

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co

301 S Market St
Wichita Ks 67202

ATTN: John Hastings

Marshall A # 30

36-11-18-Ellis-Ks

Job Ticket: 039908

DST#: 1

Test Start: 2010.07.30 @ 18:45:06

GENERAL INFORMATION:

Formation: **B LKC**

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

Time Tool Opened: 20:38:51

Time Test Ended: 01:20:06

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3210.00 ft (KB) To 3265.00 ft (KB) (TVD)**

Total Depth: **3265.00 ft (KB) (TVD)**

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

Reference Elevations: **2007.00 ft (KB)**

2002.00 ft (CF)

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

Serial #: 8354 Inside

Press@RunDepth: **96.48 psig @ 3213.00 ft (KB)**

Start Date: **2010.07.30**

End Date:

2010.07.31

Start Time: **18:45:07**

End Time:

01:20:06

Capacity: **8000.00 psig**

Last Calib.: **2010.07.31**

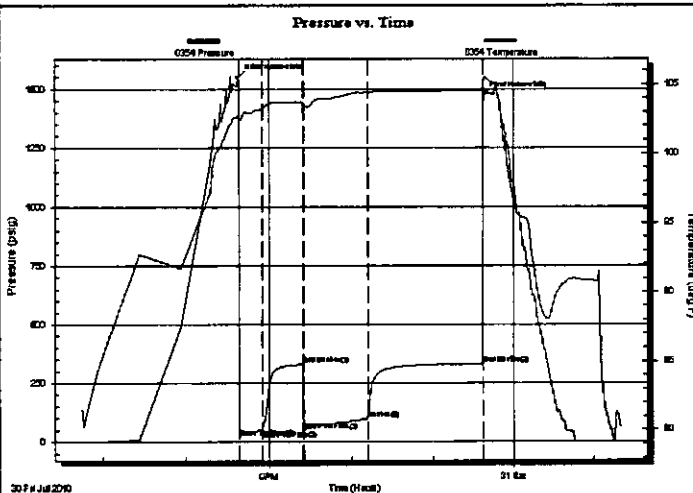
Time On Btm: **2010.07.30 @ 20:37:36**

Time Off Btm: **2010.07.30 @ 23:37:51**

TEST COMMENT: IF-Strong B-B in 6 min
ISI-Weak surface blow
FF-Strong B-B in 5 min
FSI-Weak building to 1/2"

KCC

NOV 17 2010



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1548.42	102.63	Initial Hydro-static
2	22.76	102.36	Open To Flow (1)
18	49.88	103.18	Open To Flow (2)
47	330.47	103.71	End Shut-In(1)
48	50.49	103.58	Open To Flow (3)
94	96.48	104.45	Shut-In(1)
180	332.71	104.58	End Shut-In(2)
181	1472.45	105.14	Final Hydro-static

CONFIDENTIAL

Recovery

Length (ft)	Description	Volume (bbl)
110.00	MCGsyO 20%g 50%o 30%m	1.27
120.00	MCGsyO 30%g 50%o 20%m	1.68
0.00	680 GIP	0.00

Gas Rates

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

RECEIVED

NOV 18 2010

KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall A # 30

301 S Market St
Wichita Ks 67202

36-11-18-Ellis-Ks

Job Ticket: 039908

DST#: 1

ATTN: John Hastings

Test Start: 2010.07.30 @ 18:45:06

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	MOGsyO 20%g 50%o 30%m	1.270
120.00	MOGsyO 30%g 50%o 20%m	1.683
0.00	680 GP	0.000

Total Length: 230.00 ft

Total Volume: 2.953 bbl

Num Fluid Samples: 0

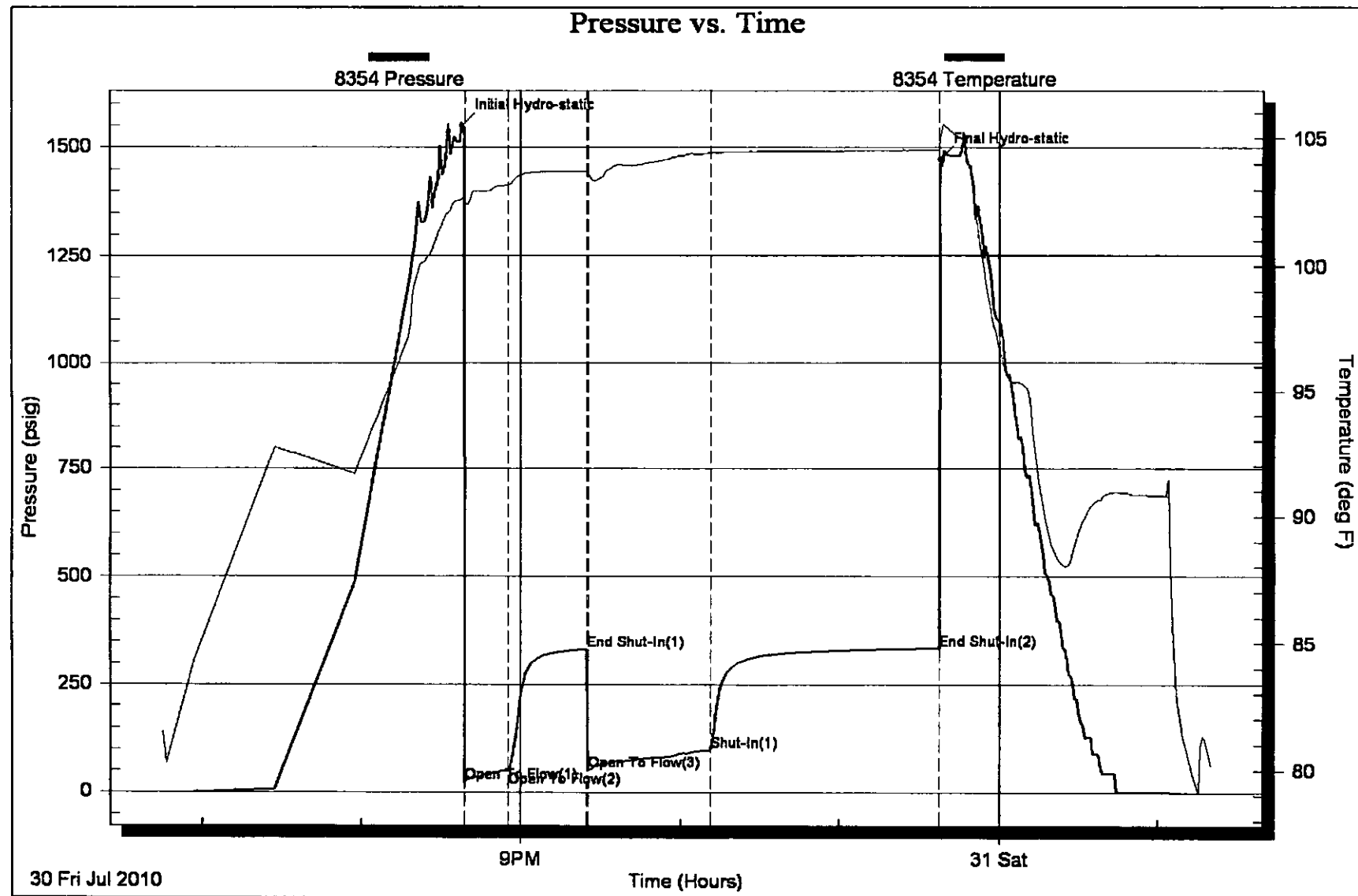
Num Gas Bombs: 0

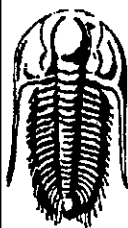
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co

301 S Market St
Wichita Ks 67202

ATTN: John Hastings

Marshall A # 30

36-11-18-Ellis-Ks

Job Ticket: 039909

DST#: 2

Test Start: 2010.07.31 @ 09:08:52

GENERAL INFORMATION:

Formation: F-G LKC

Deviated: No Whipstock ft (KB)

Time Tool Opened: 10:43:52

Time Test Ended: 15:21:22

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: 3268.00 ft (KB) To 3340.00 ft (KB) (TVD)

Total Depth: 3340.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2007.00 ft (KB)

2002.00 ft (CF)

KB to GRVCF: 5.00 ft

Serial #: 8354 Inside

Press@RunDepth: 165.51 psig @ 3273.00 ft (KB)

Start Date: 2010.07.31

End Date:

2010.07.31

Start Time: 09:08:53

End Time:

15:21:22

Capacity: 8000.00 psig

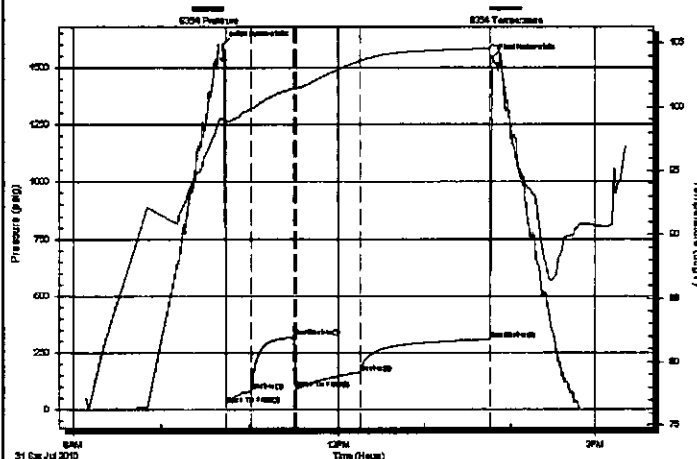
Last Calib.: 2010.07.31

Time On Btm: 2010.07.31 @ 10:42:22

Time Off Btm: 2010.07.31 @ 13:47:37

TEST COMMENT: IF-Strong B-B in 6 min
ISI-Weak steady surface blow
FF-Strong B-B in 8 min
FSI-Weak building to 1/2"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1599.43	99.10	Initial Hydro-static
2	27.46	98.80	Open To Flow (1)
19	84.95	99.84	Shut-In(1)
48	319.04	101.48	End Shut-In(1)
49	90.79	101.47	Open To Flow (2)
93	165.51	103.61	Shut-In(2)
184	308.48	104.59	End Shut-In(2)
186	1542.58	104.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	SillyO&GCMDyW 5%g 3%o 72%w 20% m2.32.13 @	
120.00	OCGsyM 10%g 10%o 80%m	1.68
40.00	OCGsyO	0.56
0.00	320 GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall A # 30

301 S Market St
Wichita Ks 67202

36-11-18-Ellis-Ks

Job Ticket: 039909

DST#: 2

ATTN: John Hastings

Test Start: 2010.07.31 @ 09:08:52

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.19 in³

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
185.00	SillyO&GCMdyW 5%g 3%o 72%w 20%m Rw	2.322
120.00	OOGsyM 10%g 10%o 80%m	1.683
40.00	OOGsyO	0.561
0.00	320 GIP	0.000

Total Length: 345.00 ft

Total Volume: 4.566 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

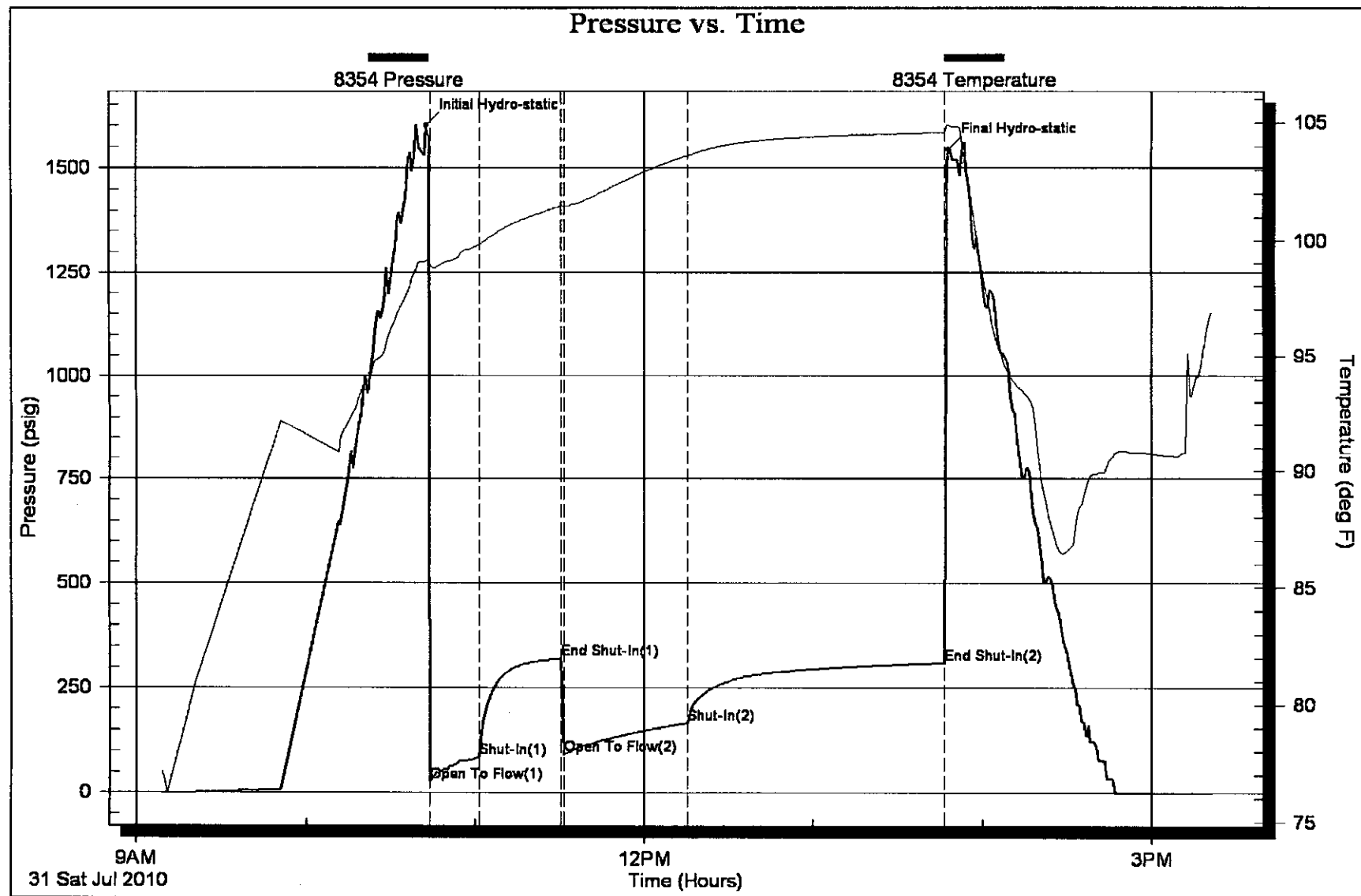
Serial #: 8354

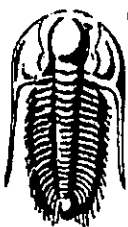
Inside

Lario Oil & Gas Co

36-11-18-Elis-Ks

DST Test Number: 2





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co

301 S Market St
Wichita Ks 67202

ATTN: John Hastings

Marshall A # 30

36-11-18-Ellis-Ks

Job Ticket: 039910

DST#: 3

Test Start: 2010.08.01 @ 05:07:08

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:48:08

Time Test Ended: 12:01:23

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3472.00 ft (KB) To 3522.00 ft (KB) (TVD)**

Total Depth: 3522.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2007.00 ft (KB)

2002.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8354**

Inside

Press@RunDepth: 385.44 psig @ 3477.00 ft (KB)

Start Date: 2010.08.01

End Date:

2010.08.01

Start Time: 05:07:09

End Time:

12:01:23

Capacity: 8000.00 psig

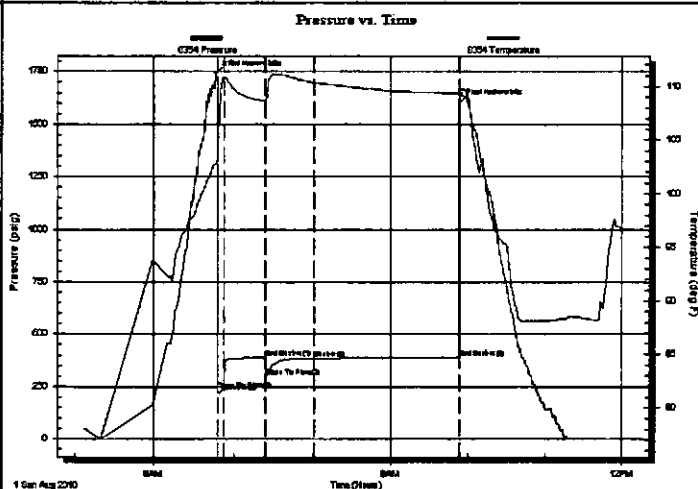
Last Calib.: 2010.08.01

Time On Btm: 2010.08.01 @ 06:46:38

Time Off Btm: 2010.08.01 @ 09:53:38

TEST COMMENT: IF-Strong B-B in 1 min

FF-Strong B-B in 1 min - died in 50 min



PRESSURE SUMMARY

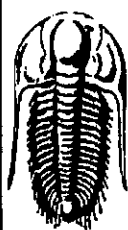
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1738.86	102.74	Initial Hydro-static
2	234.17	102.89	Open To Flow (1)
7	265.32	110.89	Shut-In(1)
38	389.03	108.61	End Shut-In(1)
38	297.93	108.63	Open To Flow (2)
75	385.44	110.37	Shut-In(2)
187	389.30	109.39	End Shut-In(2)
187	1603.48	109.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Wtr Rw .23 @ 80 = 25000ppm	1.41
250.00	StilyOCWtryM 3%o 25%w 72%m	3.51
495.00	O&WCM 10%o 10%w 80%m	6.94
3.00	CO	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Marshall A # 30

301 S Market St
Wichita Ks 67202

36-11-18-Ellis-Ks

Job Ticket: 039910

DST#: 3

ATTN: John Hastings

Test Start: 2010.08.01 @ 05:07:08

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.19 in³

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
120.00	Wtr Rw .23 @ 80 = 25000ppm	1.410
250.00	SillyOCWtryM 3%o 25%w 72%m	3.507
495.00	O&WCM 10%o 10%w 80%m	6.944
3.00	CO	0.042

Total Length: 868.00 ft

Total Volume: 11.903 bbl

Num Fluid Samples: 0

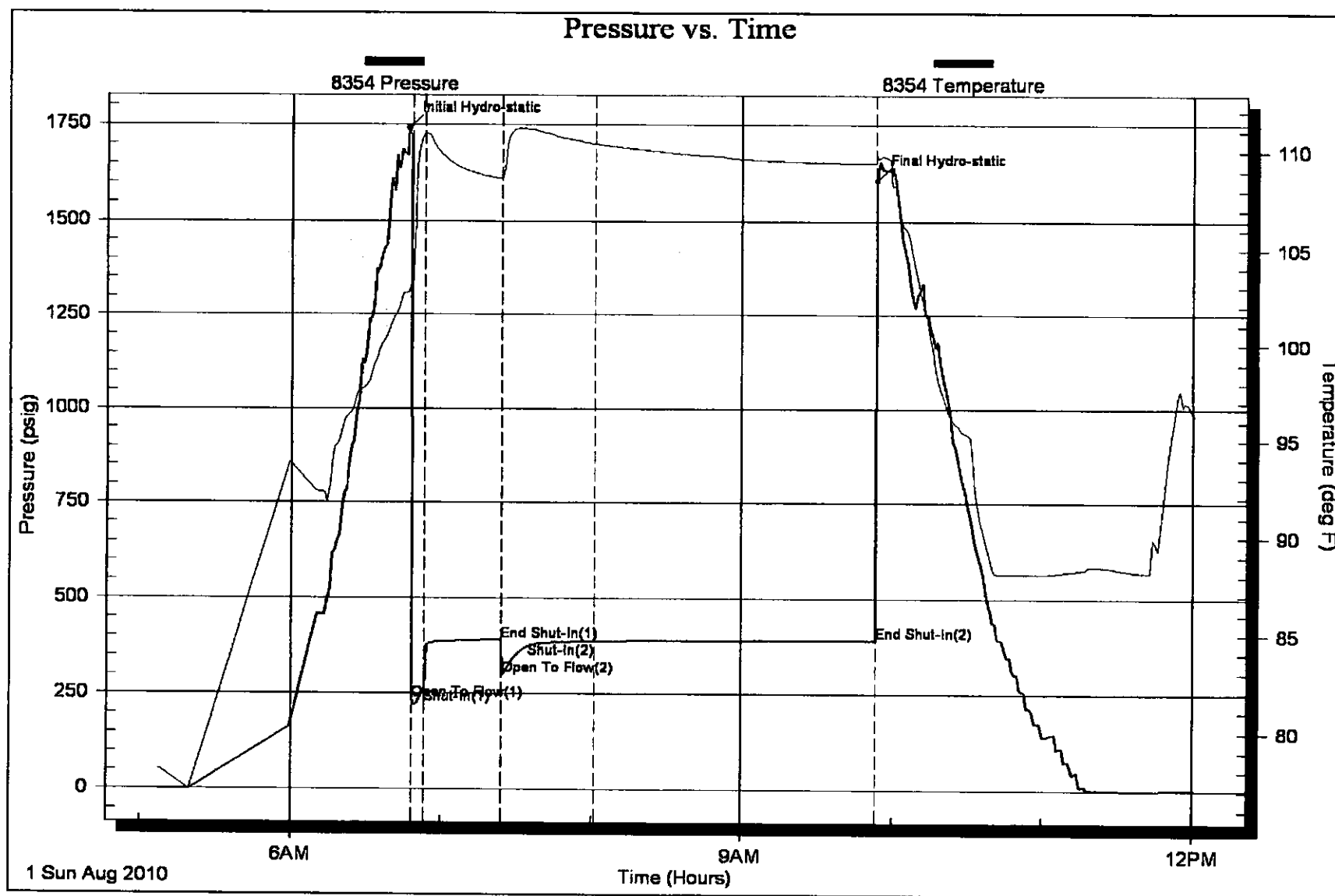
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

3

RECEIVED

AUG 02 2010

Test Ticket

NO. 039908 14600

BY: _____

Well Name & No. Marshall A #90 Test No. 1 Date 7-30-10
Company Lario Oil & Gas Co. Elevation 2007 KB 2002 GL
Address 301 S. Market St. Wichita KS 67202
Co. Rep / Geo. Bob Bayer Rig Murphy #16
Location: Sec. 36 Twp. 11 Rge. 18 Co. Ellis State KS

Interval Tested 3210 - 3265 Zone Tested A LKC
Anchor Length 55 Drill Pipe Run 3172 Mud Wt. 8.8
Top Packer Depth 3205 Drill Collars Run 30 Vis 44
Bottom Packer Depth 3210 Wt. Pipe Run — WL 9.2
Total Depth 3265 Chlorides 3,000 ppm System LCM 2#

Blow Description I.F. Strong b-b in 6 min.

ISI - Weak surface blow

F.F. Strong b-b in 5 min.

F.SI - Weak - building to 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>MC Gsyo</u>	<u>30</u>	<u>50</u>	<u>20</u>	<u>0</u>
<u>110</u>	<u>MC Gsyo</u>	<u>20</u>	<u>50</u>	<u>30</u>	<u>0</u>
<u>680</u>	<u>GIP</u>				

Rec Total 2.30 BHT 104 Gravity 32.25 API RW @ — °F Chlorides — ppm

(A) Initial Hydrostatic	(B) First Initial Flow	(C) First Final Flow	(D) Initial Shut-In	(E) Second Initial Flow	(F) Second Final Flow	(G) Final Shut-In	(H) Final Hydrostatic
<u>1548</u>	<u>22</u>	<u>49</u>	<u>330</u>	<u>50</u>	<u>96</u>	<u>332</u>	<u>1472</u>

□ Test	□ Jars	□ Safety Joint	□ Circ Sub	□ Hourly Standby	□ Mileage	□ Sampler	□ Straddle	□ Shale Packer	□ Extra Packer	□ Extra Recorder	□ Day Standby	□ Accessibility
<u>1125</u>					<u>50 RT 62.50</u>							

T-On Location	T-Started	T-Open	T-Pulled	T-Out
<u>17:50</u>	<u>18:45</u>	<u>20:40</u>	<u>23:40</u>	<u>01:20</u>

Initial Open 15
Initial Shut-In 30
Final Flow 45
Final Shut-In 90

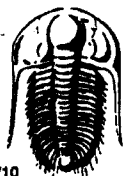
Sub Total 1187.50

MP/DST Disc't —

Approved By _____

Our Representative Don Bangle

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 02 2010

Test Ticket

NO. 039909

BY: _____

Well Name & No. Marshall A #30 Test No. 2 Date 7-31-10
Company Lario Oil & Gas Co. Elevation 2007 KB 2002 GL
Address _____
Co. Rep / Geo. Bob Bayer Rig Murfin #16
Location: Sec. 36 Twp. 11 Rge. 18 Co. Ellis State KS.

Interval Tested 3268 — 3340 Zone Tested F-G L&C
Anchor Length 72 Drill Pipe Run 3235 Mud Wt. 9.10
Top Packer Depth 3263 Drill Collars Run 30 Vis 50
Bottom Packer Depth 3268 Wt. Pipe Run — WL 9.2
Total Depth 3340 Chlorides 4000 ppm System LCM 24

Blow Description I.F. Strong B-B in 6 min.

LSI - Weak steady surface blow

E.F. - Strong B-B in 8 min.

FSI - Weak building to 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>CGSYO</u>	<u>20</u>	<u>80</u>		
<u>120</u>	<u>OC GSYM</u>	<u>10</u>	<u>10</u>	<u>80</u>	<u>80</u>
<u>185</u>	<u>SIT/100 G CMDY WTR</u>	<u>5</u>	<u>3</u>	<u>72</u>	<u>20</u>
<u>320</u>	<u>GIP</u>				

Rec Total 345 BHT 104 Gravity 34 API RW 1.3 @ 78 °F Chlorides 6500 ppm

(A) Initial Hydrostatic <u>1599</u>	☐ Test <u>1125</u>	T-On Location <u>08:45</u>
(B) First Initial Flow <u>27</u>	☐ Jars _____	T-Started <u>09:08</u>
(C) First Final Flow <u>84</u>	☐ Safety Joint _____	T-Open <u>10:45</u>
(D) Initial Shut-In <u>319</u>	☐ Circ Sub _____	T-Pulled <u>13:45</u>
(E) Second Initial Flow <u>90</u>	☐ Hourly Standby _____	T-Out <u>15:21</u>
(F) Second Final Flow <u>165</u>	☐ Mileage <u>50 RT 62.50</u>	Comments _____
(G) Final Shut-In <u>308</u>	☐ Sampler _____	
(H) Final Hydrostatic <u>1542</u>	☐ Straddle _____	

Initial Open 15
Initial Shut-In 30
Final Flow 45
Final Shut-In 90

☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
Sub Total 1187.50

☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
Sub Total 0
Total 1187.50
MP/DST Disc't _____

Approved By _____

Our Representative Don Rangle

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 02 2010

Test Ticket

NO. 039910

Well Name & No. Marshall A #30 BY: _____ Test No. 3 Date 8-1-10
Company Lario Oil & Gas Co Elevation 2007 KB 2002 GL _____
Address _____
Co. Rep / Geo. Bob Bayer Rig Murfin #16
Location: Sec. 36 Twp. 11 Rge. 18 Co. Ellis State Ks

Interval Tested 3472 — 3522 Zone Tested Arbuckle
Anchor Length 50 Drill Pipe Run 3425 Mud Wt. 9.10
Top Packer Depth 3467 Drill Collars Run 30 Vis 50
Bottom Packer Depth 3472 Wt. Pipe Run — WL 9.2
Total Depth 3522 Chlorides 4500 ppm System LCM 2#
Blow Description I.F. Strong B-B in 1 min.

E.F. Strong B-B in 1 min - died in 50 min.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>3</u>	Feet of <u>CO</u>				
Rec <u>495</u>	Feet of <u>OTWCM</u>	%gas <u>10</u>	%oil <u>10</u>	%water <u>80</u>	%mud <u>80</u>
Rec <u>250</u>	Feet of <u>Silty OC WTRY M</u>	%gas <u>3</u>	%oil <u>25</u>	%water <u>72</u>	%mud <u>72</u>
Rec <u>120</u>	Feet of <u>WTR</u>	%gas	%oil <u>100</u>	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 868 BHT 109 Gravity _____ API RW .23 @ 80 °F Chlorides 25,000 ppm

(A) Initial Hydrostatic <u>1738</u>	☐ Test <u>1125</u>	T-On Location <u>04:40</u>
(B) First Initial Flow <u>234</u>	☐ Jars _____	T-Started <u>05:07</u>
(C) First Final Flow <u>265</u>	☐ Safety Joint _____	T-Open <u>07:52</u>
(D) Initial Shut-In <u>389</u>	☐ Circ Sub _____	T-Pulled <u>09:52</u>
(E) Second Initial Flow <u>297</u>	☐ Hourly Standby _____	T-Out <u>12:01</u>
(F) Second Final Flow <u>385</u>	☐ Mileage <u>50 RT 102.50</u>	Comments _____
(G) Final Shut-In <u>389</u>	☐ Sampler _____	
(H) Final Hydrostatic <u>1603</u>	☐ Straddle _____	

Initial Open 5
Initial Shut-In 30
Final Flow 60
Final Shut-In 90

☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
Sub Total 0
Total 1187.50
MP/DST Disc't _____
Sub Total 1187.50

Approved By _____

Our Representative

Dan Bangle

Triobite 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.