



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1059983

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
---	---

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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <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: _____ _____
---	--	--

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Knapp 5-31
Doc ID	1059983

Tops

Name	Top	Datum
Heebner	3898	-980
Lansing	3942	-1024
Stark Sh	4183	-1265
Hushpuckney	4220	-1302
Base KC	4260	-1342
Marmaton	4293	-1375
Pawnee	4379	-1461
Ft. Scott	4410	-1492
Cherokee	4430	-1512
Johnson	4506	-1588
Morrow	4528	-1610
Basal Penn	4560	-1642
Mississippian	4562	-1644

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

September 23, 2011

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

Re: ACO1  
API 15-063-21923-00-00  
Knapp 5-31  
NE/4 Sec.31-13S-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



PO BOX 31 Russell, KS 67665

# INVOICE

Invoice Number: 128042

Invoice Date: Jul 29, 2011

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

<b>Bill To:</b>
Lario Oil & Gas Co.

Federal Tax I.D.#: 20-5975804

Drilling AFE 11-181

8-8-2011 XB

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	Knapp #5-31	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jul 29, 2011	8/28/11

Quantity	Item	Description	Unit Price	Amount
3.00	MAT	Gel	21.25	63.75
165.00	MAT	ASC	19.00	3,135.00
375.00	MAT	Class A Light Weight	14.50	5,437.50
16.00	MAT	Salt	23.95	383.20
94.00	MAT	Flo Seal	2.70	253.80
825.00	MAT	Gilsonite	0.89	734.25
500.00	MAT	WFR II	1.27	635.00
615.00	SER	Handling	2.25	1,383.75
20.00	SER	Mileage	67.65	1,353.00
1.00	SER	Production Stage Two	2,405.00	2,405.00
40.00	SER	Heavy Vehicle Mileage	7.00	280.00
40.00	SER	Light Vehicle Mileage	4.00	160.00
10.00	SER	Additional Hours on Location	300.00	3,000.00
1.00	EQP	5 1/2 DV Tool	4,921.00	4,921.00
1.00	EQP	5 1/2 Latch Down Assembly	277.00	277.00
1.00	EQP	5 1/2 Basket	337.00	337.00
16.00	EQP	5 1/2 Centralizers	49.00	784.00
1.00	EQP	5 1/2 AFU Float Shoe	349.00	349.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Earl Rebarchek		

*Handwritten initials and a date stamp: AUG 10 2011*

Subtotal	25,892.25
Sales Tax	1,393.50
Total Invoice Amount	27,285.75
Payment/Credit Applied	
<b>TOTAL</b>	<b>27,285.75</b>

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

**\$ 590.33**

ONLY IF PAID ON OR BEFORE  
**Aug 23, 2011**



PO BOX 31 Russell, KS 67665

# INVOICE

Invoice Number: 127871

Invoice Date: Jul 16, 2011

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

**Bill To:**

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

Federal Tax I.D.#: 20-5975804

AFE-11-101  
 CK 7/20/11

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	Knapp #5-31 <i>Dogling</i>	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jul 16, 2011	8/15/11

Quantity	Item	Description	Unit Price	Amount
160.00	MAT	Class A Common	16.25	2,600.00
3.00	MAT	Gel	21.25	63.75
6.00	MAT	Chloride	58.20	349.20
169.00	SER	Handling	2.25	380.25
20.00	SER	Mileage 169 sx @.11 per sk per mi	18.59	371.80
1.00	SER	Surface	1,125.00	1,125.00
40.00	SER	Pump Truck Mileage	7.00	280.00
1.00	SER	Manifold Head Rental	200.00	200.00
40.00	SER	Light Vehicle Mileage	4.00	160.00

*Handwritten initials and signature*  
 AUG 1 2011  
*Handwritten initials*

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

**\$ 1370.89**

ONLY IF PAID ON OR BEFORE  
**Aug 10, 2011**

Subtotal	5,530.00
Sales Tax	242.54
Total Invoice Amount	5,772.54
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,772.54</b>

# ALLIED CEMENTING CO., LLC. 043450

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Oakley

DATE <u>7-16-11</u>	SEC <u>31</u>	TWP <u>13</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30pm</u>	JOB FINISH <u>9:00pm</u>
LEASE <u>Knapp</u>		WELL # <u>5-31</u>		LOCATION <u>Oakley 115 3E 6S</u>		COUNTY <u>Gove</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				<u>1W 1N W into</u>			

CONTRACTOR Falcon Drilling  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 269'  
 CASING SIZE 8 7/8 DEPTH 269'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 16 BBL  
 EQUIPMENT \_\_\_\_\_

OWNER same  
 CEMENT  
 AMOUNT ORDERED 160 sks com 3%cc  
2% gel

PUMP TRUCK CEMENTER Andrew  
 # 423-281 HELPER Jerry  
 BULK TRUCK  
 # 347 DRIVER Chris  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON <u>160 sks</u>	@ <u>16.25</u>	<u>2600.00</u>
POZMIX _____	@ _____	_____
GEL <u>3 sks</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE <u>6 sks</u>	@ <u>58.20</u>	<u>349.20</u>
ASC _____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>169 sks</u>	@ <u>2.125</u>	<u>380.25</u>
MILEAGE <u>114 sk/mile</u>		<u>371.80</u>
TOTAL		<u>3765.00</u>

REMARKS:

Cement did circulate

thank you

CHARGE TO: Lario oil + gas  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB <u>269</u>	
PUMP TRUCK CHARGE _____	<u>1125.00</u>
EXTRA FOOTAGE _____ @ _____	_____
MILEAGE <u>20 miles x 2</u> @ <u>7.00</u>	<u>280.00</u>
MANIFOLD <u>head</u> @ _____	<u>200.00</u>
<u>Light vehicle</u> @ <u>4.00</u>	<u>160.00</u>
_____ @ _____	_____
TOTAL <u>1765.00</u>	

PLUG & FLOAT EQUIPMENT

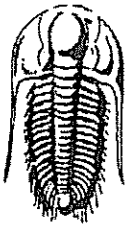
_____ @ _____	_____
_____ @ _____	_____
_____ @ _____	_____
_____ @ _____	_____
_____ @ _____	_____
TOTAL _____	

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 \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME \_\_\_\_\_  
 SIGNATURE Reynolds

Bid



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

#5-31

Lario Oil & Gas  
301 S Market St  
Wichita, Ks  
67202  
ATTN: Larry Friend

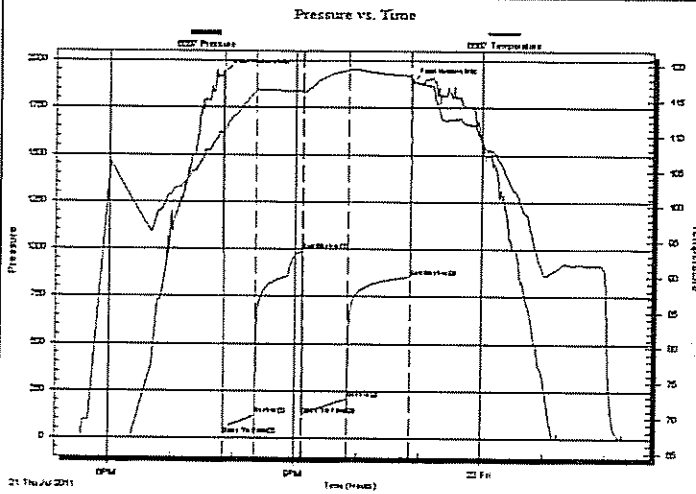
**Knapp #1-35**  
**31-13-31w Gove, Ks**  
Job Ticket: 43327      DST#: 1  
Test Start: 2011.07.21 @ 17:34:03

**GENERAL INFORMATION:**

Formation: B  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 19:50:33  
Time Test Ended: 02:30:33  
Interval: 3962.00 ft (KB) To 3996.00 ft (KB) (TVD)  
Total Depth: 3996.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Shane McBride  
Unit No: 55  
Reference Elevations: 2918.00 ft (KB)  
2909.00 ft (CF)  
KB to GR/CF: 9.00 ft

Serial #: 6667      Outside  
Press@RunDepth: 207.09 psig @ 3963.00 ft (KB)  
Start Date: 2011.07.21      End Date: 2011.07.22  
Start Time: 17:34:03      End Time: 02:17:33  
Capacity: 8000.00 psig  
Last Calib.: 2011.07.22  
Time On Btrr: 2011.07.21 @ 19:50:18  
Time Off Btrr: 2011.07.21 @ 22:52:18

TEST COMMENT: 10 1/2" in blow  
No return  
B.O.B. in 36 min.  
No return



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1933.25	111.08	Initial Hydro-static
1	18.19	110.63	Open To Flow (1)
32	120.12	116.35	Shut-In(1)
77	988.05	116.37	End Shut-In(1)
77	124.32	116.12	Open To Flow (2)
121	207.09	119.32	Shut-In(2)
182	852.70	118.57	End Shut-In(2)
182	1887.35	118.16	Final Hydro-static

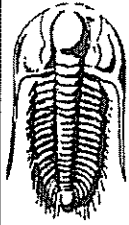
**Recovery**

Length (ft)	Description	Volume (bbl)
240.00	water w/oil spots 100%w	2.27
115.00	s m c w w/oil spots 20% m 80% w	1.61
5.00	free oil 100%o	0.07

**Gas Rates**

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





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas

**Knapp #1-35**

301 S Market St  
Wichita, Ks  
67202

**31-13-31w Gove, Ks**

Job Ticket: 43327

DST#: 1

ATTN: Larry Friend

Test Start: 2011.07.21 @ 17:34:03

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 29500 ppm
Viscosity: 42.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.96 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: 1.00 inches		

**Recovery Information**

Recovery Table

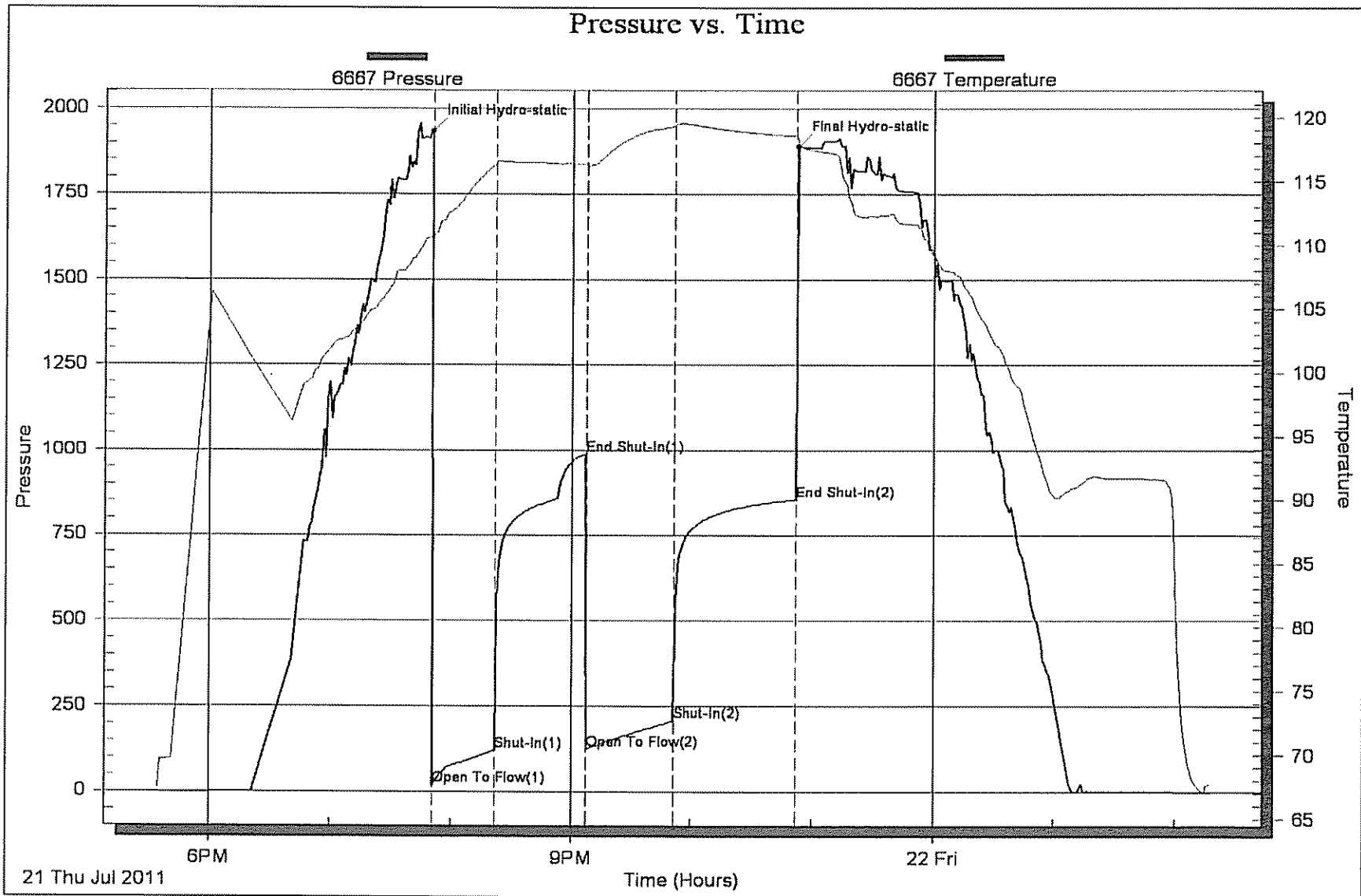
Length ft	Description	Volume bbl
240.00	water w/oil spots 100%w	2.273
115.00	s m c w w/oil spots 20%w 80%w	1.613
5.00	free oil 100%o	0.070

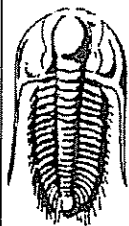
Total Length: 360.00 ft      Total Volume: 3.956 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: rw .238 @ 73°F = 29,500 chlor





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

#5-31

Lario Oil & Gas  
 301 S Market St  
 Wichita, Ks  
 67202  
 ATTN: Larry Friend

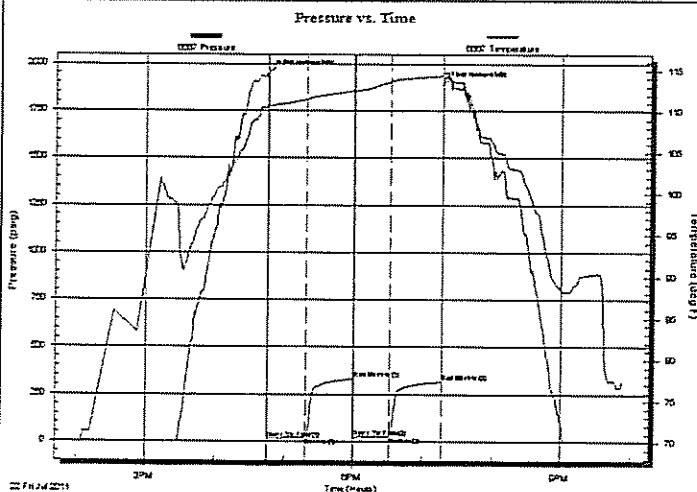
Knapp #1-35  
 31-13-31w Gove, Ks  
 Job Ticket: 43328      DST#: 2  
 Test Start: 2011.07.22 @ 14:05:21

## GENERAL INFORMATION:

Formation: D  
 Deviated: No Whipstock      ft (KB)  
 Time Tool Opened: 16:45:21  
 Time Test Ended: 22:10:51  
 Interval: 4014.00 ft (KB) To 4032.00 ft (KB) (TVD)  
 Total Depth: 4032.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 2918.00 ft (KB)  
 2909.00 ft (CF)  
 KB to GR/CF: 9.00 ft

Serial #: 6667      Outside  
 Press@RunDepth: 28.59 psig @ 4015.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2011.07.22      End Date: 2011.07.22      Last Calib.: 2011.07.22  
 Start Time: 14:05:21      End Time: 21:52:51      Time On Btm: 2011.07.22 @ 16:45:05  
 Time Off Btm: 2011.07.22 @ 19:16:51

TEST COMMENT: 1/4" in blow, died in 10 min.  
 No return  
 Weak surface blow died in 3 min.  
 No return



## PRESSURE SUMMARY

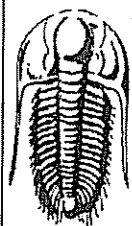
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1946.98	110.76	Initial Hydro-static
1	13.13	110.19	Open To Flow (1)
34	22.12	111.48	Shut-In(1)
76	329.24	112.54	End Shut-In(1)
76	22.85	112.41	Open To Flow (2)
106	28.59	113.63	Shut-In(2)
152	314.57	114.35	End Shut-In(2)
152	1887.02	114.68	Final Hydro-static

## Recovery

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

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas

**Knapp #1-35**

301 S Market St  
Wichita, Ks  
67202

**31-13-31w Gove, Ks**

Job Ticket: 43328

DST#: 2

ATTN: Larry Friend

Test Start: 2011.07.22 @ 14:05:21

**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:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

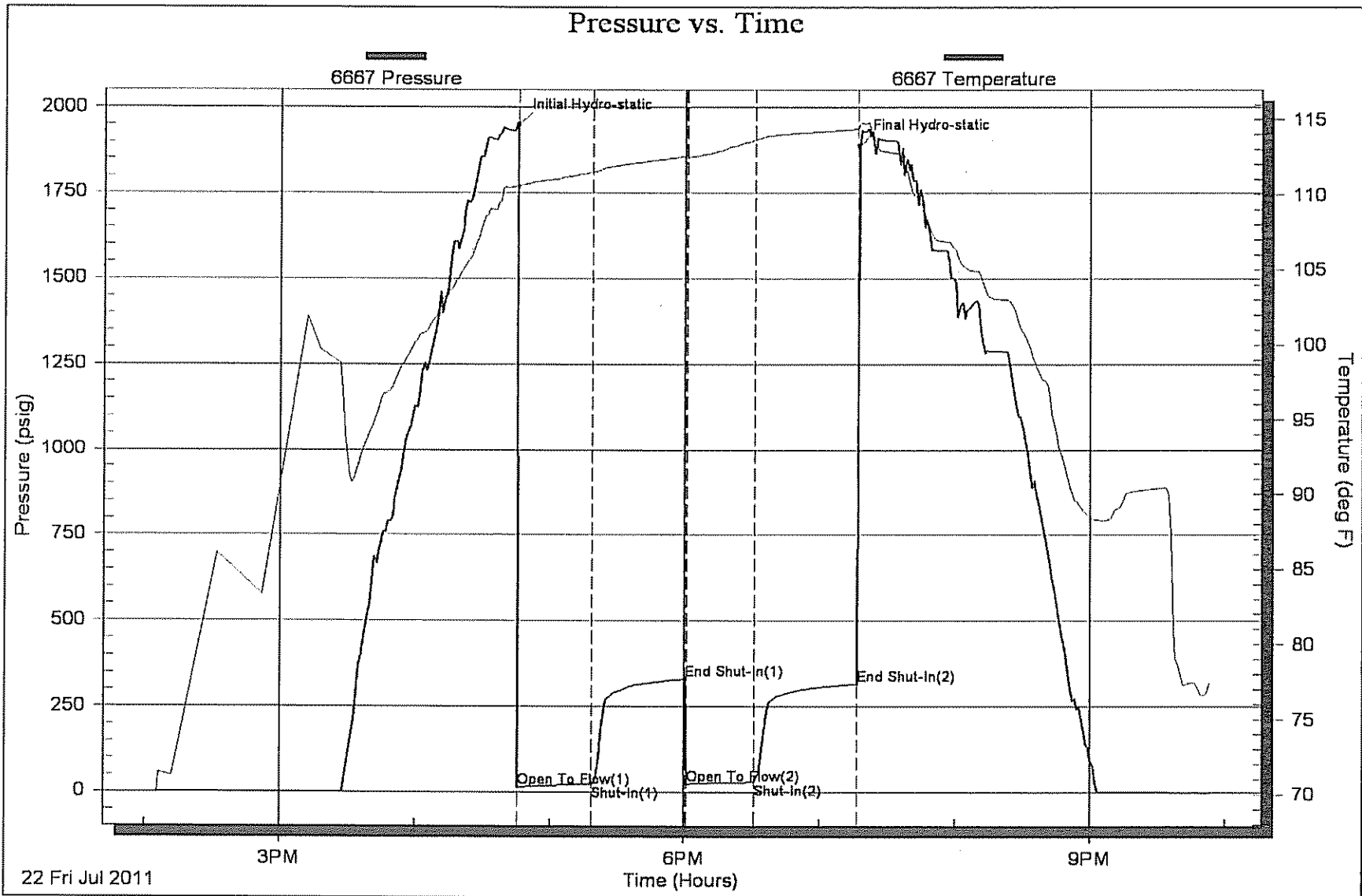
Num Gas Bombs: 0

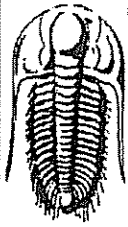
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

#5-31

Lario Oil & Gas  
301 S Market St  
Wichita, Ks  
67202  
ATTN: Larry Friend

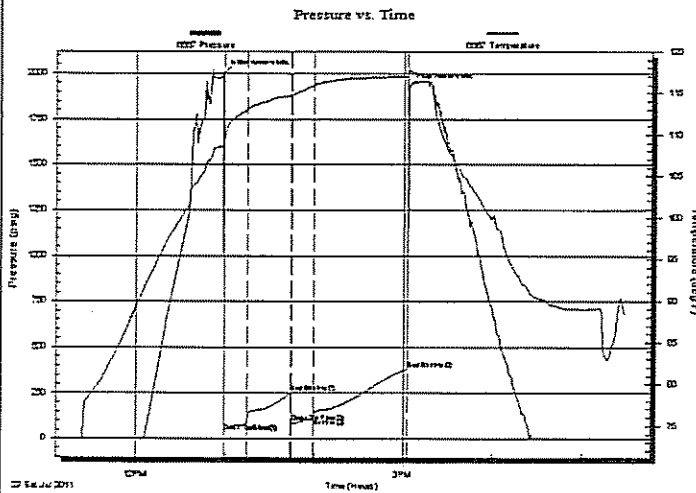
Knapp #1-35  
31-13-31w Gove, Ks  
Job Ticket: 43329      DST#: 3  
Test Start: 2011.07.23 @ 11:23:52

## GENERAL INFORMATION:

Formation: H  
Deviated: No      Whipstock      ft (KB)  
Time Tool Opened: 12:58:52  
Time Test Ended: 17:45:07  
Interval: 4098.00 ft (KB) To 4131.00 ft (KB) (TVD)  
Total Depth: 4131.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Shane McBride  
Unit No: 55  
Reference Elevations: 2918.00 ft (KB)  
2909.00 ft (CF)  
KB to GR/CF: 9.00 ft

Serial #: 6667      Outside  
Press@RunDepth: 113.79 psig @ 4099.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.07.23      End Date: 2011.07.23      Last Calib.: 2011.07.23  
Start Time: 11:23:52      End Time: 17:28:07      Time On Btm: 2011.07.23 @ 12:58:37  
Time Off Btm: 2011.07.23 @ 15:03:22

TEST COMMENT: B.O.B. in 6 min.  
1/2" in return blow died back to a surface blow  
B.O.B. in 6 min  
1/2" in return blow died in 50 min.



## PRESSURE SUMMARY

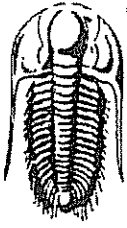
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1999.03	109.34	Initial Hydro-static
1	37.15	109.04	Open To Flow (1)
16	79.85	112.97	Shut-In(1)
46	254.39	114.68	End Shut-In(1)
46	88.22	114.64	Open To Flow (2)
61	113.79	115.91	Shut-In(2)
124	380.34	117.06	End Shut-In(2)
125	1927.07	117.84	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	g s m & w c o 60%g 10%m 10%w 20%o	0.59
130.00	g m c o 60%g 10%m 30%o	1.82
0.00	770' gas in pipe	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas  
301 S Market St  
Wichita, Ks  
67202  
ATTN: Larry Friend

**Knapp #1-35**  
**31-13-31w Gove, Ks**  
Job Ticket: 43329      DST#: 3  
Test Start: 2011.07.23 @ 11:23:52

**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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.80 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

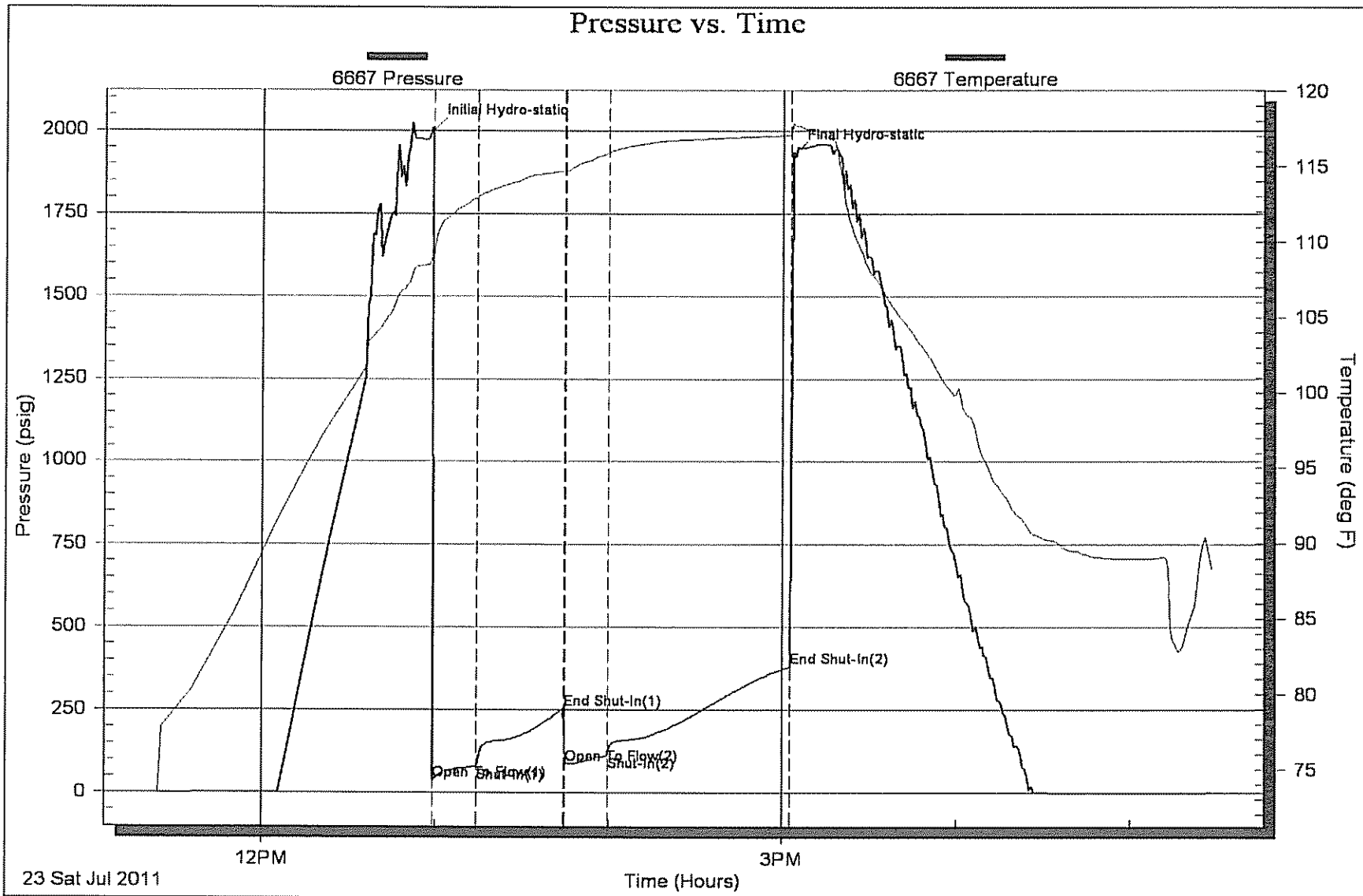
Length ft	Description	Volume bbl
120.00	g s m & w c o 60%g 10%m 10%w 20%o	0.590
130.00	g m c o 60%g 10%m 30%o	1.824
0.00	770' gas in pipe	0.000

Total Length: 250.00 ft      Total Volume: 2.414 bbl

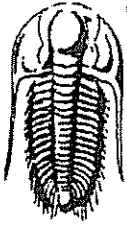
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

#531

Lario Oil & Gas  
301 S Market St  
Wichita, Ks  
67202  
ATTN: Larry Friend

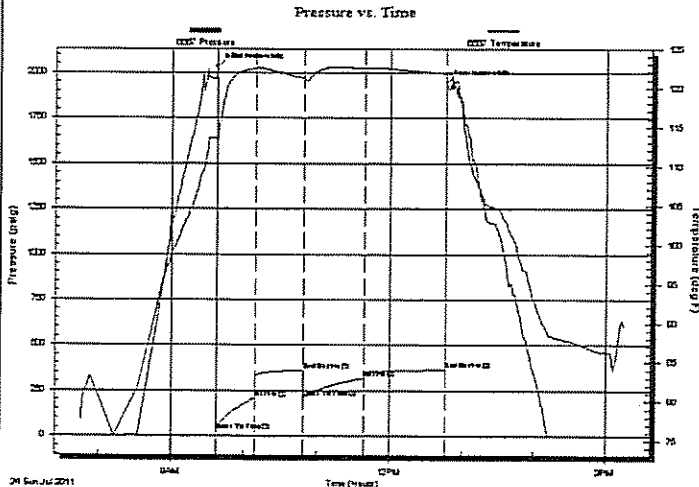
Knapp #1-35  
31-13-31w Gove, Ks  
Job Ticket: 43330      DST#: 4  
Test Start: 2011.07.24 @ 07:45:48

**GENERAL INFORMATION:**

Formation: I  
Deviated: No Whipstock      ft (KB)  
Time Tool Opened: 09:37:48  
Time Test Ended: 15:35:33  
Interval: 4135.00 ft (KB) To 4166.00 ft (KB) (TVD)  
Total Depth: 4166.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2918.00 ft (KB)  
2909.00 ft (CF)  
KB to GR/CF: 9.00 ft  
Test Type: Conventional Bottom Hole  
Tester: Shane McBride  
Unit No: 55

Serial #: 6667      Outside  
Press@RunDepth: 317.90 psig @ 4136.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.07.24      End Date: 2011.07.24      Last Calib.: 2011.07.24  
Start Time: 07:45:48      End Time: 15:14:33      Time On Btm: 2011.07.24 @ 09:37:18  
Time Off Btm: 2011.07.24 @ 12:46:18

TEST COMMENT: B.O.B. in 8 min  
No return  
B.O.B. in 18 min.  
No return



**PRESSURE SUMMARY**

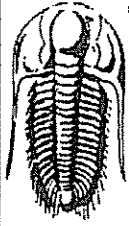
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2030.97	113.70	Initial Hydro-static
1	30.36	112.63	Open To Flow (1)
32	207.55	122.47	Shut-In(1)
72	360.97	121.28	End Shut-In(1)
72	211.09	121.18	Open To Flow (2)
122	317.90	122.59	Shut-In(2)
189	363.15	121.85	End Shut-In(2)
189	1941.62	122.13	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
420.00	water 100%w	4.80
120.00	s m c w 10% m 90% w	1.68
90.00	m c w 30% m 70% w oil spots in tool	1.26

**Gas Rates**

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas

Knapp #1-35

301 S Market St  
Wichita, Ks  
67202

31-13-31w Gove, Ks

Job Ticket: 43330

DST#: 4

ATTN: Larry Friend

Test Start: 2011.07.24 @ 07:45:48

**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:	34500 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3400.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
420.00	water 100%w	4.798
120.00	s m c w 10% m 90% w	1.683
90.00	m c w 30% m 70% w oil spots in tool	1.262

Total Length: 630.00 ft Total Volume: 7.743 bbl

Num Fluid Samples: 0

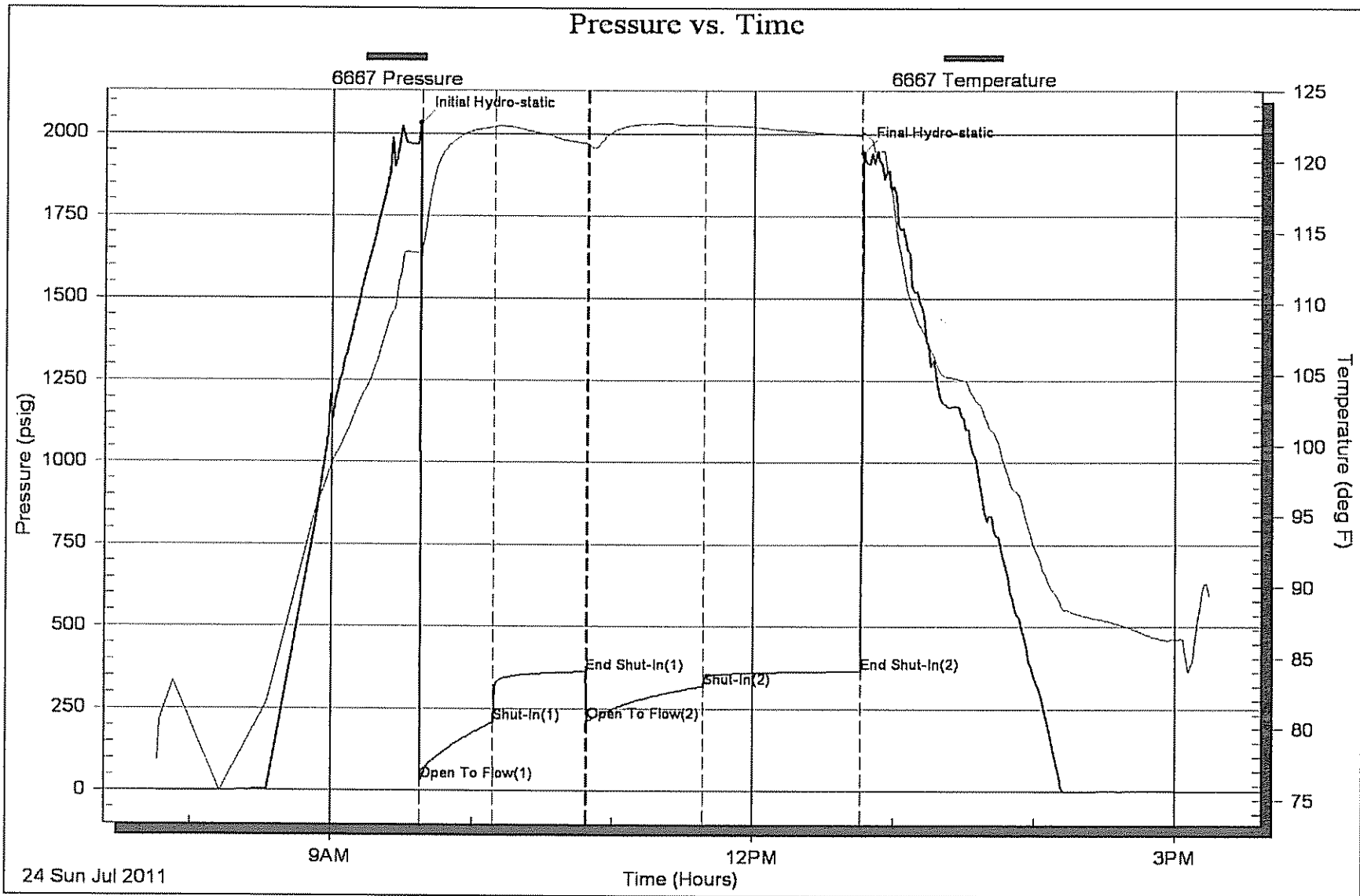
Num Gas Bombs: 0

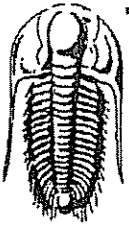
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .151 @91\*f = 34,500





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas  
301 S Market St  
Wichita, Ks  
67202  
ATTN: Larry Friend

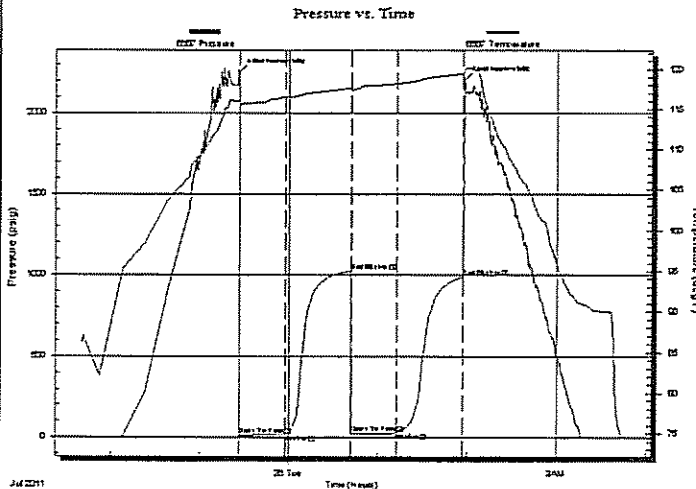
**Knapp #5-35**  
**31-13-31w Gove, Ks**  
Job Ticket: 43331      DST#: 5  
Test Start: 2011.07.25 @ 21:40:59

## GENERAL INFORMATION:

Formation: Ft Scott  
Deviated: No Whipstock      ft (KB)  
Time Tool Opened: 23:26:29  
Time Test Ended: 03:55:29  
Interval: 4409.00 ft (KB) To 4435.00 ft (KB) (TVD)  
Total Depth: 4435.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Shane McBride  
Unit No: 55  
Reference Elevations: 2918.00 ft (KB)  
2909.00 ft (CF)  
KB to GR/CF: 9.00 ft

Serial #: 6667      Outside  
Press@RunDepth: 29.78 psig @ 4410.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.07.25      End Date: 2011.07.26      Last Calib.: 2011.07.26  
Start Time: 21:40:59      End Time: 03:45:29      Time On Btm: 2011.07.25 @ 23:26:14  
Time Off Btm: 2011.07.26 @ 01:57:59

TEST COMMENT: 1/4" in blow died in 15 min.  
No return  
No blow  
No return



## PRESSURE SUMMARY

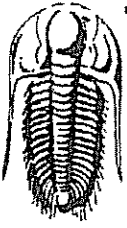
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.39	116.06	Initial Hydro-static
1	15.08	115.59	Open To Flow (1)
31	20.90	116.51	Shut-In(1)
76	1026.04	117.61	End Shut-In(1)
76	22.97	117.28	Open To Flow (2)
107	29.78	118.15	Shut-In(2)
151	987.39	119.37	End Shut-In(2)
152	2205.48	119.94	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w/oil spots 100%m	0.05

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Knapp #5-35**

301 S Market St  
Wichita, Ks  
67202

**31-13-31w Gove, Ks**

Job Ticket: 43331

DST#: 5

ATTN: Larry Friend

Test Start: 2011.07.25 @ 21:40:59

### 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: 9.57 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4400.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w/oil spots 100%m	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

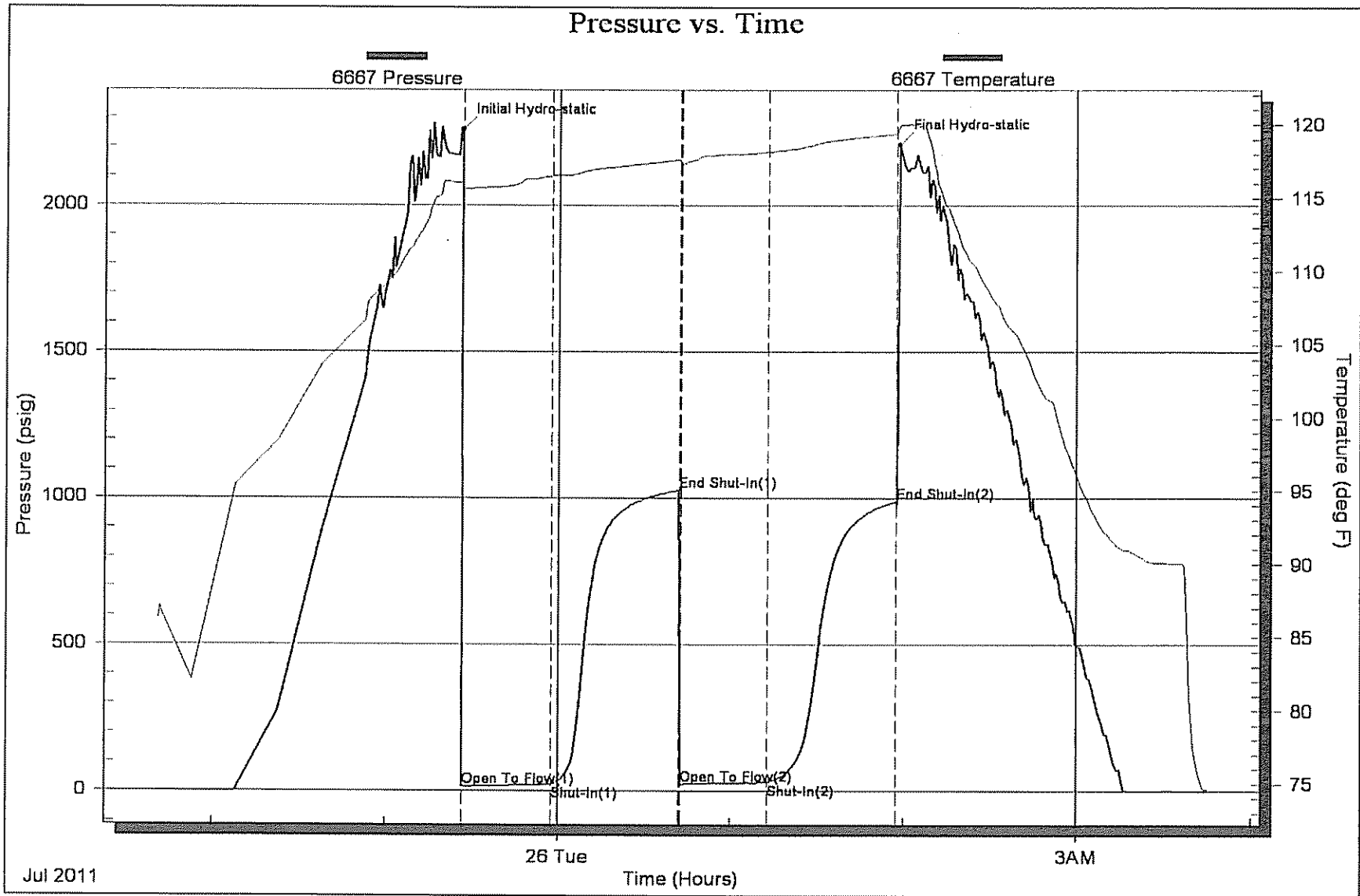
Num Gas Bombs: 0

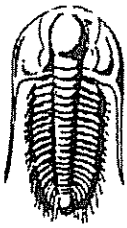
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas

301 S Market St  
Wichita, Ks  
67202  
ATTN: Larry Friend

**Knapp #5-35**

**31-13-31w Gove, Ks**

Job Ticket: 43332

DST#: 6

Test Start: 2011.07.26 @ 19:50:33

### GENERAL INFORMATION:

Formation: **Johnson**

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

Time Tool Opened: 21:53:48

Time Test Ended: 03:55:48

Test Type: Conventional Bottom Hole

Tester: **Shane McBride**

Unit No: 55

Interval: **4490.00 ft (KB) To 4539.00 ft (KB) (TVD)**

Total Depth: **4539.00 ft (KB) (TVD)**

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

Reference Elevations: **2918.00 ft (KB)**

**2909.00 ft (CF)**

KB to GR/CF: **9.00 ft**

Serial #: **6667**

Outside

Press@RunDepth: **139.13 psig @ 4491.00 ft (KB)**

Start Date: **2011.07.26**

End Date:

**2011.07.27**

Start Time: **19:50:33**

End Time:

**03:40:48**

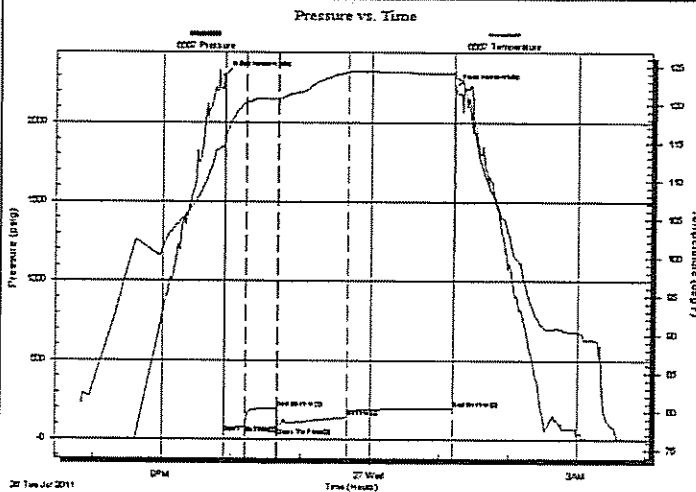
Capacity: **8000.00 psig**

Last Calib.: **2011.07.27**

Time On Btm: **2011.07.26 @ 21:53:33**

Time Off Btm: **2011.07.27 @ 01:12:33**

TEST COMMENT: B.O.B. in 3 min.  
No return  
B.O.B. in 1 min. G.T.S. 55 min into flow  
B.O.B. return blow in 20 min



### PRESSURE SUMMARY

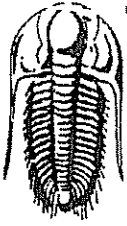
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2304.17	114.71	Initial Hydro-static
1	40.39	114.27	Open To Flow (1)
19	83.70	120.32	Shut-In(1)
46	197.70	120.83	End Shut-In(1)
47	76.89	120.37	Open To Flow (2)
107	139.13	124.31	Shut-In(2)
198	196.20	124.15	End Shut-In(2)
199	2224.02	124.25	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
180.00	g m c o 25%g 10%m 65%o	1.43
150.00	g o c m 20%g 35%o 45%m	2.10
0.00	gas to surface final flow	0.00

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Knapp #5-35**

301 S Market St  
Wichita, Ks  
67202

**31-13-31w Gove, Ks**

Job Ticket: 43332

DST#: 6

ATTN: Larry Friend

Test Start: 2011.07.26 @ 19:50:33

## 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: 63.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.36 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	g m c o 25%g 10%m 65%o	1.432
150.00	g o c m 20%g 35%o 45%m	2.104
0.00	gas to surface final flow	0.000

Total Length: 330.00 ft      Total Volume: 3.536 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

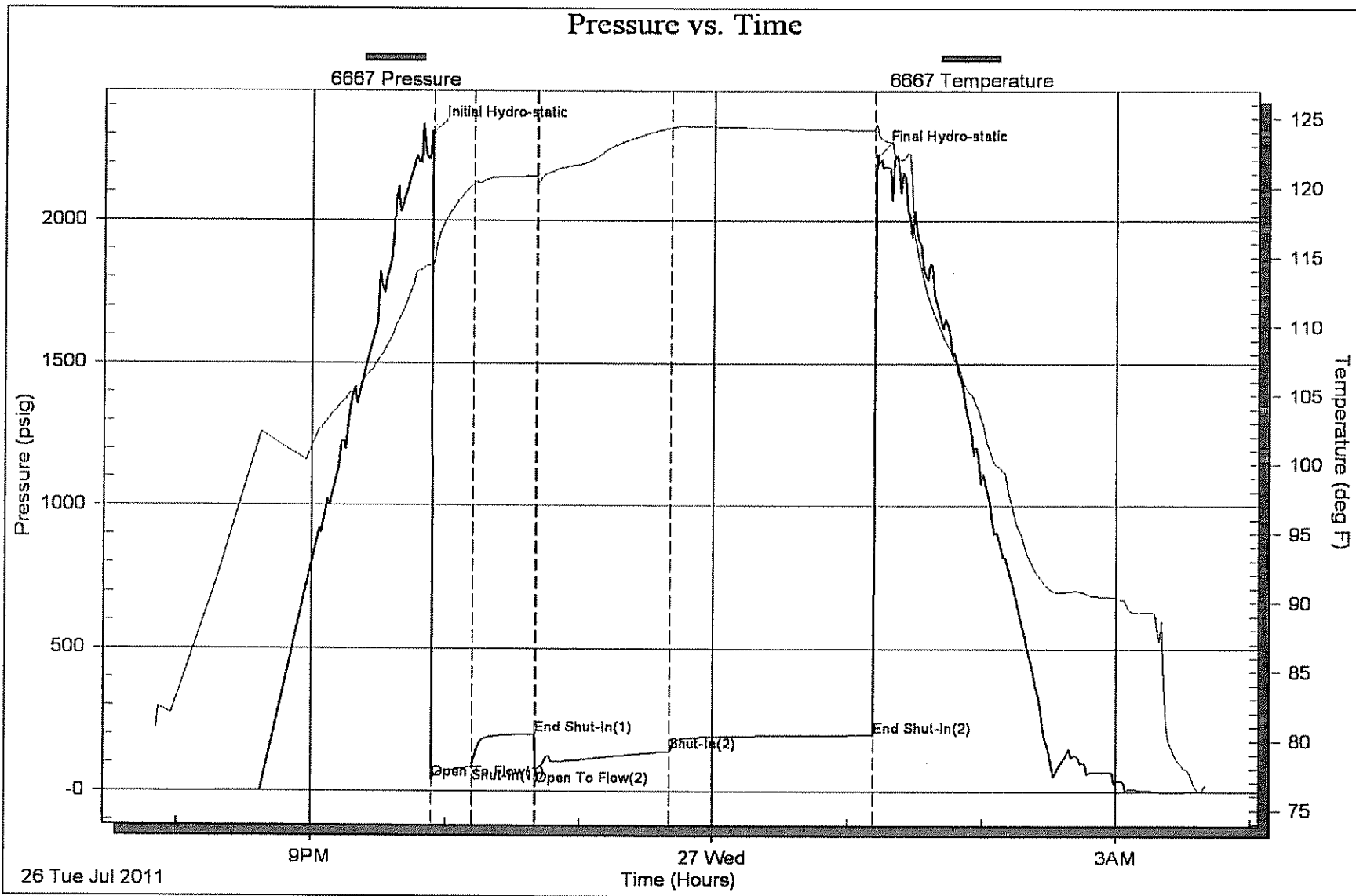
Serial #:

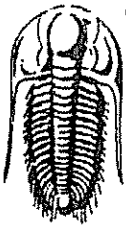
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas  
301 S Market St  
Wichita, Ks  
67202  
ATTN: Larry Friend

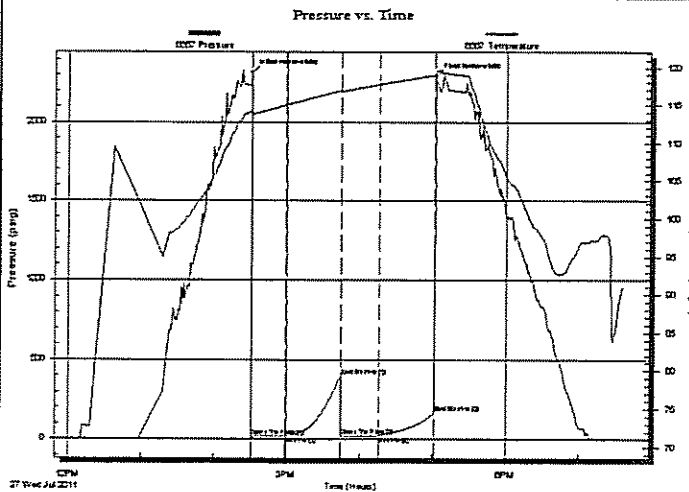
**Knapp #5-35**  
**31-13-31w Gove, Ks**  
Job Ticket: 43333      DST#: 7  
Test Start: 2011.07.27 @ 12:10:57

### GENERAL INFORMATION:

Formation: **Morrow**  
Deviated: **No Whipstock**      ft (KB)  
Time Tool Opened: 14:30:42  
Time Test Ended: 19:50:12  
Test Type: **Conventional Bottom Hole**  
Tester: **Shane McBride**  
Unit No: **55**  
Interval: **4534.00 ft (KB) To 4575.00 ft (KB) (TVD)**  
Reference Elevations: **2918.00 ft (KB)**  
**2909.00 ft (CF)**  
Total Depth: **4575.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
KB to GR/CF: **9.00 ft**

Serial #: **6667**      Outside  
Press@RunDepth: **21.98 psig @ 4535.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2011.07.27**      End Date: **2011.07.27**      Last Calib.: **2011.07.27**  
Start Time: **12:10:57**      End Time: **19:36:12**      Time On Btm: **2011.07.27 @ 14:30:27**  
Time Off Btm: **2011.07.27 @ 17:02:12**

TEST COMMENT: **Weak blow died in 6 min.**  
**No return**  
**No blow**  
**No return**



### PRESSURE SUMMARY

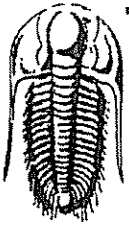
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2313.91	114.24	Initial Hydro-static
1	15.33	113.13	Open To Flow (1)
29	18.61	115.05	Shut-In(1)
74	393.08	116.99	End Shut-In(1)
75	19.04	116.81	Open To Flow (2)
106	21.98	117.75	Shut-In(2)
152	166.44	119.01	End Shut-In(2)
152	2287.43	119.41	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
1.00	mud w/oil spots 100%m	0.00

### Gas Rates

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



**TRIOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas

**Knapp #5-35**

301 S Market St  
Wichita, Ks  
67202

**31-13-31w Gove, Ks**

Job Ticket: 43333

DST#: 7

ATTN: Larry Friend

Test Start: 2011.07.27 @ 12:10:57

**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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

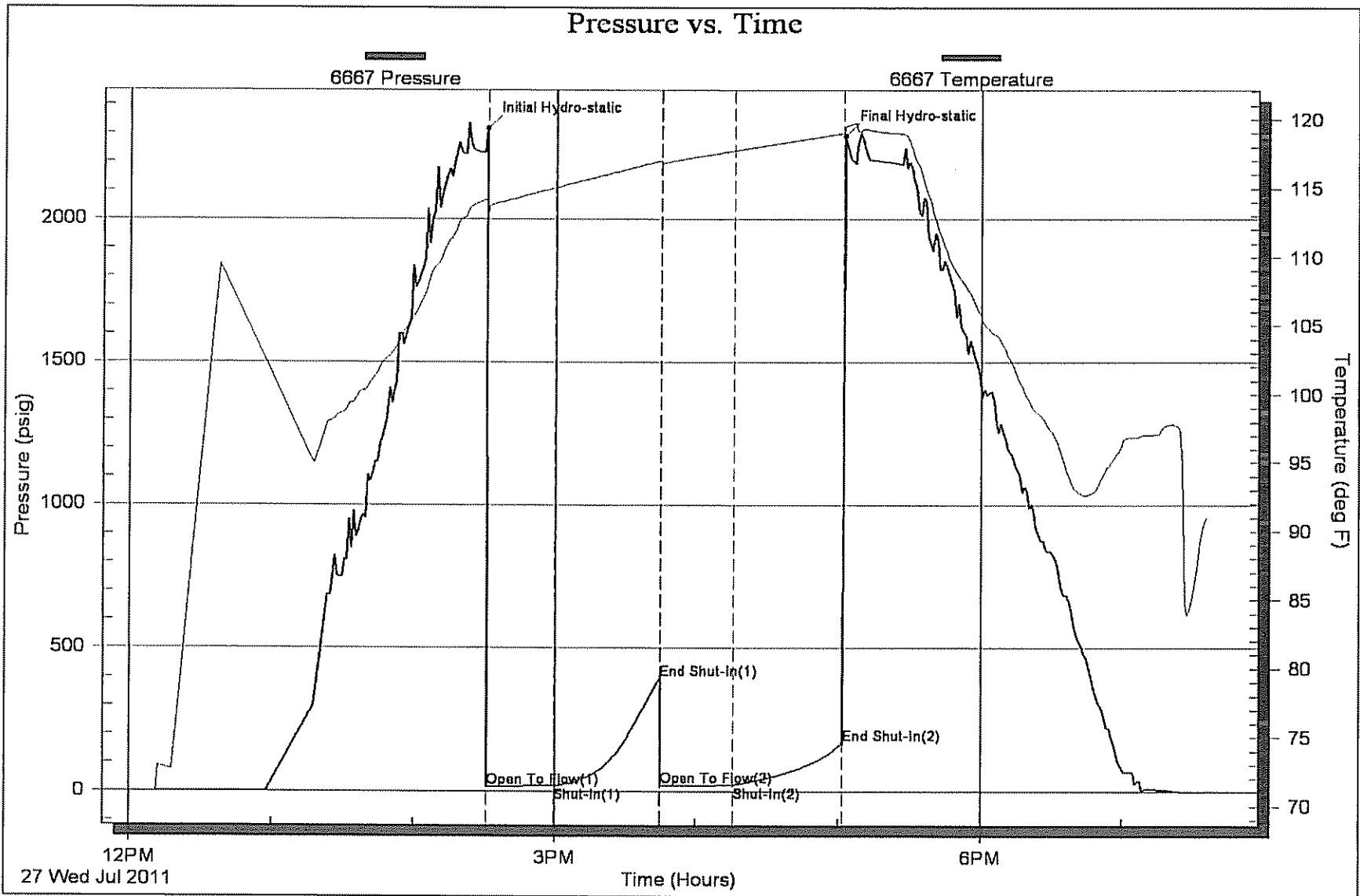
Length ft	Description	Volume bbl
1.00	mud w/ oil spots 100% <sub>m</sub>	0.005

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:



# ALLIED CEMENTING CO., LLC. 039999

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

*Oakley*

DATE <u>7/29/11</u>	SEC. <u>31</u>	TWP. <u>13</u>	RANGE <u>3/</u>	CALLED OUT	ON LOCATION <u>TOP 2:00 AM</u>	JOB START <u>2:30 PM</u>	JOB FINISH <u>2:30 PM</u>
LEASE <u>Krupp</u>	WELL # <u>5-31</u>	LOCATION <u>Oakley 11S 3E 6S 1W 1N Kinto</u>	COUNTY <u>Gove</u>	STATE <u>Ks</u>			

OLD OR NEW (Circle one) NEW

CONTRACTOR Falcon #1

TYPE OF JOB Production 2 Stage

HOLE SIZE 7 1/8 T.D.

CASING SIZE 5 1/2 DEPTH 4680

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DU TOOL DEPTH 2329

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 20'

CEMENT LEFT IN CSG.

PERFS. Bottom 54 H<sub>2</sub>O 59 1/2 Big Mud

DISPLACEMENT Top

OWNER Same

CEMENT

AMOUNT ORDERED 375 ALW 1/4 Flo Seal

165 ASC 5# Gilsomite

500 gal WFR II

COMMON	@		
POZMIX	@		
GEL	@	<u>3</u>	<u>21.25</u> <u>63.75</u>
CHLORIDE	@		
ASC	@	<u>165 SK</u>	<u>19.00</u> <u>3135.00</u>
ALW	@	<u>375 SK</u>	<u>14.50</u> <u>5437.50</u>
Salt	@	<u>165K</u>	<u>23.25</u> <u>383.25</u>
Flo Seal	@	<u>946</u>	<u>2.90</u> <u>253.80</u>
Gilsomite	@	<u>825</u>	<u>.89</u> <u>734.25</u>
WFR II 500 gal	@		<u>1.22</u> <u>635.00</u>
HANDLING	@	<u>615 SK</u>	<u>2.25</u> <u>1383.75</u>
MILEAGE	@	<u>14 SK</u> mile	<u>1353.00</u>
			TOTAL <u>13379.25</u>

EQUIPMENT

PUMP TRUCK CEMENTER Alan

# 422 HELPER Wayne

BULK TRUCK

# 347 DRIVER Wayne

BULK TRUCK

# 396 DRIVER Earl

REMARKS:

In Coy Circulate mix WFR II Mix 165 SK ASC  
Wash Truck - Lines, Displace Plug to latch down w/ 54 BBL H<sub>2</sub>O SERVICE  
and 59 1/2 BBL Big Mud Band Plug @ 1700 PST

w/ 800 PST LIFT. Drop Opening Tool, Reenter @ 1200  
PST Circulate Mix 30 SK RT, Mix 345 SK  
ALW 1/4 Flo Seal 5 1/2, Wash Truck - Lines  
Displace Plug to TOOL w/ 56 BBL H<sub>2</sub>O w/ 700 PST  
LIFT, Land Plug @ 2000 PST, TOOL Did  
Close. Cement Did Circulate Thank You Alan Wayne Earl

CHARGE TO: Lario Oil Co

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>2405.00</u>
EXTRA FOOTAGE	@	
MILEAGE 20 X 2	@	<u>7.00</u> <u>280.00</u>
MANIFOLD	@	
Cite Vehicle 20x2	@	<u>4.00</u> <u>160.00</u>
Waiting on location	@	<u>300.00</u> <u>3000.00</u>
Wait on Lito Plant & water. 10 hrs		TOTAL <u>5845.00</u>

PLUG & FLOAT EQUIPMENT

DU TOOL		<u>4921.00</u>
Catch Down Assembly	@	<u>277.00</u>
Basket	@	<u>337.00</u>
Control Rings -16	@	<u>49.00</u> <u>984.00</u>
AFU Float Shoe	@	<u>349.00</u>

AFE 11-181

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment