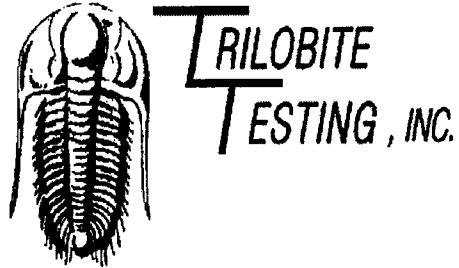


KCC
JUN 29 2006
CONFIDENTIAL



DRILL STEM TEST REPORT

Prepared For: **Richie Exploration Inc**

PO Box 783188
Wichita KS 67278-3188

ATTN: Tom Funk

8 29 31W Haskell KS

#1 Shriners

Start Date: 2006.04.22 @ 06:37:00

End Date: 2006.04.22 @ 14:53:39

Job Ticket #: 22969 DST #: 1

RECEIVED
JUN 30 2006
KCC WICHITA

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Richie Exploration Inc
 PO Box 783188
 Wichita KS 67278-3188
 ATTN: Tom Funk

#1 Shriners
8 29 31W Haskell KS
 Job Ticket: 22969 **DST#: 1**
 Test Start: 2006.04.22 @ 06:37:00

Tool Information

Drill Pipe:	Length: 2332.00 ft	Diameter: 4.50 inches	Volume: 45.87 bbl	Tool Weight: 2000.00 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: 310.00 ft	Diameter: 2.50 inches	Volume: 1.88 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 47.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	2640.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	136.00 ft			
Tool Length:	163.00 ft			
Number of Packers:	1	Diameter: 7.78 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2614.00	
Shut In Tool	5.00			2619.00	
Hydraulic tool	5.00			2624.00	
Jars	5.00			2629.00	
Safety Joint	2.00			2631.00	
Packer	5.00			2636.00	27.00 Bottom Of Top Packer
Packer	4.00			2640.00	
Stubb	1.00			2641.00	
Perforations	1.00			2642.00	
Change Over Sub	1.00			2643.00	
Recorder	0.00	8166	Inside	2643.00	
Drill Pipe	124.00			2767.00	
Change Over Sub	1.00			2768.00	
Perforations	5.00			2773.00	
Recorder	0.00	13761	Inside	2773.00	
Bullnose	3.00			2776.00	136.00 Bottom Packers & Anchor
Total Tool Length:	163.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Richie Exploration Inc
PO Box 783188
Wichita KS 67278-3188

ATTN: Tom Funk

#1 Shriners
8 29 31W Haskell KS
Job Ticket: 22969 **DST#: 1**
Test Start: 2006.04.22 @ 06:37:00

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: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.74 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	Mw /W 10%W 90%M	0.753

Total Length: 124.00 ft Total Volume: 0.753 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .144@99f

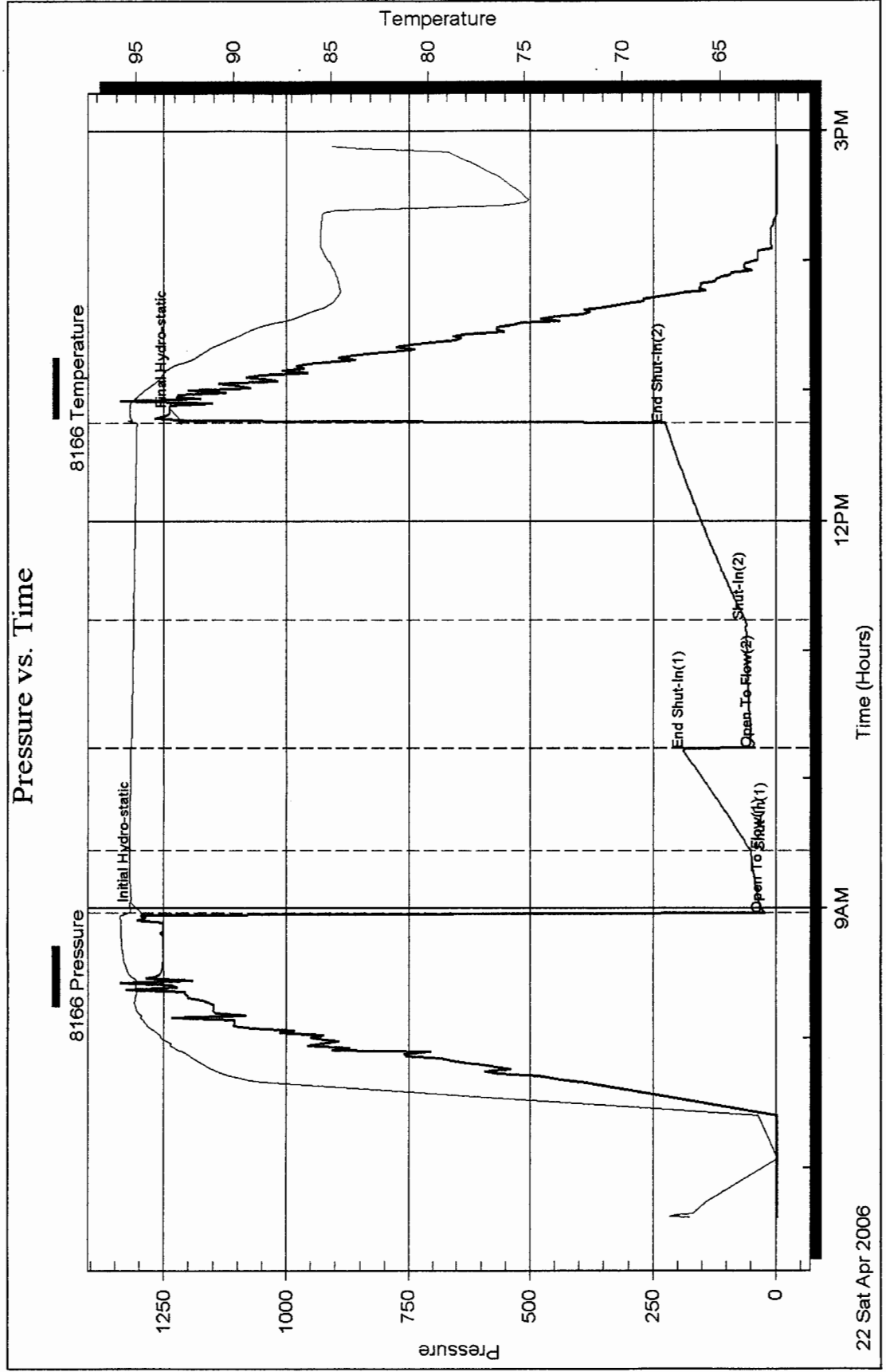
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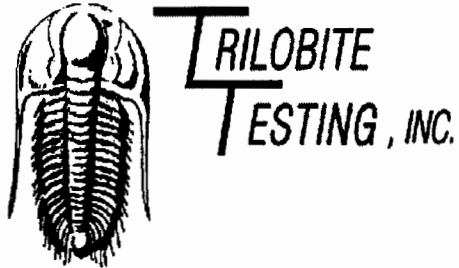
Inside

Richie Exploration Inc

8 29 31W Haskell KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Richie Exploration Inc**

PO Box 783188
Wichita KS 67278-3188

ATTN: Tom Funk

8 29 31W Haskell KS

#1 Shriners

Start Date: 2006.04.27 @ 01:45:45

End Date: 2006.04.27 @ 11:44:55

Job Ticket #: 22970 DST #: 2

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Richie Exploration Inc
 PO Box 783188
 Wichita KS 67278-3188
 ATTN: Tom Funk

#1 Shriners
8 29 31W Haskell KS
 Job Ticket: 22970 **DST#: 2**
 Test Start: 2006.04.27 @ 01:45:45

GENERAL INFORMATION:

Formation: **Altmont**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 05:46:40
 Tester: Alex Brechbuhler
 Time Test Ended: 11:44:55
 Unit No: 20
 Interval: **4780.00 ft (KB) To 4876.00 ft (KB) (TVD)**
 Reference Elevations: 2877.00 ft (KB)
 Total Depth: 4876.00 ft (KB) (TVD) 2869.00 ft (CF)
 Hole Diameter: 7.78 inches Hole Condition: Good KB to GR/CF: 8.00 ft

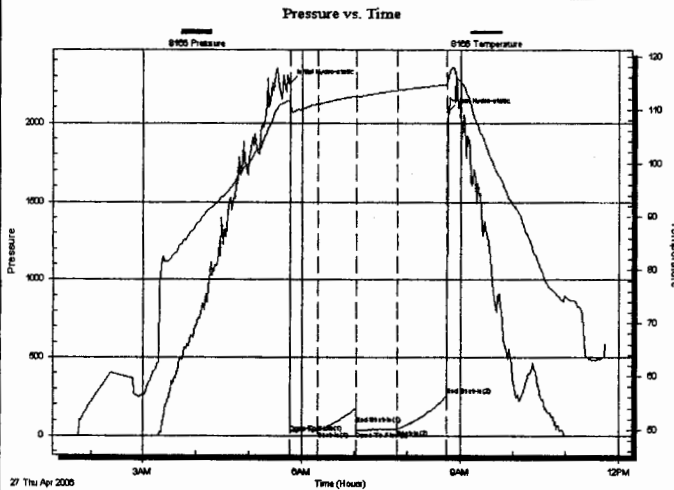
Serial #: 8166

Inside

Press@RunDepth: 44.75 psig @ 4879.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.04.27 End Date: 2006.04.27 Last Calib.: 1899.12.30
 Start Time: 01:45:45 End Time: 11:44:55 Time On Btrm: 2006.04.27 @ 05:46:25
 Time Off Btrm: 2006.04.27 @ 08:45:25

TEST COMMENT:

IF Weak surf blow
 ISI No blow back
 FF Weak surf blow
 FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.92	111.67	Initial Hydro-static
1	20.80	110.78	Open To Flow (1)
32	29.20	111.00	Shut-In(1)
76	74.50	112.53	End Shut-In(1)
76	32.00	112.51	Open To Flow (2)
123	44.75	113.60	Shut-In(2)
179	254.05	114.70	End Shut-In(2)
179	2072.33	115.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OSM 5%O 95%M	0.38
62.00	WM 10%W 90%M	0.38

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Richie Exploration Inc

#1 Shriners

PO Box 783188
Wichita KS 67278-3188

8 29 31W Haskell KS

Job Ticket: 22970

DST#: 2

ATTN: Tom Funk

Test Start: 2006.04.27 @ 01:45:45

Tool Information

Drill Pipe:	Length: 4545.00 ft	Diameter: 4.50 inches	Volume: 89.41 bbl	Tool Weight: 2000.00 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: 310.00 ft	Diameter: 2.50 inches	Volume: 1.88 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 91.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4876.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	123.00 ft			
Number of Packers:	2	Diameter: 7.78 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4850.00	
Shut In Tool	5.00			4855.00	
Hydraulic tool	5.00			4860.00	
Jars	5.00			4865.00	
Safety Joint	2.00			4867.00	
Packer	5.00			4872.00	27.00 Bottom Of Top Packer
Packer	4.00			4876.00	
Stubb	1.00			4877.00	
Perforations	1.00			4878.00	
Change Over Sub	1.00			4879.00	
Recorder	0.00	8166	Inside	4879.00	
Drill Pipe	62.00			4941.00	
Change Over Sub	1.00			4942.00	
Perforations	27.00			4969.00	
Recorder	0.00	13761	Inside	4969.00	
Bullnose	3.00			4972.00	96.00 Bottom Packers & Anchor
Total Tool Length:	123.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Richie Exploration Inc
PO Box 783188
Wichita KS 67278-3188
ATTN: Tom Funk

#1 Shriners
8 29 31W Haskell KS
Job Ticket: 22970 **DST#: 2**
Test Start: 2006.04.27 @ 01:45:45

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:	7500 ppm
Viscosity: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OSM 5%O 95%M	0.376
62.00	WM 10%W 90%M	0.376

Total Length: 124.00 ft Total Volume: 0.752 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW 0.600@94F

Serial #: 8166

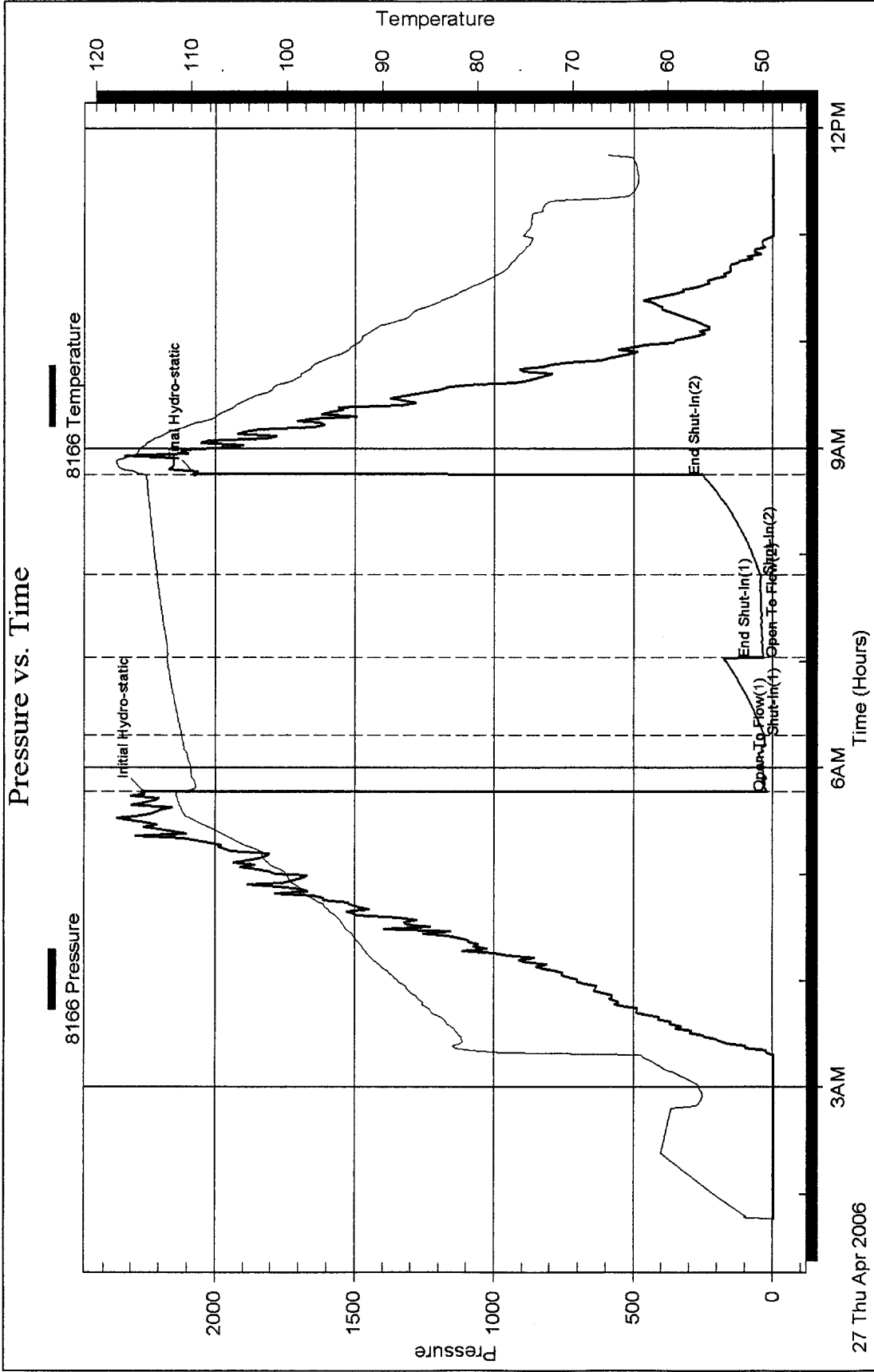
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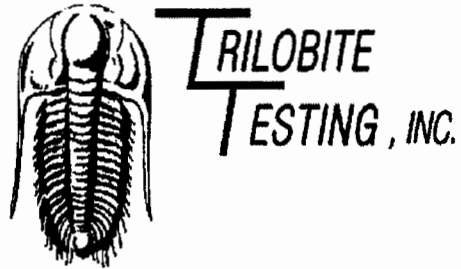
Richie Exploration Inc

8 29 31W Haskell KS

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Richie Exploration Inc**

PO Box 783188
Wichita KS 67278-3188

ATTN: Tom Funk

8 29 31W Haskell KS

#1 Shriners

Start Date: 2006.04.28 @ 07:42:55

End Date: 2006.04.28 @ 16:18:40

Job Ticket #: 22971 DST #: 3

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Richie Exploration Inc
 PO Box 783188
 Wichita KS 67278-3188
 ATTN: Tom Funk

#1 Shriners
8 29 31W Haskell KS
 Job Ticket: 22971 **DST#: 3**
 Test Start: 2006.04.28 @ 07:42:55

Tool Information

Drill Pipe:	Length: 4723.00 ft	Diameter: 3.80 inches	Volume: 66.25 bbl	Tool Weight: 2000.00 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: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 72000.00 lb
		Total Volume:	67.77 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	5036.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	1	Diameter: 7.78 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5015.00	
Hydraulic tool	5.00			5020.00	
Jars	5.00			5025.00	
Safety Joint	2.00			5027.00	
Packer	5.00			5032.00	26.00 Bottom Of Top Packer
Packer	4.00			5036.00	
Stubb	1.00			5037.00	
Perforations	2.00			5039.00	
Change Over Sub	1.00			5040.00	
Recorder	0.00	8166	Inside	5040.00	
Drill Pipe	31.00			5071.00	
Change Over Sub	1.00			5072.00	
Perforations	25.00			5097.00	
Recorder	0.00	13761	Inside	5097.00	
Bullnose	3.00			5100.00	64.00 Bottom Packers & Anchor

Total Tool Length: 90.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Richie Exploration Inc
PO Box 783188
Wichita KS 67278-3188

ATTN: Tom Funk

#1 Shriners
8 29 31W Haskell KS
Job Ticket: 22971 **DST#: 3**
Test Start: 2006.04.28 @ 07:42:55

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OCM 5%G 5%O 90%M	0.305
62.00	Mud w /little gas 2%G 98%M	0.305

Total Length: 124.00 ft Total Volume: 0.610 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8166

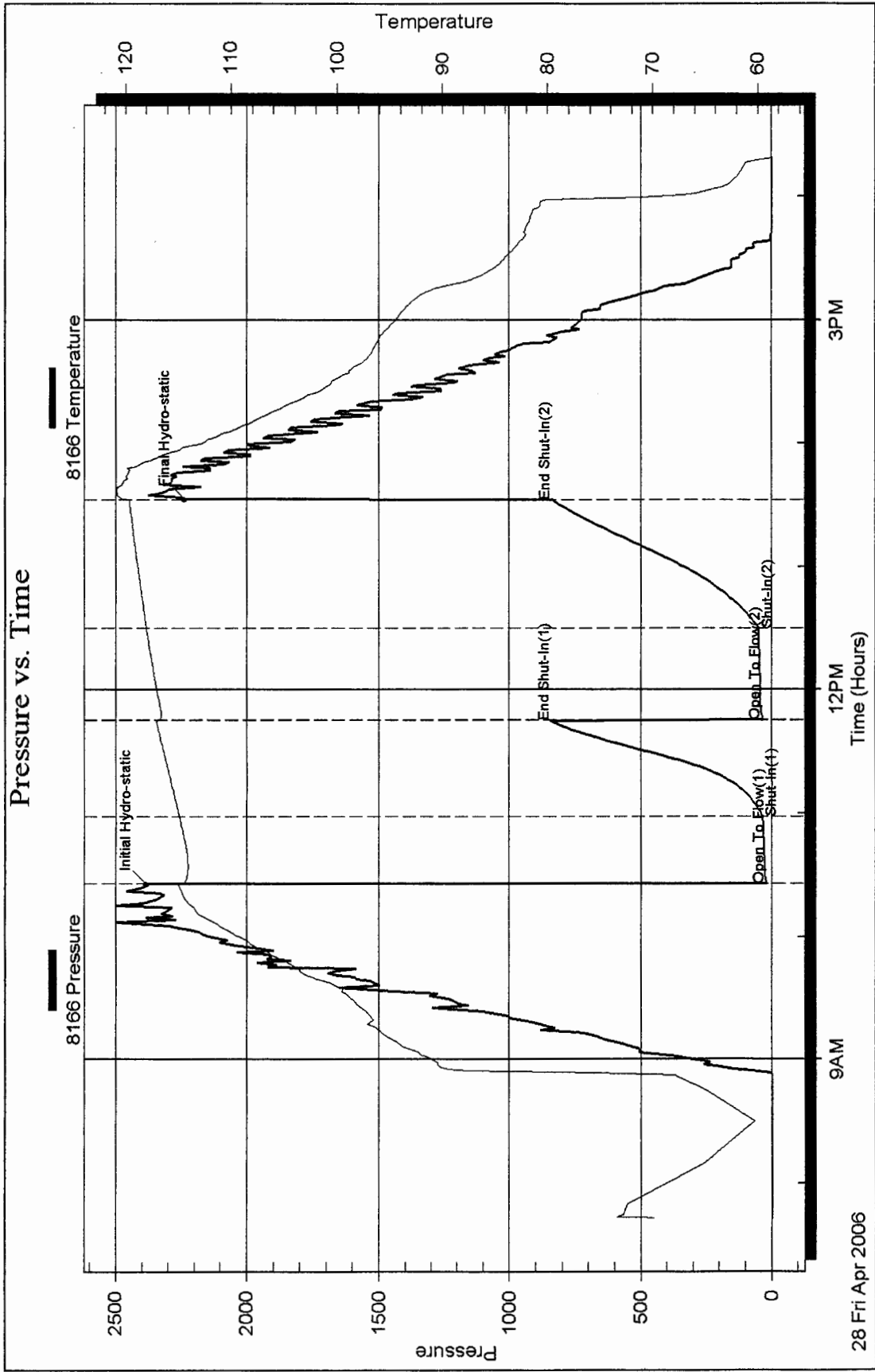
Inside

Richie Exploration Inc

8 29 31W Haskell KS

DST Test Number: 3

Pressure vs. Time



28 Fri Apr 2006

Trilobite Testing, Inc

Ref. No: 22971

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