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15-051-25361

36-115-18w

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co

Marshall A # 27

301 S Market
Wichita Ks 67202

36-11-18-Ellis-Ks

Job Ticket: 21227

DST#:1

ATTN: John Hastings

Test Start: 2005.01.29 @ 19:20:33

GENERAL INFORMATION:

Formation: **Topeka**Deviated: **No** Whipstock:

Time Tool Opened: 22:13:03

Time Test Ended: 04:23:03

Interval: **3253.00 ft (KB) To 3270.00 ft (KB) (TVD)**Total Depth: **3270.00 ft (KB) (TVD)**Hole Diameter: **7.88 inches** Hole Condition: **Good**Test Type: **Conventional Bottom Hole**Tester: **Dan Bangle**Unit No: **21**Reference Elevations: **2126.00 ft (KB)****2121.00 ft (CF)**KB to GR/CF: **5.00 ft**

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Serial #: **6799**

Inside

Press@RunDepth: **667.74 psig @ 3254.00 ft (KB)**Start Date: **2005.01.29**

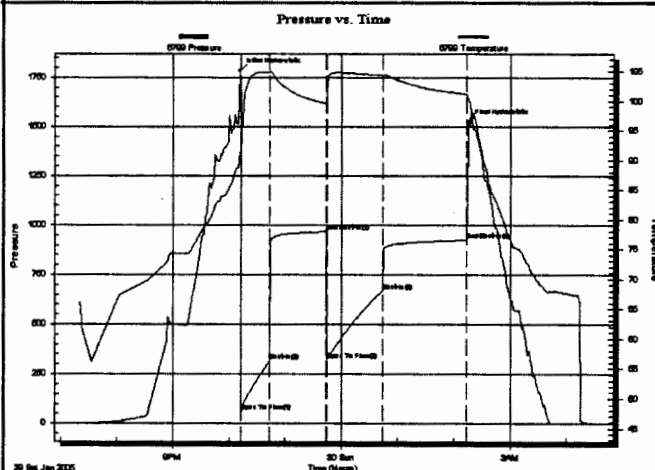
End Date:

2005.01.30

Start Time: **19:20:34**

End Time:

04:23:03

Capacity: **7000.00 psig**Last Calib.: **2005.01.30**Time On Btm: **2005.01.29 @ 22:11:33**Time Off Btm: **2005.01.30 @ 02:15:33**TEST COMMENT: **IF-Strong B-B in 5 min****FF-Strong B-B in 7 min****Times-30-60-60-90**

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.28	91.32	Initial Hydro-static
2	58.64	91.22	Open To Flow(1)
32	313.62	104.86	Shut-In(1)
92	966.27	99.60	End Shut-In(1)
93	322.01	100.70	Open To Flow(2)
153	667.74	104.33	Shut-In(2)
242	925.36	101.17	End Shut-In(2)
244	1522.75	100.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1320.00	Wtr Rw .069 @ 70 = 125000ppm	16.86

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall A # 27

301 S Market
Wichita Ks 67202

36-11-18-Ellis-Ks

Job Ticket: 21227

DST#:1

ATTN: John Hastings

Test Start: 2005.01.29 @ 19:20:33

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: 64.00 sec/qt

Cushion Volume: bbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 1900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1320.00	Wtr Rw .069 @ 70 = 125000ppm	16.858

Total Length: 1320.00 ft

Total Volume: 16.858 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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DST Test Number: 1

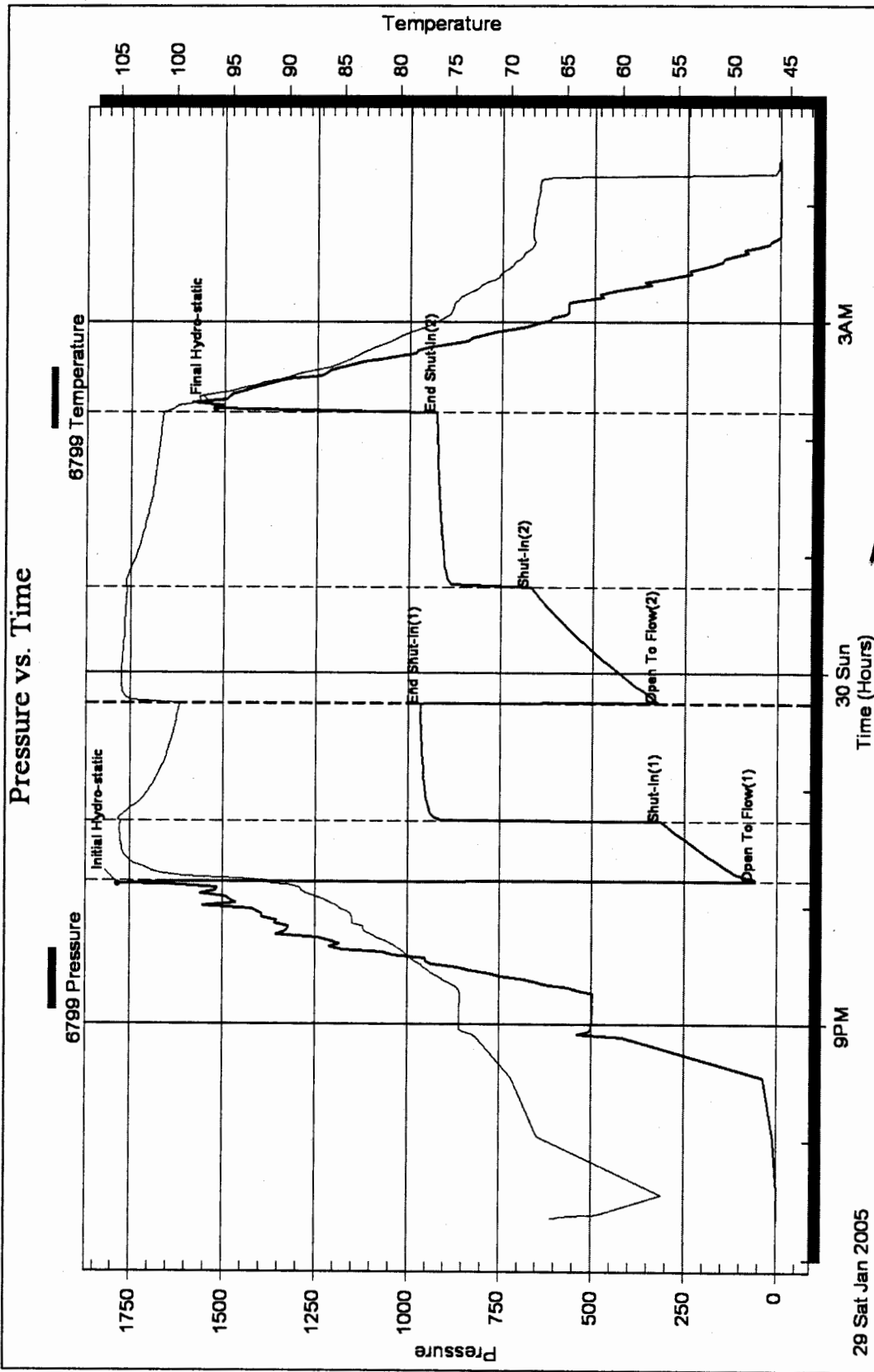
36-11-18-Elis-Ks

Lario Oil & Gas Co

Inside

Serial #: 6799

Pressure vs. Time



Printed: 2005.02.01 @ 09:47:38 Page 3

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Ref. No: 21227

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DRILL STEM TEST REPORT

Lario Oil & Gas Co

Marshall A # 27

301 S Market
Wichita Ks 67202

36-11-18-Ellis-Ks

Job Ticket: 21228

DST#2

ATTN: John Hastings

Test Start: 2005.01.30 @ 14:00:08

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GENERAL INFORMATION:

Formation: **B LKC**Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 15:59:08

Time Test Ended: 21:06:38

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3361.00 ft (KB) To 3386.00 ft (KB) (TVD)**Total Depth: **3386.00 ft (KB) (TVD)**Hole Diameter: **7.88 inches** Hole Condition: **Good**Reference Elevations: **2126.00 ft (KB)****2121.00 ft (CF)**KB to GR/CF: **5.00 ft**Serial #: **6799**

Inside

Press@RunDepth: **487.09 psig @ 3362.00 ft (KB)**Start Date: **2005.01.30**

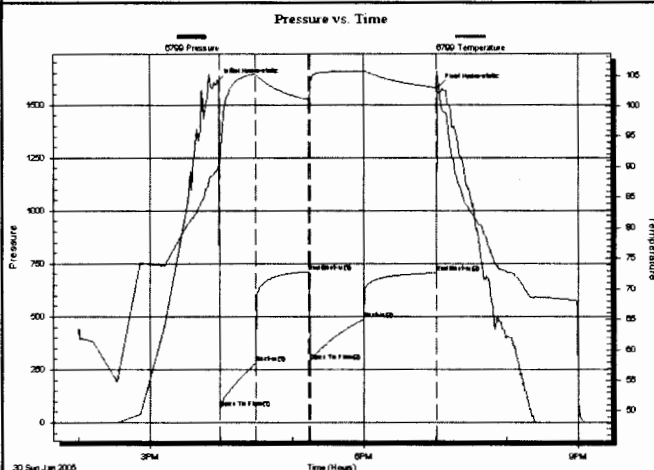
End Date:

2005.01.30Capacity: **7000.00 psig**Last Calib.: **2005.01.30**Start Time: **14:00:09**

End Time:

21:06:38Time On Btm: **2005.01.30 @ 15:57:38**Time Off Btm: **2005.01.30 @ 19:03:08**

TEST COMMENT: IF-Strong B-B in 4 min
 FF-Strong B-B in 10 min
 Times-30-45-45-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1612.28	90.12	Initial Hydro-static
2	67.20	90.57	Open To Flow(1)
32	280.41	105.22	Shut-In(1)
76	712.31	101.06	End Shut-In(1)
77	288.53	102.49	Open To Flow(2)
123	487.09	105.69	Shut-In(2)
184	706.24	103.00	End Shut-In(2)
186	1582.92	102.17	Final Hydro-static

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Recovery

Length (ft)	Description	Volume (bbl)
970.00	Wtr Rw .083 @ 70.6 = 92000ppm	11.95
10.00	CO	0.14
0.00	124 GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall A # 27

301 S Market
Wichita Ks 67202

36-11-18-Ellis-Ks

Job Ticket: 21228

DST#:2

ATTN: John Hastings

Test Start: 2005.01.30 @ 14:00:08

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
970.00	Wtr Rw .083 @ 70.6 = 92000ppm	11.949
10.00	CO	0.140
0.00	124 GIP	0.000

Total Length: 980.00 ft

Total Volume: 12.089 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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DST Test Number: 2

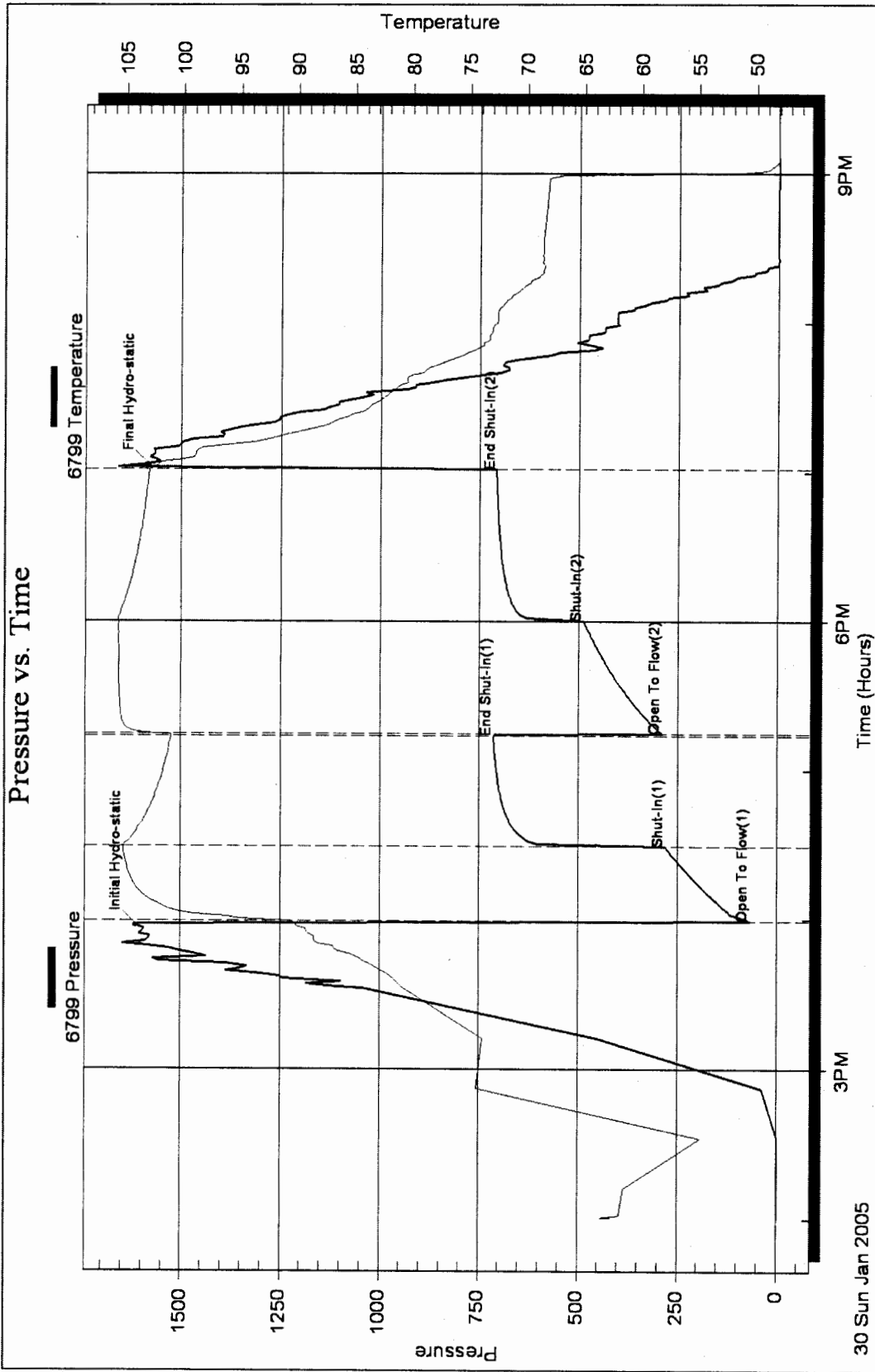
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Lario Oil & Gas Co

Inside

Serial #: 6799

Pressure vs. Time



Printed: 2005.02.01 @ 09:47:17 Page 3

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Ref. No: 21228

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DRILL STEM TEST REPORT

Lario Oil & Gas Co

Marshall A # 27

301 S Market
Wichita Ks 67202

36-11-18-Ellis-Ks

Job Ticket: 21229

DST#:3

ATTN: John Hastings

Test Start: 2005.01.31 @ 04:15:47

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GENERAL INFORMATION:

Formation: **G LKC**Deviated: **No** Whipstock:

ft (KB)

Time Tool Opened: 06:15:17

Time Test Ended: 10:52:17

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3428.00 ft (KB) To 3444.00 ft (KB) (TVD)**Total Depth: **3444.00 ft (KB) (TVD)**Hole Diameter: **7.88 inches** Hole Condition: **Good**Reference Elevations: **2126.00 ft (KB)****2121.00 ft (CF)**KB to GR/CF: **5.00 ft**Serial #: **6799**

Inside

Press@RunDepth: **42.44 psig @ 3429.00 ft (KB)**Start Date: **2005.01.31**

End Date:

2005.01.31Capacity: **7000.00 psig**

Last Calib.:

2005.01.31Start Time: **04:15:48**

End Time:

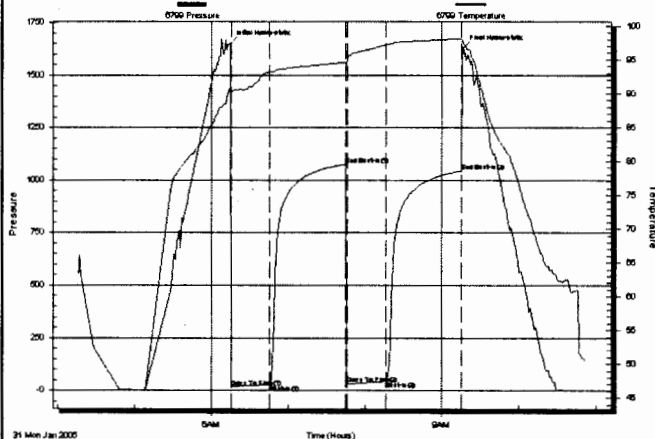
10:52:17Time On Btm: **2005.01.31 @ 06:14:47**Time Off Btm: **2005.01.31 @ 09:16:17**

TEST COMMENT: IF-Weak died in 10 min

FF-No blow

Times-30-60-30-60

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1649.25	90.95	Initial Hydro-static
1	15.10	90.58	Open To Flow(1)
31	27.57	93.19	Shut-In(1)
90	1075.38	94.63	End Shut-In(1)
92	30.50	95.10	Open To Flow(2)
122	42.44	97.22	Shut-In(2)
180	1044.84	98.11	End Shut-In(2)
182	1630.00	97.44	Final Hydro-static

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Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mdy Wtr Rw .09 @ 70 = 90000ppm	0.07

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall A # 27

301 S Market
Wichita Ks 67202

36-11-18-Ellis-Ks

Job Ticket: 21229

DST#:3

ATTN: John Hastings

Test Start: 2005.01.31 @ 04:15:47

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mdy Wtr Rw .09 @ 70 = 90000ppm	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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DST Test Number: 3

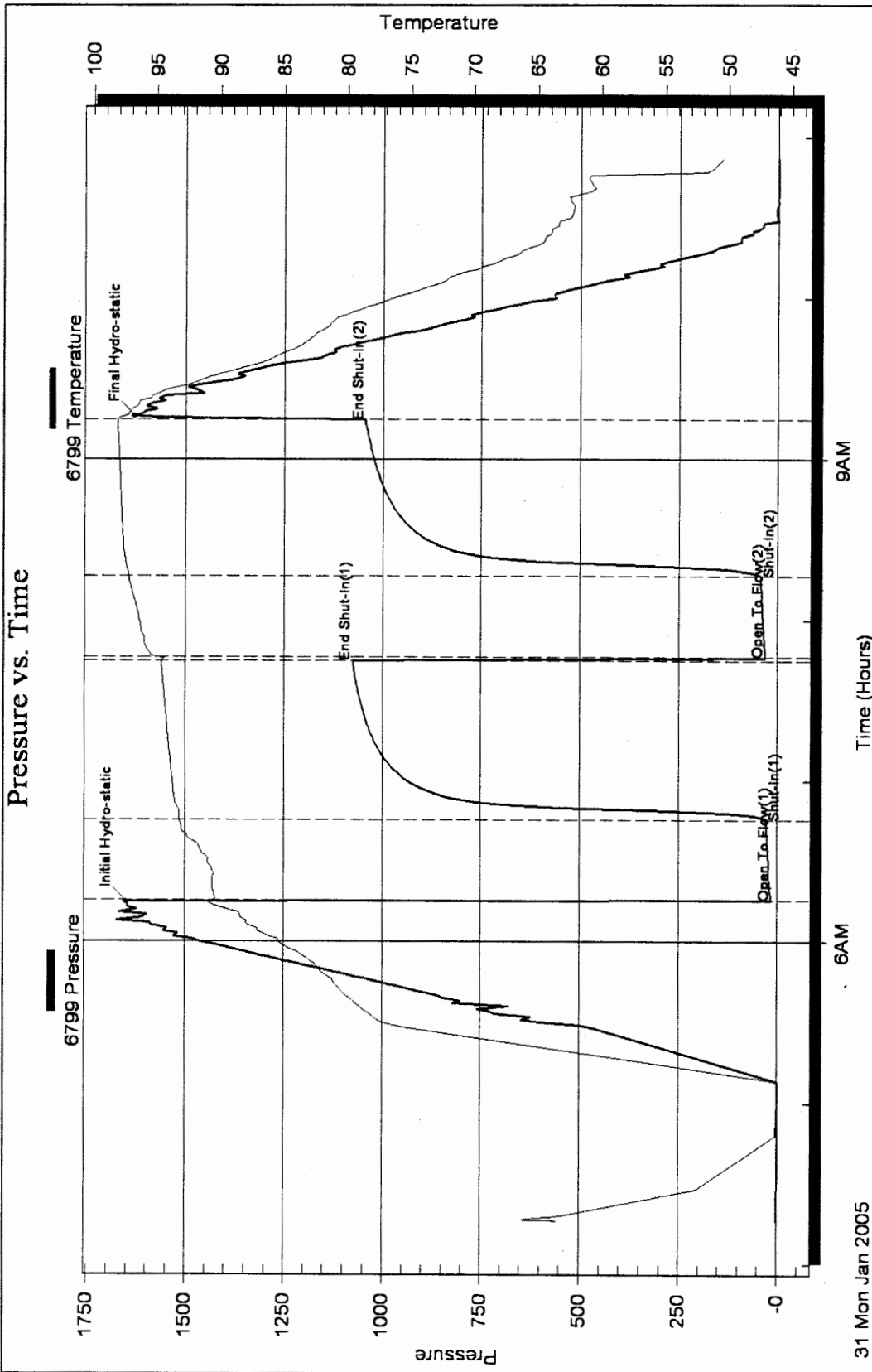
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Lario Oil & Gas Co

Inside

Serial #: 6799

Pressure vs. Time



Printed: 2005.02.01 @ 09:47:00 Page 3

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Ref. No: 21229

Trilobite Testing, Inc

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 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		
	Lario Oil & Gas Co	KCC	Marshall A # 27
	301 S Market Wichita Ks 67202	MAY 09 2005	36-11-18-Ellis-Ks
	ATTN: John Hastings	CONFIDENTIAL	Job Ticket: 21230 DST#:4 Test Start: 2005.01.31 @ 21:00:09

GENERAL INFORMATION:

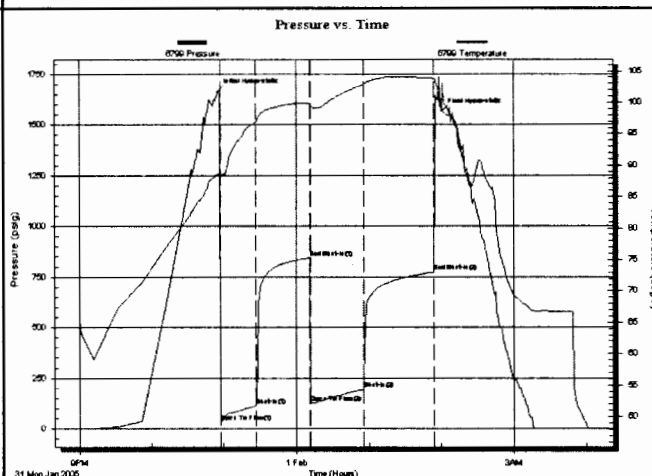
Formation: H-I-J LK	Test Type: Conventional Bottom Hole
Deviated: No Whipstock: ft (KB)	Tester: Dan Bangle
Time Tool Opened: 22:57:39	Unit No: 21
Time Test Ended: 04:01:39	
Interval: 3457.00 ft (KB) To 3534.00 ft (KB) (TVD)	Reference Elevations: 2126.00 ft (KB)
Total Depth: 3534.00 ft (KB) (TVD)	2121.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good	KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 193.10 psig @ 3460.00 ft (KB)	Capacity: 7000.00 psig
Start Date: 2005.01.31 End Date: 2005.02.01	Last Calib.: 2005.02.01
Start Time: 21:00:10 End Time: 04:01:39	Time On Btm: 2005.01.31 @ 22:55:39
	Time Off Btm: 2005.02.01 @ 02:00:39

TEST COMMENT: IF-Strong B-B in 5 min
 ISI-Strong B-B in 10 min
 FF-Strong B-B in 6 min
 FSI-Strong B-B in 10 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.45	88.61	Initial Hydro-static
2	31.71	88.43	Open To Flow(1)
31	111.98	96.94	Shut-In(1)
76	843.20	99.89	End Shut-In(1)
77	125.48	99.48	Open To Flow(2)
120	193.10	102.82	Shut-In(2)
179	774.02	103.84	End Shut-In(2)
185	1564.51	99.01	Final Hydro-static

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Recovery

Length (ft)	Description	Volume (bbl)
250.00	MCGsyO 10%g 70%o 20%am	1.85
280.00	CGsyO 10%g 90%o	3.93
0.00	2385 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall A # 27

301 S Market
Wichita Ks 67202

36-11-18-Ellis-Ks

Job Ticket: 21230

DST#:4

ATTN: John Hastings

Test Start: 2005.01.31 @ 21:00:09

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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	MCGsyO 10%g 70%o 20%m	1.849
280.00	CGsyO 10%g 90%o	3.928
0.00	2385 GIP	0.000

Total Length: 530.00ft

Total Volume: 5.777 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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DST Test Number: 4

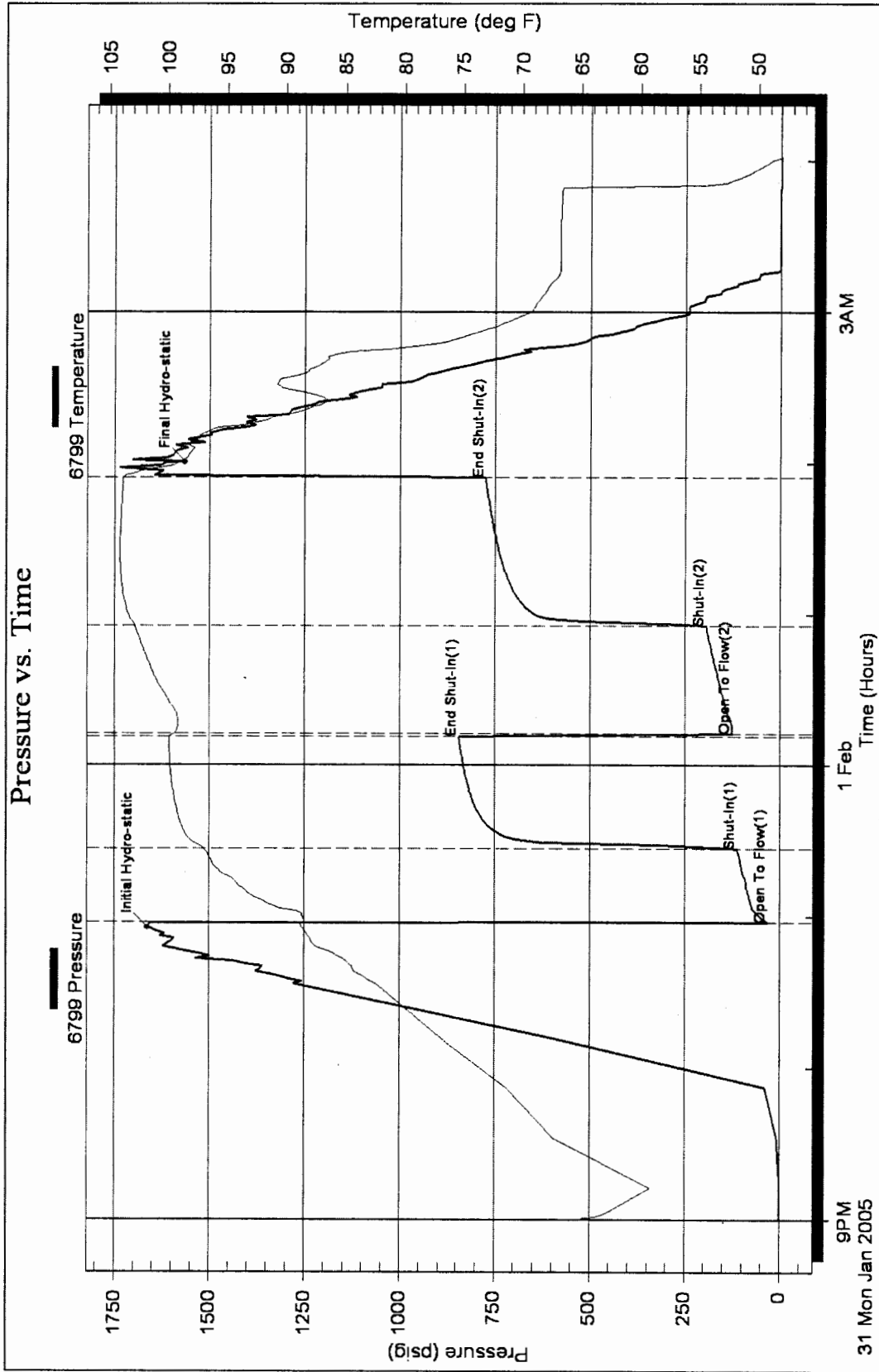
36-11-18-Elis-Ks

Lario Oil & Gas Co

Inside

Serial #: 6799

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 21230

Printed: 2005 02 01 @ 09:46:44 Page 3

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lario Oil & Gas Co

Marshall A # 27

301 S Market
Wichita Ks 67202

36-11-18-Ellis-Ks

Job Ticket: 21231

DST#:5

ATTN: John Hastings

Test Start: 2005.02.01 @ 14:00:07

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:49:37

Time Test Ended: 20:59:37

Interval: 3578.00 ft (KB) To 3640.00 ft (KB) (TVD)

Total Depth: 3640.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

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Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Reference Elevations: 2126.00 ft (KB)

2121.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 269.88 psig @ 3581.00 ft (KB)

Start Date: 2005.02.01

End Date:

2005.02.01

Start Time: 14:00:08

End Time:

20:59:37

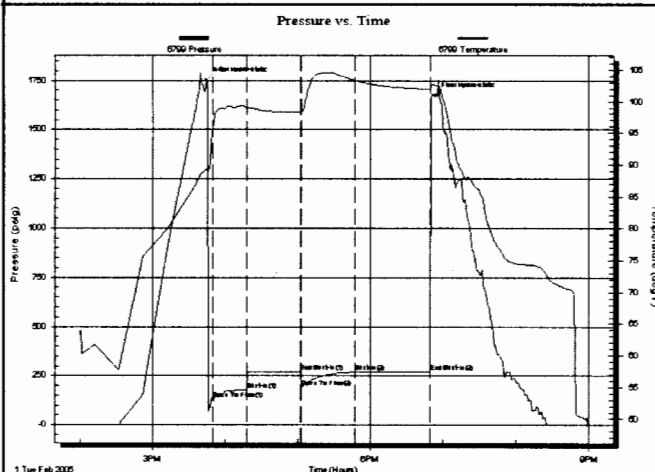
Capacity: 7000.00 psig

Last Calib.: 2005.02.01

Time On Btm: 2005.02.01 @ 15:44:07

Time Off Btm: 2005.02.01 @ 18:53:07

TEST COMMENT: IF-Strong B-B in 5 min
FF-Strong B-B in 15 min
Times-30-45-45-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1753.67	89.34	Initial Hydro-static
6	132.88	95.98	Open To Flow(1)
34	179.21	99.11	Shut-In(1)
78	272.01	98.41	End Shut-In(1)
79	188.90	98.36	Open To Flow(2)
123	269.88	103.38	Shut-In(2)
186	271.84	101.88	End Shut-In(2)
189	1674.27	102.61	Final Hydro-static

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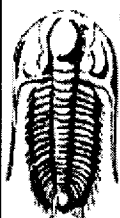
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Recovery

Length (ft)	Description	Volume (bbl)
310.00	Wtr Rw .15 @ 79 = 31000ppm	2.69
60.00	WCM 70%w 30%m	0.84
125.00	OCM 10%o 90%m	1.75
60.00	MCO 60%o 40%m	0.84
10.00	CO	0.14

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall A # 27

301 S Market
Wichita Ks 67202

36-11-18-Ellis-Ks

Job Ticket: 21231

DST#:5

ATTN: John Hastings

Test Start: 2005.02.01 @ 14:00:07

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:

31000ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	Wtr Rw .15 @ 79 = 31000ppm	2.691
60.00	WCM 70%w 30%m	0.842
125.00	OCM 10%o 90%m	1.753
60.00	MCO 60%o 40%m	0.842
10.00	CO	0.140

Total Length: 565.00 ft

Total Volume: 6.268 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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DST Test Number: 5

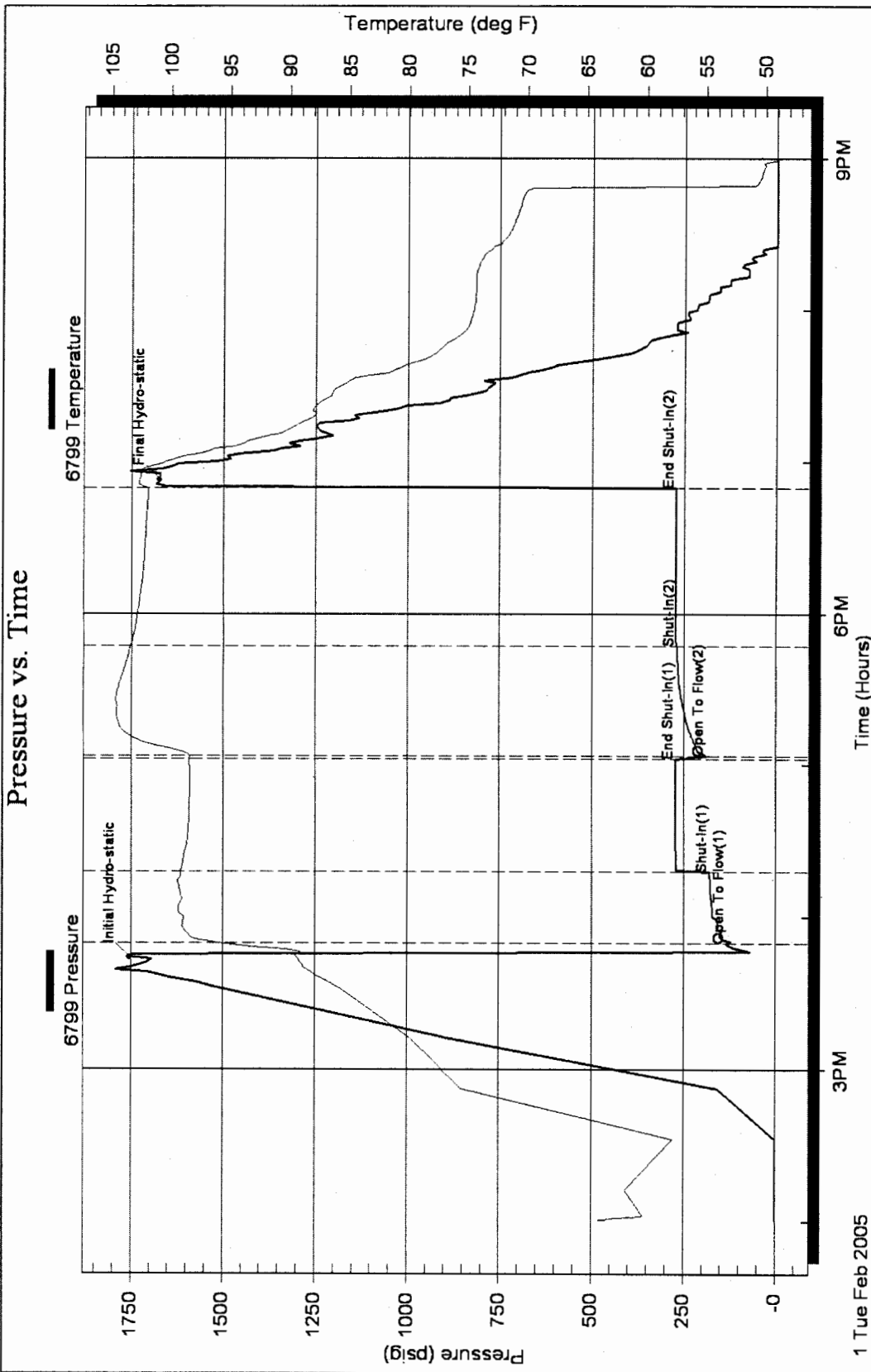
36-11-18-Ellis-Ks

Lario Oil & Gas Co

Inside

Serial #: 6799

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 21231

Printed: 2005.02.02 @ 08:59:29 Page 3