.00			3907.00	
Stubb	1.00			3908.00	
Recorder	0.00	6798	Inside	3908.00	
Recorder	0.00	8358	Inside	3908.00	
Perforations	19.00			3927.00	
Bullnose	3.00			3930.00	23.00 Bottom Packers & Anchor

Total Tool Length: 51.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

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Miller A # 1

125 N Market Ste 1000
Wichita KS 67202

19 33 12W Barber KS

Job Ticket: 27991

DST#: 1

ATTN: Corry Tinsmon

Test Start: 2007.11.08 @ 17:14:01

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 8.78 in³

Resistivity: 0.00 ohm.m

Salinity: 5200.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
720.00	MSaltWater 80%W 20%M	9.808
0.00	RW= .065 @ 51 deg. 225000 ppm	0.000
0.00		0.000

Total Length: 720.00 ft

Total Volume: 9.808 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

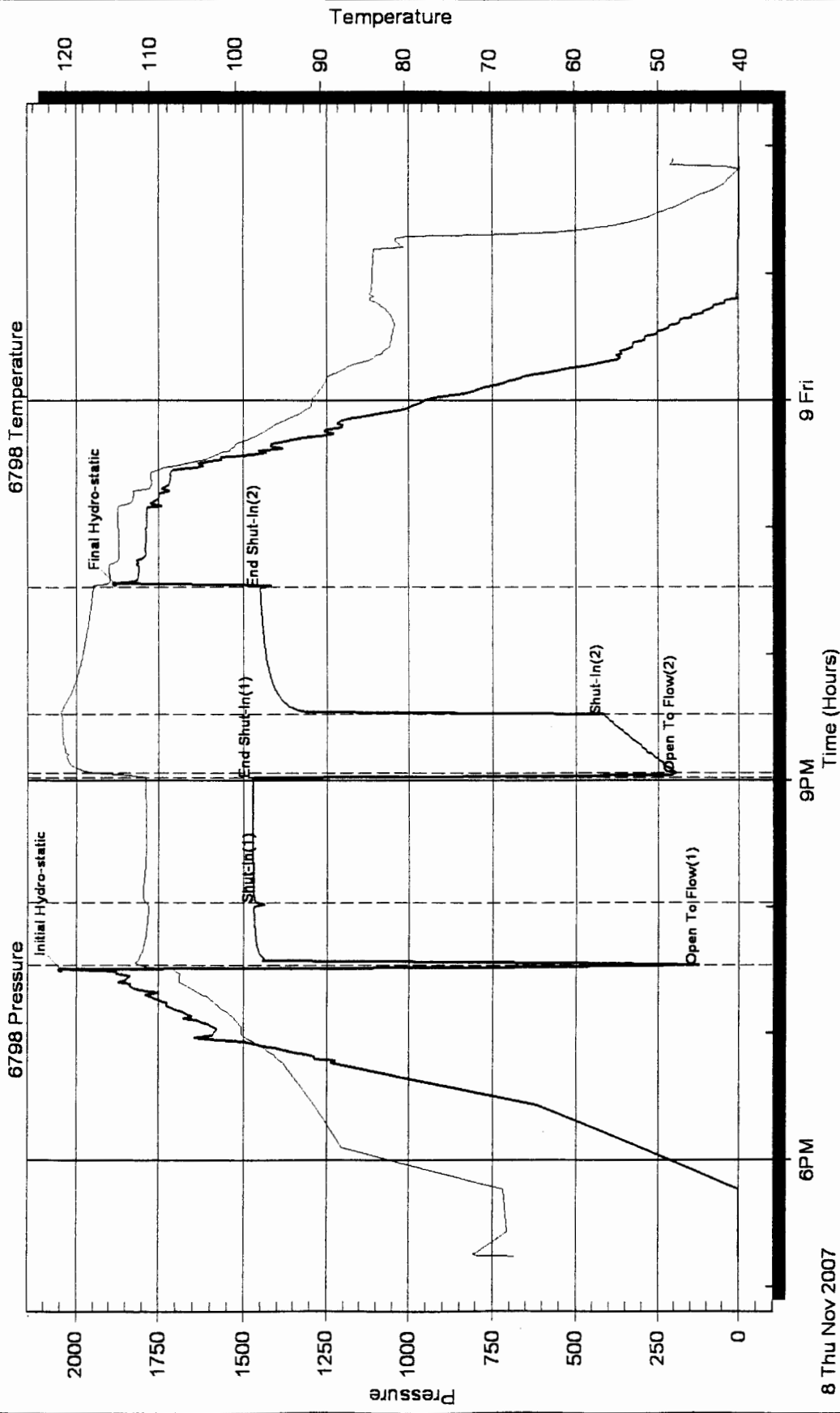
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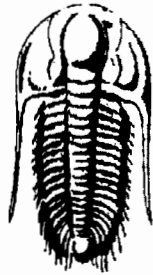
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Corry Tinsmon

19 33 12W Barber KS

Miller A # 1

Start Date: 2007.11.11 @ 02:20:27

End Date: 2007.11.11 @ 10:52:12

Job Ticket #: 30107 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Woolsey Operating Co LLC

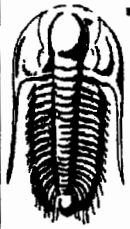
Miller A # 1

19 33 12W Barber KS

DST # 2

Miss.

2007.11.11



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

125 N Market Ste 1000
Wichita KS 67202

ATTN: Corry Tinsmon

Miller A # 1

19 33 12W Barber KS

Job Ticket: 30107

DST#: 2

Test Start: 2007.11.11 @ 02:20:27

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:36:57

Time Test Ended: 10:52:12

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: 4460.00 ft (KB) To 4520.00 ft (KB) (TVD)

Total Depth: 4520.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1519.00 ft (KB)

1510.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8167 Inside

Press@RunDepth: 26.08 psig @ 4461.00 ft (KB)

Start Date: 2007.11.11

End Date:

2007.11.11

Capacity: 7000.00 psig

Last Calib.: 2007.11.11

Start Time: 02:20:32

End Time:

10:52:11

Time On Btm: 2007.11.11 @ 04:34:12

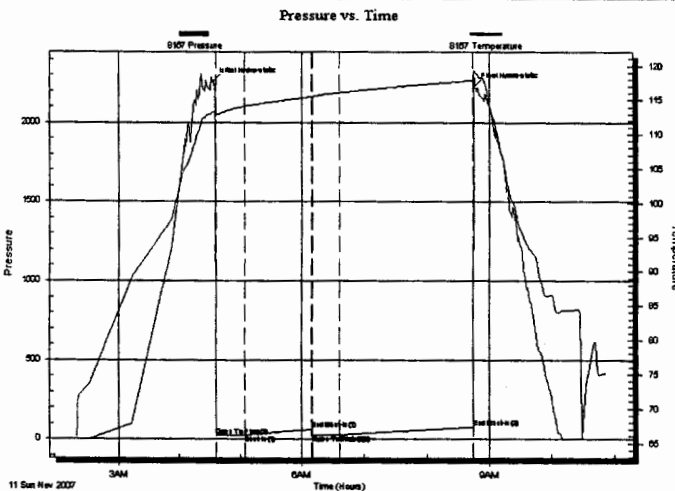
Time Off Btm: 2007.11.11 @ 08:46:27

TEST COMMENT: IF Weak blow 1 "

ISI No blow

FF Weak blow Dead in 23 mins.

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2257.10	113.24	Initial Hydro-static
3	23.11	112.82	Open To Flow (1)
31	23.72	114.10	Shut-In(1)
95	62.78	115.49	End Shut-In(1)
96	24.20	115.50	Open To Flow (2)
122	26.08	116.07	Shut-In(2)
250	76.29	117.87	End Shut-In(2)
253	2229.94	119.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	DM	0.07

Gas Rates

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

Woolsey Operating Co LLC

Miller A # 1

125 N Market Ste 1000
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19 33 12W Barber KS

Job Ticket: 30107

DST#: 2

ATTN: Corry Tinsmon

Test Start: 2007.11.11 @ 02:20:27

Tool Information

Drill Pipe:	Length: 4432.00 ft	Diameter: 3.80 inches	Volume: 62.17 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:	23000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	81000.00 lb
		Total Volume:	62.32 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	61000.00 lb
Depth to Top Packer:	4460.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 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			4433.00	
Shut In Tool	5.00			4438.00	
Hydraulic tool	5.00			4443.00	
Jars	5.00			4448.00	
Safety Joint	3.00			4451.00	
Packer	4.00			4455.00	28.00 Bottom Of Top Packer
Packer	5.00			4460.00	
Stubb	1.00			4461.00	
Recorder	0.00	8167	Inside	4461.00	
Recorder	0.00	8357	Inside	4461.00	
Perforations	2.00			4463.00	
Change Over Sub	1.00			4464.00	
Blank Spacing	32.00			4496.00	
Change Over Sub	1.00			4497.00	
Perforations	18.00			4515.00	
Bullnose	5.00			4520.00	60.00 Bottom Packers & Anchor
Total Tool Length:		88.00			



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Job Ticket: 30107

DST#: 2

ATTN: Corry Tinsmon

Test Start: 2007.11.11 @ 02:20:27

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:

8000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	DM	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

