

DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas**

301 S Market
Wichita KS. 67202

ATTN: John Hastings

32-12S-31 Gove KS

W & E Farms #1-32

Start Date: 2004.08.24 @ 18:40:33

End Date: 2004.08.24 @ 23:19:33

Job Ticket #: 19633 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Lario Oil & Gas

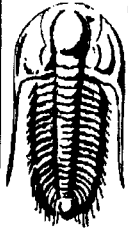
W & E Farms #1-32

32-12S-31 Gove KS

DST # 1

Toronto

2004.08.24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lario Oil & Gas

301 S Market
Wichita KS. 67202

ATTN: John Hastings

W & E Farms #1-32

32-12S-31 Gove KS

Job Ticket: 19633

DST#: 1

Test Start: 2004.08.24 @ 18:40:33

GENERAL INFORMATION:

Formation: **Toronto**

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

Time Tool Opened: 20:34:03

Time Test Ended: 23:19:33

Test Type: **Conventional Bottom Hole**

Tester: **Rod Steinbrink**

Unit No: **22**

Interval: **3981.00 ft (KB) To 3995.00 ft (KB) (TVD)**

Total Depth: **4010.00 ft (KB) (TVD)**

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

Reference Elevations: **2965.00 ft (KB)**

2960.00 ft (CF)

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

Serial #: 6798 **Inside**

Press@RunDepth: **psig @ 3982.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.08.24**

End Date:

2004.08.24

Last Calib.: **1899.12.30**

Start Time: **18:40:38**

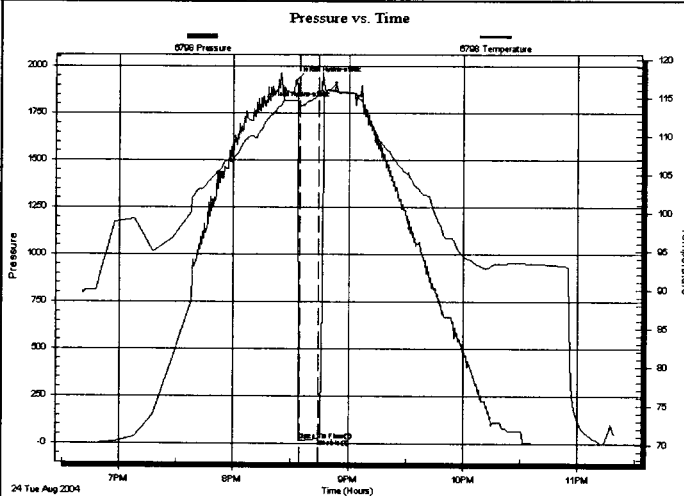
End Time:

23:19:32

Time On Btm: **2004.08.24 @ 20:32:18**

Time Off Btm: **2004.08.24 @ 20:53:03**

TEST COMMENT: IF; Weak steady surface blow Packer seat failed 11 mins into



PRESSURE SUMMARY

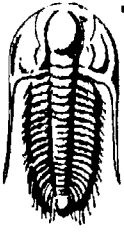
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1923.34	114.64	Initial Hydro-static
2	14.34	114.04	Open To Flow (1)
12	25.48	115.96	Shut-in(1)
21	1911.21	115.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	Drig. Mud	2.27

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas

W & E Farms #1-32

301 S Market
Wichita KS. 67202

32-12S-31 Gove KS

Job Ticket: 19633

DST#: 1

ATTN: John Hastings

Test Start: 2004.08.24 @ 18:40:33

Tool Information

Drill Pipe:	Length: 3849.00 ft	Diameter: 3.80 inches	Volume: 53.99 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 54.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3981.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3960.00	
Hydraulic tool	5.00			3965.00	
Jars	5.00			3970.00	
Safety Joint	2.00			3972.00	
Packer	5.00			3977.00	26.00 Bottom Of Top Packer
Packer	4.00			3981.00	
Stubb	1.00			3982.00	
Recorder	0.00	6798	Inside	3982.00	
Perforations	8.00			3990.00	
Recorder	0.00	13371	Outside	3990.00	
Blank Off Sub	1.00			3991.00	29.00 Tool Interval
Packer	4.00			3995.00	
Stubb	1.00			3996.00	
Anchor	9.00			4005.00	
Recorder	0.00	13309	Below	4005.00	
Bullnose	5.00			4010.00	1000054.00 Bottom Packers & Anchor
Total Tool Length:	55.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas

W & E Farms #1-32

301 S Market
Wichita KS. 67202

32-12S-31 Gove KS

Job Ticket: 19633

DST#: 1

ATTN: John Hastings

Test Start: 2004.08.24 @ 18:40:33

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2050.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	Drig. Mud	2.273

Total Length: 240.00 ft Total Volume: 2.273 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

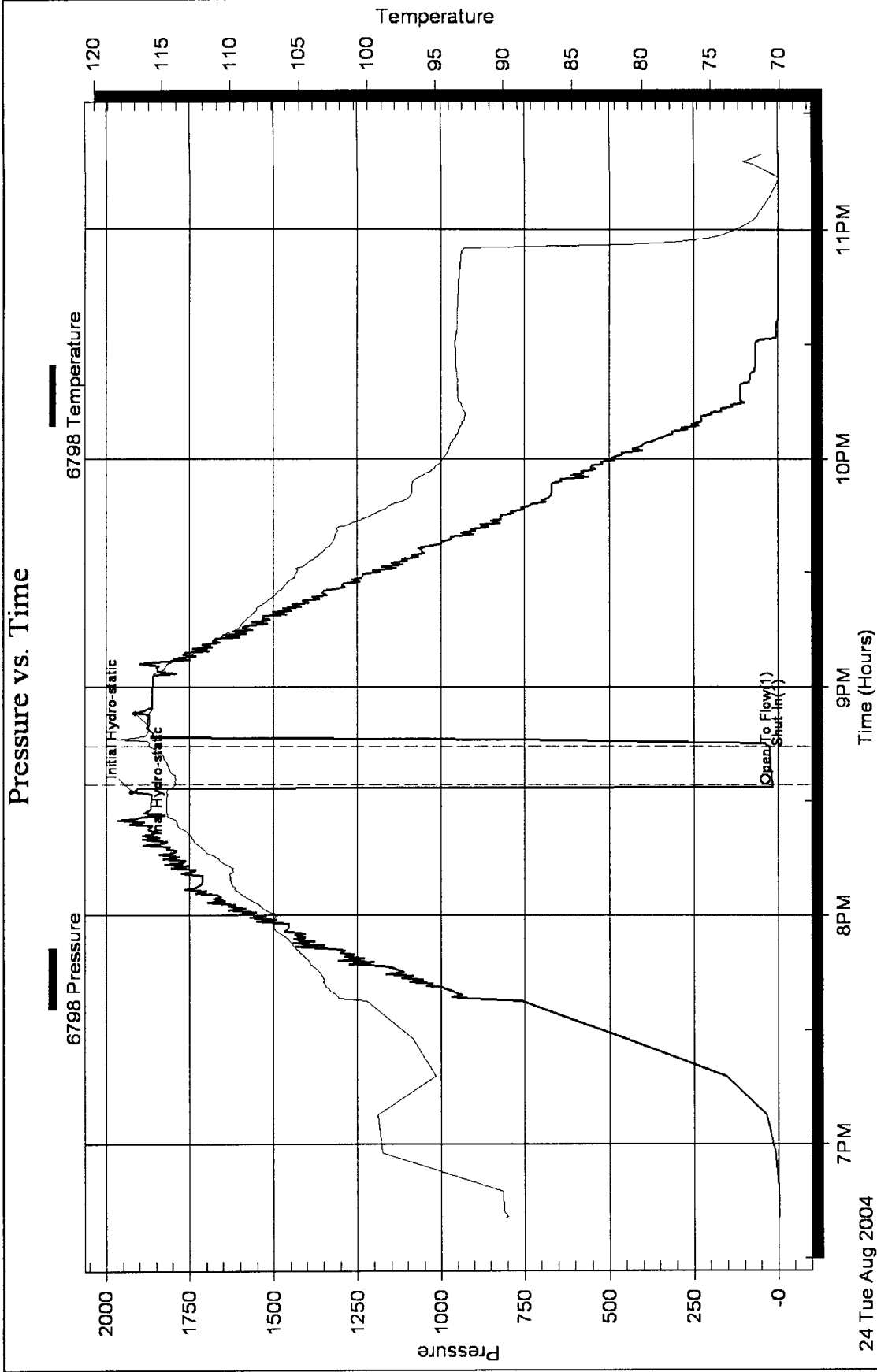
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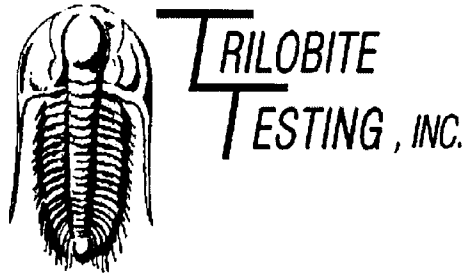
Inside

Lario Oil & Gas

32-12S-31 Gove KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas**

301 S Market
Wichita KS. 67202

ATTN: John Hastings

32-12S-31 Gove KS

W & E Farms #1-32

Start Date: 2004.08.25 @ 10:05:18

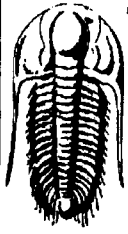
End Date: 2004.08.25 @ 17:40:18

Job Ticket #: 19634 DST #: 2

Trilobite Testing, Inc

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



**TRILOBITE
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DRILL STEM TEST REPORT

Lario Oil & Gas

W & E Farms #1-32

301 S Market
Wichita KS. 67202

32-12S-31 Gove KS

ATTN: John Hastings

Job Ticket: 19634

DST#: 2

Test Start: 2004.08.25 @ 10:05:18

GENERAL INFORMATION:

Formation: **Lans/KC "D"**

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

Time Tool Opened: 11:38:03

Time Test Ended: 17:40:18

Test Type: **Conventional Bottom Hole**

Tester: **Rod Steinbrink**

Unit No: **22**

Interval: **4077.00 ft (KB) To 4090.00 ft (KB) (TVD)**

Total Depth: **4090.00 ft (KB) (TVD)**

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

Reference Elevations: **2965.00 ft (KB)**

2960.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6798

Inside

Press@RunDepth: **87.82 psig @ 4078.00 ft (KB)**

Start Date: **2004.08.25**

End Date:

2004.08.25

Start Time: **10:05:23**

End Time:

17:40:17

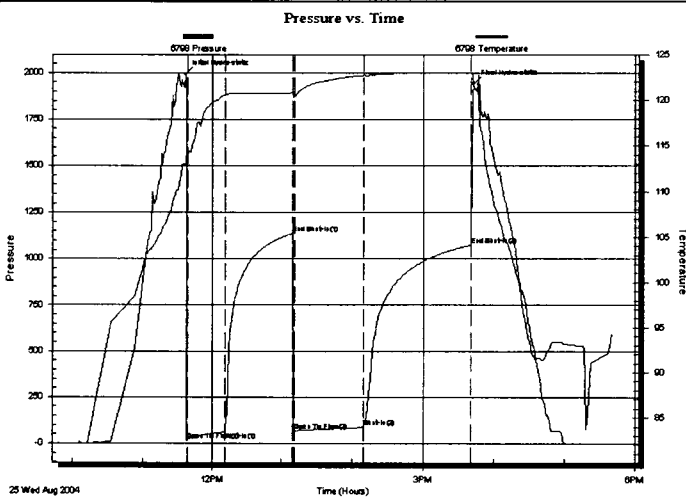
Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2004.08.25 @ 11:36:33**

Time Off Btm: **2004.08.25 @ 15:42:33**

TEST COMMENT: F; Weak surface blow built to 3"
FF; Surface return in 10 mins built to 2"



PRESSURE SUMMARY

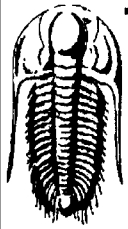
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1990.51	113.07	Initial Hydro-static
2	16.39	113.30	Open To Flow (1)
35	61.70	120.60	Shut-In(1)
93	1136.99	120.83	End Shut-In(1)
94	66.37	120.55	Open To Flow (2)
153	87.82	122.75	Shut-In(2)
244	1076.64	122.99	End Shut-In(2)
246	1940.95	121.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MW 85%w 15%m	0.66
10.00	FO 100%oil	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas

W & E Farms #1-32

301 S Market
Wichita KS. 67202

32-12S-31 Gove KS

Job Ticket: 19634

DST#: 2

ATTN: John Hastings

Test Start: 2004.08.25 @ 10:05:18

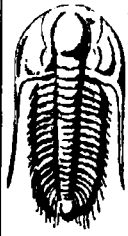
Tool Information

Drill Pipe:	Length: 3946.00 ft	Diameter: 3.80 inches	Volume: 55.35 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 55.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4077.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4056.00	
Hydraulic tool	5.00			4061.00	
Jars	5.00			4066.00	
Safety Joint	2.00			4068.00	
Packer	5.00			4073.00	26.00 Bottom Of Top Packer
Packer	4.00			4077.00	
Stubb	1.00			4078.00	
Recorder	0.00	6798	Inside	4078.00	
Perforations	7.00			4085.00	
Recorder	0.00	13309	Outside	4085.00	
Bullnose	5.00			4090.00	13.00 Bottom Packers & Anchor

Total Tool Length: 39.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

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W & E Farms #1-32

301 S Market
Wichita KS. 67202

32-12S-31 Gove KS

Job Ticket: 19634

DST#: 2

ATTN: John Hastings

Test Start: 2004.08.25 @ 10:05:18

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.58 in ³	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
125.00	MW 85%w 15%m	0.660
10.00	FO 100%oil	0.140

Total Length: 135.00 ft Total Volume: 0.800 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .19 @ 70 Deg = 40,000 Chlorides

Serial #: 6798

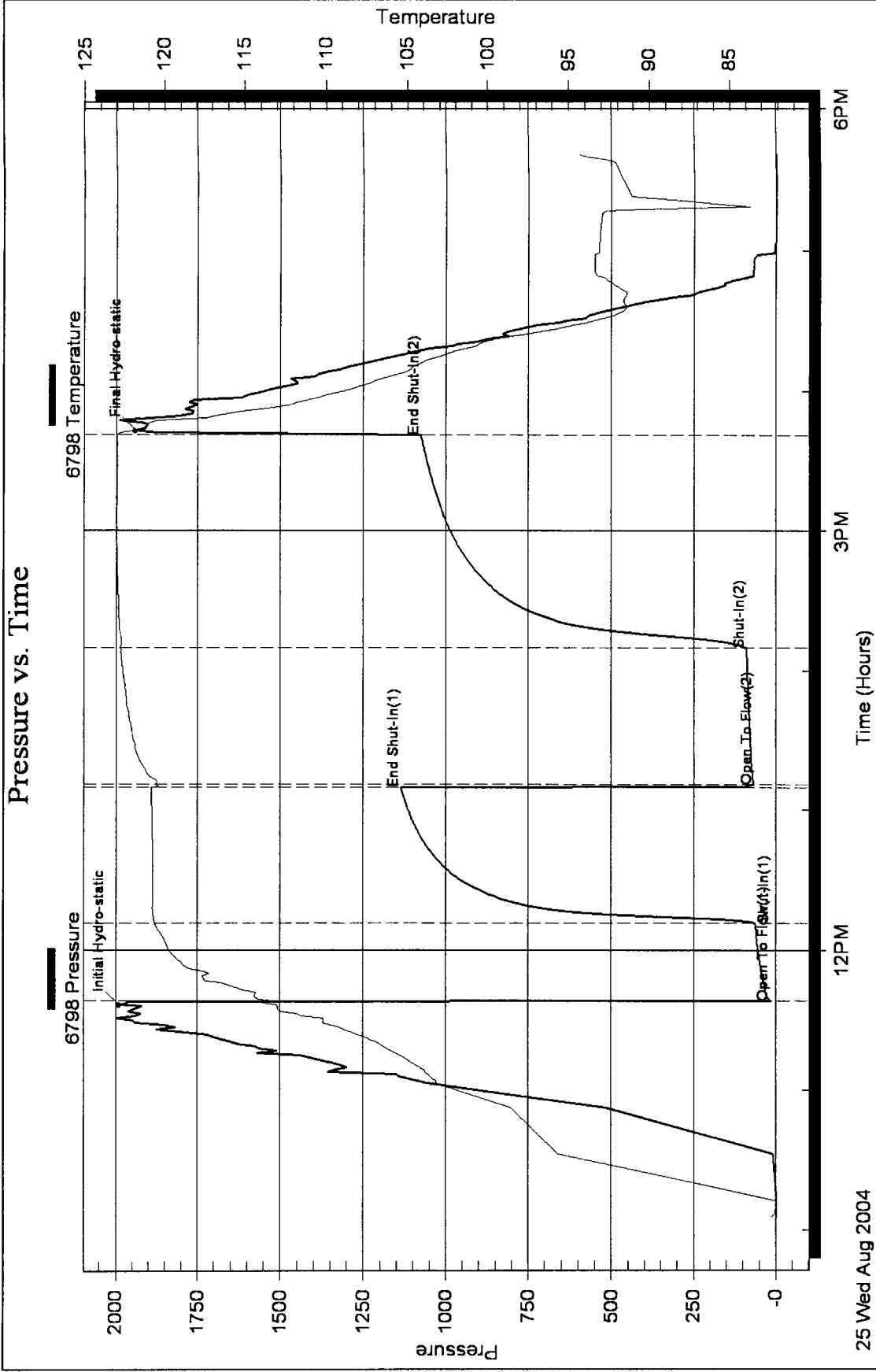
Inside

Lario Oil & Gas

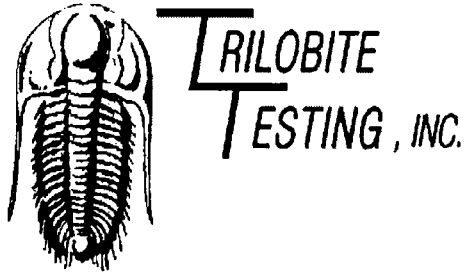
32-12S-31 Gove KS

DST Test Number: 2

Pressure vs. Time



25 Wed Aug 2004



DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas**

301 S Market
Wichita KS. 67202

ATTN: John Hastings

32-12S-31 Gove KS

W & E Farms #1-32

Start Date: 2004.08.26 @ 10:28:19

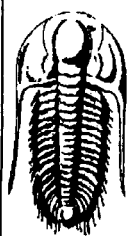
End Date: 2004.08.26 @ 19:01:49

Job Ticket #: 19635 DST #: 3

Trilobite Testing, Inc

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DRILL STEM TEST REPORT

Lario Oil & Gas
301 S Market
Wichita KS. 67202
ATTN: John Hastings

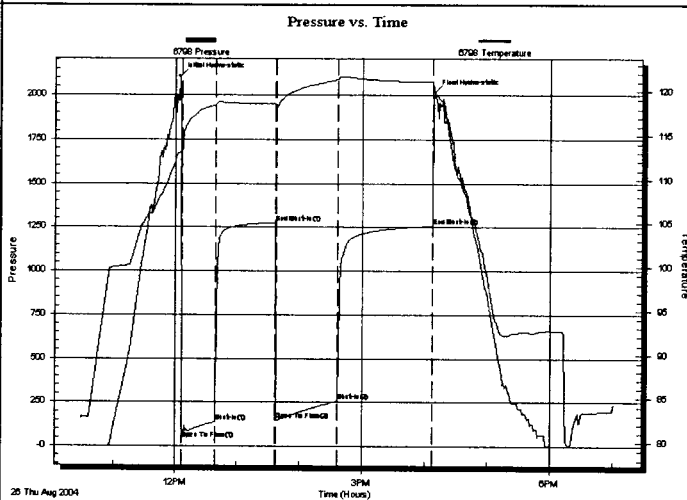
W & E Farms #1-32
32-12S-31 Gove KS
Job Ticket: 19635 **DST#: 3**
Test Start: 2004.08.26 @ 10:28:19

GENERAL INFORMATION:

Formation: **Lans/KC "H"**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 12:05:49
Time Test Ended: 19:01:49
Interval: **4136.00 ft (KB) To 4225.00 ft (KB) (TVD)**
Total Depth: **4225.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Rod Steinbrink**
Unit No: **22**
Reference Elevations: **2965.00 ft (KB)**
2960.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6798 **Inside**
Press@RunDepth: **257.45 psig @ 4137.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2004.08.26** End Date: **2004.08.26** Last Calib.: **1899.12.30**
Start Time: **10:28:24** End Time: **19:01:49** Time On Btm: **2004.08.26 @ 12:04:19**
Time Off Btm: **2004.08.26 @ 16:09:19**

TEST COMMENT: IF; Fair to strong off btm in 15 mins
IS; Very weak surface blow f/5 mins
FF; Weak to fair off btm in 25 mins
FS; No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2104.76	113.14	Initial Hydro-static
2	36.89	112.70	Open To Flow (1)
35	139.05	118.39	Shut-In(1)
93	1275.57	118.61	End Shut-In(1)
94	146.64	118.26	Open To Flow (2)
153	257.45	121.36	Shut-In(2)
244	1257.56	121.08	End Shut-In(2)
245	2013.78	119.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	SMCW 95%w 5% m	3.12
60.00	MCW trc/oil 75%w 25% m	0.84
60.00	GOMCM 20%g 5%o 15%w 60% m	0.84
75.00	GOMCM 35%g 20%o 15%w 30% m	1.05
35.00	CGO 15%g 85%o	0.49
	220 GIP	

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas

W & E Farms #1-32

301 S Market
Wichita KS. 67202

32-12S-31 Gove KS

Job Ticket: 19635

DST#: 3

ATTN: John Hastings

Test Start: 2004.08.26 @ 10:28:19

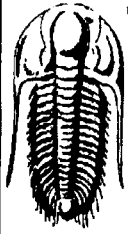
Tool Information

Drill Pipe:	Length: 4003.00 ft	Diameter: 3.80 inches	Volume: 56.15 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 56.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4136.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	88.00 ft			
Tool Length:	114.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4115.00	
Hydraulic tool	5.00			4120.00	
Jars	5.00			4125.00	
Safety Joint	2.00			4127.00	
Packer	5.00			4132.00	26.00 Bottom Of Top Packer
Packer	4.00			4136.00	
Stubb	1.00			4137.00	
Recorder	0.00	6798	Inside	4137.00	
Perforations	18.00			4155.00	
Change Over Sub	1.00			4156.00	
Anchor	62.00			4218.00	
Change Over Sub	1.00			4219.00	
Recorder	0.00	13371	Outside	4219.00	
Bullnose	5.00			4224.00	88.00 Bottom Packers & Anchor

Total Tool Length: 114.00



**TRILOBITE
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DRILL STEM TEST REPORT

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32-12S-31 Gove KS

Job Ticket: 19635

DST#: 3

ATTN: John Hastings

Test Start: 2004.08.26 @ 10:28:19

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36.4 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.18 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2050.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	SMCW 95%w 5%m	3.115
60.00	MCV trc/oil 75%w 25%m	0.842
60.00	GOWCM 20%g 5%o 15%w 60%m	0.842
75.00	GOWCM 35%g 20%o 15%w 30%m	1.052
35.00	CGO 15%g 85%o	0.491
	220 GIP	

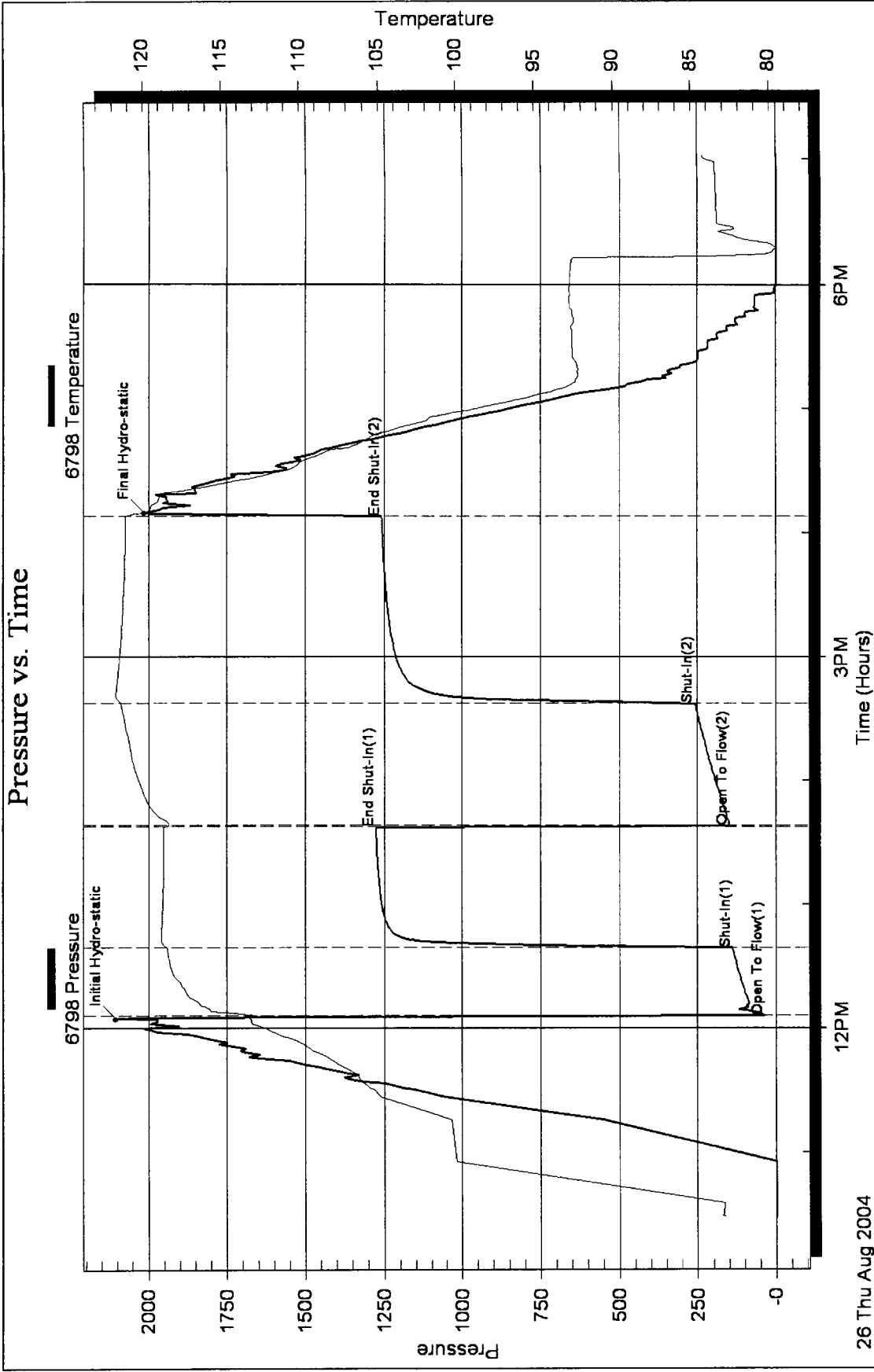
Total Length: -999469.00 ft Total Volume: 6.342 bbl

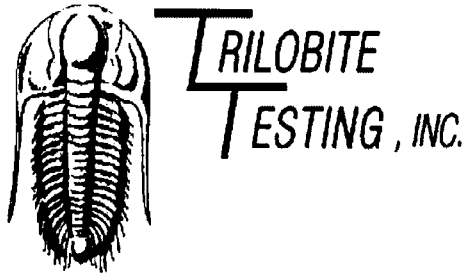
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .16 @ 70 Deg = 50,000 Chlorides

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas**

301 S Market
Wichita KS. 67202

ATTN: John Hastings

32-12S-31 Gove KS

W & E Farms #1-32

Start Date: 2004.08.27 @ 01:34:13

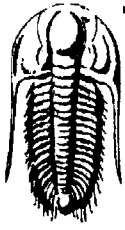
End Date: 2004.08.27 @ 09:43:43

Job Ticket #: 19636 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

TOOL DIAGRAM

Lario Oil & Gas

W & E Farms #1-32

301 S Market
Wichita KS. 67202

32-12S-31 Gove KS

Job Ticket: 19636

DST#: 4

ATTN: John Hastings

Test Start: 2004.08.27 @ 01:34:13

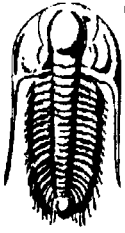
Tool Information

Drill Pipe:	Length: 4099.00 ft	Diameter: 3.80 inches	Volume: 57.50 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 58.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4218.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4197.00	
Hydraulic tool	5.00			4202.00	
Jars	5.00			4207.00	
Safety Joint	2.00			4209.00	
Packer	5.00			4214.00	26.00 Bottom Of Top Packer
Packer	4.00			4218.00	
Stubb	1.00			4219.00	
Recorder	0.00	6798	Inside	4219.00	
Perforations	15.00			4234.00	
Recorder	0.00	13309	Outside	4234.00	
Bullnose	5.00			4239.00	21.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas

W & E Farms #1-32

301 S Market
Wichita KS. 67202

32-12S-31 Gove KS

Job Ticket: 19636

DST#: 4

ATTN: John Hastings

Test Start: 2004.08.27 @ 01:34:13

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: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3950.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1065.00	SW	13.846

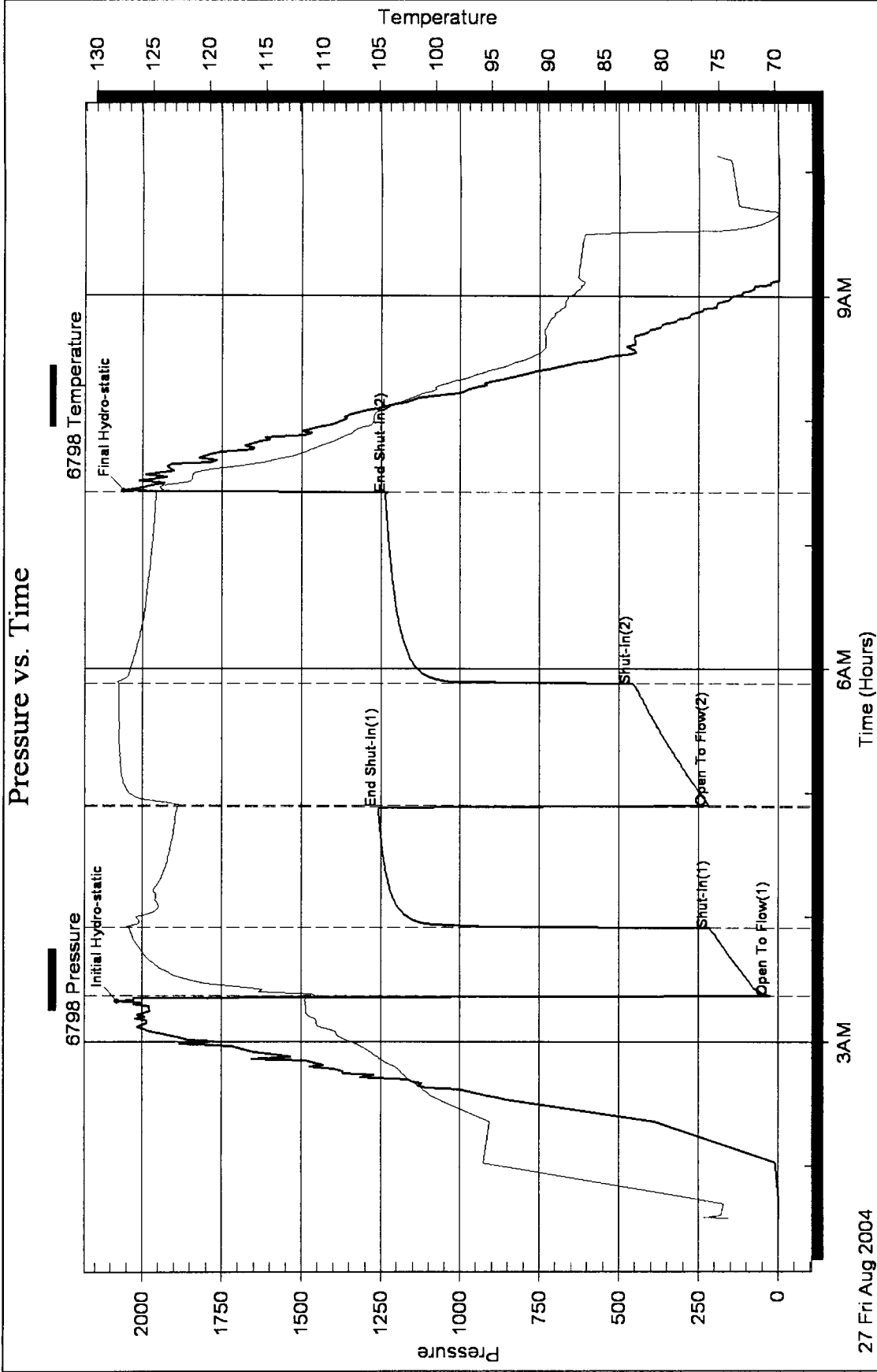
Total Length: 1065.00 ft Total Volume: 13.846 bbl

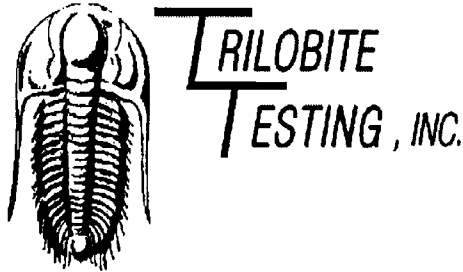
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .17 @ 70 Deg = 45,000 Chlorides

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas**

301 S Market
Wichita KS. 67202

ATTN: John Hastings

32-12S-31 Gove KS

W & E Farms #1-32

Start Date: 2004.08.28 @ 19:24:34

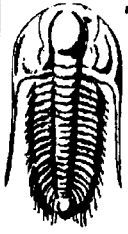
End Date: 2004.08.29 @ 02:40:34

Job Ticket #: 19637 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
301 S Market
Wichita KS. 67202
ATTN: John Hastings

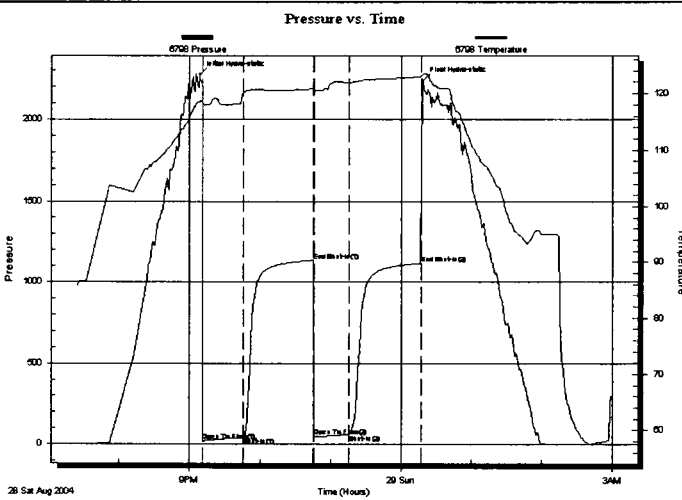
W & E Farms #1-32
32-12S-31 Gove KS
Job Ticket: 19637 **DST#: 5**
Test Start: 2004.08.28 @ 19:24:34

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 21:11:19
Time Test Ended: 02:40:34
Interval: **4530.00 ft (KB) To 4578.00 ft (KB) (TVD)**
Total Depth: **4578.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Rod Steinbrink**
Unit No: **22**
Reference Elevations: **2965.00 ft (KB)**
2960.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6798 **Inside**
Press@RunDepth: **59.66 psig @ 4531.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2004.08.28** End Date: **2004.08.29** Last Calib.: **1899.12.30**
Start Time: **19:24:39** End Time: **02:59:33** Time On Btm: **2004.08.28 @ 21:08:49**
Time Off Btm: **2004.08.29 @ 00:17:49**

TEST COMMENT: **IF; Weak surface blow steady thru**
FF; No return blow



PRESSURE SUMMARY

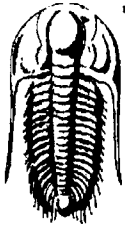
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.13	118.47	Initial Hydro-static
3	19.04	118.24	Open To Flow (1)
37	41.69	120.16	Shut-In(1)
97	1133.79	120.85	End Shut-In(1)
97	45.67	120.59	Open To Flow (2)
127	59.66	121.97	Shut-In(2)
188	1114.82	122.94	End Shut-In(2)
189	2234.39	123.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Slightly Oil Stained WM 15%w 85%o	0.34

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas

W & E Farms #1-32

301 S Market
Wichita KS. 67202

32-12S-31 Gove KS

ATTN: John Hastings

Job Ticket: 19637

DST#: 5

Test Start: 2004.08.28 @ 19:24:34

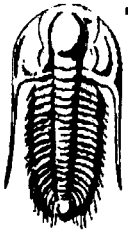
Tool Information

Drill Pipe:	Length: 4407.00 ft	Diameter: 3.80 inches	Volume: 61.82 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4530.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	48.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4509.00	
Hydraulic tool	5.00			4514.00	
Jars	5.00			4519.00	
Safety Joint	2.00			4521.00	
Packer	5.00			4526.00	26.00 Bottom Of Top Packer
Packer	4.00			4530.00	
Stubb	1.00			4531.00	
Recorder	0.00	6798	Inside	4531.00	
Perforations	9.00			4540.00	
Change Over Sub	1.00			4541.00	
Anchor	31.00			4572.00	
Change Over Sub	1.00			4573.00	
Recorder	0.00	13309	Outside	4573.00	
Bullnose	5.00			4578.00	48.00 Bottom Packers & Anchor

Total Tool Length: 74.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas

W & E Farms #1-32

301 S Market
Wichita KS. 67202

32-12S-31 Gove KS

Job Ticket: 19637

DST#: 5

ATTN: John Hastings

Test Start: 2004.08.28 @ 19:24:34

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: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4750.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Slightly Oil Stained WM 15%w 85%m	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

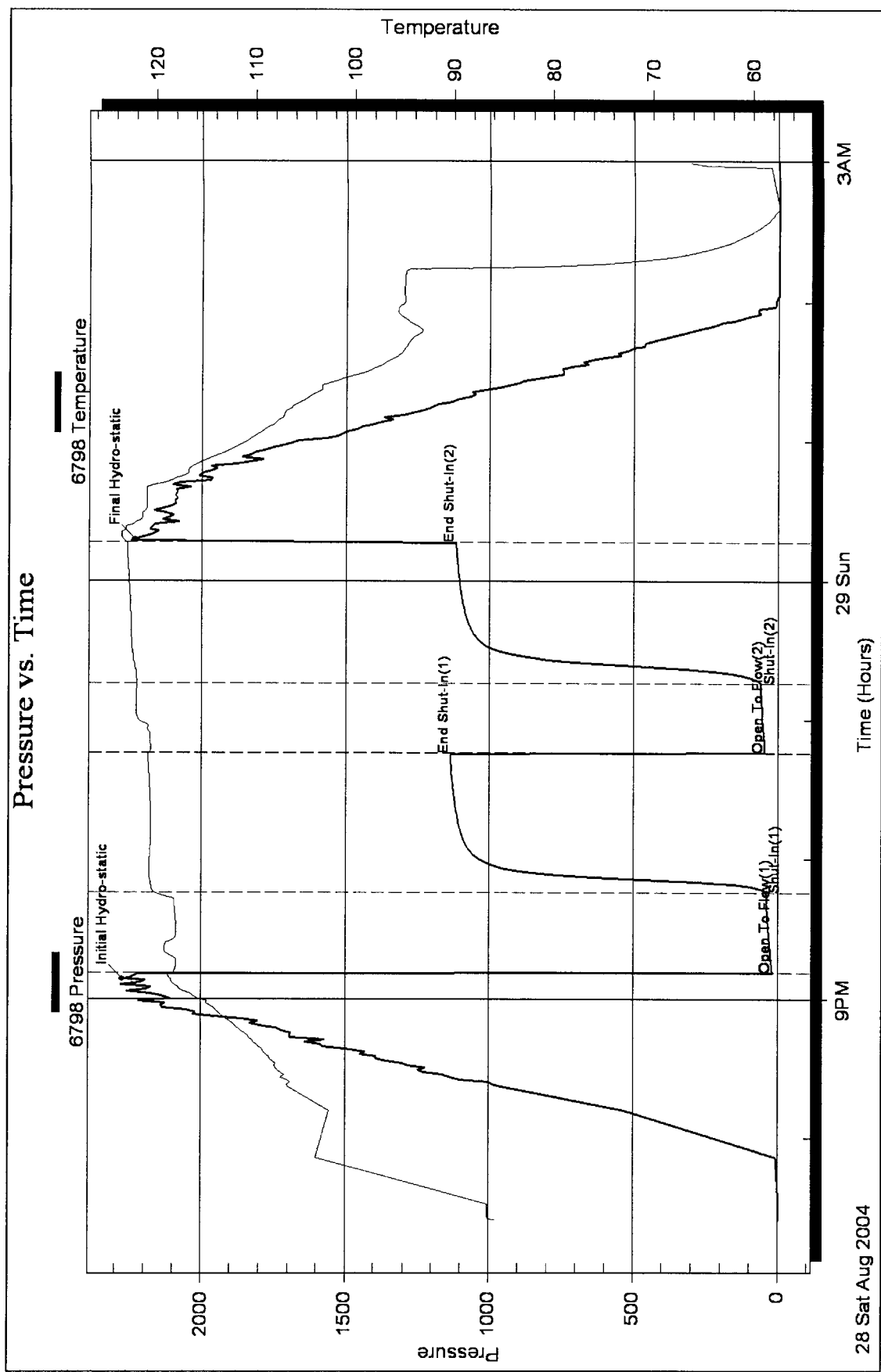
Serial #: 6796

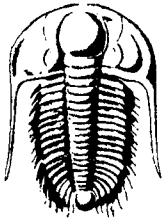
Inside

Lario Oil & Gas

32-12S-31 Gove KS

DST Test Number: 5





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19633

Test Ticket

Well Name & No. W + E Farms #1-32 Test No. 1 Date 8-24-04
 Company Lario Oil + Gas Zone Tested Toronto
 Address 301 S. Market Wichita, KS. 67202 Elevation 2965 KB 2960 GL
 Co. Rep / Geo. John Hastings Cont. Murfin #24 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 32 Twp. 12^s Rge. 31^w Co. Gove State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3981 - 3995 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 48,000
 Anchor Length 14' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3976 - 3981 Tool Weight 2,000
 Bottom Packer Depth 3995 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4010 (RTD) Wt. Pipe Run _____ Drill Collar Run 120'
 Mud Wt. 8.9 LCM _____ Vis. 48 WL 7.2 Drill Pipe Size 4 1/2" XH Ft. Run _____
 Blow Description 1F: Weak steady surface blow Pkr seat failed 11 mins into

Recovery - Total Feet 240' GIP - Ft. in DC 120' Ft. in DP 120'
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. 240' Feet of Drlg. Mud %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 115° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2050 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1923</u> PSI		<u>6798</u>	<u>Misrun 550</u>
(B) First Initial Flow Pressure	<u>14</u> PSI		(depth) <u>3982</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>25</u> PSI		Recorder No. <u>13371</u>	Jars <u>X</u>
(D) Initial Shut-In Pressure	_____ PSI		(depth) <u>3991</u>	Safety Jt. <u>X</u>
(E) Second Initial Flow Pressure	_____ PSI		Recorder No. <u>13309</u>	Circ Sub <u>X N/C</u>
(F) Second Final Flow Pressure	_____ PSI		(depth) <u>4005</u>	Sampler _____
(G) Final Shut-In Pressure	_____ PSI	Initial Opening <u>11</u>		Straddle <u>X</u>
(Q) Final Hydrostatic Mud	<u>1911</u> PSI	Initial Shut-In _____		Ext. Packer <u>X</u>

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Approved By [Signature]
 Our Representative Rod Steinbrink

Final Flow _____
 Final Shut-In _____
 T-On Location 1600
 T-Started 1840
 T-Open 2034
 T-Pulled 2044
 T-Out 2319
 Mileage 7 1/2 way 39
 Sub Total: 1266.5
 Std. By _____
 Other _____
 Total: _____

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart

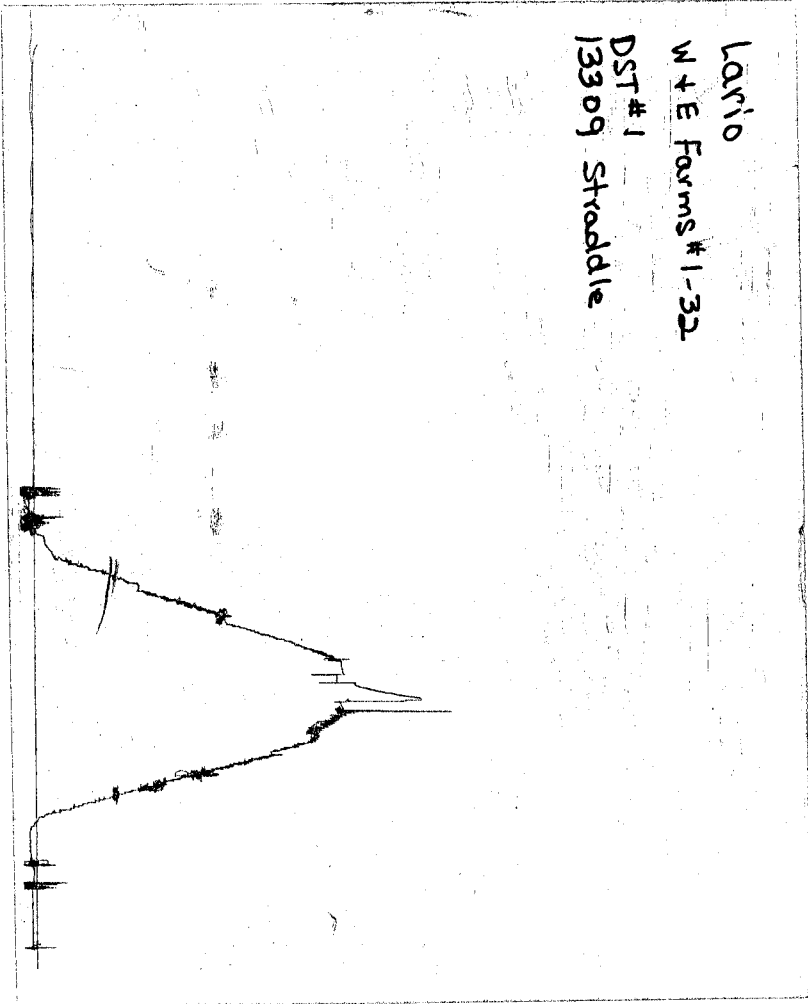
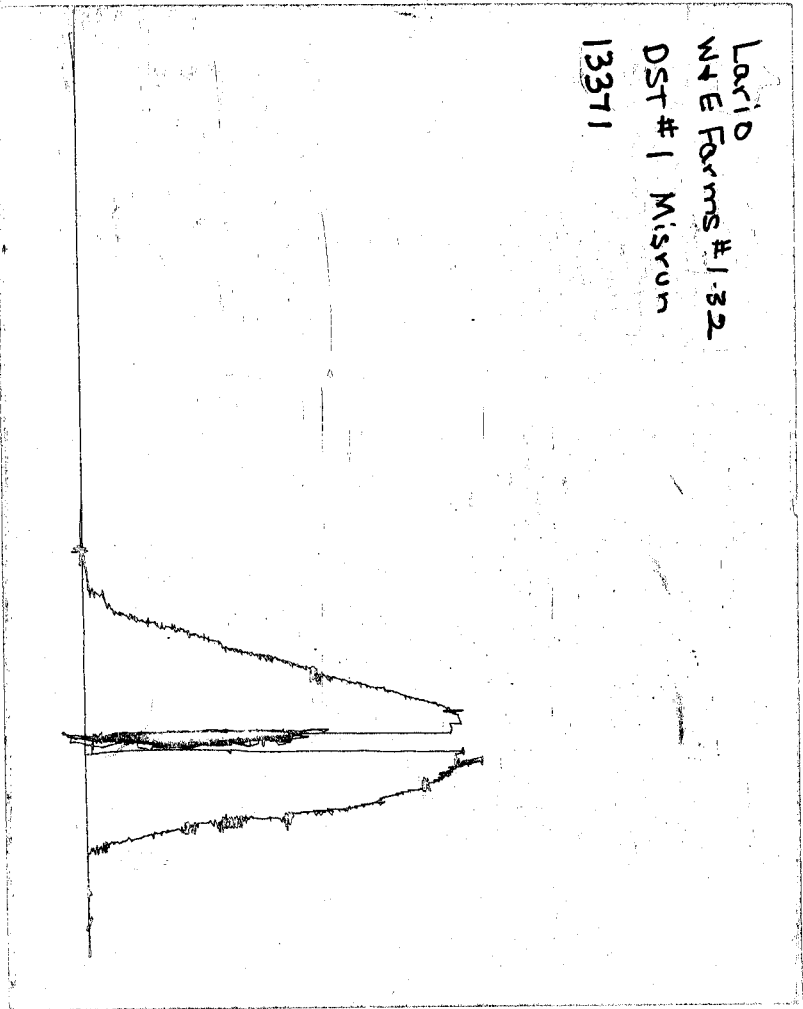
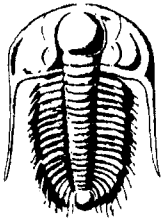


CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19634

05/03

Test Ticket

Well Name & No. W + E Farms #1-32 Test No. 2 Date 8-25-04
 Company Lario Oil + Gas Zone Tested Lans/KC
 Address 301 S. Market Wichita, KS. 67202 Elevation 2965 KB 2960 GL
 Co. Rep / Geo. John Hastings Cont. Murfin #24 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 32 Twp. 12^S Rge. 31^W Co. Gove State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4077 - 4090 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000
 Anchor Length 13' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 30,000
 Top Packer Depth 4072 Tool Weight 2,000
 Bottom Packer Depth 4077 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4090 Wt. Pipe Run — Drill Collar Run 120'
 Mud Wt. 9.0 LCM _____ Vis. 50 WL 7.6 Drill Pipe Size 4 1/2" XH Ft. Run 3946'
 Blow Description IF: Weak surface blow built to 3"

FF: Surface return in 10 mins built to 2"

Recovery - Total Feet 135' GIP — Ft. in DC 120' Ft. in DP 15'
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. 10' Feet of FO %gas 100 %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. 125' Feet of MW %gas _____ %oil 85 %water 15 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 122° °F Gravity 40 °API D @ 390° °F Corrected Gravity 37 °API
 RW .19 @ 70° °F Chlorides 40,000 ppm Recovery _____ Chlorides 2,900 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1990</u> PSI	<u>6798</u>	<u>10</u>
(B) First Initial Flow Pressure		<u>16</u> PSI	(depth) <u>4078</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure		<u>61</u> PSI	Recorder No. <u>13309</u>	Jars <u>X</u> <u>20</u>
(D) Initial Shut-In Pressure		<u>1136</u> PSI	(depth) <u>4085</u>	Safety Jt. <u>X</u>
(E) Second Initial Flow Pressure		<u>66</u> PSI	Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure		<u>87</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>1076</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1940</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
			Final Flow <u>60</u>	Shale Packer _____
			Final Shut-In <u>90</u>	Mileage <u>1 way 39</u>

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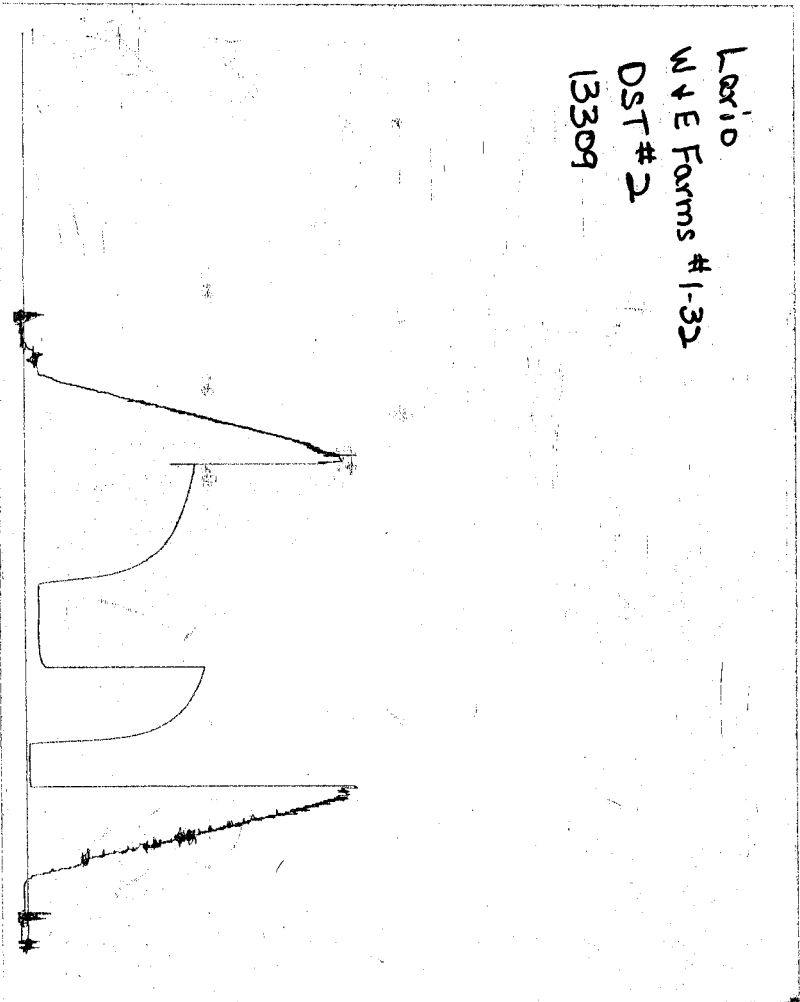
Approved By [Signature]

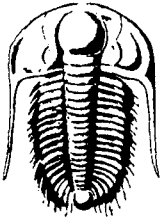
Our Representative Rod Steinbrink

T-On Location 0930
 T-Started 1005
 T-Open 1138
 T-Pulled 1540
 T-Out 1748
 Sub Total: 13100
 Std. By _____
 Other _____
 Total: _____

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19635

05/03

Test Ticket

Well Name & No. W + E Farms #1-32 Test No. 3 Date 8-26-04
 Company Lario Oil + Gas Company Zone Tested Lans/KC
 Address 301 S. Market Wichita, KS. 67202 Elevation 2965 KB 2960 GL
 Co. Rep / Geo. John Hastings Cont. Murfin #24 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 32 Twp. 12^S Rge. 31^W Co. Gove State KS.
 No. of Copies _____ Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4136 - 4225 Initial Str Wt./Lbs. 50,000 Unseated Str Wt/Lbs. 52,000
 Anchor Length 89' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 4131 Tool Weight 2,500
 Bottom Packer Depth 4136 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4225 Wt. Pipe Run _____ Drill Collar Run 120'
 Mud Wt. 9.1 LCM _____ Vis. 48 WL B.O Drill Pipe Size 4 1/2" KH Ft. Run 4003'
 Blow Description IF: Fair to strong off btm 15 mins.
ISI: Very weak surface blow f/ 5 mins.
FF: Weak to Fair off btm 25 mins.
FSI: No return blow

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>530'</u>	<u>220'</u>	<u>120'</u>	<u>410'</u>
Rec. <u>35'</u>	Feet of <u>CGO</u>	<u>15</u> %gas <u>85</u> %oil	%water _____ %mud _____
Rec. <u>75'</u>	Feet of <u>GOWCM</u>	<u>35</u> %gas <u>20</u> %oil	<u>15</u> %water <u>30</u> %mud
Rec. <u>60'</u>	Feet of <u>GOWCM</u>	<u>20</u> %gas <u>5</u> %oil	<u>15</u> %water <u>60</u> %mud
Rec. <u>60'</u>	Feet of <u>MCW</u>	%gas <u>trc</u> %oil	<u>75</u> %water <u>25</u> %mud
Rec. <u>300'</u>	Feet of <u>SMCW</u>	%gas _____ %oil	<u>95</u> %water <u>5</u> %mud
BHT <u>121°</u>	°F Gravity <u>38</u>	°API D @ <u>86°</u>	°F Corrected Gravity <u>36.4</u> °API
RW <u>.16</u>	@ <u>70°</u> °F	Chlorides <u>50,000</u> ppm	Recovery _____ Chlorides <u>3950</u> ppm System

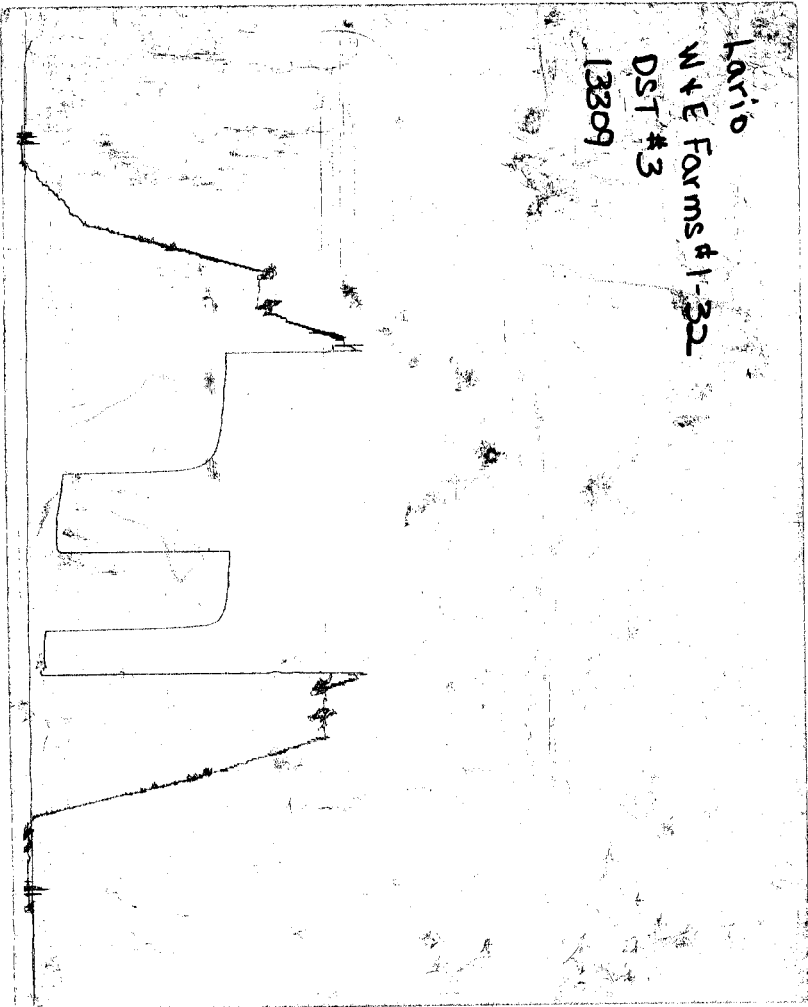
AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2104</u> PSI	<u>6798</u>	<u>102</u>
(B) First Initial Flow Pressure	<u>36</u> PSI	(depth) <u>4137</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>139</u> PSI	Recorder No. <u>13309</u>	Jars <u>X</u> <u>200</u>
(D) Initial Shut-In Pressure	<u>1275</u> PSI	(depth) <u>4220</u>	Safety Jt. <u>X</u> <u>50</u>
(E) Second Initial Flow Pressure	<u>146</u> PSI	Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure	<u>257</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1257</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2093</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
		Final Flow <u>60</u>	Shale Packer _____
		Final Shut-In <u>90</u>	Mileage <u>1 way 39</u>
		T-On Location <u>0900</u>	Sub Total: <u>1316.30</u>
		T-Started <u>1028</u>	Std. By <u>V</u> <u>15</u>
		T-Open <u>1205</u>	Other _____
		T-Pulled <u>1607</u>	Total: <u>1331.30</u>
		T-Out <u>1831</u>	
		T-Off <u>1915</u>	

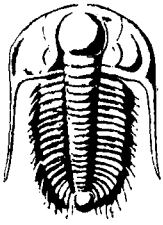
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Approved By [Signature]
 Our Representative Rod Steinbrink

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19636

Test Ticket

Well Name & No. W + E Farms #1-32 Test No. 4 Date 8-27-04
 Company Lario Oil + Gas Company Zone Tested Lans / KC
 Address 301 S. Market Wichita, KS. 67202 Elevation 2965 KB 2960 GL
 Co. Rep / Geo. John Hastings Cont. Murfin #24 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 32 Twp. 12^S Rge. 31^W Co. Gove State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4218 - 4239 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 53,000
 Anchor Length 21' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 4213 Tool Weight 2,000
 Bottom Packer Depth 4218 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4239 Wt. Pipe Run _____ Drill Collar Run 120'
 Mud Wt. 9.1 LCM _____ Vis. 48 WL 8.0 Drill Pipe Size 4 1/2" XH Ft. Run _____
 Blow Description IF: Fair to strong off bttm 8 mins
ISI: No return
FF: Fair to strong off bttm 15 mins.
FSI: No return

Recovery - Total Feet _____ GIP - Ft. in DC 120' Ft. in DP 945'
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. 1065' Feet of SW %gas _____ %oil 100 %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 124 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .17 @ 70° °F Chlorides 45,000 ppm Recovery _____ Chlorides 3,950 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2079</u>	PSI	<u>6798</u>	<u>1000</u>
(B) First Initial Flow Pressure	<u>25</u>	PSI	(depth) <u>4219</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>214</u>	PSI	Recorder No. <u>13309</u>	Jars <u>X</u>
(D) Initial Shut-In Pressure	<u>1258</u>	PSI	(depth) <u>4234</u>	Safety Jt. <u>X</u>
(E) Second Initial Flow Pressure	<u>218</u>	PSI	Recorder No. _____	Circ Sub <u>X N/C</u>
(F) Second Final Flow Pressure	<u>457</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1228</u>	PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2059</u>	PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
			Final Flow <u>60</u>	Shale Packer _____
			Final Shut-In <u>90</u>	Mileage <u>1 way 39 1/2</u>
			T-On Location <u>D100</u>	Sub Total: _____
			T-Started <u>D134</u>	Std. By _____
			T-Open <u>D321</u>	Other _____
			T-Pulled <u>D725</u>	Total: _____
			T-Out <u>D943</u>	
			T-Off <u>D115</u>	

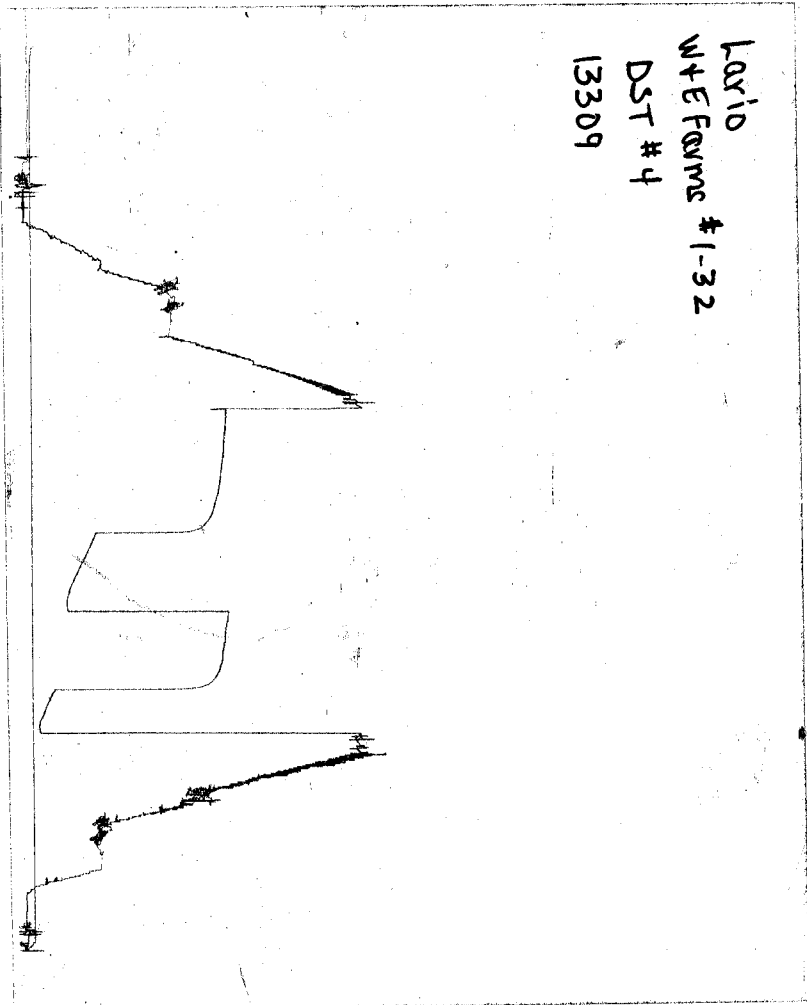
TRILLOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

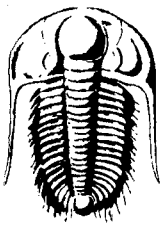
Approved By: [Signature]
 Our Representative Rod Steinbrink

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart

Lax 10
W+E FORMS #1-32
DST #4
13309





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19637

05/03

Test Ticket

Well Name & No. W + E Farms #1-32 Test No. 5 Date 8-28-04
 Company Lario Oil + Gas Company Zone Tested Johnson
 Address 301 S. Market Wichita, KS. 67202 Elevation 2965 KB 2960 GL
 Co. Rep / Geo. John Hastings Cont. Murfin #24 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 32 Twp. 12^S Rge. 31^W Co. Gove State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4530 - 4578 Initial Str Wt./Lbs. 50,000 Unseated Str Wt/Lbs. 50,000
 Anchor Length 48' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 80,000
 Top Packer Depth 4525 Tool Weight 2,500
 Bottom Packer Depth 4530 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4578 Wt. Pipe Run — Drill Collar Run 120'
 Mud Wt. 9.1 LCM 1# Vis. 51 WL 7.2 Drill Pipe Size 4 1/2" XH Ft. Run 4407'
 Blow Description IF: Weak surface blow steady thru
FF: No return

Recovery - Total Feet 70' GIP — Ft. in DC 70' Ft. in DP —
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. 70' Feet of Slightly Oil Stained %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of WM %gas _____ %oil 15 %water 85 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 122° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4,750 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2275</u>	PSI	<u>6798</u>	<u>1000</u>
(B) First Initial Flow Pressure	<u>19</u>	PSI	(depth) <u>4531</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>41</u>	PSI	Recorder No. <u>13309</u>	Jars <u>X</u> <u>200</u>
(D) Initial Shut-In Pressure	<u>1133</u>	PSI	(depth) <u>4573</u>	Safety Jt. <u>X</u> <u>50</u>
(E) Second Initial Flow Pressure	<u>45</u>	PSI	Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure	<u>59</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1114</u>	PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2234</u>	PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>60</u>	Mileage <u>1 way 39 66.30</u>
			T-On Location <u>1800</u>	Sub Total: <u>1316.30</u>
			T-Started <u>21924</u>	Std. By _____
			T-Open <u>2108</u>	Other _____
			T-Pulled <u>0016 8-29-04</u>	Total: _____
			T-Out <u>0240</u>	
			T-Off <u>0315</u>	

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Approved By [Signature]
 Our Representative Rod Steinbrink

CHART PAGE
This is a photocopy of the actual AK-1 recorder chart

Laxid
W+E Farms #1-32
DST # S
13309

