



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Larson Engineering, INC

562 W State Rd 4
Olmitz KS 67564

ATTN: Vern Schrag

Whiting-Dutoit # 1-29

29-18s-30w Lane Co

Job Ticket: 43879

DST#: 1

Test Start: 2011.08.23 @ 01:54:05

GENERAL INFORMATION:

Formation: **LKC - J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:14:00

Time Test Ended: 08:09:44

Test Type: Conventional Bottom Hole

Tester: Will MacLean

Unit No: 35

Interval: 4190.00 ft (KB) To 4214.00 ft (KB) (TVD)

Total Depth: 4214.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2898.00 ft (KB)

2891.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8373 Inside

Press@RunDepth: 70.34 psig @ 4191.00 ft (KB)

Start Date: 2011.08.23

End Date:

2011.08.23

Start Time: 01:54:05

End Time:

08:09:44

Capacity: 8000.00 psig

Last Calib.: 2011.08.23

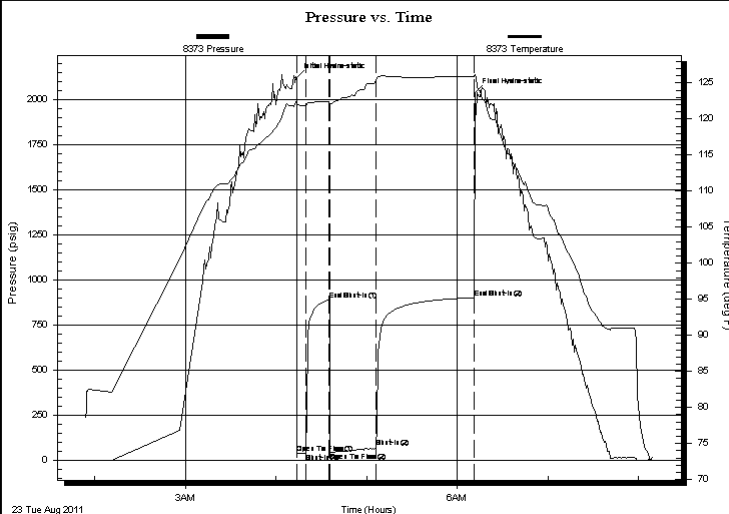
Time On Btm: 2011.08.23 @ 04:13:45

Time Off Btm: 2011.08.23 @ 06:11:44

TEST COMMENT: IF- Weak Surface Blow
IS- No Blow
FF- Surface Blow Built to 3/4"
FS- No Blow

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2117.68	122.49	Initial Hydro-static
1	38.21	121.84	Open To Flow (1)
7	39.88	121.90	Shut-In(1)
22	887.82	122.46	End Shut-In(1)
22	42.08	122.11	Open To Flow (2)
53	70.34	125.36	Shut-In(2)
118	900.07	125.90	End Shut-In(2)
118	2035.87	126.18	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
2.00	100% Oil	0.01
50.00	OCM 10%o 90%m	0.25
55.00	OCM 20%o 80%m	0.27

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Whiting-Dutoit # 1-29

562 W State Rd 4
Olmitz KS 67564

29-18s-30w Lane Co

Job Ticket: 43879

DST#: 1

ATTN: Vern Schrag

Test Start: 2011.08.23 @ 01:54:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 7.17 in³

Resistivity: ohm.m

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	100% Oil	0.010
50.00	OCM 10%o 90%m	0.246
55.00	OCM 20%o 80%m	0.270

Total Length: 107.00 ft

Total Volume: 0.526 bbl

Num Fluid Samples: 0

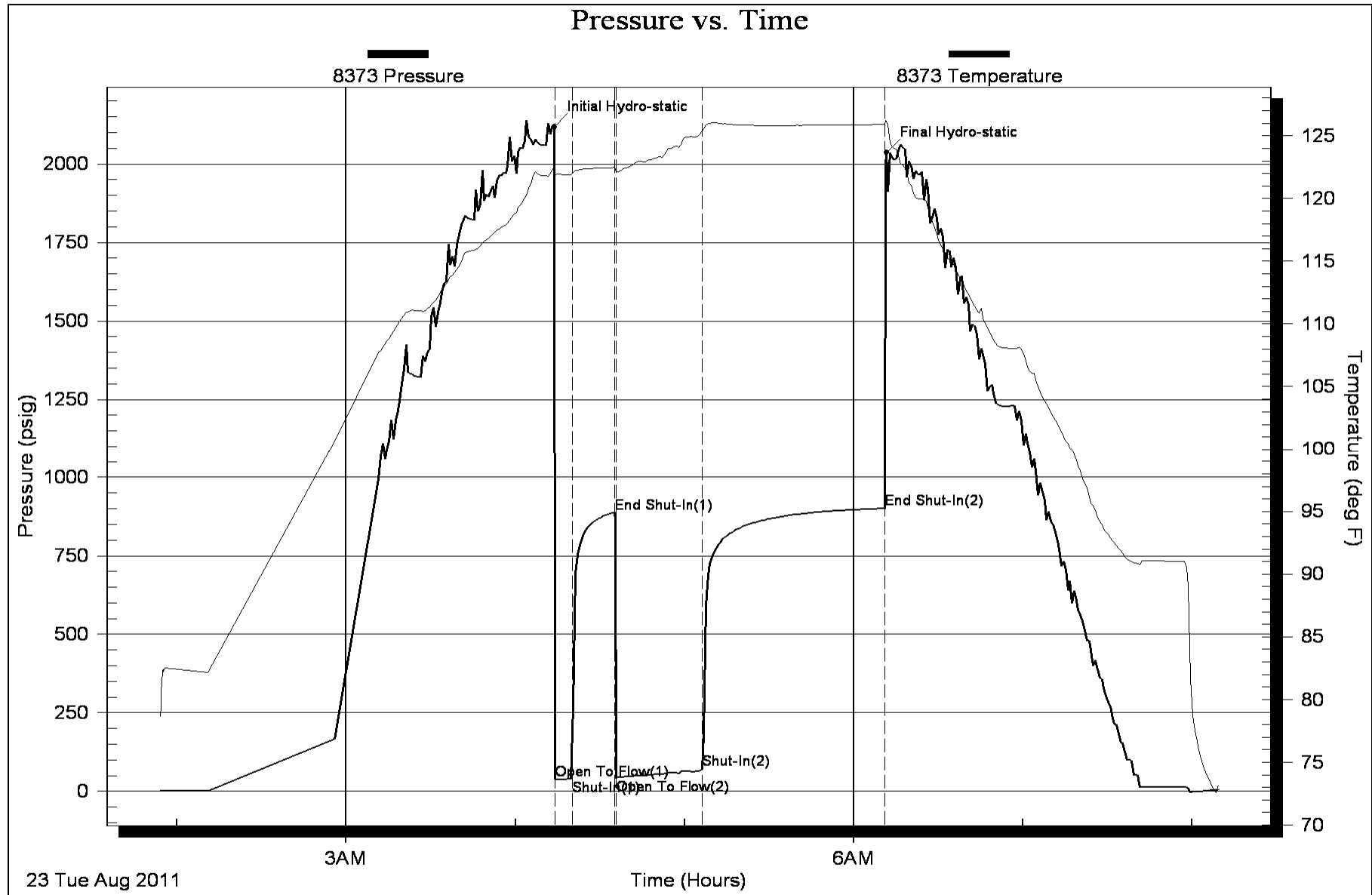
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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562 W State Rd 4
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ATTN: Vern Schrag

Whiting-Dutoit # 1-29

29-18s-30w Lane Co

Job Ticket: 43880

DST#: 2

Test Start: 2011.08.23 @ 17:08:05

GENERAL INFORMATION:

Formation: **LKC- K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:04:30

Time Test Ended: 22:50:29

Test Type: Conventional Bottom Hole

Tester: Will MacLean

Unit No: 35

Interval: 4217.00 ft (KB) To 4248.00 ft (KB) (TVD)

Total Depth: 4248.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2898.00 ft (KB)

2891.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8373 Inside

Press@RunDepth: 405.03 psig @ 4218.00 ft (KB)

Start Date: 2011.08.23

End Date:

2011.08.23

Start Time: 17:08:05

End Time:

22:50:29

Capacity: 8000.00 psig

Last Calib.: 2011.08.23

Time On Btm: 2011.08.23 @ 19:04:15

Time Off Btm: 2011.08.23 @ 20:11:45

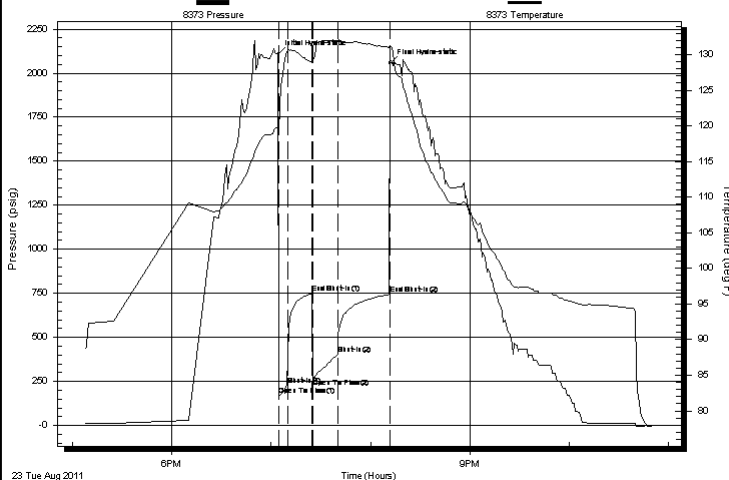
TEST COMMENT: IF- BOB in 2 min

ISI- No Blow

FF- BOB in 2 1/2 min

FSI- No Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2107.65	119.78	Initial Hydro-static
1	169.06	119.21	Open To Flow (1)
6	227.36	130.42	Shut-In(1)
21	749.59	128.93	End Shut-In(1)
21	266.51	129.17	Open To Flow (2)
36	405.03	131.94	Shut-In(2)
68	743.35	131.00	End Shut-In(2)
68	2055.49	131.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
183.00	OMcW 2%o 58%w 40%m	1.28
200.00	OMcW 4%o 66%w 30%m	2.81
427.00	OMcW 2%o 93w 5%m	5.99

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Whiting-Dutoit # 1-29

562 W State Rd 4
Olmitz KS 67564

29-18s-30w Lane Co

Job Ticket: 43880

DST#: 2

ATTN: Vern Schrag

Test Start: 2011.08.23 @ 17:08:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 7.59 in³

Resistivity: ohm.m

Salinity: 1600.00 ppm

Filter Cake: 2.00 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
183.00	OMcW 2%o 58%w 40%m	1.283
200.00	OMcW 4%o 66%w 30%m	2.805
427.00	OMcW 2%o 93w 5%m	5.990

Total Length: 810.00 ft Total Volume: 10.078 bbl

Num Fluid Samples: 0

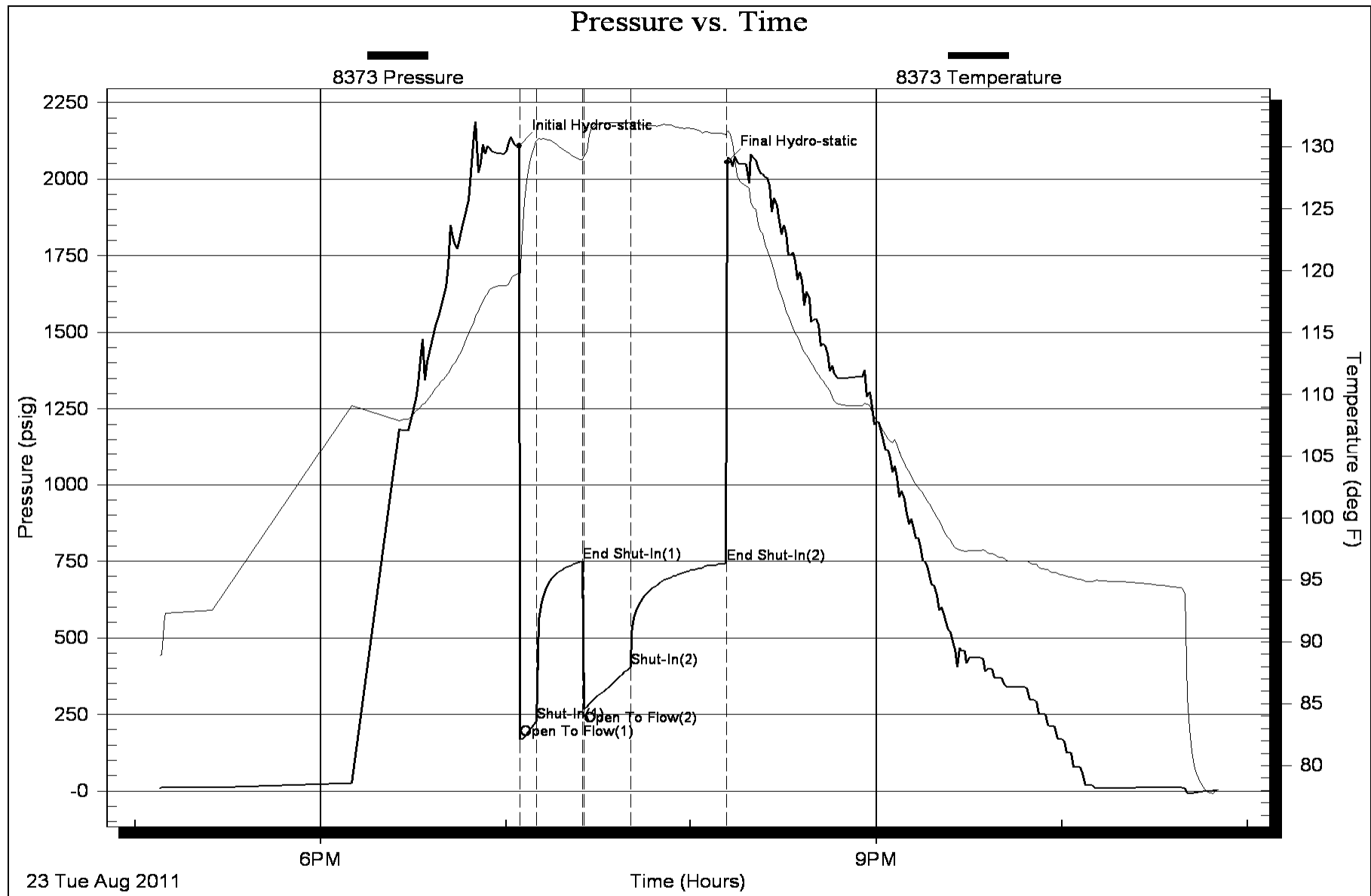
Num Gas Bombs: 0

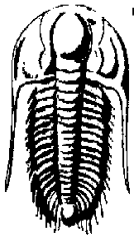
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is 1. @ 82f =5000





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ATTN: Vern Schrag

Whiting-Dutoit # 1-29

29-18s-30w Lane Co

Job Ticket: 43881

DST#: 3

Test Start: 2011.08.24 @ 07:52:05

GENERAL INFORMATION:

Formation: **Mid Creek**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:29:30

Time Test Ended: 12:14:29

Test Type: Conventional Bottom Hole

Tester: Will MacLean

Unit No: 35

Interval: 4267.00 ft (KB) To 4274.00 ft (KB) (TVD)

Total Depth: 4274.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2898.00 ft (KB)

2891.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8373 Inside

Press@RunDepth: 26.85 psig @ 4268.00 ft (KB)

Start Date: 2011.08.24

End Date:

2011.08.24

Start Time: 07:52:05

End Time:

12:14:29

Capacity: 8000.00 psig

Last Calib.: 2011.08.24

Time On Btm: 2011.08.24 @ 09:29:15

Time Off Btm: 2011.08.24 @ 10:37:45

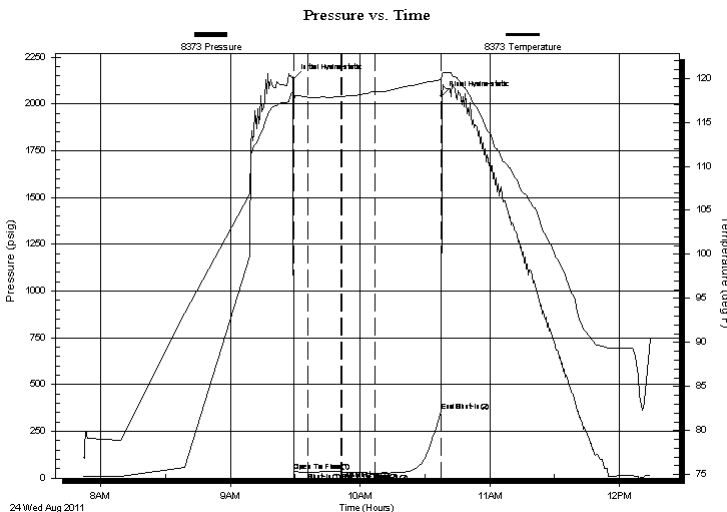
TEST COMMENT: IF-Weak Surface Blow Died in 5sec

ISI- No Blow

FF-No Blow

FSI-No Blow

PRESSURE SUMMARY



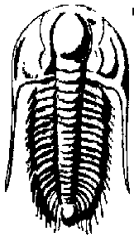
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2137.56	118.51	Initial Hydro-static
1	34.46	117.35	Open To Flow (1)
7	31.40	117.84	Shut-In(1)
22	39.31	117.91	End Shut-In(1)
23	29.75	117.91	Open To Flow (2)
38	26.85	118.41	Shut-In(2)
69	356.40	119.83	End Shut-In(2)
69	2044.52	120.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	5' m 100% m	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Whiting-Dutoit # 1-29

562 W State Rd 4
Olmitz KS 67564

29-18s-30w Lane Co

Job Ticket: 43881

DST#: 3

ATTN: Vern Schrag

Test Start: 2011.08.24 @ 07:52:05

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	5' m 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

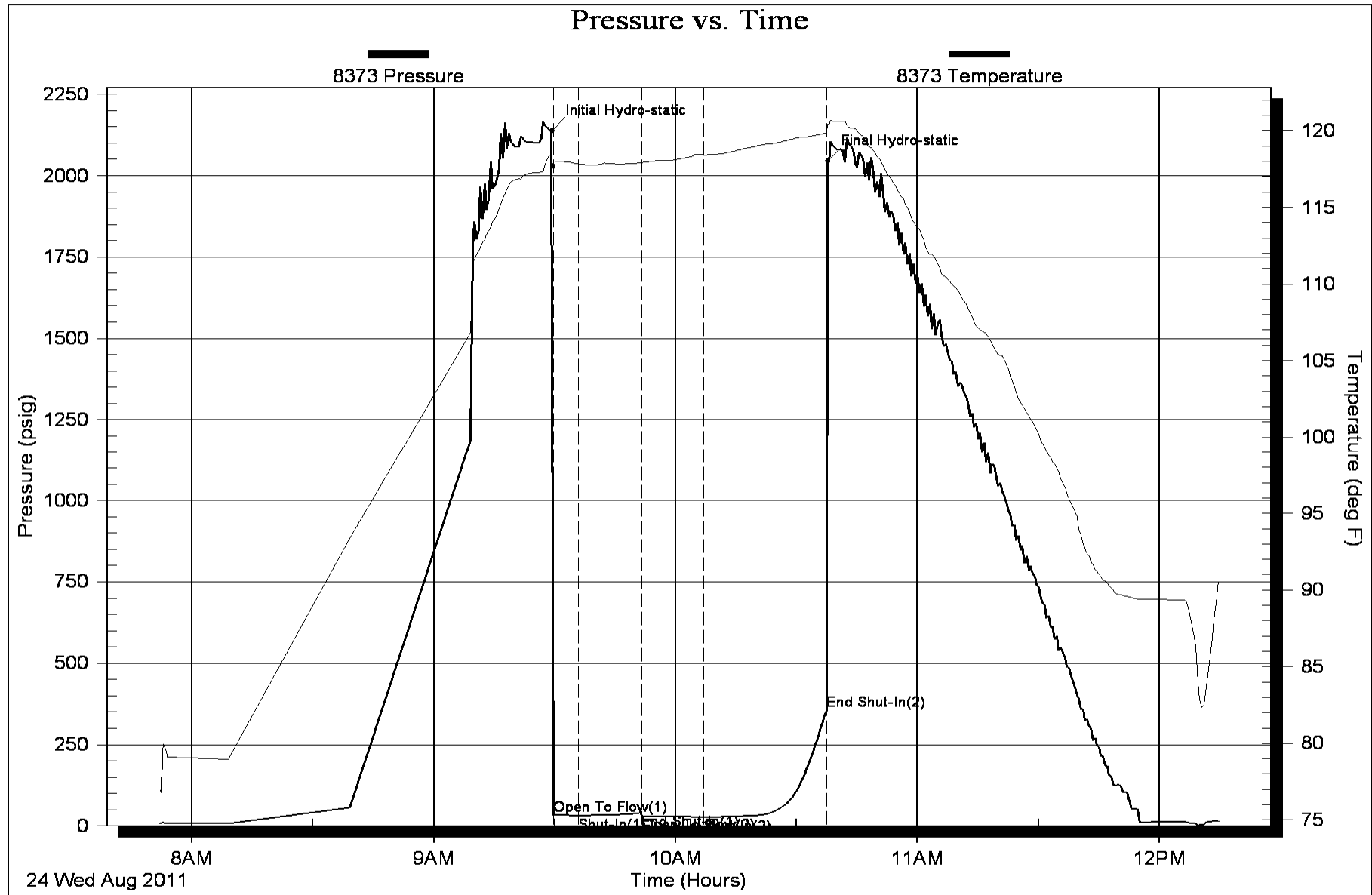
Num Gas Bombs: 0

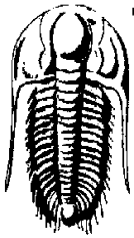
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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DRILL STEM TEST REPORT

Larson Engineering, INC

562 W State Rd 4
Olmitz KS 67564

ATTN: Vern Schrag

Whiting-Dutoit # 1-29

29-18s-30w Lane Co

Job Ticket: 43684

DST#: 4

Test Start: 2011.08.25 @ 12:59:09

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:31:19

Time Test Ended: 18:29:03

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 4311.00 ft (KB) To 4375.00 ft (KB) (TVD)

Reference Elevations: 2898.00 ft (KB)

Total Depth: 4375.00 ft (KB) (TVD)

2891.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8373 Inside

Press@RunDepth: 189.02 psig @ 4316.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.25

End Date:

2011.08.25

Last Calib.: 2011.08.25

Start Time: 12:59:09

End Time:

18:29:03

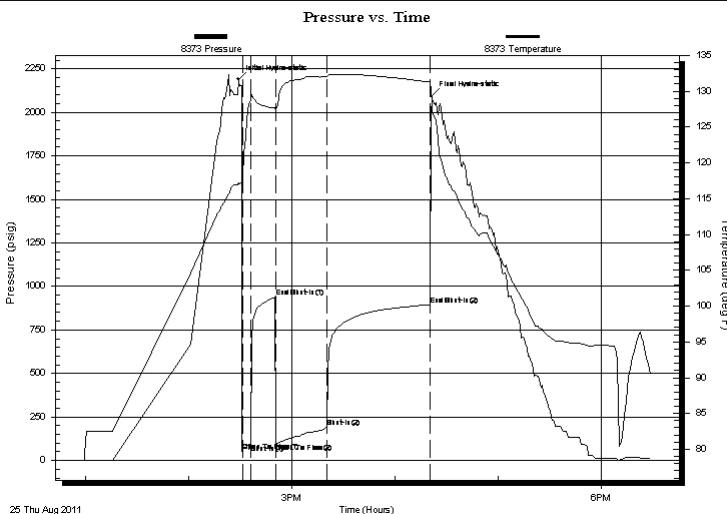
Time On Btm: 2011.08.25 @ 14:29:04

Time Off Btm: 2011.08.25 @ 16:21:19

TEST COMMENT: IF: 1/4 blow built to 5 in 5 min.
IS: No return.
FF: 1/4 blow BOB in 10 min.
FS: Surface blow built to a 1/2 in 60 min.

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2189.85	117.17	Initial Hydro-static
3	54.09	116.72	Open To Flow (1)
7	95.59	128.80	Shut-In(1)
22	940.38	127.71	End Shut-In(1)
22	97.05	127.42	Open To Flow (2)
52	189.02	132.05	Shut-In(2)
112	895.68	131.28	End Shut-In(2)
113	2093.82	128.52	Final Hydro-static

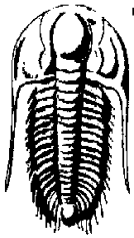


Recovery

Length (ft)	Description	Volume (bbl)
180.00	mcw 90%w 10%m	1.24
150.00	ocmw 5%o 55%w 40%m	2.10
90.00	go 10%g 90%o	1.26
0.00	120 GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Whiting-Dutoit # 1-29

562 W State Rd 4
Olmitz KS 67564

29-18s-30w Lane Co

Job Ticket: 43684

DST#: 4

ATTN: Vern Schrag

Test Start: 2011.08.25 @ 12:59:09

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 6.80 in³

Resistivity: 0.00 ohm.m

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API: 34 deg API

Water Salinity: 23000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	mcw 90%w 10%m	1.240
150.00	ocmw 5%o 55%w 40%m	2.104
90.00	go 10%g 90%o	1.262
0.00	120 GIP	0.000

Total Length: 420.00 ft Total Volume: 4.606 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

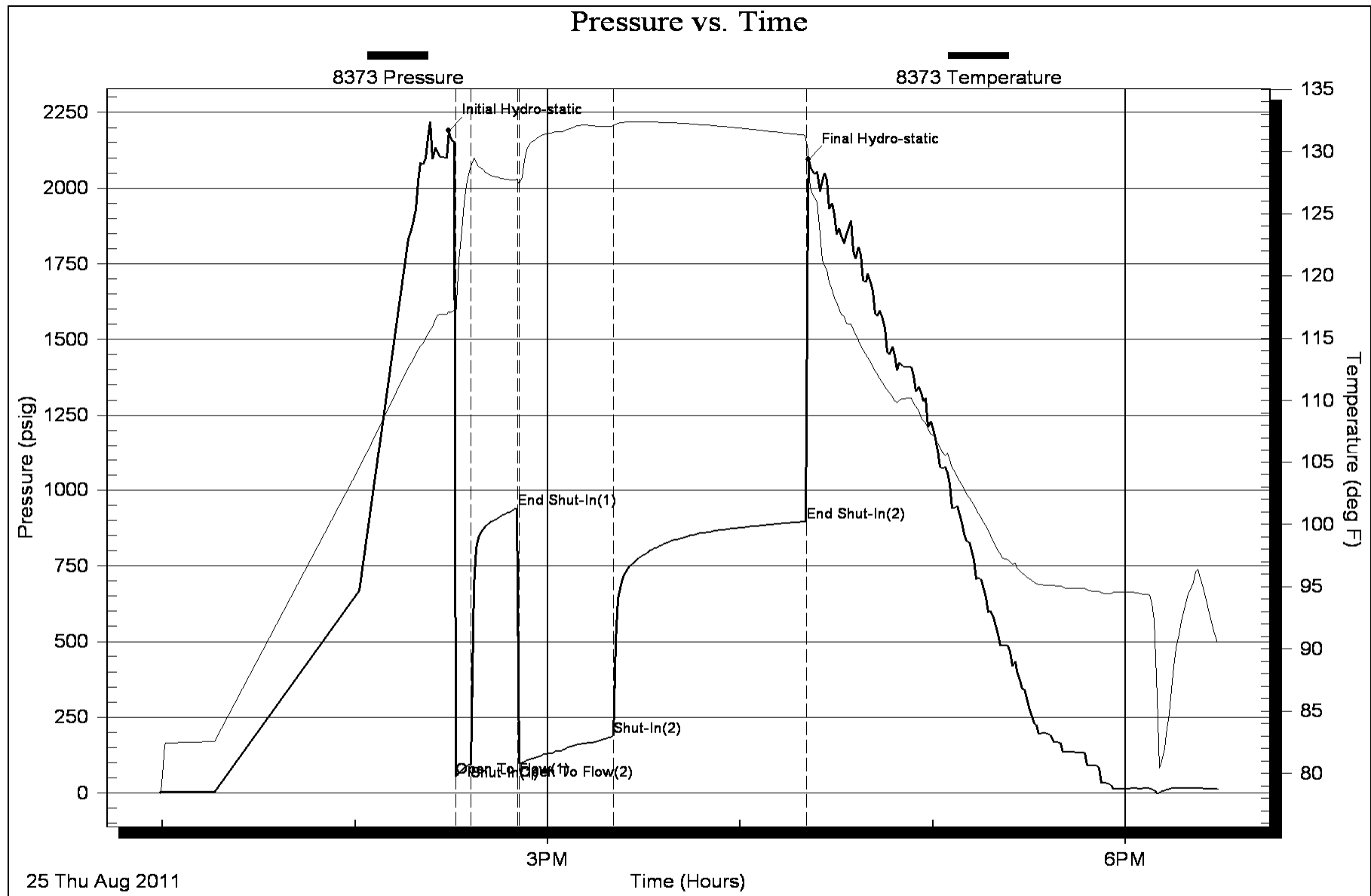
Serial #:

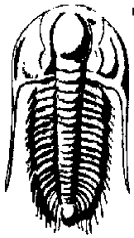
Laboratory Name:

Laboratory Location:

Recovery Comments: 38@100=34

.20@100=23000





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TESTING, INC.

DRILL STEM TEST REPORT

Larson Engineering, INC

562 W State Rd 4
Olmitz KS 67564

ATTN: Vern Schrag

Whiting-Dutoit # 1-29

29-18s-30w Lane Co

Job Ticket: 43685

DST#: 5

Test Start: 2011.08.26 @ 15:36:18

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:56:13

Time Test Ended: 20:51:27

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 4373.00 ft (KB) To 4500.00 ft (KB) (TVD)

Reference Elevations: 2898.00 ft (KB)

Total Depth: 4500.00 ft (KB) (TVD)

2891.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8373 Inside

Press@RunDepth: 41.43 psig @ 4378.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.26

End Date:

2011.08.26

Last Calib.: 2011.08.26

Start Time: 15:36:18

End Time:

20:51:27

Time On Btm: 2011.08.26 @ 17:53:58

Time Off Btm: 2011.08.26 @ 19:03:13

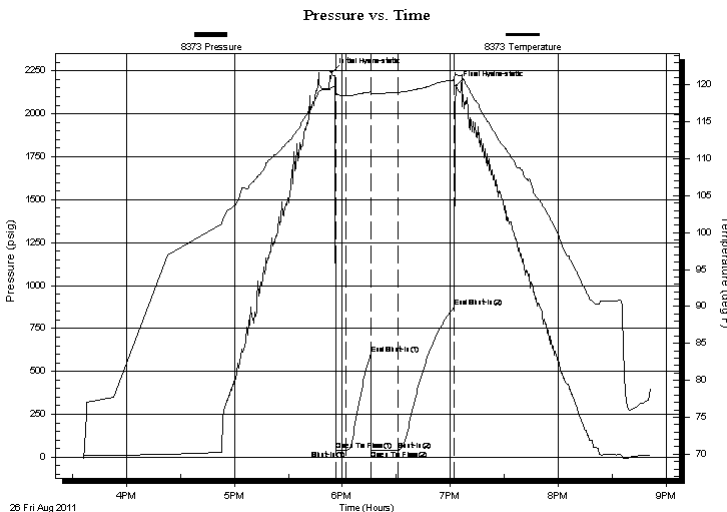
TEST COMMENT: IF: Surface blow died in 5 min.

IS: No return.

FF: No blow.

FS: No return.

PRESSURE SUMMARY



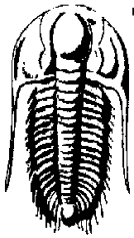
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2241.20	119.68	Initial Hydro-static
3	40.79	118.98	Open To Flow (1)
8	38.58	118.54	Shut-In(1)
22	603.29	119.03	End Shut-In(1)
22	37.74	118.74	Open To Flow (2)
37	41.43	118.97	Shut-In(2)
69	875.69	120.67	End Shut-In(2)
70	2162.27	121.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, INC

Whiting-Dutoit # 1-29

562 W State Rd 4
Olmitz KS 67564

29-18s-30w Lane Co

Job Ticket: 43685

DST#: 5

ATTN: Vern Schrag

Test Start: 2011.08.26 @ 15:36:18

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

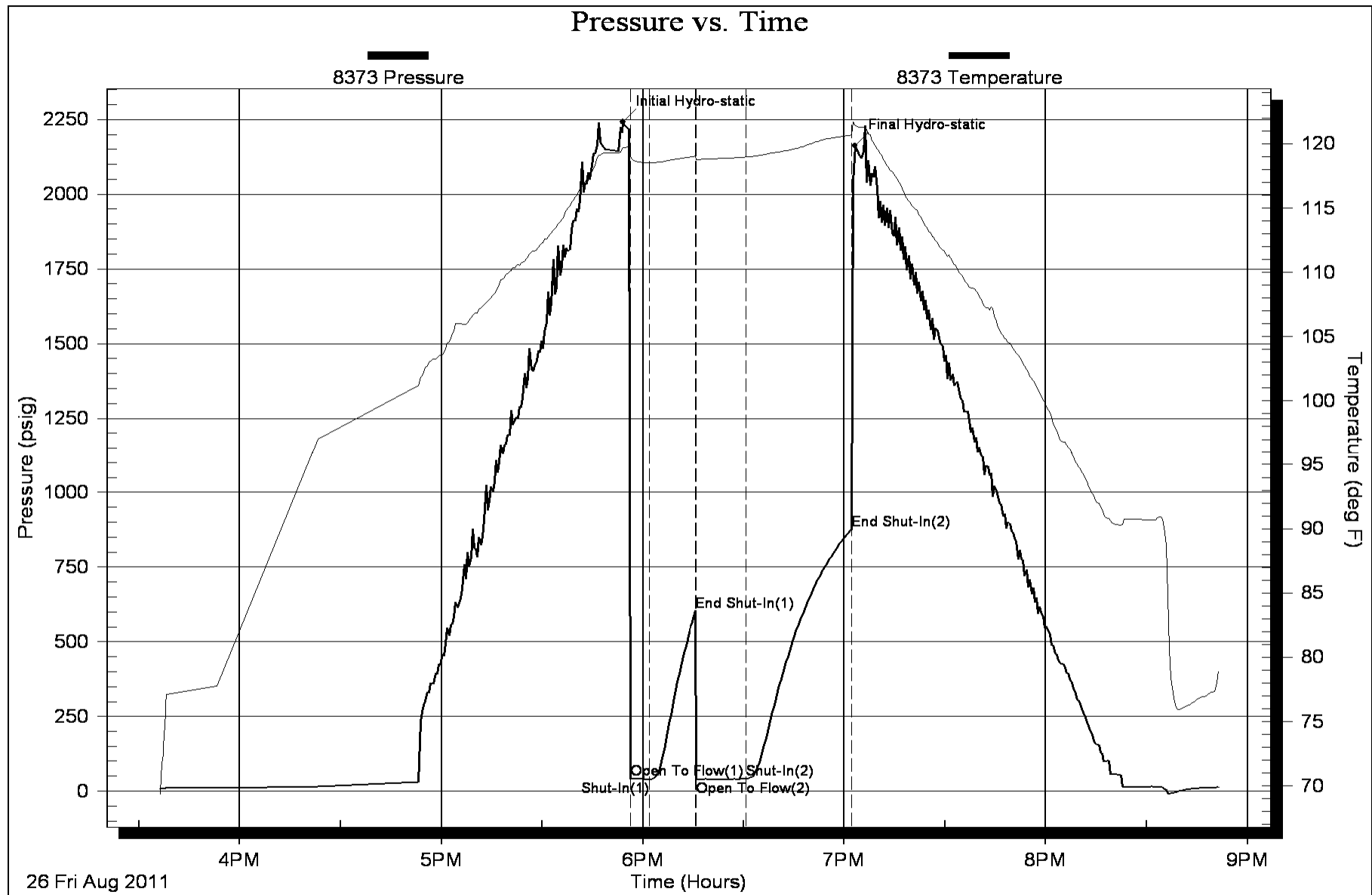
Num Gas Bombs: 0

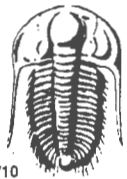
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 43879 16232

Well Name & No. Whiting - Ditoit #1-29 Test No. #1 Date 8-23-11
 Company Larson Engineering, INC Elevation 2898 KB 2891 GL
 Address 562 W State Rd Olinitz KS 67564
 Co. Rep / Geo. Vern Schrag Rig H-D Rig #3
 Location: Sec. 29 Twp. 18 Rge. 30 Co. Lanc State KS

Interval Tested 4190 - 4214 Zone Tested LKC - J
 Anchor Length 24' Drill Pipe Run 4023 Mud Wt. 9.1
 Top Packer Depth 4186 Drill Collars Run 141 Vis 62
 Bottom Packer Depth 4190 Wt. Pipe Run 0 WL 7.2
 Total Depth 4214 Chlorides 1600 ppm System LCM 1 1/2

Blow Description IF - Weak Surface Blow
ISI - No Blow
FI - Surface Blow Built to 3/4"
FST - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>55'</u>	<u>OCM</u>	<u>20</u>	<u>0</u>	<u>80</u>	<u>0</u>
<u>50'</u>	<u>OCM</u>	<u>10</u>	<u>0</u>	<u>90</u>	<u>0</u>
<u>2</u>	<u>0.1</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>

Rec Total 100 BHT 125 Gravity 12.25 API RW 200 @ 75 °F Chlorides N/C ppm
 (A) Initial Hydrostatic 2117 ☒ Test 12.25
 (B) First Initial Flow 38 ☒ Jars 200
 (C) First Final Flow 39 ☒ Safety Joint 75
 (D) Initial Shut-In 887 ☒ Circ Sub N/C
 (E) Second Initial Flow 72 ☐ Hourly Standby
 (F) Second Final Flow 70 ☐ Mileage 36 R/T 50:40
 (G) Final Shut-In 900 ☐ Sampler
 (H) Final Hydrostatic 2035 ☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility

T-On Location 12:34 A.M
 T-Started 1:54 AM
 T-Open 4:14 AM
 T-Pulled 6:09 AM
 T-Out 8:09 AM
 Comments

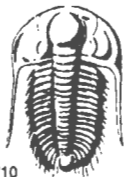
Initial Open 5
 Initial Shut-In 15
 Final Flow 30
 Final Shut-In 60

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total 0
 Total 11600.40
 MP/DST Disc't

Approved By Vern C Schrag Our Representative Will M... (785) 639-...

Trilobite 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.

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 43880

Well Name & No. Whiting - Dutoit #1-29 Test No. #2 Date 8-23-11
 Company Larson Engineering Inc Elevation 2898 KB 2891 GL
 Address 562 W State Rd 4 Olmitz KS 67564
 Co. Rep / Geo. Vern Schrag Rig H-D Rig #3
 Location: Sec. 29 Twp. 18 Rge. 30 Co. Lane State KS

Interval Tested 4217-4248 Zone Tested LKC - R
 Anchor Length 31 Drill Pipe Run 4056 Mud Wt. 9.1
 Top Packer Depth 4213 Drill Collars Run 141 Vis 50
 Bottom Packer Depth 4217 Wt. Pipe Run 0 WL 7.6
 Total Depth 4248 Chlorides 1600 ppm System LCM 1

Blow Description IF - BOB in 2 min
ISI - No Blow
FF - BOB in 2 1/2 min
FSI - No Blow

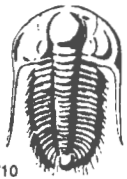
Rec	Feet of	%gas	%oil	%water	%mud
<u>427</u>	<u>OMCW</u>	<u>2</u>	<u>93</u>	<u>5</u>	
<u>200</u>	<u>OMCW</u>	<u>4</u>	<u>66</u>	<u>30</u>	
<u>183'</u>	<u>OMCW</u>	<u>2</u>	<u>58</u>	<u>40</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 810 BHT 131 Gravity 1.225 API RW 10 @ 82° F Chlorides 5000 ppm
 (A) Initial Hydrostatic 2107 ☒ Test 1125' T-On Location 15:35
 (B) First Initial Flow 169 ☒ Jars 550' T-Started 17:08
 (C) First Final Flow 227 ☒ Safety Joint 75' T-Open 19:05
 (D) Initial Shut-In 749 ☒ Circ Sub N/C T-Pulled 20:12
 (E) Second Initial Flow 266 ☐ Hourly Standby T-Out 22 50
 (F) Second Final Flow 405 ☒ Mileage 36 R/T 50.40 Comments
 (G) Final Shut-In 743 ☐ Sampler
 (H) Final Hydrostatic 2055 ☐ Straddle ☐ Ruined Shale Packer
☐ Shale Packer ☐ Ruined Packer
☐ Extra Packer ☐ Extra Copies
☐ Extra Recorder Sub Total 0
☐ Day Standby Total 1600.40
☐ Accessibility MP/DST Disc't

Initial Open 5
 Initial Shut-In 15
 Final Flow 15
 Final Shut-In 30

Approved By Vern Schrag Our Representative Wah Man

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 43881

Well Name & No. Whiting-Dutoit #1-29 Test No. #3 Date 8-24-11
 Company Larson Engineering INC Elevation 2898 KB 2891 GL
 Address 562 W State Rd 4 Olmitz KS 67564
 Co. Rep / Geo. Vern Schrag Rig H-D Rig #3
 Location: Sec. 29 Twp. 18 Rge. 30 Co. Lane State KS

Interval Tested 4267- 4274 Zone Tested Mid Creek
 Anchor Length 7' Drill Pipe Run 4114 Mud Wt. 9.1
 Top Packer Depth 4263 Drill Collars Run 141 Vis 50
 Bottom Packer Depth 4267 Wt. Pipe Run 0 WL 7.6
 Total Depth 4274 Chlorides 1600 ppm System LCM 1 16

Blow Description IF - Weak Surface Blow died in 5 sec
TSI - No Blow
FF - No Blow
FSI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>			<u>100</u>	
	<u>Few oil spots in top 1</u>				

Rec Total 5' BHT 119 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2137</u>	☒ Test <u>1225</u>	T-On Location <u>6:50 A.M</u>
(B) First Initial Flow <u>34</u>	☒ Jars <u>250</u>	T-Started <u>7:52 A.M</u>
(C) First Final Flow <u>31</u>	☒ Safety Joint <u>75</u>	T-Open <u>9:30</u>
(D) Initial Shut-In <u>39</u>	☒ Circ Sub <u>N/C</u>	T-Pulled <u>10:38</u>
(E) Second Initial Flow <u>29</u>	☐ Hourly Standby _____	T-Out <u>12:14</u>
(F) Second Final Flow <u>26</u>	☒ Mileage <u>36 R/T 50.40</u>	Comments _____
(G) Final Shut-In <u>356</u>	☐ Sampler _____	
(H) Final Hydrostatic <u>2044</u>	☐ Straddle _____	

Initial Open 5
 Initial Shut-In 15
 Final Flow 15
 Final Shut-In 30

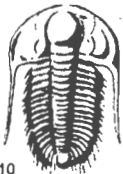
☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
 Sub Total 1600.40

☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
 Sub Total 0
 Total 1600.40
 MP/DST Disc't _____

Approved By Vern Schrag

Our Representative Neil Mac

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 43684

Well Name & No. Whiting - Dutoit 1-29 Test No. 4 Date 8-25-11
 Company L&P Son Engineering Elevation 2898 KB 2888 GL
 Address 562 W State Rd 4 Olmitz, KS 67564
 Co. Rep / Geo. Vern Schrag Rig HD #3
 Location: Sec. 29 Twp. 18S Rge. 30W Co. Line State KS

Interval Tested 4311 4375 Zone Tested Marmaton
 Anchor Length 64 Drill Pipe Run 4152 Mud Wt. 9.2
 Top Packer Depth 4306 Drill Collars Run 141 Vis 56
 Bottom Packer Depth 4311 Wt. Pipe Run — WL 6.8
 Total Depth 4375 Chlorides 2000 ppm System LCM 2

Blow Description IF: 1/4 blow built to 5 in 5 min.
IS: No return.
FF: 1/4 blow BOB in 10 min.
F5: Surface blow built to 1 1/2 in 60 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>96</u>	<u>90</u>	<u>10</u>	<u>90</u>		
<u>150</u>	<u>ocmw</u>		<u>5</u>	<u>55</u>	<u>40</u>
<u>180</u>	<u>mcw</u>		<u>90</u>	<u>10</u>	
<u>120 GIP</u>					

Rec Total 420 BHT 131 Gravity 34 API RW 120 @ 100° F Chlorides 23,000 ppm

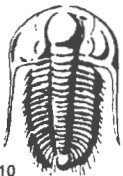
(A) Initial Hydrostatic <u>2189</u>	☒ Test <u>1225</u>	T-On Location <u>12:25</u>
(B) First Initial Flow <u>59</u>	☒ Jars <u>300</u>	T-Started <u>12:59</u>
(C) First Final Flow <u>95</u>	☒ Safety Joint <u>75</u>	T-Open <u>14:31</u>
(D) Initial Shut-In <u>940</u>	☒ Circ Sub <u>N/C</u>	T-Pulled <u>16:21</u>
(E) Second Initial Flow <u>97</u>	☐ Hourly Standby	T-Out <u>18:35</u>
(F) Second Final Flow <u>189</u>	☒ Mileage <u>34- 47.60</u>	Comments
(G) Final Shut-In <u>895</u>	☐ Sampler	
(H) Final Hydrostatic <u>2093</u>	☐ Straddle	

Initial Open 5
 Initial Shut-In 15
 Final Flow 30
 Final Shut-In 60

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total 0
 Total 1847.60
 MP/DST Disc't

Approved By Vern C. Schrag Our Representative [Signature]
 Sub Total 1847.60

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 43685

Well Name & No. Whiting-Dutoit 1-29 Test No. 5 Date 8-25-11
 Company Larson Engineering Elevation 2898 KB 2888 GL
 Address 562 W state Rd 4 Olmitz, KS 67564
 Co. Rep / Geo. Vern Schrag Rig HD #3
 Location: Sec. 29 Twp. 18S Rge. 30W Co. Larson State KS

Interval Tested 4373 4500 Zone Tested Marmaton
 Anchor Length 127 Drill Pipe Run 4210 Mud Wt. 9.2
 Top Packer Depth 4368 Drill Collars Run 141 Vis 56
 Bottom Packer Depth 4373 Wt. Pipe Run — WL 6.8
 Total Depth 4500 Chlorides 2000 ppm System LCM 2

Blow Description IF: Surface blow died in 5 min.
IS: No return.
FK: No blow.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 120 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	<u>2241</u>	☒ Test	<u>1225</u>	T-On Location	<u>14:20</u>
(B) First Initial Flow	<u>40</u>	☒ Jars	<u>250</u>	T-Started	<u>15:36</u>
(C) First Final Flow	<u>38</u>	☒ Safety Joint	<u>75</u>	T-Open	<u>17:56</u>
(D) Initial Shut-In	<u>603</u>	☒ Circ Sub	<u>NIL</u>	T-Pulled	<u>19:01</u>
(E) Second Initial Flow	<u>37</u>	☐ Hourly Standby		T-Out	<u>20:55</u>
(F) Second Final Flow	<u>41</u>	☒ Mileage	<u>34 - 47.60</u>	Comments	
(G) Final Shut-In	<u>875</u>	☐ Sampler			
(H) Final Hydrostatic	<u>2162</u>	☐ Straddle		☐ Ruined Shale Packer	

Initial Open	<u>5</u>	☒ Shale Packer	<u>250</u>	☐ Ruined Packer	
Initial Shut-In	<u>15</u>	☐ Extra Packer		☐ Extra Copies	
Final Flow	<u>15</u>	☐ Extra Recorder		Sub Total	<u>0</u>
Final Shut-In	<u>30</u>	☐ Day Standby		Total	<u>1847.60</u>
		☐ Accessibility		MP/DST Disc't	
		Sub Total	<u>1847.60</u>		

Approved By Jerome Schrag

Our Representative [Signature]

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