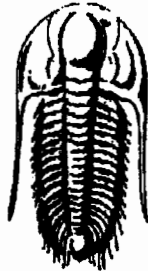


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CONFIDENTIAL  
MAR 24 2006  
KCC



**TRILOBITE  
TESTING, INC.**

### DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

150 N. Main Suite # 801 Wichita KS 67202

ATTN: Jon Christensen

**12/28S/33W**

**Cox 5-12**

Start Date: 2006.03.16 @ 17:25:54

End Date: 2006.03.17 @ 04:45:54

Job Ticket #: 22299                      DST #: 1

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

Abercrombie Energy, LLC

Cox 5-12

12/28S/33W

DST # 1

Pawnee

2006.03.16



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Abercrombie Energy, LLC  
150 N. Main Suite # 801 Wichita KS 67202  
ATTN: Jon Christensen

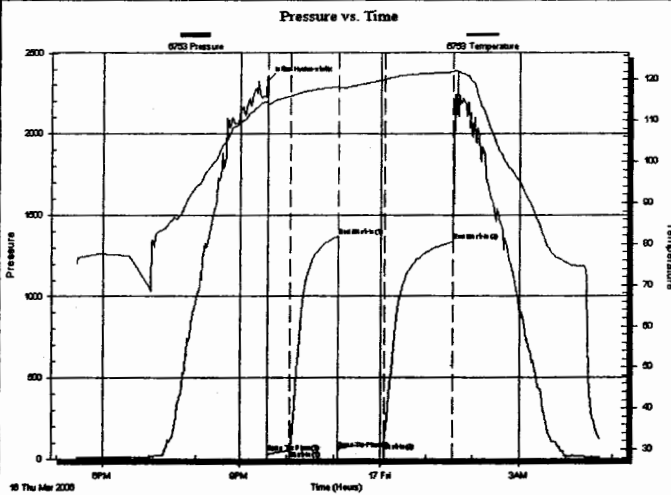
**Cox 5-12**  
**12/28S/33W**  
Job Ticket: 22299 **DST#: 1**  
Test Start: 2006.03.16 @ 17:25:54

## GENERAL INFORMATION:

Formation: **Pawnee**  
Deviated: **No Whipstock:** ft (KB)  
Time Tool Opened: 21:35:14  
Time Test Ended: 04:45:54  
Test Type: **Conventional Bottom Hole**  
Tester: **Chris Hagman**  
Unit No: **34**  
Interval: **4837.00 ft (KB) To 4873.00 ft (KB) (TVD)**  
Reference Elevations: **2966.00 ft (KB)**  
**2961.00 ft (CF)**  
Total Depth: **4873.00 ft (KB) (TVD)**  
Hole Diameter: **7.78 inches** Hole Condition: **Good**  
KB to GR/CF: **5.00 ft**

**Serial #: 6753** **Inside**  
Press@RunDepth: **97.47 psig @ 4839.00 ft (KB)** Capacity: **7000.00 psig**  
Start Date: **2006.03.16** End Date: **2006.03.17** Last Calib.: **1899.12.30**  
Start Time: **17:26:04** End Time: **04:45:53** Time On Btrm: **2006.03.16 @ 21:35:04**  
Time Off Btrm

**TEST COMMENT:** F: BOB 6 min., strong steady blow  
IS: No blow back  
FF: BOB 6 min., strong steady blow  
FS: No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2329.80	114.54	Initial Hydro-static
1	40.97	113.45	Open To Flow (1)
30	52.55	115.99	Shut-in(1)
90	1370.26	118.31	End Shut-in(1)
91	60.72	117.98	Open To Flow (2)
150	97.47	120.06	Shut-in(2)
241	1337.53	121.91	End Shut-in(2)

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	Spotted W/Oil, 100%M	0.91

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy, LLC

Cox 5-12

150 N. Main Suite # 801 Wichita KS 67202

12/28S/33W

Job Ticket: 22299

DST#: 1

ATTN: Jon Christensen

Test Start: 2006.03.16 @ 17:25:54

### Tool Information

Drill Pipe:	Length: 4509.00 ft	Diameter: 3.80 inches	Volume: 63.25 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: 311.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 64.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4837.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4815.00	
Shut In Tool	5.00			4820.00	
Hydraulic tool	5.00			4825.00	
Safety Joint	3.00			4828.00	
Packer	5.00			4833.00	23.00 Bottom Of Top Packer
Packer	4.00			4837.00	
Stubb	1.00			4838.00	
Perforations	1.00			4839.00	
Recorder	0.00	6753	Inside	4839.00	
Change Over Sub	1.00			4840.00	
Drill Pipe	30.00			4870.00	
Change Over Sub	1.00			4871.00	
Recorder	0.00	13630	Inside	4871.00	
Bullnose	2.00			4873.00	36.00 Bottom Packers & Anchor

**Total Tool Length: 59.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy, LLC

Cox 5-12

150 N. Main Suite # 801 Wichita KS 67202

12/28S/33W

ATTN: Jon Christensen

Job Ticket: 22299

DST#: 1

Test Start: 2006.03.16 @ 17:25:54

### 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:

5000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
186.00	Spotted W/Oil, 100%M	0.915

Total Length: 186.00 ft      Total Volume: 0.915 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=1.381@60F=5000ppm

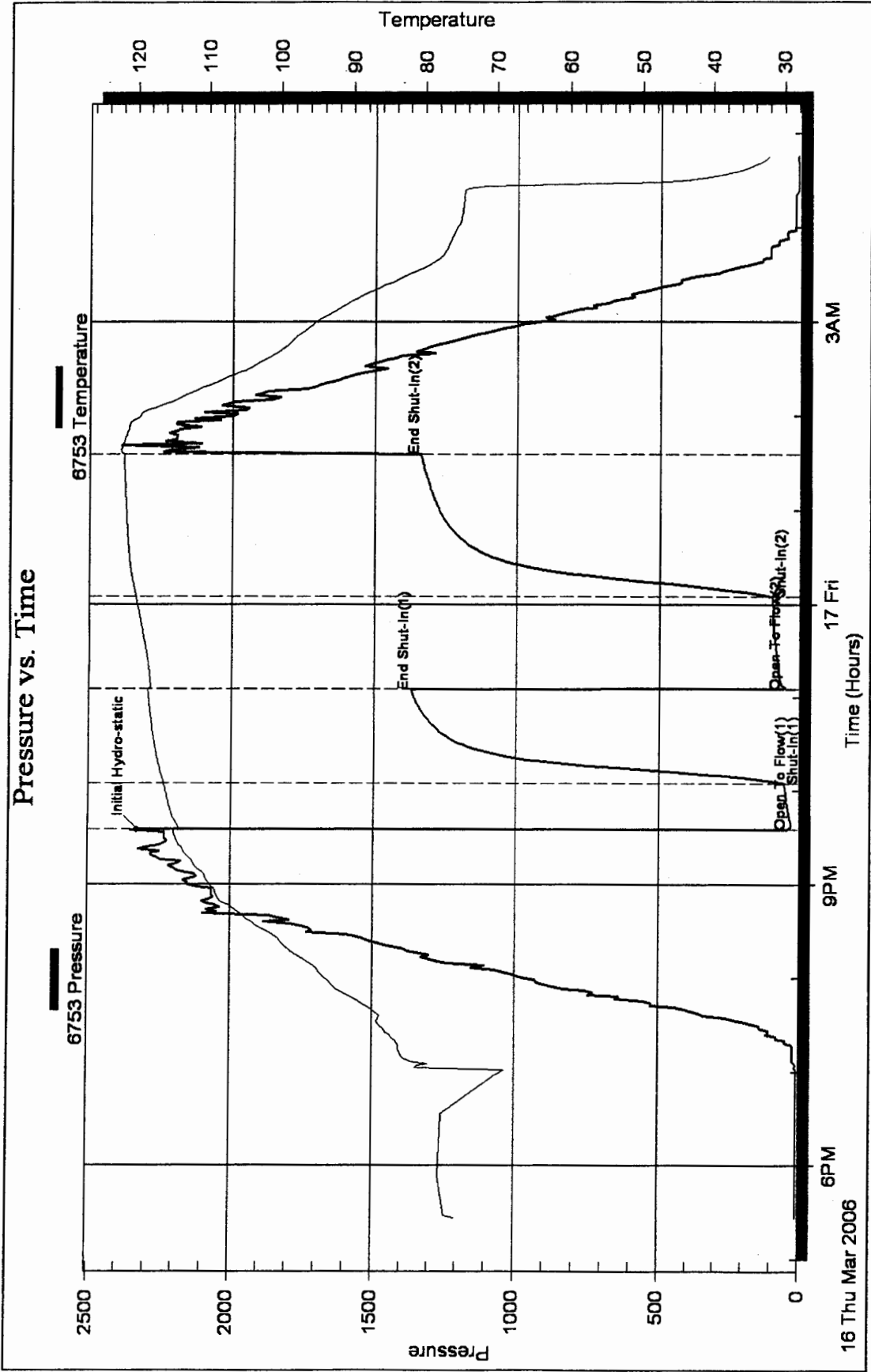
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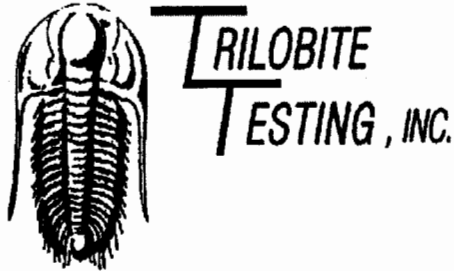
Inside

Abercrombie Energy, LLC

12/28S33W

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

150 N. Main Suite # 801 Wichita KS 67202

ATTN: Jon Christensen

**12/28S/33W**

**Cox 5-12**

Start Date: 2006.03.18 @ 02:48:32

End Date: 2006.03.18 @ 13:53:51

Job Ticket #: 22300                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRIOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Abercrombie Energy, LLC  
150 N. Main Suite # 801 Wichita KS 67202  
ATTN: Jon Christensen

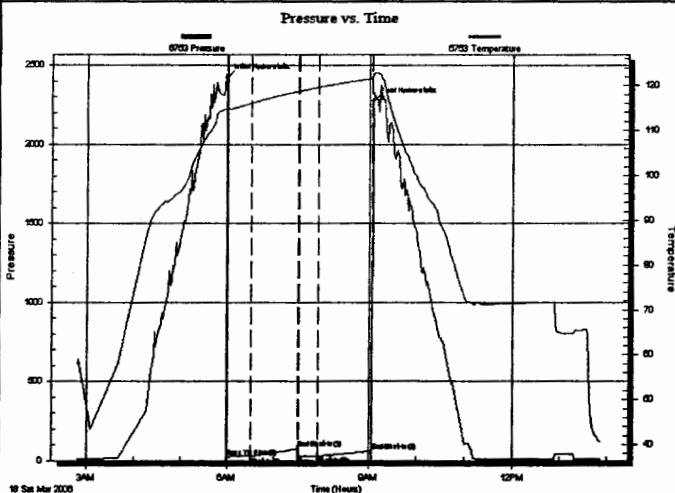
Cox 5-12  
12/28S/33W  
Job Ticket: 22300      DST#: 2  
Test Start: 2006.03.18 @ 02:48:32

### GENERAL INFORMATION:

Formation: **Atoka**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: 05:58:11  
Time Test Ended: 13:53:51  
Interval: **5008.00 ft (KB) To 5055.00 ft (KB) (TVD)**  
Total Depth: **5055.00 ft (KB) (TVD)**  
Hole Diameter: **7.78 inches** Hole Condition: **Good**  
Test Type: **Conventional Bottom Hole**  
Tester: **Chris Hagman**  
Unit No: **34**  
Reference Elevations: **2966.00 ft (KB)**  
**2961.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

**Serial #: 6753**      **Inside**  
Press@RunDepth: **28.05 psig @ 5010.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2006.03.18**      End Date: **2006.03.18**      Last Calib.: **1899.12.30**  
Start Time: **02:48:32**      End Time: **13:53:51**      Time On Btrm: **2006.03.18 @ 05:58:02**  
Time Off Btrm: **2006.03.18 @ 09:04:41**

**TEST COMMENT:** F: Weak surface blow, died 5 min.  
Ist: No blow back  
FF: Weak surface blow, died 5 min.  
FSI: No blow back



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2421.73	114.79	Initial Hydro-static
1	23.73	113.97	Open To Flow (1)
32	25.69	116.04	Shut-In(1)
93	75.90	118.69	End Shut-In(1)
93	25.01	118.70	Open To Flow (2)
118	28.05	119.62	Shut-In(2)
187	61.05	121.60	End Shut-In(2)
187	2271.84	122.44	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
30.00	100%M	0.15

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy, LLC

**Cox 5-12**

150 N. Main Suite # 801 Wichita KS 67202

**12/28S/33W**

Job Ticket: 22300

**DST#: 2**

ATTN: Jon Christensen

Test Start: 2006.03.18 @ 02:48:32

### Tool Information

Drill Pipe:	Length: 4818.00 ft	Diameter: 3.80 inches	Volume: 67.58 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 68.49 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	5008.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4986.00	
Shut In Tool	5.00			4991.00	
Hydraulic tool	5.00			4996.00	
Safety Joint	3.00			4999.00	
Packer	5.00			5004.00	23.00 Bottom Of Top Packer
Packer	4.00			5008.00	
Stubb	1.00			5009.00	
Perforations	1.00			5010.00	
Recorder	0.00	6753	Inside	5010.00	
Perforations	9.00			5019.00	
Change Over Sub	1.00			5020.00	
Drill Pipe	31.00			5051.00	
Change Over Sub	1.00			5052.00	
Recorder	0.00	13630	Inside	5052.00	
Bullnose	3.00			5055.00	47.00 Bottom Packers & Anchor

**Total Tool Length: 70.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy, LLC  
150 N. Main Suite # 801 Wichita KS 67202  
ATTN: Jon Christensen

Cox 5-12  
**12/28S/33W**  
Job Ticket: 22300      **DST#: 2**  
Test Start: 2006.03.18 @ 02:48:32

### 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:	5500 ppm
Viscosity: 76.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.39 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100%M	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: RW=1.450@55F=5500

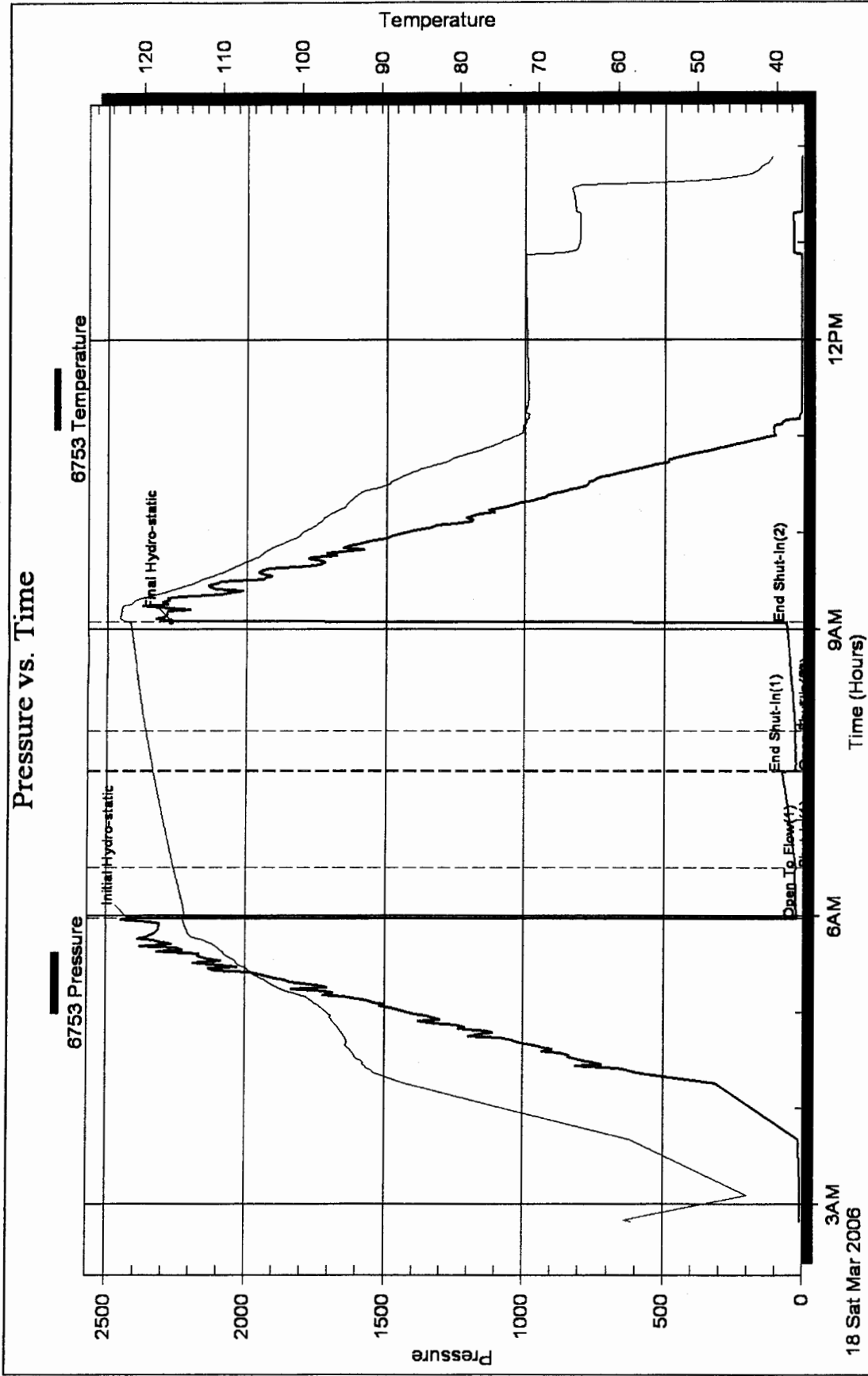
Serial #: 6753

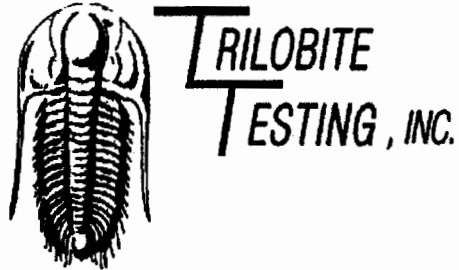
Inside

Abercrombie Energy, LLC

12/28S33W

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

150 N. Main Suite # 801 Wichita KS 67202

ATTN: Jon Christensen

**12/28S/33W**

**Cox 5-12**

Start Date: 2006.03.19 @ 23:14:10

End Date: 2006.03.20 @ 09:59:20

Job Ticket #: 22963                      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

Abercrombie Energy, LLC  
 150 N. Main Suite # 801 Wichita KS 67202  
 ATTN: Jon Christensen

**Cox 5-12**  
**12/28S/33W**  
 Job Ticket: 22963      DST#: 3  
 Test Start: 2006.03.19 @ 23:14:10

### GENERAL INFORMATION:

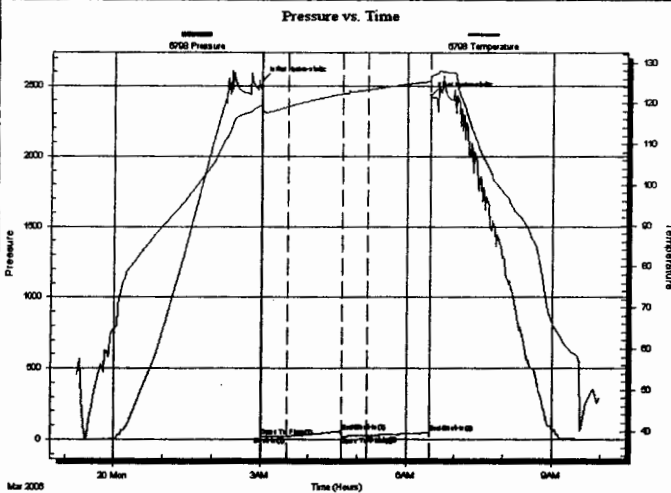
Formation: **Chester**  
 Deviated: **No** Whipstock:      ft (KB)  
 Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: 03:02:00  
 Tester: **Dustin Rash**  
 Time Test Ended: 09:59:20  
 Unit No: **20**  
 Interval: **5335.00 ft (KB) To 5383.00 ft (KB) (TVD)**  
 Reference Elevations: **2966.00 ft (KB)**  
 Total Depth: **5383.00 ft (KB) (TVD)**  
**2961.00 ft (CF)**  
 Hole Diameter: **7.78 inches** Hole Condition: **Good**  
 KB to GRVCF: **5.00 ft**

### Serial #: 6798

Inside

Press@RunDepth: **26.52 psig @ 5339.00 ft (KB)** Capacity: **7000.00 psig**  
 Start Date: **2006.03.19** End Date: **2006.03.20** Last Calib.: **1899.12.30**  
 Start Time: **23:14:10** End Time: **09:59:20** Time On Btrn: **2006.03.20 @ 03:01:50**  
 Time Off Btrn: **2006.03.20 @ 06:29:20**

TEST COMMENT: F-Weak blow. Built to top of water. Died after 4 min.  
 SI-No blow back.  
 FF- No blow. Flushed tool. No blow.  
 FSI- No blow back.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2538.65	119.71	Initial Hydro-static
1	19.27	118.43	Open To Flow (1)
32	19.06	119.18	Shut-In(1)
99	57.52	122.33	End Shut-In(1)
99	21.34	122.31	Open To Flow (2)
130	26.52	123.34	Shut-In(2)
207	45.68	125.46	End Shut-In(2)
208	2434.72	126.36	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% Mud	0.10

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy, LLC

**Cox 5-12**

150 N. Main Suite # 801 Wichita KS 67202

**12/28S/33W**

Job Ticket: 22963

**DST#: 3**

ATTN: Jon Christensen

Test Start: 2006.03.19 @ 23:14:10

## Tool Information

Drill Pipe:	Length: 5153.00 ft	Diameter: 3.80 inches	Volume: 72.28 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 5000.00 lb
		Total Volume: 73.19 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	5335.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5309.00	
Shut In Tool	5.00			5314.00	
Hydraulic tool	5.00			5319.00	
Jars	5.00			5324.00	
Safety Joint	2.00			5326.00	
Packer	5.00			5331.00	27.00 Bottom Of Top Packer
Packer	4.00			5335.00	
Stubb	1.00			5336.00	
Perforations	2.00			5338.00	
Change Over Sub	1.00			5339.00	
Recorder	0.00	6798	Inside	5339.00	
Drill Pipe	31.00			5370.00	
Change Over Sub	1.00			5371.00	
Perforations	9.00			5380.00	
Recorder	0.00	10993	Inside	5380.00	
Bullnose	3.00			5383.00	48.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>75.00</b>				



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy, LLC  
150 N. Main Suite # 801 Wichita KS 67202  
ATTN: Jon Christensen

Cox 5-12  
12/28S/33W  
Job Ticket: 22963      DST#: 3  
Test Start: 2006.03.19 @ 23:14:10

### 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:	4300 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 3.54 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100% Mud	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

Serial #: 6798

Inside

Abercrombie Energy, LLC

1228S33W

DST Test Number: 3

### Pressure vs. Time

