



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 145218  
Invoice Date: Aug 18, 2014  
Page: 1

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

<b>Bill To:</b>
Larib Oil & Gas Co. Larib Oil & Gas Co. P.O. Box 1093 Garden City, KS 67846

*drilling AFS 14 171  
9-2-14 LK*

Customer ID	Field Ticket #	Payment Terms	
Larib	64176	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Aug 18, 2014	9/17/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	J F Group A #2-19		
225.00	CEMENT MATERIALS	Class A Common	17.90	4,027.50
635.00	CEMENT MATERIALS	Chloride	1.10	698.50
237.56	CEMENT SERVICE	Cubic Feet Charge	2.48	589.15
544.61	CEMENT SERVICE	Ton Mileage Charge	2.75	1,497.68
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug	110.00	110.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		
1.00	OPERATOR ASSISTANT	George Grant		

*Surface*

*ke*

SEP 3 2014

GC

RG

HY

FV

DD

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

\$ 2,761.52

ONLY IF PAID ON OR BEFORE  
Sep 17, 2014

Subtotal	9,315.08
Sales Tax	394.13
Total Invoice Amount	9,709.21
Payment/Credit Applied	
<b>TOTAL</b>	<b>9,709.21</b>

# ALLIED OIL & GAS SERVICES, LLC 064176

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Dallas, TX

DATE <u>8/18/14</u>	SEC. <u>19</u>	TWP. <u>18</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30</u>	JOB FINISH <u>2:00</u>
LEASE <u>JFC Group #1</u>	WELL # <u>7-19</u>	LOCATION <u>Messiah 2nd - Ad 2015</u>			COUNTY <u>Wichita</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>1/2 W NW 270</u>				

CONTRACTOR Duke 4  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 371  
 CASING SIZE 8 1/8 DEPTH 371  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 20.60  
 EQUIPMENT \_\_\_\_\_

PUMP TRUCK CEMENTER Alan Ryan  
 # 44281 HELPER Kevin Ryan  
 BULK TRUCK \_\_\_\_\_  
 # 881 DRIVER George Grant  
 BULK TRUCK \_\_\_\_\_  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 225 Com 370CC

COMMON <u>225</u>	@ <u>17.90</u>	<u>4027.50</u>
POZMIX _____	@ _____	_____
GEL _____	@ _____	_____
CHLORIDE <u>63516</u>	@ <u>1.10</u>	<u>698.50</u>
ASC _____	@ _____	_____
<u>Material 1000</u>	@ _____	<u>4720.00</u>
<u>(1412.80 / 30%)</u>	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>232.56 CF</u>	@ <u>2.40</u>	<u>558.16</u>
MILEAGE <u>270 mile</u>	@ _____	<u>1497.00</u>
TOTAL		_____

REMARKS:  
Re-Cog Circulate, Max Cement, Displace Cement  
Shut in  
Cement Add Circulate  
T Mark  
Alan Ryan, George

CHARGE TO: Lario Oil & Gas  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB <u>371</u>	
PUMP TRUCK CHARGE _____	<u>1512.25</u>
EXTRA FOOTAGE _____	@ _____
MILEAGE <u>50</u>	@ <u>7.20</u> <u>360.00</u>
MANIFOLD <u>Head</u>	@ _____ <u>275.00</u>
<u>Wichita 50</u>	@ <u>4.40</u> <u>220.00</u>
_____	@ _____
<u>(1343.72 / 30%)</u>	
TOTAL	<u>4179.09</u>

PLUG & FLOAT EQUIPMENT

<u>8 1/8 Wood Plug</u>	@ _____	<u>110.00</u>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
<u>(0%)</u>		
TOTAL		<u>110.00</u>

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Rich Wheeler  
 SIGNATURE Rich Wheeler

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 9,315.09  
 DISCOUNT 2,761.82 / 30% IF PAID IN 30 DAYS  
Bid 6,553.06 Net.

NO COPY



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 145368

Invoice Date: Aug 29, 2014

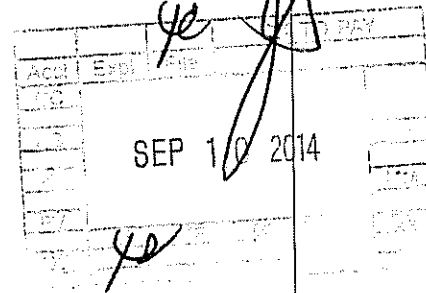
Page: 1

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

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

Customer ID	Field Ticket #	Payment Terms	
Lario	64186	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Aug 29, 2014	9/28/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	<del>JF Group A #1 10</del> JF Group A 2-19	18.92	5,297.60
280.00	CEMENT MATERIALS	60/40/4% Gel Blend	2.97	207.90
70.00	CEMENT MATERIALS	Flo Seal	2.48	745.79
300.72	CEMENT SERVICE	Cubic Feet Charge	2.75	1,727.00
628.00	CEMENT SERVICE	Ton Mileage Charge	2,483.59	2,483.59
1.00	CEMENT SERVICE	Plug to Abandon	7.70	385.00
50.00	CEMENT SERVICE	Pump Truck Mileage	4.40	220.00
50.00	CEMENT SERVICE	Light Vehicle Mileage		
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		



Subtotal	11,066.88
Sales Tax	901.95
Total Invoice Amount	11,968.83
Payment/Credit Applied	
<b>TOTAL</b>	<b>11,968.83</b>

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

\$ 3,320.06

ONLY IF PAID ON OR BEFORE  
Sep 28, 2014

# ALLIED OIL & GAS SERVICES, LLC

064186

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Outlog B

DATE <u>2/29/14</u>	SEC. <u>19</u>	TWP. <u>18</u>	RANGE <u>36</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00</u>	JOB FINISH <u>6:00</u>
LEASE <u>JF Group A</u>	WELL # <u>1-19</u>	LOCATION <u>Marienthal Rd 20 1 S 1/2 W</u>		COUNTY <u>Wichita</u>	STATE <u>K</u>		
OLD OR NEW (Circle one) <u>NEW</u>				<u>1/2 N Wichita</u>			

CONTRACTOR Duke Y

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. \_\_\_\_\_

CASING SIZE 8 3/8 DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 28060 / 40 480 gal

114 F20

EQUIPMENT

PUMP TRUCK CEMENTER Alan Ryan

# 423-251 HELPER Kevin Ryan

BULK TRUCK # 890 DRIVER Esteban (1125)

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON @ \_\_\_\_\_

POZMIX @ \_\_\_\_\_

GEL @ \_\_\_\_\_

CHLORIDE @ \_\_\_\_\_

ASC @ \_\_\_\_\_

60/40 400 2805K @ 18 7/8 5297 60

Flo Seal 70 @ 297 207 28

Material Total @ 5,561.38

(1651.65 / 30%)

HANDLING 200.72 @ 2 1/2 745 79

MILEAGE 21 700 / 16 12.56 700 1727 00

TOTAL \_\_\_\_\_

REMARKS:

50 gal @ 24.50

80 gal @ 13.50

50 gal @ 2.00

50 gal @ 4.00

20 gal @ 6.00

30 gal @ RH

SERVICE

DEPTH OF JOB 2450'

PUMP TRUCK CHARGE 2483.59

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 50 @ 2.22 388.00

MANIFOLD @ \_\_\_\_\_

50 @ 4.00 220.00

TOTAL 5,561.38

(1668.41 / 30%)

CHARGE TO: Loria Oil & Gas

STREET \_\_\_\_\_

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

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Rich Wheeler

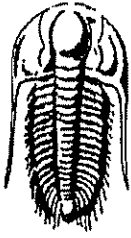
SIGNATURE Rich Wheeler

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 11066.88

DISCOUNT 3,320.66 (30%) IF PAID IN 30 DAYS

7746.21 Net



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas Co.  
301 S. Market St.  
Wichita, KS 67202  
ATTN: Brad Rine

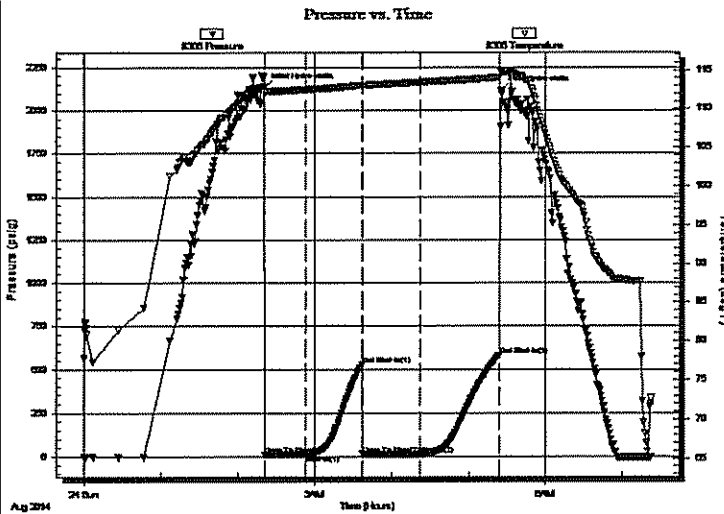
Wichita, Ks  
**JF Group A 2-19**  
Job Ticket: 59147      DST#: 1  
Test Start: 2014.08.23 @ 23:59:50

## GENERAL INFORMATION:

Formation: LKC - I  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 02:20:35  
Time Test Ended: 07:23:18  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Bradley Walter  
Unit No: 69  
Interval: 4251.00 ft (KB) To 4279.00 ft (KB) (TVD)  
Reference Elevations: 3210.00 ft (KB)  
Total Depth: 4279.00 ft (KB) (TVD)      3199.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Good      KB to GR/CF: 11.00 ft

Serial #: 8365      Inside  
Press@RunDepth: 13.38 psig @ 4252.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.08.23      End Date: 2014.08.24      Last Calib.: 2014.08.24  
Start Time: 23:59:55      End Time: 07:23:18      Time On Btm: 2014.08.24 @ 02:20:20  
Time Off Btm: 2014.08.24 @ 05:25:05

TEST COMMENT: IF: Surface blow , Died @ 5 min.  
IS: No return.  
FF: No blow .  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2132.40	112.88	Initial Hydro-static
1	11.49	111.87	Open To Flow (1)
33	13.61	112.51	Shut-In(1)
77	523.96	113.06	End Shut-In(1)
77	13.65	112.98	Open To Flow (2)
122	13.38	113.44	Shut-In(2)
184	577.90	114.03	End Shut-In(2)
185	2114.25	114.73	Final Hydro-static

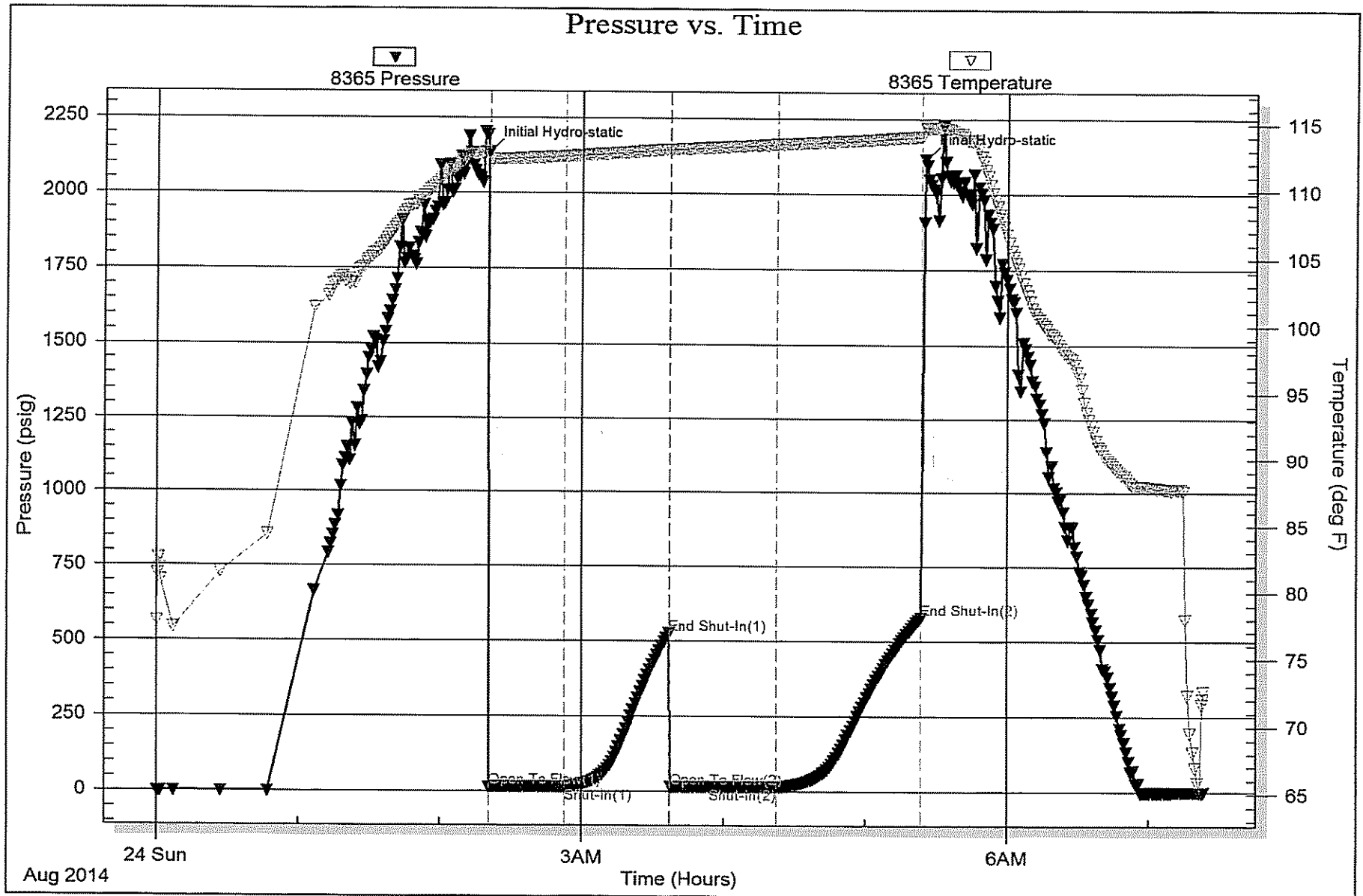
## Recovery

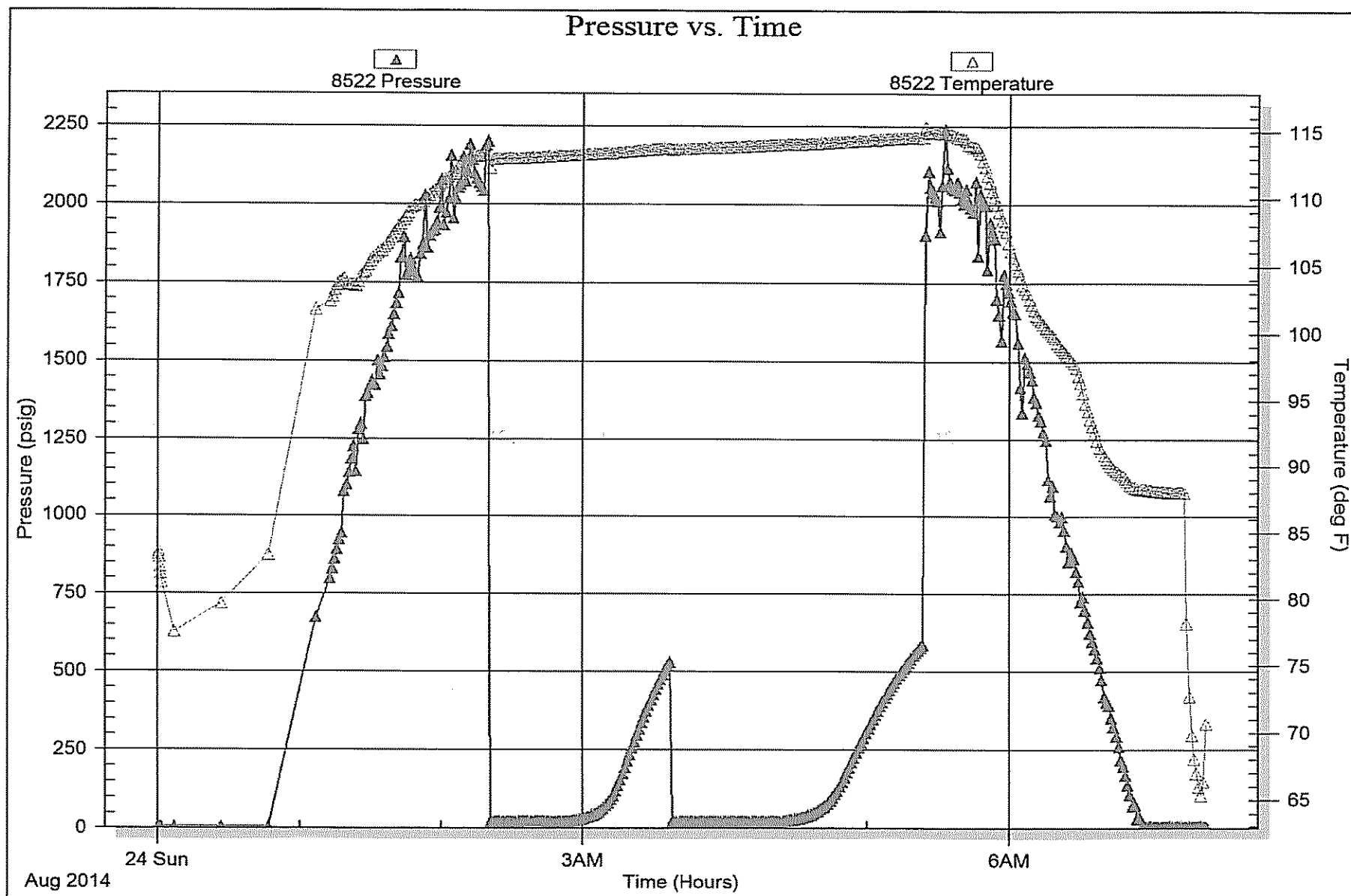
Length (ft)	Description	Volume (bbl)
3.00	mud 100m	0.04

## Gas Rates

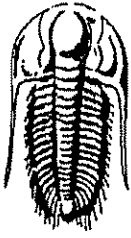
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)











**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas Co.

Wichita, Ks

301 S. Market St.  
Wichita, KS 67202

**JF Group A 2-19**

Job Ticket: 59148

DST#: 2

ATTN: Brad Rine

Test Start: 2014.08.24 @ 15:48:00

## GENERAL INFORMATION:

Formation: **Lower I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:39:15

Time Test Ended: 22:22:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: **4279.00 ft (KB) To 4296.00 ft (KB) (TVD)**

Total Depth: 4296.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3210.00 ft (KB)

3199.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8365

Inside

Press@RunDepth: 53.99 psig @ 4280.00 ft (KB)

Start Date: 2014.08.24

End Date:

2014.08.24

Start Time: 15:48:05

End Time:

22:22:29

Capacity: 8000.00 psig

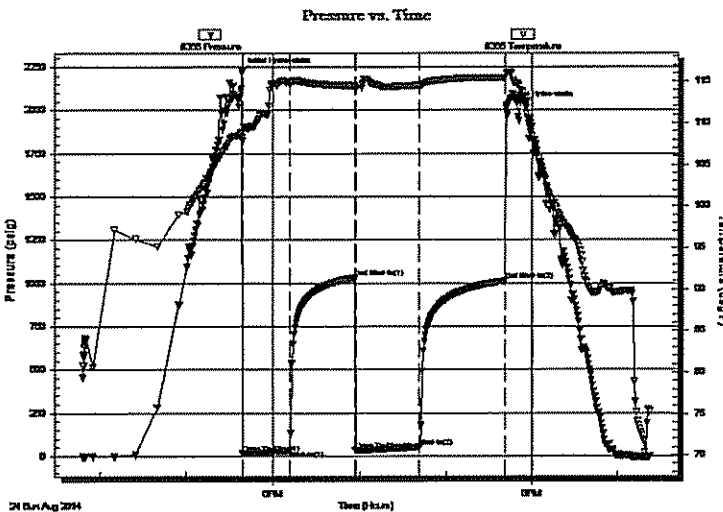
Last Calib.: 2014.08.24

Time On Btm: 2014.08.24 @ 17:39:00

Time Off Btm: 2014.08.24 @ 20:42:00

TEST COMMENT: IF: 1 1/2" blow.  
IS: No return.  
FF: Surface blow.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2222.32	108.92	Initial Hydro-static
1	15.81	107.87	Open To Flow (1)
33	31.94	114.82	Shut-In(1)
78	1031.25	114.46	End Shut-In(1)
78	33.75	114.00	Open To Flow (2)
123	53.99	114.49	Shut-In(2)
183	1012.91	115.43	End Shut-In(2)
183	2024.90	115.98	Final Hydro-static

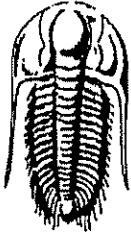
## Recovery

Length (ft)	Description	Volume (bbl)
80.00	mcw 30m 70w (oil spots)	1.12

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas Co.  
301 S. Market St.  
Wichita, KS 67202  
ATTN: Brad Rine

Wichita, Ks  
JF Group A 2-19  
Job Ticket: 59148      DST#: 2  
Test Start: 2014.08.24 @ 15:48:00

## Mud and Cushion Information

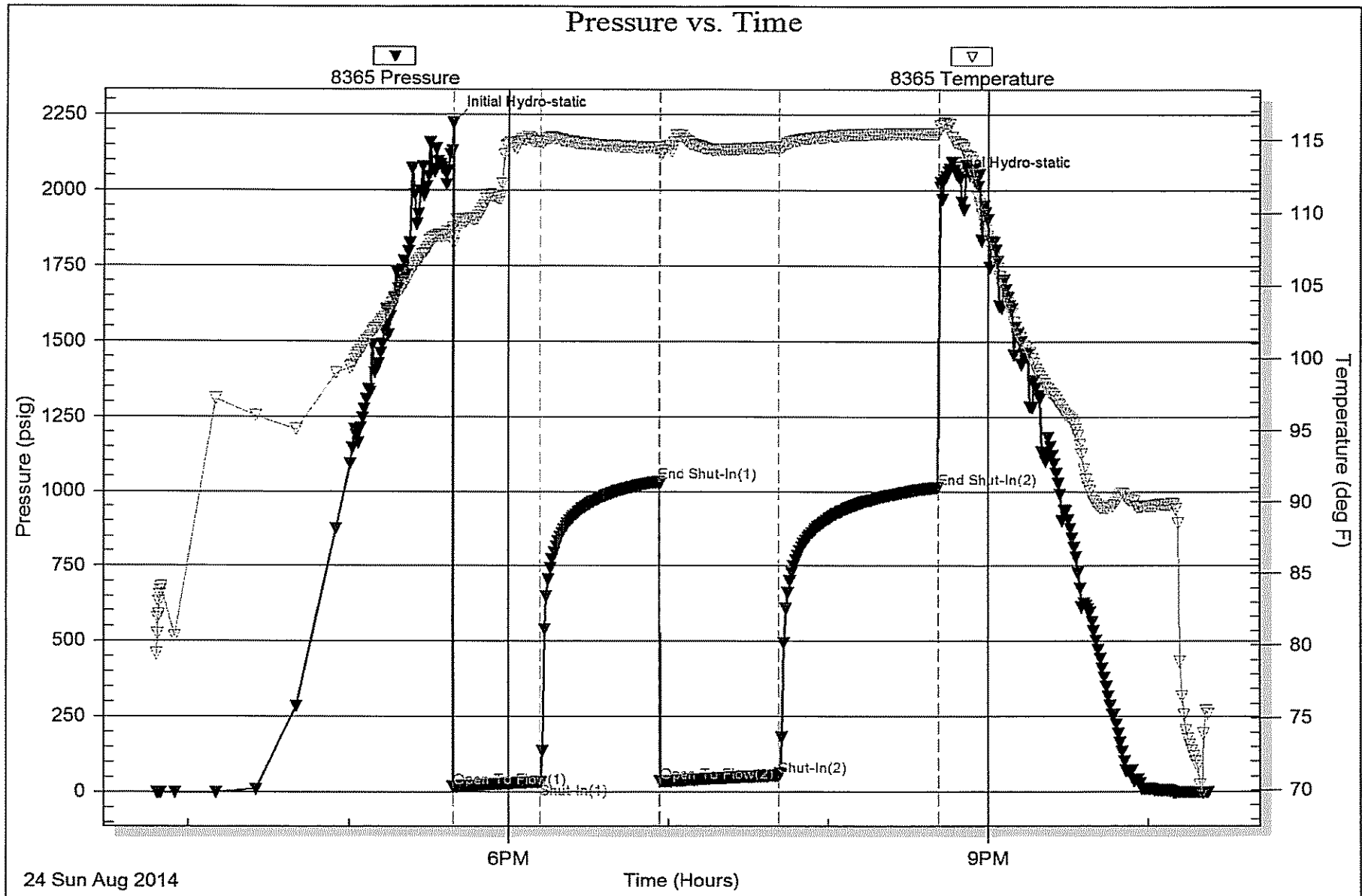
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6200.00 ppm			
Filter Cake: 1.00 inches			

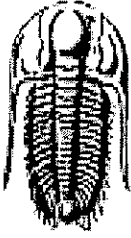
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	mcw 30m 70w (oil spots)	1.122

Total Length: 80.00 ft      Total Volume: 1.122 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: rw is .145 @ 79 = 35,000ppm





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas Co.  
 301 S. Market St.  
 Wichita, KS 67202  
 ATTN: Brad Rine

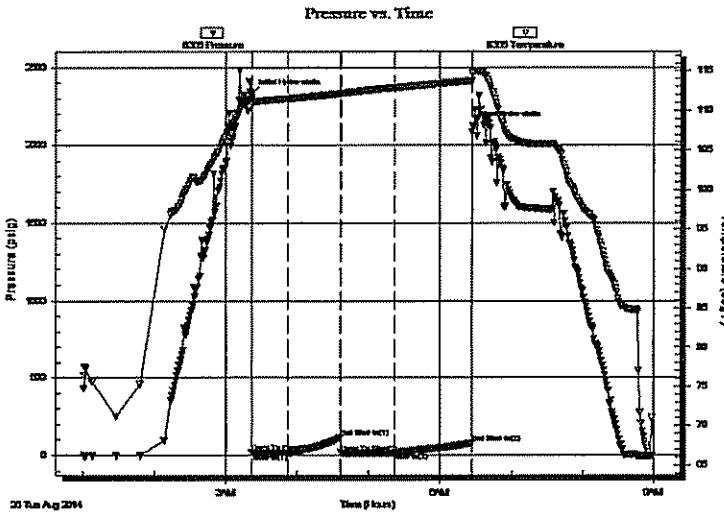
Wichita, Ks  
**JF Group A 2-19**  
 Job Ticket: 59149      DST#: 3  
 Test Start: 2014.08.26 @ 01:01:00

## GENERAL INFORMATION:

Formation: **Marmaton A-B**  
 Deviated: No Whipstock:                          ft (KB)  
 Time Tool Opened: 03:22:15  
 Time Test Ended: 08:59:30  
 Interval: **4490.00 ft (KB) To 4545.00 ft (KB) (TVD)**  
 Total Depth: **4545.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 Test Type: **Conventional Bottom Hole (Reset)**  
 Tester: **Bradley Walter**  
 Unit No: **69**  
 Reference Elevations: **3210.00 ft (KB)**  
    **3199.00 ft (CF)**  
 KB to GR/CF: **11.00 ft**

**Serial #: 8365      Inside**  
 Press@RunDepth: **16.48 psig @ 4491.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2014.08.26**      End Date: **2014.08.26**      Last Calb.: **2014.08.26**  
 Start Time: **01:01:05**      End Time: **08:59:29**      Time On Btm: **2014.08.26 @ 03:22:00**  
    Time Off Btm: **2014.08.26 @ 06:27:30**

**TEST COMMENT:** IF: Surface blow, died @ 15 min.  
 IS: No return.  
 FF: No blow.  
 FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2327.99	111.58	Initial Hydro-static
1	18.35	110.66	Open To Flow (1)
31	15.51	111.51	Shut-In(1)
75	116.35	112.17	End Shut-In(1)
75	16.32	112.20	Open To Flow (2)
120	16.48	112.89	Shut-In(2)
185	76.63	113.74	End Shut-In(2)
186	2123.96	114.64	Final Hydro-static

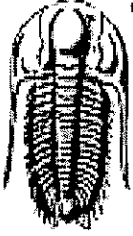
## Recovery

Length (ft)	Description	Volume (bbl)
9.00	mud 100m (oil spots)	0.13
1.00	oil 100c	0.01

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas Co.

Wichita, Ks

301 S. Market St.  
Wichita, KS 67202

**JF Group A 2-19**

Job Ticket: 59149

**DST#: 3**

ATTN: Brad Rine

Test Start: 2014.08.26 @ 01:01:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.99 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 0 deg API

Water Salinity: 0 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
9.00	mud 100m (oil spots)	0.126
1.00	oil 100o	0.014

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0

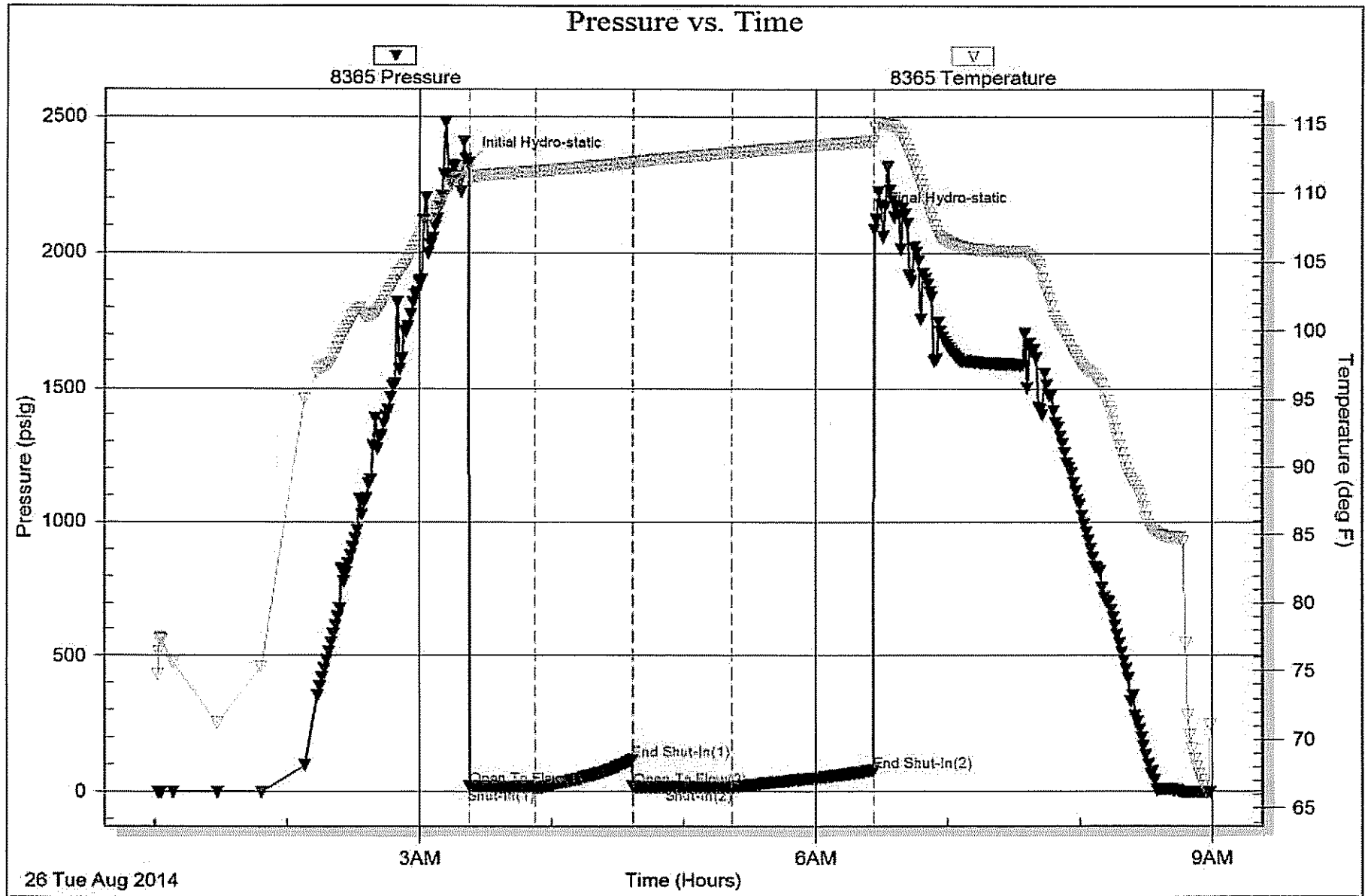
Num Gas Bombs: 0

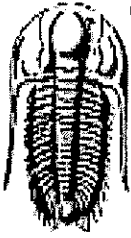
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas Co.

Wichita, KS

301 S. Market St.  
Wichita, KS 67202

JF Group A 2-19

Job Ticket: 57427

DST#: 4

ATTN: Brad Rine

Test Start: 2014.08.27 @ 02:00:00

## GENERAL INFORMATION:

Formation: **Ft. Scott- Upper Che**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:16:45

Time Test Ended: 09:23:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: **4604.00 ft (KB) To 4655.00 ft (KB) (TVD)**

Total Depth: 4655.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3210.00 ft (KB)

3199.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8365

Inside

Press@RunDepth: 18.55 psig @ 4605.00 ft (KB)

Start Date: 2014.08.27

Start Time: 02:00:05

End Date:

End Time:

2014.08.27

09:23:14

Capacity: 8000.00 psig

Last Calib.: 2014.08.27

Time On Btm: 2014.08.27 @ 04:16:30

Time Off Btm: 2014.08.27 @ 06:49:45

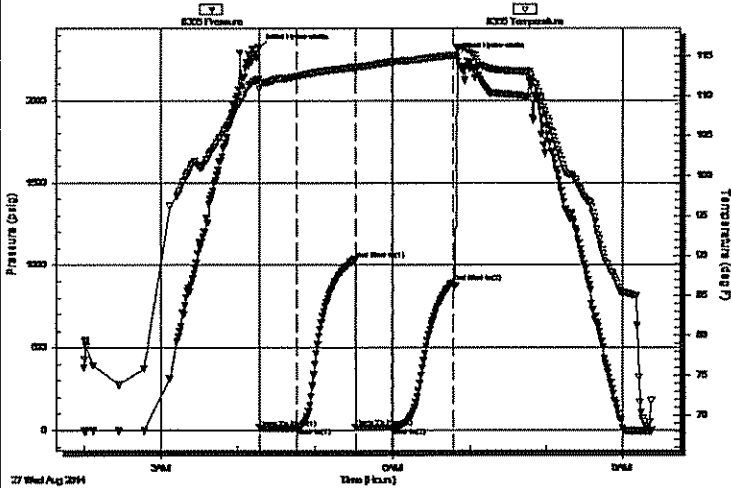
TEST COMMENT: IF: Surface blow, died @ 15 min.

IS: No return.

FF: No blow.

FS: No return.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2321.44	112.13	Initial Hydro-static
1	14.32	110.91	Open To Flow (1)
30	15.85	112.48	Shut-In(1)
75	1036.35	113.64	End Shut-In(1)
75	17.54	113.20	Open To Flow (2)
103	18.55	114.32	Shut-In(2)
151	893.48	115.13	End Shut-In(2)
154	2266.61	116.09	Final Hydro-static

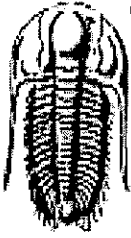
## Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100m (oil spots)	0.21

\* 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.

Wichita, KS

301 S. Market St.  
Wichita, KS 67202

JF Group A 2-19

Job Ticket: 57427

DST#: 4

ATTN: Brad Rine

Test Start: 2014.08.27 @ 02:00:00

## 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: 9.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7500.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100m (oil spots)	0.210

Total Length: 15.00 ft      Total Volume: 0.210 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:



