

1065347

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West County: _____

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 ☐ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☐ No

Cores Taken ☐ Yes ☐ No

Electric Log Run ☐ Yes ☐ No

Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample
Name Top Datum

CASING RECORD ☐ New ☐ 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
____ Perforate				
____ Protect Casing				
____ Plug Back TD				
____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: ☐ Yes ☐ No
Date of First, Resumed Production, SWD or ENHR.	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. (Submit ACO-5) ☐ Commingled (Submit ACO-4) ☐ Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Z Carpenter Trust 1-27
Doc ID	1065347

All Electric Logs Run

DIL
CDL/CNL/PE
MICROLOG
SONIC

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Z Carpenter Trust 1-27
Doc ID	1065347

Tops

Name	Top	Datum
Heebner	4026	-900
Lansing	4069	-943
Stark Sh	4372	-1246
Hushpuckney	4424	-1298
Base KC	4502	-1376
Marmaton	4532	-1406
Pawnee	4609	-1483
Ft. Scott	4632	-1506
Cherokee Sh	4644	-1518
Johnson	4758	-1632
Basal Penn	4841	-1715
Mississippian	4934	-1808

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

November 11, 2011

Jay Schweikert
Lario Oil & Gas Company
301 S MARKET ST
WICHITA, KS 67202-3805

Re: ACO1
API 15-171-20831-00-00
Z Carpenter Trust 1-27
SE/4 Sec.27-18S-34W
Scott County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Jay Schweikert



24 S. Lincoln Street
P.O. Box 31
Russell, KS 67665-2906

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 128903
Invoice Date: Oct 13, 2011
Page: 1

Bill To:

Lario Oil & Gas Co.
P.O. Box 1093
Garden City, KS 67846

Federal Tax I.D.#: 20-5975804

drilling
AFE 11-241
10-24-11 LK

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Lario	ZCarpenterTrust1-27	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Oct 13, 2011	11/12/11

Quantity	Item	Description	Unit Price	Amount
230.00	MAT	Class A Common	16.25	3,737.50
4.00	MAT	Gel	21.25	85.00
8.00	MAT	Chloride	58.20	465.60
242.00	SER	Handling	2.25	544.50
45.00	SER	Mileage	26.62	1,197.90
1.00	SER	Surface	1,125.00	1,125.00
90.00	SER	Heavy Vehicle Mileage	7.00	630.00
1.00	SER	Manifold Swedge Rental	200.00	200.00
90.00	SER	Light Vehicle Mileage	4.00	360.00
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Darren Racette		
1.00	OPER ASSIST	Earl Rebarchek		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 2125.90

ONLY IF PAID ON OR BEFORE
Nov 7, 2011

Subtotal	8,345.50
Sales Tax	313.03
Total Invoice Amount	8,658.53
Payment/Credit Applied	
TOTAL	8,658.53

ALLIED CEMENTING CO., LLC. 036089

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Dakota, KS

DATE <u>10-13-11</u>	SEC. <u>27</u>	TWP. <u>18</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00pm</u>	JOB FINISH <u>7:30pm</u>
LEASE <u>Trust</u>	WELL # <u>1-27</u>	LOCATION <u>Modock, Va E, 25 3/4 E</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>Ninto</u>			

CONTRACTOR WW #2
TYPE OF JOB Surface
HOLE SIZE 12 1/4" T.D. 376'
CASING SIZE 8 7/8 DEPTH 38203
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15'
PERFS.
DISPLACEMENT 23.36

EQUIPMENT

PUMP TRUCK CEMENTER Lakene
431 HELPER Darren
BULK TRUCK
347 DRIVER Earl
BULK TRUCK
DRIVER

REMARKS:

Mix 2305ks down casing
wash up pump & lined displacer
with water

Cement did circulate

Thank you

CHARGE TO: Land Oil & Gas

STREET

CITY STATE ZIP

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Lorrie Hany

SIGNATURE Lorrie Hany

OWNER Same
CEMENT
AMOUNT ORDERED 2305ks con 32cc
220 gal

COMMON 2305ks @ 16.25 3732.50
POZMIX @
GEL 4.75 @ 21.25 85.00
CHLORIDE 85.15 @ 58.20 465.60
ASC @

HANDLING 2425ks @ 2.25 545.50
MILEAGE 114.88 miles 1148.80

TOTAL 6030.50

SERVICE

DEPTH OF JOB 376'
PUMP TRUCK CHARGE 1122.00
EXTRA FOOTAGE @
MILEAGE 45X2 @ 7.00 630.00
MANIFOLD 5 wedge @ 20.00 100.00
light vehicle @ 4.00 360.00

TOTAL 2815.00

PLUG & FLOAT EQUIPMENT

@
@
@
@
@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

Bid



24 S. Lincoln Street
P.O. Box 31
Russell, KS 67665-2906

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 129058
Invoice Date: Oct 24, 2011
Page: 1

Bill To:

Lario Oil & Gas Co.
P.O. Box 1093
Garden City, KS 67846

Federal Tax I.D.#: 20-5975804

drilling AFE 11 241
11-7-11 LK

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Lario	ZCarpenterTrust#1-27	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Oct 24, 2011	11/23/11

Quantity	Item	Description	Unit Price	Amount
177.00	MAT	Class A Common	16.25	2,876.25
118.00	MAT	Pozmix	8.50	1,003.00
10.00	MAT	Gel	21.25	212.50
75.00	MAT	Flo Seal	2.70	202.50
308.00	SER	Handling	2.25	693.00
45.00	SER	Mileage	33.88	1,524.60
1.00	SER	Plugged To Abandon	1,250.00	1,250.00
90.00	SER	Heavy Vehicle Mileage	7.00	630.00
90.00	SER	Light Vehicle Mileage	4.00	360.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	JR DeBusk		

NOV 9 2011

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1750.37

ONLY IF PAID ON OR BEFORE
Nov 18, 2011

Subtotal	8,751.85
Sales Tax	638.89
Total Invoice Amount	9,390.74
Payment/Credit Applied	
TOTAL	9,390.74

ALLIED CEMENTING CO., LLC. 036023

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley, KS

DATE <u>10/24/17</u>	SEC. <u>27</u>	TWP. <u>18</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>2:30pm</u>	JOB START <u>4:30pm</u>	JOB FINISH <u>5:30pm</u>
LEASE <u>2 Carpenter</u>	WELL # <u>127</u>	LOCATION <u>Modoc 1/2 E 25</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>3/4 E 25</u>			

CONTRACTOR W.W. 2

TYPE OF JOB PTA

HOLE SIZE 5 7/8 T.D.

CASING SIZE 8 5/8 DEPTH 380

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER Same

CEMENT
AMOUNT ORDERED 29.5 SK 60/40 47 gal
1 1/4 Flo Seal

COMMON	<u>177</u>	@ <u>16.25</u>	<u>2876.25</u>
POZMIX	<u>118</u>	@ <u>8.50</u>	<u>1003.50</u>
GEL	<u>10</u>	@ <u>21.25</u>	<u>212.50</u>
CHLORIDE		@	
ASC		@	
		@	
<u>Flo Seal</u>	<u>2516</u>	@ <u>2.20</u>	<u>202.50</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>300 SK</u>	@ <u>2.25</u>	<u>660.00</u>
MILEAGE	<u>11.55 K/mile</u>		<u>1524.00</u>
TOTAL			<u>6511.25</u>

REMARKS:

2440' - 50 SK
1350' - 80 SK
200' - 50 SK
400' - 50 SK
60' - 20 SK
Ret Hole - 30 SK
Manual Hole 15 SK

SERVICE

DEPTH OF JOB	<u>2440'</u>
PUMP TRUCK CHARGE	<u>1250.00</u>
EXTRA FOOTAGE	@
MILEAGE	<u>45 X 2</u> @ <u>7.00</u> <u>630.00</u>
MANIFOLD	@
<u>45 X 2</u>	@ <u>4.00</u> <u>360.00</u>
	@

CHARGE TO: Carid Oil

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 2240.00

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Frank Lopez

SIGNATURE Frank Lopez



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

301 S. Market
Wichita, KS 67202

ATTN: Wes Hansen

27-18s-34w Scott, KS

Z Carpenter Trust 1-2

Job Ticket: 43846

DST#: 1

Test Start: 2011.10.19 @ 01:15:05

GENERAL INFORMATION:

Formation: Lansing H

Deviated: No Whipstock ft (KB)

Time Tool Opened: 03:25:15

Time Test Ended: 08:05:29

Interval: 4260.00 ft (KB) To 4282.00 ft (KB) (TVD)

Total Depth: 4282.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 35

Reference Elevations: 3126.00 ft (KB)

3121.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 17.66 psig @ 4261.00 ft (KB)

Start Date: 2011.10.19

End Date: 2011.10.19

Start Time: 01:15:05

End Time: 08:05:29

Capacity: 8000.00 psig

Last Calib.: 2011.10.19

Time On Blm: 2011.10.19 @ 03:24:00

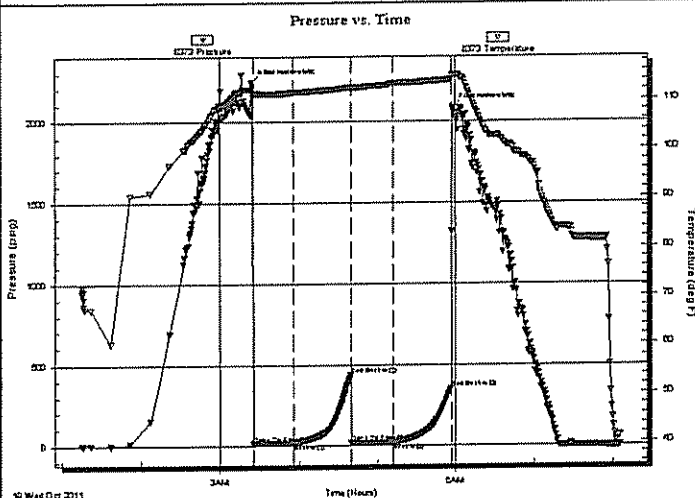
Time Off Blm: 2011.10.19 @ 05:57:44

TEST COMMENT: IF: Surface blow died in 8 min.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

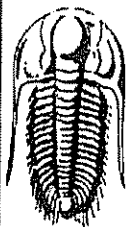
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2243.42	112.08	Initial Hydro-static
2	13.38	110.40	Open To Flow (1)
32	16.60	111.41	Shut-In(1)
76	438.38	112.44	End Shut-In(1)
77	16.50	112.10	Open To Flow (2)
108	17.66	113.29	Shut-In(2)
153	352.08	114.01	End Shut-In(2)
154	2084.45	114.98	Final Hydro-static

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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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

27-18s-34w Scott, KS

301 S. Market
Wichita, KS 67202

Z Carpenter Trust 1-2

Job Ticket: 43846

DST#: 1

ATTN: Wes Hansen

Test Start: 2011.10.19 @ 01:15:05

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: 68.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 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:

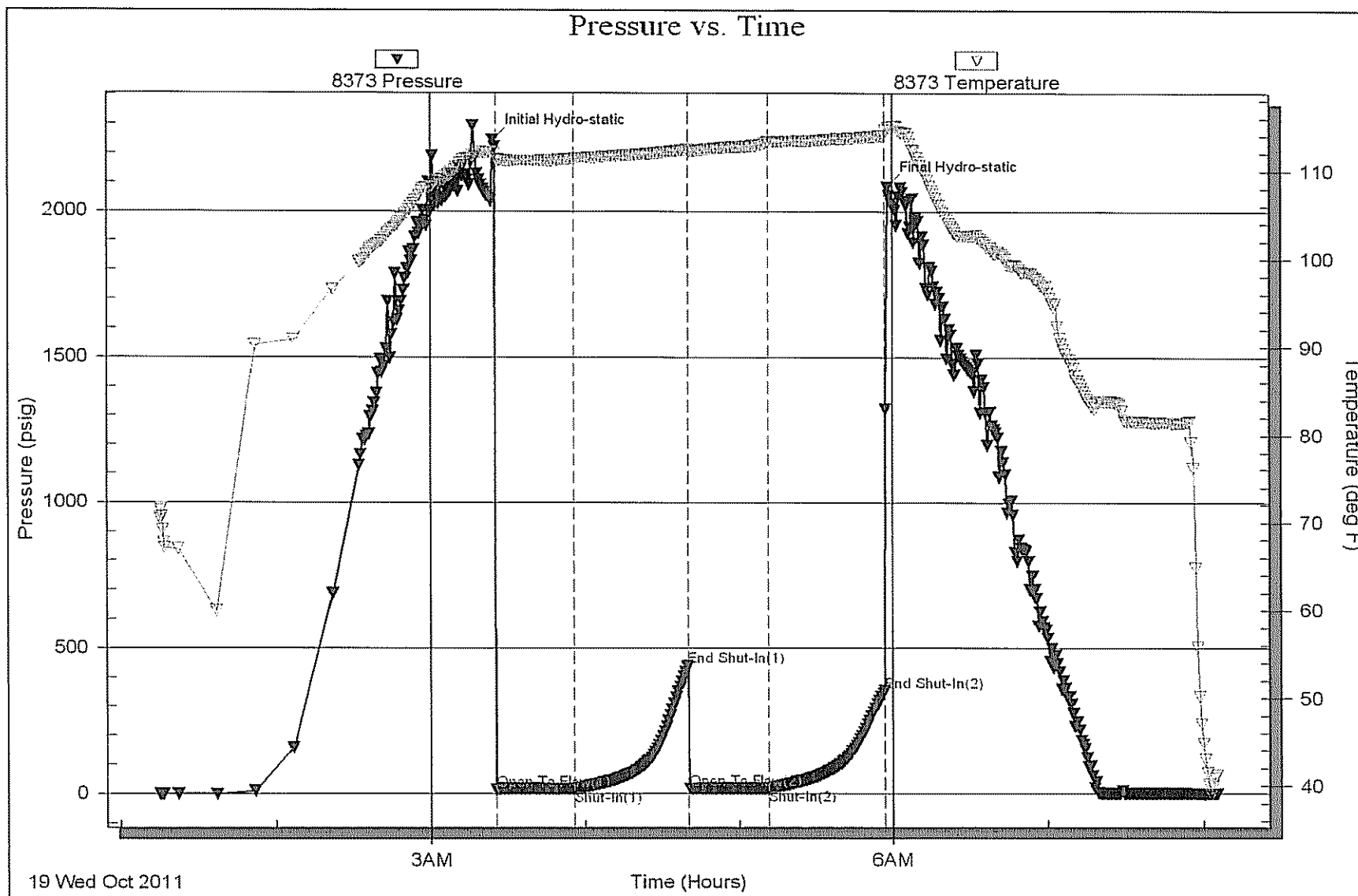
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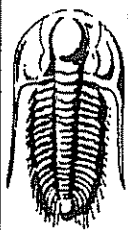
Inside

Lario Oil & Gas Company

Z Carpenter Trust 1-2

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

301 S. Market
Wichita, KS 67202

ATTN: Wes Hansen

27-18s-34w Scott, KS

Z Carpenter Trust 1-2

Job Ticket: 43847

DST#: 2

Test Start: 2011.10.19 @ 20:50:23

GENERAL INFORMATION:

Formation: Upper Lansing I

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:58:18

Time Test Ended: 04:39:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 35

Interval: 4309.00 ft (KB) To 4320.00 ft (KB) (TVD)

Total Depth: 4349.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3126.00 ft (KB)

3121.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 226.13 psig @ 4310.00 ft (KB)

Start Date: 2011.10.19

End Date:

2011.10.20

Start Time: 20:50:23

End Time:

04:39:02

Capacity: 8000.00 psig

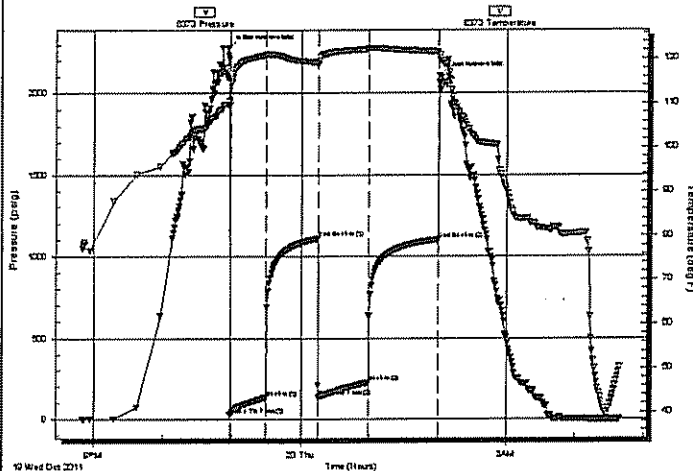
Last Calib.: 2011.10.20

Time On Btm: 2011.10.19 @ 22:56:33

Time Off Btm: 2011.10.20 @ 02:01:02

TEST COMMENT: IF: 1/4 blow BOB in 13 min.
IS: No return.
FF: 1/4 blow BOB in 20 min.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2276.80	109.86	Initial Hydro-static
2	25.02	109.68	Open To Flow (1)
33	132.98	120.87	Shut-In(1)
78	1111.51	119.24	End Shut-In(1)
79	136.58	118.82	Open To Flow (2)
122	226.13	122.25	Shut-In(2)
184	1104.54	121.60	End Shut-In(2)
185	2109.52	120.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 95%w 5%m	0.62
124.00	mcw trace of oil 90%w 10%m	1.74
155.00	ocmw 5%o 65%w 30%m	2.17
76.00	mco 95%o 5%m	1.07

* Recovery from multiple tests

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

301 S. Market
Wichita, KS 67202

ATTN: Wes Hansen

27-18s-34w Scott, KS

Z Carpenter Trust 1-2

Job Ticket: 43847

DST#: 2

Test Start: 2011.10.19 @ 20:50:23

GENERAL INFORMATION:

Formation: Upper Lansing I

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:58:18

Time Test Ended: 04:39:02

Interval: 4309.00 ft (KB) To 4320.00 ft (KB) (TVD)

Total Depth: 4349.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 35

Reference Elevations: 3126.00 ft (KB)

3121.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 226.13 psig @ 4310.00 ft (KB)

Start Date: 2011.10.19

End Date:

2011.10.20

Start Time: 20:50:23

End Time:

04:39:02

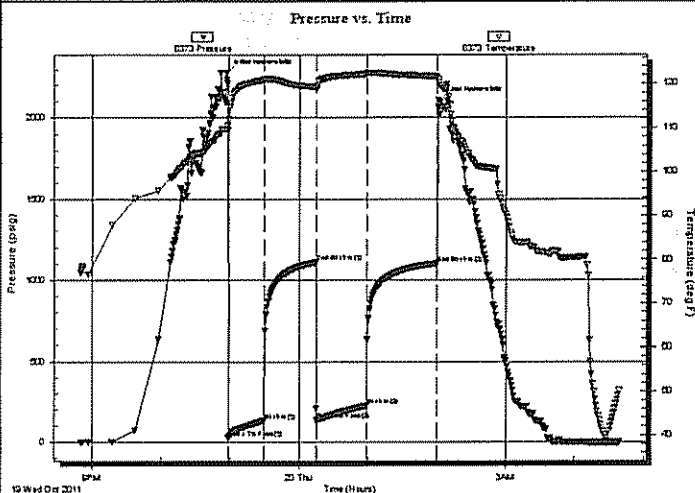
Capacity: 8000.00 psig

Last Calib.: 2011.10.20

Time On Blm: 2011.10.19 @ 22:56:33

Time Off Blm: 2011.10.20 @ 02:01:02

TEST COMMENT: IF: 1/4 blow BOB in 13 min.
IS: No return.
FF: 1/4 blow BOB in 20 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2276.80	109.86	Initial Hydro-static
2	25.02	109.68	Open To Flow (1)
33	132.98	120.87	Shut-In(1)
78	1111.51	119.24	End Shut-In(1)
79	136.58	118.82	Open To Flow (2)
122	226.13	122.25	Shut-In(2)
184	1104.54	121.60	End Shut-In(2)
185	2109.52	120.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 95%w 5%m	0.62
124.00	mcw trace of oil 90%w 10%m	1.74
155.00	ocmw 5%o 65%w 30%m	2.17
76.00	mco 95%o 5%m	1.07

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

27-18s-34w Scott, KS

301 S. Market
Wichita, KS 67202

Z Carpenter Trust 1-2

Job Ticket: 43847

DST#: 2

ATTN: Wes Hansen

Test Start: 2011.10.19 @ 20:50:23

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 10.38 in³

Resistivity: 0.00 ohm.m

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 28 deg API

Water Salinity: 32000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mcw 95%w 5%m	0.619
124.00	mcw trace of oil 90%w 10%m	1.739
155.00	ocmw 5%o 65%w 30%m	2.174
76.00	mco 95%o 5%m	1.066

Total Length: 479.00 ft Total Volume: 5.598 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 28@60=28

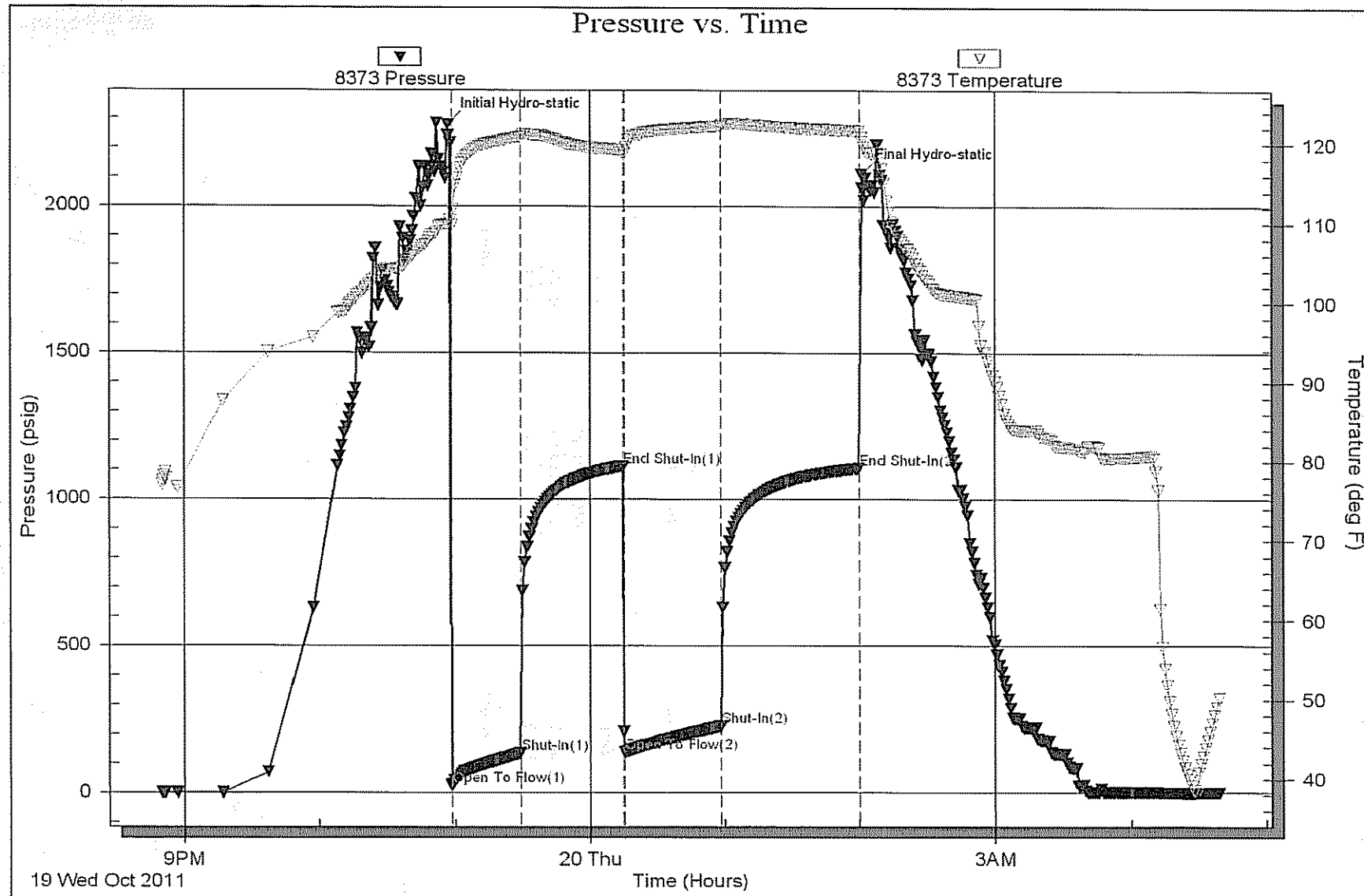
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Serial #: 8373

Inside Lario Oil & Gas Company

Z CarpenterTrust 1-2

DST Test Number: 2

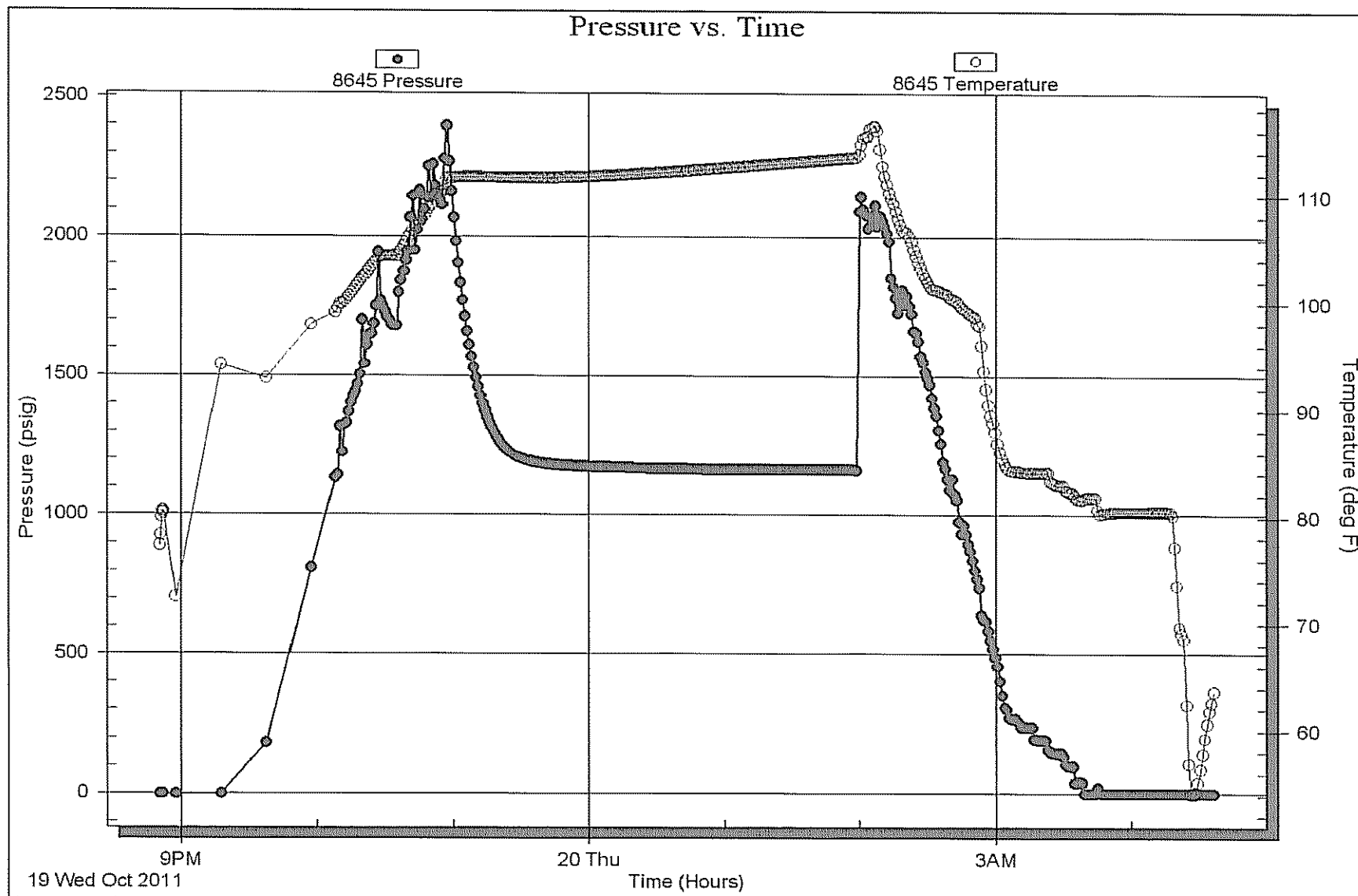


Serial #: 8645

Below (Straddle) Oil & Gas Company

Z Carpenter Trust 1-2

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

301 S. Market
Wichita, KS 67202

ATTN: Wes Hansen

27-18s-34w Scott, KS

Z Carpenter Trust 1-2

Job Ticket: 43848

DST#: 3

Test Start: 2011.10.20 @ 05:20:25

GENERAL INFORMATION:

Formation: Lansing J

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:34:35

Time Test Ended: 12:53:04

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 35

Interval: 4338.00 ft (KB) To 4349.00 ft (KB) (TVD)

Total Depth: 4349.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3126.00 ft (KB)

3121.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 454.54 psig @ 4339.00 ft (KB)

Start Date: 2011.10.20

End Date:

2011.10.20

Start Time: 05:20:25

End Time:

12:53:04

Capacity: 8000.00 psig

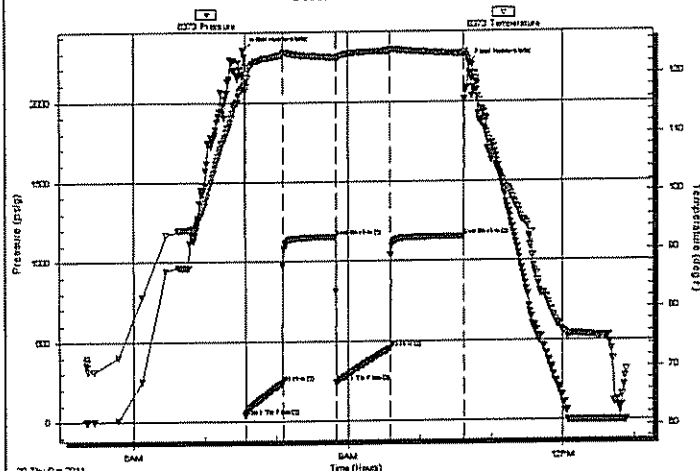
Last Calib.: 2011.10.20

Time On Btm: 2011.10.20 @ 07:32:35

Time Off Btm: 2011.10.20 @ 10:40:34

TEST COMMENT: IF: 1/4 blow BOB in 7 min.
IS: No return.
FF: 1/4 blow BOB in 13 min.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2324.37	117.53	Initial Hydro-static
2	33.95	117.11	Open To Flow (1)
33	240.55	123.30	Shut-In(1)
77	1153.53	122.79	End Shut-In(1)
78	240.59	122.43	Open To Flow (2)
123	454.54	123.90	Shut-In(2)
185	1153.23	123.37	End Shut-In(2)
188	2235.82	122.42	Final Hydro-static

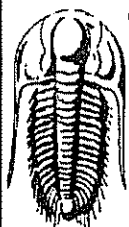
Recovery

Length (ft)	Description	Volume (bbl)
434.00	water 100%w	4.97
310.00	mcw 95%w 5%m	4.35
226.00	mcw 80%w 20%m	3.17

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

27-18s-34w Scott, KS

301 S. Market
Wichita, KS 67202

Z Carpenter Trust 1-2

Job Ticket: 43848

DST#: 3

ATTN: Wes Hansen

Test Start: 2011.10.20 @ 05:20:25

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:

29000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
434.00	water 100%w	4.967
310.00	mcw 95%w 5%m	4.348
226.00	mcw 80%w 20%m	3.170

Total Length: 970.00 ft

Total Volume: 12.485 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .28@60=29000

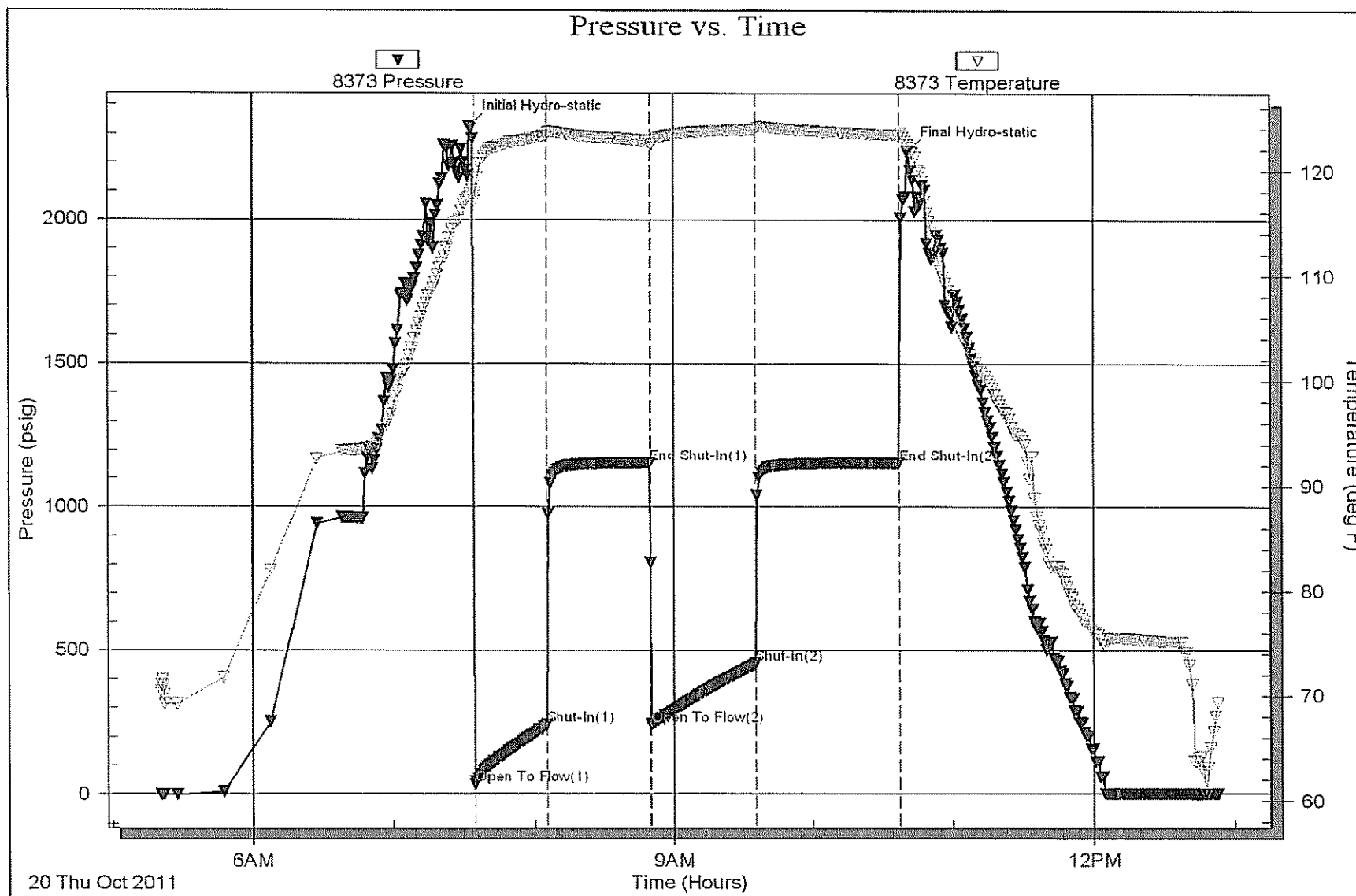
Serial #: 8373

Inside

Lario Oil & Gas Company

Z Carpenter Trust 1-2

DST Test Number: 3





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

301 S. Market
Wichita, KS 67202

ATTN: Wes Hansen

27-18s-34w Scott, KS

Z Carpenter Trust 1-2

Job Ticket: 43849

DST#: 4

Test Start: 2011.10.21 @ 12:45:16

GENERAL INFORMATION:

Formation: Maramaton A&B

Deviated: No Whipstock ft (KB)

Time Tool Opened: 14:48:56

Time Test Ended: 19:05:10

Interval: 4529.00 ft (KB) To 4570.00 ft (KB) (TVD)

Total Depth: 4570.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 35

Reference Elevations: 3126.00 ft (KB)

3121.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8373 Inside

Press@RunDepth: 33.46 psig @ 4530.00 ft (KB)

Start Date: 2011.10.21 End Date: 2011.10.21

Start Time: 12:45:16 End Time: 19:05:10

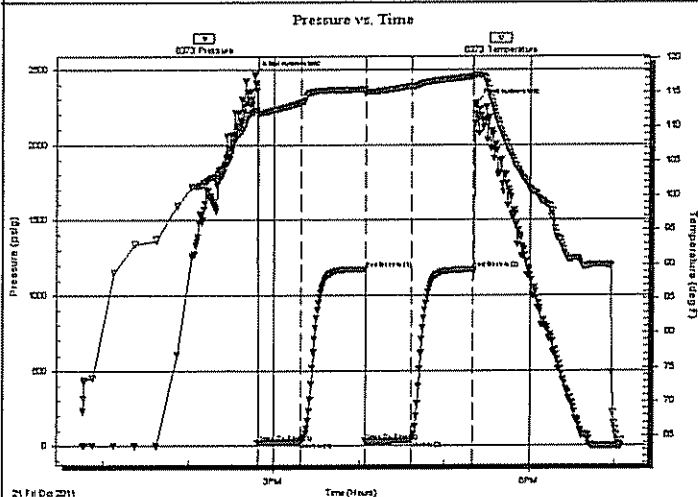
Capacity: 8000.00 psig

Last Calib.: 2011.10.21

Time On Blmt: 2011.10.21 @ 14:46:26

Time Off Blmt: 2011.10.21 @ 17:21:40

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	2468.92	112.11	Initial Hydro-static
3	20.88	111.64	Open To Flow (1)
33	28.96	113.48	Shut-In(1)
78	1174.21	115.47	End Shut-In(1)
78	30.38	114.83	Open To Flow (2)
111	33.46	115.81	Shut-In(2)
154	1172.87	117.28	End Shut-In(2)
156	2276.94	117.55	Final Hydro-static

Recovery

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

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

27-18s-34w Scott, KS

301 S. Market
Wichita, KS 67202

Z CarpenterTrust 1-2

Job Ticket: 43849

DST#: 4

ATTN: Wes Hansen

Test Start: 2011.10.21 @ 12:45:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 11000.00 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:

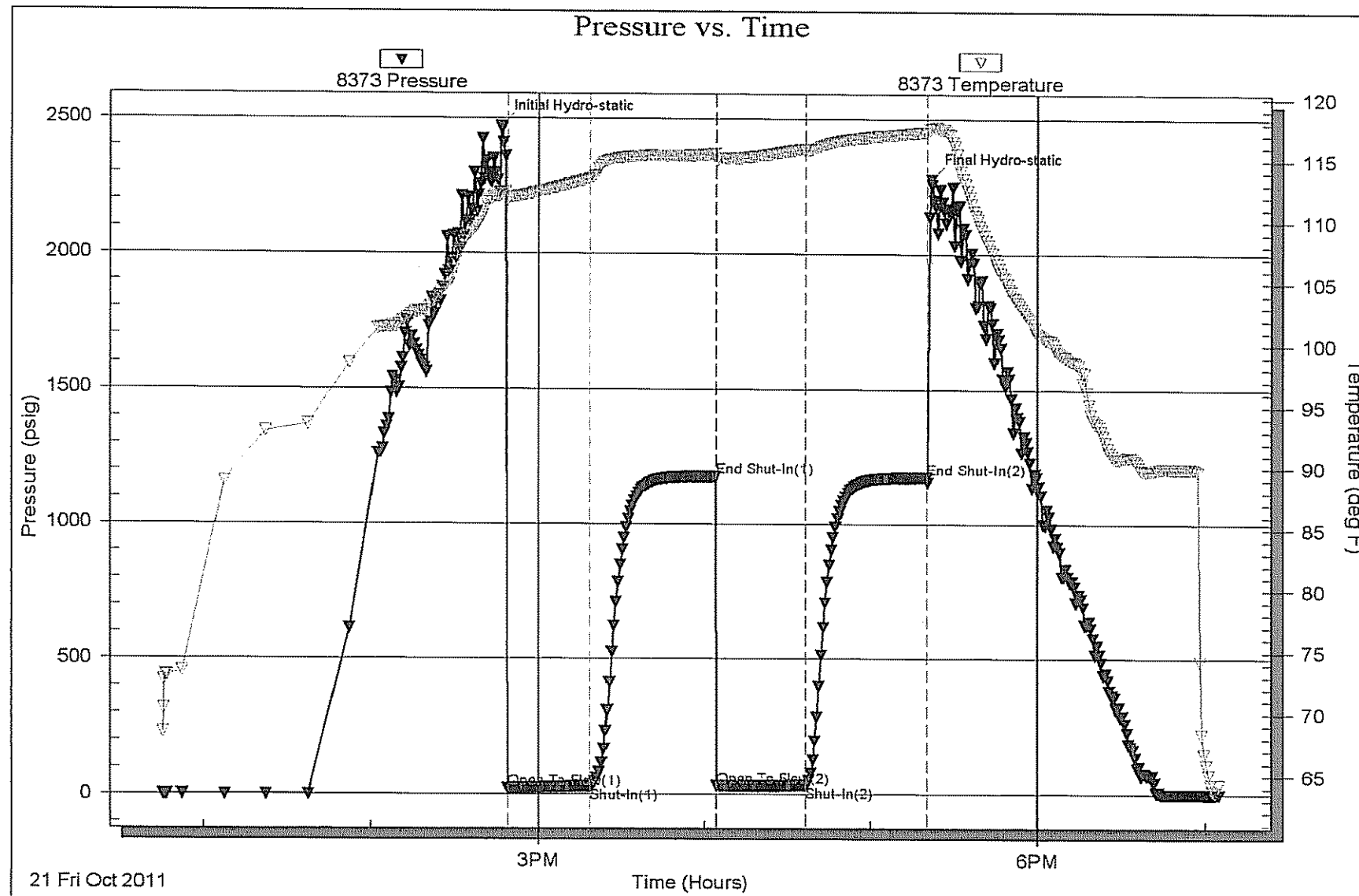
Serial #: 8373

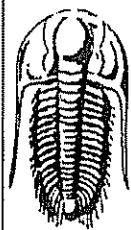
Inside

Lario Oil & Gas Company

Z CarpenterTrust 1-2

DST Test Number: 4





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

301 S. Market
Wichita, KS 67202

ATTN: Wes Hansen

27-18s-34w Scott, KS

Z Carpenter Trust 1-2

Job Ticket: 43850

DST#: 5

Test Start: 2011.10.22 @ 09:52:55

GENERAL INFORMATION:

Formation: Pawnee/ Ft Scott

Deviated: No Whipstock ft (KB)

Time Tool Opened: 11:44:20

Time Test Ended: 16:02:04

Interval: 4598.00 ft (KB) To 4650.00 ft (KB) (TVD)

Total Depth: 4650.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 35

Reference Elevations: 3126.00 ft (KB)

3121.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 22.09 psig @ 4599.00 ft (KB)

Start Date: 2011.10.22

End Date:

2011.10.22

Start Time: 09:52:55

End Time:

16:02:04

Capacity: 8000.00 psig

Last Calib.: 2011.10.22

Time On Blm: 2011.10.22 @ 11:43:05

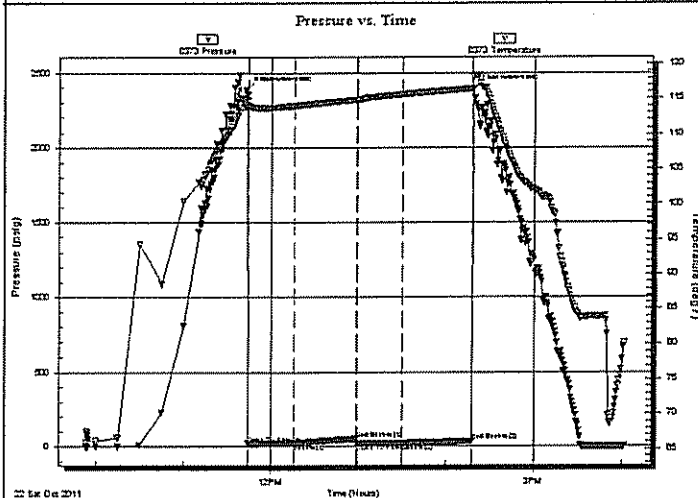
Time Off Blm: 2011.10.22 @ 14:18:19

TEST COMMENT: IF: Surface blow died in 8 min.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2386.64	114.74	Initial Hydro-static
2	18.16	114.09	Open To Flow (1)
33	20.06	113.92	Shut-In(1)
76	49.71	114.82	End Shut-In(1)
77	19.44	114.81	Open To Flow (2)
107	22.09	115.58	Shut-In(2)
154	34.11	116.42	End Shut-In(2)
156	2394.45	118.12	Final Hydro-static

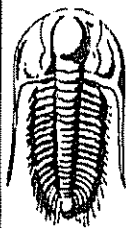
Recovery

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

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

27-18s-34w Scott, KS

301 S. Market
Wichita, KS 67202

Z Carpenter Trust 1-2

Job Ticket: 43850

DST#: 5

ATTN: Wes Hansen

Test Start: 2011.10.22 @ 09:52:55

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 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:

Serial #: 8373

Inside Lario Oil & Gas Company

Z Carpenter Trust 1-2

DST Test Number: 5

