

DRILL STEM TEST REPORT

Prepared For: **Castelli Exploration Inc**

6908 NW 112th.st.
Ok City Ok 73162

ATTN: Tom Castelli

6-24s-22w Hodgeman

Whiteside-Hales #1-6

Start Date: 2005.10.07 @ 19:56:39

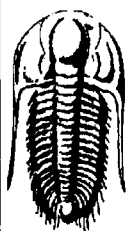
End Date: 2005.10.08 @ 05:08:08

Job Ticket #: 23769 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Castelli Exploration Inc

6908 NW 112th.st.
Ok City Ok 73162

ATTN: Tom Castelli

Whiteside-Hales #1-6

6-24s-22w Hodgeman

Job Ticket: 23769

DST#: 1

Test Start: 2005.10.07 @ 19:56:39

GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 22:20:38

Time Test Ended: 05:08:08

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **28**

Interval: **4528.00 ft (KB) To 4593.00 ft (KB) (TVD)**

Total Depth: **4593.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2274.00 ft (KB)**

2266.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 8167

Inside

Press@RunDepth: **105.16 psig @ 4532.01 ft (KB)**

Start Date: **2005.10.07**

End Date:

2005.10.08

Start Time: **19:56:39**

End Time:

05:08:08

Capacity: **7000.00 psig**

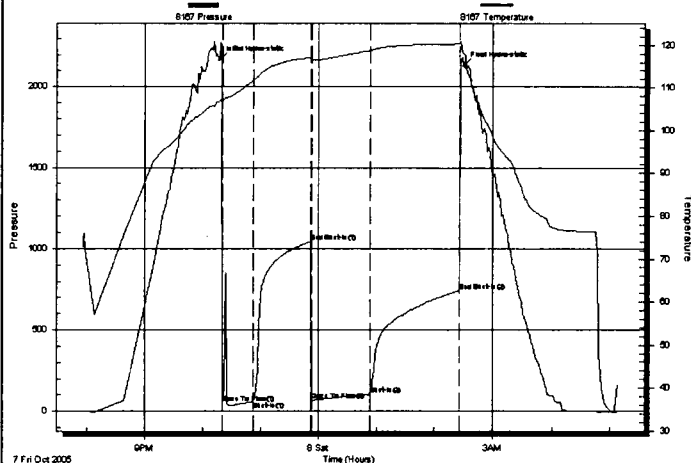
Last Calib.: **2005.10.08**

Time On Btm: **2005.10.07 @ 22:17:08**

Time Off Btm: **2005.10.08 @ 02:30:08**

TEST COMMENT: **FFP-wk to strg in 5 min**
FFP-wk to strg in 7 min
Times 30-60-60-90
ISP-1"bl bk FSP-1/4"bl bk

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2165.83	106.85	Initial Hydro-static
4	48.69	107.20	Open To Flow (1)
36	59.37	111.76	Shut-In(1)
95	1043.11	117.06	End Shut-In(1)
96	68.88	116.68	Open To Flow (2)
156	105.16	118.74	Shut-In(2)
249	741.08	120.30	End Shut-In(2)
253	2129.98	118.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	CO	1.47
120.00	MGO 30%G 45%O 25%M	1.68
0.00	1565'GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castelli Exploration Inc

Whiteside-Hales #1-6

6908 NW 112th.st.
Ok City Ok 73162

6-24s-22w Hodgeman

Job Ticket: 23769

DST#: 1

ATTN: Tom Castelli

Test Start: 2005.10.07 @ 19:56:39

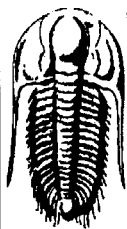
Tool Information

Drill Pipe:	Length: 4505.00 ft	Diameter: 3.80 inches	Volume: 63.19 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 63.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4528.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.02 ft			
Tool Length:	93.02 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			4501.00	
Shut In Tool	5.00			4506.00	
Hydraulic tool	5.00			4511.00	
Jars	5.00			4516.00	
Safety Joint	2.00			4518.00	
Packer	5.00			4523.00	28.00 Bottom Of Top Packer
Packer	5.00			4528.00	
Stubb	1.00			4529.00	
Perforations	3.00			4532.00	
Recorder	0.01	8167	Inside	4532.01	
Blank Spacing	33.00			4565.01	
Perforations	25.00			4590.01	
Recorder	0.01	13534	Outside	4590.02	
Bullnose	3.00			4593.02	65.02 Bottom Packers & Anchor

Total Tool Length: 93.02



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Castelli Exploration Inc

Whiteside-Hales #1-6

6908 NW 112th.st.
Ok City Ok 73162

6-24s-22w Hodgeman

Job Ticket: 23769

DST#: 1

ATTN: Tom Castelli

Test Start: 2005.10.07 @ 19:56:39

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	CO	1.473
120.00	MGO 30%G 45%O 25%M	1.683
0.00	1565'GIP	0.000

Total Length: 225.00 ft

Total Volume: 3.156 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

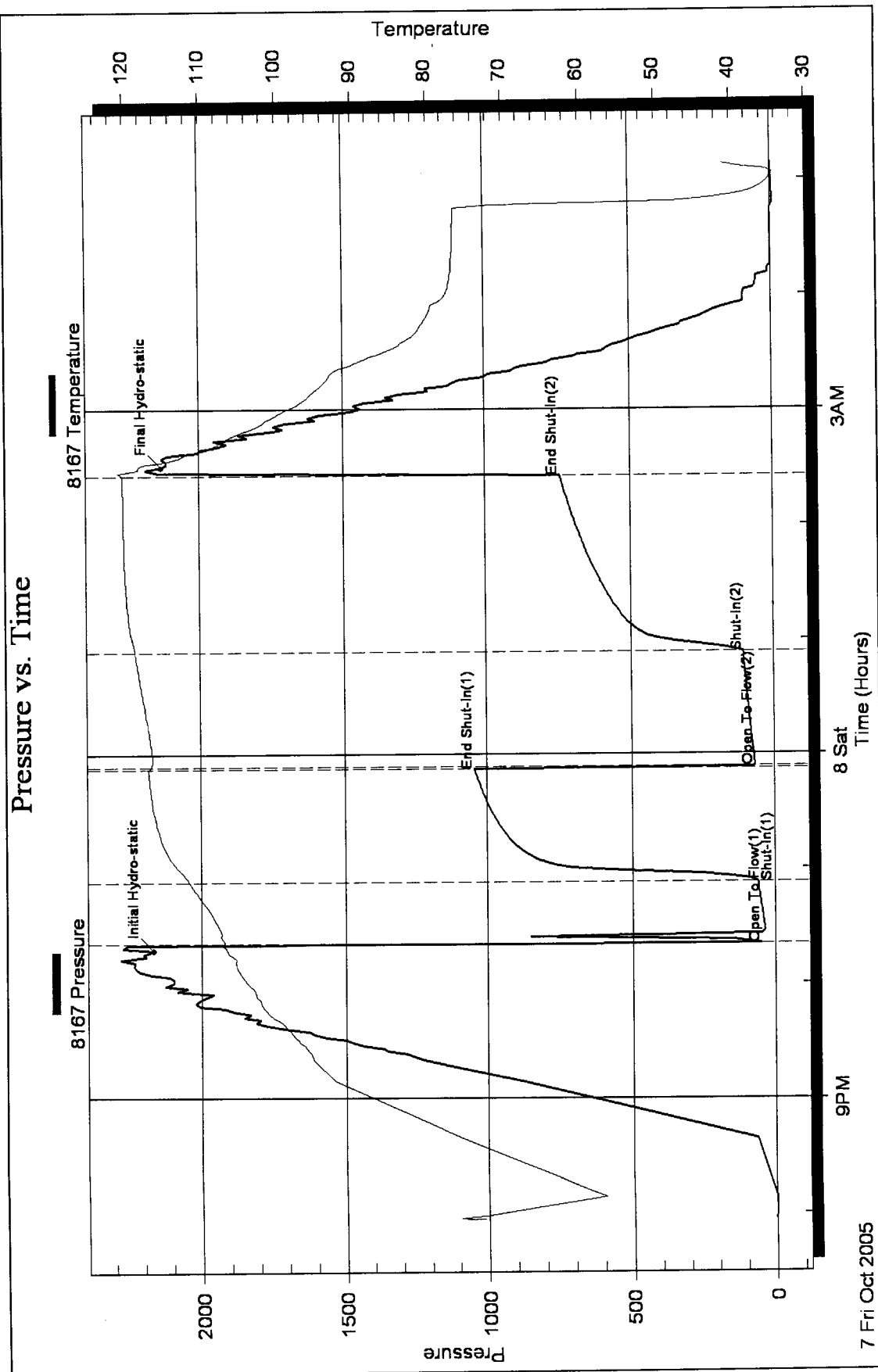
6-24s-22w Hodgeman

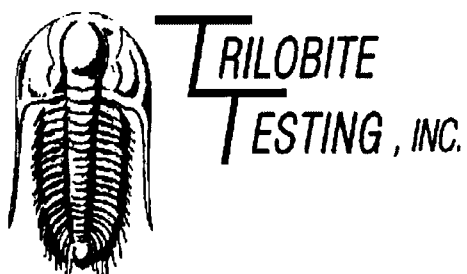
Castelli Exploration Inc

Inside

Serial #: 8167

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Castelli Exploration Inc**

6908 NW 112th.st.
Ok City Ok 73162

ATTN: Tom Castelli

6-24s-22w Hodgeman

Whiteside-Hales #1-6

Start Date: 2005.10.08 @ 16:32:48

End Date: 2005.10.08 @ 23:48:17

Job Ticket #: 23770 DST #: 2

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DRILL STEM TEST REPORT

Castelli Exploration Inc

6908 NW 112th.st.
Ok City Ok 73162

ATTN: Tom Castelli

Whiteside-Hales #1-6

6-24s-22w Hodgeman

Job Ticket: 23770

DST#: 2

Test Start: 2005.10.08 @ 16:32:48

GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 19:03:47

Time Test Ended: 23:48:17

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **28**

Interval: **4594.00 ft (KB) To 4607.00 ft (KB) (TVD)**

Total Depth: **4607.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2274.00 ft (KB)**

2266.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 8167

Inside

Press@RunDepth: **17.61 psig @ 4595.01 ft (KB)**

Start Date: **2005.10.08**

End Date: **2005.10.08**

Start Time: **16:32:48**

End Time: **23:48:17**

Capacity: **7000.00 psig**

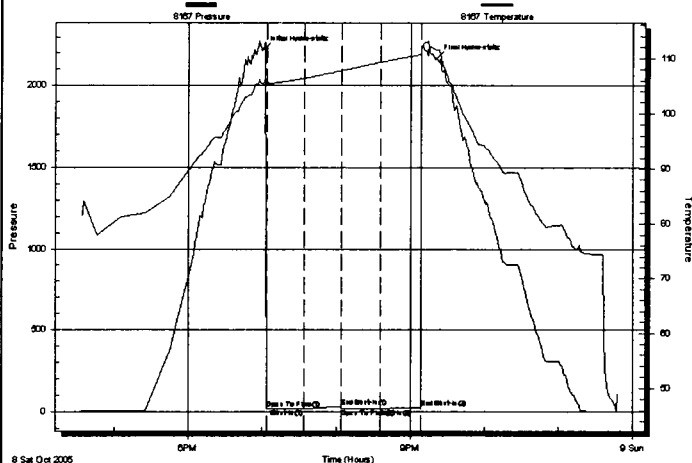
Last Calib.: **2005.10.08**

Time On Btm: **2005.10.08 @ 19:00:47**

Time Off Btm: **2005.10.08 @ 21:20:47**

TEST COMMENT: **FFP-surface bl died in 12 min**
FFP-no bl
Times 30-30-30-30

Pressure vs. Time



PRESSURE SUMMARY

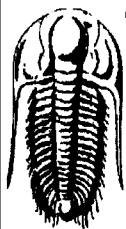
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2220.41	105.42	Initial Hydro-static
3	19.19	105.68	Open To Flow (1)
33	17.67	106.33	Shut-In(1)
63	30.92	107.75	End Shut-In(1)
64	18.25	107.76	Open To Flow (2)
95	17.61	109.28	Shut-In(2)
128	23.37	110.62	End Shut-In(2)
140	2164.57	111.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.07

Gas Rates

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

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6-24s-22w Hodgeman

Job Ticket: 23770

DST#: 2

ATTN: Tom Castelli

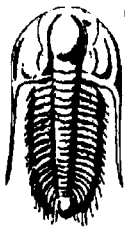
Test Start: 2005.10.08 @ 16:32:48

Tool Information

Drill Pipe:	Length: 4597.00 ft	Diameter: 3.80 inches	Volume: 64.48 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 64.48 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4594.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.02 ft			
Tool Length:	41.02 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			4567.00	
Shut In Tool	5.00			4572.00	
Hydraulic tool	5.00			4577.00	
Jars	5.00			4582.00	
Safety Joint	2.00			4584.00	
Packer	5.00			4589.00	28.00 Bottom Of Top Packer
Packer	5.00			4594.00	
Stubb	1.00			4595.00	
Recorder	0.01	8167	Inside	4595.01	
Perforations	9.00			4604.01	
Recorder	0.01	13534	Outside	4604.02	
Bullnose	3.00			4607.02	13.02 Bottom Packers & Anchor
Total Tool Length:		41.02			



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Job Ticket: 23770

DST#: 2

ATTN: Tom Castelli

Test Start: 2005.10.08 @ 16:32:48

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 14.54 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud	0.070

Total Length: 5.00 ft

Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8167

Inside

Castelli Exploration Inc

6-24s-22w

Hodgeman

DST Test Number: 2

Pressure vs. Time

