



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1066395  
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: \_\_\_\_\_

1066395

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Ottaway 2-6
Doc ID	1066395

All Electric Logs Run

CDL/DNL/PE
SONIC
DIL
MEL

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Ottaway 2-6
Doc ID	1066395

Tops

Name	Top	Datum
Heebner	3883	-910
Lansing	3930	-957
Stark Shale	4208	-1235
Hushpuckney	4247	-1274
Base KC	4311	-1338
Marmaton	4335	-1362
Pawnee	4423	-1450
Ft. Scott	4443	-1470
Johnson	4524	-1551
Mississippian	4558	-1585

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Ottaway 2-6
Doc ID	1066395

#### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
surface	12.25	8.625	23	389	Common	250	3% CC, 2% gel
production	7.875	5.5	14	4698	OWC	160	5# Kolseal
DV tool	7.875	5.5	14	2932	60/40 Poz	370	8% gel, 1/4# Flo seal
DV tool	7.875	5.5	14	2932	OWC	100	5# Kolseal

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

January 18, 2012

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

Re: ACO1  
API 15-171-20838-00-00  
Ottaway 2-6  
SE/4 Sec.06-19S-31W  
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



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
FAX 620/431-0012

INVOICE

Invoice # 245438

Invoice Date: 10/28/2011 Terms: 15/15/30,n/30

Page 1

LARIO OIL & GAS  
301 S. MARKET ST.  
WICHITA KS 67202  
(316)265-5611

OTTAWAY2-26  
33660  
6-19S-31W  
10-26-2011  
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	250.00	16.8000	4200.00
1102	CALCIUM CHLORIDE (50#)	705.00	.8400	592.20
1118B	PREMIUM GEL / BENTONITE	470.00	.2400	112.80

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-735.75
9999-130	CASH DISCOUNT	-295.17

Description	Hours	Unit Price	Total
463 CEMENT PUMP (SURFACE)	1.00	1025.00	1025.00
463 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.00	200.00
463 TON MILEAGE DELIVERY	1.00	742.80	742.80

*al*  
*al*  
NOV 2 2011  
*al*  
*al*

Amount Due 7279.91 if paid after 11/27/2011

Parts:	4905.00	Freight:	.00	Tax:	346.04	AR	6187.92
Labor:	.00	Misc:	.00	Total:	6187.92		
Sublt:	-1030.92	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_ Date \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC



TICKET NUMBER 33660  
LOCATION Oakley Ks  
FOREMAN Walt Dunkel

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

Ks

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-26-11	4793	Ottaway 2-26	6	193	31W	Scott
CUSTOMER <u>Lario Oil + Gas</u>			SCOTT, KS			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			463	miles show		
STATE			439	Wes Flinn		
ZIP CODE						

JOB TYPE Surface-0 HOLE SIZE 12 1/4 HOLE DEPTH 390' CASING SIZE & WEIGHT 8 3/8-20#  
 CASING DEPTH 389' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15.2 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 15'-20'  
 DISPLACEMENT 23 1/2 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting, rig up on W-L #2, Circ casing on bottom, mixed 250 sks com, 3% cc - 7% lat, Displace 23 1/2 BBL H2O @ 200#, Shut in  
Cement Did Circ

*Thank You  
Walt + crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	1,025.00	1,025.00
5406	40	MILEAGE	5.00	200.00
1104S	250 sks	Class A Cement	16.80	4,200.00
1102	905#	Calcium Chloride	.84	592.20
118B	490#	Gel	.24	112.80
5407A	11.75	Ton Mileage	1.58	742.80
				6,872.80
		Less 15% Disc		-1,030.92
				5,841.88
		245438	SALES TAX	346.04
			ESTIMATED TOTAL	6,187.92

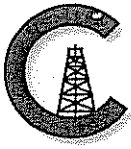
Ravin 3737

AUTHORIZATION [Signature]

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.





**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

**MAIN OFFICE**  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 245610

Invoice Date: 11/10/2011 Terms: 15/15/30,n/30

Page 1

LARIO OIL & GAS  
301 S. MARKET ST.  
WICHITA KS 67202  
(316)265-5611

OTTAWAY 2-6  
33717  
6-19S-31W  
11-05-2011  
KS

Part Number	Description	Qty	Unit Price	Total
1126	OIL WELL CEMENT	260.00	21.4800	5584.80
1131	60/40 POZ MIX	400.00	14.3500	5740.00
1110A	KOL SEAL (50# BAG)	1300.00	.5300	689.00
1107	FLO-SEAL (25#)	100.00	2.6600	266.00
1144G	MUD FLUSH (SALE)	500.00	1.0000	500.00
4159	FLOAT SHOE AFU 5 1/2"	1.00	413.0000	413.00
4454	5 1/2" LATCH DOWN PLUG	1.00	567.0000	567.00
4277	DV TOOL SIZE 5 1/2" (STA	1.00	4700.0000	4700.00
4130	CENTRALIZER 5 1/2"	20.00	58.0000	1160.00
4104	CEMENT BASKET 5 1/2"	1.00	276.0000	276.00

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-2984.37
9999-130	CASH DISCOUNT	-736.38

Description	Hours	Unit Price	Total
399 SINGLE PUMP	1.00	2850.00	2850.00
399 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.00	200.00
399 TON MILEAGE DELIVERY	1176.71	1.58	1859.20

*ACP  
AFE 11-274*

*cel  
4c*

*[Signature]*

NOV 14 2011

*cel  
4c*

Amount Due 26456.36 if paid after 12/10/2011

Parts:	19895.80	Freight:	.00	Tax:	1403.66	AR	22487.91
Labor:	.00	Misc:	.00	Total:	22487.91		
Sublt:	-3720.75	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC



TICKET NUMBER 33717  
LOCATION Oakley, KS  
FOREMAN Walt Dinkel

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**

**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
11-5-11	4793	Ottaway 2-6	6	19 <sup>s</sup>	31 <sup>w</sup>	Kansas Scott	
CUSTOMER Lario Oil + Gas		Geotcity		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS		6E	399	Cory Davis			
CITY		3S	528-T127	miles Shaw			
STATE		1E	466-T129				
ZIP CODE		1/2S					

JOB TYPE Prod-DY HOLE SIZE 7 7/8 HOLE DEPTH 4700' CASING SIZE & WEIGHT 5 1/2-14"  
CASING DEPTH 4697' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER DVD 2932  
SLURRY WEIGHT 13.8-12.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20"  
DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 6 BPM

REMARKS: Safety Meeting, rig up on W/W #2, circ casing on bottom line  
Pump 500 gal mud flush, then mixed 160 sks OWC, 5# Kalseal, clear pump + lines  
release plug + displace 50 BBL water + 65 BBL mud @ 900#, landed plug @  
1500#, release pressure, float held, open DY tool, circ 3 hrs  
mix 30 sks in RH, mixed 370 sks 60/40 por, 2% gel, 1/4# Flo-Seal, Tail in well  
100 sks OWC, 5# Kalseal, clear pump + lines, released plug and displace  
7 1/2 BBL H<sub>2</sub>O @ 1000#, landed plug on shot tool @ 1800#, released  
Pressure, held  
12:00#

Comment Did Circ Thank You  
Approx 25 sks to pit Walt + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	2850.00	2850.00
5406	40	MILEAGE	5.00 →	200.00
1126	260 sks	skis OWC	21.48	5584.80
1131	400 sks	60/40 por	14.35	5740.00
1110A	1300 #	Kalseal	15.3	689.00
1107	100 #	Flo-Seal	2.66	266.00
1144G	500 gal	Mud Flush	1.00	500.00
5407A	29.42	Tan Mileage	1.58	1,859.20
4159	1	AFU Float Shoe	413.00	413.00
4454(W)	1	Latch down Plug Assy (Weather Seal)	567.00	567.00
4130	20	Centralizers	58.00	1160.00
4104	1	Basket	276.00	276.00
4271(W)	1	DV Tool (Weather Seal)	4700.00	4700.00
				24805.00
				3720.25
				21,084.25
				24560
			SALES TAX	1403.66
			ESTIMATED TOTAL	22487.91

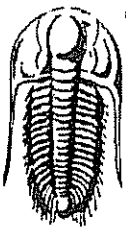
Revin 3737

AUTHORIZATION Deary B Lewis

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

6-19-31

301 S Market St  
Wichita KS 67202

Ottaway #2-6

Job Ticket: 45465

DST#: 1

ATTN: Wes Hansen

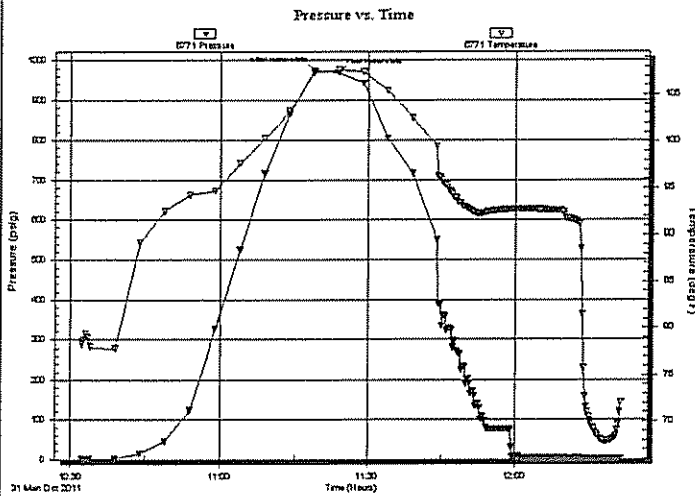
Test Start: 2011.10.31 @ 10:32:15

### GENERAL INFORMATION:

Formation: Lansing "I" & "J"  
 Deviated: No Whipstock ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened:  
 Tester: Will MacLean  
 Time Test Ended: 12:21:30  
 Unit No: 55  
 Interval: 4153.00 ft (KB) To 4191.00 ft (KB) (TVD)  
 Reference Elevations: 2973.00 ft (KB)  
 Total Depth: 4191.00 ft (KB) (TVD)  
 2968.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GRVCF: 5.00 ft

Serial #: 6771 Outside  
 Press@RunDepth: psig @ 4157.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.10.31 End Date: 2011.10.31 Last Calib.: 2011.10.31  
 Start Time: 10:32:15 End Time: 12:21:30 Time On Btm: 2011.10.31 @ 11:19:00  
 Time Off Btm: 2011.10.31 @ 11:24:00

TEST COMMENT: Mis-Run- Couldn't get to Bottom took all the string weight around 1850



### PRESSURE SUMMARY

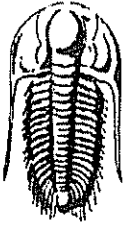
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	974.70	107.36	Initial Hydro-static
5	969.84	107.70	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)

### Gas Rates

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



**TRIOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Co

6-19-31

301 S Market St  
Wichita KS 67202

Ottaway #2-6

Job Ticket: 45465

DST#: 1

ATTN: Wes Hansen

Test Start: 2011.10.31 @ 10:32:15

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 55.00 sec/qt  
Water Loss: 7.99 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 1300.00 ppm  
Filter Cake: 1.00 inches

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

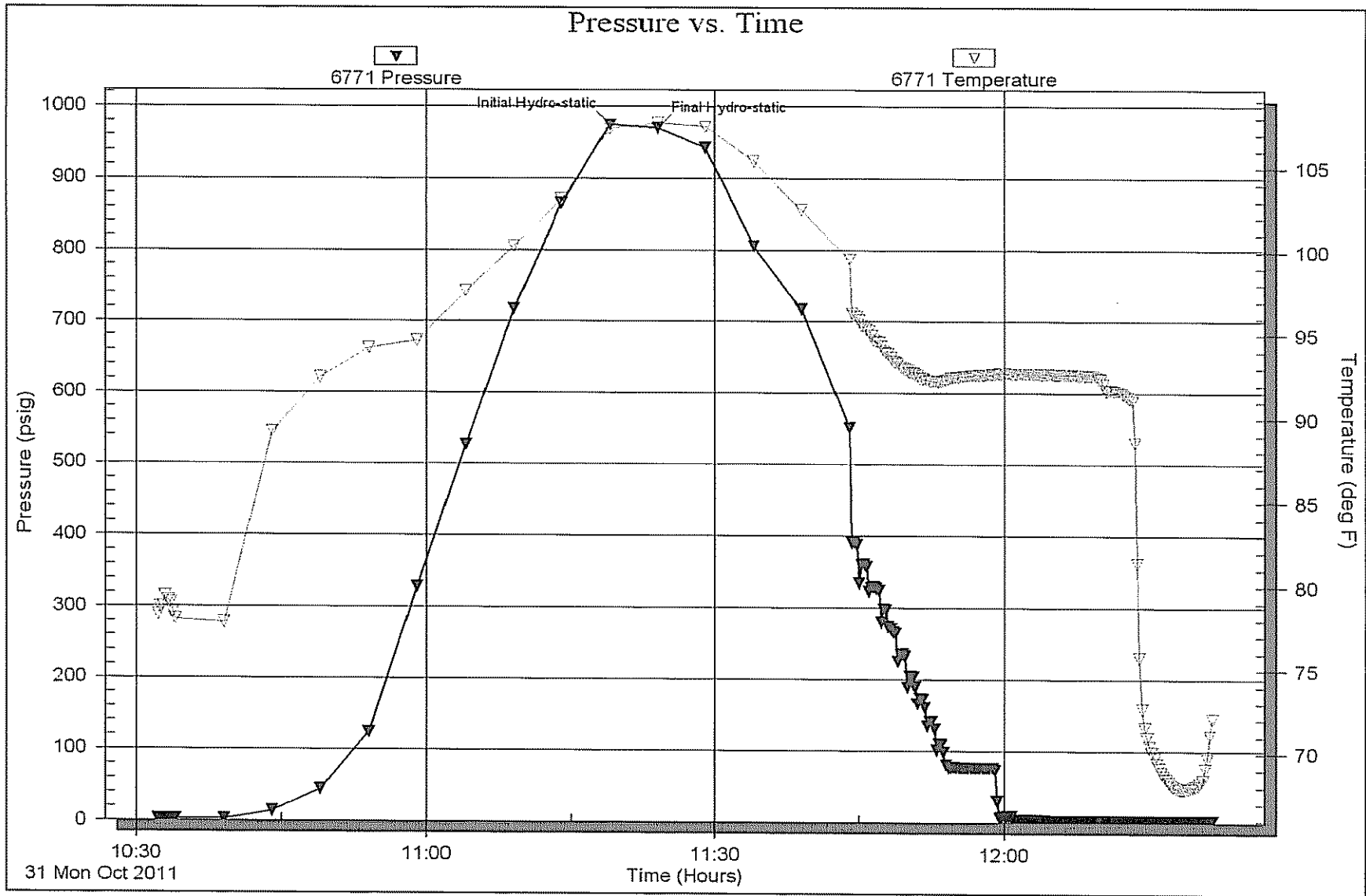
Oil API: deg API  
Water Salinity: ppm

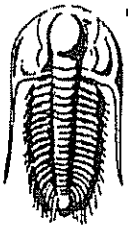
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft      Total Volume: bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





**TRIOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

6-19-31 Scott Co KS

301 S Market St  
Wichita KS 67202

Ottaway #2-6

Job Ticket: 45466

DST#: 2

ATTN: Wes Hansen

Test Start: 2011.10.31 @ 20:31:15

### GENERAL INFORMATION:

Formation: Lansing "I" & "J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:31:00

Time Test Ended: 03:11:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 55

Interval: 4153.00 ft (KB) To 4191.00 ft (KB) (TVD)

Total Depth: 4191.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2973.00 ft (KB)

2968.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6771 Outside

Press@RunDepth: 82.27 psig @ 4157.00 ft (KB)

Start Date: 2011.10.31

End Date:

2011.11.01

Start Time: 20:31:15

End Time:

03:11:30

Capacity: 8000.00 psig

Last Calib.: 2011.11.01

Time On Btm: 2011.10.31 @ 22:30:45

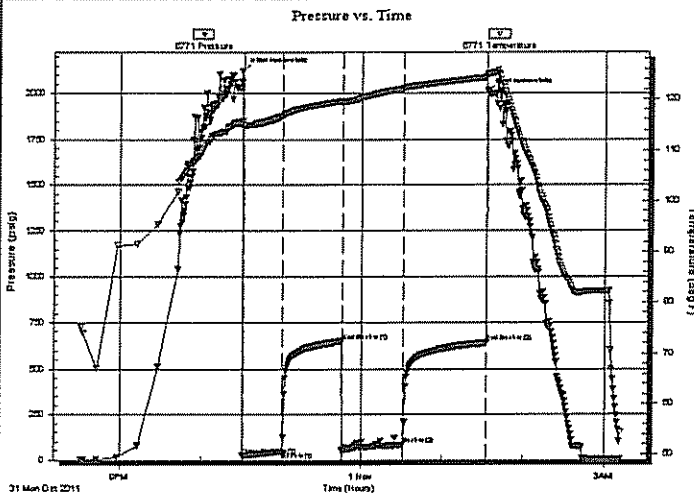
Time Off Btm: 2011.11.01 @ 01:33:00

TEST COMMENT: IF- Weak Surface Blow Built to 1 1/4"

IS- No Blow

FF- Weak Surface Blow Built to 3/4"

FSI- No Blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2123.06	115.56	Initial Hydro-static
1	22.99	114.92	Open To Flow (1)
30	48.16	116.71	Shut-In(1)
75	647.58	119.61	End Shut-In(1)
75	51.99	119.25	Open To Flow (2)
121	82.27	122.07	Shut-In(2)
182	640.13	124.32	End Shut-In(2)
183	2008.04	124.78	Final Hydro-static

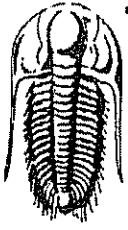
### Recovery

Length (ft)	Description	Volume (bbl)
140.00	WCM 3%w 97%m	0.84
0.00	Few Oil Spots	0.00

\* Recovery from multiple tests

### Gas Rates

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



**TRIOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas Co

**6-19-31 Scott Co KS**

301 S Market St  
Wichita KS 67202

**Ottaway #2-6**

Job Ticket: 45466

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2011.10.31 @ 20:31:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
140.00	WCM 3%w 97%m	0.843
0.00	Few Oil Spots	0.000

Total Length: 140.00 ft      Total Volume: 0.843 bbl

Num Fluid Samples: 0

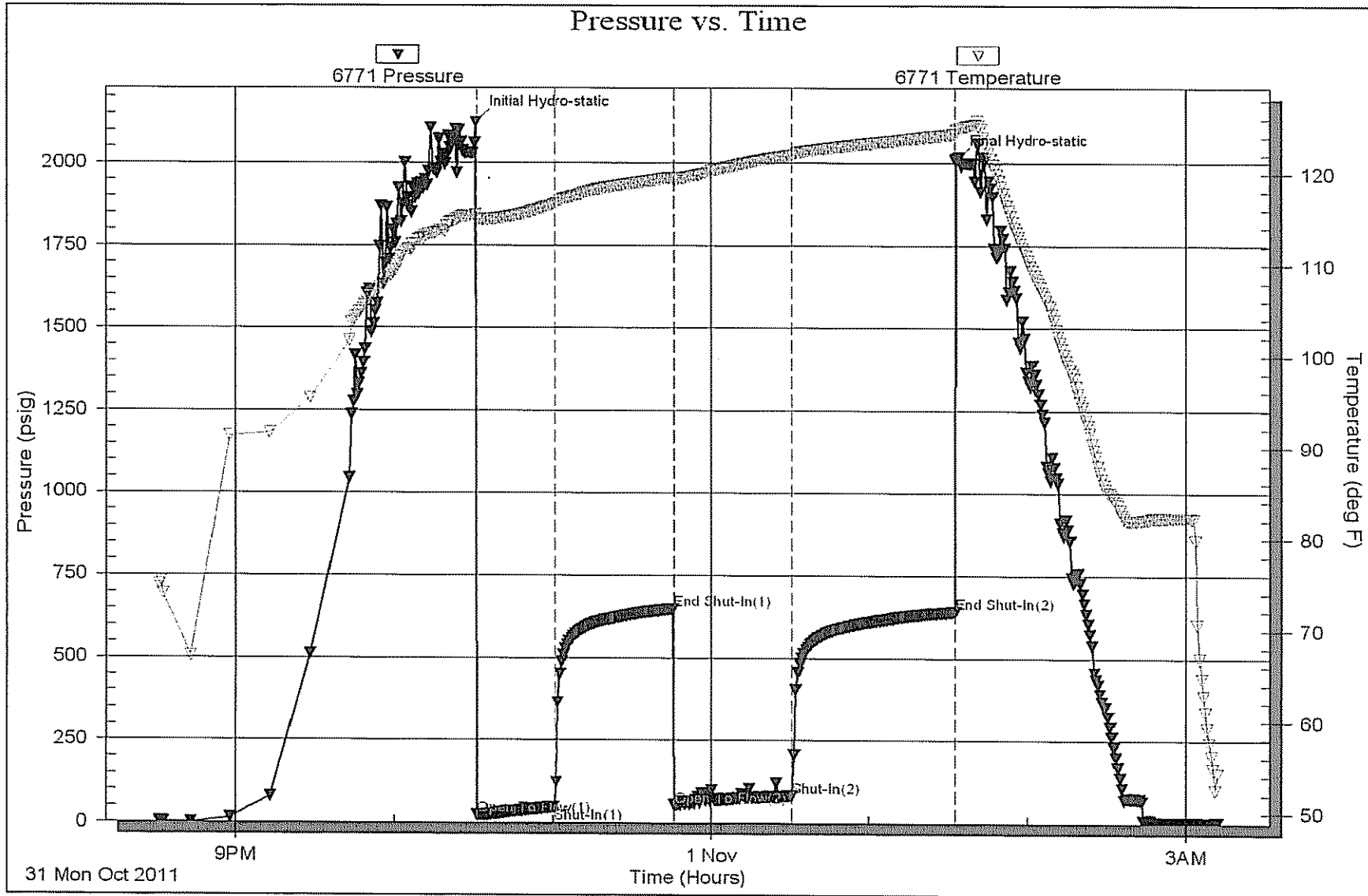
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

6-19-31 Scott Co KS

301 S Market St  
Wichita KS 67202

Ottaway #2-6

Job Ticket: 45467

DST#: 3

ATTN: Wes Hansen

Test Start: 2011.11.01 @ 15:12:15

### GENERAL INFORMATION:

Formation: **Lansing "L"**

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

Time Tool Opened: 16:53:45

Time Test Ended: 23:12:00

Test Type: **Conventional Bottom Hole (Reset)**

Tester: **Will MacLean**

Unit No: **55**

Interval: **4247.00 ft (KB) To 4280.00 ft (KB) (TVD)**

Total Depth: **4280.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2973.00 ft (KB)**

**2968.00 ft (CF)**

KB to GRVCF: **5.00 ft**

Serial #: **6771**

Outside

Press@RunDepth: **116.48 psig @ 4250.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.11.01**

End Date:

**2011.11.01**

Last Calib.: **2011.11.01**

Start Time: **15:12:15**

End Time:

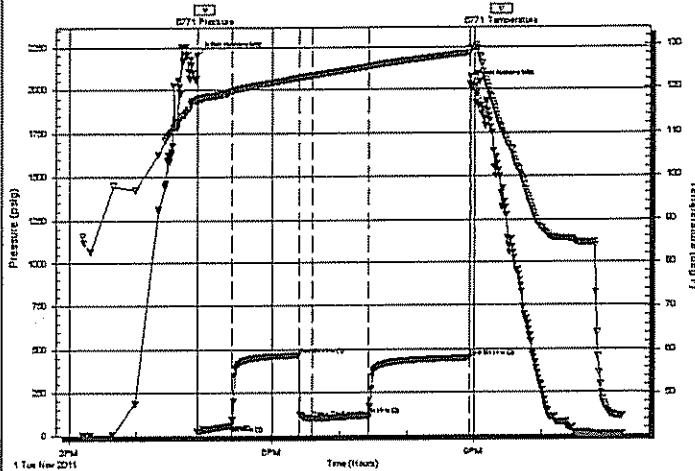
**23:12:00**

Time On Btm: **2011.11.01 @ 16:53:30**

Time Off Btm: **2011.11.01 @ 20:56:30**

TEST COMMENT: IF-Surface Blow Built to 9 1/4"  
ISL- Weak Surface Blow Built to 1/4" Died in 32min  
FF- Surface Blow Built to 5 3/4"  
FSL- Weak Surface Blow Died in 27min

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2202.02	117.60	Initial Hydro-static
1	23.11	116.88	Open To Flow (1)
31	57.53	119.23	Shut-In(1)
91	466.88	122.31	End Shut-In(1)
103	99.58	122.82	Open To Flow (2)
152	116.48	124.83	Shut-In(2)
243	449.21	128.04	End Shut-In(2)
243	2030.29	128.80	Final Hydro-static

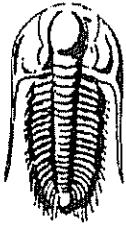
### Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 10%g 20%m 70%oil	0.30
62.00	GO 25%g 75%oil	0.30
85.00	GO 10%g 90%oil	1.18
0.00	313 GIP	0.00

\* 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 Co

6-19-31 Scott Co KS

301 S Market St  
Wichita KS 67202

Ottaway #2-6

Job Ticket: 45467

DST#: 3

ATTN: Wes Hansen

Test Start: 2011.11.01 @ 15:12:15

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 65.00 sec/qt  
Water Loss: 7.96 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2500.00 ppm  
Filter Cake: 1.00 inches

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

Oil API: 38 deg API  
Water Salinity: ppm

**Recovery Information**

Recovery Table

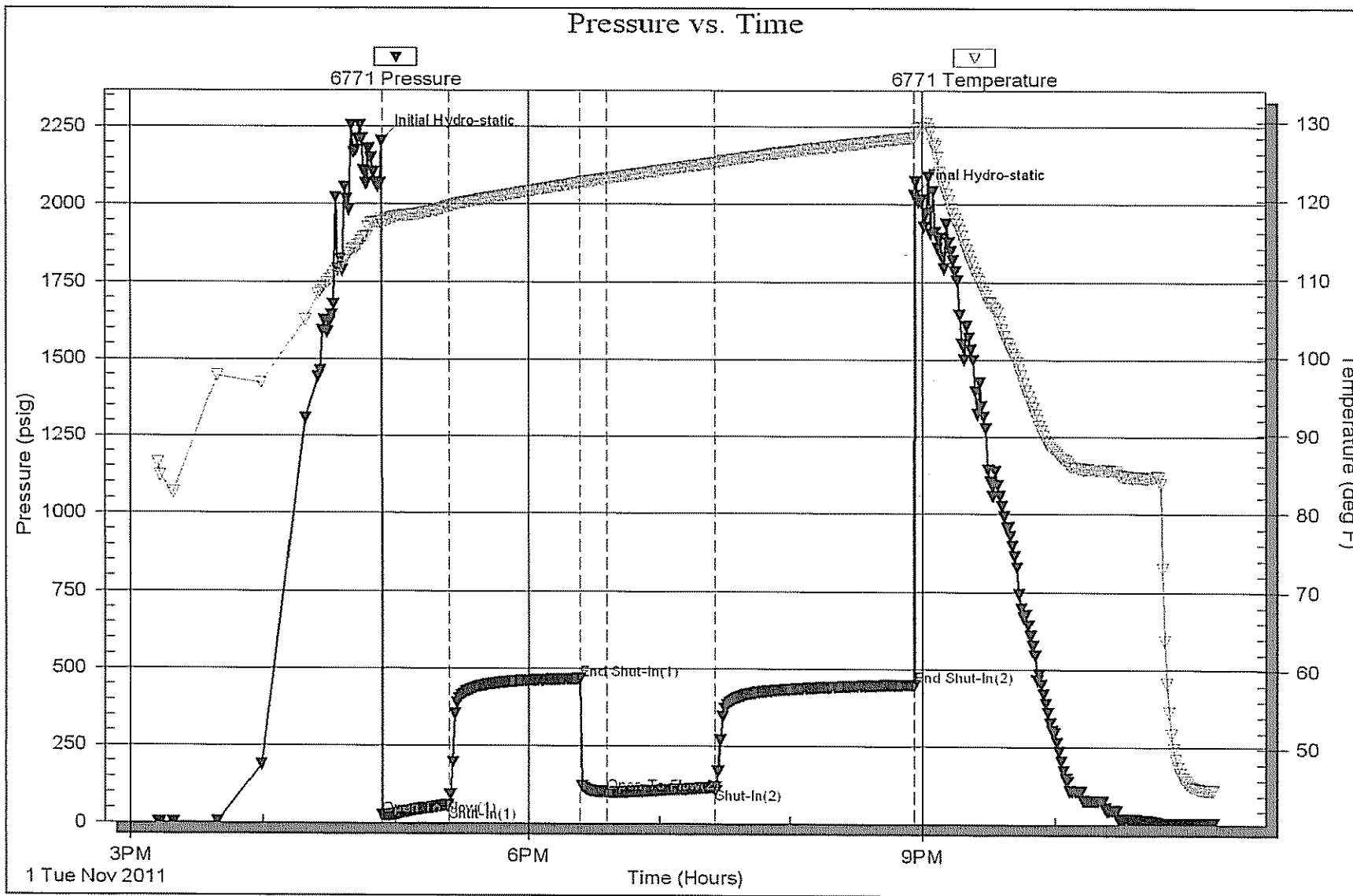
Length ft	Description	Volume bbl
60.00	GMCO 10%g 20%m 70%oil	0.295
62.00	GO 25%g 75%oil	0.305
85.00	GO 10%g 90%oil	1.183
0.00	313 GIP	0.000

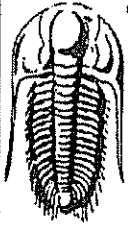
Total Length: 207.00 ft      Total Volume: 1.783 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: API is 37 @ 50f = 38





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

6-19-31 Scott Co KS

301 S Market St  
Wichita KS 67202

Ottaway #2-6

Job Ticket: 45468

DST#: 4

ATTN: Wes Hansen

Test Start: 2011.11.02 @ 08:08:15

### GENERAL INFORMATION:

Formation: Base of Kansas City

Deviated: No Whipstock ft (KB)

Time Tool Opened: 09:59:00

Time Test Ended: 14:08:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 55

Interval: 4288.00 ft (KB) To 4326.00 ft (KB) (TVD)

Total Depth: 4326.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2973.00 ft (KB)

2968.00 ft (CF)

KB to GRVCF: 5.00 ft

Serial #: 6667

Inside

Press@RunDepth: 31.02 psig @ 4292.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.02

End Date:

2011.11.02

Last Calib.: 2011.11.02

Start Time: 08:08:15

End Time:

14:08:30

Time On Btm: 2011.11.02 @ 09:56:30

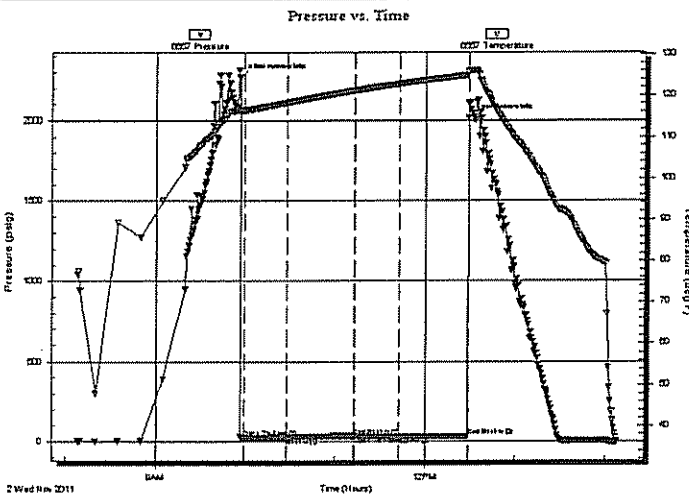
Time Off Btm: 2011.11.02 @ 12:28:45

TEST COMMENT: IF- Weak Surface Blow Died in 18min

IS- No Blow

FF- No Blow

FS- No Blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2269.97	116.49	Initial Hydro-static
3	25.44	116.16	Open To Flow (1)
32	26.31	118.15	Shut-In(1)
76	32.30	121.06	End Shut-In(1)
77	28.70	121.10	Open To Flow (2)
106	31.02	122.72	Shut-In(2)
152	31.05	124.87	End Shut-In(2)
153	2012.15	125.82	Final Hydro-static

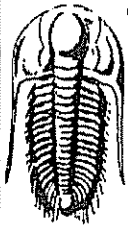
### Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% m	0.02
0.00	Few Oil Spots in Tool	0.00

\* 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 Co

6-19-31 Scott Co KS

301 S Market St  
Wichita KS 67202

Ottaway #2-6

Job Ticket: 45468

DST#: 4

ATTN: Wes Hansen

Test Start: 2011.11.02 @ 08:08:15

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 65.00 sec/qt  
Water Loss: 7.96 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2500.00 ppm  
Filter Cake: 1.00 inches

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

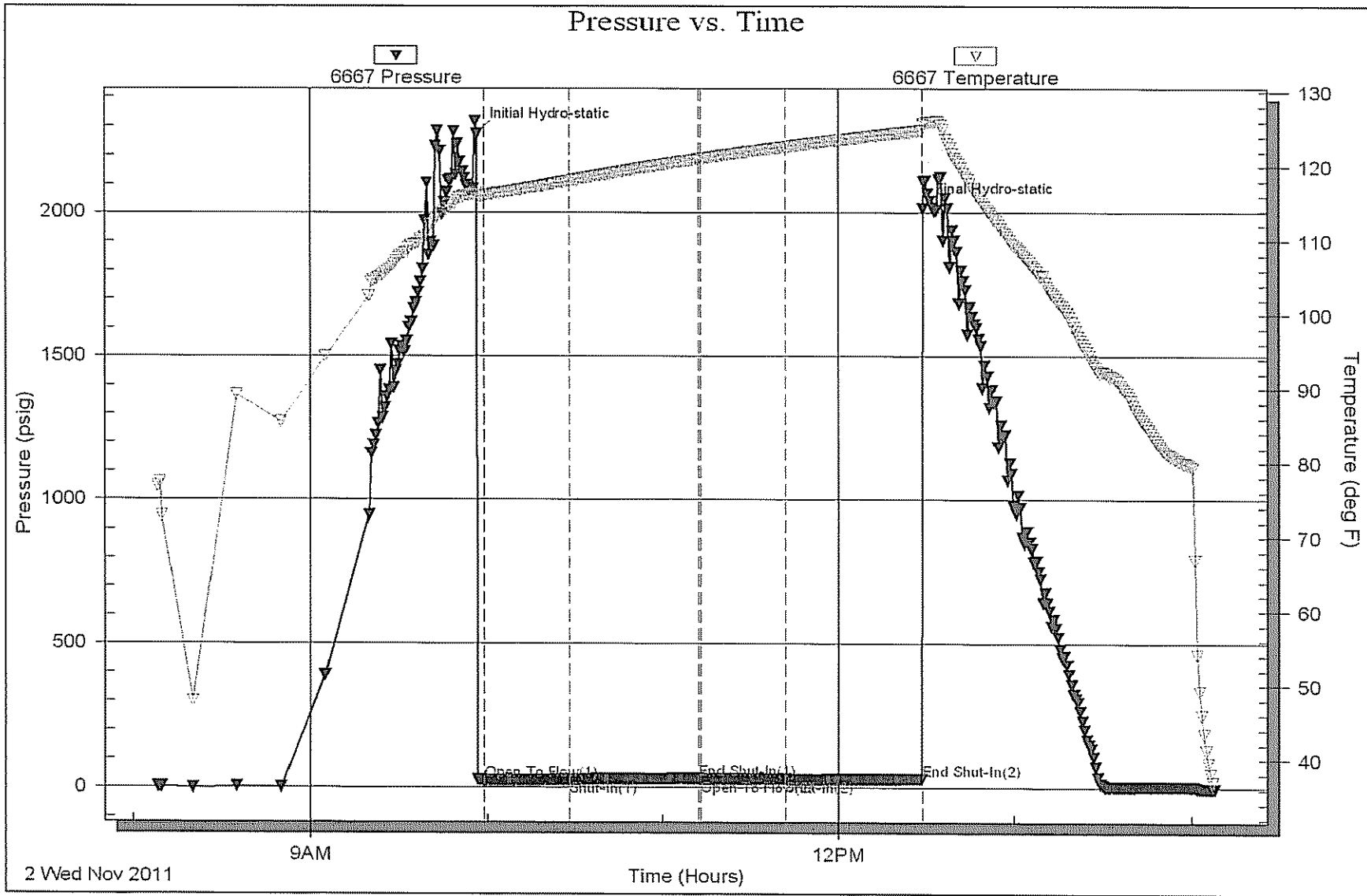
Oil API: deg API  
Water Salinity: ppm

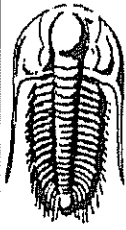
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
5.00	100% m	0.025
0.00	Few Oil Spots in Tool	0.000

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:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

6-19-31 Scott Co KS

301 S Market St  
Wichita KS 67202

Offaway #2-6

Job Ticket: 45412

DST#: 5

ATTN: Wes Hansen

Test Start: 2011.11.02 @ 21:13:36

### GENERAL INFORMATION:

Formation: **Marmaton A**

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

Time Tool Opened: 23:19:06

Time Test Ended: 05:35:21

Test Type: **Conventional Bottom Hole (Reset)**

Tester: **Shane McBride**

Unit No: **55**

Interval: **4306.00 ft (KB) To 4350.00 ft (KB) (TVD)**

Reference Elevations: **2973.00 ft (KB)**

Total Depth: **4350.00 ft (KB) (TVD)**

**2968.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

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

Serial #: **6667**

Inside

Press@RunDepth: **77.97 psig @ 4312.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.11.02**

End Date:

**2011.11.03**

Last Calib.: **2011.11.03**

Start Time: **21:13:36**

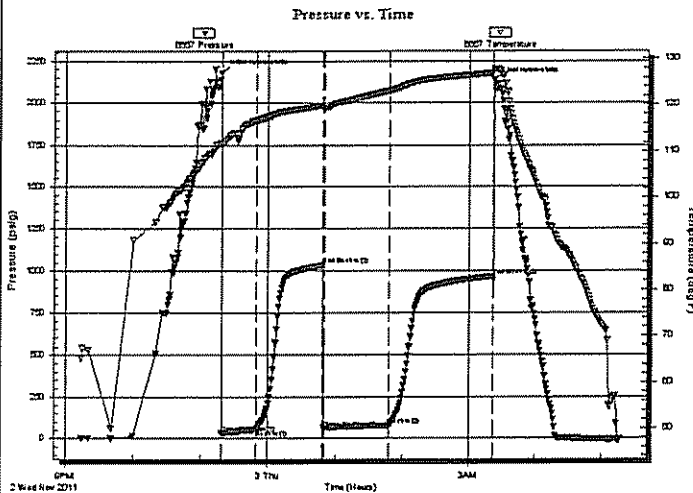
End Time:

**05:16:21**

Time On Blmt: **2011.11.02 @ 23:18:36**

Time Off Blmt: **2011.11.03 @ 03:22:51**

TEST COMMENT: 6" in blow  
No return  
11" in blow  
1/4" in return died in 39 min.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2177.39	111.93	Initial Hydro-static
1	30.58	111.60	Open To Flow (1)
31	53.65	116.59	Shut-In(1)
90	1033.59	119.80	End Shut-In(1)
92	60.60	119.36	Open To Flow (2)
150	77.97	123.05	Shut-In(2)
244	967.38	126.92	End Shut-In(2)
245	2128.85	127.47	Final Hydro-static

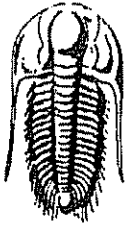
### Recovery

Length (ft)	Description	Volume (bbl)
123.00	s g o c m 10g 40o 50m	0.60
30.00	s g o c m 5g 35o 60m	0.42
0.00	279' gas in pipe	0.00

\* 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 Co

6-19-31 Scott Co KS

301 S Market St  
Wichita KS 67202

Ottaway #2-6

Job Ticket: 45412

DST#: 5

ATTN: Wes Hansen

Test Start: 2011.11.02 @ 21:13:36

**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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
123.00	s g o c m 10g 40o 50m	0.605
30.00	s g o c m 5g 35o 60m	0.421
0.00	279' gas in pipe	0.000

Total Length: 153.00 ft

Total Volume: 1.026 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

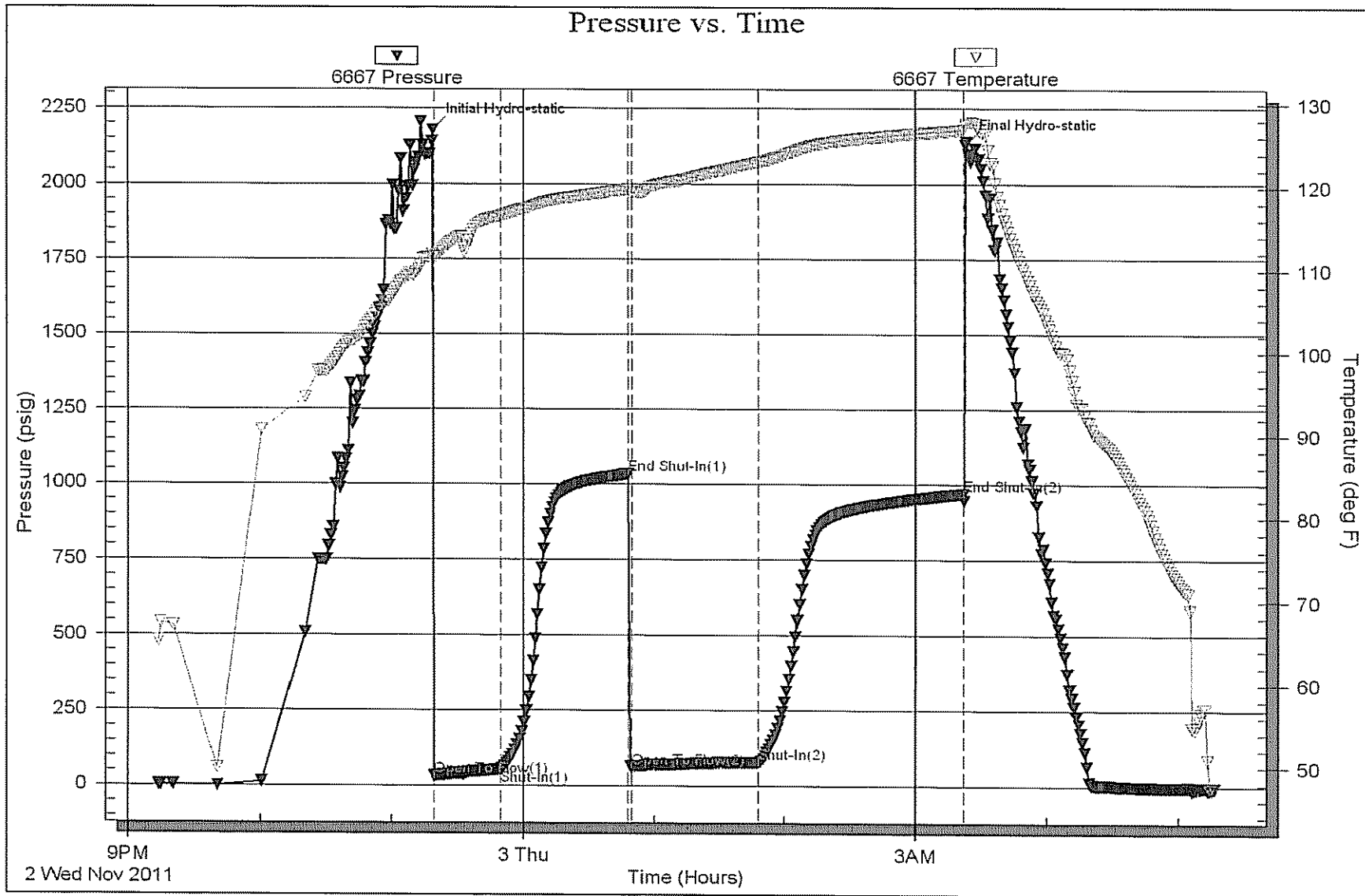
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

6-19-31 Scott Co KS

301 S Market St  
Wichita KS 67202

Ottaway #2-6

Job Ticket: 45413

DST#: 6

ATTN: Wes Hansen

Test Start: 2011.11.03 @ 13:36:14

### GENERAL INFORMATION:

Formation: **Marmaton B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:31:44

Time Test Ended: 20:20:14

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Interval: 4358.00 ft (KB) To 4380.00 ft (KB) (TVD)

Total Depth: 4380.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2973.00 ft (KB)

2968.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6771 Outside

Press@RunDepth: 20.74 psig @ 4359.00 ft (KB)

Start Date: 2011.11.03

End Date: 2011.11.03

Start Time: 13:36:14

End Time: 20:02:14

Capacity: 8000.00 psig

Last Calib.: 2011.11.03

Time On Btm: 2011.11.03 @ 15:31:29

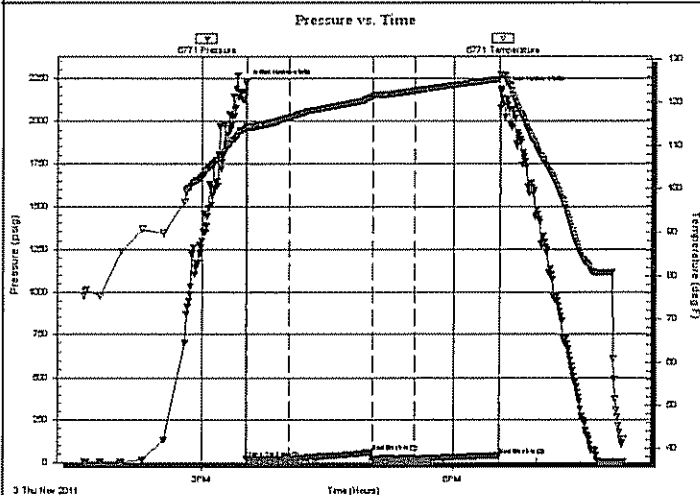
Time Off Btm: 2011.11.03 @ 18:34:14

TEST COMMENT: 1/4" in blow died in 15 min.

No return

No blow

No return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2220.26	114.53	Initial Hydro-static
1	21.62	114.16	Open To Flow (1)
31	20.66	116.37	Shut-In(1)
91	61.04	121.19	End Shut-In(1)
91	20.89	121.26	Open To Flow (2)
121	20.74	122.60	Shut-In(2)
182	40.71	125.38	End Shut-In(2)
183	2185.86	126.49	Final Hydro-static

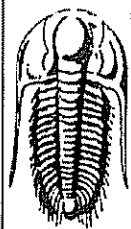
### Recovery

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

\* 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 Co

6-19-31 Scott Co KS

301 S Market St  
Wichita KS 67202

Ottaway #2-6

Job Ticket: 45413

DST#: 6

ATTN: Wes Hansen

Test Start: 2011.11.03 @ 13:36:14

### 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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1.00	mud 100% <sub>m</sub>	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:

