



**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: \_\_\_\_\_



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
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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
_____ 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
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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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Ottley 2-4
Doc ID	1058858

All Electric Logs Run

CDL/CNL/PE
DIL
SONIC
MEL

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Ottley 2-4
Doc ID	1058858

Tops

Name	Top	Datum
Heebner	3930	-994
Lansing	3976	-1040
Stark Shale	4206	-1270
Hushpuckney	4240	-1304
Base KC	4275	-1339
Marmaton	4336	-1400
Pawnee	4408	-1472
Ft. Scott	4434	-1498
Cherokee Sh	4457	-1521
Johnson	4533	-1597
Morrow	4552	-1616
Basal Penn	4580	-1644
Mississippian	4591	-1655
Spergen	4672	-1736

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 14, 2011

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

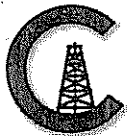
Re: ACO1  
API 15-063-21920-00-00  
Ottley 2-4  
NW/4 Sec.04-13S-31W  
Gove County, Kansas

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



**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 # 242279

Invoice Date: 06/30/2011 Terms: 25/25/30,n/30 Page 1

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

OTTLEY 2-4  
28060  
4-13S-31W  
6-23-11  
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	160.00	16.0000	2560.00
1102	CALCIUM CHLORIDE (50#)	450.00	.8800	396.00
1118B	PREMIUM GEL / BENTONITE	300.00	.2000	60.00
4432	8 5/8" WOODEN PLUG	1.00	93.0000	93.00

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-777.25
9999-130	CASH DISCOUNT	-355.88

Description	Hours	Unit Price	Total
439 TON MILEAGE DELIVERY	1.00	390.00	390.00
463 CEMENT PUMP (SURFACE)	1.00	985.00	985.00
463 EQUIPMENT MILEAGE (ONE WAY)	10.00	4.85	48.50

*BCP*  
*ATC 11-176*

Acct	Expl	File	OK	PAY
GC				
KG		JUL 5 2011		DB
HY				MM
PV				DM
GD				

*ad*  
*xc*  
*ad*  
*ya*

Amount Due 4782.78 if paid after 07/30/2011

Parts:	3109.00	Freight:	.00	Tax:	187.71	AR	3587.08
Labor:	.00	Misc:	.00	Total:	3587.08		
Sublt:	-1133.13	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 28060

LOCATION Ottley

FOREMAN Fuzz

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
6-23-11	4793	Ottley 2-4	4	135	31w	Goore <sup>KS</sup>
CUSTOMER <u>Largo Oil &amp; Gas</u>		Gove Rd 4112 E Sin	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			463	Josh G.		
CITY			439	Cory D.		
STATE						
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 239' CASING SIZE & WEIGHT 8 5/8  
 CASING DEPTH 239' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15.2 SLURRY VOL 1.24 WATER gal/sk 6.5 CEMENT LEFT in CASING 65'  
 DISPLACEMENT 14.2 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on Mur # 22. Rig up, circulate  
Mix 160 SFS Common 390cc 290gel. Displace 14.2 BBL  
cement did circulate approx 5 BBLs. to pit.

Thanks Fuzz

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	985.00	985.00
5406	10	MILEAGE	48.50	485.00
5407A	7.52 tow	Tow mileage Delivery		390.00
11045	160 SFS	Class A Cement		2560.00
1102	450 #	Calcium Chloride		396.00
1118B	300 #	Bentonite		60.00
4432	1	8 5/8 plus		93.00
		Subtotal		4532.00
		less discount		1133.13
		AS PER bid		
		2422.79		3399.37
		8.05%	SALES TAX	182.71
			ESTIMATED TOTAL	3587.08

Flavin 3737

AUTHORIZATION Kelly Wilson 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.

# INVOICE

Invoice Number: 127775

Invoice Date: Jul 1, 2011

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

**Bill To:**

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

Federal Tax I.D.#: 20-5975804

*Completion  
AFE-11-176  
CK 7/15/11*

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	<u>Ottley #2-4</u>	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jul 1, 2011	7/31/11

Quantity	Item	Description	Unit Price	Amount
4.00	MAT	Gel	21.25	85.00
215.00	MAT	ASC Class A	19.00	4,085.00
425.00	MAT	Lightweight Class A	14.50	6,162.50
21.00	MAT	Salt	23.95	502.95
1,075.00	MAT	Gilsonite	0.89	956.75
106.00	MAT	Flo seal	2.70	286.20
500.00	MAT	WFR-2	1.27	635.00
698.00	SER	Handling	2.25	1,570.50
17.00	SER	Mileage 698 sx @.11 per sk per mi	76.78	1,305.26
1.00	SER	Two Stage Production	2,405.00	2,405.00
34.00	SER	Pump Truck Mileage	7.00	238.00
1.00	SER	Manifold Head Rental	200.00	200.00
34.00	SER	Light Vehicle Mileage	4.00	136.00
1.00	EQP	5.5 AFU Float Shoe	349.00	349.00
1.00	EQP	5.5 Latch Down Plug Assembly	277.00	277.00
9.00	EQP	5.5 Centralizer	49.00	441.00
1.00	EQP	5.5 Basket	337.00	337.00
1.00	EQP	5.5 D V Tool	4,921.00	4,921.00
1.00	CEMENTER	Andrew Forslund		
1.00	OPER ASSIST	Jerry Yates		
1.00	OPER ASSIST	Ethan Glassman		

*Handwritten signatures and stamps over the table.*

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

**\$ 6,149.58**

ONLY IF PAID ON OR BEFORE  
**Jul 26, 2011**

Subtotal	24,893.16
Sales Tax	1,532.59
Total Invoice Amount	26,425.75
Payment/Credit Applied	
<b>TOTAL</b>	<b>26,425.75</b>



# ALLIED CEMENTING CO., LLC. 043437

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

DATE <u>7-1-11</u>	SEC <u>4</u>	TWP <u>13s</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30</u>	JOB FINISH <u>7:00</u>
LEASE <u>Oakley</u>	WELL # <u>2-4</u>	LOCATION <u>Oakley 115 4E Sinto</u>			COUNTY <u>Gove</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

Oakley  
Bottom top bottom top

CONTRACTOR <u>Murfin Drilling Rig 22</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Production (2 stage)</u>	
HOLE SIZE <u>7 7/8</u> I.D. <u>4200'</u>	CEMENT
CASING SIZE <u>5 1/2 14#</u> DEPTH <u>4713'</u>	AMOUNT ORDERED <u>215 sks Asc 10% salt</u>
TUBING SIZE _____ DEPTH _____	<u>21 gal 5# Gilsomite 500 gal WFR-2</u>
DRILL PIPE _____ DEPTH _____	<u>425 sks Lite 4# Flo-seal</u>
TOOL <u>DV</u> DEPTH <u>2244'</u>	
PRES. MAX _____ MINIMUM _____	COMMON _____ @ _____
MEAS. LINE _____ SHOE JOINT <u>42.14</u>	POZMIX _____ @ _____
CEMENT LEFT IN CSG. <u>42.14</u>	GEL <u>4 sks</u> @ <u>21.25</u> <u>85.00</u>
PERFS. <u>Bottom</u> <u>TOP</u>	CHLORIDE _____ @ _____
DISPLACEMENT <u>113.96</u> <u>54.75</u>	ASC <u>215 sks</u> @ <u>19.00</u> <u>4085.00</u>

**EQUIPMENT**

PUMP TRUCK # <u>423-281</u>	CEMENTER <u>Andrew</u>
BULK TRUCK # <u>347</u>	HELPER <u>Jerry</u>
BULK TRUCK # <u>394</u>	DRIVER <u>Mike Ethan</u>
	DRIVER <u>Mike Ethan</u>

<u>salt 21 sks</u>	@ <u>23.95</u>	<u>502.95</u>
<u>Gilsomite 1025#</u>	@ <u>0.89</u>	<u>916.75</u>
<u>Flo-seal 106#</u>	@ <u>2.10</u>	<u>222.60</u>
<u>WFR-2 500gal</u>	@ <u>1.27</u>	<u>635.00</u>
<u>HANDLING 698 sks</u>	@ <u>2.25</u>	<u>1570.50</u>
<u>MILEAGE 11# sk/mile</u>		<u>1305.26</u>
		<b>TOTAL <u>15589.16</u></b>

**REMARKS:**

Pump 500L water 500gal WFR-2 5 BBC  
water. mix 215 sks ASC wash pump and  
line clean. Release plug start displacement  
700# LIFT Land Plug 1200. Float held  
open DV TOOL 500# plug mouse hole  
20 sks Rat hole 30 sks mix 325 sks  
down 5/2 casing wash pump and line  
clean displace plug 450# LIFT Land  
plug 1400# tool closed cement  
circulated thank you

**SERVICE**

DEPTH OF JOB <u>4713'</u>	
PUMP TRUCK CHARGE	<u>2405.00</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>12 miles X 2</u>	@ <u>2.00</u> <u>238.00</u>
MANIFOLD head _____ @ _____	<u>200.00</u>
Light vehicle _____ @ _____	<u>4.00</u> <u>136.00</u>
	@ _____

CHARGE TO: Lario Oil and Gas

STREET \_\_\_\_\_

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

TOTAL 2979.00

**PLUG & FLOAT EQUIPMENT**

<u>5/2</u>	
<u>1 Abu float shoe</u>	@ <u>349.00</u>
<u>1 Latchdown plug Assy</u>	@ <u>227.00</u>
<u>9 Centralizers</u>	@ <u>49.00</u> <u>441.00</u>
<u>1 Basket</u>	@ <u>332.00</u>
<u>1 DV TOOL</u>	@ <u>492.00</u>
TOTAL <u>6325.00</u>	

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) \_\_\_\_\_

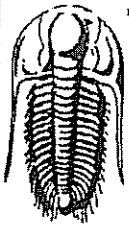
TOTAL CHARGES \_\_\_\_\_

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

PRINTED NAME Curtis Keil

SIGNATURE Curtis Keil

Bid



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil and Gas

Ottley #2-4

301 S. Market  
Wichita, KS

S4-13-21 Gove, KS

Job Ticket: 43150

DST#: 1

ATTN: David Barker

Test Start: 2011.06.27 @ 01:33:00

## GENERAL INFORMATION:

Formation: **Lansing C+D**

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

Time Tool Opened: 04:13:40

Time Test Ended: 11:35:19

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 4024.00 ft (KB) To 4070.00 ft (KB) (TVD)

Total Depth: 4070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2936.00 ft (KB)

2925.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6751 Outside

Press@RunDepth: 820.26 psig @ 4025.00 ft (KB)

Start Date: 2011.06.27

End Date:

2011.06.27

Capacity: 8000.00 psig

Last Calib.: 2011.06.27

Start Time: 01:33:02

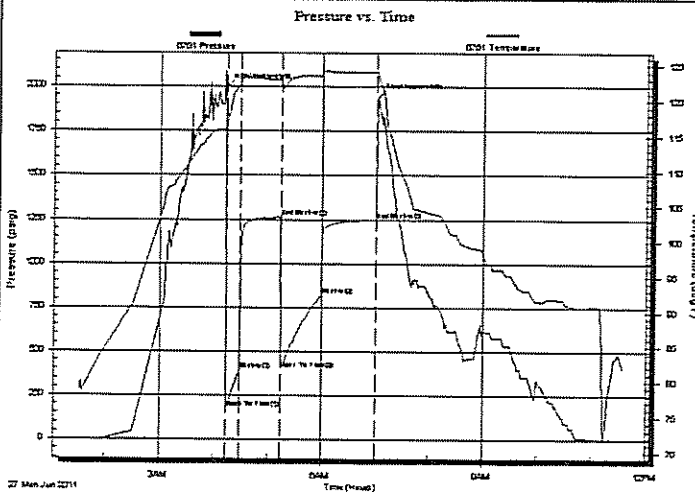
End Time:

11:35:19

Time On Btm: 2011.06.27 @ 04:12:00

Time Off Btm: 2011.06.27 @ 07:02:39

TEST COMMENT: IF: B.O.B. @ 1 min.  
IS: B.O.B. @ 4 min.  
FF: B.O.B. @ 2 min.  
FSt 5" Return died @ 40 min.



## PRESSURE SUMMARY

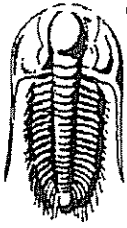
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1997.12	116.00	Initial Hydro-static
2	171.62	115.81	Open To Flow (1)
17	389.31	122.36	Shut-In(1)
62	1262.21	123.08	End Shut-In(1)
63	399.22	122.62	Open To Flow (2)
108	820.26	123.59	Shut-In(2)
169	1249.47	124.12	End Shut-In(2)
171	1940.63	123.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW.155 @ 76 degrees F = 41000 FFW0.00	
180.00	GOCMV 10g 3o 22m 65w	0.89
248.00	GWCO 15g 25w 60o	3.48
620.00	CGO 30g 70o	8.70
1250.00	CGO 55g 45o	17.53
0.00	1210 Feet GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil and Gas

**Ottley #2-4**

301 S. Market  
Wichita, KS

**S4-13-21 Gove, KS**

ATTN: David Barker

Job Ticket: 43150

DST#: 1

Test Start: 2011.06.27 @ 01:33:00

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API: 40 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 41000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: 1.00 inches		

**Recovery Information**

Recovery Table

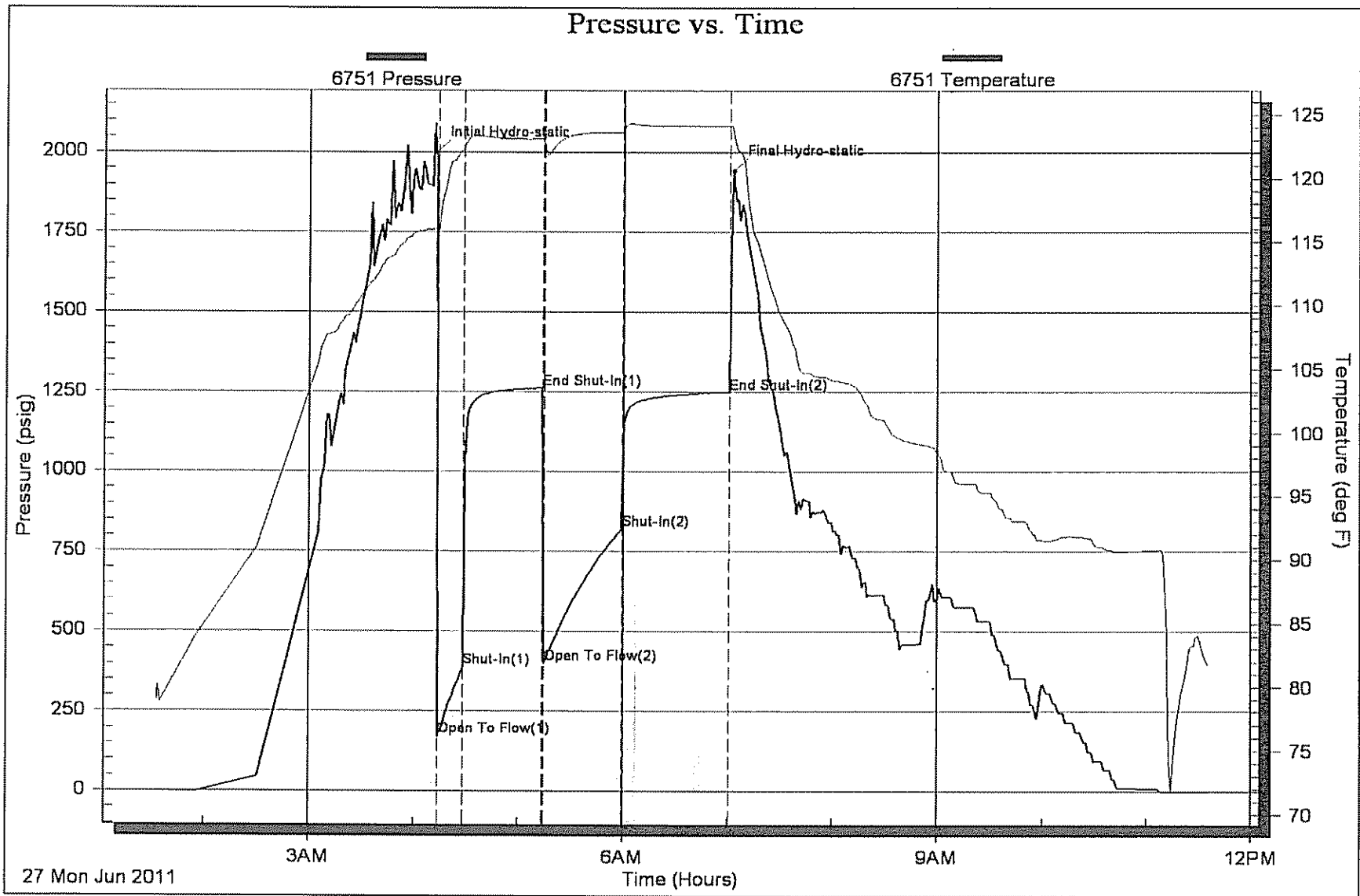
Length ft	Description	Volume bbl
0.00	RW: 155 @ 76 degrees F = 41000 PPM	0.000
180.00	GOCMW 10g 3o 22m 65w	0.885
248.00	GWCO 15g 25w 60o	3.479
620.00	CGO 30g 70o	8.697
1250.00	CGO 55g 45o	17.534
0.00	1210 Feet GIP	0.000

Total Length: 2298.00 ft      Total Volume: 30.595 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: API:41 @ 70 Degrees F = 40.





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Lario Oil and Gas

Offley #2-4

301 S. Market  
Wichita, KS 67202

S4-13-21 Gove, KS

Job Ticket: 43376

DST#: 2

ATTN: David Barker

Test Start: 2011.06.28 @ 02:03:00

### GENERAL INFORMATION:

Formation: LKC 'H, I, J'

Deviated: No Whipstock ft (KB)

Time Tool Opened: 04:13:50

Time Test Ended: 09:50:20

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 4114.00 ft (KB) To 4204.00 ft (KB) (TVD)

Total Depth: 4204.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2936.00 ft (KB)

2925.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8018

Inside

Press@RunDepth: 372.91 psig @ 4116.00 ft (KB)

Start Date: 2011.06.28

End Date:

2011.06.28

Start Time: 02:03:02

End Time:

09:50:20

Capacity: 8000.00 psig

Last Calib.: 2011.06.28

Time On Btrc: 2011.06.28 @ 04:12:20

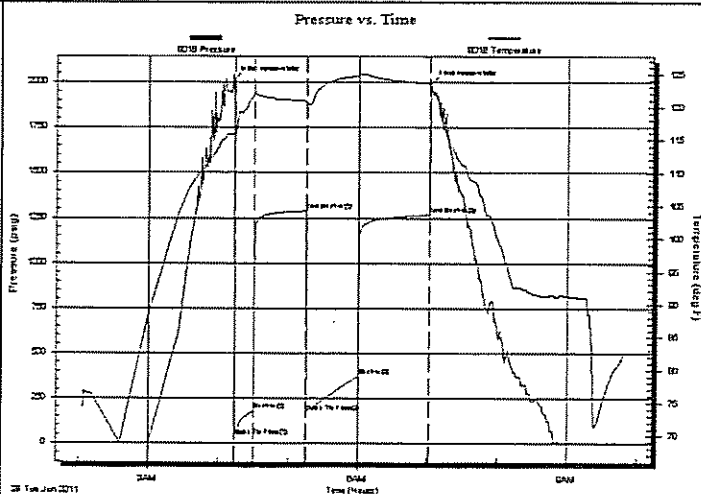
Time Off Btrc: 2011.06.28 @ 07:02:30

TEST COMMENT: IF: B.O.B. @ 8 min.

IS: No return.

FF: B.O.B. @ 14 min.

FS: No return.



### PRESSURE SUMMARY

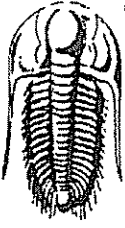
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2009.52	115.94	Initial Hydro-static
2	40.35	115.43	Open To Flow (1)
18	179.27	121.83	Shut-In(1)
63	1287.64	120.93	End Shut-In(1)
64	173.80	120.36	Open To Flow (2)
108	372.91	124.69	Shut-In(2)
169	1266.99	123.53	End Shut-In(2)
171	1992.01	123.11	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
428.00	GOSMW 3g 17m 80w	4.36
342.00	GOSWM 5g 15w 80m	4.80

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil and Gas

**Ottley #2-4**

301 S. Market  
Wichita, KS 67202

**S4-13-21 Gove, KS**

Job Ticket: 43376

DST#: 2

ATTN: David Barker

Test Start: 2011.06.28 @ 02:03:00

**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: 50000 ppm	
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2800.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
428.00	GOSMV 3g 17m 80w	4.364
342.00	GOSVM 5g 15w 80m	4.797

Total Length: 770.00 ft      Total Volume: 9.161 bbl

Num Fluid Samples: 0

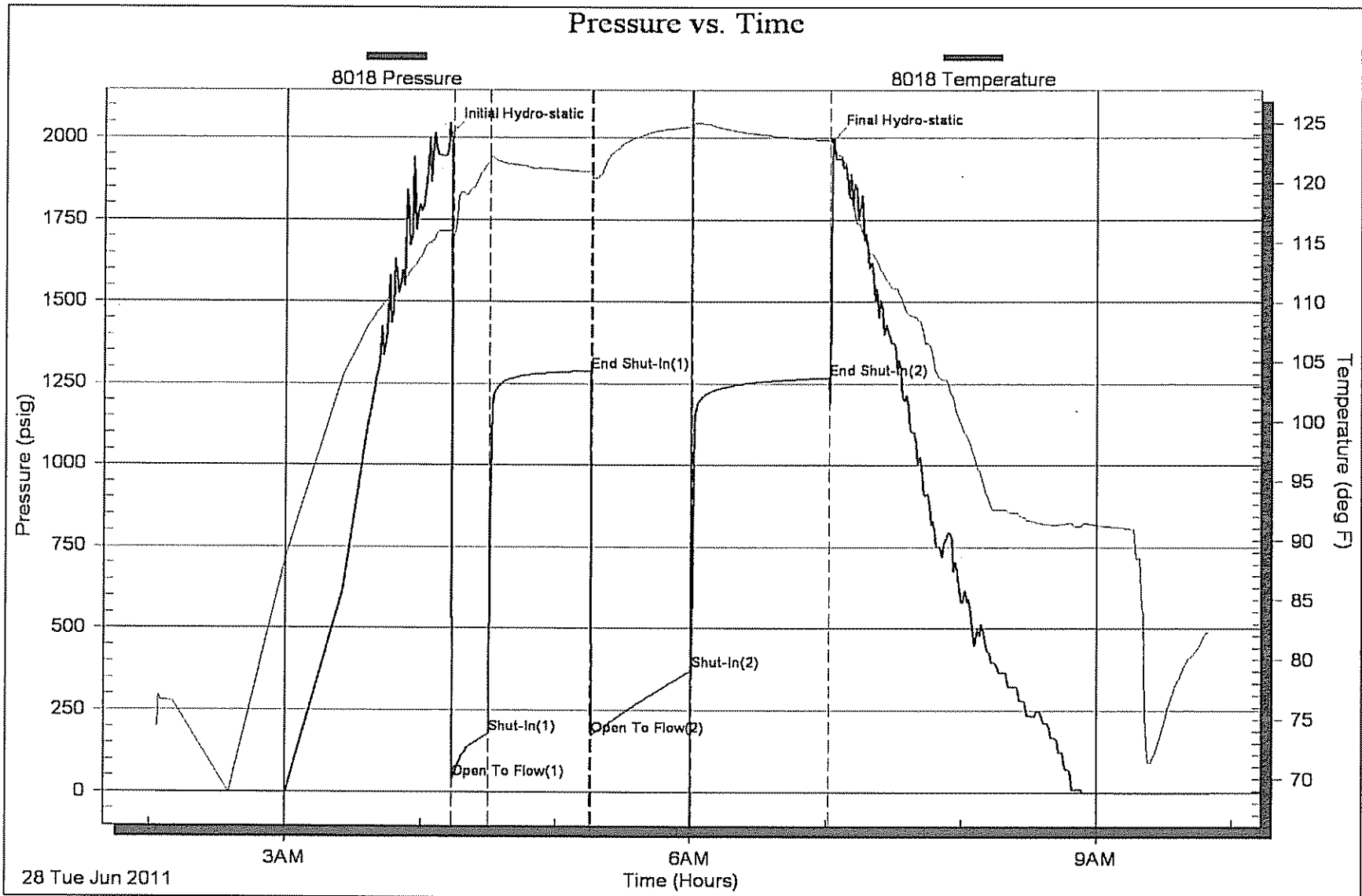
Num Gas Bombs: 0

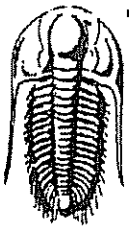
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.145 @ 76 degrees F = 50000 PPM





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil and Gas

301 S. Market  
Wichita, KS 67202

ATTN: David Barker

**Ottley #2-4**

**S4-13-21 Gove, KS**

Job Ticket: 43377

DST#: 3

Test Start: 2011.06.29 @ 06:06:00

### GENERAL INFORMATION:

Formation: **Ft. Scott**

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

Time Tool Opened: 08:31:40

Time Test Ended: 14:02:20

Test Type: **Conventional Bottom Hole**

Tester: **Chuck Smith**

Unit No: **37**

Interval: **4424.00 ft (KB) To 4480.00 ft (KB) (TVD)**

Total Depth: **4480.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2936.00 ft (KB)**

**2925.00 ft (CF)**

KB to GR/CF: **11.00 ft**

**Serial #: 6751** **Outside**

Press@RunDepth: **147.58 psig @ 4425.00 ft (KB)**

Start Date: **2011.06.29**

End Date: **2011.06.29**

Start Time: **06:06:02**

End Time: **14:02:19**

Capacity: **8000.00 psig**

Last Calib.: **2011.06.29**

Time On Btrr: **2011.06.29 @ 08:30:30**

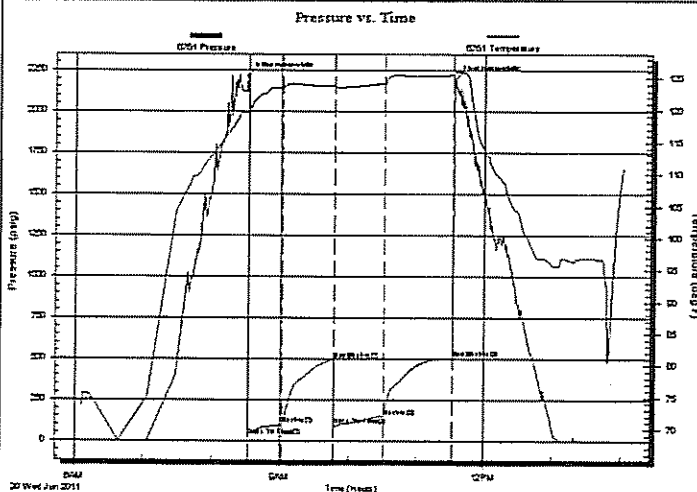
Time Off Btrr: **2011.06.29 @ 11:33:30**

TEST COMMENT: **IF: B.O.B. @ 9 min.**

**IS: 1/4" Return died @ 17 min.**

**FF: B.O.B. @ 5 min.**

**FSt: 1 1/2" Return died @ 35 min.**



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2213.32	119.70	Initial Hydro-static
2	28.62	118.87	Open To Flow (1)
32	97.92	123.37	Shut-In(1)
77	494.25	123.90	End Shut-In(1)
77	93.90	123.73	Open To Flow (2)
122	147.58	124.17	Shut-In(2)
182	505.49	125.42	End Shut-In(2)
183	2195.28	125.91	Final Hydro-static

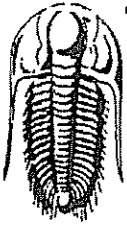
### Recovery

Length (ft)	Description	Volume (bbl)
180.00	GOCM 10g 10o 80m	0.89
126.00	GMCO 30g 30m 40o	1.77
20.00	GMCO 50g 10m 40o	0.28
0.00	1053 Feet weak GIP	0.00

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil and Gas

**Ottley #2-4**

301 S. Market  
Wichita, KS 67202

**S4-13-21 Gove, KS**

ATTN: David Barker

Job Ticket: 43377

DST#: 3

Test Start: 2011.06.29 @ 06:06:00

## 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:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in*	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3400.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	GOCM 10g 10o 80m	0.885
126.00	GMCO 30g 30m 40o	1.767
20.00	GMCO 50g 10m 40o	0.281
0.00	1053 Feet weak GIP	0.000

Total Length: 326.00 ft      Total Volume: 2.933 bbl

Num Fluid Samples: 0

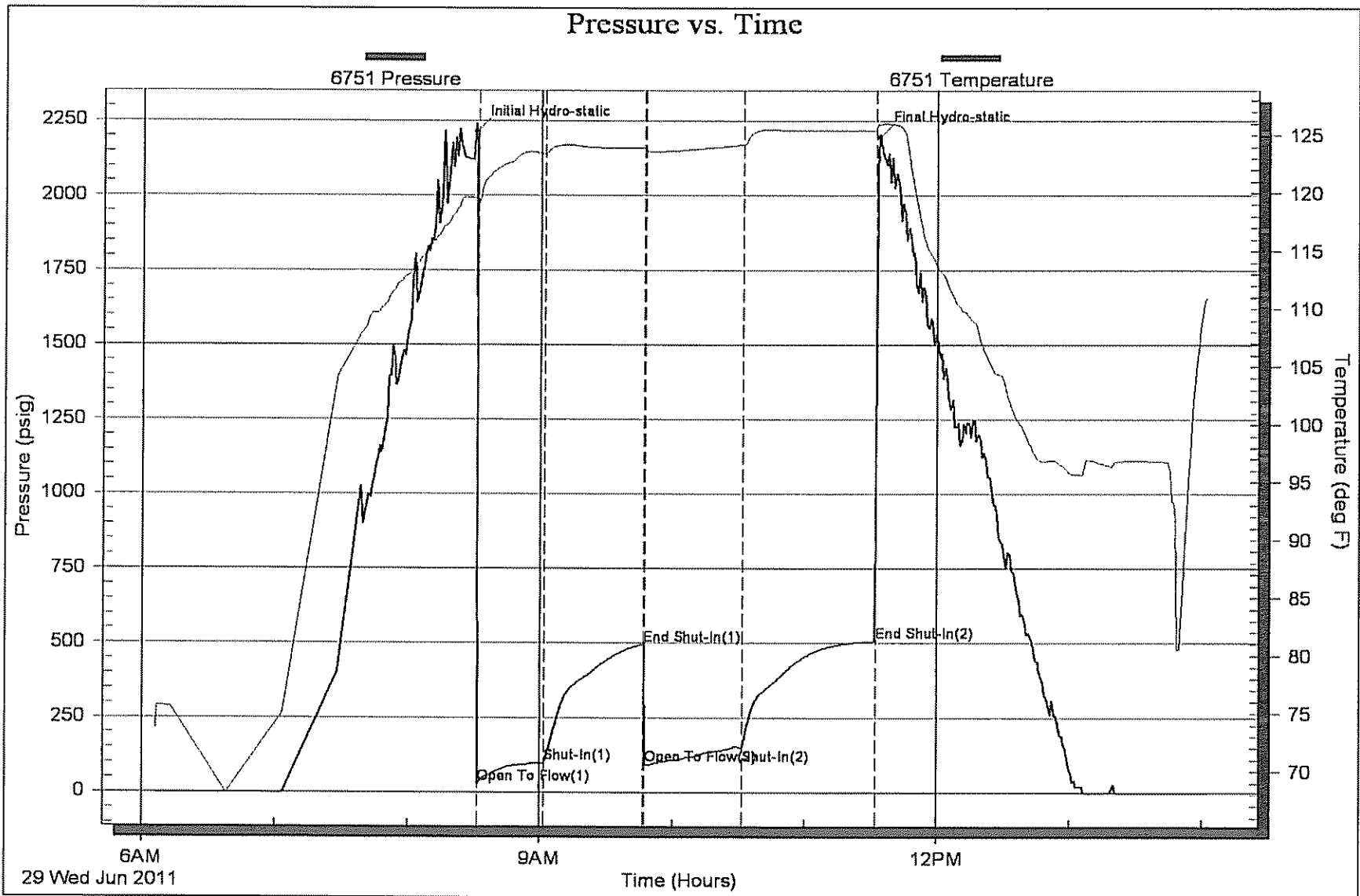
Num Gas Bombs: 0

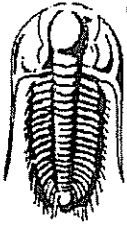
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil and Gas

301 S. Market  
Wichita, KS 67202

ATTN: David Barker

Ottley #2-4

S4-13-21 Gove, KS

Job Ticket: 43378

DST#: 4

Test Start: 2011.06.30 @ 00:35:00

### GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:44:20

Time Test Ended: 08:32:39

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **4489.00 ft (KB) To 4558.00 ft (KB) (TVD)**

Reference Elevations: 2936.00 ft (KB)

Total Depth: 4558.00 ft (KB) (TVD)

2925.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: **8018** Inside

Press@RunDepth: 73.54 psig @ 4490.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.30

End Date: 2011.06.30

Last Calib.: 2011.06.30

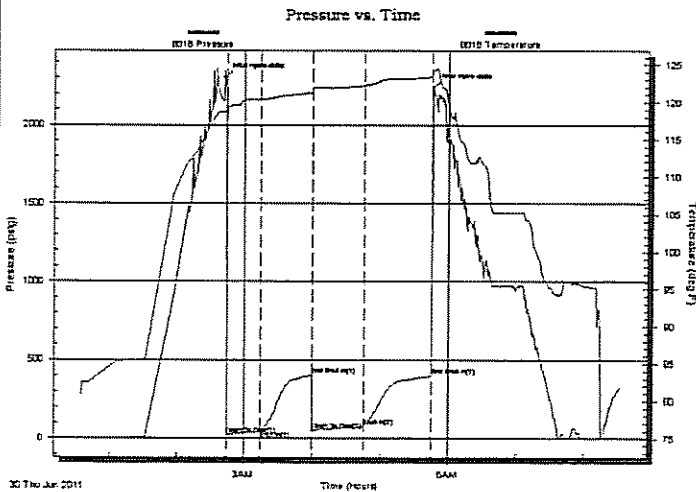
Start Time: 00:35:02

End Time: 08:32:40

Time On Btm: 2011.06.30 @ 02:42:40

Time Off Btm: 2011.06.30 @ 05:46:39

TEST COMMENT: IF: 5" Blow.  
IS: No return.  
FF: 8" Blow.  
FSI: No return.



### PRESSURE SUMMARY

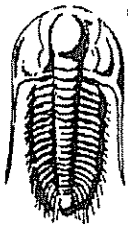
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2299.46	118.71	Initial Hydro-static
2	18.86	117.77	Open To Flow(1)
32	44.04	120.33	Shut-In(1)
77	402.20	121.27	End Shut-In(1)
78	47.23	121.49	Open To Flow(2)
123	73.54	122.18	Shut-In(2)
183	395.38	123.35	End Shut-In(2)
184	2238.87	124.10	Final Hydro-static

### Recovery

Length(ft)	Description	Volume(bbl)
126.00	OCM 10o 90m	0.62
30.00	OCM 20o 80m	0.15
2.00	O 100o	0.01

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil and Gas

**Ottley #2-4**

301 S. Market  
Wichita, KS 67202

**S4-13-21 Gove, KS**

ATTN: David Barker

Job Ticket: 43378

DST#: 4

Test Start: 2011.06.30 @ 00:35:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm	
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 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 bbl
126.00	OCM 10o 90m	0.620
30.00	OCM 20o 80m	0.148
2.00	O 100o	0.010

Total Length: 158.00 ft      Total Volume: 0.778 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API:32 @ 70 Degrees F = 31

Serial #: 8018

Inside

Lario Oil and Gas

S4-13-21 Gove, KS

DST Test Number: 4

