



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1084040
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____

(e.g. xx.xxxxx)

(e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1084040

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

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

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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 <i>(Amount and Kind of Material Used)</i>	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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Hanna Unit 1-15
Doc ID	1084040

Tops

Name	Top	Datum
Heebner	3929	-1030
Lansing	3965	-1066
Stark Shale	4209	-1310
Hushpuckney	4246	-1347
Base KC	4292	-1393
Marmaton	4342	-1443
Pawnee	4412	-1513
Ft. Scott	4441	-1542
Johnson	4542	-1643
Morrow	4562	-1663
Basal Penn	4595	-1696
Mississippian	4596	-1697

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

June 28, 2012

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

Re: ACO1
API 15-063-21992-00-00
Hanna Unit 1-15
NE/4 Sec.15-14S-31W
Gove 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



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 131370
Invoice Date: May 30, 2012
Page: 1

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



*Hanna Unit #1-15
Drilling
AFB-12-111
CK 4/11/12*

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	<i>Hanna</i> -Hawng Unit #1-15	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	May 30, 2012	6/29/12

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
157.54	SER	Cubic Feet	2.10	330.85
315.00	SER	Ton Miles	2.35	740.25
1.00	SER	Surface	1,125.00	1,125.00
40.00	SER	Heavy Vehicle Mileage	7.00	280.00
40.00	SER	Light Vehicle Mileage	4.00	160.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Dane Retzloff		
1.00	OPER ASSIST	Brandon Wilkinson		

Handwritten initials and signature

Subtotal	5,428.35
Sales Tax	224.78
Total Invoice Amount	5,653.13
Payment/Credit Applied	
TOTAL	5,653.13

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

\$ 1085.67

ONLY IF PAID ON OR BEFORE
Jun 24, 2012

ALLIED CEMENTING CO., LLC. 035398

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Oakley, KS
57711

DATE <u>5/30/12</u>	SEC. <u>15</u>	TWP. <u>14</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION	JOB START <u>12:00</u>	JOB FINISH <u>12:30</u>
LEASE <u>Hours unit</u>	WELL# <u>1-15</u>	LOCATION <u>Oakley 115 BEERS W. RD</u>			COUNTY <u>GOVE</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Murfin 20

TYPE OF JOB Surf Seal

HOLE SIZE 14 1/4 T.D. 226

CASING SIZE 8 7/8 DEPTH 226

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 150 Can

371 CC 271 gal

COMMON 150 @ 16.25 2437.50

POZMIX @

GEL 3 @ 21.25 63.75

CHLORIDE 5 @ 57.20 286.00

ASC @

HANDLING 157.547 CF @ 2.10 330.25

MILEAGE 21.5 @ 2.40 51.60

TOTAL 3863.35

EQUIPMENT

PUMP TRUCK CEMENTER Alan

431 HELPER Dave

BULK TRUCK

347 DRIVER Brandon

BULK TRUCK

DRIVER

REMARKS:

Drill Hole, Run Log, Gravelate, Mix Cement

Displace Cement

Cement Ad. Gravelate

Franklin Alan
Andy Hamilton

SERVICE

DEPTH OF JOB 226 FT

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE 40 @ 7.00 280.00

MANIFOLD @ 240.00

EST Vehicle - 40 @ 4.00 160.00

TOTAL 1565.00

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

CHARGE TO: Lario 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 Breg Condren

SIGNATURE Breg Condren

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

PO Box 93999
Southlake, TX 76092

Invoice Number: 131505
Invoice Date: Jun 10, 2012
Page: 1

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



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

*drilling AFE 12-111
6-25-12 LR*

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Lario	Hanna Unit 1-15	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Jun 10, 2012	7/10/12

Quantity	Item	Description	Unit Price	Amount
132.00	MAT	Class A Common	16.25	2,145.00
88.00	MAT	Pozmix	8.50	748.00
8.00	MAT	Gel	21.25	170.00
55.00	MAT	FloSeal	2.70	148.50
236.29	SER	Cubic Feet	2.10	496.21
394.80	SER	Ton Miles	2.35	927.78
1.00	SER	Plug To Abandon	1,250.00	1,250.00
40.00	SER	Heavy Vehicle Mileage	7.00	280.00
40.00	SER	Light Vehicle Mileage	4.00	160.00
1.00	EQP	4 1/2 Wooden Plug	92.00	92.00
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Dane Retzloff		
1.00	OPER ASSIST	Chris Helpingstine		

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

\$ 1283.50

ONLY IF PAID ON OR BEFORE
Jul 5, 2012

Subtotal	6,417.49
Sales Tax	516.61
Total Invoice Amount	6,934.10
Payment/Credit Applied	
TOTAL	6,934.10

ALLIED CEMENTING CO., LLC. 034498

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Oakley, KS

DATE <u>6-70-12</u>	SEC. <u>15</u>	TWP. <u>14</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>7:30pm</u>	JOB START <u>7:30pm</u>	JOB FINISH <u>10:30pm</u>
LEASE Unit <u>Hanna</u>	WELL# <u>1-15</u>	LOCATION <u>Oakley, KS 115, SE, 85</u>			COUNTY <u>Cove</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)				<u>Winfo</u>			

CONTRACTOR Martin 20 OWNER Same

TYPE OF JOB PTA
 HOLE SIZE 2 7/8 T.D. 4700' CEMENT AMOUNT ORDERED 220 sks 60/40 48 gal
 CASING SIZE _____ DEPTH _____ 1/4" float seal
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 2375'

TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____

DISPLACEMENT 30.22
 EQUIPMENT _____

COMMON	<u>132 sks</u>	@ <u>16.25</u>	<u>2145.00</u>
POZMIX	<u>88 sks</u>	@ <u>8.50</u>	<u>748.00</u>
GEL	<u>85 L</u>	@ <u>21.25</u>	<u>1780.00</u>
CHLORIDE		@	
ASC		@	
<u>Float seal</u>	<u>55 #</u>	@ <u>2.70</u>	<u>148.50</u>
HANDLING	<u>236.27 sks</u>	@ <u>2.10</u>	<u>496.21</u>
MILEAGE	<u>9.87 hours</u>	@ <u>235</u>	<u>232.78</u>
TOTAL			<u>4635.49</u>

PUMP TRUCK CEMENTER Laraine Wentz
 # 437 HELPER Dave Retzloff
 BULK TRUCK DRIVER Chris Helping
 # 404 DRIVER _____

REMARKS:

mix 25 sks cement at 2325'
mix 100 sks cement at 1927'
mix 400 sks cement at 2951 40'
mix 10 sks cement top of hole w/ plug
leg mouse hole 15 sks
leg rat hole 30 sks

Frank Jones

SERVICE

DEPTH OF JOB	<u>2375'</u>		
PUMP TRUCK CHARGE			<u>1250.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>40</u>	@ <u>7.00</u>	<u>280.00</u>
MANIFOLD		@	
<u>L.U. mileage</u>	<u>40</u>	@ <u>4.00</u>	<u>160.00</u>
TOTAL			<u>1670.00</u>

CHARGE TO: Laris Oil & Gas Co
 STREET _____
 CITY _____ STATE _____ ZIP _____

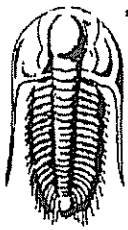
PLUG & FLOAT EQUIPMENT

<u>Wooden plug</u>	@	<u>92.00</u>
	@	
	@	
	@	
	@	
TOTAL		<u>92.00</u>

SALES TAX (if Any) _____
 TOTAL CHARGES 6,417.49
 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 BREG Condren
 SIGNATURE Breg Condren



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

S15-14s-31w Gove, ks

301 south market
Wichita, Ks 67202

Hanna Unit #1-15

Job Ticket: 46655

DST#: 1

ATTN: Brad Rine

Test Start: 2012.06.04 @ 11:01:02

GENERAL INFORMATION:

Formation: LKC "D"

Deviated: No Whipstock ft (KB)

Time Tool Opened: 13:23:19

Time Test Ended: 18:24:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: 4029.00 ft (KB) To 4050.00 ft (KB) (TVD)

Total Depth: 4050.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2899.00 ft (KB)

2888.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8018

Inside

Press@RunDepth: 18.39 psig @ 4032.00 ft (KB)

Start Date: 2012.06.04

End Date:

2012.06.04

Capacity: 8000.00 psig

Last Calib.: 2012.06.04

Start Time: 11:01:02

End Time:

18:24:30

Time On Blm: 2012.06.04 @ 13:22:00

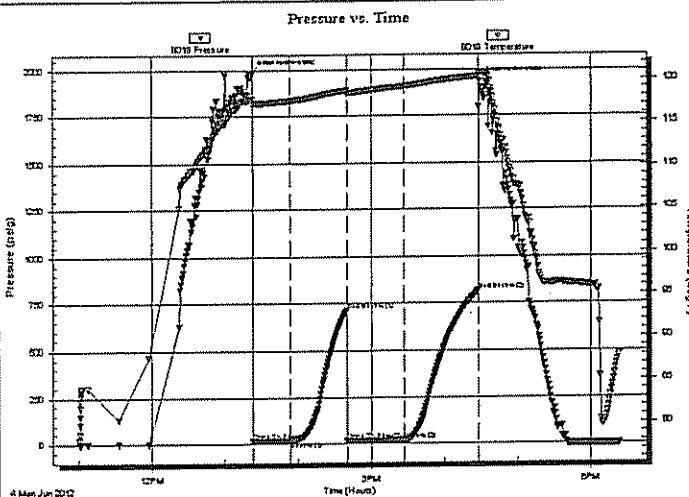
Time Off Blm: 2012.06.04 @ 16:28:50

TEST COMMENT: IF: Surface blow died @ 20 min.

IS: No return

FF: No blow

FSI: No return



PRESSURE SUMMARY

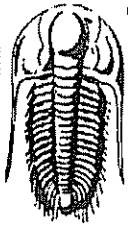
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1983.73	117.69	Initial Hydro-static
2	15.15	116.98	Open To Flow (1)
32	17.26	117.50	Shut-in(1)
79	712.82	118.66	End Shut-in(1)
79	16.82	118.30	Open To Flow (2)
125	18.39	119.15	Shut-in(2)
186	816.19	120.32	End Shut-in(2)
187	1937.31	120.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M 100m	0.02

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

S15-14s-31w Gove, ks

301 south market
Wichita, Ks 67202

Hanna Unit #1-15

Job Ticket: 46655

DST#: 1

ATTN: Brad Rine

Test Start: 2012.06.04 @ 11:01:02

GENERAL INFORMATION:

Formation: LKC "D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:23:19

Time Test Ended: 18:24:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: 4029.00 ft (KB) To 4050.00 ft (KB) (TVD)

Total Depth: 4050.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2899.00 ft (KB)

2888.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 4032.00 ft (KB)

Start Date: 2012.06.04

End Date:

2012.06.04

Capacity: 8000.00 psig

Last Calib.:

2012.06.04

Start Time: 11:01:02

End Time:

18:24:20

Time On Blm

Time Off Blm

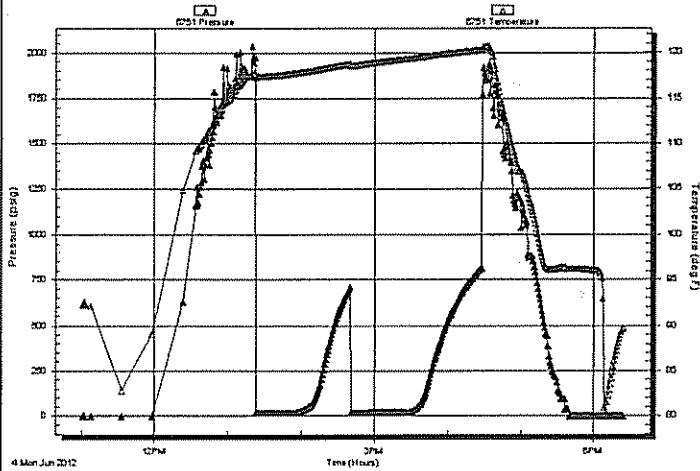
TEST COMMENT: IF: Surface blow died @ 20 min.

IS: No return

FF: No blow

FSI: No return

Pressure vs. Time



PRESSURE SUMMARY

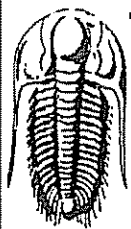
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M 100m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

S15-14s-31w Gove, ks

301 south market
Wichita, Ks 67202

Hanna Unit #1-15

Job Ticket: 46655

DST#: 1

ATTN: Brad Rine

Test Start: 2012.06.04 @ 11:01:02

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: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in²

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	M 100m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

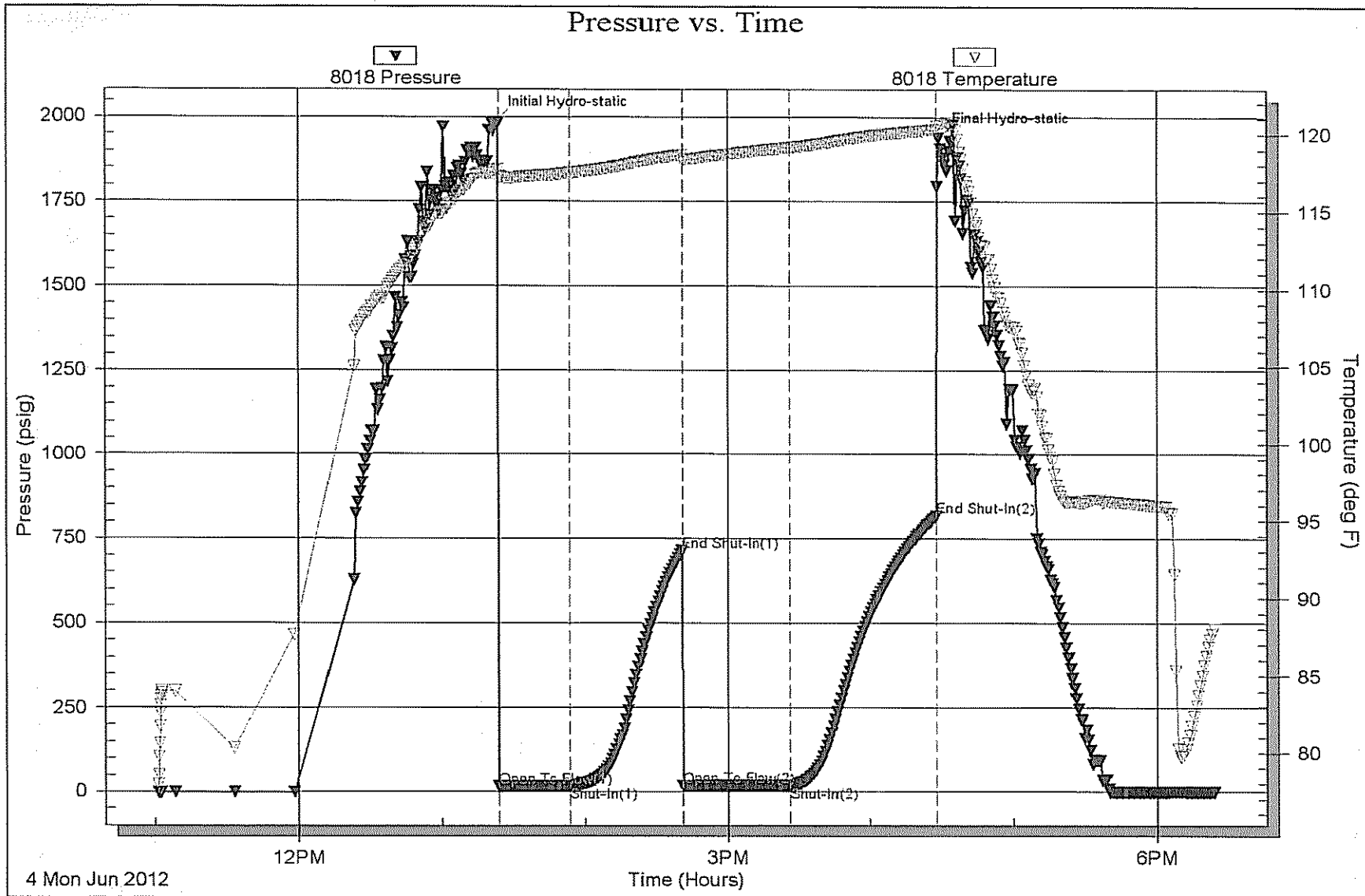
Num Gas Bombs: 0

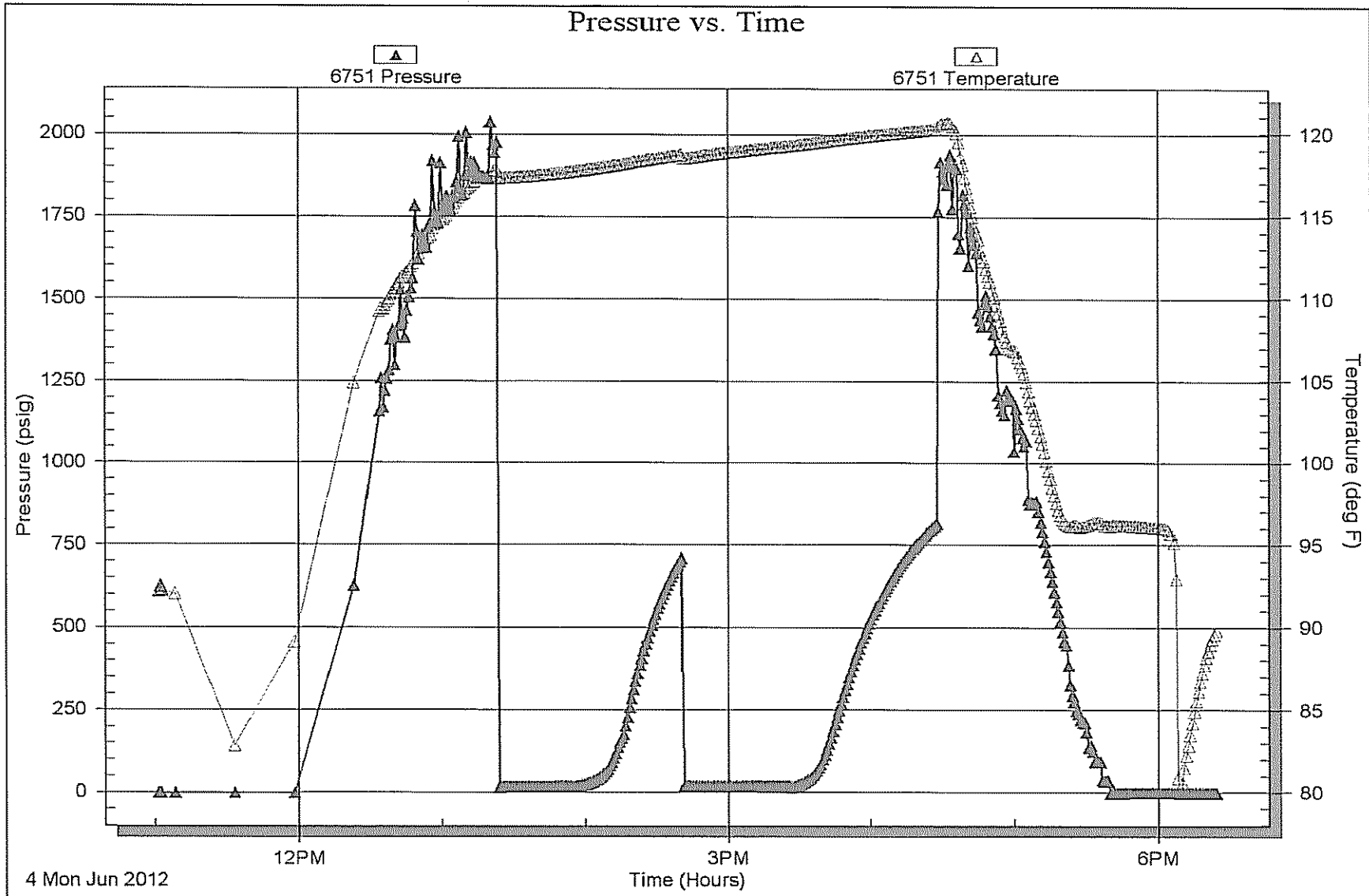
Serial #:

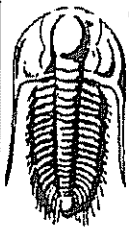
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRIBOLITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

S15-14s-31w Gove, ks

301 south market
Wichita, Ks 67202

Hanna Unit #1-15

Job Ticket: 46656

DST#: 2

ATTN: Brad Rine

Test Start: 2012.06.05 @ 12:13:00

GENERAL INFORMATION:

Formation: LKC "H"

Deviated: No Whipstock ft (KB)

Time Tool Opened: 14:04:40

Time Test Ended: 19:20:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4112.00 ft (KB) To 4155.00 ft (KB) (TVD)

Total Depth: 4155.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2899.00 ft (KB)

2888.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8018

Inside

Press@RunDepth: 366.04 psig @ 4113.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.05 End Date: 2012.06.05

Last Calib.: 2012.06.05

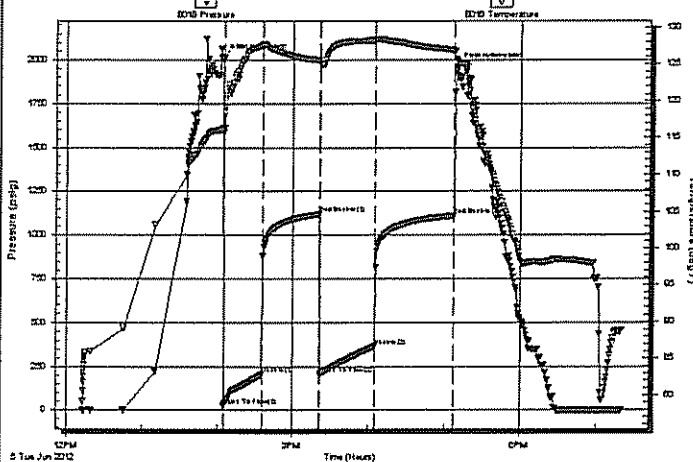
Start Time: 12:13:02 End Time: 19:20:40

Time On Blm: 2012.06.05 @ 14:03:00

Time Off Blm: 2012.06.05 @ 17:09:30

TEST COMMENT: IF: BOB @ 12 min.
IS: No return.
FF: BOB @ 15 min.
FS: No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2014.66	116.11	Initial Hydro-static
2	23.78	115.72	Open To Flow (1)
33	202.39	127.49	Shut-In(1)
78	1121.19	125.44	End Shut-In(1)
79	204.78	125.05	Open To Flow (2)
123	366.04	128.23	Shut-In(2)
184	1111.90	126.87	End Shut-In(2)
187	1961.79	125.49	Final Hydro-static

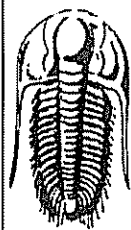
Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW .069 @ 90 Degrees F = 87000	pp0.00
508.00	MW 7m 93w Popping gas	5.49
248.00	MOSW 45m 55w	3.48
15.00	OSWM 40w 60m	0.21
1.00	FO 100o	0.01

* 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

S15-14s-31w Gove, ks

301 south market
Wichita, Ks 67202

Hanna Unit #1-15

Job Ticket: 46656

DST#: 2

ATTN: Brad Rine

Test Start: 2012.06.05 @ 12:13:00

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:

87000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW .069 @ 90 Degrees F = 87000 ppm	0.000
508.00	MW 7m 93w Popping gas	5.486
248.00	MOSW 45m 55w	3.479
15.00	OSWM 40w 60m	0.210
1.00	FO 100o	0.014

Total Length: 772.00 ft

Total Volume: 9.189 bbl

Num Fluid Samples: 0

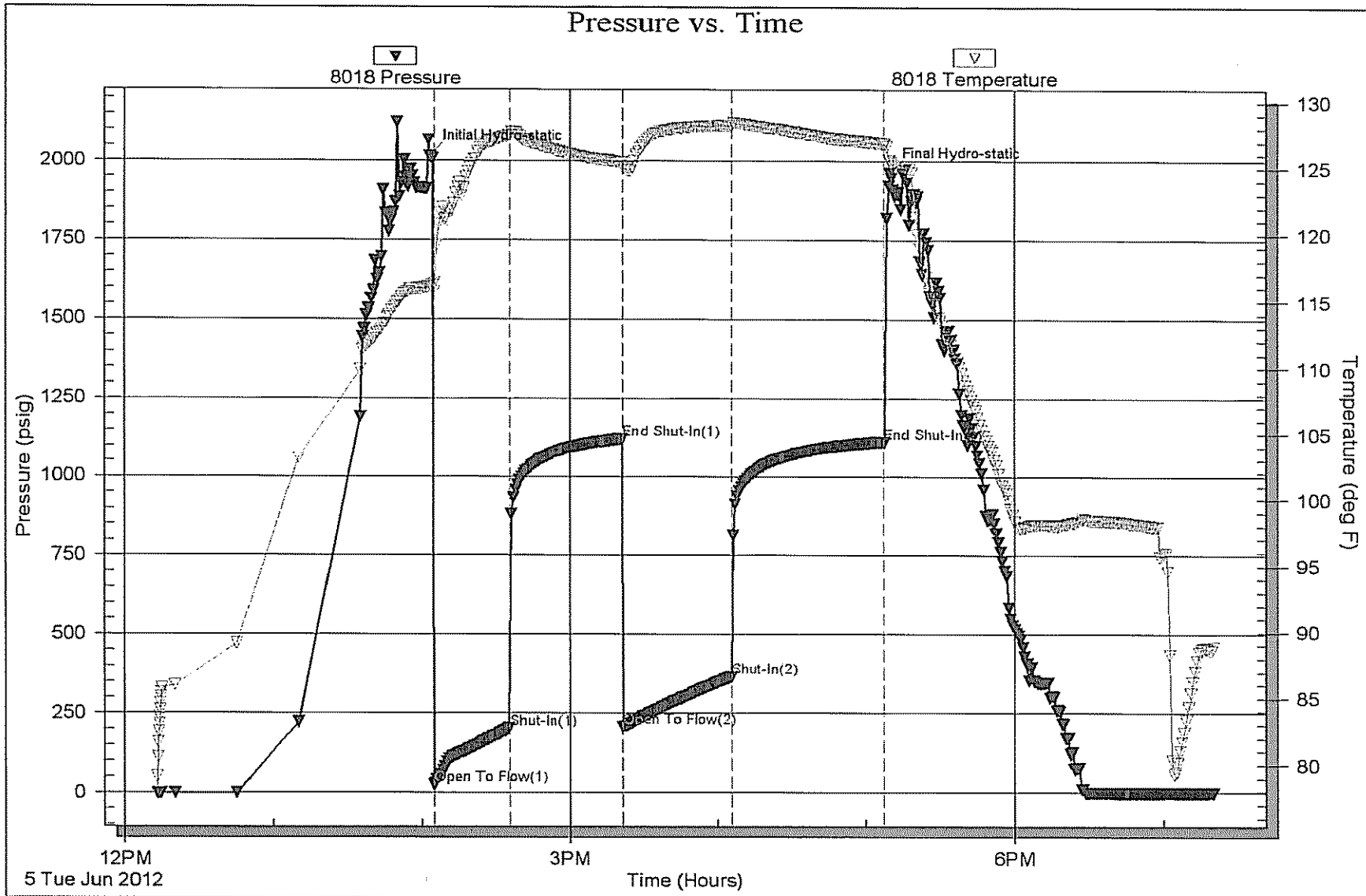
Num Gas Bombs: 0

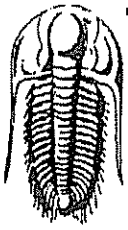
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

S15-14s-31w Gove, ks

301 south market
Wichita, Ks 67202

Hanna Unit #1-15

Job Ticket: 46657

DST#: 3

ATTN: Brad Rine

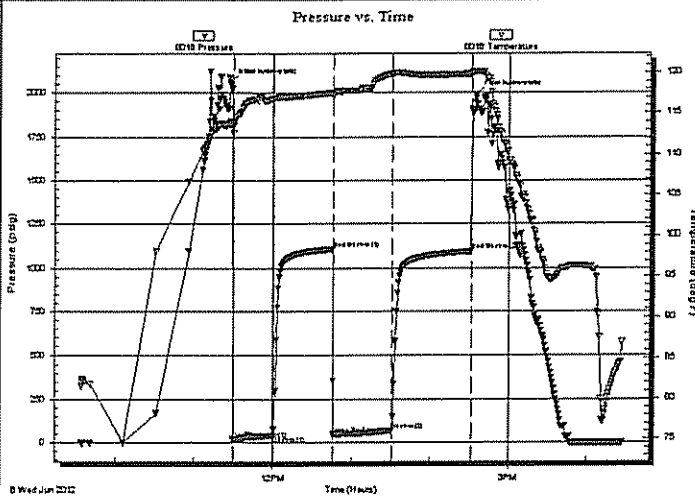
Test Start: 2012.06.06 @ 09:34:00

GENERAL INFORMATION:

Formation: LKC "I, J"
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 11:29:40
 Tester: Chuck Smith
 Time Test Ended: 16:27:00
 Unit No: 62
 Interval: 4147.00 ft (KB) To 4214.00 ft (KB) (TVD)
 Reference Elevations: 2899.00 ft (KB)
 Total Depth: 4214.00 ft (KB) (TVD)
 2888.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 11.00 ft

Serial #: 8018 Inside
 Press@RunDepth: 68.38 psig @ 4153.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.06 End Date: 2012.06.06 Last Calib.: 2012.06.06
 Start Time: 09:34:02 End Time: 16:27:00 Time On Btrr: 2012.06.06 @ 11:27:30
 Time Off Btrr: 2012.06.06 @ 14:35:09

TEST COMMENT: IF: 1 1/2" Blow.
 IS: No return
 FF: 3/4" Blow.
 FSI: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2061.91	113.88	Initial Hydro-static
3	18.16	112.63	Open To Flow (1)
33	41.05	116.83	Shut-In(1)
78	1109.45	117.53	End Shut-In(1)
79	44.23	117.14	Open To Flow (2)
123	68.38	119.87	Shut-In(2)
185	1096.17	119.85	End Shut-In(2)
188	1988.65	120.13	Final Hydro-static

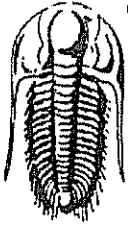
Recovery

Length (ft)	Description	Volume (bbl)
120.00	M 100m Oil spots in tool.	0.59

* 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

S15-14s-31w Gove, ks

301 south market
Wichita, Ks 67202

Hanna Unit #1-15

Job Ticket: 46657

DST#: 3

ATTN: Brad Rine

Test Start: 2012.06.06 @ 09:34:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 8.78 in³
Resistivity: ohm.m
Salinity: 3000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	M 100m Oil spots in tool.	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

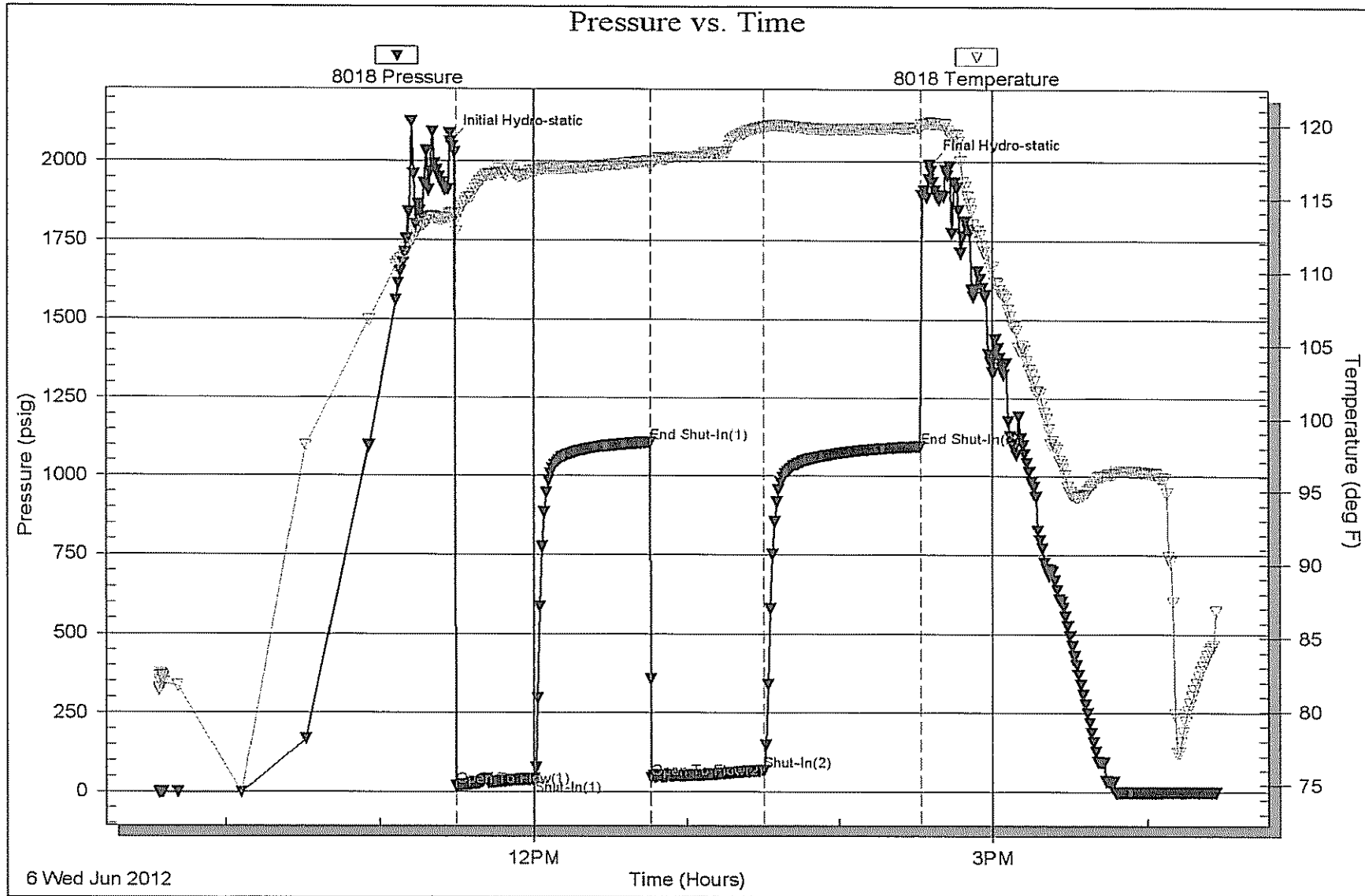
Num Gas Bombs: 0

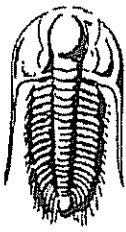
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

301 south market
Wichita, Ks 67202

ATTN: Brad Rine

S15-14s-31w Gove, ks

Hanna Unit #1-15

Job Ticket: 46658

DST#: 4

Test Start: 2012.06.08 @ 03:04:00

GENERAL INFORMATION:

Formation: Pawnee, Fort Scott

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:58:30

Time Test Ended: 10:39:30

Interval: 4407.00 ft (KB) To 4468.00 ft (KB) (TVD)

Total Depth: 4050.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Reference Elevations: 2899.00 ft (KB)

2888.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8018

Inside

Press@RunDepth: 228.46 psig @ 4408.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.08

End Date:

2012.06.08

Last Calib.: 2012.06.08

Start Time: 03:03:32

End Time:

10:39:00

Time On Btm: 2012.06.08 @ 04:57:50

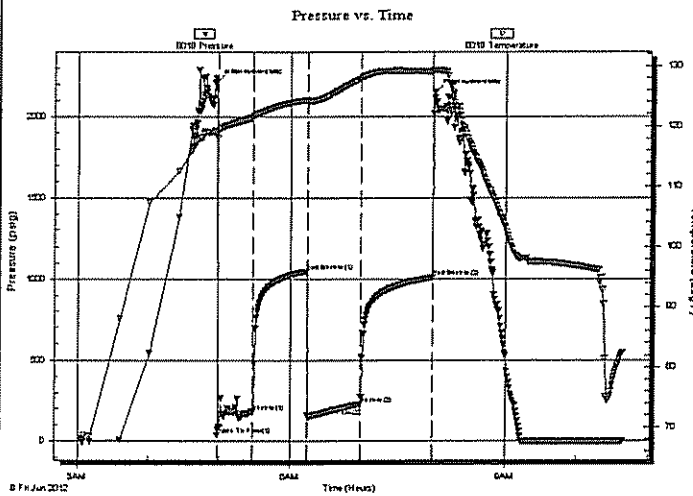
Time Off Btm: 2012.06.08 @ 08:01:09

TEST COMMENT: IF: BOB @ 20 min.

ISI No return

FF: BOB @ 29 min.

FSI: Weak Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2214.12	119.43	Initial Hydro-static
1	37.32	118.06	Open To Flow (1)
31	179.08	121.44	Shut-In(1)
76	1049.14	124.33	End Shut-In(1)
77	150.10	124.06	Open To Flow (2)
122	228.46	127.86	Shut-In(2)
182	1009.90	129.09	End Shut-In(2)
184	2148.50	129.36	Final Hydro-static

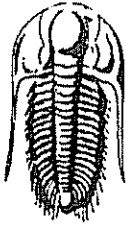
Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW .097 @ 73 Degrees F= 83000 PPM	0.00
124.00	OSMW 25m 75w	0.61
62.00	GOSMW 10g 40m 50w	0.36
124.00	GOWM 5g 20o 35w 40m	1.74
124.00	GMOW 5g 10m 35o 50w	1.74
45.00	GOWM 15g 5o 20w 60m	0.63

* 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

S15-14s-31w Gove, ks

301 south market
Wichita, Ks 67202

Hanna Unit #1-15

Job Ticket: 46658

DST#: 4

ATTN: Brad Rine

Test Start: 2012.06.08 @ 03:04:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 3000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: 83000 ppm

Recovery Information

Recovery Table

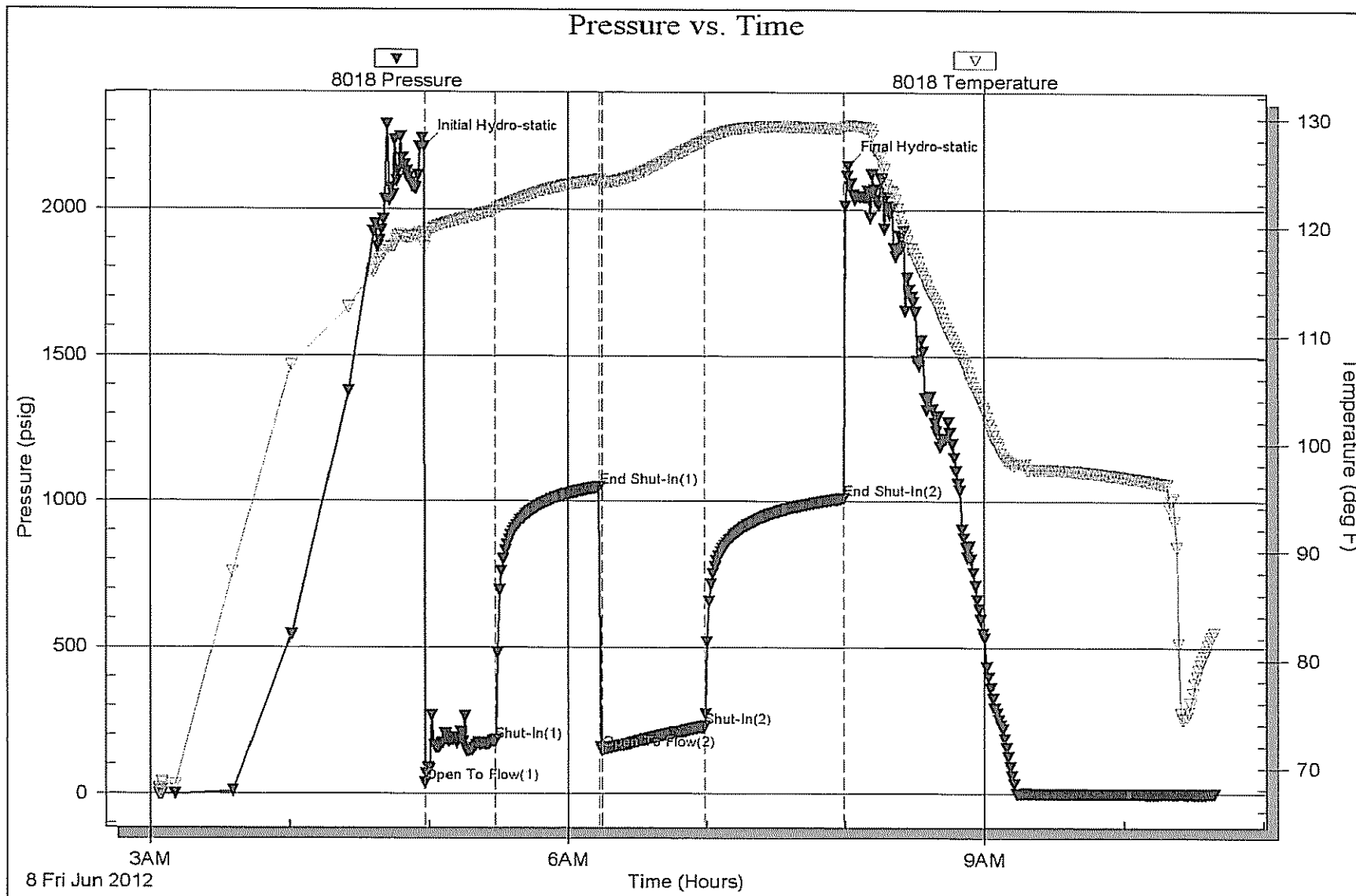
Length ft	Description	Volume bbl
0.00	RW .097 @ 73 Degrees F= 83000 PPM	0.000
124.00	OSMW 25m 75w	0.610
62.00	GOSMW 10g 40m 50w	0.360
124.00	GOWM 5g 20o 35w 40m	1.739
124.00	GMOW 5g 10m 35o 50w	1.739
45.00	GOWM 15g 5o 20w 60m	0.631

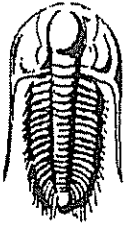
Total Length: 479.00 ft Total Volume: 5.079 bbl

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 Company

S15-14s-31w Gove, ks

301 south market
Wichita, Ks 67202

Hanna Unit #1-15

Job Ticket: 46659

DST#: 5

ATTN: Brad Rine

Test Start: 2012.06.09 @ 02:21:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:59:20

Time Test Ended: 10:48:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4518.00 ft (KB) To 4570.00 ft (KB) (TVD)

Total Depth: 4570.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2899.00 ft (KB)

2888.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8018

Inside

Press@RunDepth: 365.75 psig @ 4519.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.09

End Date:

2012.06.09

Last Calib.: 2012.06.09

Start Time: 02:21:02

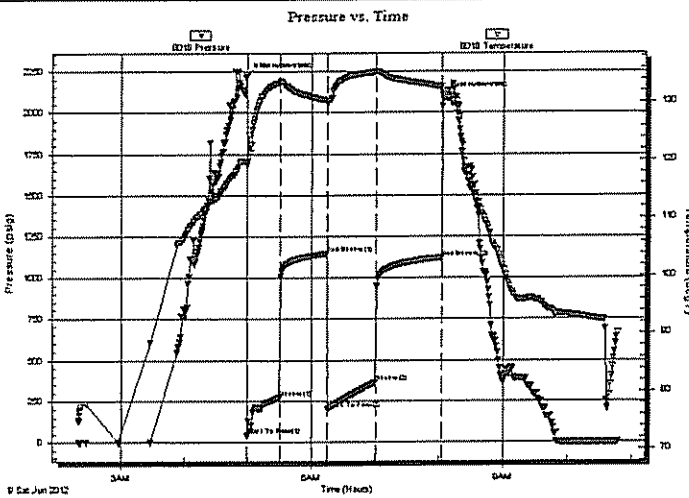
End Time:

10:48:00

Time On Btm: 2012.06.09 @ 04:58:20

Time Off Btm: 2012.06.09 @ 08:03:30

TEST COMMENT: IF: 15 min BOB.
IS: Weak return died @ 30 min.
FF: 17 min BOB.
FSI: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2220.26	119.75	Initial Hydro-static
1	39.53	119.05	Open To Flow (1)
32	272.65	133.33	Shut-In(1)
77	1146.43	130.18	End Shut-In(1)
77	200.66	129.64	Open To Flow (2)
123	365.75	135.12	Shut-In(2)
185	1120.64	132.62	End Shut-In(2)
186	2102.30	131.53	Final Hydro-static

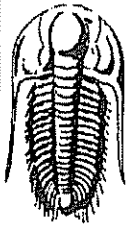
Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW .079 @ 82 Degrees F= 81000 PPM	0.00
180.00	MW 5m 95w	0.89
310.00	MW 25m 75w	4.35
260.00	WM 30w 70m Popping gas	3.65

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company
301 south market
Wichita, Ks 67202
ATTN: Brad Rine

S15-14s-31w Gove, ks
Hanna Unit #1-15
Job Ticket: 46659 DST#: 5
Test Start: 2012.06.09 @ 02:21:00

GENERAL INFORMATION:

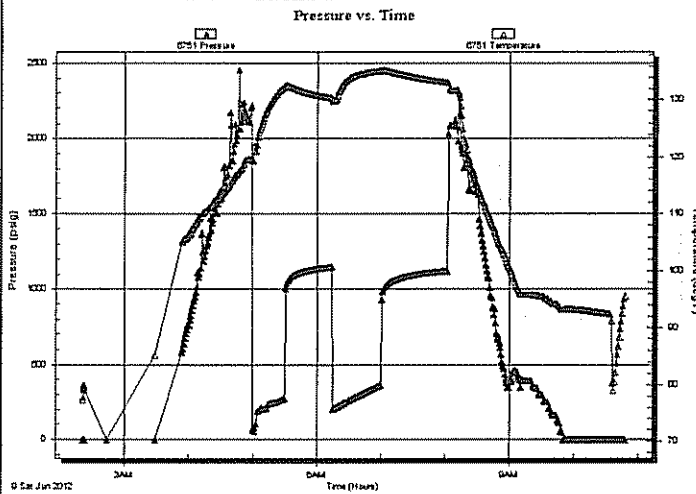
Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:59:20
Time Test Ended: 10:48:00
Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Smith
Unit No: 62
Interval: **4518.00 ft (KB) To 4570.00 ft (KB) (TVD)**
Total Depth: **4570.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Good
Reference Elevations: 2899.00 ft (KB)
2888.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6751

Outside

Press@RunDepth: psig @ 4519.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.06.09 End Date: 2012.06.09 Last Calib.: 2012.06.09
Start Time: 02:21:17 End Time: 10:47:51 Time On Btm
Time Off Btm

TEST COMMENT: IF: 15 min BOB.
IS: Weak return died @ 30 min.
FF: 17 min BOB.
FSI: No return



PRESSURE SUMMARY

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

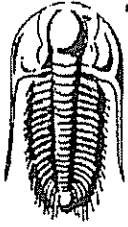
Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW .079 @ 82 Degrees F= 81000 PPM	0.00
180.00	MW 5m 95w	0.89
310.00	MW 25m 75w	4.35
260.00	WM 30w 70m Popping gas	3.65

* 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

S15-14s-31w Gove, ks

301 south market
Wichita, Ks 67202

Hanna Unit #1-15

Job Ticket: 46659

DST#: 5

ATTN: Brad Rine

Test Start: 2012.06.09 @ 02:21:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 60.00 sec/qt
Water Loss: 7.98 in³
Resistivity: ohm.m
Salinity: 3000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: 81000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW .079 @ 82 Degrees F= 81000 PPM	0.000
180.00	MW 5m 95w	0.885
310.00	MW 25m 75w	4.348
260.00	WM 30w 70m Popping gas	3.647

Total Length: 750.00 ft Total Volume: 8.880 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

