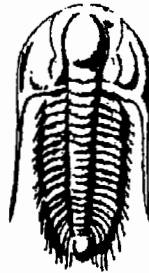


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CONSERVATION DIVISION
WICHITA, KS

CONFIDENTIAL



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Woolsey Oper.Co.LLC**

125 N. Markert, Ste. 1000
Wichita Ks. 67202

ATTN: Pat Balthazor

26-31s-17w Comanche

Masters#1

Start Date: 2005.09.18 @ 12:53:19

End Date: 2005.09.18 @ 23:37:34

Job Ticket #: 21766 DST #: 1

15-033-21446

NW NE NE

330 FNL 990 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

15-033-21446

Woolsey Oper.Co.LLC

Masters#1

26-31s-17w Comanche

DST # 1

Miss

2005.09.18



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Oper.Co.LLC

125 N.Markert,Ste.1000
Wichita Ks.67202

ATTN: Pat Balthazor

Masters#1

26-31s-17w Comanche

Job Ticket: 21766

DST#: 1

Test Start: 2005.09.18 @ 12:53:19

GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 15:50:49

Time Test Ended: 23:37:34

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4891.00 ft (KB) To 4945.00 ft (KB) (TVD)**

Total Depth: **4945.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1990.00 ft (KB)**

1977.00 ft (CF)

KB to GRVCF: **13.00 ft**

Serial #: 6771

Inside

Press@RunDepth: **120.52 psig @ 4892.00 ft (KB)**

Start Date: **2005.09.18**

End Date:

2005.09.18

Capacity: **7000.00 psig**

Last Calib.: **2005.09.18**

Start Time: **12:53:24**

End Time:

23:37:34

Time On Btmr: **2005.09.18 @ 15:48:04**

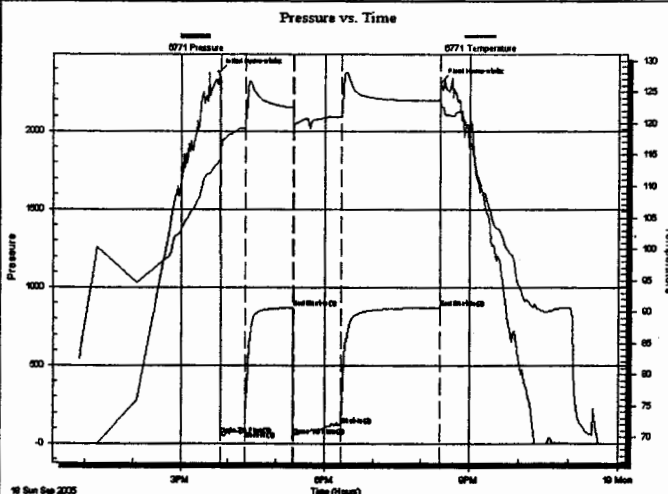
Time Off Btmr: **2005.09.18 @ 20:24:04**

TEST COMMENT: IF:Strong blow . B.O.B. in 1 min. GTS in 14 mins. (see gas flow report)

IS:No blow .

FF:Strong blow . (see gas flow report)

FSt:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2376.23	114.07	Initial Hydro-static
3	56.24	115.84	Open To Flow (1)
34	80.61	119.22	Shut-In(1)
92	870.02	122.53	End Shut-In(1)
94	53.01	120.04	Open To Flow (2)
153	120.52	121.10	Shut-In(2)
275	872.86	123.76	End Shut-In(2)
276	2312.29	122.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
155.00	GCM	1.08

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	6.00	32.36
Last Gas Rate	0.25	34.00	76.78
Max. Gas Rate	0.25	34.00	76.78



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Oper.Co.LLC

Masters#1

125 N.Markert,Ste.1000
Wichita Ks.67202

26-31s-17w Comanche

Job Ticket: 21766

DST#: 1

ATTN: Pat Balthazor

Test Start: 2005.09.18 @ 12:53:19

Tool Information

Drill Pipe: Length: 4757.00 ft Diameter: 3.80 inches Volume: 66.73 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl
Drill Collar: Length: 120.00 ft Diameter: 2.25 inches Volume: 0.59 bbl
Total Volume: 67.32 bbl

Tool Weight: 2100.00 lb
Weight set on Packer: 20000.00 lb
Weight to Pull Loose: 81000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 62000.00 lb
Final 61000.00 lb

Drill Pipe Above KB: 13.00 ft

Depth to Top Packer: 4891.00 ft

Depth to Bottom Packer: ft

Interval between Packers: 54.00 ft

Tool Length: 81.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

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

Change Over Sub	1.00			4865.00	
Shut In Tool	5.00			4870.00	
Hydraulic tool	5.00			4875.00	
Jars	5.00			4880.00	
Safety Joint	2.00			4882.00	
Packer	4.00			4886.00	27.00 Bottom Of Top Packer
Packer	5.00			4891.00	
Stubb	1.00			4892.00	
Recorder	0.00	6771	Inside	4892.00	
Perforations	2.00			4894.00	
Change Over Sub	1.00			4895.00	
Blank Spacing	31.00			4926.00	
Change Over Sub	1.00			4927.00	
Perforations	13.00			4940.00	
Recorder	0.00	13222	Outside	4940.00	
Bullnose	5.00			4945.00	54.00 Bottom Packers & Anchor
Total Tool Length:	81.00				

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Oper.Co.LLC

Masters#1

125 N.Markert, Ste.1000
Wichita Ks.67202

26-31s-17w Comanche

Job Ticket: 21766

DST#: 1

ATTN: Pat Balthazor

Test Start: 2005.09.18 @ 12:53:19

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:

3000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
155.00	GCM	1.081

Total Length: 155.00 ft

Total Volume: 1.081 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Woolsey Oper. Co. LLC

Masters#1

125 N. Markert, Ste. 1000
Wichita Ks. 67202

26-31s-17w Comanche

Job Ticket: 21766

DST#: 1

ATTN: Pat Balthazor

Test Start: 2005.09.18 @ 12:53:19

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)
1	20	0.25	6.00	32.36
1	25	0.25	7.00	33.95
1	30	0.25	12.00	41.88
2	10	0.25	16.00	48.23
2	20	0.25	25.00	62.50
2	30	0.25	29.00	68.85
2	40	0.25	31.00	72.02
2	50	0.25	33.00	75.20
2	60	0.25	34.00	76.78

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CONSERVATION DIVISION
WICHITA, KS

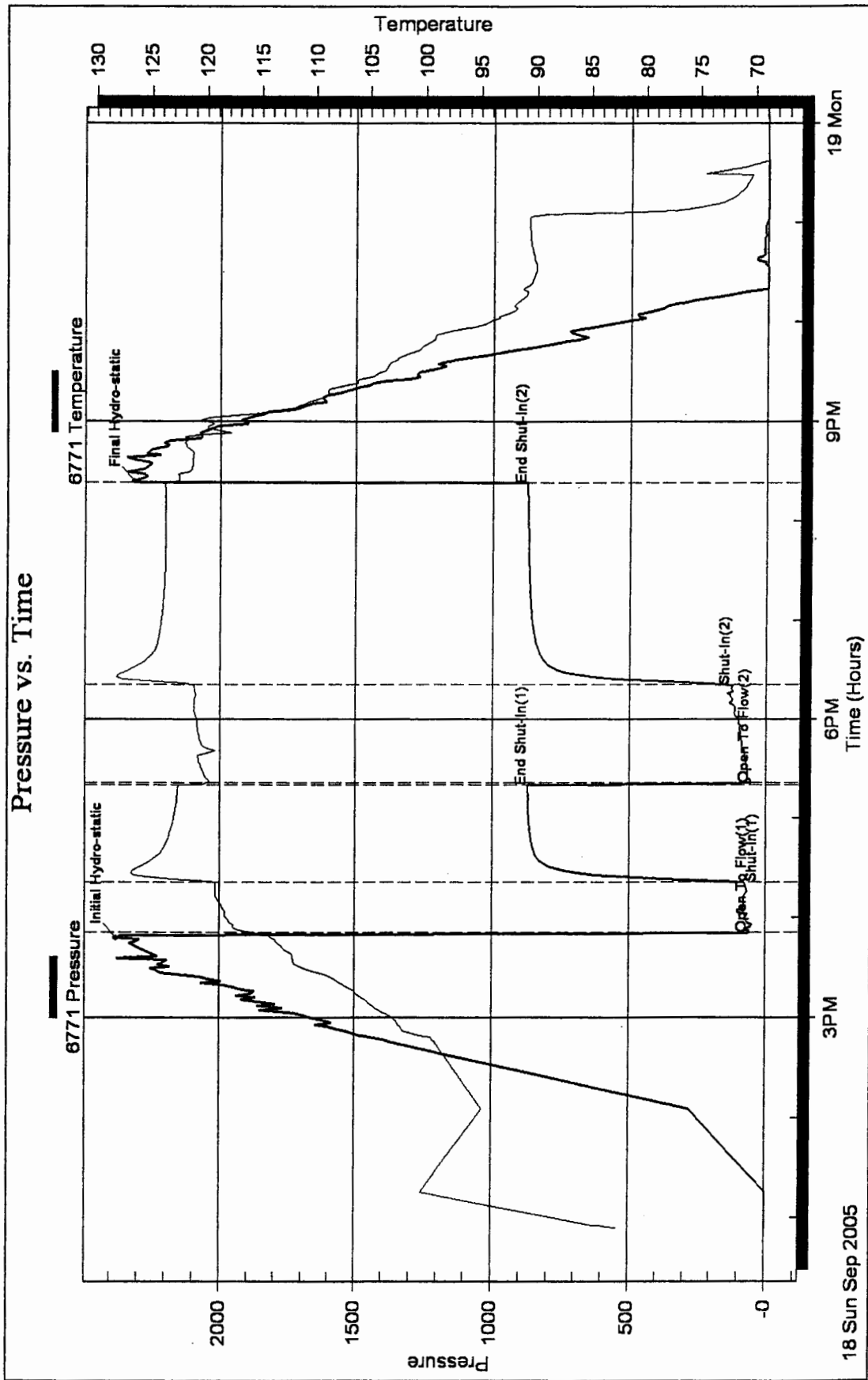
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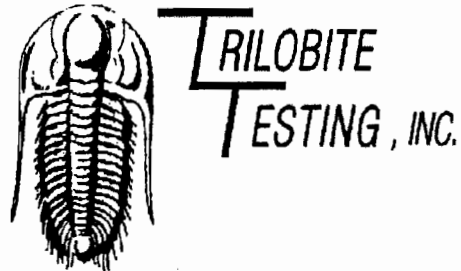
Woodsey Oper.Co.LLC

26-31s-17w Comanche

DST Test Number: 1



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WICHITA, KS



DRILL STEM TEST REPORT

Prepared For: **Woolsey Oper.Co.LLC**

125 N. Markert, Ste. 1000
Wichita Ks. 67202

ATTN: Pat Balthazor

26-31s-17w Comanche

Masters#1

Start Date: 2005.09.19 @ 10:39:49

End Date: 2005.09.19 @ 20:38:49

Job Ticket #: 2167

DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Woolsey Oper.Co.LLC

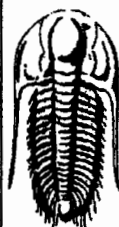
Masters#1

26-31s-17w Comanche

DST # 2

Miss.

2005.09.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Oper.Co.LLC

125 N.Markert,Ste.1000
Wichita Ks.67202

ATTN: Pat Balthazor

Masters#1

26-31s-17w Comanche

Job Ticket: 2167

DST#:2

Test Start: 2005.09.19 @ 10:39:49

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 13:19:19

Time Test Ended: 20:38:49

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4945.00 ft (KB) To 4975.00 ft (KB) (TVD)**

Total Depth: **4975.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1990.00 ft (KB)**

1977.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6771

Inside

Press@RunDepth: **31.21 psig @ 4946.00 ft (KB)**

Start Date: **2005.09.19**

End Date:

2005.09.19

Capacity: **7000.00 psig**

Last Calib.: **2005.09.19**

Start Time: **10:39:54**

End Time:

20:38:49

Time On Btm: **2005.09.19 @ 13:18:19**

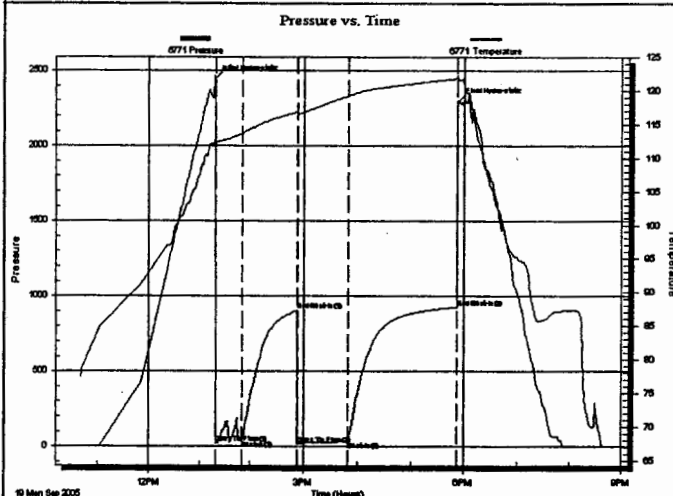
Time Off Btm: **2005.09.19 @ 17:53:49**

TEST COMMENT: **F:Fair to strong surging blow . B.O.B. in 27 mins.**

IS:No blow .

FF:Strong blow .B.O.B. in 20 secs.

FST:No blow .



PRESSURE SUMMARY

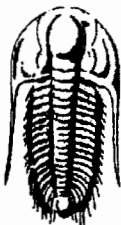
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2441.85	112.99	Initial Hydro-static
1	21.06	111.73	Open To Flow (1)
32	36.98	113.64	Shut-In(1)
95	904.49	116.85	End Shut-In(1)
95	14.39	116.56	Open To Flow (2)
152	31.21	119.21	Shut-In(2)
274	925.91	121.83	End Shut-In(2)
276	2295.36	121.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	GCMw/ o specs. 8%g 92%m	0.15
0.00	670 ft.of GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Oper.Co.LLC

Masters#1

125 N.Markert,Ste.1000
Wichita Ks.67202

26-31s-17w Comanche

Job Ticket: 2167

DST#: 2

ATTN: Pat Balthazor

Test Start: 2005.09.19 @ 10:39:49

Tool Information

Drill Pipe:	Length: 4821.00 ft	Diameter: 3.80 inches	Volume: 67.63 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	81000.00 lb
		Total Volume:	68.22 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4945.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	57.00 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			4919.00	
Shut In Tool	5.00			4924.00	
Hydraulic tool	5.00			4929.00	
Jars	5.00			4934.00	
Safety Joint	2.00			4936.00	
Packer	4.00			4940.00	27.00 Bottom Of Top Packer
Packer	5.00			4945.00	
Stubb	1.00			4946.00	
Recorder	0.00	6771	Inside	4946.00	
Perforations	24.00			4970.00	
Recorder	0.00	13222	Outside	4970.00	
Bullnose	5.00			4975.00	30.00 Bottom Packers & Anchor

Total Tool Length: 57.00

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WICHITA, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Oper.Co.LLC

Masters#1

125 N.Markert,Ste.1000
Wichita Ks.67202

26-31s-17w Comanche

Job Ticket: 2167

DST#: 2

ATTN: Pat Balthazor

Test Start: 2005.09.19 @ 10:39:49

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:

4000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	GCMw / o specs. 8%g 92%m	0.148
0.00	670 ft.of GIP	0.000

Total Length: 30.00 ft

Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

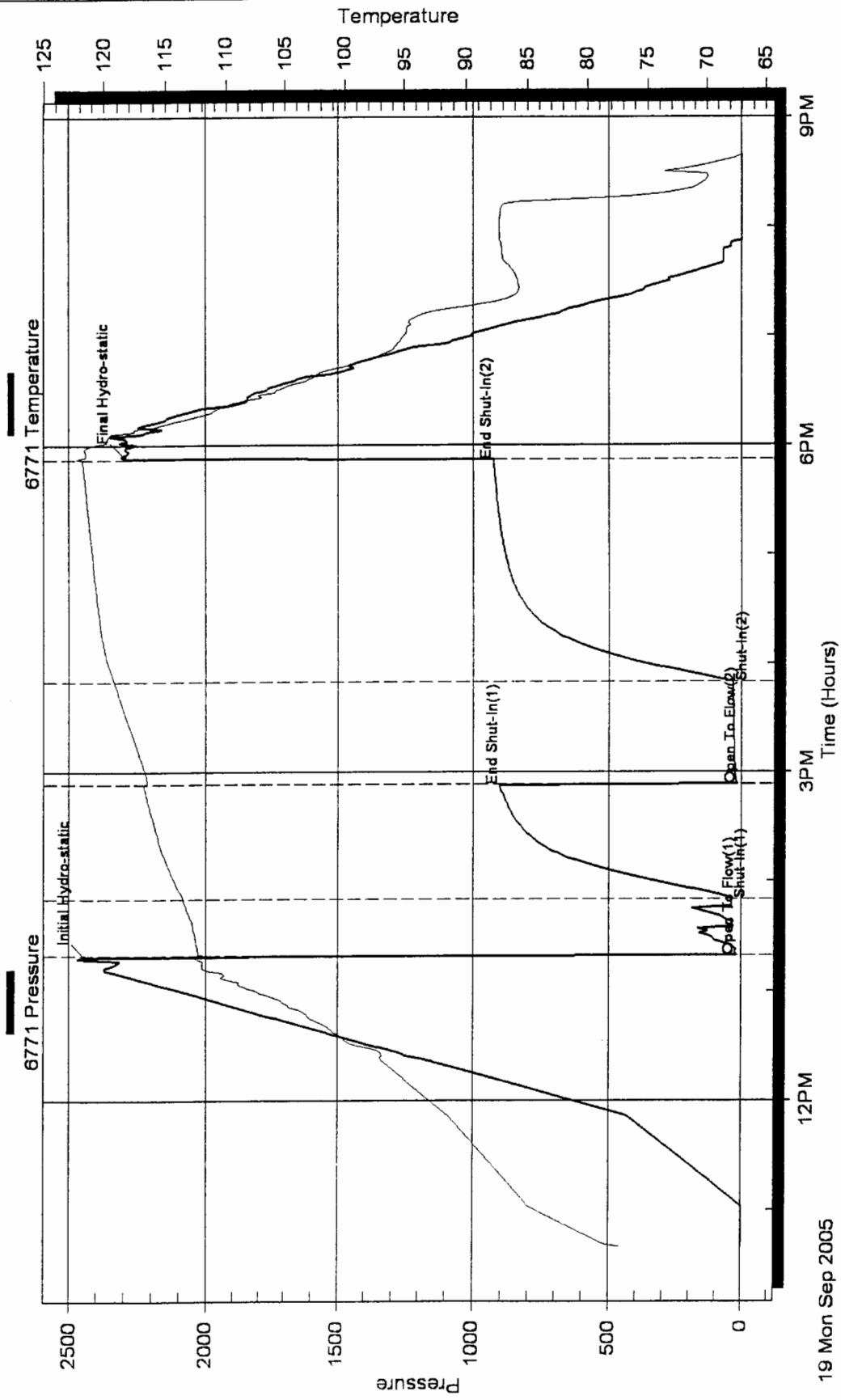
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



19 Mon Sep 2005

Trilobite Testing, Inc

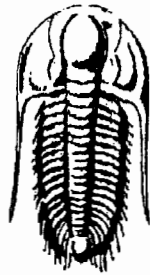
Ref. No: 2167

CONSERVATION DIVISION
WICHITA, KS

JAN 06 2006

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JAN 06 2006
CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Woolsey Oper.Co.LLC**

125 N. Markert, Ste. 1000
Wichita Ks. 67202

ATTN: Pat Balthazor

26-31s-17w Comanche

Masters#1

Start Date: 2005.09.20 @ 09:23:36

End Date: 2005.09.20 @ 19:27:06

Job Ticket #: 21768 DST #: 3

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

Woolsey Oper.Co.LLC

Masters#1

26-31s-17w Comanche

DST # 3

Miss.

2005.09.20



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Oper.Co.LLC

125 N.Market, Ste.1000
Wichita Ks.67202

ATTN: Pat Balthazor

Masters#1

26-31s-17w Comanche

Job Ticket: 21768

DST#: 3

Test Start: 2005.09.20 @ 09:23:36

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 12:27:21

Time Test Ended: 19:27:06

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **4975.00 ft (KB) To 5040.00 ft (KB) (TVD)**

Total Depth: **5040.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1990.00 ft (KB)**

1977.00 ft (CF)

KB to GRVCF: **13.00 ft**

Serial #: 6771

Inside

Press@RunDepth: **67.14 psig @ 4976.00 ft (KB)**

Start Date: **2005.09.20**

End Date:

2005.09.20

Start Time: **09:23:41**

End Time:

19:27:06

Capacity: **7000.00 psig**

Last Calib.: **2005.09.20**

Time On Btm: **2005.09.20 @ 12:26:21**

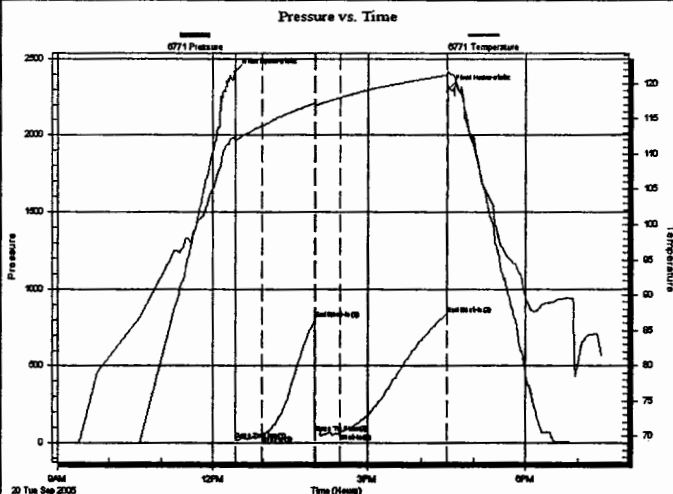
Time Off Btm: **2005.09.20 @ 16:31:21**

TEST COMMENT: IF:Weak blow . 1/4 - 1/2".

IS:No blow .

FF:No blow .

FSt:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2413.77	112.50	Initial Hydro-static
1	18.64	111.84	Open To Flow (1)
33	49.71	113.99	Shut-In(1)
94	802.79	117.24	End Shut-In(1)
94	65.95	116.87	Open To Flow (2)
123	67.14	117.98	Shut-In(2)
243	836.50	121.25	End Shut-In(2)
245	2304.30	121.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drig.mud	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Oper. Co. LLC

Masters#1

125 N. Markert, Ste. 1000
Wichita Ks. 67202

26-31s-17w Comanche

Job Ticket: 21768

DST#: 3

ATTN: Pat Balthazor

Test Start: 2005.09.20 @ 09:23:36

Tool Information

Drill Pipe:	Length: 4850.00 ft	Diameter: 3.80 inches	Volume: 68.03 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 68.62 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4975.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	92.00 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			4949.00	
Shut In Tool	5.00			4954.00	
Hydraulic tool	5.00			4959.00	
Jars	5.00			4964.00	
Safety Joint	2.00			4966.00	
Packer	4.00			4970.00	27.00 Bottom Of Top Packer
Packer	5.00			4975.00	
Stubb	1.00			4976.00	
Recorder	0.00	6771	Inside	4976.00	
Perforations	2.00			4978.00	
Change Over Sub	1.00			4979.00	
Blank Spacing	31.00			5010.00	
Change Over Sub	1.00			5011.00	
Perforations	24.00			5035.00	
Recorder	0.00	13222	Outside	5035.00	
Bullnose	5.00			5040.00	65.00 Bottom Packers & Anchor
Total Tool Length:	92.00				

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CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Oper.Co.LLC

Masters#1

125 N.Markert, Ste. 1000
Wichita Ks. 67202

26-31s-17w Comanche

Job Ticket: 21768

DST#: 3

ATTN: Pat Balthazor

Test Start: 2005.09.20 @ 09:23:36

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:

4000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drig.mud	0.049

Total Length:

10.00ft

Total Volume:

0.049 bbl

Num Fluid Samples: 0

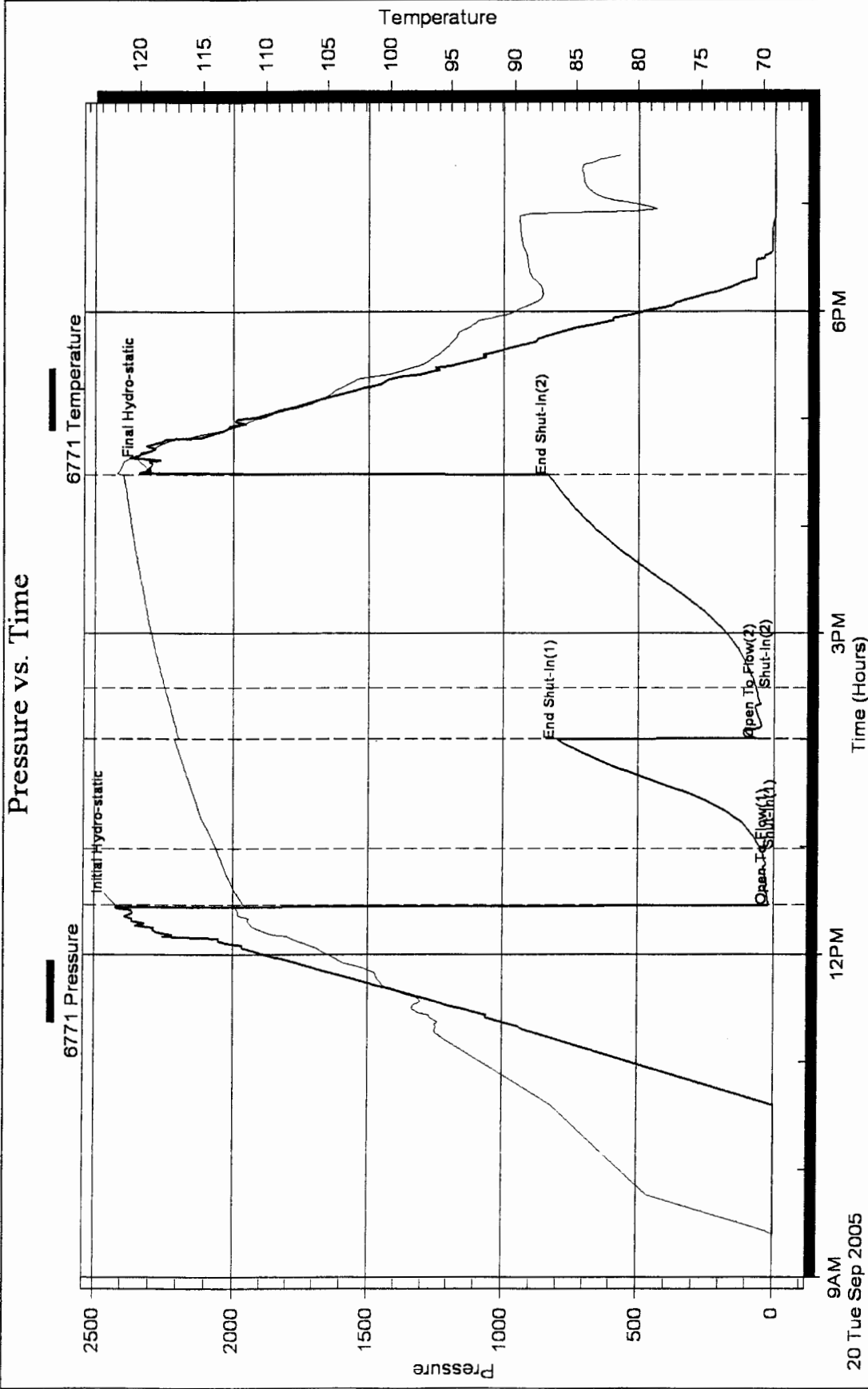
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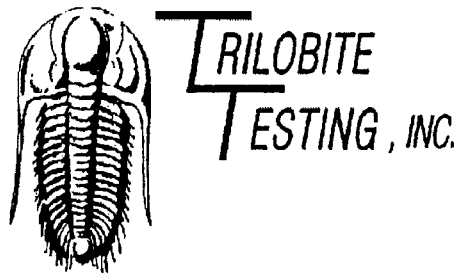
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Woolsey Oper.Co.LLC**

125 N.Markert,Ste.1000
Wichita Ks.67202

ATTN: Pat Balthazor

26-31s-17w Comanche

Masters#1

Start Date: 2005.09.21 @ 18:05:45

End Date: 2005.09.22 @ 05:15:28

Job Ticket #: 22463 DST #: 4

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JAN 06 2006
CONSERVATION DIVISION
WICHITA, KS

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Oper.Co.LLC

125 N.Markert,Ste.1000
Wichita Ks.67202

ATTN: Pat Balthazor

Masters#1

26-31s-17w Comanche

Job Ticket: 22463

DST#:4

Test Start: 2005.09.21 @ 18:05:45

GENERAL INFORMATION:

Formation: **Osage**

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

Time Tool Opened: 21:35:28

Time Test Ended: 05:15:28

Test Type: **Conventional Bottom Hole**

Tester: **Dustin Rash**

Unit No: **20**

Interval: **5212.00 ft (KB) To 5258.00 ft (KB) (TVD)**

Total Depth: **5258.00 ft (KB) (TVD)**

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

Reference Elevations: **1990.00 ft (KB)**

1977.00 ft (CF)

KB to GR/CF: **13.00 ft**

Serial #: 6770 Inside

Press@RunDepth: **43.22 psig @ 5216.00 ft (KB)**

Start Date: **2005.09.21**

End Date:

2005.09.22

Start Time: **18:05:45**

End Time:

05:15:28

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2005.09.21 @ 21:34:13**

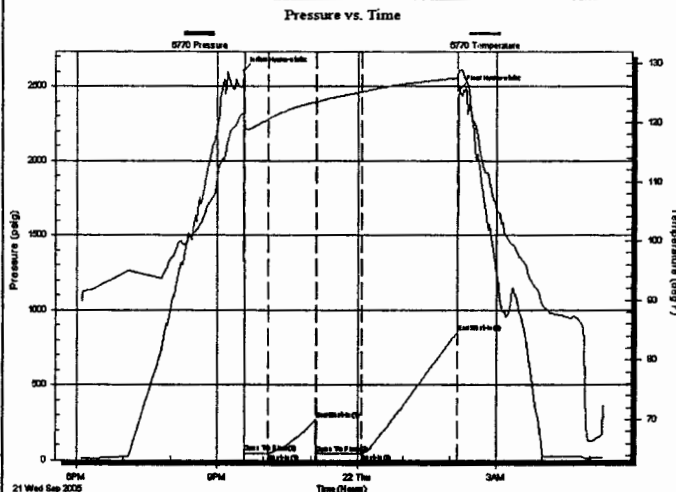
Time Off Btm: **2005.09.22 @ 02:11:28**

TEST COMMENT: F-Fair building blow . Built to 3 inches.

SI-No blow back.

FF-Fair building blow . Built to 6 inches.

FSI-No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2606.91	121.62	Initial Hydro-static
2	51.07	119.35	Open To Flow (1)
32	43.25	120.57	Shut-In(1)
93	269.19	123.50	End Shut-In(1)
93	42.72	123.36	Open To Flow (2)
152	43.22	125.22	Shut-In(2)
276	852.21	127.56	End Shut-In(2)
278	2483.94	128.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% mud	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

Woolsey Oper.Co.LLC

Masters#1

125 N.Markert, Ste. 1000
Wichita Ks. 67202

26-31s-17w Comanche

Job Ticket: 22463

DST#: 4

ATTN: Pat Balthazor

Test Start: 2005.09.21 @ 18:05:45

Tool Information

Drill Pipe: Length: 5067.00 ft Diameter: 3.80 inches Volume: 71.08 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl
Drill Collar: Length: 123.00 ft Diameter: 2.25 inches Volume: 0.60 bbl
Total Volume: 71.68 bbl

Drill Pipe Above KB: 5.00 ft
Depth to Top Packer: 5212.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 46.00 ft
Tool Length: 73.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Weight: 2000.00 lb
Weight set on Packer: 22000.00 lb
Weight to Pull Loose: 5000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 64000.00 lb
Final 68000.00 lb

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5186.00	
Shut In Tool	5.00			5191.00	
Hydraulic tool	5.00			5196.00	
Jars	5.00			5201.00	
Safety Joint	2.00			5203.00	
Packer	5.00			5208.00	27.00 Bottom Of Top Packer
Packer	4.00			5212.00	
Stubb	1.00			5213.00	
Perforations	2.00			5215.00	
Change Over Sub	1.00			5216.00	
Recorder	0.00	6770	Inside	5216.00	
Drill Pipe	31.00			5247.00	
Change Over Sub	1.00			5248.00	
Perforations	7.00			5255.00	
Recorder	0.00	10993	Inside	5255.00	
Bullnose	3.00			5258.00	46.00 Bottom Packers & Anchor
Total Tool Length:	73.00				

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WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Oper.Co.LLC

Masters#1

125 N.Markert, Ste.1000
Wichita Ks.67202

26-31s-17w Comanche

Job Ticket: 22463

DST#: 4

ATTN: Pat Balthazor

Test Start: 2005.09.21 @ 18:05:45

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:

6400 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.56 in³

Gas Cushion Type:

Resistivity: 0.89 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	100% mud	0.295

Total Length:

60.00 ft

Total Volume:

0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

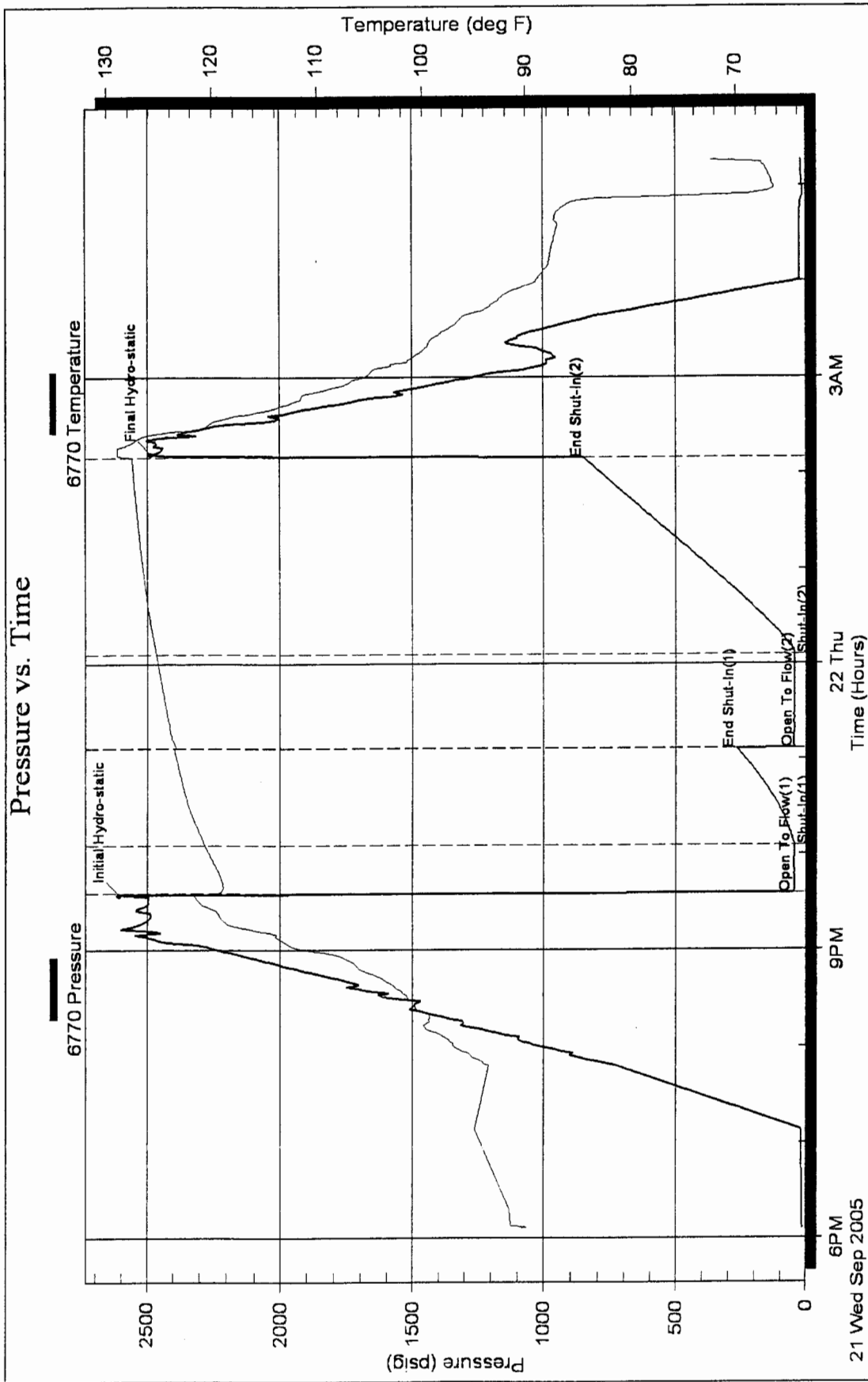
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



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