Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1085265

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5214
Name: Lario Oil & Gas Company
Address 1: 301 S MARKET ST
Address 2:
City: WICHITA State: KS Zip: 67202 + 3805
Contact Person: Jay Schweikert
Phone: (316) 265-5611
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Steve Davis
Purchaser:

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

06/19/2012	06/27/2012	06/28/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-109-21108-00-00
Spot Description:
NE - NE - SW - SW Sec. 5 Twp. 15 S. R. 32 ☐ East ☑ West
1175 Feet from ☐ North / ☑ South Line of Section
1065 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)*, Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Logan
Lease Name: Rose Turley Unit Well #: 1-5
Field Name:
Producing Formation: na
Elevation: Ground: 2727 Kelly Bushing: 2732
Total Vertical Depth: 4500 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 219 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 12100 ppm Fluid volume: 700 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT
I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
☑ **Confidentiality Requested**
Date: 07/16/2012
☑ **Confidential Release Date:** 07/16/2014
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 07/16/2012

[redacted]
1085265

Operator Name: Lario Oil & Gas Company Lease Name: Rose Turley Unit Well #: 1-5

Sec. 5 Twp. 15 S. R. 32 ☐ East ☑ West County: Logan

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

List All E. Logs Run:
Attached

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

Name	Top	Datum
Attached	Attached	Attached

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
surface	12.25	8.625	23	219	Common	150	2% gel, 3% CC

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	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

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)* D & A

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)*	

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Rose Turley Unit 1-5
Doc ID	1085265

All Electric Logs Run

MPD/MDN
MSS
MML
MAI/MFE

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Rose Turley Unit 1-5
Doc ID	1085265

Tops

Name	Top	Datum
Heebner	3673	-941
Lansing	3712	-980
Hushpuckney	4006	-1274
Base KC	4057	-1325
Marmaton	4096	-1364
Pawnee	4174	-1442
Ft. Scott	4204	-1472
Johnson	4296	-1564
Morrow	4334	-1602
Basal Penn	4356	-1624
Mississippian	4376	-1644

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

Kansas
Corporation Commission

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

July 16, 2012

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

Re: ACO1
API 15-109-21108-00-00
Rose Turley Unit 1-5
SW/4 Sec.05-15S-32W
Logan 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

ALLIED
OIL & GAS SERVICES, LLC

INVOICE

PO Box 93999
Southlake, TX 76092

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

Invoice Number: 131646
Invoice Date: Jun 19, 2012
Page: 1

1967 2012 45 YEARS

Rose Turley Unit 1-5
drilling AFE 12 172
7-2-12 LK

Bill To:

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

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Lario	Rose-TurleyUnit#1-15	Net 30 Days	
Job Location	**Camp Location**	**Service Date**	**Due Date**
KS1-01	Oakley	Jun 19, 2012	7/19/12

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class A Common	16.25	2,437.50
3.00	MAT	Gel	21.25	63.75
5.00	MAT	Chloride	58.20	291.00
162.00	SER	Handling	2.10	340.20
185.07	SER	Drayage	2.35	434.93
1.00	SER	Surface	1,125.00	1,125.00
25.00	SER	Pump Truck Mileage	7.00	175.00
25.00	SER	Light Vehicle Mileage	4.00	100.00
1.00	CEMENTER	Alan Ryan		
1.00	CEMENTER	Terry Heinrich		
1.00	OPER ASSIST	Chris Helpingstine		

JUL 5 2012

Subtotal	4,967.38
Sales Tax	203.83
Total Invoice Amount	5,171.21
Payment/Credit Applied	
TOTAL	**5,171.21**

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

$ 1390.87

ONLY IF PAID ON OR BEFORE

Jul 14, 2012

ALLIED CEMENTING CO., LLC. 035412

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Oakley KS

DATE 6/19/12	SEC. 5	TWP. 15	RANGE 32	CALLED OUT	ON LOCATION	JOB START 7:30pm	JOB FINISH 7:45pm
LEASE Rose-Turley Unit	WELL # 1-15		LOCATION Oakley 2 3/4 S 3/4 E & N into			COUNTY Logan	STATE KS

OLD OR NEW (Circle one)

CONTRACTOR WW 2

OWNER Same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 219.0

CASING SIZE 8 5/8 DEPTH 219.86

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13.05

EQUIPMENT

PUMP TRUCK CEMENTER Alan
422 HELPER Terry
BULK TRUCK
#347 DRIVER Chris
BULK TRUCK
DRIVER

CEMENT

AMOUNT ORDERED 150 Com 3% CC 2% gel

COMMON	150	@ 16.25	2437.50
POZMIX		@	
GEL	3	@ 21.25	63.75
CHLORIDE	5	@ 58.00	291.00
ASC		@	
HANDLING	162 CF	@ 2.10	340.2
MILEAGE	23 mile/ton	7.403 ton	434.93

TOTAL 3567.38

REMARKS:

Run Csg, Circulate, Mix Cement, Displace Cement.

Cement did Circulate

Thank You
Alan, Terry, Chris

SERVICE

DEPTH OF JOB	219.86 FT		
PUMP TRUCK CHARGE			1125.00
EXTRA FOOTAGE		@	
MILEAGE	25	@ 7.00	175.00
MANIFOLD		@	NC
	25	@ 4.00	100.00
		@	

TOTAL 1400.00

CHARGE TO: Carin Oil & Gas

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@
@
@
@
@

TOTAL

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.

SALES TAX (If Any)

TOTAL CHARGES 4,967.38

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME Lonnie Lang

SIGNATURE Lonnie Lang

Bid 2880

ALLIED
OIL & GAS SERVICES, LLC

INVOICE

PO Box 93999
Southlake, TX 76092

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

Invoice Number: 131734
Invoice Date: Jun 28, 2012
Page: 1

2012 1967 45 YEARS

Bill To:

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

Rose Turley Unit 1-5
drilling AFE 12-172
7-10-12 LK

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Lario	Rose-Turly#1-5	Net 30 Days	
Job Location	**Camp Location**	**Service Date**	**Due Date**
KS1-03	Oakley	Jun 28, 2012	7/28/12

Quantity	Item	Description	Unit Price	Amount
123.00	MAT	Class A Common	16.25	1,998.75
82.00	MAT	Pozmix	8.50	697.00
7.00	MAT	Gel	21.25	148.75
51.00	MAT	FloSeal	2.70	137.70
211.74	SER	Handling	2.10	444.65
229.83	SER	Ton miles	2.35	540.09
1.00	SER	Plugged to Abandon	1,250.00	1,250.00
25.00	SER	Heavy Vehicle Mileage	7.00	175.00
25.00	SER	Light Vehicle Mileage	4.00	100.00
1.00	EQP	8 5/8 Wooden Plug	92.00	92.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	CEMENTER	Terry Heinrich		

ad
VC

JUL 12 2012

VC

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

$ 1116.78

ONLY IF PAID ON OR BEFORE

Jul 23, 2012

Subtotal	5,583.94
Sales Tax	407.63
Total Invoice Amount	5,991.57
Payment/Credit Applied	
TOTAL	**5,991.57**

ALLIED CEMENTING CO., LLC. 035422

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Oakley Ks

DATE 6/28/12	SEC. 5	TWP. 15	RANGE 32	CALLED OUT 8:00am	ON LOCATION 8:30am	JOB START	JOB FINISH
LEASE Rose-Trinity	WELL # 1-5		LOCATION Oakley 3S 3 1/4 W S E N into			COUNTY Logan	STATE Ks
OLD OR NEW (Circle one)							

CONTRACTOR WW 4
TYPE OF JOB PTA
HOLE SIZE 7 7/8 T.D.
CASING SIZE 8 5/8 DEPTH
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER Same

CEMENT
AMOUNT ORDERED 205 SKs 60/40 4% gel 1/4 Flo

COMMON	123	@ 16.25	1998.75
POZMIX	82	@ 8.50	697.00
GEL	7	@ 21.25	148.75
CHLORIDE		@	
ASC		@	
Flo Seal	51 lb	@ 2.70	137.70
HANDLING	211.74 CF	@ 2.10	444.65
MILEAGE 2¢ Ton/mile	9.193 Ton		540.09
		TOTAL	3966.94

EQUIPMENT

PUMP TRUCK # 422 CEMENTER Alan Ryan
HELPER Wayne McGhghy
BULK TRUCK # 399 DRIVER Terry Heinrich
BULK TRUCK # DRIVER

REMARKS:
25 SKs - 2160'
100 SKs - 1050'
40 SKs - 270'
10 SKs - 40'
30 SKs - Rat Hole

SERVICE

DEPTH OF JOB	2160'		
PUMP TRUCK CHARGE			1250.00
EXTRA FOOTAGE		@	
MILEAGE	25 miles	@ 7.00	175.00
MANIFOLD		@	
Lite Vehicle Miles	25	@ 4.00	100.00
		@	
		TOTAL	1525.00

CHARGE TO: Lario Oil & Gas
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

Wooden Plug	@	92.00
	@	
	@	
	@	
	@	
	TOTAL	92.00

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.

SALES TAX (If Any)
TOTAL CHARGES 5,583.94
DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME Lonnie Lang
SIGNATURE Lonnie Lang

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

Lario Oil & Gas Company

301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47988 **DST#: 1**

Test Start: 2012.06.23 @ 08:31:40

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:	69.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4400.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	mud 100%m	0.005

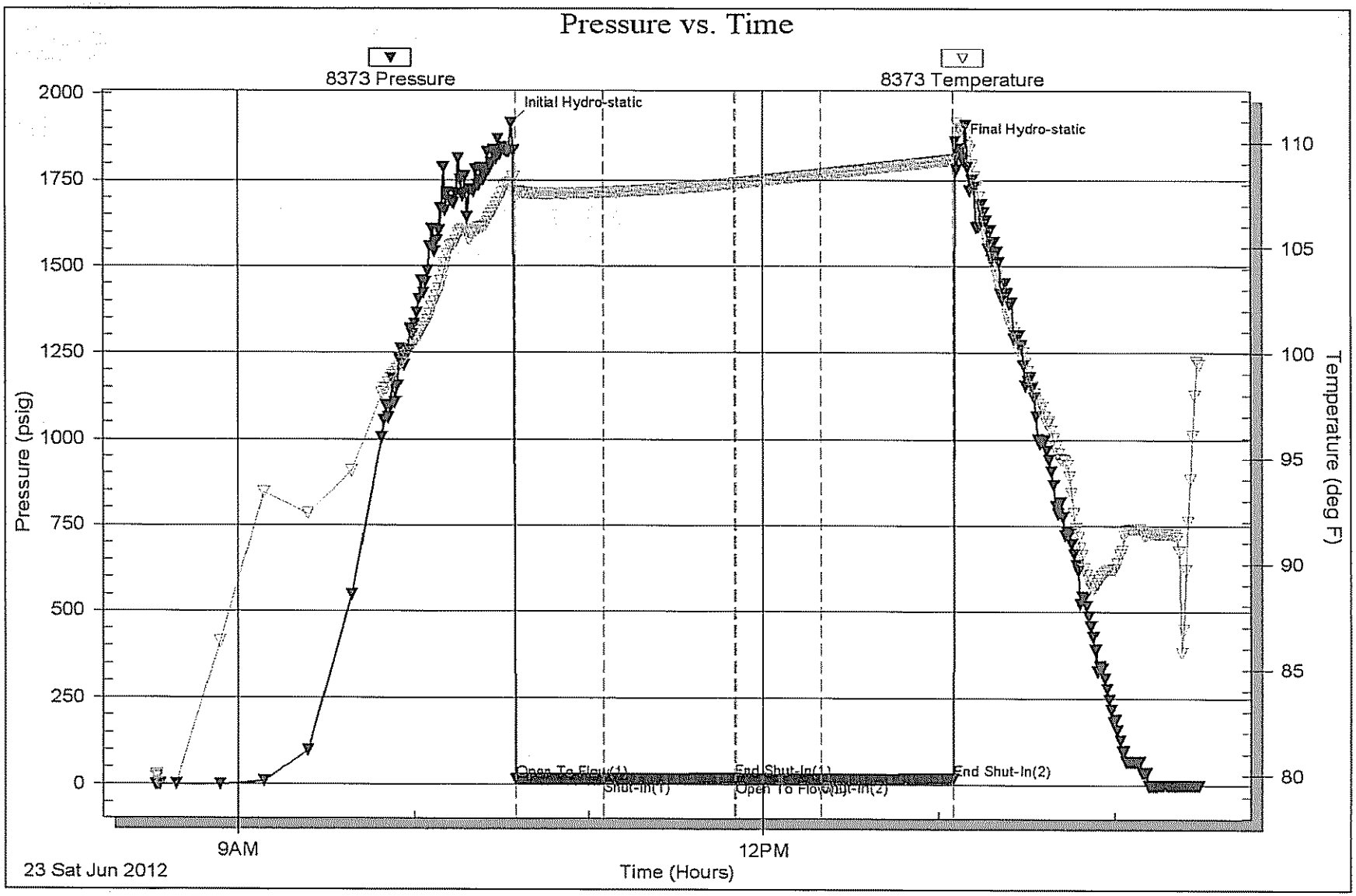
Total Length: 1.00 ft Total Volume: 0.005 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8373 Inside Lario Oil & Gas Company Rose Turley unit 1-5 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 47988 Printed: 2012.06.24 @ 04:46:57

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Lario Oil & Gas Company
301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47988 DST#: 1

Test Start: 2012.06.23 @ 08:31:40

GENERAL INFORMATION:

Formation: LKC-I
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:34:40
Time Test Ended: 14:29:10

Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 60

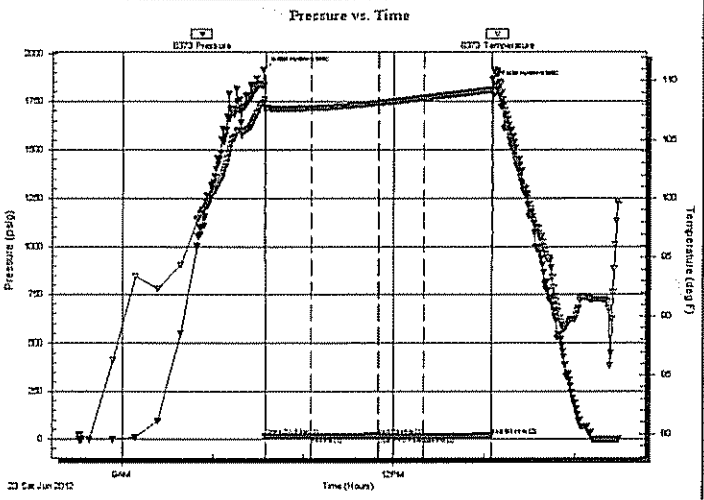
Interval: 3906.00 ft (KB) To 3930.00 ft (KB) (TVD)
Total Depth: 3930.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2797.00 ft (KB)
2792.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8373 **Inside**

Press@RunDepth:	15.49 psig @	3907.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2012.06.23	End Date:	2012.06.23	Last Calib.:	2012.06.23
Start Time:	08:31:45	End Time:	14:29:09	Time On Btm:	2012.06.23 @ 10:33:10
				Time Off Btm:	2012.06.23 @ 13:06:25

TEST COMMENT: IF: Surface blow died in 3 min.
IS: No return.
FF: No blow .
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1914.40	108.09	Initial Hydro-static
2	15.02	107.41	Open To Flow (1)
32	15.91	107.65	Shut-In(1)
77	19.04	108.08	End Shut-In(1)
77	14.86	108.08	Open To Flow (2)
107	15.49	108.51	Shut-In(2)
152	19.50	109.20	End Shut-In(2)
154	1839.07	110.91	Final Hydro-static

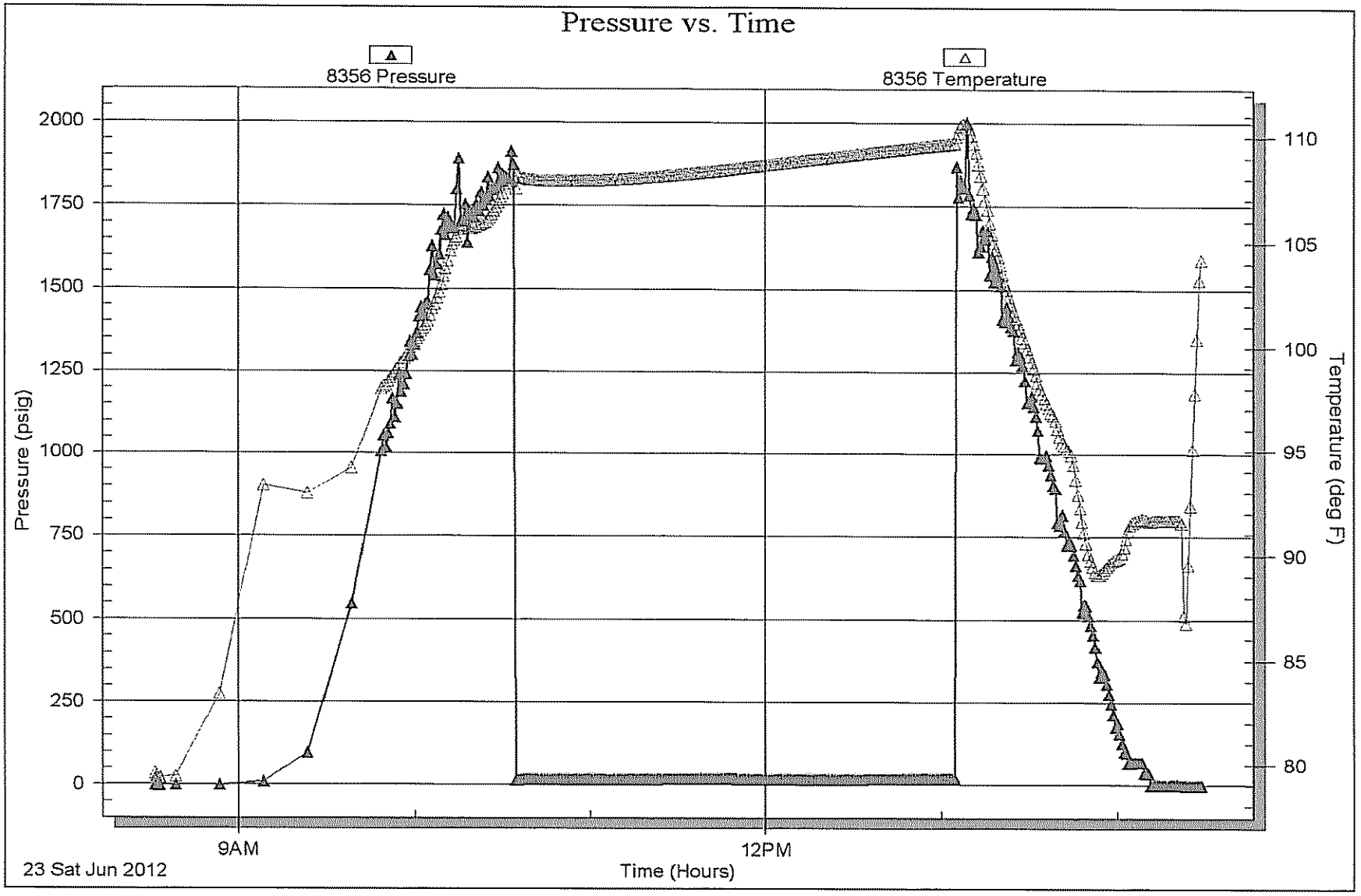
Recovery

Length (ft)	Description	Volume (bbl)
1.00	mud 100%m	0.00

Gas Rates

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

Serial #: 8356 Outside Lario Oil & Gas Company Rose Turley unit 1-5 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 47988 Printed: 2012.06.24 @ 04:46:59

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Lario Oil & Gas Company
301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47989 DST#: 2

Test Start: 2012.06.24 @ 03:49:33

GENERAL INFORMATION:

Formation: **Lansing L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:26:48
Time Test Ended: 09:21:03

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60

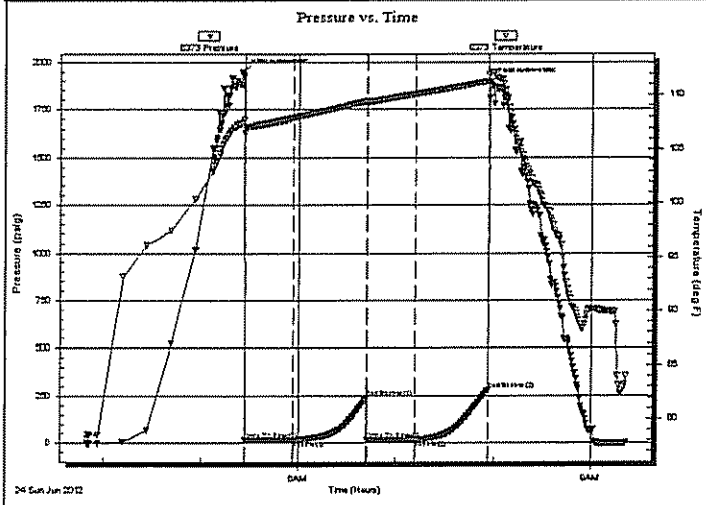
Interval: **3994.00 ft (KB) To 4035.00 ft (KB) (TVD)**
Total Depth: 4035.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2797.00 ft (KB)
2792.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8373 **Inside**

Press@RunDepth:	18.76 psig @	3995.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2012.06.24	End Date:	2012.06.24	Last Calib.:	2012.06.24
Start Time:	03:49:38	End Time:	09:21:02	Time On Btm:	2012.06.24 @ 05:25:18
				Time Off Btm:	2012.06.24 @ 07:57:48

TEST COMMENT: IF: Weak 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	1948.86	107.42	Initial Hydro-static
2	16.70	106.52	Open To Flow (1)
32	18.22	107.91	Shut-In(1)
77	237.50	109.47	End Shut-In(1)
77	17.00	109.32	Open To Flow (2)
107	18.76	110.11	Shut-In(2)
152	278.88	111.31	End Shut-In(2)
153	1895.16	112.19	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)

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Lario Oil & Gas Company
301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47989 DST#: 2

Test Start: 2012.06.24 @ 03:49:33

GENERAL INFORMATION:

Formation: **Lansing L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:26:48
Time Test Ended: 09:21:03

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60

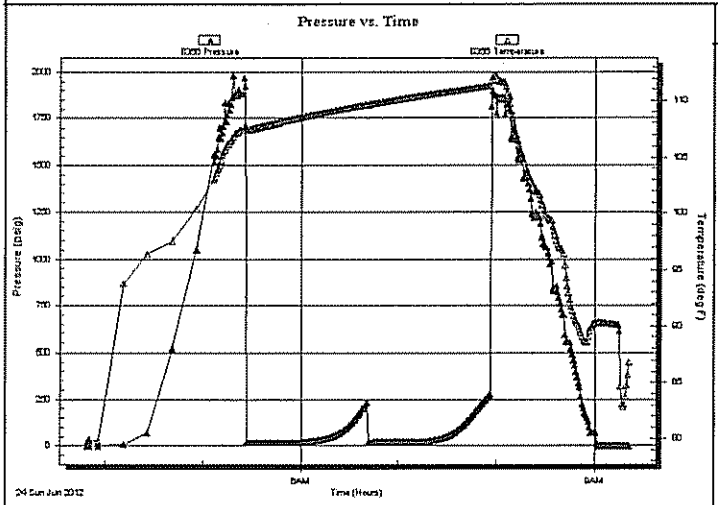
Interval: 3994.00 ft (KB) To 4035.00 ft (KB) (TVD)
Total Depth: 4035.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2797.00 ft (KB)
2792.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8356 **Outside**

Press@RunDepth:	psig @	3995.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2012.06.24	End Date:	2012.06.24	Last Calib.:	2012.06.24
Start Time:	03:49:13	End Time:	09:20:52	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF: Weak blow died in 5 min.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

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)

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

Lario Oil & Gas Company

301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47989 DST#: 2

Test Start: 2012.06.24 @ 03:49:33

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:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.20 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

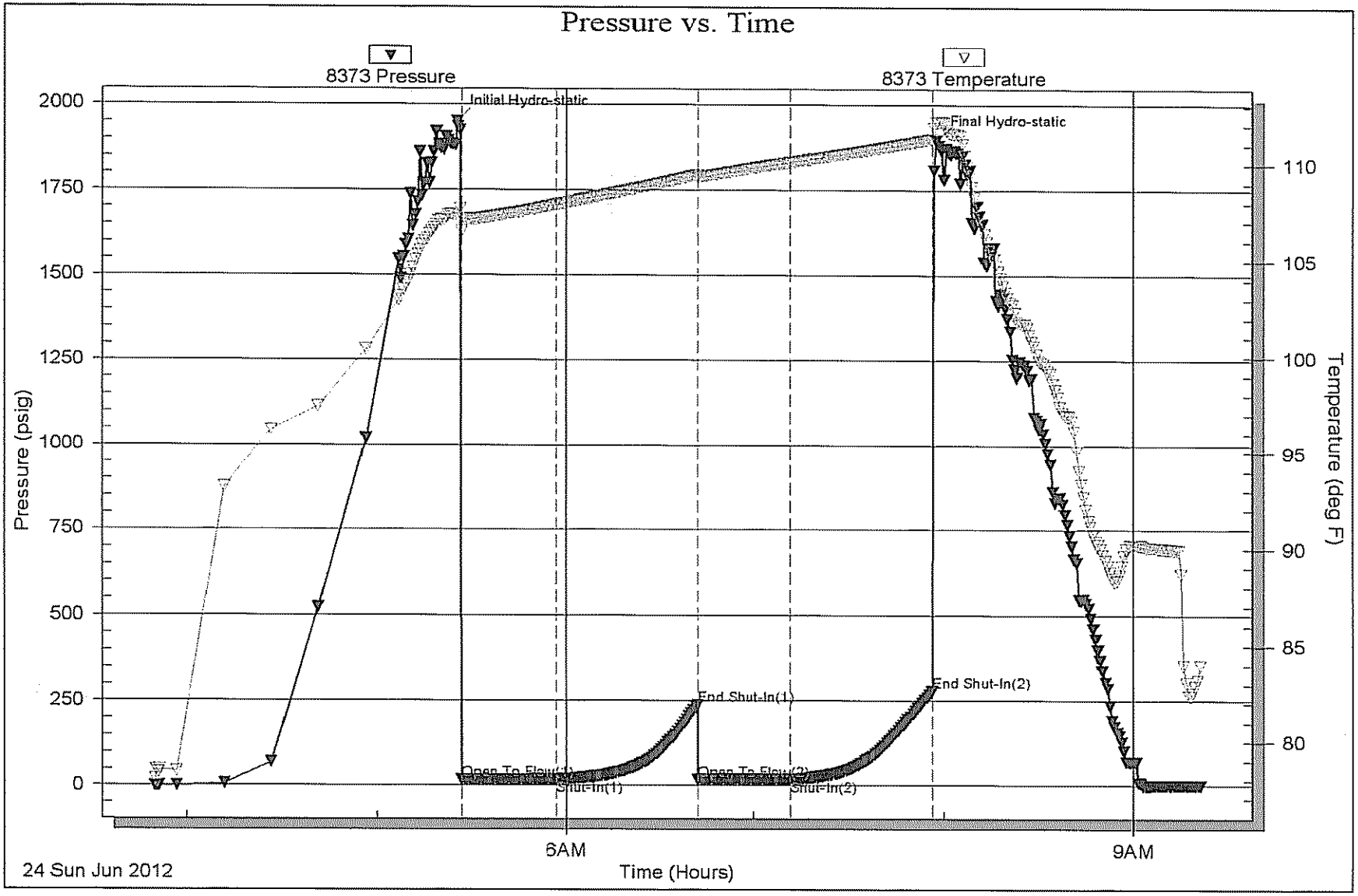
Total Length: 5.00 ft Total Volume: 0.025 bbl

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

Laboratory Name: Laboratory Location:

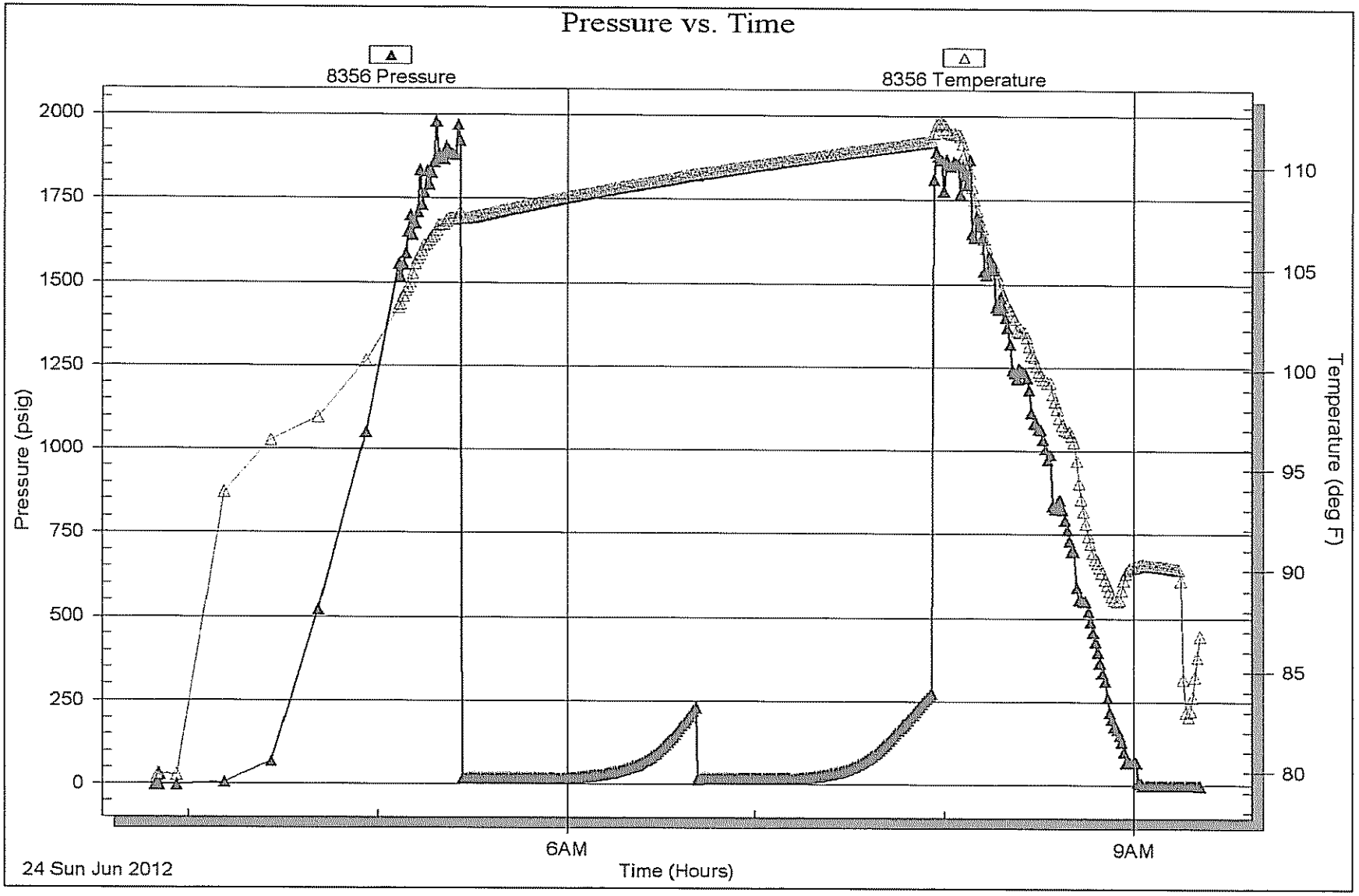
Recovery Comments:

Serial #: 8373 Inside Lario Oil & Gas Company Rose Turley unit 1-5 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 47989 Printed: 2012.06.24 @ 23:26:25

Serial #: 8356 Outside Lario Oil & Gas Company Rose Turley unit 1-5 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 47989 Printed: 2012.06.24 @ 23:26:25

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Lario Oil & Gas Company
301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47990 DST#: 3

Test Start: 2012.06.24 @ 18:20:08

GENERAL INFORMATION:

Formation: **Marmaton A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:08:53
Time Test Ended: 00:13:38

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60

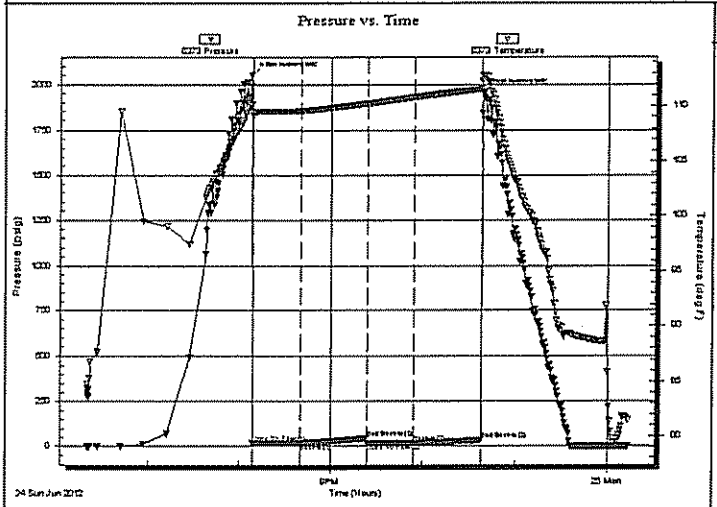
Interval: 4048.00 ft (KB) To 4112.00 ft (KB) (TVD)
Total Depth: 4112.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2797.00 ft (KB)
2792.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8373 **Inside**

Press@RunDepth:	19.26 psig @	4049.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2012.06.24	End Date:	2012.06.25	Last Calib.:	2012.06.25
Start Time:	18:20:13	End Time:	00:13:37	Time On Btm:	2012.06.24 @ 20:07:53
				Time Off Btm:	2012.06.24 @ 22:38:38

TEST COMMENT: IF: Surface 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	2053.46	110.17	Initial Hydro-static
1	17.74	109.08	Open To Flow (1)
32	19.63	109.51	Shut-In(1)
76	44.90	110.21	End Shut-In(1)
76	18.66	110.19	Open To Flow (2)
107	19.26	110.77	Shut-In(2)
150	33.20	111.53	End Shut-In(2)
151	1955.67	112.82	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)

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Lario Oil & Gas Company
301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47990 DST#: 3

Test Start: 2012.06.24 @ 18:20:08

GENERAL INFORMATION:

Formation: **Marmaton A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:08:53
Time Test Ended: 00:13:38

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60

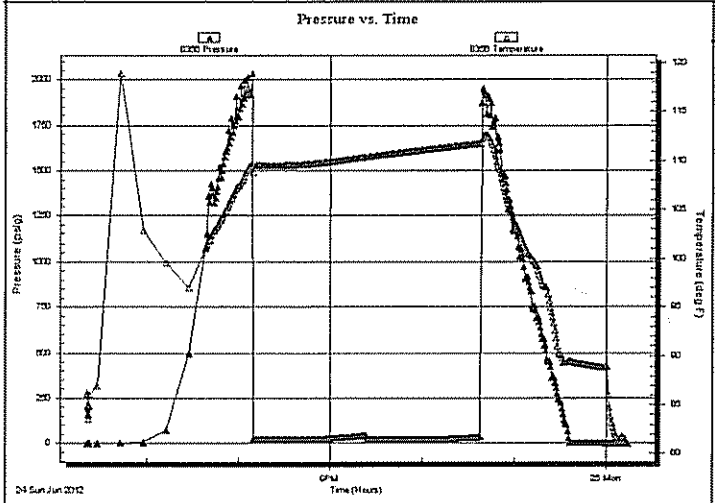
Interval: 4048.00 ft (KB) To 4112.00 ft (KB) (TVD)
Total Depth: 4112.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2797.00 ft (KB)
2792.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8356 **Outside**

Press@RunDepth:	psig @	4049.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2012.06.24	End Date:	2012.06.25	Last Calib.:	2012.06.25
Start Time:	18:20:48	End Time:	00:14:12	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF: Surface blow died in 6 min.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

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)

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

Lario Oil & Gas Company

301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47990 DST#: 3

Test Start: 2012.06.24 @ 18:20:08

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:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3700.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

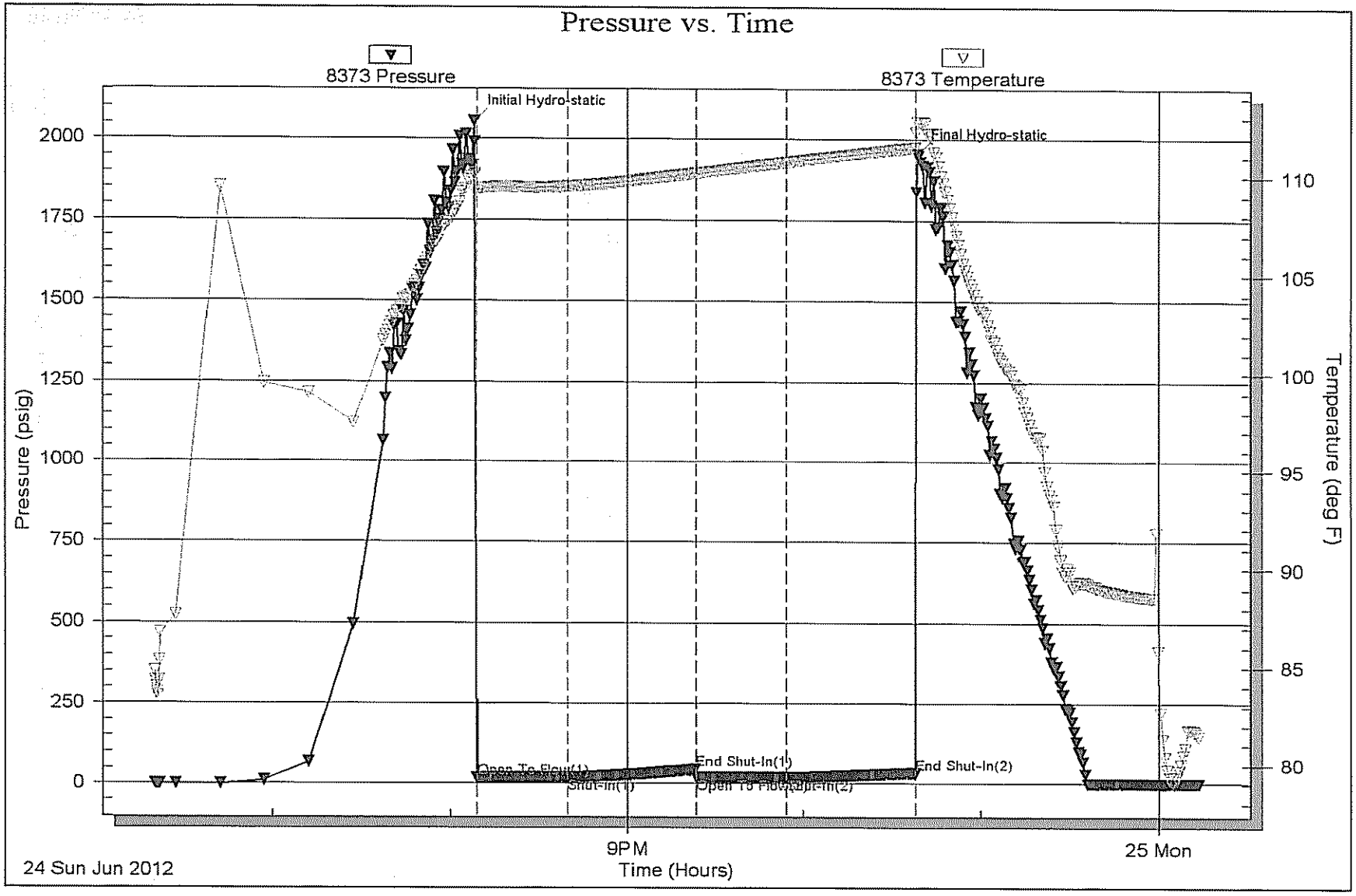
Total Length: 5.00 ft Total Volume: 0.025 bbl

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

Laboratory Name: Laboratory Location:

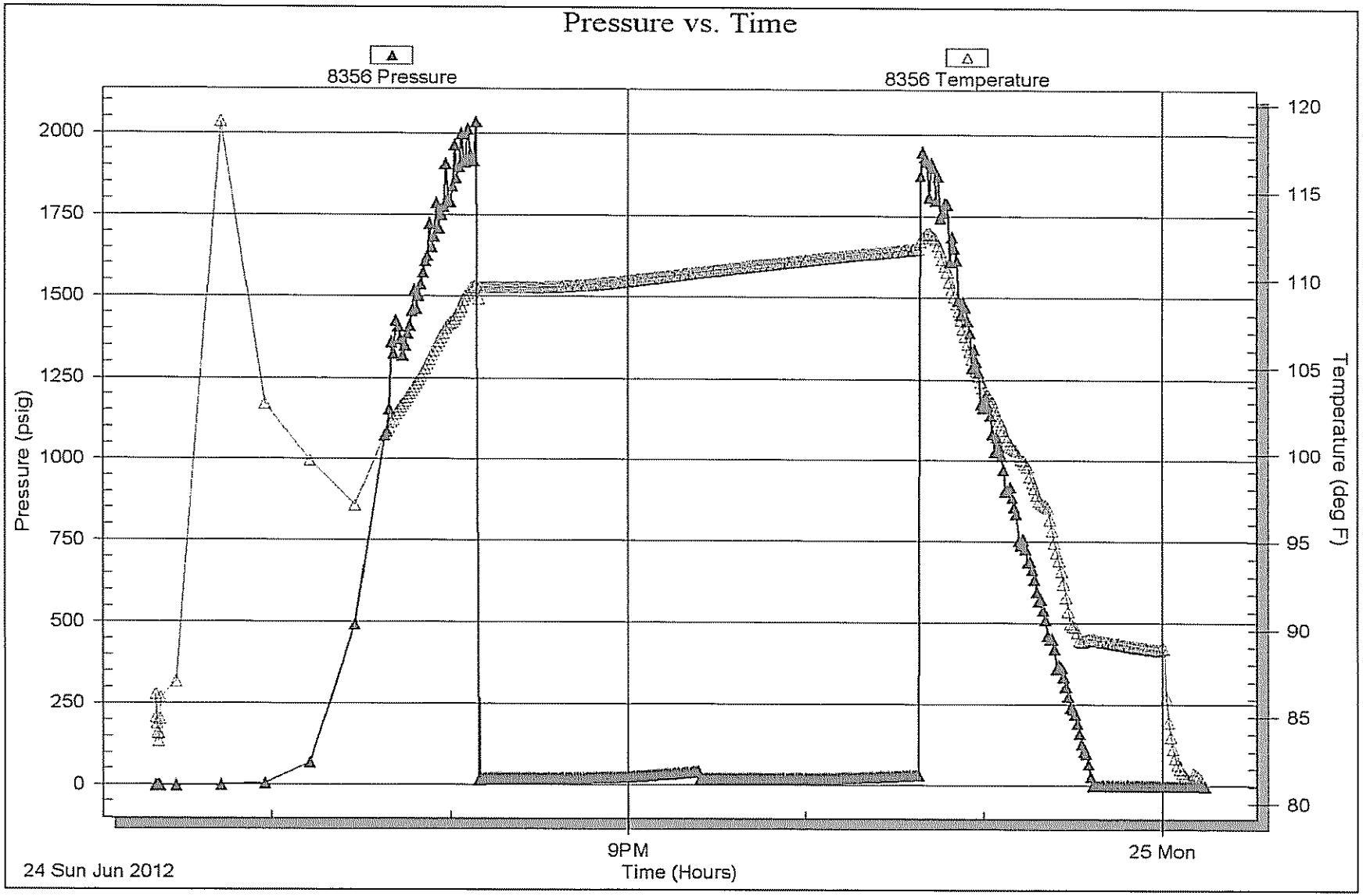
Recovery Comments:

Serial #: 8373 Inside Lario Oil & Gas Company Rose Turley unit 1-5 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 47990 Printed: 2012.06.25 @ 07:00:41

Serial #: 8356 Outside Lario Oil & Gas Company Rose Turley unit 1-5 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 47990 Printed: 2012.06.25 @ 07:00:41

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Lario Oil & Gas Company
301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47991 **DST#: 4**

Test Start: 2012.06.25 @ 12:46:27

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:21:57
Time Test Ended: 18:29:27

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60

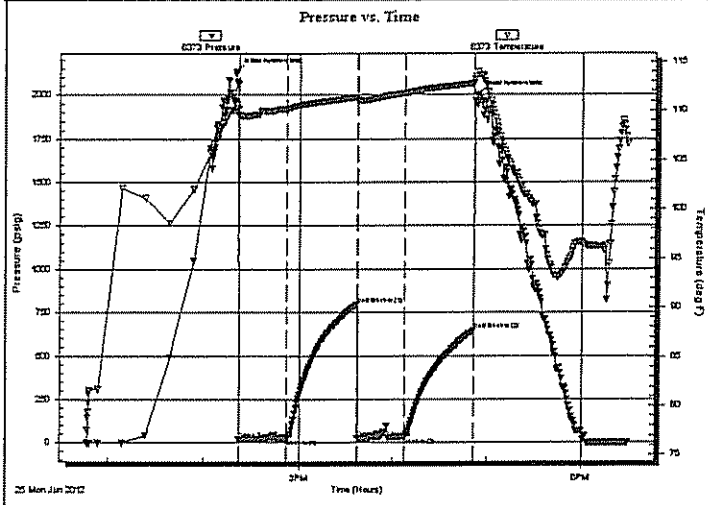
Interval: 4152.00 ft (KB) To 4237.00 ft (KB) (TVD)
Total Depth: 4237.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2797.00 ft (KB)
2792.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8373 **Inside**

Press@RunDepth:	28.50 psig @	4153.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2012.06.25	End Date:	2012.06.25	Last Calib.:	2012.06.25
Start Time:	12:46:32	End Time:	18:29:26	Time On Btm:	2012.06.25 @ 14:20:27
				Time Off Btm:	2012.06.25 @ 16:53:42

TEST COMMENT: IF: Weak blow died in 4 min.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2136.63	110.27	Initial Hydro-static
2	19.04	109.34	Open To Flow (1)
32	23.47	110.12	Shut-In(1)
77	795.13	111.36	End Shut-In(1)
77	25.88	110.92	Open To Flow (2)
107	28.50	111.73	Shut-In(2)
152	644.13	112.78	End Shut-In(2)
154	2000.97	113.53	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)

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Lario Oil & Gas Company
301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47991 **DST#: 4**

Test Start: 2012.06.25 @ 12:46:27

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:21:57
Time Test Ended: 18:29:27

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60

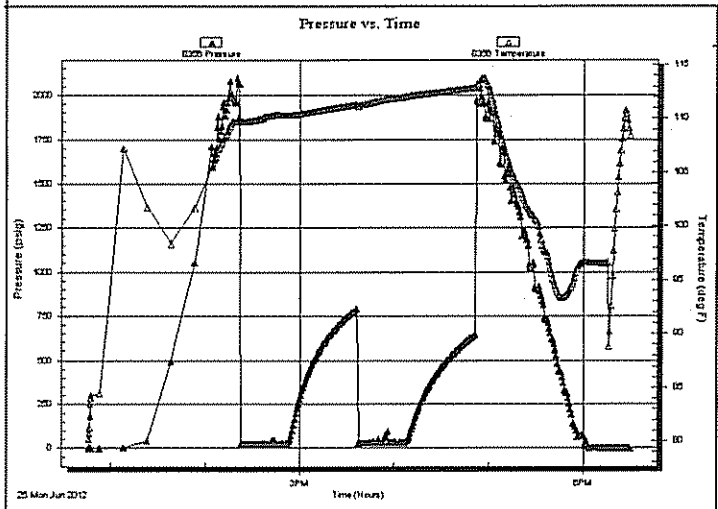
Interval: 4152.00 ft (KB) To 4237.00 ft (KB) (TVD)
Total Depth: 4237.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2797.00 ft (KB)
2792.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8356 **Outside**

Press@RunDepth:	psig @	4153.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2012.06.25	End Date:	2012.06.25	Last Calib.:	2012.06.25
Start Time:	12:46:21	End Time:	18:29:15	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF: Weak blow died in 4 min.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

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)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company
301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47991 DST#: 4

Test Start: 2012.06.25 @ 12:46:27

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:	9.58 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

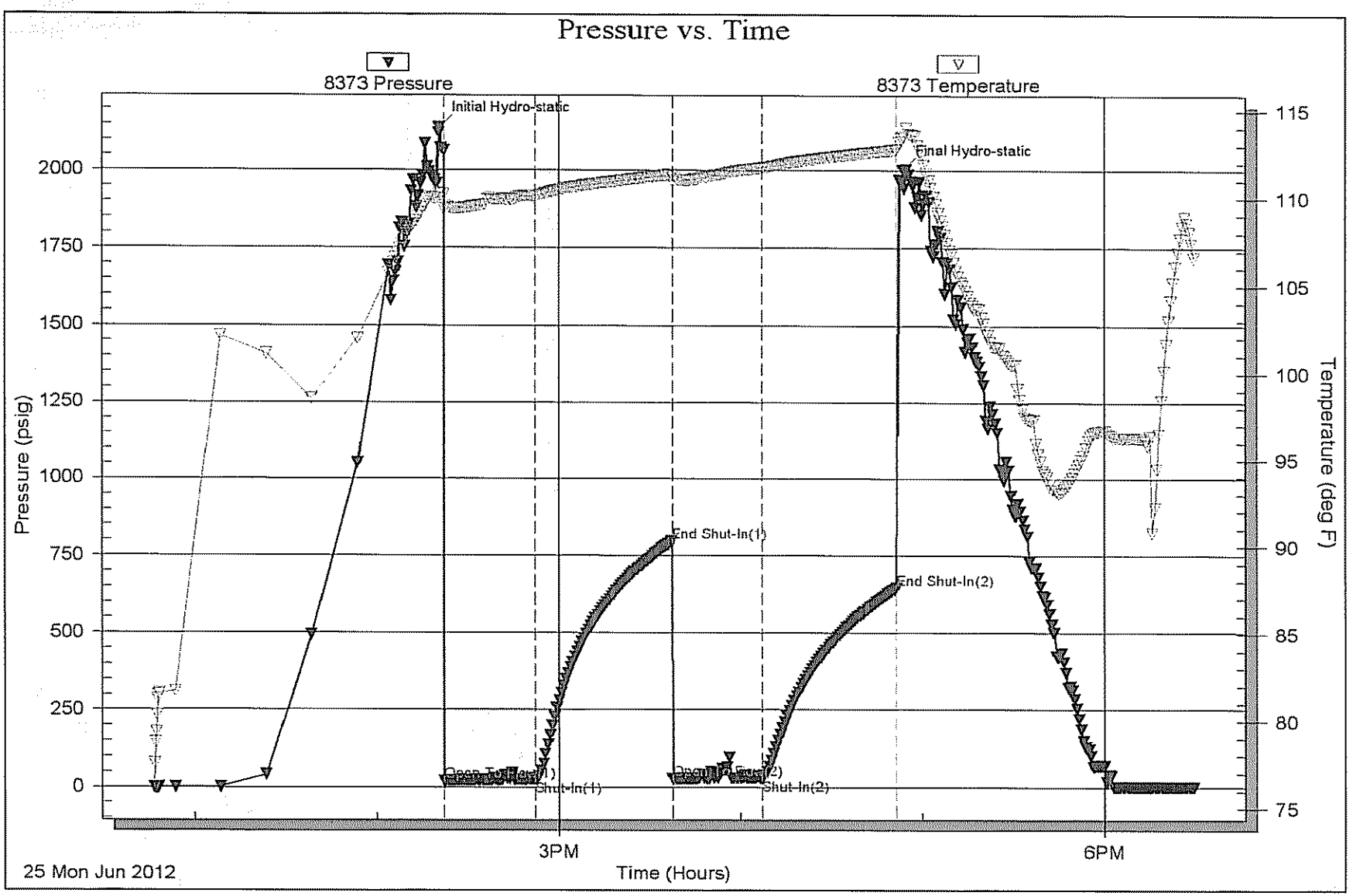
Total Length: 5.00 ft Total Volume: 0.025 bbl

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

Laboratory Name: Laboratory Location:

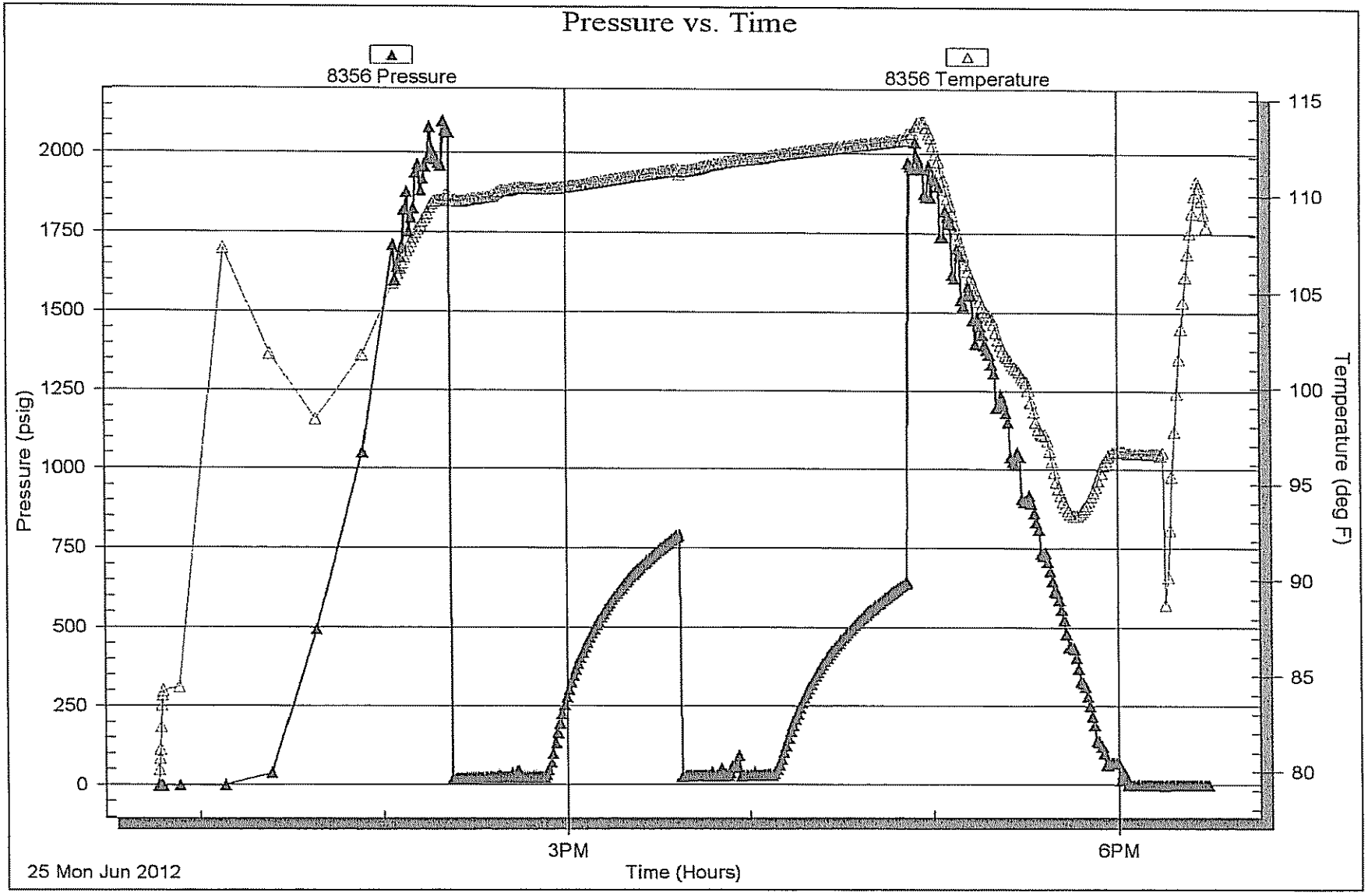
Recovery Comments:

Serial #: 8373 Inside Lario Oil & Gas Company Rose Turley unit 1-5 DST Test Number: 4



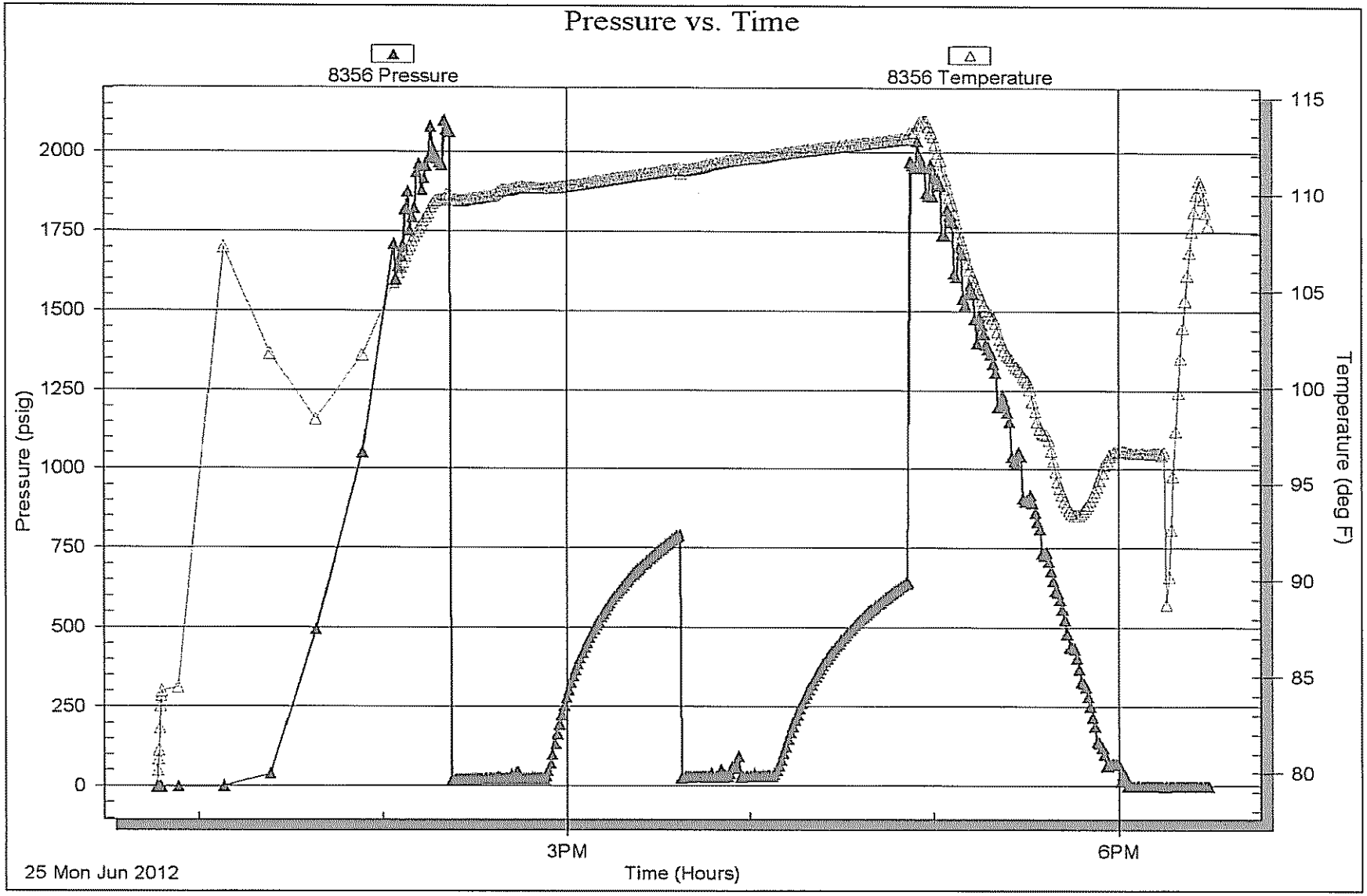
Trilobite Testing, Inc Ref. No: 47991 Printed: 2012.06.25 @ 23:24:58

Serial #: 8356 Outside Lario Oil & Gas Company Rose Turley unit 1-5 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 47991 Printed: 2012.06.25 @ 23:24:58

Serial #: 8356 Outside Lario Oil & Gas Company Rose Turley unit 1-5 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 47991 Printed: 2012.06.25 @ 23:24:58

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Lario Oil & Gas Company
301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47992 DST#: 5

Test Start: 2012.06.26 @ 04:09:52

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:02:47
Time Test Ended: 10:04:01

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60

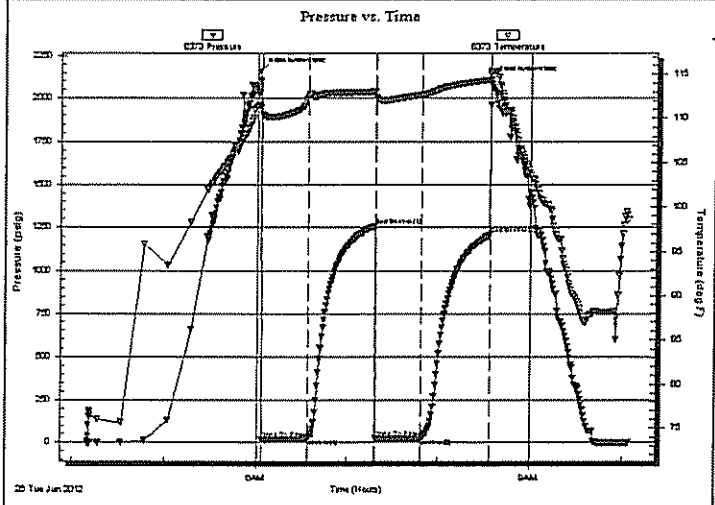
Interval: 4266.00 ft (KB) To 4314.00 ft (KB) (TVD)
Total Depth: 4314.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2797.00 ft (KB)
2792.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8373 **Inside**

Press@RunDepth:	26.34 psig @	4267.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2012.06.26	End Date:	2012.06.26	Last Calib.:	2012.06.26
Start Time:	04:09:52	End Time:	10:04:01	Time On Btm:	2012.06.26 @ 06:01:32
				Time Off Btm:	2012.06.26 @ 08:34:01

TEST COMMENT: IF: Surface 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	2159.59	111.56	Initial Hydro-static
2	17.19	110.44	Open To Flow (1)
32	22.38	112.50	Shut-In(1)
77	1257.28	113.04	End Shut-In(1)
77	23.14	112.42	Open To Flow (2)
107	26.34	112.68	Shut-In(2)
152	1204.49	114.40	End Shut-In(2)
153	2108.98	115.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	free oil 100%o	0.00
5.00	mud oil spots 100%m	0.02

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC.

Lario Oil & Gas Company
301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47992 DST#: 5

Test Start: 2012.06.26 @ 04:09:52

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:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	free oil 100%o	0.005
5.00	mud oil spots 100%m	0.025

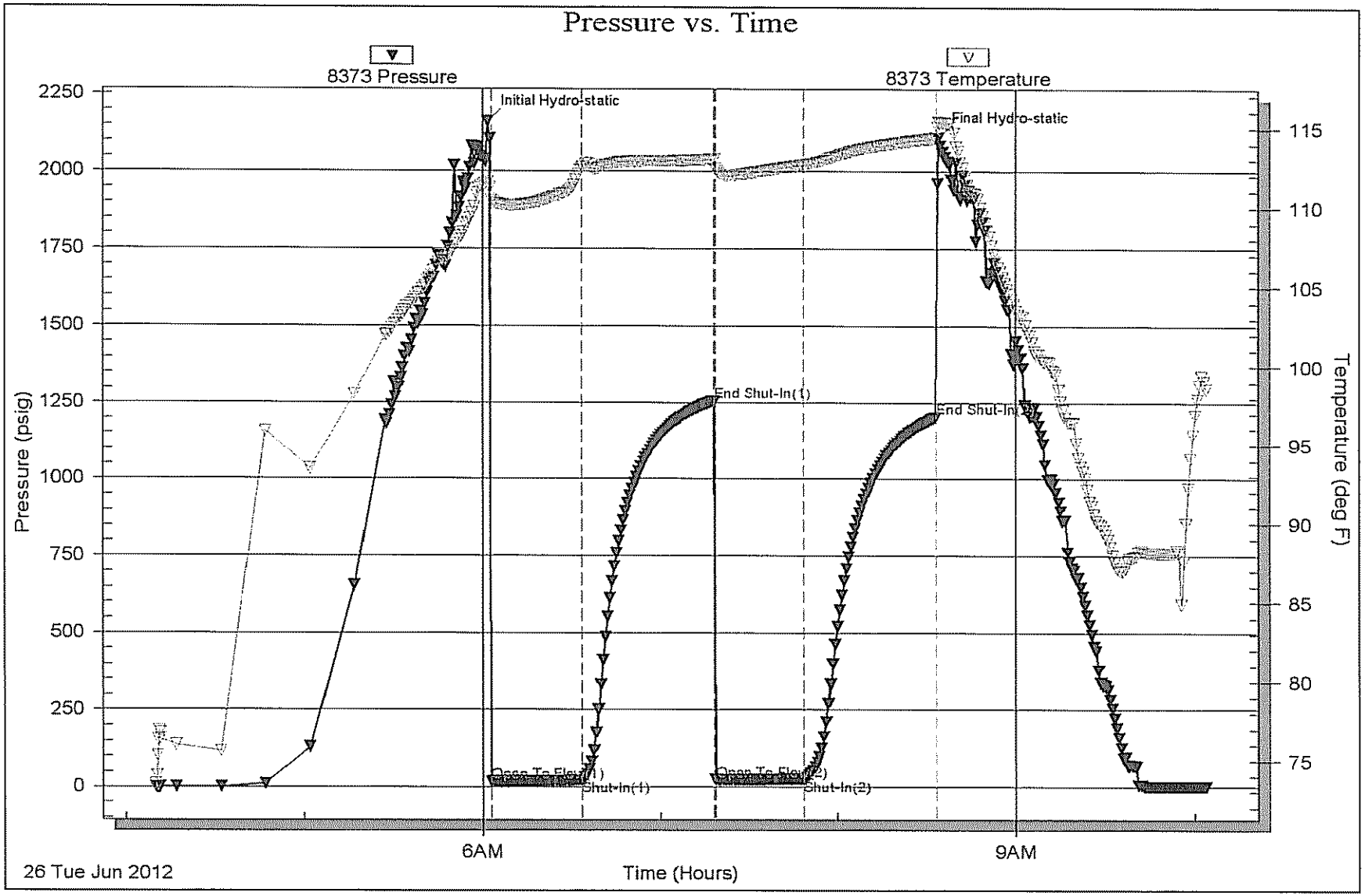
Total Length: 6.00 ft Total Volume: 0.030 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8373 Inside Lario Oil & Gas Company Rose Turley unit 1-5 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 47992 Printed: 2012.06.26 @ 11:31:02

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Lario Oil & Gas Company
301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47993 DST#: 6

Test Start: 2012.06.26 @ 19:23:10

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:15:10
Time Test Ended: 02:26:40

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60

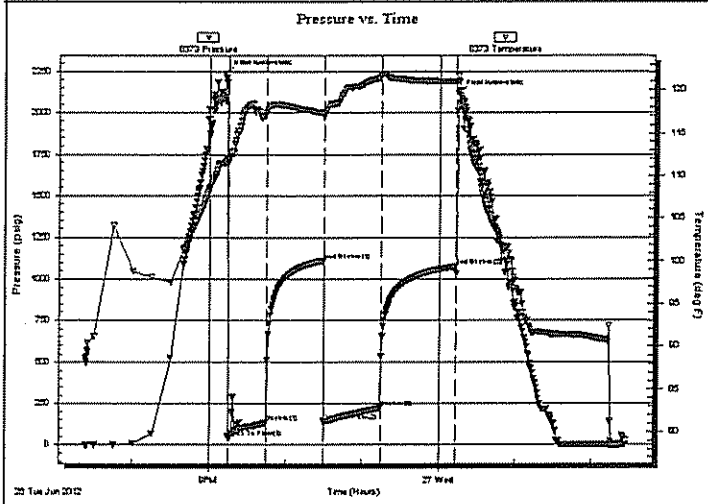
Interval: 4312.00 ft (KB) To 4374.00 ft (KB) (TVD)
Total Depth: 4374.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2797.00 ft (KB)
2792.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8373 **Inside**

Press@RunDepth:	222.65 psig @	4313.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2012.06.26	End Date:	2012.06.27	Last Calib.:	2012.06.27
Start Time:	19:23:15	End Time:	02:26:39	Time On Btm:	2012.06.26 @ 21:12:55
				Time Off Btm:	2012.06.27 @ 00:14:55

TEST COMMENT: IF: 1/4 blow BOB in 18 min.
IS: No return.
FF: Surface blow BOB in 24 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2236.74	111.62	Initial Hydro-static
3	44.93	111.62	Open To Flow (1)
33	135.01	117.25	Shut-In(1)
77	1110.82	117.34	End Shut-In(1)
78	141.57	117.06	Open To Flow (2)
122	222.65	121.59	Shut-In(2)
181	1075.30	121.00	End Shut-In(2)
182	2114.38	121.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw 60%w 40%m	1.49
263.00	w cm 15%w 85%m	3.69

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC.

Lario Oil & Gas Company

301 S. Market St
Wichita, KS 67202

ATTN: Steve Davis

5-15-32 Logan, Ks

Rose Turley unit 1-5

Job Ticket: 47993 **DST#: 6**

Test Start: 2012.06.26 @ 19:23:10

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:	22000 ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.39 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4400.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	mcw 60%w 40%m	1.489
263.00	w cm 15%w 85%m	3.689

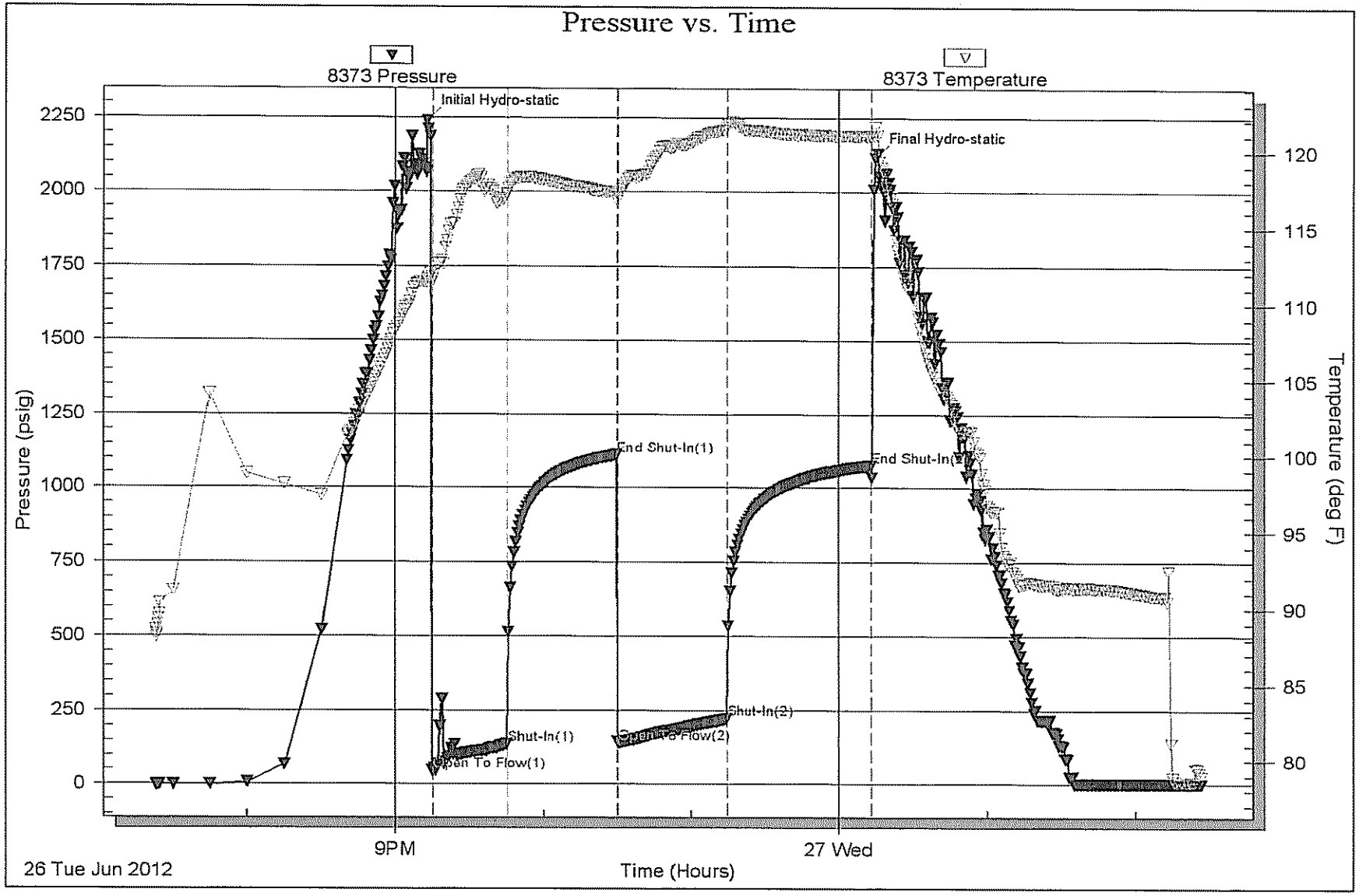
Total Length: 449.00 ft Total Volume: 5.178 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .27@80=22000

Serial #: 8373 Inside Lario Oil & Gas Company Rose Turley unit 1-5 DST Test Number: 6



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