

Operator Name: Layne Energy Operating, LLC Lease Name: Pierce Well #: 16-20
 Sec. 20 Twp. 31 S. R. 17 East West County: Montgomery

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Compensated Density Neutron Dual Induction	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum See Driller's Log
---	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

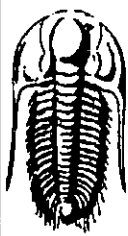
ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeezes Record (Amount and Kind of Material Used)	Depth
4	Bluejacket & Weir	400 bbls 15% HCL, 2,400 lbs 20/40 sand, 364 BBLs Water	795.5 - 799 / 776.5 - 778
4	Tebo	2,400 lbs 20/40 sand, 300 gals 15% HCL, 182 bbls water	735.5' to 737'
4	Croweburg/V-shale	3000 lbs 20/40 sand, 300 gals 15% HCL, 190 bbls water	619' to 621'
4	Excello/Mulky	5,250 lbs 20/40 sand, 300 gals 15% HCL, 225 bbls water	564' to 569'

TUBING RECORD: Size: 2.375 Set At: 905' Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: 11/29/2010
 Producing Method: Flowing Pumping Gas Lift Other (Explain) _____
 Estimated Production Per 24 Hours: Oil Bbls. _____ Gas Mcf 8 Water Bbls. _____ Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dualty Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>564' to 798'</u>
--	--	---



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas
301 S. Market Wichita Ks. 67202
ATTN: Curtis Covey

Knapp #2-31
31/13/31
Job Ticket: 37636 **DST#: 1**
Test Start: 2010.06.06 @ 00:30:00

Mud and Cushion Information

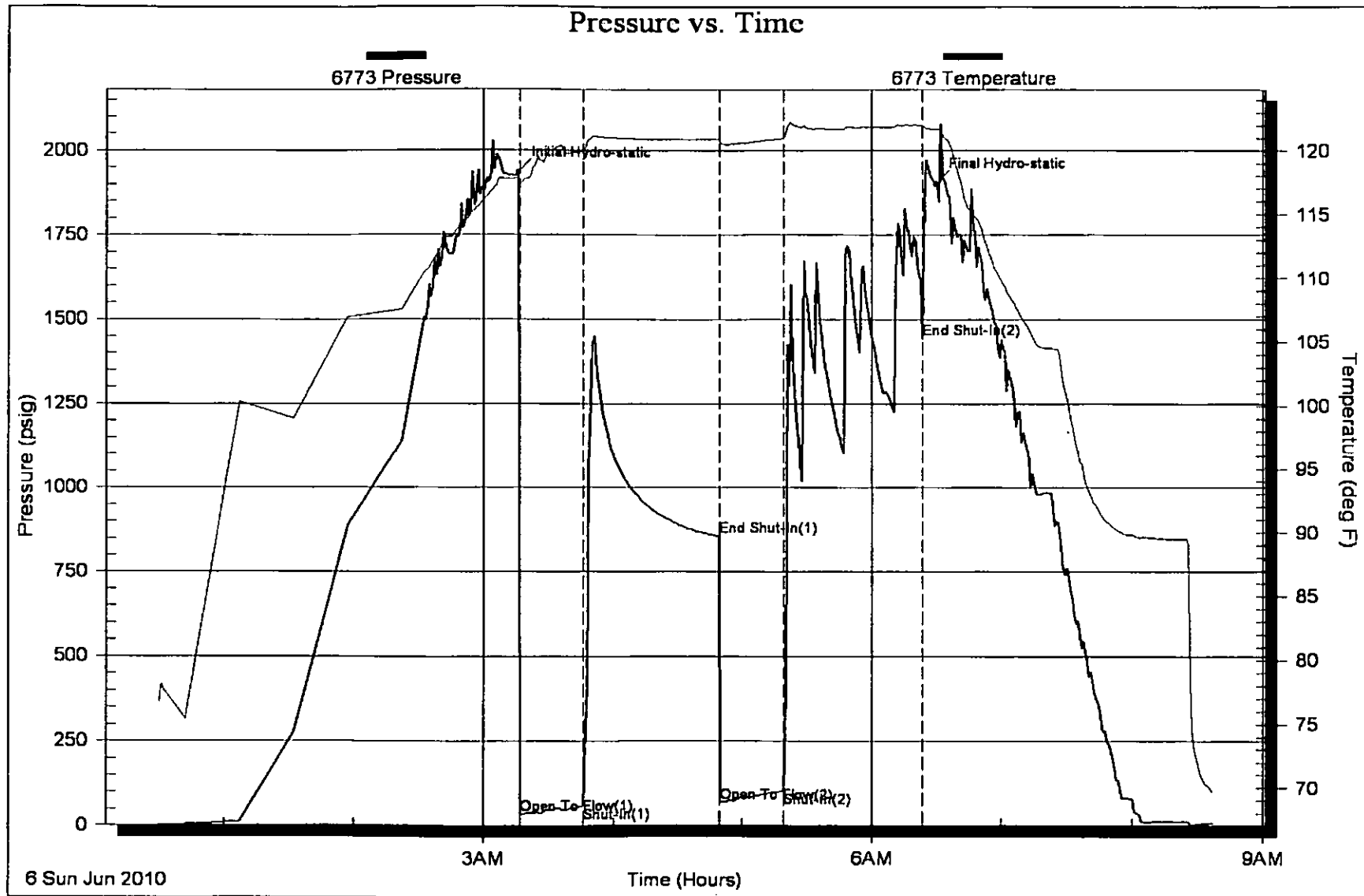
Mud Type: Gel Chem	Cushion Type:	Oil Apt:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1900.00 ppm			
Filter Cake: inches			

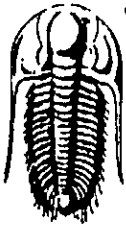
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	100% mud trace of oil	1.964

Total Length: 140.00 ft Total Volume: 1.964 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas
301 S. Market Wichita Ks. 67202

ATTN: Curtis Covey

Knapp #2-31
31/13/31
Job Ticket: 37637 DST#: 2
Test Start: 2010.06.06 @ 22:00:00

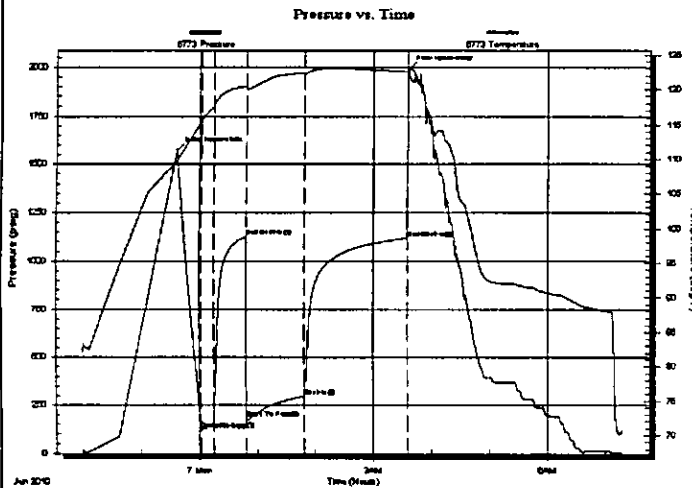
GENERAL INFORMATION:

Formation:
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole
Time Tool Opened: 00:02:10 Tester: Harley Davidson
Time Test Ended: 07:19:00 Unit No: 33

Interval: 4090.00 ft (KB) To 4128.00 ft (KB) (TVD) Reference Elevations: 2930.00 ft (KB)
Total Depth: 4128.00 ft (KB) (TVD) 2921.00 ft (CF)
Hole Diameter: 7.78 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 6773 Inside
Press@RunDepth: 296.43 psig @ 4092.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.06.06 End Date: 2010.06.07 Last Calib.: 2010.06.07
Start Time: 22:00:05 End Time: 07:19:00 Time On Btm: 2010.06.06 @ 23:37:00
Time Off Btm: 2010.06.07 @ 03:35:50

TEST COMMENT: IF- Strong blow BOB ASAO, NO GTS.
IS- Weak surface blow.
FF- Strong building blow BOB, 5min. NO GTS.
FS- No blow back.



PRESSURE SUMMARY

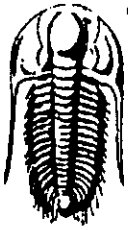
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1571.02	109.75	Initial Hydro-static
26	120.94	115.57	Open To Flow (1)
39	161.40	117.71	Shut-In(1)
72	1125.30	120.45	End Shut-In(1)
72	178.90	120.17	Open To Flow (2)
132	296.43	122.36	Shut-In(2)
238	1117.94	122.57	End Shut-In(2)
239	1990.23	123.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
800.00	95% oil 5 %gas trace of mud	11.22

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas
301 S. Market Wichita Ks. 67202
ATTN: Curtis Covey

Knapp #2-31
31/13/31
Job Ticket: 37637 **DST#: 2**
Test Start: 2010.06.06 @ 22:00:00

Mud and Cushion Information

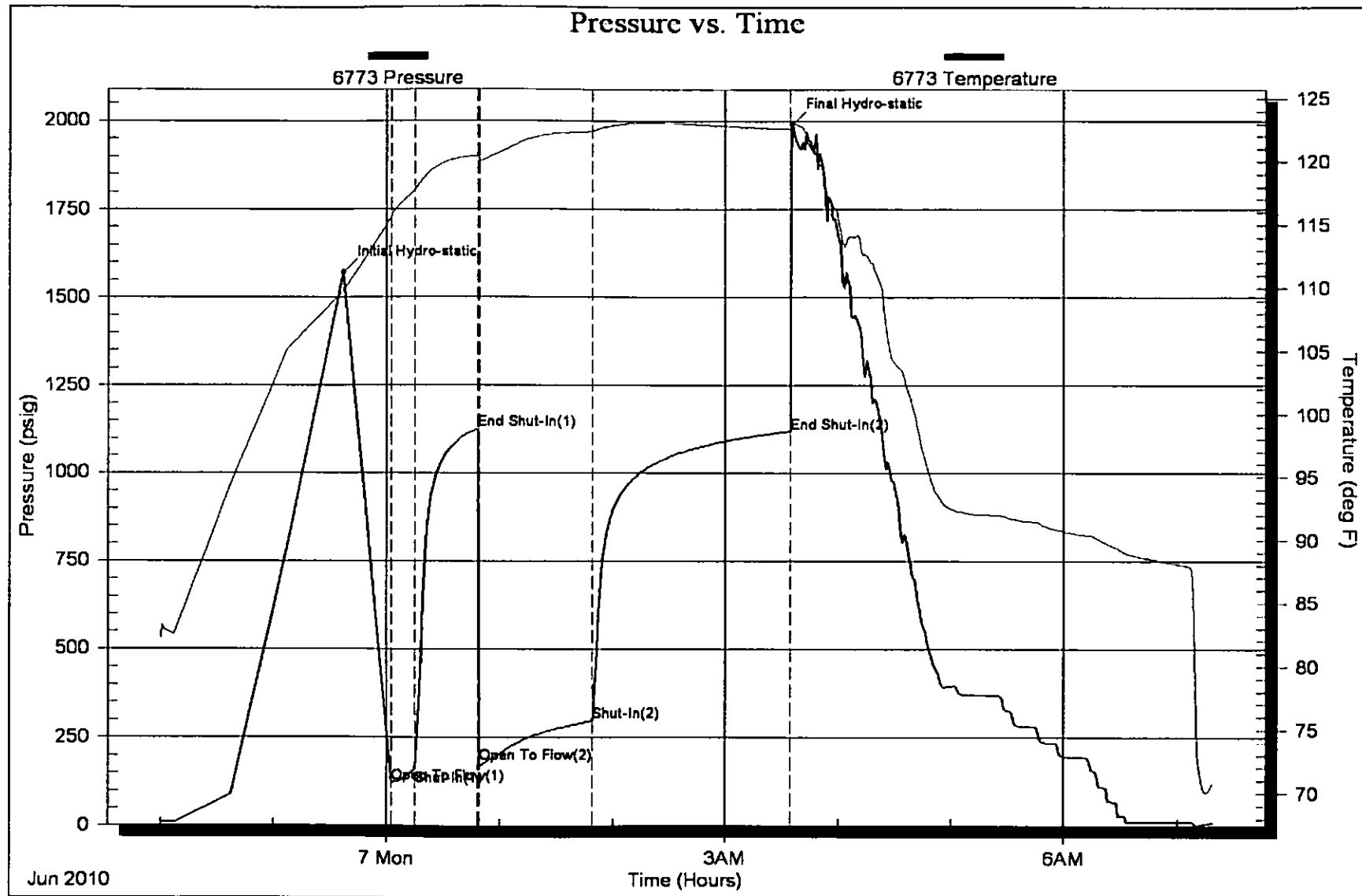
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3200.00 ppm			
Filter Cake: inches			

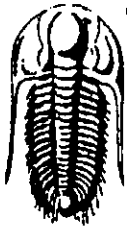
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
800.00	95% oil 5 %gas trace of mud	11.222

Total Length: 800.00 ft Total Volume: 11.222 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas
301 S. Market Wichita Ks. 67202
ATTN: Curtis Covey

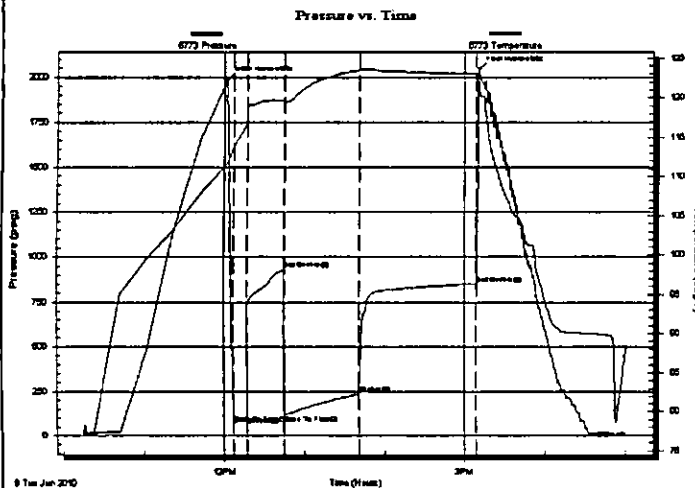
Knapp #2-31
31/13/31
Job Ticket: 37639 DST#: 4
Test Start: 2010.06.08 @ 10:15:00

GENERAL INFORMATION:

Formation: " J "
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:07:00
Time Test Ended: 17:01:30
Interval: 4163.00 ft (KB) To 4186.00 ft (KB) (TVD)
Total Depth: 4163.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Harley Davidson
Unit No: 33
Reference Elevations: 2930.00 ft (KB)
2921.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6773 Inside
Press@RunDepth: 238.90 psig @ 4165.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.06.08 End Date: 2010.06.08 Last Calib.: 2010.06.08
Start Time: 10:15:05 End Time: 17:01:29 Time On Btrm: 2010.06.08 @ 12:02:00
Time Off Btrm: 2010.06.08 @ 15:10:30

TEST COMMENT:
IF- Strong building blow , BOB 6min.
IS- No blow back.
FF- Good building blow , 11min.
FS- Weak surface blow.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1983.73	111.71	Initial Hydro-static
5	70.79	113.85	Open To Flow (1)
15	105.62	116.77	Shut-In(1)
43	934.90	119.72	End Shut-In(1)
43	117.00	119.47	Open To Flow (2)
99	238.90	123.46	Shut-In(2)
187	847.47	123.06	End Shut-In(2)
189	2042.14	121.00	Final Hydro-static

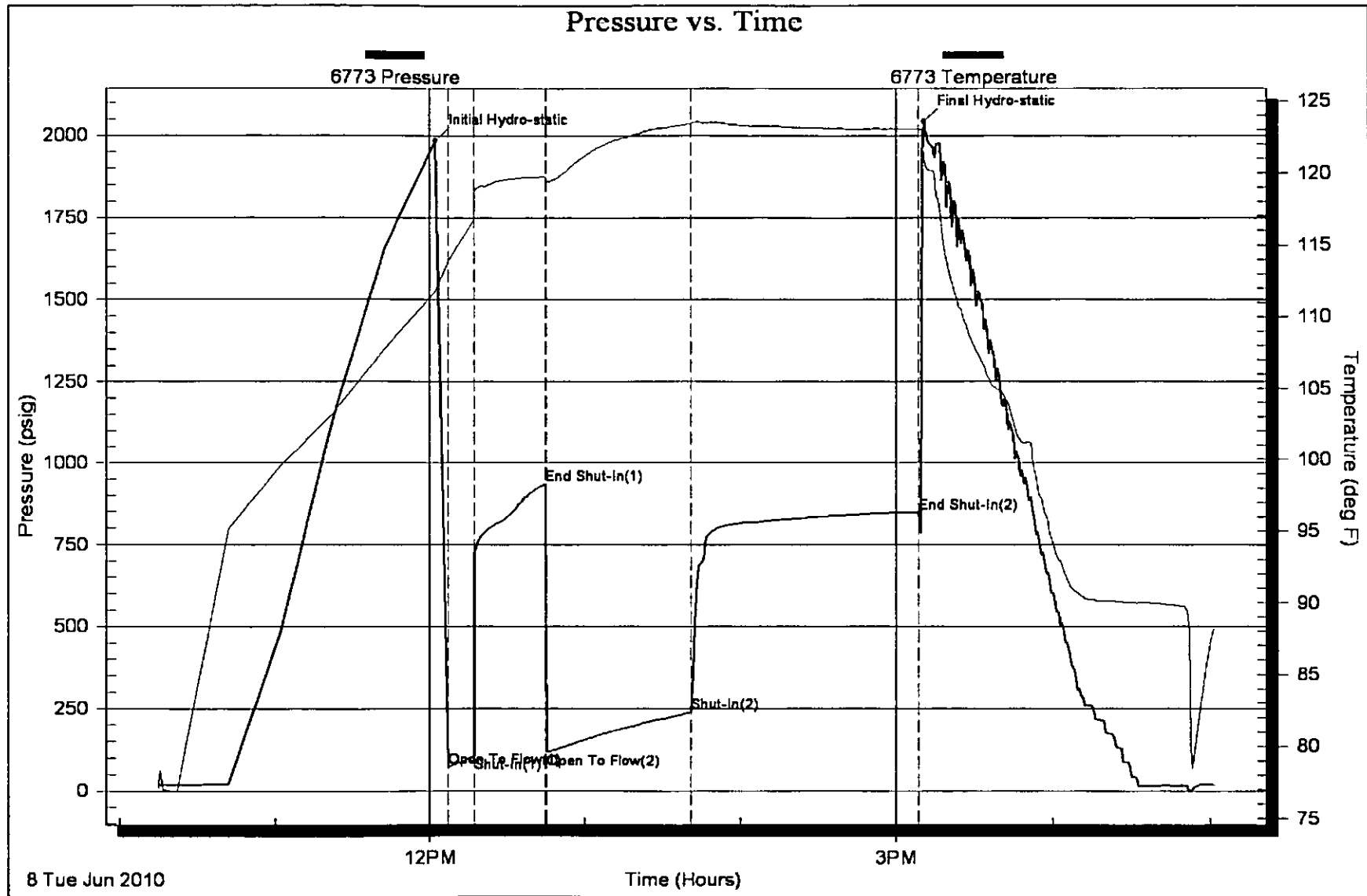
Recovery

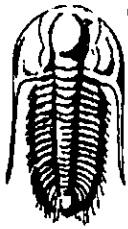
Length (ft)	Description	Volume (bbl)
0.00	500' GP	0.00
120.00	40%gas 60%oil	1.68
330.00	5%gas 5%oil 30%mud 60%w ater	4.63

Gas Rates

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

RECEIVED





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lario Oil & Gas
301 S. Market Wichita Ks. 67202

ATTN: Curtis Covey

Knapp #2-31
31/13/31
Job Ticket: 37638 DST#: 3
Test Start: 2010.06.07 @ 17:00:00

GENERAL INFORMATION:

Formation: I
Deviated: No Whipstock ft (KB)
Time Tool Opened: 18:32:00
Time Test Ended: 23:50:09

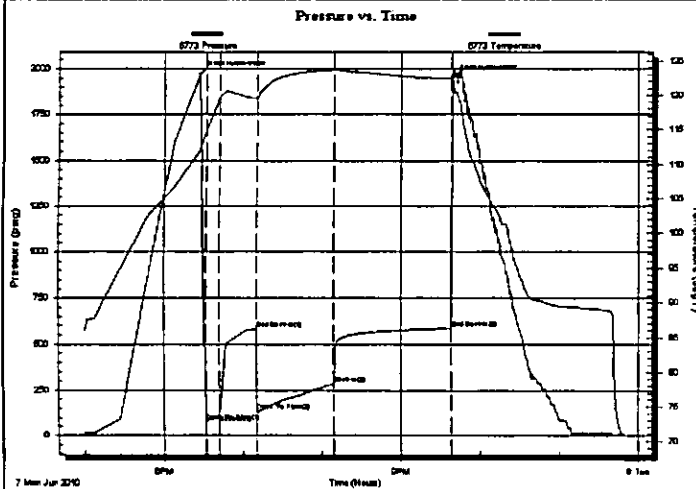
Interval: 4130.00 ft (KB) To 4163.00 ft (KB) (TVD)
Total Depth: 4163.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole
Tester: Harley Davidson
Unit No: 33

Reference Elevations: 2930.00 ft (KB)
2921.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6773 Inside
Press@RunDepth: 285.62 psig @ 4132.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.06.07 End Date: 2010.06.07 Last Calib.: 2010.06.07
Start Time: 17:00:05 End Time: 23:50:09 Time On Btm: 2010.06.07 @ 18:27:00
Time Off Btm: 2010.06.07 @ 21:38:50

TEST COMMENT: IF- Strong building blow BOB 7min.
IS- No blow back.
FF- Strong building blow BOB 8min.
FS- No blow back.



PRESSURE SUMMARY

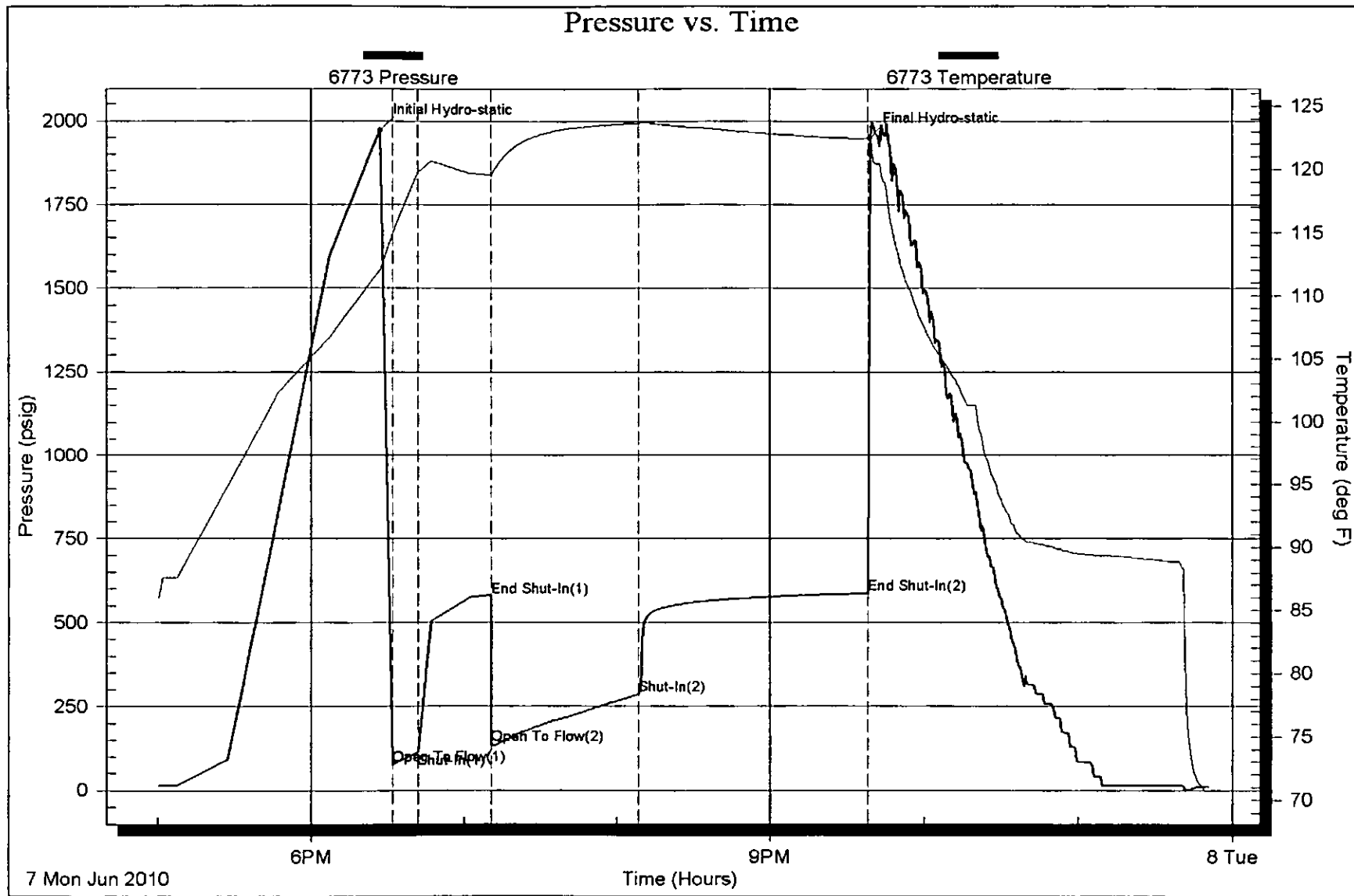
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1971.28	112.02	Initial Hydro-static
5	75.52	114.93	Open To Flow (1)
15	112.82	119.74	Shut-in(1)
44	578.13	119.58	End Shut-in(1)
44	136.80	119.40	Open To Flow (2)
102	285.62	123.65	Shut-in(2)
192	585.59	122.41	End Shut-in(2)
192	1947.40	122.63	Final Hydro-static

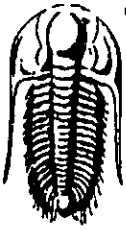
Recovery

Length (ft)	Description	Volume (bbl)
0.00	GP 500'	0.00
750.00	5% gas 5%oil 90% water trace mud	10.52

Gas Rates

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





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas
301 S. Market Wichita Ks. 67202

ATTN: Curtis Covey

Knapp #2-31
31/13/31
Job Ticket: 37640 DST#: 5
Test Start: 2010.06.09 @ 23:45:00

GENERAL INFORMATION:

Formation: **Ft Scott**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 01:13:15
Time Test Ended: 06:16:15

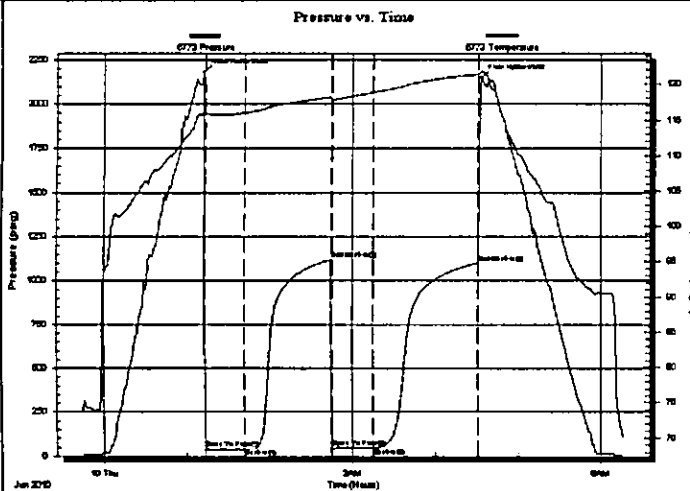
Interval: **4415.00 ft (KB) To 4438.00 ft (KB) (TVD)**
Total Depth: **4438.00 ft (KB) (TVD)**
Hole Diameter: **7.78 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**
Tester: **Harley Davidson**
Unit No: **33**

Reference Elevations: **2930.00 ft (KB)**
2921.00 ft (CF)
KB to GR/CF: **9.00 ft**

Serial #: 6773 **Inside**
Press@RunDepth: **45.79 psig @ 4417.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.06.09** End Date: **2010.06.10** Last Calib.: **2010.06.10**
Start Time: **23:45:05** End Time: **06:16:14** Time On Btm: **2010.06.10 @ 01:12:15**
Time Off Btm: **2010.06.10 @ 04:33:15**

TEST COMMENT: F- Weak blow 1" into the bucket.
SI- No blow back.
FF- No blow.
FSI- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.13	116.26	Initial Hydro-static
1	39.64	115.88	Open To Flow (1)
30	39.80	116.02	Shut-In(1)
92	1119.31	118.15	End Shut-In(1)
93	46.64	117.88	Open To Flow (2)
123	45.79	118.85	Shut-In(2)
199	1099.50	121.37	End Shut-In(2)
201	2147.38	121.82	Final Hydro-static

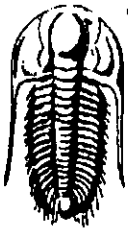
Recovery

Length (ft)	Description	Volume (bbl)
20.00	10%oil 90%mud	0.28

Gas Rates

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

RECEIVED
AUG 04 2010



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas
301 S. Market Wichita Ks. 67202
ATTN: Curtis Covey

Knapp #2-31
31/13/31
Job Ticket: 37640 **DST#: 5**
Test Start: 2010.06.09 @ 23:45:00

Mud and Cushion Information

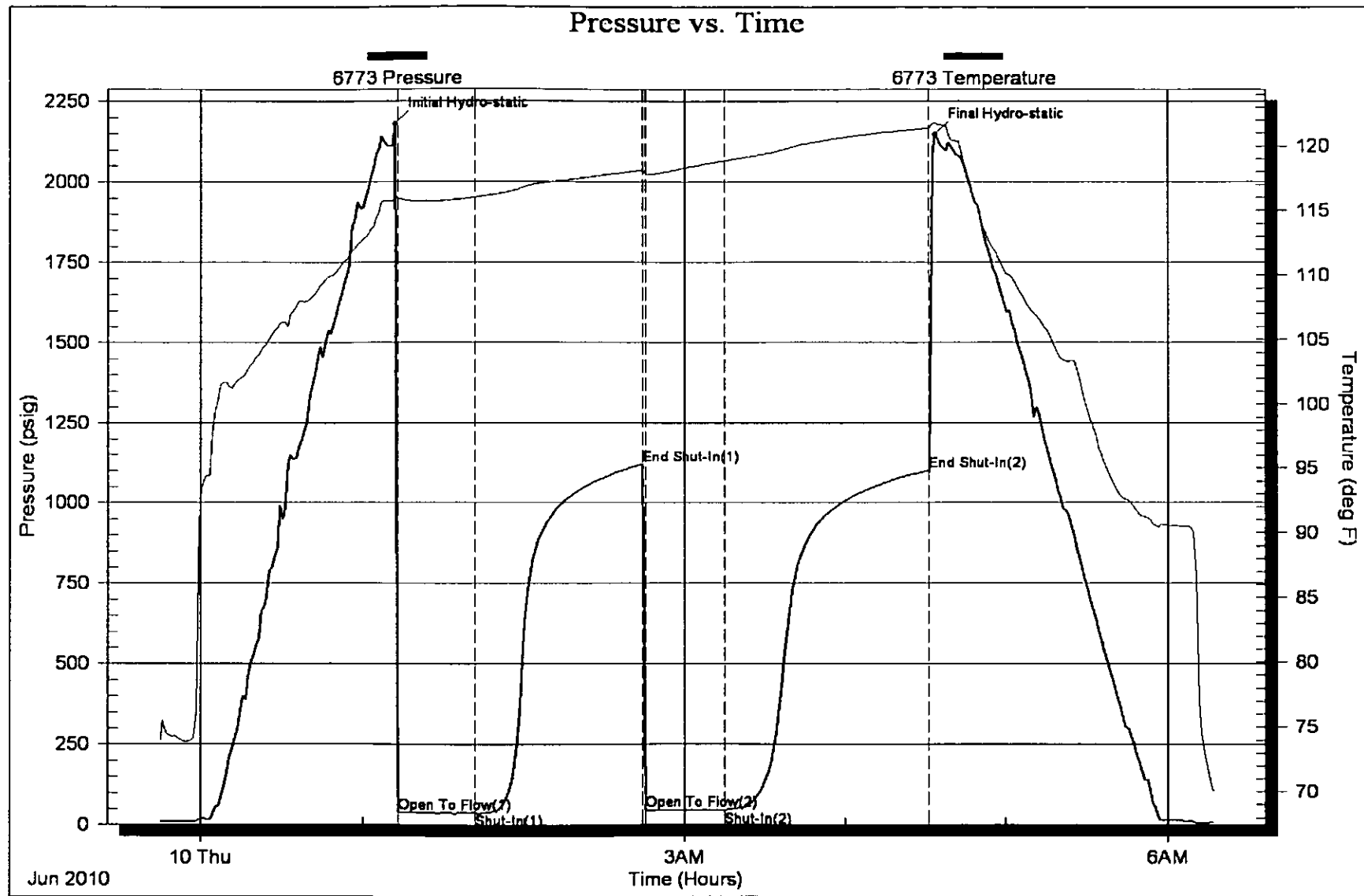
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4100.00 ppm			
Filter Cake: inches			

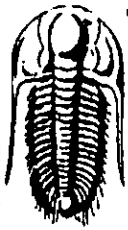
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	10%oil 90%mud	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas
301 S. Market Wichita Ks. 67202

ATTN: Curtis Covey

Knapp #2-31
31/13/31
Job Ticket: 37641 **DST#: 6**
Test Start: 2010.06.10 @ 17:30:00

GENERAL INFORMATION:

Formation: **Lower Cherokee**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 19:24:15
Time Test Ended: 00:24:00

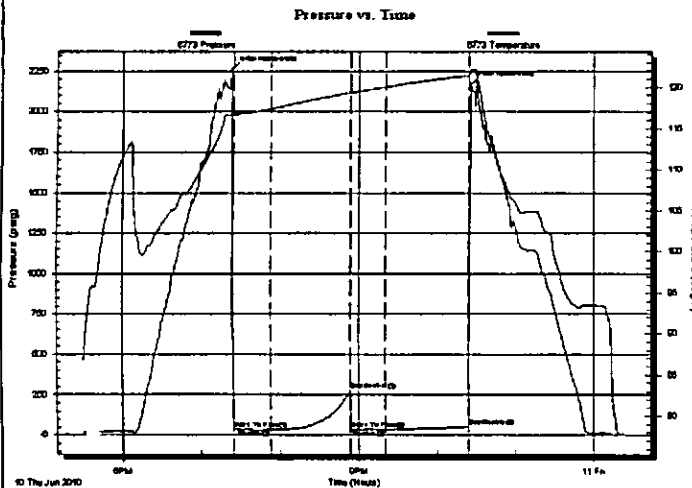
Interval: **4466.00 ft (KB) To 4490.00 ft (KB) (TVD)**
Total Depth: **4518.00 ft (KB) (TVD)**
Hole Diameter: **7.78 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**
Tester: **Harley Davidson**
Unit No: **33**

Reference Elevations: **2930.00 ft (KB)**
2921.00 ft (CF)
KB to GR/CF: **9.00 ft**

Serial #: 6773 **Inside**
Press@RunDepth: **33.77 psig @ 4496.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.06.10** End Date: **2010.06.11** Last Calib.: **2010.06.11**
Start Time: **17:30:05** End Time: **00:23:59** Time On Btm: **2010.06.10 @ 19:23:15**
Time Off Btm: **2010.06.10 @ 22:25:15**

TEST COMMENT: F- Weak surface blow.
IS- No blow back.
FF- No blow.
FS- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.14	116.78	Initial Hydro-static
1	37.46	116.75	Open To Flow (1)
30	33.59	117.38	Shut-In(1)
91	276.21	119.37	End Shut-In(1)
91	36.08	119.32	Open To Flow (2)
118	33.77	120.01	Shut-In(2)
181	52.24	121.41	End Shut-In(2)
182	2168.72	122.18	Final Hydro-static

Recovery

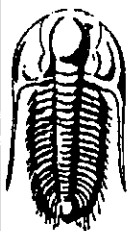
Length (ft)	Description	Volume (bbl)
10.00	10%gas 90% mud	0.14

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/D)

RECEIVED

AUG 04 2010



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas
301 S. Market Wichita Ks. 67202
ATTN: Curtis Covey

Knapp #2-31
31/13/31
Job Ticket: 37641 **DST#: 6**
Test Start: 2010.06.10 @ 17:30:00

Mud and Cushion Information

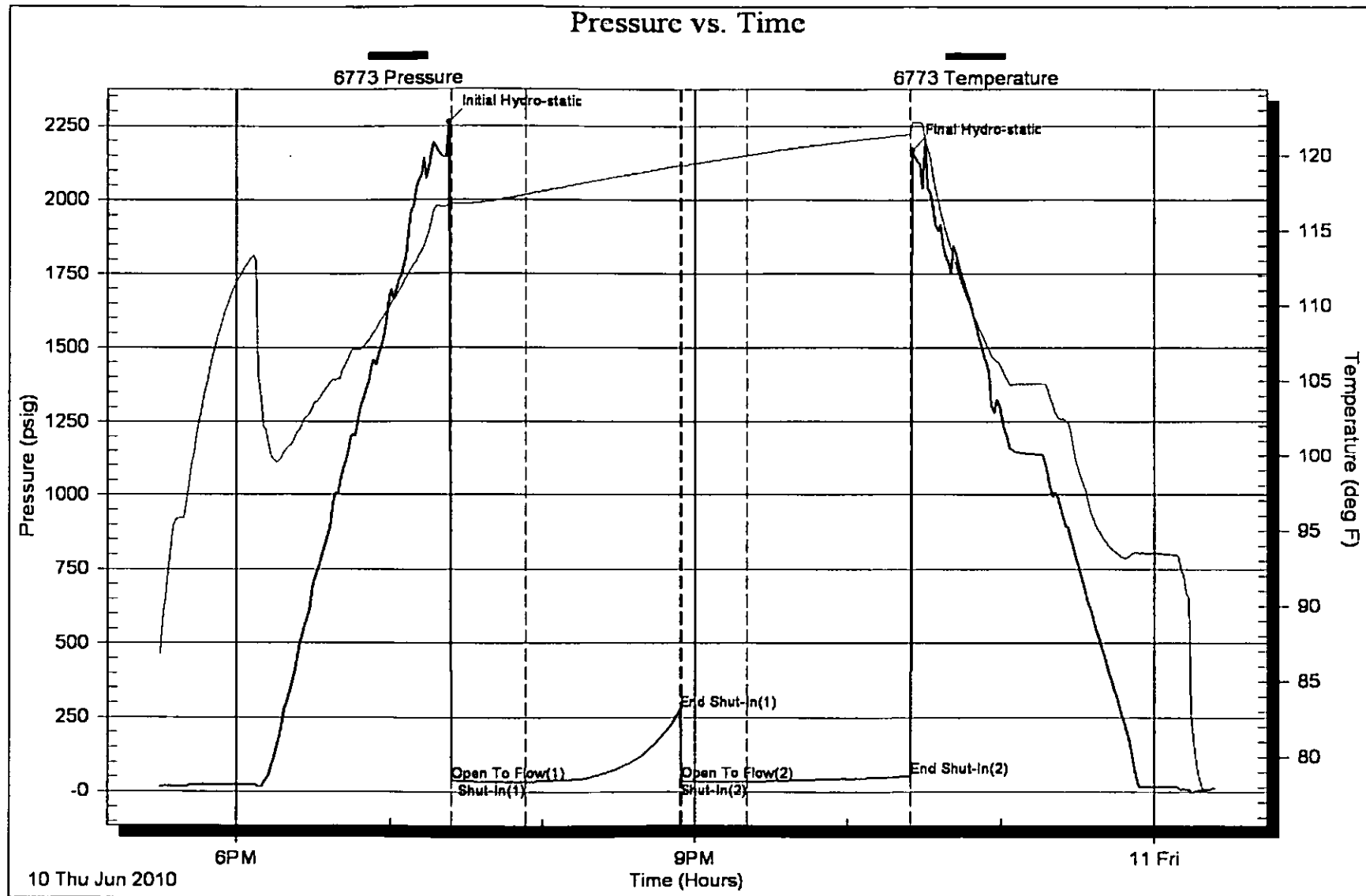
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

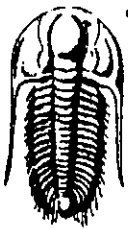
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	10%gas 90% mud	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas
 301 S. Market Wichita Ks. 67202
 ATTN: Curtis Covey

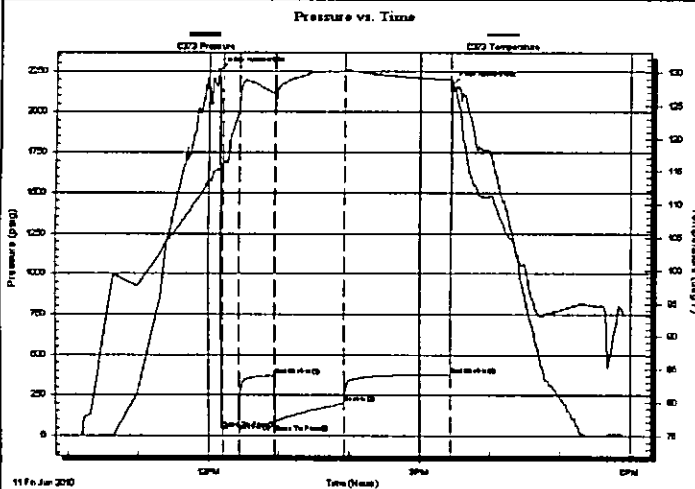
Knapp #2-31
31/13/31
 Job Ticket: 37871 DST#: 7
 Test Start: 2010.06.11 @ 10:12:30

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 12:11:55
 Time Test Ended: 17:54:39
 Interval: **4519.00 ft (KB) To 4538.00 ft (KB) (TVD)**
 Total Depth: **4538.00 ft (KB) (TVD)**
 Hole Diameter: **7.78 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Brandon Turley**
 Unit No: **35**
 Reference Elevations: **2930.00 ft (KB)**
2921.00 ft (CF)
 KB to GR/CF: **9.00 ft**

Serial #: 8373 Inside
 Press@RunDepth: **201.22 psig @ 4520.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.06.11** End Date: **2010.06.11** Last Calib.: **2010.06.11**
 Start Time: **10:12:30** End Time: **17:54:39** Time On Btrc: **2010.06.11 @ 12:08:40**
 Time Off Btrc: **2010.06.11 @ 15:27:09**

TEST COMMENT: IF: BOB in 2 min.
 IS: 1/4 blow built to 7 in 30 min.
 FF: BOB in 9 min.
 FS: Surface blow BOB in 25 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.55	115.44	Initial Hydro-static
4	40.18	115.58	Open To Flow (1)
18	75.77	123.94	Shut-In(1)
48	368.52	126.86	End Shut-In(1)
49	71.50	125.17	Open To Flow (2)
107	201.22	130.16	Shut-In(2)
198	377.28	128.96	End Shut-In(2)
199	2163.65	128.82	Final Hydro-static

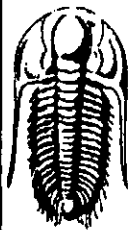
Recovery

Length (ft)	Description	Volume (bbl)
31.00	gocm 10%g 5%o 85%m	0.43
341.00	go 20%g 80%o	4.78
310.00	go 30%g 70%o	4.35
0.00	992 GP	0.00

Gas Rates

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

RECEIVED
AUG 04 2010



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas
301 S. Market Wichita Ks. 67202
ATTN: Curtis Covey

Knapp #2-31
31/13/31
Job Ticket: 37871 **DST#: 7**
Test Start: 2010.06.11 @ 10:12:30

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 27 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.40 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3400.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

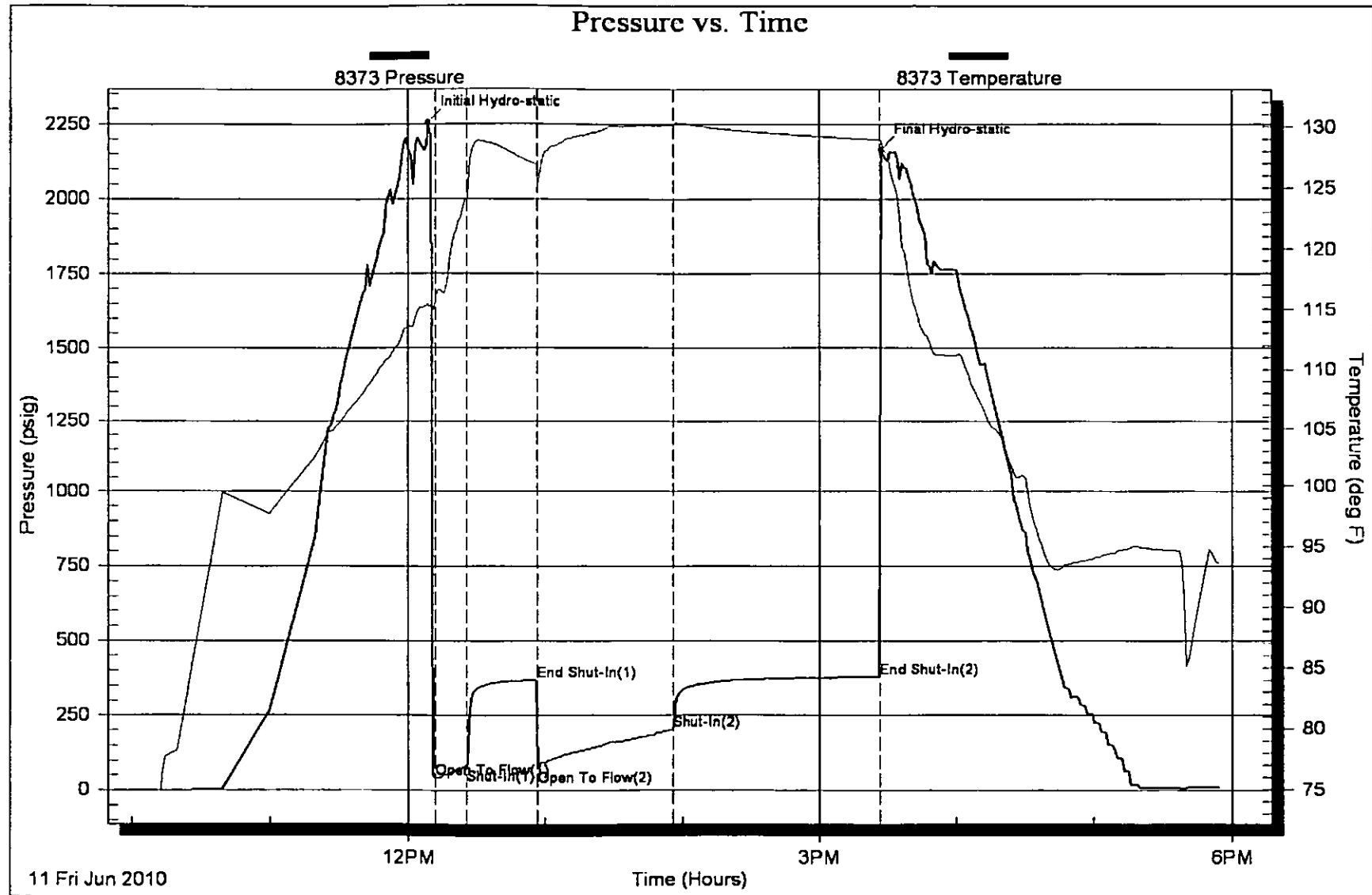
Length ft	Description	Volume bbl
31.00	gocm 10%g 5%o 85%m	0.435
341.00	go 20%g 80%o	4.783
310.00	go 30%g 70%o	4.348
0.00	992 GIP	0.000

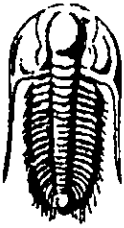
Total Length: 682.00 ft Total Volume: 9.566 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 31@100=27





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lario Oil & Gas
301 S. Market Wichita Ks. 67202
ATTN: Curtis Covey

Knapp #2-31
31/13/31
Job Ticket: 37872 DST#: 8
Test Start: 2010.06.12 @ 02:50:45

GENERAL INFORMATION:

Formation: **Marrow Sand**
Deviated: **No Whipstock** ft (KB) Test Type: **Conventional Bottom Hole**
Time Tool Opened: 04:18:55 Tester: **Brandon Turley**
Time Test Ended: 09:45:54 Unit No: **35**
Interval: **4560.00 ft (KB) To 4596.00 ft (KB) (TVD)** Reference Elevations: **2930.00 ft (KB)**
Total Depth: **4596.00 ft (KB) (TVD)** **2921.00 ft (CF)**
Hole Diameter: **7.78 inches** Hole Condition: **Fair** KB to GR/CF: **9.00 ft**

Serial #: 8373 **Inside**
Press@RunDepth: **25.13 psig @ 4561.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.06.12** End Date: **2010.06.12** Last Calib.: **2010.06.12**
Start Time: **02:50:45** End Time: **09:45:54** Time On Btm: **2010.06.12 @ 04:16:55**
Time Off Btm: **2010.06.12 @ 07:22:39**

TEST COMMENT: IF: 1/4 blow died in 6 min.
IS: No return.
FF: No blow.
FS: No return.

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2307.52	117.09	Initial Hydro-static
2	29.46	116.11	Open To Flow (1)
32	25.54	117.28	Shut-In(1)
93	479.56	119.19	End Shut-In(1)
93	27.69	118.86	Open To Flow (2)
122	25.13	119.85	Shut-In(2)
185	136.86	121.09	End Shut-In(2)
186	2209.68	122.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100% m	0.14

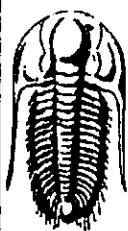
Gas Rates

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

RECEIVED

AUG 04 2010

KCC WICHITA



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas
301 S. Market Wichita Ks. 67202
ATTN: Curtis Covey

Knapp #2-31
31/13/31
Job Ticket: 37872 **DST#: 8**
Test Start: 2010.06.12 @ 02:50:45

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

