



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lario

Marshall A #31

301 S. Market St.
Wichita, Ks
67202

ATTN: Tim Lauer

KCC

NOV 17 2010

31-11-17/Ellis

Job Ticket: 39541

DST#: 4

Test Start: 2010.08.10 @ 03:29:42

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: **05:42:42**

Time Test Ended: **09:04:12**

Test Type: **Conventional Bottom Hole**

Tester: **Dustin Rash**

Unit No: **41**

Interval: **3608.00 ft (KB) To 3618.00 ft (KB) (TVD)**

Total Depth: **3618.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **2113.00 ft (KB)**

2108.00 ft (CF)

KB to GRVCF: **5.00 ft**

Serial #: **8647**

Inside

Press@RunDepth: **144.39 psig @ 3615.00 ft (KB)**

Start Date: **2010.08.10**

End Date:

2010.08.10

Capacity: **8000.00 psig**

Last Calib.: **2010.08.10**

Start Time: **03:29:47**

End Time:

09:04:11

Time On Btm: **2010.08.10 @ 05:42:12**

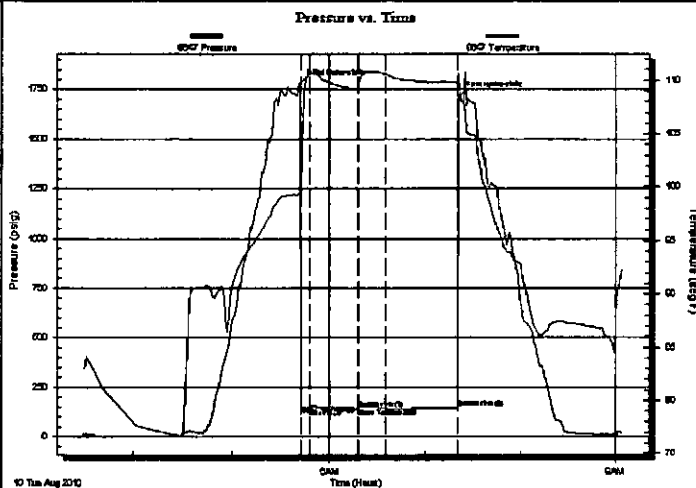
Time Off Btm: **2010.08.10 @ 07:21:42**

TEST COMMENT: IF-Strong building blow . BOB in 2 minutes.

ISI-No Return.

FF-Steady building blow . Built to 8 inches.

FSI-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1778.87	99.40	Initial Hydro-static
1	116.31	98.96	Open To Flow (1)
6	143.82	110.59	Shut-In(1)
36	140.08	109.16	End Shut-In(1)
36	142.49	109.52	Open To Flow (2)
53	144.39	110.60	Shut-In(2)
99	143.74	109.77	End Shut-In(2)
100	1717.44	109.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	95%Water/5%Mud	1.15
120.00	90%Water/10%Mud	1.68
40.00	75%Water/25%Mud	0.56

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
301 S. Market St.
Wichita, Ks
67202
ATTN: Tim Lauer

Marshall A #31
31-11-17/Ellis
Job Ticket: 39541 **DST#: 4**
Test Start: 2010.08.10 @ 03:29:42

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.60 in³
Resistivity: ohm.m
Salinity: 6000.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil Apt: deg API
Water Salinity: 23000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	95%Water/5%Mud	1.146
120.00	90%Water/10%Mud	1.683
40.00	75%Water/25%Mud	0.561

Total Length: 280.00 ft Total Volume: 3.390 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

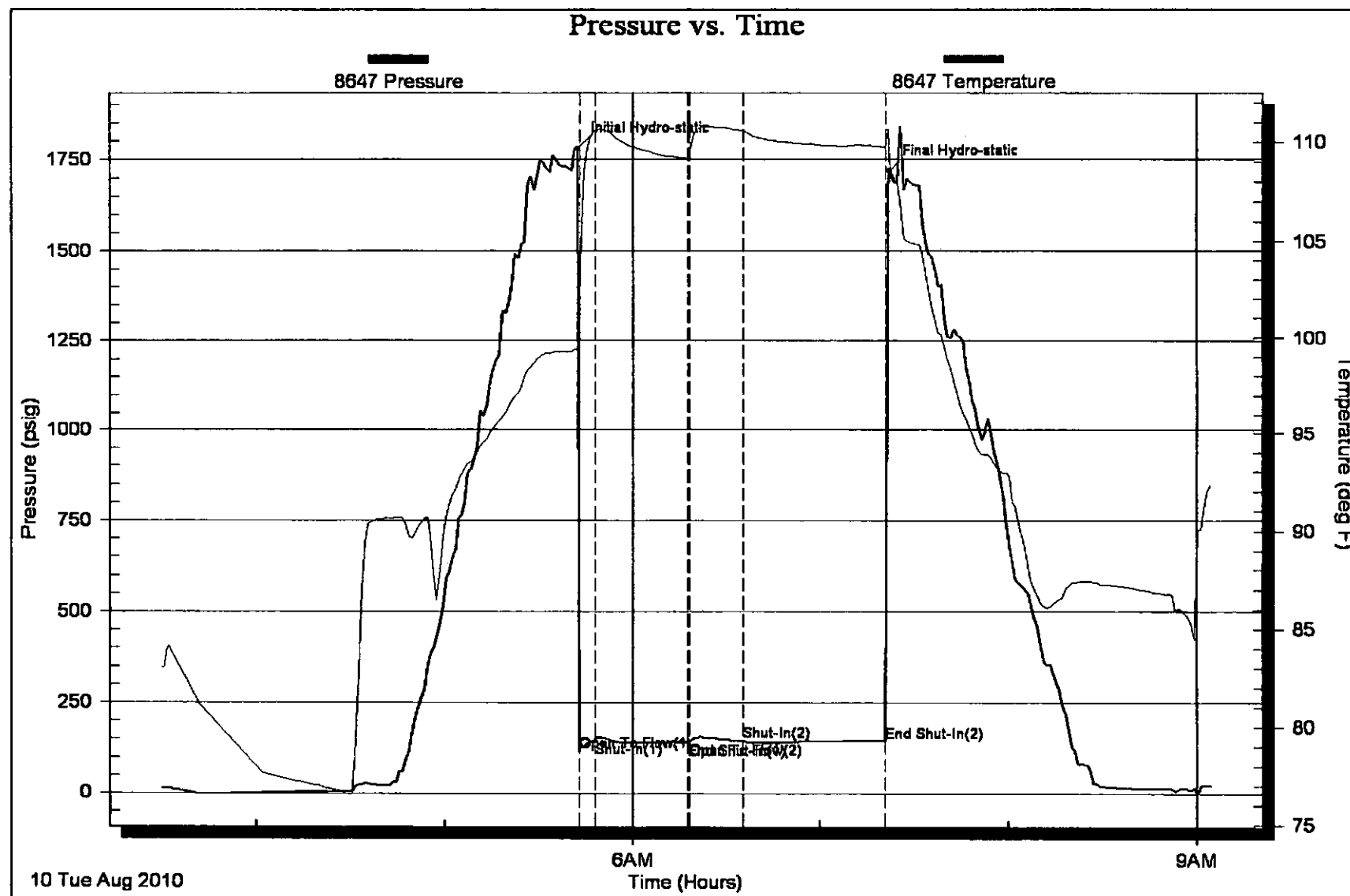
Recovery Comments:

Serial #: 8647

Inside Lario

31-11-17/Ellis

DST Test Number: 4



Trilobite Testing, Inc

KCC WICHITA

NOV 17 2010

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Ref. No: 39541

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario
301 S. Market St.
Wichita, Ks
67202
ATTN: Tim Lauer

Marshall A #31
31-11-17/Ellis
Job Ticket: 39540 **DST#: 3**
Test Start: 2010.08.09 @ 16:01:45

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 17:47:15
Time Test Ended: 22:42:15

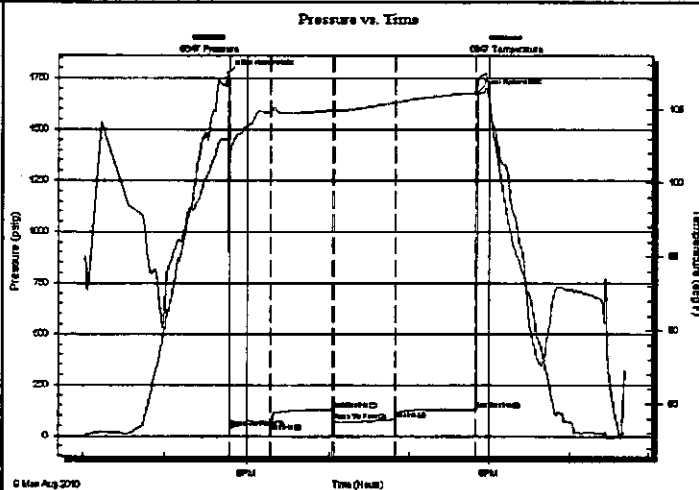
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NOV 17 2010
CONFIDENTIAL

Test Type: **Conventional Bottom Hole**
Tester: **Dustin Rash**
Unit No: **41**
Reference Elevations: **2113.00 ft (KB)**
2108.00 ft (CF)
KB to GR/CF: **5.00 ft**

Interval: **3571.00 ft (KB) To 3608.00 ft (KB) (TVD)**
Total Depth: **3608.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Serial #: **8647** Inside
Press@RunDepth: **81.47 psig @ 3580.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.08.09** End Date: **2010.08.09** Last Calib.: **2010.08.09**
Start Time: **16:01:50** End Time: **22:42:14** Time On Btm: **2010.08.09 @ 17:45:45**
Time Off Btm: **2010.08.09 @ 20:51:15**

TEST COMMENT: IF-Steady building blow. Built to 8 inches.
ISI-No Return.
FF-Steady building blow after 4 minutes. Built to 7 inches.
FSI-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1774.17	102.97	Initial Hydro-static
2	41.52	102.02	Open To Flow (1)
31	61.46	104.78	Shut-In(1)
77	127.99	104.90	End Shut-In(1)
78	73.82	104.89	Open To Flow (2)
124	81.47	105.41	Shut-In(2)
184	129.13	106.10	End Shut-In(2)
186	1679.28	106.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	50%Mud/40%Oil/10%Gas	0.15
30.00	70%Oil/20%Mud/10%Gas	0.16
60.00	50%Oil/40%Mud/10%Gas	0.84
40.00	75%Oil/25%Gas	0.56

Gas Rates

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

Lario
301 S. Market St.
Wichita, Ks
67202
ATTN: Tim Lauer

Marshall A #31
31-11-17/ELLIS
Job Ticket: 39540 **DST#: 3**
Test Start: 2010.08.09 @ 16:01:45

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.60 in³
Resistivity: ohm.m
Salinity: 6000.00 ppm
Filter Cake: inches

Cushion Type: Oil API: 33 deg API
Cushion Length: ft Water Salinity: ppm
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	50%Mud/40%Oil/10%Gas	0.148
30.00	70%Oil/20%Mud/10%Gas	0.157
60.00	50%Oil/40%Mud/10%Gas	0.842
40.00	75%Oil/25%Gas	0.561

Total Length: 160.00 ft Total Volume: 1.708 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

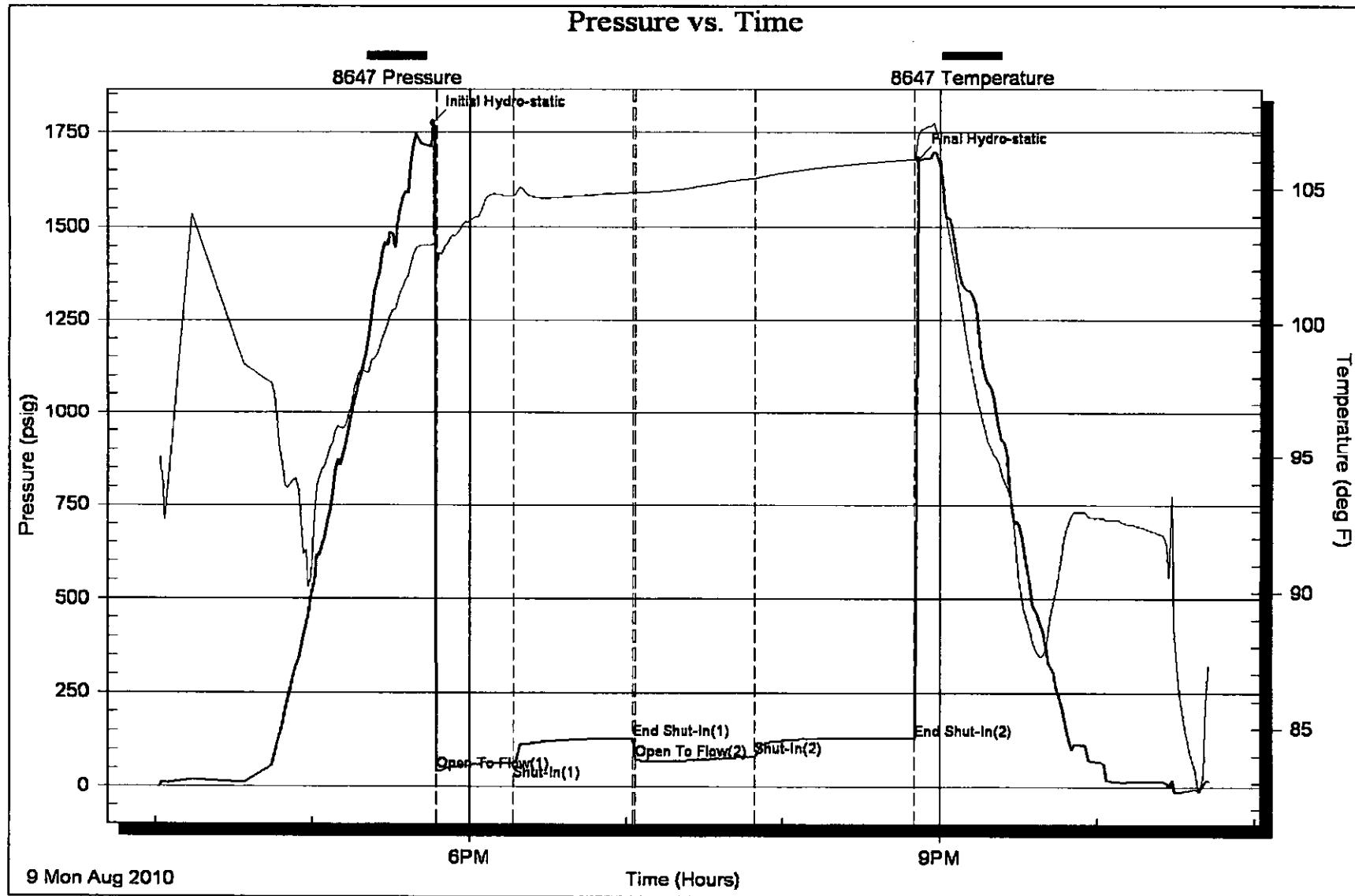
Recovery Comments:

Serial #: 8647

Inside Lario

31-11-17/Elis

DST Test Number: 3

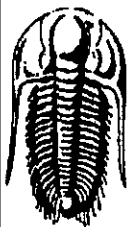


Trilobite Testing, Inc.

Ref. No: 39540

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**TRILOBITE
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DRILL STEM TEST REPORT

Lario

301 S. Market St.
Wichita, Ks
67202
ATTN: Tim Lauer

Marshall A #31

31-11-17/Ellis

Job Ticket: 39539

DST#: 2

Test Start: 2010.08.09 @ 00:40:29

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NOV 17 2010

CONFIDENTIAL

GENERAL INFORMATION:

Formation: **Lansing H-K**

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

Time Tool Opened: **02:01:59**

Time Test Ended: **06:57:59**

Test Type: **Conventional Bottom Hole**

Tester: **Dustin Rash**

Unit No: **41**

Interval: **3439.00 ft (KB) To 3540.00 ft (KB) (TVD)**

Total Depth: **3540.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **2113.00 ft (KB)**

2108.00 ft (CF)

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

Serial #: 8371

Outside

Press@RunDepth: **57.52 psig @ 3448.00 ft (KB)**

Start Date: **2010.08.09**

End Date:

2010.08.09

Capacity: **8000.00 psig**

Last Calib.: **2010.08.09**

Start Time: **00:40:34**

End Time:

06:57:58

Time On Btm: **2010.08.09 @ 01:58:59**

Time Off Btm: **2010.08.09 @ 05:18:29**

TEST COMMENT: IF-Steady surface blow.

ISI-No Return.

FF-No Blow.

FSI-No Return.

PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1757.76	104.46	Initial Hydro-static
3	50.83	103.99	Open To Flow (1)
35	55.34	104.13	Shut-In(1)
98	94.12	104.87	End Shut-In(1)
99	54.57	104.85	Open To Flow (2)
135	57.52	105.22	Shut-In(2)
198	87.05	105.78	End Shut-In(2)
200	1683.89	106.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%Mud	0.05

Gas Rates

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

FLUID SUMMARY

Lario

Marshall A #31

301 S. Market St.

31-11-17/Ellis

Wichita, Ks

Job Ticket: 39539

DST#: 2

67202

ATTN: Tim Lauer

Test Start: 2010.08.09 @ 00:40:29

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: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100%Mud	0.049

Total Length:

10.00 ft

Total Volume:

0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

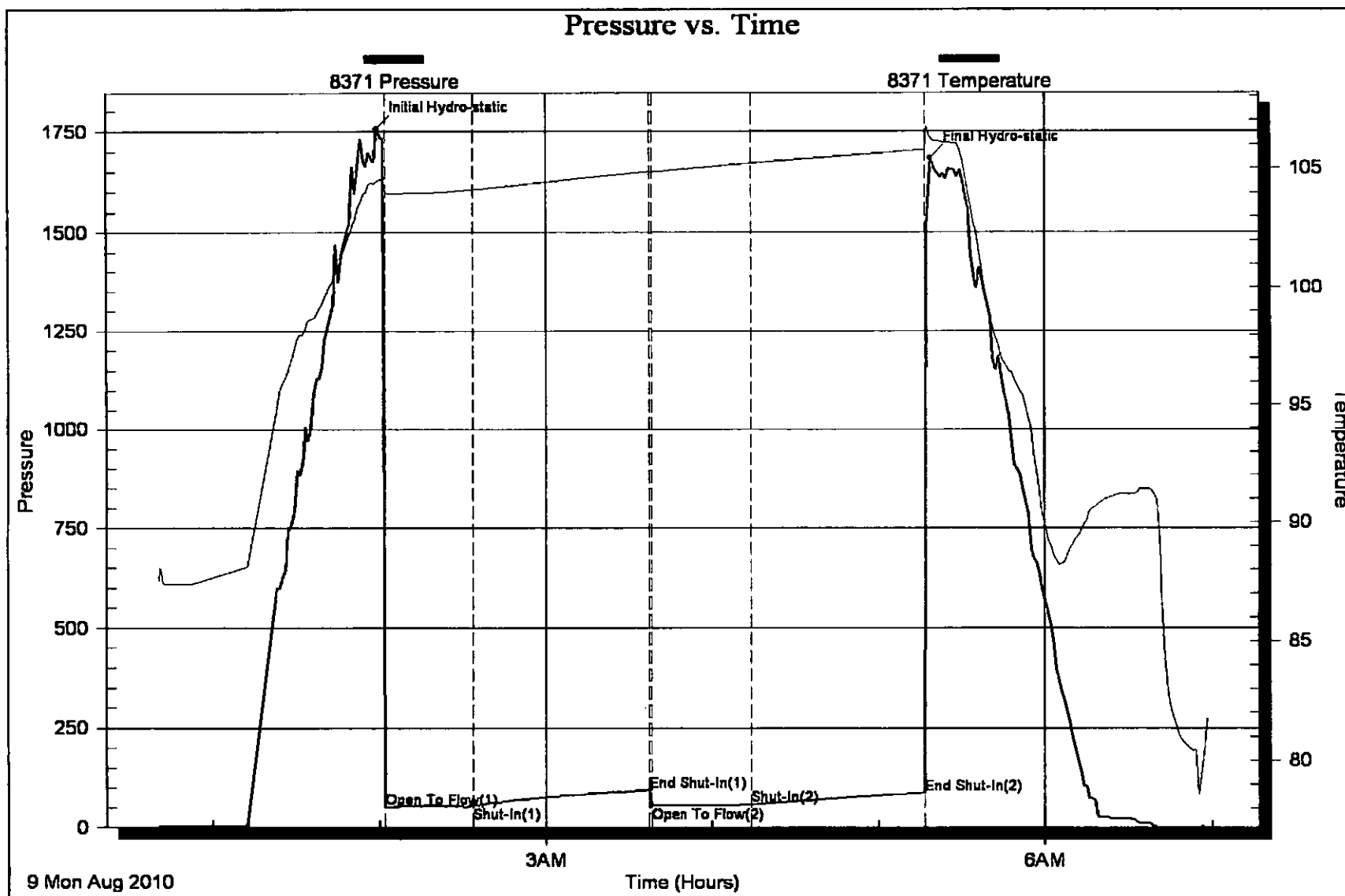
Recovery Comments:

Serial #: 8371

Outside Lario

31-11-17/Ellis

DST Test Number: 2

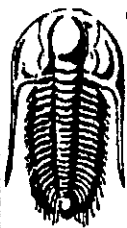


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DRILL STEM TEST REPORT

Lario
301 S. Market St.
Wichita, Ks
67202
ATTN: Tim Lauer

Marshall A #31

31-11-17/Ellis

Job Ticket: 39538

DST#: 1

Test Start: 2010.08.07 @ 23:53:31

KCC
NOV 17 2010
CONFIDENTIAL

GENERAL INFORMATION:

Formation: *LKC Toronto*
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:37:26
Time Test Ended: 05:09:55

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41

Interval: 3272.00 ft (KB) To 3310.00 ft (KB) (TVD)
Total Depth: 3310.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

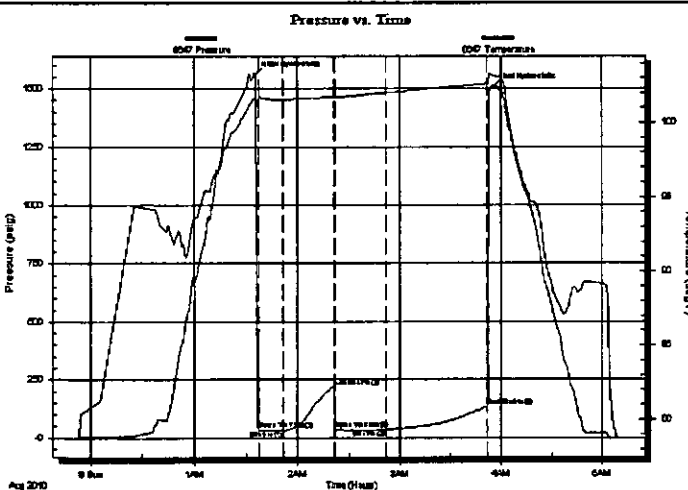
Reference Elevations: 2113.00 ft (KB)
2108.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8647 Inside

Press@RunDepth: 34.69 psig @ 3275.00 ft (KB)
Start Date: 2010.08.07 End Date: 2010.08.08
Start Time: 23:53:31 End Time: 05:09:55

Capacity: 8000.00 psig
Last Calib.: 2010.08.08
Time On Btm: 2010.08.08 @ 01:35:26
Time Off Btm: 2010.08.08 @ 03:54:56

TEST COMMENT: IFP - stg sur blow throughout
ISI - no blow back
FFP - no blow
FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1558.39	101.58	Initial Hydro-static
2	34.19	101.74	Open To Flow (1)
16	30.10	101.55	Shut-In(1)
46	217.77	101.76	End Shut-In(1)
46	36.14	101.70	Open To Flow (2)
77	34.69	102.02	Shut-In(2)
136	131.70	102.60	End Shut-In(2)
140	1505.60	103.15	Final Hydro-static

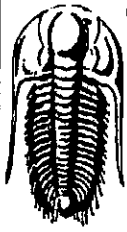
Recovery

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

Gas Rates

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

FLUID SUMMARY

Lario

Marshall A #31

301 S. Market St.
Wichita, Ks
67202

31-11-17/Ellis

Job Ticket: 39538

DST#: 1

ATTN: Tim Lauer

Test Start: 2010.08.07 @ 23:53:31

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%	0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

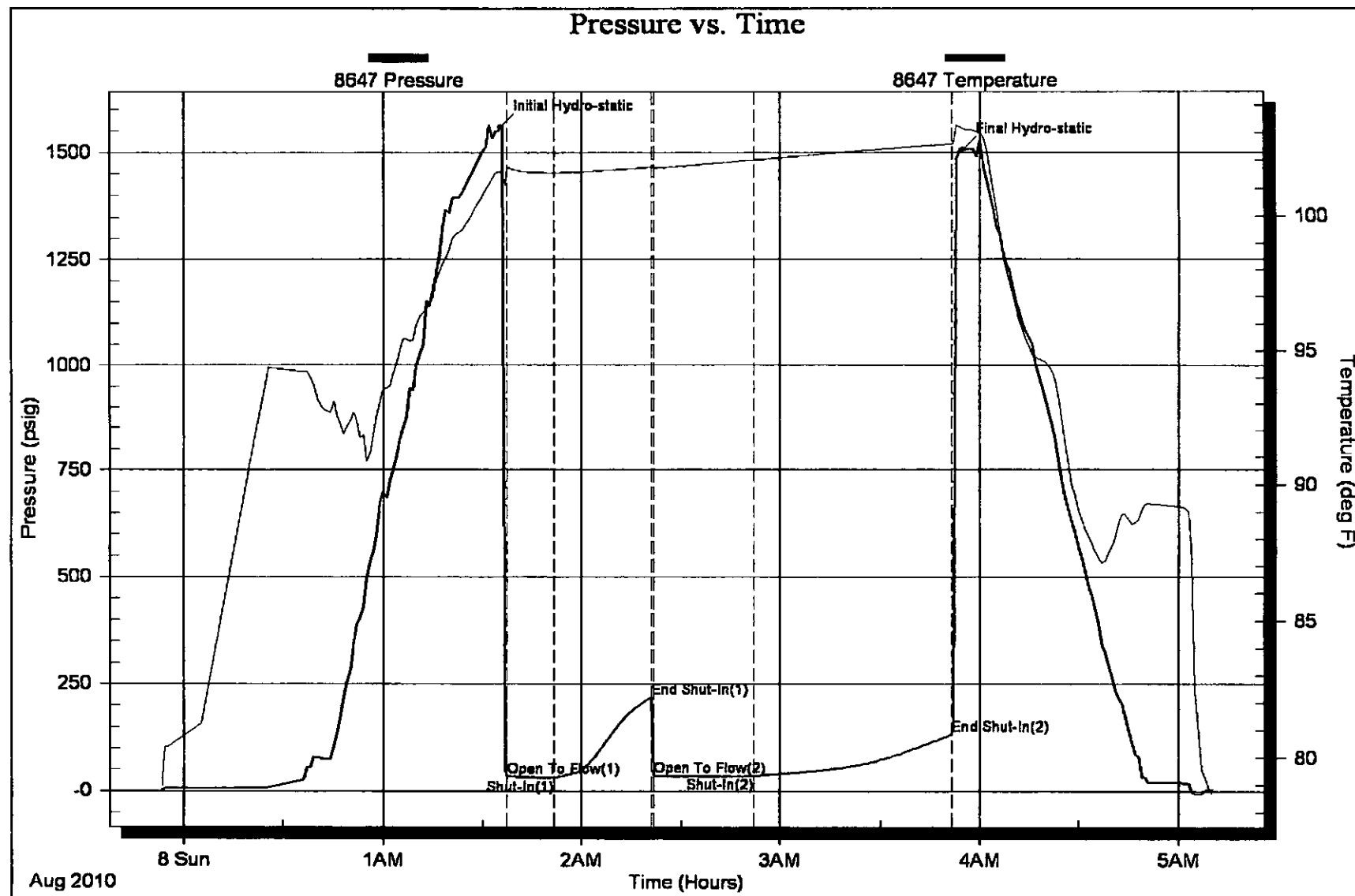
Recovery Comments:

Serial #: 8647

Inside Lario

31-11-17/Ellis

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 39538

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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AUG 16 2010

Test Ticket

NO. 039538/4638

Well Name & No. Marshall A #31 BY: _____ Test No. 1 Date 8-7-10
 Company Larso Elevation 2113 KB 2108 GL _____
 Address 301 S. Market St. Wichita K 67202
 Co. Rep / Geo. Tim Lander Rig Murfin 16
 Location: Sec. 31 Twp. 11 Rge. 17 Co. Ellis State K

Interval Tested 3272-3310 Zone Tested _____
 Anchor Length 38 Drill Pipe Run 3201 Mud Wt. 8-8
 Top Packer Depth 3267 Drill Collars Run 59 Vis 49
 Bottom Packer Depth 3272 Wt. Pipe Run _____ WL C-8
 Total Depth 3310 Chlorides 3800 ppm System LCM _____

Blow Description IFP- sty sur blow throughout
ISI- no blow back
FT-P- no blow
FSI- no blow back

Rec <u>5</u>	Feet of <u>mud</u>	%gas	%oil	%water <u>100</u>	%mud
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 103 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1558
 (B) First Initial Flow 34
 (C) First Final Flow 30
 (D) Initial Shut-In 218
 (E) Second Initial Flow 36
 (F) Second Final Flow 35
 (G) Final Shut-In 132
 (H) Final Hydrostatic 1506

☒ Test 1125-
☐ Jars _____
☒ Safety Joint 75-
☐ Circ Sub _____
☐ Hourly Standby _____
☒ Mileage 60 Rt 75-
☐ Sampler _____
☐ Straddle _____
☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
 Sub Total 1275-

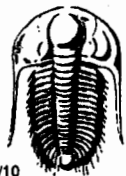
T-On Location 2153
 T-Started 2353
 T-Open 0137
 T-Pulled 0352
 T-Out 0511
 Comments _____
☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
 Sub Total 0
 Total 1275-
 MP/DST Disc't _____

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

Approved By _____

Our Representative Brian Farbak

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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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AUG 12 2010

Test Ticket

NO. 039539

Well Name & No. Marshall A#31 Test No. 2 Date 8-9-10
 Company Lauco Elevation 2113 KB 2108 GL
 Address 301 S. Market St. Wichita, KS 67202
 Co. Rep / Geo. Tim Lauer Rig Murphy 16
 Location: Sec. 31 Twp. 11 Rge. 17 Co. Ellis State KS

Interval Tested 3439-3540 Zone Tested Langing H-K
 Anchor Length 101' Drill Pipe Run 3364 Mud Wt. 9.1
 Top Packer Depth 3434 Drill Collars Run 59 Vis 48
 Bottom Packer Depth 3439 Wt. Pipe Run 0 WL 7.6
 Total Depth 3540 Chlorides 5400 ppm System LCM 2#

Blow Description FF - Steddy Surface blow.
ISI - No Return,
FF - No blow,
FBI - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</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 Total 10 BHT 106 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 1758 ☒ Test 1125 T-On Location 2400
 (B) First Initial Flow 51 ☐ Jars _____ T-Started 2440
 (C) First Final Flow 55 ☒ Safety Joint 75 T-Open 0205
 (D) Initial Shut-In 94 ☒ Circ Sub NIC T-Pulled 0513
 (E) Second Initial Flow 55 ☐ Hourly Standby _____ T-Out 0700
 (F) Second Final Flow 58 ☒ Mileage 60 RT 75 Comments _____
 (G) Final Shut-In 87 ☐ Sampler _____
 (H) Final Hydrostatic 1684 ☐ Straddle _____
☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____

Initial Open 30 ☐ Ruined Shale Packer _____
 Initial Shut-In 60 ☐ Ruined Packer _____
 Final Flow 30 ☐ Extra Copies _____
 Final Shut-In 60 Sub Total 0
 Total 1275
 MP/DST Disc't _____

Approved By Tim J. Lauer Sub Total 1275 Our Representative D. Rask

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.



**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
AUG 12 2010

Test Ticket

NO. 039540

Well Name & No. Marshall A#31 BY: _____ Test No. 3 Date 8-9-10
Company Lario Elevation 2113 KB 2108 GL _____
Address 301 S. Market St. Wichita, KS 67202
Co. Rep / Geo. Tom Lauer Rig Murphy 16
Location: Sec. 31 Twp. 11 Rge. 17 Co. Ellis State KS

Interval Tested 3571-3608 Zone Tested Ambuckle
Anchor Length 37 Drill Pipe Run 3518 Mud Wt. 9.1
Top Packer Depth 3566 Drill Collars Run 59 Vis 50
Bottom Packer Depth 3571 Wt. Pipe Run 0 WL 7.6
Total Depth 3608 Chlorides 6000 ppm System LCM 4.0#
Blow Description IF - Steady building blow. Built to 8 inches.
ISI - No Return
FF - Steady building blow after 4 minutes. Built to 7 inches.
FBI - No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>Oil / Gas</u>	<u>25</u>	<u>75</u>		
<u>60</u>	<u>Oil / Mud / Gas</u>	<u>10</u>	<u>50</u>	<u>40</u>	
<u>30</u>	<u>Oil / Mud / Gas</u>	<u>10</u>	<u>70</u>	<u>20</u>	
<u>30</u>	<u>Mud / Oil / Gas</u>	<u>10</u>	<u>40</u>	<u>50</u>	

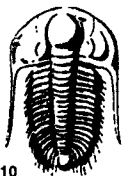
Rec Total 160 BHT 106 Gravity 33 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1774 ☒ Test 1125 T-On Location 1545
(B) First Initial Flow 42 ☐ Jars _____ T-Started 1610
(C) First Final Flow 61 ☒ Safety Joint 75 T-Open 1752
(D) Initial Shut-In 128 ☒ Circ Sub NIC T-Pulled 2055
(E) Second Initial Flow 74 ☐ Hourly Standby _____ T-Out 2245
(F) Second Final Flow 81 ☒ Mileage 60 RT 75 Comments _____
(G) Final Shut-In 129 ☐ Sampler _____
(H) Final Hydrostatic 1679 ☐ Straddle _____ ☐ Ruined Shale Packer _____
☐ Shale Packer _____ ☐ Ruined Packer _____
☐ Extra Packer _____ ☐ Extra Copies _____
☐ Extra Recorder _____ Sub Total 0
☐ Day Standby _____ Total 1275
☐ Accessibility _____ MP/DST Disc't _____

Initial Open 30
Initial Shut-In 45
Final Flow 45
Final Shut-In 60

Approved By [Signature] Sub Total 1275 Our Representative [Signature]

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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
AUG 12 2010

Test Ticket

NO. 039541

Well Name & No. Marshall A#31 BY: _____ Test No. 4 Date 8-10-10
Company Lario Elevation 2113 KB 2108 GL _____
Address 301 S. Marker St. Wichita, KS 67202
Co. Rep / Geo. Tim Lauer Rig Martin 16
Location: Sec. 31 Twp. 11 Rge. 17 Co. Ellis State KS

Interval Tested 3608-3618 Zone Tested Arbuckle
Anchor Length 10' Drill Pipe Run 3547 Mud Wt. 9.1
Top Packer Depth 3603 Drill Collars Run 59 Vis 50
Bottom Packer Depth 3608 Wt. Pipe Run 0 WL 7.6
Total Depth 3618 Chlorides 6000 ppm System LCM 4.0#

Blow Description FF - Strong building blow. BOB in 2 min.
FF - No Return.
FF - Strong building blow. Built to 8 inches.
FF - No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>Water / Mud</u>		<u>75</u>	<u>25</u>	
<u>120</u>	<u>Water / Mud</u>		<u>90</u>	<u>10</u>	
<u>120</u>	<u>S Water / Mud</u>		<u>25</u>	<u>5</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 280 BHT 110 Gravity _____ API RW 0.261 @ 78 °F Chlorides 23,000 ppm
(A) Initial Hydrostatic 1779 ☒ Test 1125 T-On Location 0315
(B) First Initial Flow 116 ☐ Jars _____ T-Started 03
(C) First Final Flow 144 ☒ Safety Joint 75 T-Open 0548
(D) Initial Shut-In 140 ☒ Circ Sub NIC T-Pulled 0725
(E) Second Initial Flow 142 ☐ Hourly Standby _____ T-Out 0900
(F) Second Final Flow 144 ☒ Mileage 60 RT 75 Comments _____
(G) Final Shut-In 144 ☐ Sampler _____
(H) Final Hydrostatic 1839 ☐ Straddle _____
☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____

Initial Open 5
Initial Shut-In 30
Final Flow 15
Final Shut-In 45
Sub Total 1275
MP/DST Disc't _____

Approved By Tim J. Lauer Our Representative D. Rask

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