



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1225164  
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: \_\_\_\_\_

1225164

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	Felt Farm A 1-11
Doc ID	1225164

All Electric Logs Run

MAI/MFE
MSS
MPD/MDN
MSS
MML

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Felt Farm A 1-11
Doc ID	1225164

Tops

Name	Top	Datum
Heebner	4012	-837
Lansing	4056	-881
Stark Shale	4352	-1177
Hushpuckney	4401	-1226
Base KC	4482	-1307
Marmaton	4514	-1339
Pawnee	4612	-1437
Ft. Scott	4634	-1459
Johnson	4735	-1560
Morrow	4820	-1645
Mississippian	4920	-1745
Spergen	5123	-1948





# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 146080  
Invoice Date: Sep 29, 2014  
Page: 1

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

Federal Tax I.D.#: 20-8651475

<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	64252	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Sep 29, 2014	10/29/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Felt Farms #1-11 A		
		<i>drilling AFE 14-133</i>		
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
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SUPERVISOR	Andrew Forslund		
1.00	OPERATOR ASSISTANT	Brandon Wilkinson		

*Handwritten initials and signatures:*  
je  
[Signature]  
je

Subtotal	8,930.08
Sales Tax	385.17
Total Invoice Amount	9,315.25
Payment/Credit Applied	
<b>TOTAL</b>	<b>9,315.25</b>

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

\$ 2,679.02

ONLY IF PAID ON OR BEFORE  
Oct 29, 2014

# ALLIED OIL & GAS SERVICES, LLC 064252

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

Oglety

DATE <u>9-29-14</u>	SEC. <u>11</u>	TWP. <u>18</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30pm</u>	JOB FINISH <u>2:00pm</u>
LEASE <u>Felt Farms</u>	WELL # <u>1-11 A</u>	LOCATION <u>Scott city 27w to rd 23</u>			COUNTY <u>W. Choctaw</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)			<u>2N 1E 14S rd into</u>				

CONTRACTOR <u>W+W 2</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>351'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>350.92'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>21.33 BBL</u>	

CEMENT	
AMOUNT ORDERED <u>225 sks com 38cc</u>	
COMMON <u>225 sks</u>	@ <u>17.90</u> <u>4027.50</u>
POZMIX	@
GEL	@
CHLORIDE <u>635#</u>	@ <u>1.10</u> <u>698.50</u>
ASC	@

**EQUIPMENT**

PUMP TRUCK # <u>431</u>	CEMENTER <u>Andrew Postland</u>
	HELPER <u>Brandon Wilkinson</u>
BULK TRUCK # <u>891</u>	DRIVER <u>Juan (TWS)</u>
BULK TRUCK #	DRIVER

Material Test	@	<u>4726.00</u>
	@	
	@	
	@	
	@	
	@	
HANDLING <u>237.56 cu/ft</u>	@ <u>2.48</u>	<u>589.16</u>
MILEAGE <u>225 to/for, i.e. 10,892 to</u>		<u>1497.68</u>

**REMARKS:**

Cement did circulate

TOTAL

**SERVICE**

DEPTH OF JOB <u>350.92</u>	
PUMP TRUCK CHARGE	<u>1512.25</u>
EXTRA FOOTAGE	@
MILEAGE <u>50 miles</u>	@ <u>7.10</u> <u>355.00</u>
MANIFOLD	@
Light Vehicle	@ <u>4.40</u> <u>220.00</u>

(1261.02/30%)  
TOTAL 4204.09

CHARGE TO: Lario 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 Lonnie Long  
SIGNATURE Lonnie Long

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 8,930.09  
DISCOUNT 2679.62 (30%) IF PAID IN 30 DAYS  
6,251.06 Net

Bid



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 146333  
Invoice Date: Oct 10, 2014  
Page: 1

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

Federal Tax I.D.#: 20-8651475

*Drilling AFE-14-133  
CK 10/20/14*

<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	64284	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Oct 10, 2014	11/9/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Felt Farm A #1-11		
185.00	CEMENT MATERIALS	ASC	23.50	4,347.50
440.00	CEMENT MATERIALS	Light Weight Class A	19.88	8,747.20
121.00	CEMENT MATERIALS	Flo Seal	2.97	359.37
12.00	CEMENT MATERIALS	Mud Clean	25.00	300.00
772.04	CEMENT SERVICE	Cubic Feet Charge	2.48	1,914.66
1,638.00	CEMENT SERVICE	Ton Mileage Charge	2.75	4,504.50
1.00	CEMENT SERVICE	Production -- Botom Stage	3,099.25	3,099.25
1.00	CEMENT SERVICE	Production -- Top Stage	2,406.25	2,406.25
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	5-1/2 AFU Float Shoe	545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down Flex Assembly	660.00	660.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.00	5,335.00
16.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	912.00
1.00	EQUIPMENT SALES	5-1/2 Basket	395.00	395.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		
1.00	OPERATOR ASSISTANT	Wayne Messalle		

*xe*  
*js*  
OCT 23 2014  
*je*

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

\$ 10,852.89

ONLY IF PAID ON OR BEFORE  
Nov 9, 2014

Subtotal	34,405.73
Sales Tax	1,760.49
Total Invoice Amount	36,166.22
Payment/Credit Applied	
<b>TOTAL</b>	<b>36,166.22</b>



# ALLIED OIL & GAS SERVICES, LLC 064284

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley KS

DATE <u>10-10-14</u>	SEC <u>11</u>	TWP <u>18</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION <u>1:30am</u>	JOB START	JOB FINISH
LEASE: <u>Felt Farm</u>		WELL # <u>1-11</u>	LOCATION <u>Scott city wto County line</u>	COUNTY <u>Wichita</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>		2N1W Sinto					

CONTRACTOR <u>Wito J</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Production (2 stage)</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>5180</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>5136'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>DV TOOL</u>	DEPTH <u>2450'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>11.25'</u>
CEMENT LEFT IN CSG. <u>11.25'</u>	
PERFS.	
DISPLACEMENT <u>Bottom - low water, 60 gal. 97 mud</u>	
<u>Top - 58.31 water</u>	

PUMP TRUCK # <u>120</u>	CEMENTER <u>Paul Beaver</u>
BULK TRUCK # <u>566/595</u>	HELPER <u>Tyler Flipse / Ramero (TWS)</u>
BULK TRUCK # <u>600</u>	DRIVER <u>Juan (TWS)</u>
	DRIVER <u>Wayne Messalle</u>

CEMENT	AMOUNT ORDERED <u>185 sks ASC 10/1 skt</u>	
	<u>5 gal nitro 2 1/2 gal, 485 sks 65/</u>	
	<u>35 gal gel 1 1/2 # Flo-seal</u>	
	<u>500 gal WRFRT</u>	
COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	<u>185 sks @ 23.50</u>	<u>4347.50</u>
	<u>Lite class A (65/35/6) 440 sks @ 19.88</u>	<u>8747.20</u>
	<u>Flo-seal 121 # @ 2.97</u>	<u>359.37</u>
	<u>mud clean 12 bbl @ 25.00</u>	<u>300.00</u>
	<u>Water 1000 @ 4.00</u>	<u>4000.00</u>
	<u>Masterc 12 @ 13.50</u>	<u>162.00</u>
	@	
HANDLING <u>772.04 ft<sup>3</sup></u>	@ <u>2.48</u>	<u>1914.66</u>
MILEAGE <u>32.76 tons x 50 mi =</u>	<u>2.75</u>	<u>4504.50</u>
	TOTAL	

REMARKS:  
Run Pipe / float equip, Break circ, Drop ball, pump ball through @ 200 #, circ mix 12 bbl mud clean, mix 185 sks ASC, wash up to pit, release plug, Displace w/ water + mud, plug did level @ 1300', lift 500' Top mix 30 sks bit, 15 sks m.H. 440 sks, wash up to pit, Displace w/ water, plug did level @ 1300' lift 1000' Cement did circ.

CHARGE TO: Lario Oil + Gas *Thank you!*

STREET \_\_\_\_\_

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

DEPTH OF JOB <u>Bottom 5136' Top 2450'</u>	
PUMP TRUCK CHARGE <u>3099.25</u>	<u>2486.25</u>
EXTRA FOOTAGE	@
MILEAGE m/HV <u>50 mi</u>	@ <u>7.70</u> <u>385.00</u>
MANIFOLD <u>Head</u>	@ <u>275.00</u>
M/LV <u>50 mi</u>	@ <u>4.40</u> <u>220.00</u>
	@

PLUG & FLOAT EQUIPMENT	
<u>Weatherford 5 1/2"</u>	
<u>REV Float shoe</u>	@ <u>1.00</u> <u>545.00</u>
<u>Lalchman Flex Assy</u>	@ <u>160.00</u>
<u>DV Tool</u>	@ <u>5335.00</u>
<u>Centralizers 16</u>	@ <u>57.00</u> <u>912.00</u>
<u>Basket</u>	@ <u>385.00</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.

(A/R 14-133) TOTAL 7,847.00

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

TOTAL CHARGES 84,405.73

DISCOUNT 10,852.89 (32/35%) IF PAID IN 30 DAYS

PRINTED NAME MIKE KETTERWAL

SIGNATURE Mike Ketterwal

23,552.84 Net.

*Bid*



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

11 18 35 Wichita Ks

310 s Market St.  
Wichita Ks67202

Felt Farm A 1-11

Job Ticket: 57352

DST#: 1

ATTN: Steve Davis

Test Start: 2014.10.03 @ 10:40:59

### GENERAL INFORMATION:

Formation: **Lansing B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:41:29

Time Test Ended: 17:31:59

Test Type: Conventional Bottom Hole (Initial)

Tester: James Geier

Unit No: 58

Interval: 4086.00 ft (KB) To 4110.00 ft (KB) (TVD)

Reference Elevations: 3175.00 ft (KB)

Total Depth: 4110.00 ft (KB) (TVD)

3170.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

### Serial #: 6625

Press@RunDepth: 97.63 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.03

End Date: 2014.10.03

Last Calib.: 1899.12.30

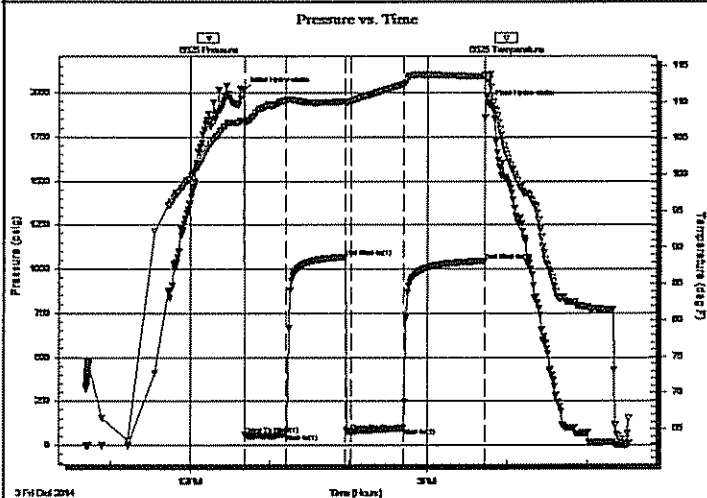
Start Time: 10:41:00

End Time: 17:31:59

Time On Btm: 2014.10.03 @ 12:40:29

Time Off Btm: 2014.10.03 @ 15:46:29

TEST COMMENT: 1" Blow  
No Return  
1" Blow  
No Return



### PRESSURE SUMMARY

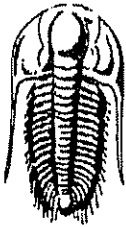
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2013.65	107.47	Initial Hydro-static
1	59.20	107.21	Open To Flow (1)
32	64.94	110.24	Shut-In(1)
77	1067.20	110.06	End Shut-In(1)
81	76.76	110.04	Open To Flow (2)
121	97.63	112.39	Shut-In(2)
183	1044.69	113.54	End Shut-In(2)
186	1932.62	113.12	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
92.00	g o 70% g 30% o	0.45
92.00	g o 30% g 70% 0	1.03

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Lario Oil & Gas Co

11 18 35 Wichita Ks

310 s Market St.  
Wichita Ks67202

Felt Farm A 1-11

Job Ticket: 57352

DST#: 1

ATTN: Steve Davis

Test Start: 2014.10.03 @ 10:40:59

### 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:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
92.00	g o 70% g 30% o	0.452
92.00	g o 30% g 70% 0	1.026

Total Length: 184.00 ft

Total Volume: 1.478 bbf

Num Fluid Samples: 0

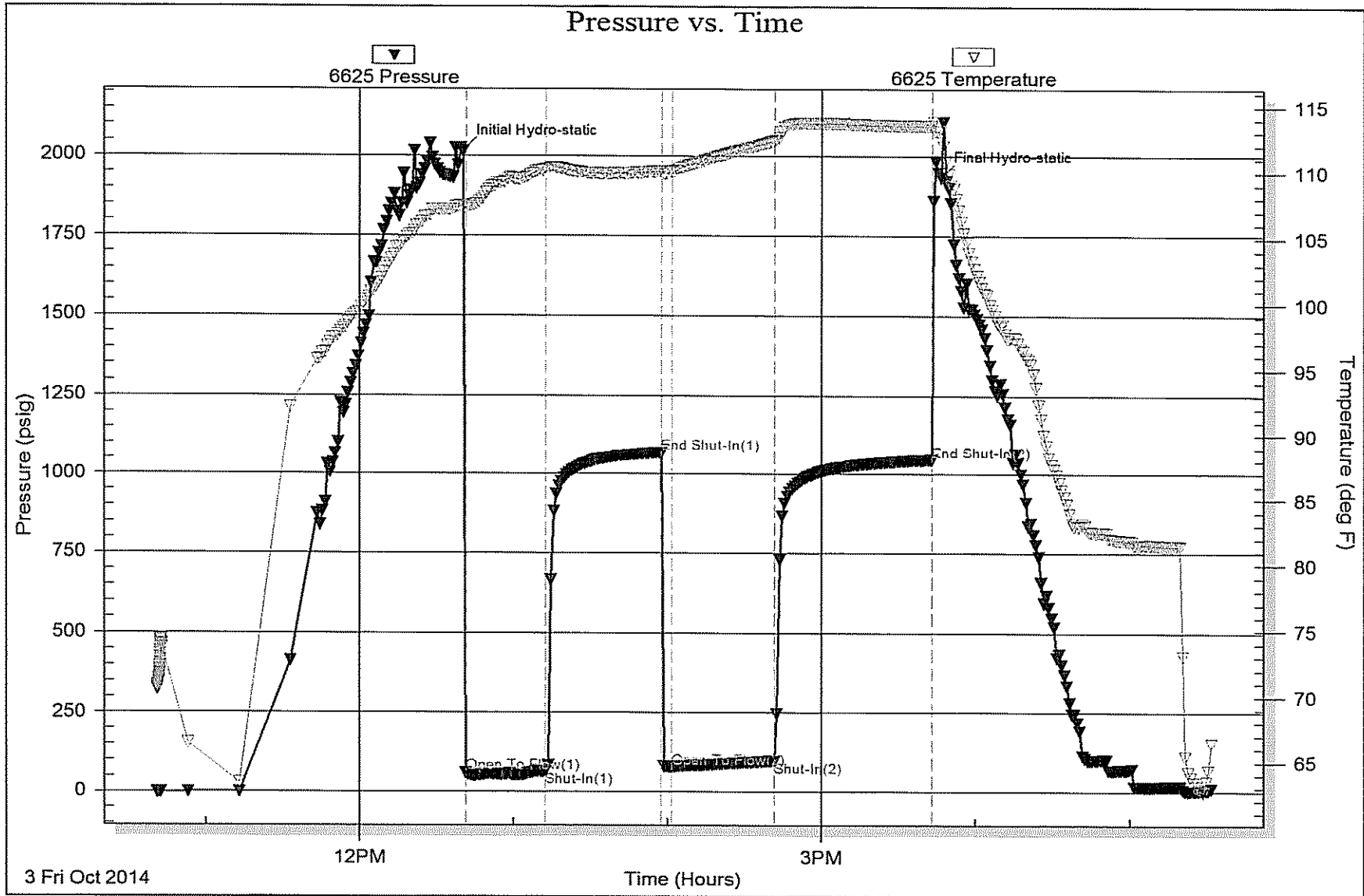
Num Gas Bombs: 0

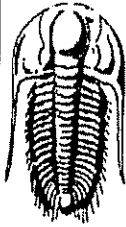
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co  
310 s Market St.  
Wichita Ks67202  
ATTN: Steve Davis

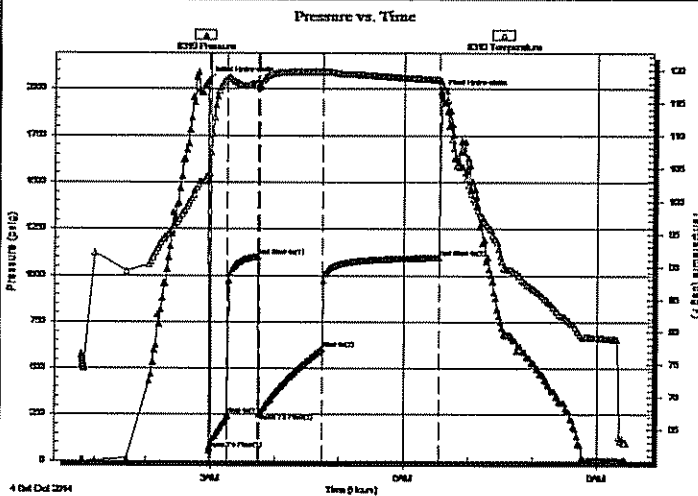
11 18 35 Wichita Ks  
Felt Farm A 1-11  
Job Ticket: 57353      DST#: 2  
Test Start: 2014.10.04 @ 01:00:44

### GENERAL INFORMATION:

Formation: **Lansing D**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 02:58:13  
Time Test Ended: 09:25:43  
Interval: **4143.00 ft (KB) To 4167.00 ft (KB) (TVD)**  
Total Depth: **4167.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches**Hole Condition: Fair  
Reference Elevations: **3175.00 ft (KB)**  
**3170.00 ft (CF)**  
KB to GR/CF: **5.00 ft**  
Test Type: Conventional Bottom Hole (Reset)  
Tester: James Geier  
Unit No: 58

Serial #: **8319**      Outside  
Press@RunDepth: **605.77 psig @ 4168.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2014.10.04**      End Date: **2014.10.04**      Last Calib.: **2014.10.04**  
Start Time: **01:00:44**      End Time: **09:25:43**      Time On Btm: **2014.10.04 @ 02:57:13**  
Time Off Btm: **2014.10.04 @ 06:35:13**

TEST COMMENT: BOB in 5 min.  
Return in 15 min.  
BOB in 10min.  
Return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2041.89	103.88	Initial Hydro-static
1	58.64	103.47	Open To Flow (1)
19	247.37	118.73	Shut-In(1)
47	1103.04	118.07	End Shut-In(1)
49	256.19	117.39	Open To Flow (2)
107	605.77	119.76	Shut-In(2)
216	1096.04	118.58	End Shut-In(2)
218	1974.01	117.86	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
525.00	s w 100%	6.26
189.00	g c o m w 10 % g 60% o 10% m 20% w	2.65
632.00	g c o 10% g 90% o	8.87

\* 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

11 18 35 Wichita Ks

310 s Market St.  
Wichita Ks67202

Felt Farm A 1-11

Job Ticket: 57353

DST#: 2

ATTN: Steve Davis

Test Start: 2014.10.04 @ 01:00:44

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

20 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

2600 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
525.00	s w 100%	6.262
189.00	g c o m w 10 % g 60% o 10% m 20% w	2.651
632.00	g c o 10% g 90% o	8.865

Total Length: 1346.00 ft

Total Volume: 17.778 bbf

Num Fluid Samples: 0

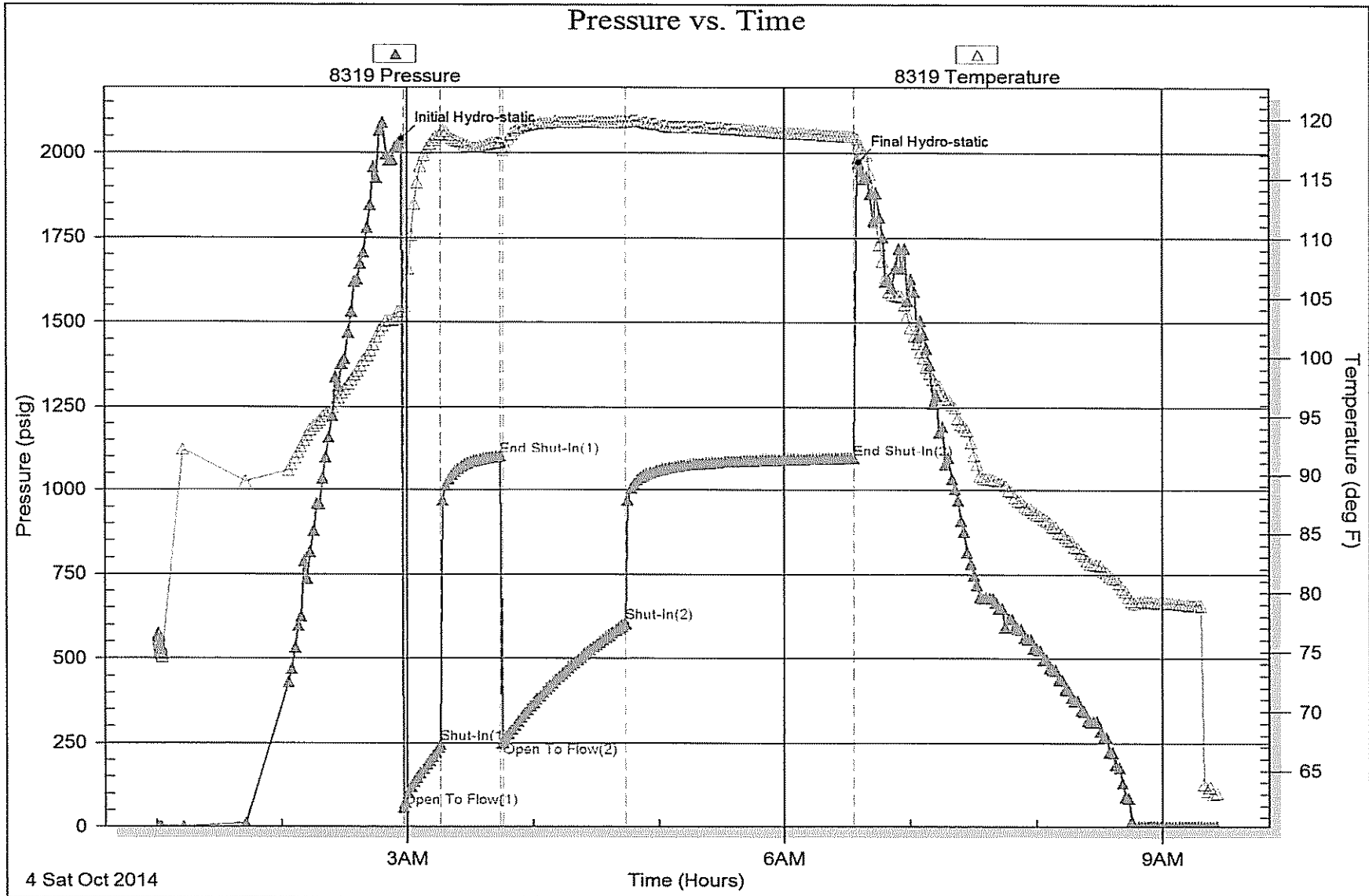
Num Gas Bombs: 0

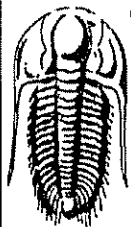
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 315' gas in drill string





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

11 18 35 Wichita Ks

310 s Market St.  
Wichita Ks67202

Felt Farm A 1-11

Job Ticket: 57354

DST#: 3

ATTN: Steve Davis

Test Start: 2014.10.05 @ 01:00:22

### GENERAL INFORMATION:

Formation: **Lansing I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:10:51

Time Test Ended: 08:02:51

Test Type: Conventional Bottom Hole (Reset)

Tester: James Geier

Unit No: 58

Interval: 4295.00 ft (KB) To 4325.00 ft (KB) (TVD)

Reference Elevations: 3175.00 ft (KB)

Total Depth: 4325.00 ft (KB) (TVD)

3170.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

### Serial #: 6625

Press@RunDepth: 37.44 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.05

End Date: 2014.10.05

Last Calib.: 2014.10.05

Start Time: 01:00:22

End Time: 08:02:51

Time On Btm: 2014.10.05 @ 03:07:21

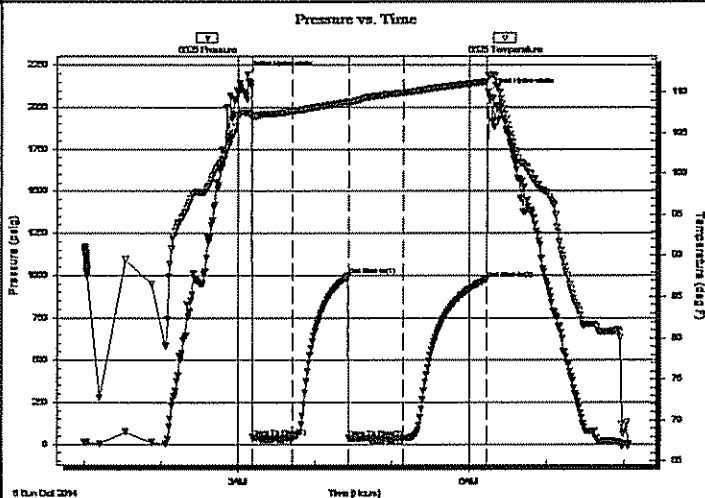
Time Off Btm: 2014.10.05 @ 06:14:51

TEST COMMENT: Weak surface blow / died in 7 min.

No return

No blow

No return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2195.80	107.56	Initial Hydro-static
4	41.43	106.90	Open To Flow (1)
35	41.27	107.69	Shut-In(1)
79	996.39	108.79	End Shut-In(1)
79	37.99	108.71	Open To Flow (2)
122	37.44	109.95	Shut-In(2)
187	977.58	111.30	End Shut-In(2)
188	2093.04	112.03	Final Hydro-static

### Recovery

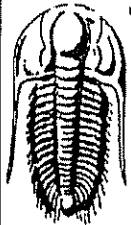
Length (ft)	Description	Volume (bbl)
2.00	m 100%	0.01

\* 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

11 18 35 Wichita Ks

310 s Market St.  
Wichita Ks67202

Felt Farm A 1-11

Job Ticket: 57354

DST#: 3

ATTN: Steve Davis

Test Start: 2014.10.05 @ 01:00:22

### 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:

bbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	m 100%	0.010

Total Length: 2.00 ft

Total Volume: 0.010 bbl

Num Fluid Samples: 0

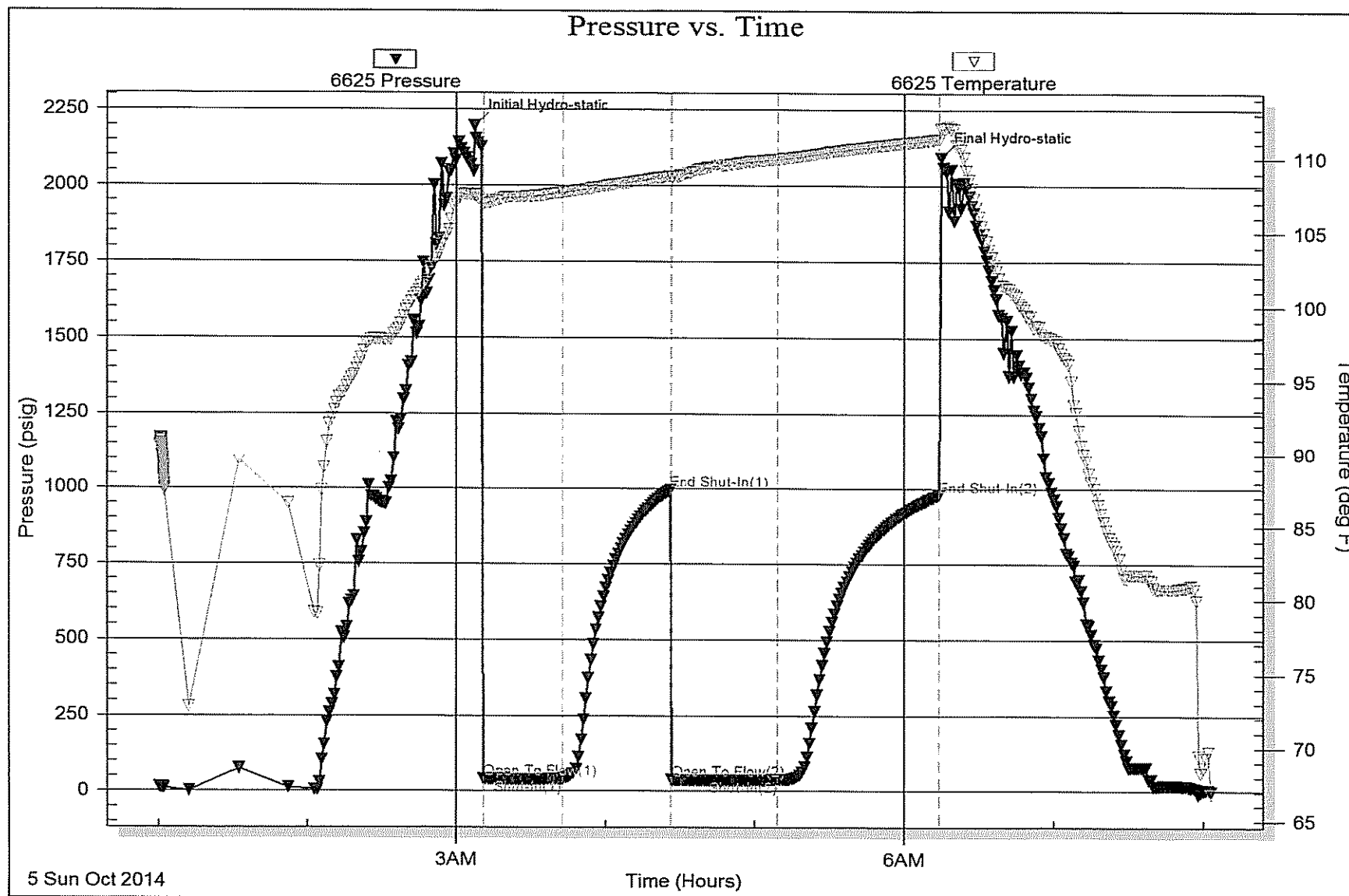
Num Gas Bombs: 0

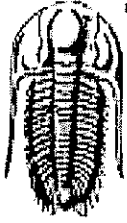
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Lario Oil & Gas Co

11 18 35 Wichita Ks

310 s Market St.  
Wichita Ks67202

Felt Farm A 1-11

Job Ticket: 57355

DST#: 4

ATTN: Steve Davis

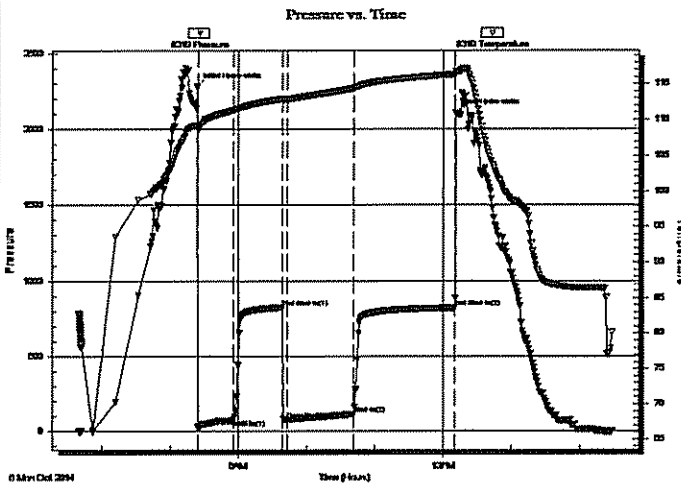
Test Start: 2014.10.06 @ 06:40:09

**GENERAL INFORMATION:**

Formation: **Marmaton A**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:24:38  
 Time Test Ended: 14:29:08  
 Interval: **4503.00 ft (KB) To 4545.00 ft (KB) (TVD)**  
 Total Depth: **4545.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: James Geier  
 Unit No: 58  
 Reference Elevations: 3175.00 ft (KB)  
 3170.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8319** Outside  
 Press@RunDepth: 115.69 psig @ 4510.00 ft (KB)  
 Start Date: 2014.10.06 End Date: 2014.10.06 Capacity: 8000.00 psig  
 Start Time: 06:40:09 End Time: 14:29:08 Last Calib.: 2014.10.06  
 Time On Btm: 2014.10.06 @ 08:23:38  
 Time Off Btm: 2014.10.06 @ 12:11:08

**TEST COMMENT:** Blow 1" in 10 min. / 5" blow @ 29 min.  
 No Return  
 Blow 6"  
 Return blow in 15 min. / died in 20 min.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2277.32	109.18	Initial Hydro-static
1	29.67	108.71	Open To Flow (1)
32	74.44	111.31	Shut-In(1)
75	823.60	112.89	End Shut-In(1)
79	80.11	112.82	Open To Flow (2)
138	115.69	114.39	Shut-In(2)
227	821.63	116.34	End Shut-In(2)
228	2105.91	116.78	Final Hydro-static

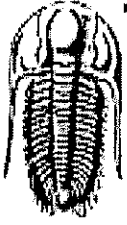
**Recovery**

Length (ft)	Description	Volume (bbl)
121.00	g 20% o70% 10% m	0.60
127.00	g 30% 50%o 20%m	1.78

\* 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

11 18 35 Wichita Ks

310 s Market St.  
Wichita Ks67202

Felt Farm A 1-11

Job Ticket: 57355

DST#: 4

ATTN: Steve Davis

Test Start: 2014.10.06 @ 06:40:09

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

24 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: 2.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
121.00	g 20% o70% 10% m	0.595
127.00	g 30% 50%o 20%m	1.781

Total Length: 248.00 ft

Total Volume: 2.376 bbl

Num Fluid Samples: 0

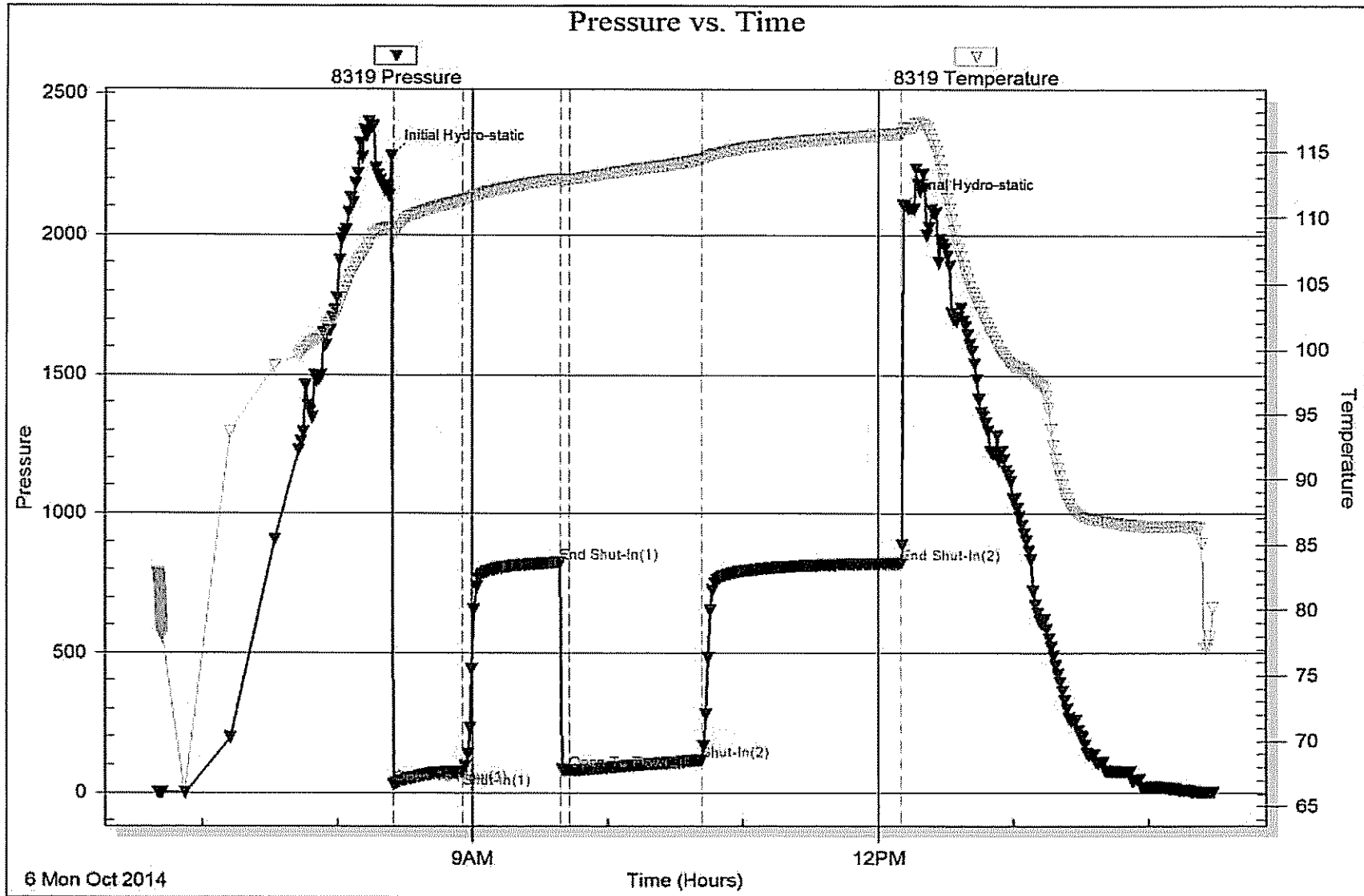
Num Gas Bombs: 0

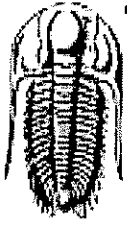
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 269' gas in pipe





**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Lario Oil & Gas Co

11 18s 35w Wichita Ks

310 s Market St.  
Wichita Ks67202

Felt Farm A 1-11

Job Ticket: 57356

DST#: 5

ATTN: Steve Davis

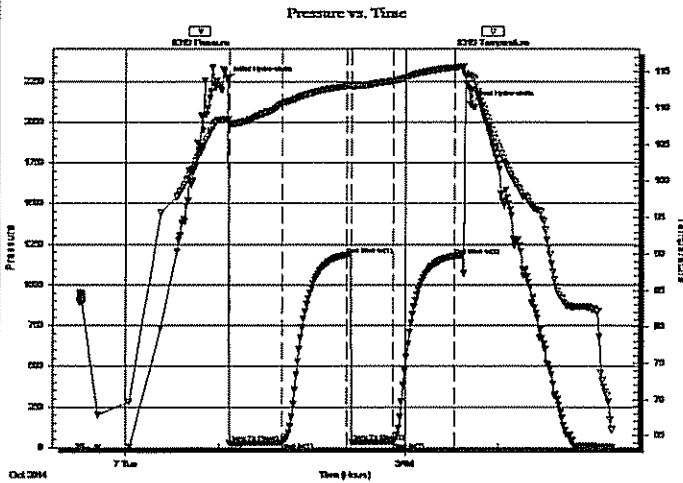
Test Start: 2014.10.06 @ 11:30:14

**GENERAL INFORMATION:**

Formation: **Marmaton B & C**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 13:06:43  
 Tester: James Geier  
 Time Test Ended: 04:45:14  
 Unit No: 58  
 Interval: 4543.00 ft (KB) To 4590.00 ft (KB) (TVD)  
 Reference Elevations: 3175.00 ft (KB)  
 Total Depth: 4590.00 ft (KB) (TVD)  
 3170.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Poor  
 KB to GR/CF: 5.00 ft

**Serial #: 8319** Outside  
 Press@RunDepth: 35.93 psig @ 4545.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.10.06 End Date: 2014.10.07 Last Calib.: 2014.10.07  
 Start Time: 23:30:14 End Time: 05:13:43 Time On Blm: 2014.10.07 @ 01:05:13  
 Time Off Blm: 2014.10.07 @ 03:41:43

TEST COMMENT: IF: No blow  
 IS: No return  
 FF: No blow  
 FS: No return



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2257.78	108.45	Initial Hydro-static
2	27.07	107.88	Open To Flow (1)
36	33.57	110.65	Shut-in(1)
78	1185.90	113.07	End Shut-in(1)
81	32.17	112.96	Open To Flow (2)
107	35.93	113.73	Shut-in(2)
147	1177.40	115.59	End Shut-in(2)
157	2109.95	114.48	Final Hydro-static

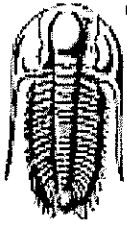
**Recovery**

Length (ft)	Description	Volume (bbl)
2.00	100% M	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

**11 18s 35w Wichita Ks**

310 s Market St.  
Wichita Ks67202

**Felt Farm A 1-11**

Job Ticket: 57356

**DST#: 5**

ATTN: Steve Davis

Test Start: 2014.10.06 @ 11:30:14

**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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8400.00 ppm

Filter Cake: 2.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
2.00	100% M	0.010

Total Length: 2.00 ft

Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

