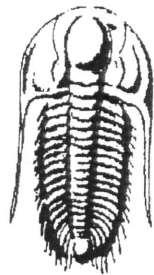


24-11-18W



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

CONFIDENTIAL

Prepared For: **Lario Oil & Gas Co**

ORIGINAL 10 S Market
Wichita Ks 67202

KCC

JUN 20 2006

ATTN: John Hastings

24-11-18-Ellis-Ks

CONFIDENTIAL

Marshall E # 25

Start Date: 2005.03.10 @ 14:55:47

End Date: 2005.03.10 @ 21:24:17

Job Ticket #: 21881

DST #: 1

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

Lario Oil & Gas Co

Marshall E # 25

24-11-18-Ellis-Ks

DST # 1

Topeka

2005.03.10



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21881

DST#: 1

ATTN: John Hastings

Test Start: 2005.03.10 @ 14:55:47

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:02:17

Time Test Ended: 21:24:17

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: 2943.00 ft (KB) To 2997.00 ft (KB) (TVD)

Total Depth: 2997.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1992.00 ft (KB)

1987.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799 Inside

Press@RunDepth: 40.70 psig @ 2949.00 ft (KB)

Start Date: 2005.03.10

End Date:

2005.03.10

Capacity: 7000.00 psig

Last Calib.: 2005.03.10

Start Time: 14:55:48

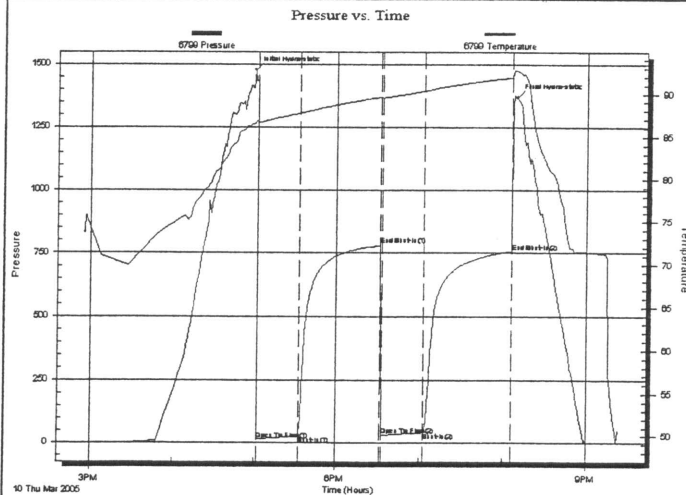
End Time:

21:24:17

Time On Btm: 2005.03.10 @ 16:59:47

Time Off Btm: 2005.03.10 @ 20:09:47

TEST COMMENT: IF-Weak steady 1/4" blow
FF-No blow for first 20 min - then slight surface blow
Times-30-60-30-60



PRESSURE SUMMARY

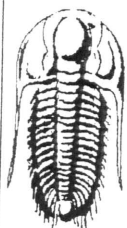
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1477.35	86.61	Initial Hydro-static
3	13.35	86.60	Open To Flow (1)
33	27.83	87.70	Shut-In(1)
92	781.26	89.63	End Shut-In(1)
93	29.11	89.53	Open To Flow (2)
124	40.70	90.32	Shut-In(2)
187	756.67	91.92	End Shut-In(2)
190	1369.77	92.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	DM w / oil spots in tool	0.30

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21881

DST#: 1

ATTN: John Hastings

Test Start: 2005.03.10 @ 14:55:47

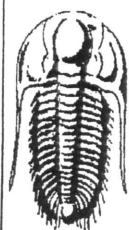
Tool Information

Drill Pipe:	Length: 2749.00 ft	Diameter: 3.80 inches	Volume: 38.56 bbl	Tool Weight: 1800.00 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: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 45000.00 lb
			Total Volume: 39.46 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	2943.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 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			2923.00	
Shut In Tool	5.00			2928.00	
Hydraulic tool	5.00			2933.00	
Packer	5.00			2938.00	21.00 Bottom Of Top Packer
Packer	5.00			2943.00	
Stubb	1.00			2944.00	
Perforations	4.00			2948.00	
Change Over Sub	1.00			2949.00	
Recorder	0.00	6799	Inside	2949.00	
Drill Pipe	29.00			2978.00	
Change Over Sub	1.00			2979.00	
Recorder	0.00	13254	Outside	2979.00	
Perforations	15.00			2994.00	
Bullnose	3.00			2997.00	54.00 Bottom Packers & Anchor

Total Tool Length: 75.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21881

DST#: 1

ATTN: John Hastings

Test Start: 2005.03.10 @ 14:55:47

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: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	DM w / oil spots in tool	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:

Serial #: 6799

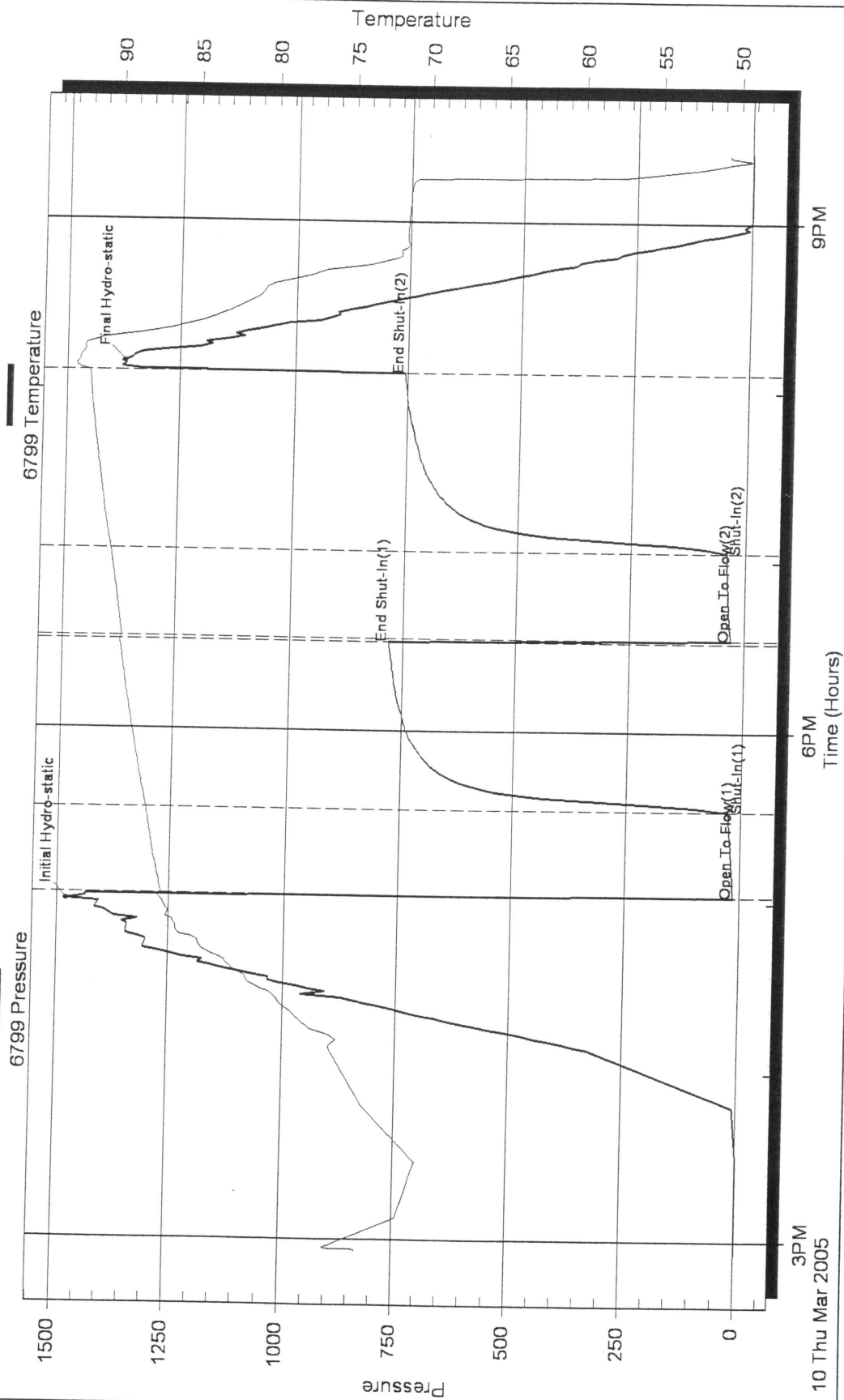
Inside

Lario Oil & Gas Co

24-11-18-Ellis-Ks

DST Test Number: 1

Pressure vs. Time

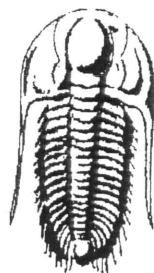


Trilobite Testing, Inc

Ref. No: 21881

Printed: 2005.03.18 @ 10:44:38 Page 5

24-11-18W



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas Co**

301 S Market
Wichita Ks 67202

ATTN: John Hastings

24-11-18-Ellis-Ks

Marshall E # 25

Start Date: 2005.03.11 @ 13:50:46

End Date: 2005.03.11 @ 20:53:16

Job Ticket #: 21882 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Lario Oil & Gas Co

Marshall E # 25

24-11-18-Ellis-Ks

DST # 2

Topeka/Toronto/KC A

2005.03.11



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co

301 S Market
Wichita Ks 67202

ATTN: John Hastings

Marshall E # 25

24-11-18-Ellis-Ks

Job Ticket: 21882

DST#: 2

Test Start: 2005.03.11 @ 13:50:46

GENERAL INFORMATION:

Formation: **Topeka/Toronto/KC A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:39:46

Time Test Ended: 20:53:16

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3124.00 ft (KB) To 3225.00 ft (KB) (TVD)**

Total Depth: 3225.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1992.00 ft (KB)

1987.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 85.50 psig @ 3130.00 ft (KB)

Start Date: 2005.03.11

End Date:

2005.03.11

Start Time: 13:50:47

End Time:

20:53:16

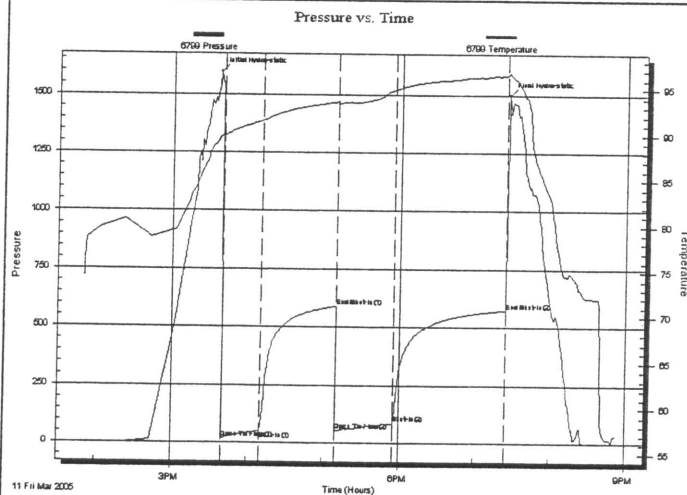
Capacity: 7000.00 psig

Last Calib.: 2005.03.11

Time On Btm: 2005.03.11 @ 15:37:16

Time Off Btm: 2005.03.11 @ 19:26:46

TEST COMMENT: IF-Weak building to 2"
FF-Weak steady surface blow
Times-30-60-45-90



PRESSURE SUMMARY

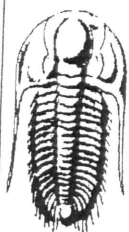
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1594.48	89.70	Initial Hydro-static
3	15.98	89.27	Open To Flow (1)
33	51.06	91.55	Shut-In (1)
92	587.39	93.62	End Shut-In (1)
93	52.35	93.49	Open To Flow (2)
138	85.50	94.95	Shut-In (2)
228	572.77	96.56	End Shut-In (2)
230	1498.98	96.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	DM	0.61

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21882

DST#: 2

ATTN: John Hastings

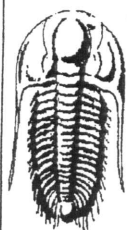
Test Start: 2005.03.11 @ 13:50:46

Tool Information

Drill Pipe:	Length: 2931.00 ft	Diameter: 3.80 inches	Volume: 41.11 bbl	Tool Weight: 1800.00 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: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 42.01 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3124.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	101.00 ft			
Tool Length:	122.00 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			3104.00	
Shut In Tool	5.00			3109.00	
Hydraulic tool	5.00			3114.00	
Packer	5.00			3119.00	21.00 Bottom Of Top Packer
Packer	5.00			3124.00	
Stubb	1.00			3125.00	
Perforations	4.00			3129.00	
Change Over Sub	1.00			3130.00	
Recorder	0.00	6799	Inside	3130.00	
Drill Pipe	63.00			3193.00	
Change Over Sub	1.00			3194.00	
Recorder	0.00	13254	Outside	3194.00	
Perforations	28.00			3222.00	
Bullnose	3.00			3225.00	101.00 Bottom Packers & Anchor
Total Tool Length:	122.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21882

DST#: 2

ATTN: John Hastings

Test Start: 2005.03.11 @ 13:50:46

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	DM	0.615

Total Length: 125.00 ft Total Volume: 0.615 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

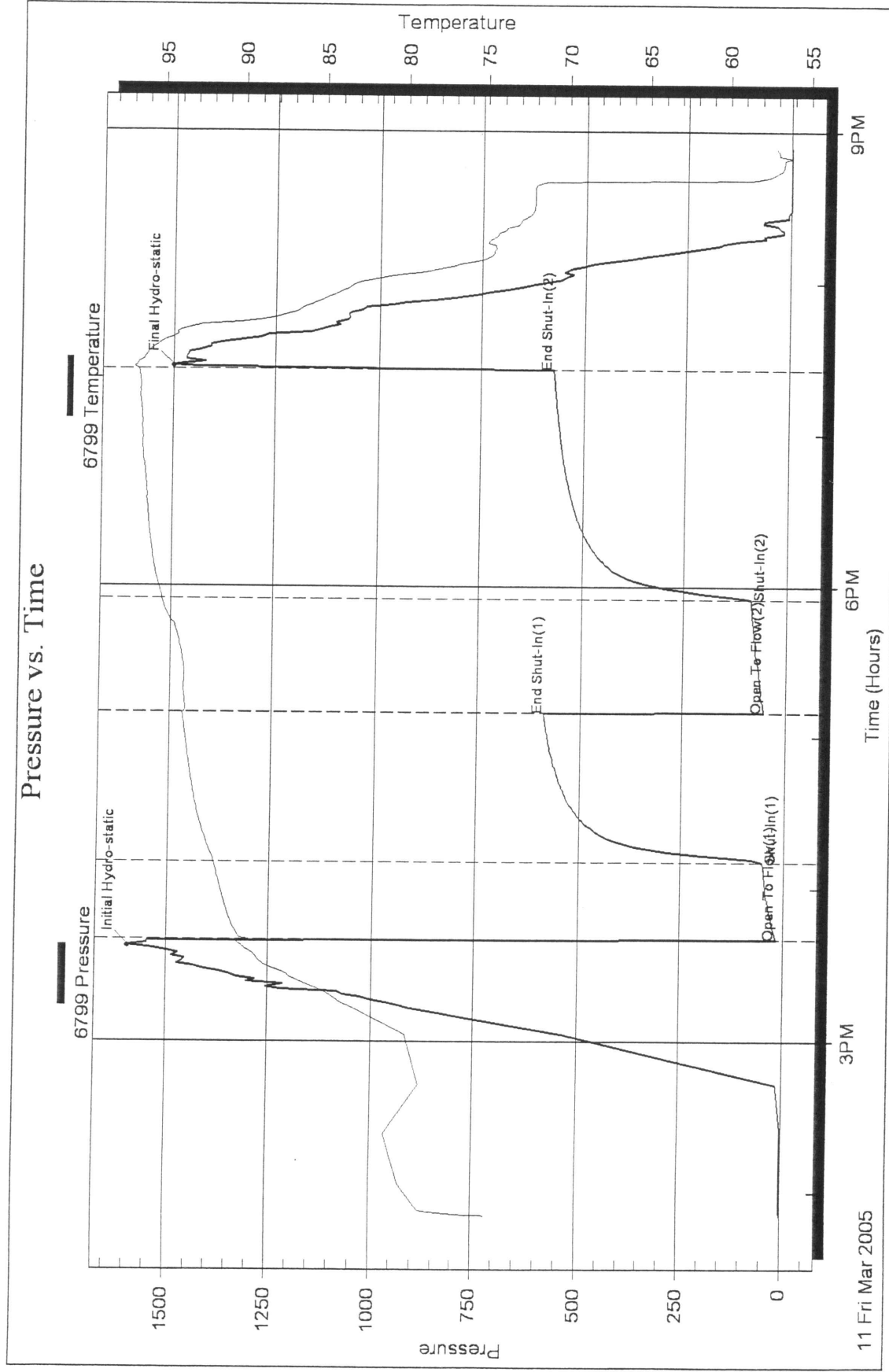
Serial #: 6799

Inside

Lario Oil & Gas Co

24-11-18-Ellis-Ks

DST Test Number: 2

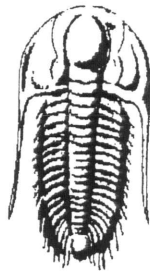


Trilobite Testing, Inc

Ref. No: 21882

Printed: 2005.03.18 @ 10:45:15 Page 5

24-11-18W



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas Co**

301 S Market
Wichita Ks 67202

ATTN: John Hastings

24-11-18-Ellis-Ks

Marshall E # 25

Start Date: 2005.03.12 @ 06:25:09

End Date: 2005.03.12 @ 13:24:39

Job Ticket #: 21883 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

Lario Oil & Gas Co

301 S Market
Wichita Ks 67202

ATTN: John Hastings

Marshall E # 25

24-11-18-Ellis-Ks

Job Ticket: 21883

DST#: 3

Test Start: 2005.03.12 @ 06:25:09

GENERAL INFORMATION:

Formation: **B-G LKC**

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

Time Tool Opened: 08:03:09

Time Test Ended: 13:24:39

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **21**

Interval: **3225.00 ft (KB) To 3320.00 ft (KB) (TVD)**

Total Depth: **3320.00 ft (KB) (TVD)**

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

Reference Elevations: **1992.00 ft (KB)**

1987.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6799

Inside

Press@RunDepth: **96.58 psig @ 3231.00 ft (KB)**

Start Date: **2005.03.12**

End Date: **2005.03.12**

Start Time: **06:25:10**

End Time: **13:24:39**

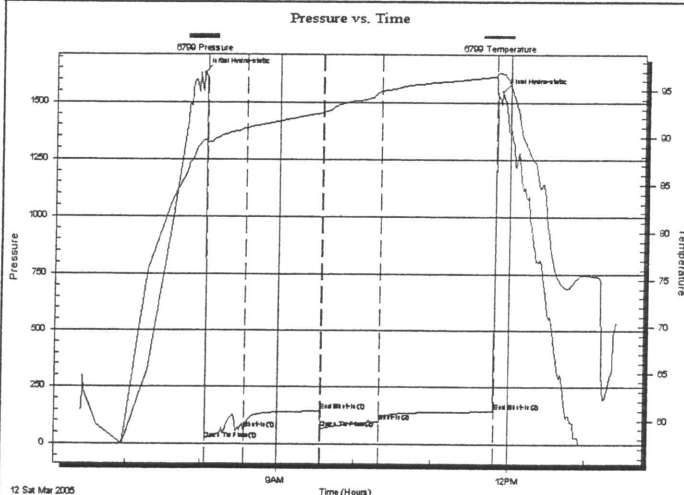
Capacity: **7000.00 psig**

Last Calib.: **2005.03.12**

Time On Btm: **2005.03.12 @ 08:00:39**

Time Off Btm: **2005.03.12 @ 11:53:39**

TEST COMMENT: IF-Weak building to 1 1/2" - then decreasing to 3/4" in 30 min
FF-Weak steady surface blow
Times-30-60-45-90



PRESSURE SUMMARY

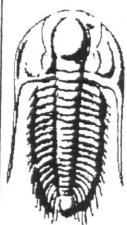
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.13	89.67	Initial Hydro-static
3	18.83	89.42	Open To Flow (1)
34	62.53	90.94	Shut-In(1)
93	142.75	92.58	End Shut-In(1)
94	65.97	92.57	Open To Flow (2)
139	96.58	94.89	Shut-In(2)
228	142.71	96.48	End Shut-In(2)
233	1546.59	96.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	DM	0.59

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21883

DST#: 3

ATTN: John Hastings

Test Start: 2005.03.12 @ 06:25:09

Tool Information

Drill Pipe:	Length: 3053.00 ft	Diameter: 3.80 inches	Volume: 42.83 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:	25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	43.73 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3225.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	95.00 ft				
Tool Length:	116.00 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			3205.00	
Shut In Tool	5.00			3210.00	
Hydraulic tool	5.00			3215.00	
Packer	5.00			3220.00	21.00 Bottom Of Top Packer
Packer	5.00			3225.00	
Stubb	1.00			3226.00	
Perforations	4.00			3230.00	
Change Over Sub	1.00			3231.00	
Recorder	0.00	6799	Inside	3231.00	
Drill Pipe	62.00			3293.00	
Change Over Sub	1.00			3294.00	
Recorder	0.00	13254	Outside	3294.00	
Perforations	23.00			3317.00	
Bullnose	3.00			3320.00	95.00 Bottom Packers & Anchor

Total Tool Length: 116.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21883

DST#: 3

ATTN: John Hastings

Test Start: 2005.03.12 @ 06:25:09

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.18 in³

Resistivity: ohm.m

Salinity: 9500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft
bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	DM	0.590

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

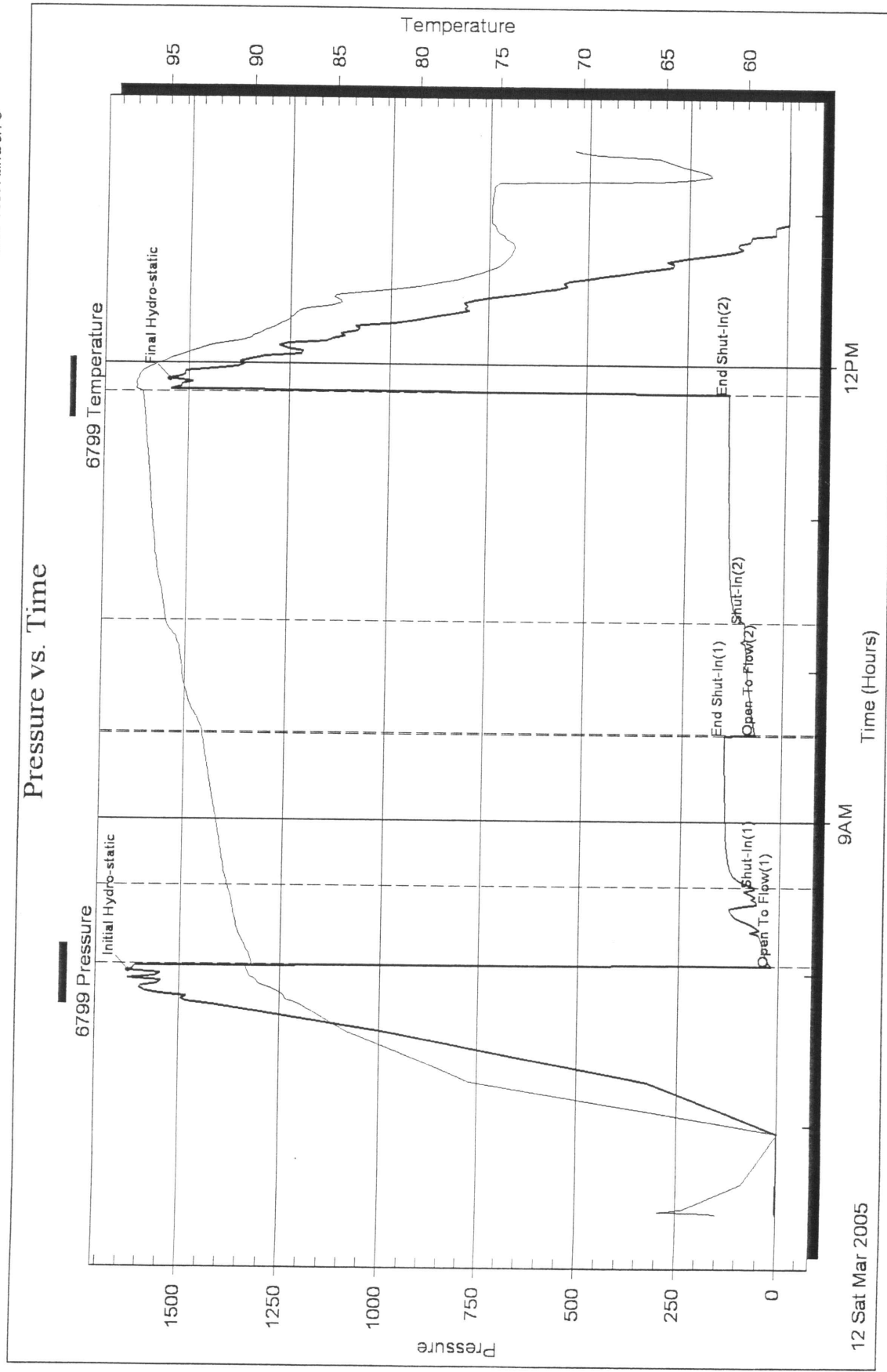
Serial #: 6799

Inside

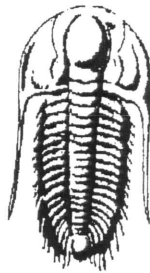
Lario Oil & Gas Co

24-11-18-Elis-Ks

DST Test Number: 3



24-11-18W



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas Co**

301 S Market
Wichita Ks 67202

ATTN: John Hastings

24-11-18-Ellis-Ks

Marshall E # 25

Start Date: 2005.03.13 @ 02:50:16

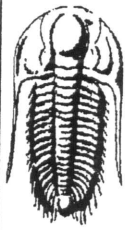
End Date: 2005.03.13 @ 10:27:16

Job Ticket #: 21884 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas Co

301 S Market
Wichita Ks 67202

ATTN: John Hastings

Marshall E # 25

24-11-18-Ellis-Ks

Job Ticket: 21884

DST#: 4

Test Start: 2005.03.13 @ 02:50:16

GENERAL INFORMATION:

Formation: H-L LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:36:16

Time Test Ended: 10:27:16

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: 3324.00 ft (KB) To 3450.00 ft (KB) (TVD)

Total Depth: 3450.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1992.00 ft (KB)

1987.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 205.51 psig @ 3330.00 ft (KB)

Start Date: 2005.03.13

End Date:

2005.03.13

Start Time: 02:50:17

End Time:

10:27:16

Capacity: 7000.00 psig

Last Calib.: 2005.03.13

Time On Btm: 2005.03.13 @ 04:33:46

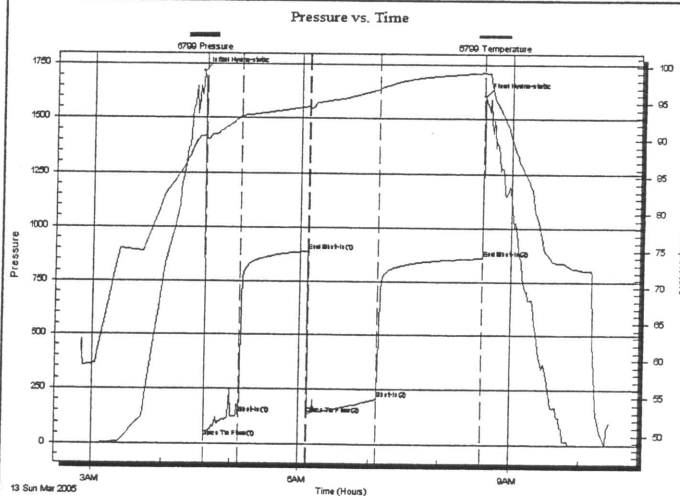
Time Off Btm: 2005.03.13 @ 08:36:46

TEST COMMENT: IF-Weak building to 7" fair blow

FF-Weak building to 3"

Times-30-60-60-90

Minor plugging on both opens



PRESSURE SUMMARY

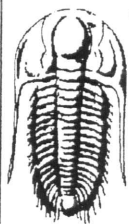
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1716.74	90.45	Initial Hydro-static
3	25.31	90.07	Open To Flow (1)
34	132.91	93.00	Shut-In(1)
92	887.41	94.44	End Shut-In(1)
93	134.69	94.24	Open To Flow (2)
153	205.51	96.89	Shut-In(2)
242	859.71	99.13	End Shut-In(2)
243	1606.74	99.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	Wtr Rw .12 @ 78 = 86000ppm	0.61
60.00	Sitly OC Mdy Wtr 5%o 75%w 20%m	0.30
236.00	MCO 60%o 40%m	3.31
10.00	CO	0.14
0.00	60 GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21884

DST#: 4

ATTN: John Hastings

Test Start: 2005.03.13 @ 02:50:16

Tool Information

Drill Pipe:	Length: 3145.00 ft	Diameter: 3.80 inches	Volume: 44.12 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: 25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume: 45.02 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3324.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	126.00 ft			
Tool Length:	147.00 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			3304.00	
Shut In Tool	5.00			3309.00	
Hydraulic tool	5.00			3314.00	
Packer	5.00			3319.00	21.00 Bottom Of Top Packer
Packer	5.00			3324.00	
Stubb	1.00			3325.00	
Perforations	4.00			3329.00	
Change Over Sub	1.00			3330.00	
Recorder	0.00	6799	Inside	3330.00	
Drill Pipe	93.00			3423.00	
Change Over Sub	1.00			3424.00	
Recorder	0.00	13254	Outside	3424.00	
Perforations	23.00			3447.00	
Bullnose	3.00			3450.00	126.00 Bottom Packers & Anchor

Total Tool Length: 147.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21884

DST#: 4

ATTN: John Hastings

Test Start: 2005.03.13 @ 02:50:16

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	Wtr Rw .12 @ 78 = 86000ppm	0.610
60.00	Silty OCMdy Wtr 5%o 75%w 20%m	0.295
236.00	MCO 60%o 40%m	3.310
10.00	CO	0.140
0.00	60 GIP	0.000

Total Length: 430.00 ft

Total Volume: 4.355 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

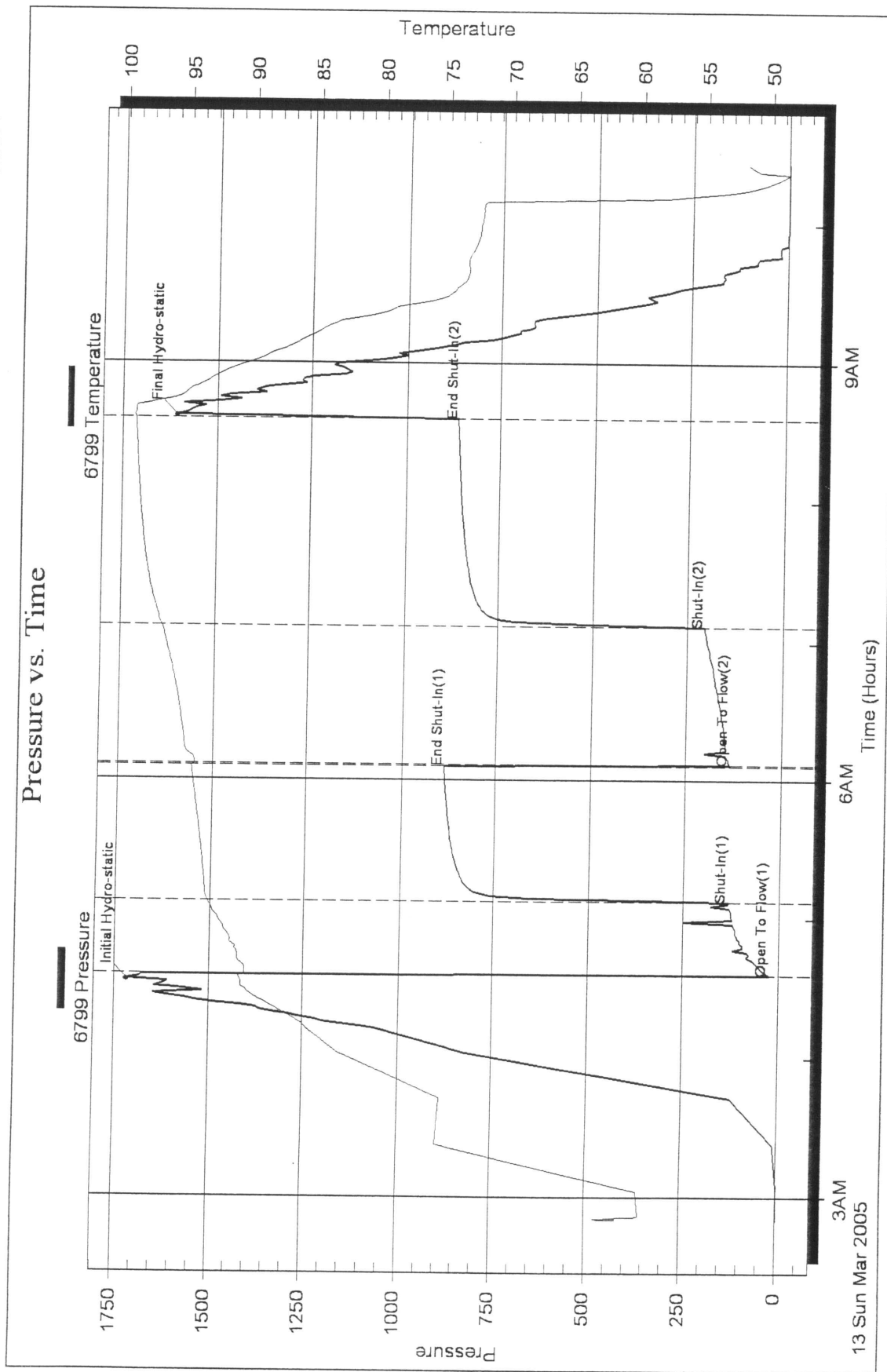
Serial #: 6799

Inside

Lario Oil & Gas Co

24-11-18-Elis-Ks

DST Test Number: 4

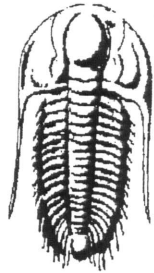


Trilobite Testing, Inc

Ref. No: 21884

Printed: 2005.03.18 @ 10:53:27 Page 5

24-11-18W



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas Co**

301 S Market
Wichita Ks 67202

ATTN: John Hastings

24-11-18-Ellis-Ks

Marshall E # 25

Start Date: 2005.03.13 @ 23:20:50

End Date: 2005.03.14 @ 05:39:20

Job Ticket #: 21885 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co

301 S Market
Wichita Ks 67202

ATTN: John Hastings

Marshall E # 25

24-11-18-Ellis-Ks

Job Ticket: 21885

DST#: 5

Test Start: 2005.03.13 @ 23:20:50

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:06:20

Time Test Ended: 05:39:20

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3514.00 ft (KB) To 3535.00 ft (KB) (TVD)**

Total Depth: 3535.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1992.00 ft (KB)

1987.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 17.83 psig @ 3515.00 ft (KB)

Start Date: 2005.03.13

End Date:

2005.03.14

Capacity: 7000.00 psig

Last Calib.: 2005.03.14

Start Time: 23:20:51

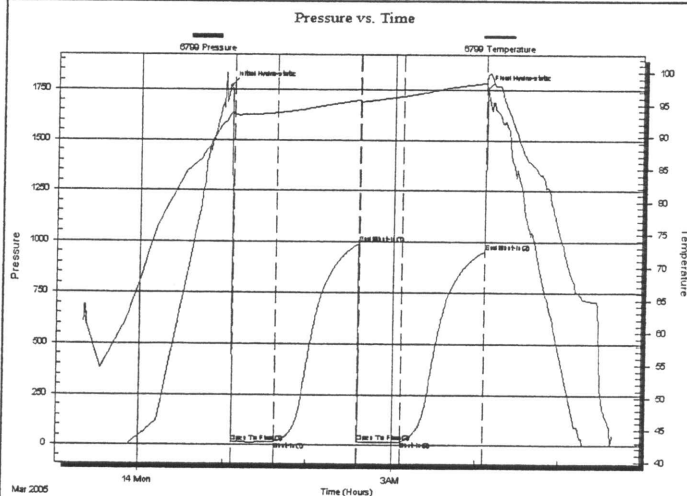
End Time:

05:39:20

Time On Btrn: 2005.03.14 @ 01:03:50

Time Off Btrn: 2005.03.14 @ 04:06:20

TEST COMMENT: IF-Weak died in 20 min
FF-No blow
Times-30-60-30-60



PRESSURE SUMMARY

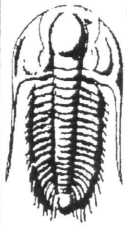
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1769.27	93.59	Initial Hydro-static
3	12.25	93.53	Open To Flow (1)
33	13.86	93.74	Shut-In (1)
92	990.11	95.70	End Shut-In (1)
92	13.93	95.39	Open To Flow (2)
123	17.83	96.34	Shut-In (2)
182	953.43	98.38	End Shut-In (2)
183	1756.18	99.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 30% @ 70% m	0.02

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21885

DST#: 5

ATTN: John Hastings

Test Start: 2005.03.13 @ 23:20:50

Tool Information

Drill Pipe:	Length: 3332.00 ft	Diameter: 3.80 inches	Volume: 46.74 bbl	Tool Weight: 1300.00 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: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 47.64 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3514.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	42.00 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			3494.00	
Shut In Tool	5.00			3499.00	
Hydraulic tool	5.00			3504.00	
Packer	5.00			3509.00	21.00 Bottom Of Top Packer
Packer	5.00			3514.00	
Stubb	1.00			3515.00	
Recorder	0.00	6799	Inside	3515.00	
Perforations	17.00			3532.00	
Recorder	0.00	13254	Outside	3532.00	
Bullnose	3.00			3535.00	21.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21885

DST#: 5

ATTN: John Hastings

Test Start: 2005.03.13 @ 23:20:50

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: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 30%o 70%m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6799

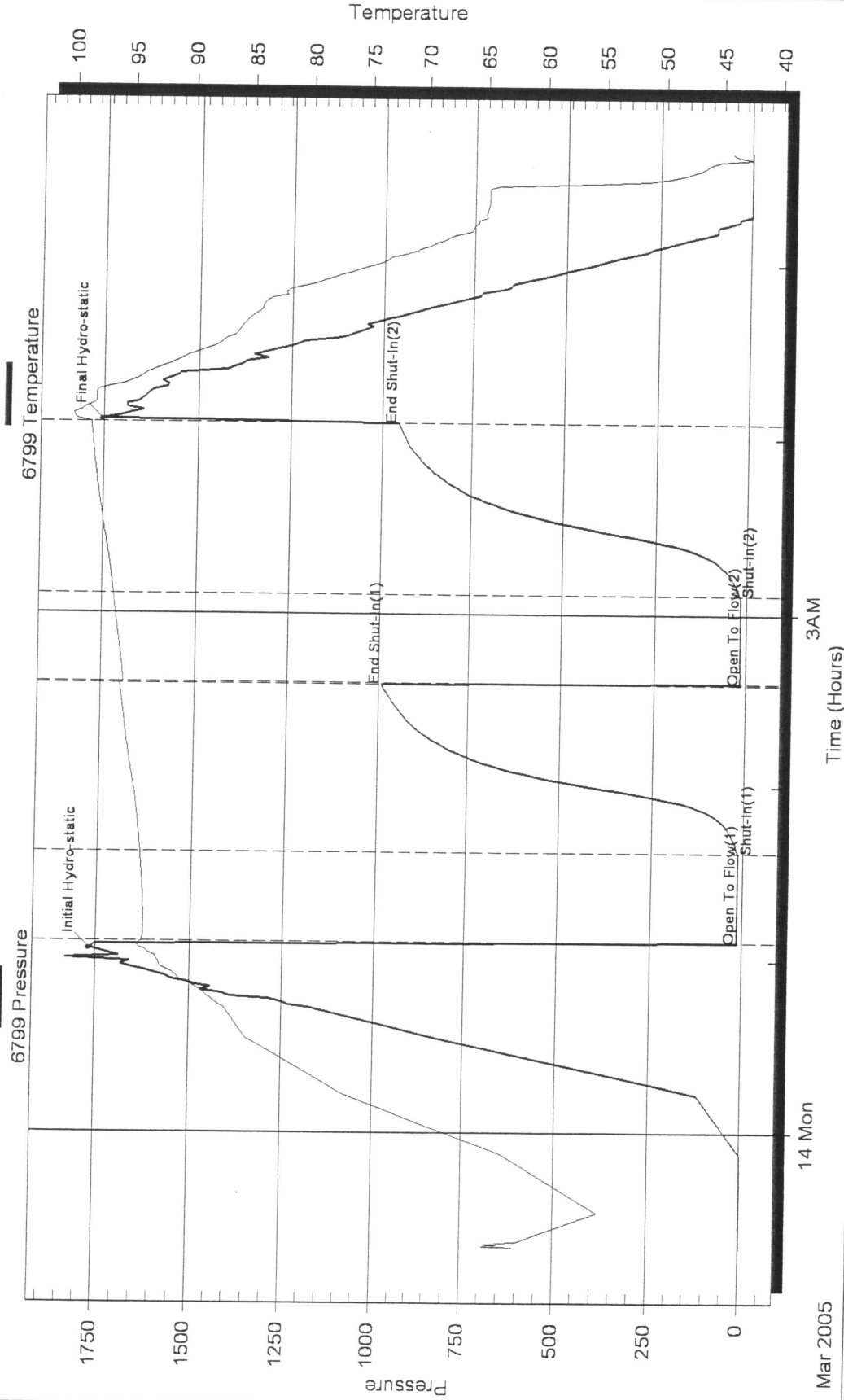
Inside

Lario Oil & Gas Co

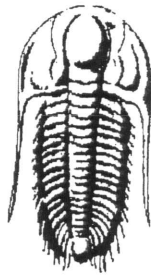
24-11-18-Ellis-Ks

DST Test Number: 5

Pressure vs. Time



24-11-18W



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas Co**

301 S Market
Wichita Ks 67202

ATTN: John Hastings

24-11-18-Ellis-Ks

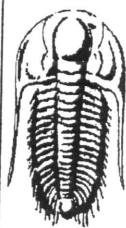
Marshall E # 25

Start Date: 2005.03.14 @ 11:35:47

End Date: 2005.03.14 @ 16:49:47

Job Ticket #: 21886 DST #: 6

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas Co

301 S Market
Wichita Ks 67202

ATTN: John Hastings

Marshall E # 25

24-11-18-Ellis-Ks

Job Ticket: 21886

DST#: 6

Test Start: 2005.03.14 @ 11:35:47

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:23:17

Time Test Ended: 16:49:47

Interval: **3514.00 ft (KB) To 3540.00 ft (KB) (TVD)**

Total Depth: 3540.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Reference Elevations: 1992.00 ft (KB)

1987.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 20.22 psig @ 3515.00 ft (KB)

Start Date: 2005.03.14

End Date:

2005.03.14

Start Time: 11:35:48

End Time:

16:49:47

Capacity: 7000.00 psig

Last Calib.: 2005.03.14

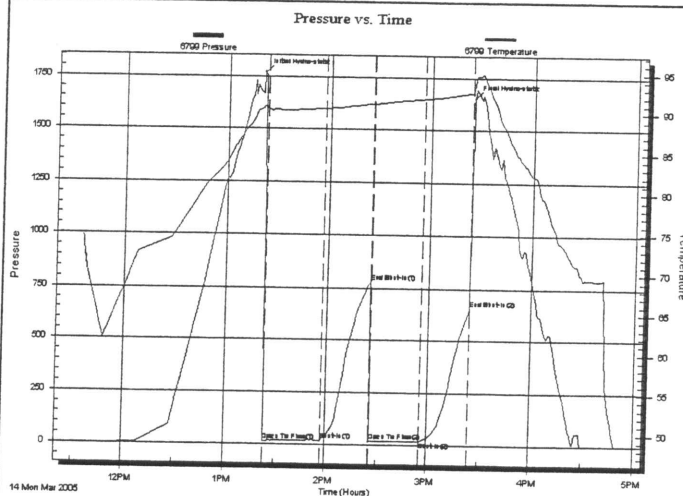
Time On Btmr 2005.03.14 @ 13:21:17

Time Off Btmr 2005.03.14 @ 15:25:17

TEST COMMENT: IF-Weak died in 18 min

FF-No blow

Times-30-30-30-30



PRESSURE SUMMARY

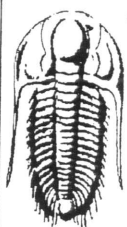
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1767.67	90.76	Initial Hydro-static
2	12.53	90.40	Open To Flow (1)
36	19.98	90.53	Shut-In(1)
64	782.43	91.17	End Shut-In(1)
65	17.54	91.06	Open To Flow (2)
95	20.22	91.79	Shut-In(2)
123	656.19	92.60	End Shut-In(2)
124	1649.99	93.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w / oil spots	0.02

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21886

DST#: 6

ATTN: John Hastings

Test Start: 2005.03.14 @ 11:35:47

Tool Information

Drill Pipe:	Length: 3332.00 ft	Diameter: 3.80 inches	Volume: 46.74 bbl	Tool Weight: 1300.00 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: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume: 47.64 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3514.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	47.00 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			3494.00	
Shut In Tool	5.00			3499.00	
Hydraulic tool	5.00			3504.00	
Packer	5.00			3509.00	21.00 Bottom Of Top Packer
Packer	5.00			3514.00	
Stubb	1.00			3515.00	
Recorder	0.00	6799	Inside	3515.00	
Perforations	22.00			3537.00	
Recorder	0.00	13254	Outside	3537.00	
Bullnose	3.00			3540.00	26.00 Bottom Packers & Anchor
Total Tool Length:	47.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21886

DST#: 6

ATTN: John Hastings

Test Start: 2005.03.14 @ 11:35:47

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w / oil spots	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

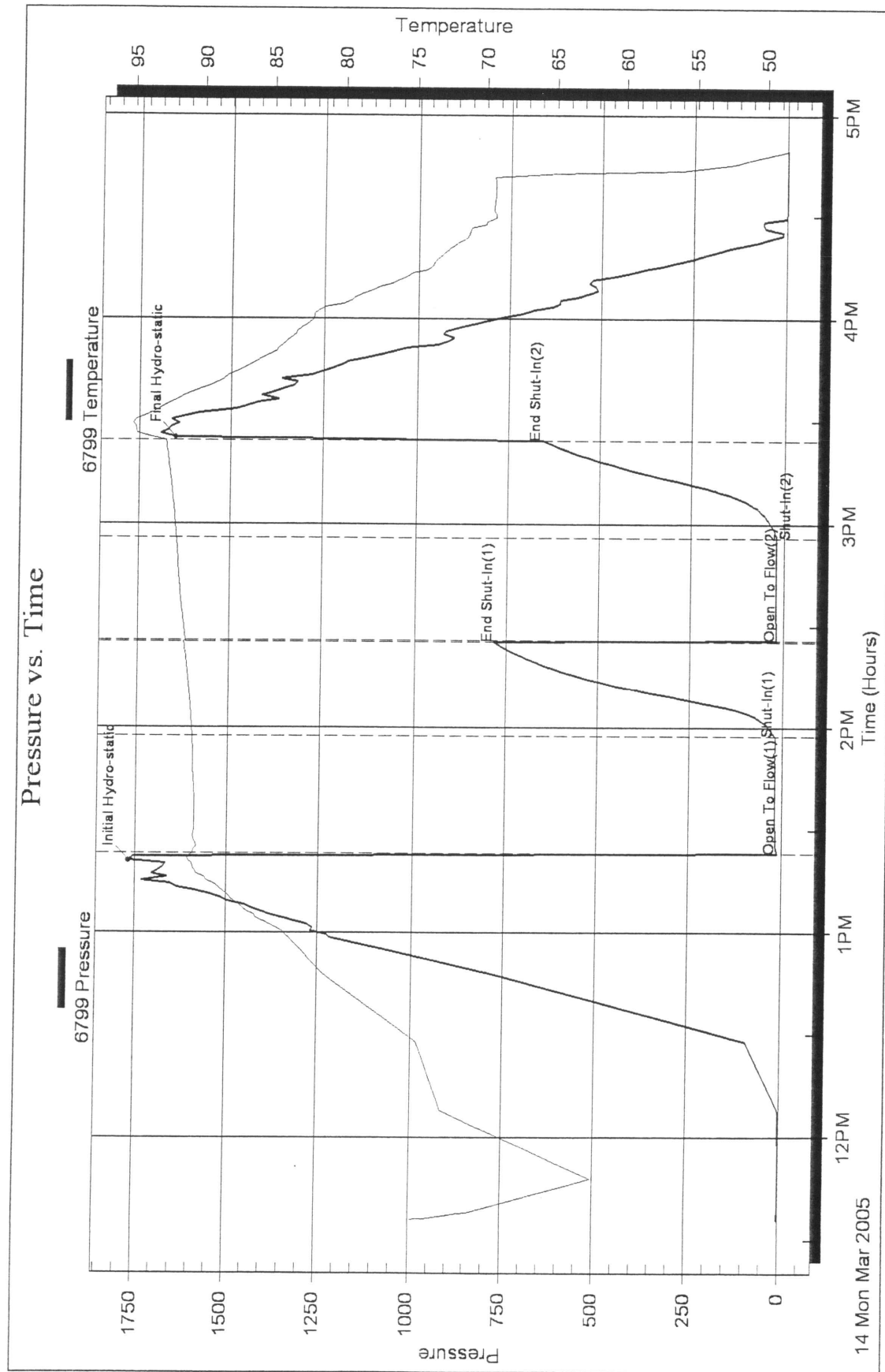
Serial #: 6799

Inside

Lario Oil & Gas Co

24-11-18-Ellis-Ks

DST Test Number: 6



24-11-18W



DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas Co**

301 S Market
Wichita Ks 67202

ATTN: John Hastings

24-11-18-Ellis-Ks

Marshall E # 25

Start Date: 2005.03.14 @ 23:05:50

End Date: 2005.03.15 @ 07:48:50

Job Ticket #: 21887 DST #: 7

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas Co

301 S Market
Wichita Ks 67202

ATTN: John Hastings

Marshall E # 25

24-11-18-Ellis-Ks

Job Ticket: 21887

DST#: 7

Test Start: 2005.03.14 @ 23:05:50

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:52:50

Time Test Ended: 07:48:50

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3514.00 ft (KB) To 3550.00 ft (KB) (TVD)**

Total Depth: 3550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1992.00 ft (KB)

1987.00 ft (CF)

KB to GRVCF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 1107.45 psig @ 3515.00 ft (KB)

Start Date: 2005.03.14

End Date:

2005.03.15

Capacity: 7000.00 psig

Last Calib.: 2005.03.15

Start Time: 23:05:51

End Time:

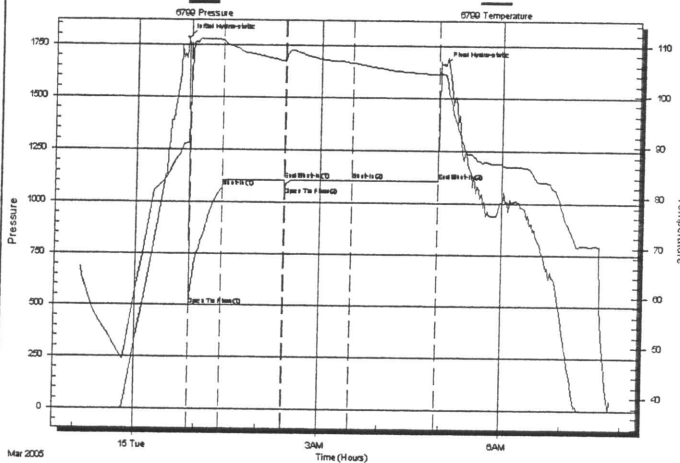
07:48:50

Time On Btmr 2005.03.15 @ 00:49:50

Time Off Btmr 2005.03.15 @ 05:01:50

TEST COMMENT: IF-Strong B-B in 30 sec
FF-Strong B-B in 1 min-died in 45 min
Times-30-60-60-90

Pressure vs. Time



PRESSURE SUMMARY

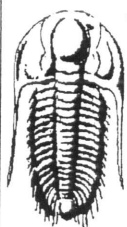
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.84	90.60	Initial Hydro-static
3	495.58	100.92	Open To Flow (1)
34	1068.26	110.93	Shut-In(1)
95	1107.67	106.79	End Shut-In(1)
95	1074.65	107.12	Open To Flow (2)
161	1107.45	106.45	Shut-In(2)
246	1107.66	104.34	End Shut-In(2)
252	1658.51	104.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
400.00	Wtr Rw .24 @ 80 = 26000ppm	3.93
2170.00	OCWtr 10%o 90%w	30.44
10.00	CO	0.14

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21887

DST#: 7

ATTN: John Hastings

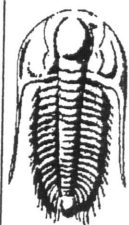
Test Start: 2005.03.14 @ 23:05:50

Tool Information

Drill Pipe:	Length: 3332.00 ft	Diameter: 3.80 inches	Volume: 46.74 bbl	Tool Weight:	1500.00 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: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	47.64 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3514.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.00 ft				
Tool Length:	57.00 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			3494.00	
Shut In Tool	5.00			3499.00	
Hydraulic tool	5.00			3504.00	
Packer	5.00			3509.00	21.00 Bottom Of Top Packer
Packer	5.00			3514.00	
Stubb	1.00			3515.00	
Recorder	0.00	6799	Inside	3515.00	
Perforations	32.00			3547.00	
Recorder	0.00	13254	Outside	3547.00	
Bullnose	3.00			3550.00	36.00 Bottom Packers & Anchor
Total Tool Length:	57.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall E # 25

301 S Market
Wichita Ks 67202

24-11-18-Ellis-Ks

Job Ticket: 21887

DST#: 7

ATTN: John Hastings

Test Start: 2005.03.14 @ 23:05:50

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
400.00	Wtr Rw .24 @ 80 = 26000ppm	3.935
2170.00	OCWtr 10%o 90%w	30.439
10.00	CO	0.140

Total Length: 2580.00 ft

Total Volume: 34.514 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6799

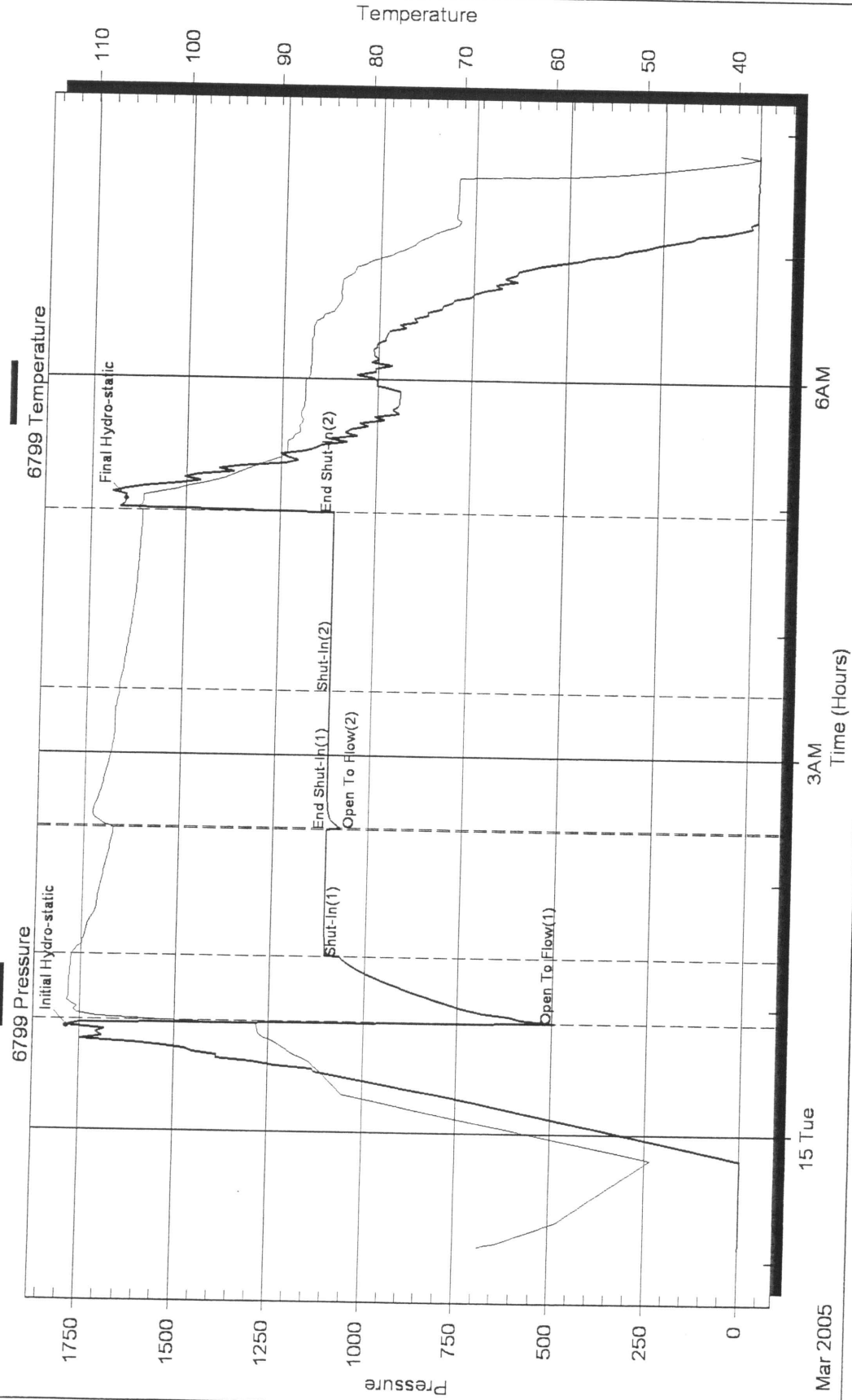
Inside

Lario Oil & Gas Co

24-11-18-Ellis-Ks

DST Test Number: 7

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 21887

Printed: 2005.03.18 @ 10:55:49 Page 5