



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1157155
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: _____



1157155

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: 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: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Krause A 1-20
Doc ID	1157155

Tops

Name	Top	Datum
Heebner	3972	-836
Lansing	4016	-880
Stark Shale	4315	-1179
Hushpuckney	4372	-1236
Base KC	4447	-1311
Marmaton	4478	-1342
Pawnee	4564	-1428
Ft. Scott	4587	-1451
Johnson	4689	-1553
Morrow	4771	-1635
Basal Penn	4833	-1697
Mississippian	4855	-1719
St. Louis	4874	-1738

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
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 08, 2013

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

Re: ACO1
API 15-171-20970-00-00
Krause A 1-20
SE/4 Sec.20-18S-34W
Scott County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Jay Schweikert



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 138569
Invoice Date: Sep 11, 2013
Page: 1

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Lario	61102	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Sep 11, 2013	10/11/13

Quantity	Item	Description	Unit Price	Amount
168.00	CEMENT MATERIALS	<u>Krause A #1-20</u> Class A Common	17.90	3,007.20
112.00	CEMENT MATERIALS	Pozmix	9.35	1,047.20
9.00	CEMENT MATERIALS	Gel	23.40	210.60
70.00	CEMENT MATERIALS	Flo Seal	2.97	207.90
300.00	CEMENT SERVICE	Cubic Feet	2.25	675.00
634.61	CEMENT SERVICE	Ton Mileage	2.60	1,649.99
1.00	CEMENT SERVICE	Plug to Abandon ✓	1,250.00	1,250.00
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	Kelly Gabel		
1.00	EQUIPMENT OPERATOR	Wayne Mc Ghghy		
1.00	OPERATOR ASSISTANT	Chris Helpingstine		

Handwritten signatures and initials: KC, [Signature], SEP 25 11, [Signature]

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

\$ 2,595.87

ONLY IF PAID ON OR BEFORE

Oct 6, 2013

Subtotal	8,652.89
Sales Tax	705.21
Total Invoice Amount	9,358.10
Payment/Credit Applied	
TOTAL	9,358.10

ALLIED OIL & GAS SERVICES, LLC 061102

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley, KS

DATE <u>9-11-13</u>	SEC. <u>20</u>	TWP. <u>N8</u>	RANGE <u>34</u>	CALLED OUT <u>12:00AM</u>	ON LOCATION <u>3:00AM</u>	JOB START <u>9:00AM</u>	JOB FINISH <u>9:30AM</u>
LEASE <u>Krause A</u>		WELL # <u>1-20</u>	LOCATION <u>Pense 426215 N+10 in 20</u>	COUNTY <u>Scott</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Southwind #20 OWNER Same

TYPE OF JOB PTA
 HOLE SIZE 7 7/8 T.D. 5000'
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

CEMENT
 AMOUNT ORDERED 280 SKS 60/40 P 24 P 2
9.1 1/4 # Flt-3001

EQUIPMENT
 PUMP TRUCK CEMENTER Kelly Cabal
 # 372 HELPER Wayne McElroy
 BULK TRUCK
 # 566+595 DRIVER Chris H. Higgins
 BULK TRUCK
 # _____ DRIVER _____

COMMON	<u>168 SKS @ 17.90</u>	<u>3007.30</u>
POZMIX	<u>112 SKS @ 9.35</u>	<u>1047.30</u>
GEL	<u>9 SKS @ 23.90</u>	<u>215.00</u>
CHLORIDE	@ _____	_____
ASC	@ _____	_____
<u>Flt-3001 20' @ 2.91</u>	<u>2.91</u>	<u>207.90</u>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>300 SK/HR</u>	@ <u>2.35</u>	<u>625.00</u>
MILEAGE <u>11.5 SK mi</u>		<u>165.00</u>
TOTAL		<u>6797.90</u>

REMARKS:

50 @ 24.60
80 @ 17.90
50 @ 10.00
50 @ 4.80
20 @ 10.00
30 R H
L. Hambroger
Kelly & crew

SERVICE

DEPTH OF JOB	<u>2460' 52.80</u>	
PUMP TRUCK CHARGE		<u>12.50</u>
EXTRA FOOTAGE	@ _____	_____
MILEAGE <u>MILV. 50</u>	@ <u>4.40</u>	<u>220.80</u>
MANIFOLD	@ _____	_____
<u>MT. HV 50</u>	@ <u>7.70</u>	<u>385.00</u>
_____	@ _____	_____
TOTAL		<u>1855.00</u>

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.

SALES TAX (If Any) _____
 TOTAL CHARGES 8,650.90
 DISCOUNT 2,595.87 IF PAID IN 30 DAYS
6,057.03 Net

PRINTED NAME SAM STAYL
 SIGNATURE Sam Stayl



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 138569
Invoice Date: Sep 11, 2013
Page: 1

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Lario	61102	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Sep 11, 2013	10/11/13

Quantity	Item	Description	Unit Price	Amount
		<u>Krause A #1-20</u> Drilling AFE-13-247		
168.00	CEMENT MATERIALS	Class A Common	17.90	3,007.20
112.00	CEMENT MATERIALS	Pozmix	9.35	1,047.20
9.00	CEMENT MATERIALS	Gel	23.40	210.60
70.00	CEMENT MATERIALS	Flo Seal	2.97	207.90
300.00	CEMENT SERVICE	Cubic Feet	2.25	675.00
634.61	CEMENT SERVICE	Ton Mileage	2.60	1,649.99
1.00	CEMENT SERVICE	Plug to Abandon ✓	1,250.00	1,250.00
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	Kelly Gabel		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		
1.00	OPERATOR ASSISTANT	Chris Helpingstine		

XC
SEP 25 2013
XC

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

\$ 2,595.87

ONLY IF PAID ON OR BEFORE
Oct 6, 2013

Subtotal	8,652.89
Sales Tax	705.21
Total Invoice Amount	9,358.10
Payment/Credit Applied	
TOTAL	9,358.10

ALLIED OIL & GAS SERVICES, LLC 061102

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley, KS

DATE <u>9-11-13</u>	SEC. <u>20</u>	TWP. <u>N8</u>	RANGE <u>34</u>	CALLED OUT <u>12:00AM</u>	ON LOCATION <u>3:00AM</u>	JOB START <u>9:00AM</u>	JOB FINISH <u>9:30AM</u>
LEASE <u>Krause A</u> WELL # <u>1-20</u>			LOCATION <u>Pense 1/2 1/2 1 S N 1/4 10 in 20</u>				
OLD OR <u>NEW</u> (Circle one)			COUNTY <u>Scott</u>	STATE <u>KS</u>			

CONTRACTOR Southwind #20
 TYPE OF JOB PTA
 HOLE SIZE 7 7/8 T.D. 5000'
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER Same
 CEMENT
 AMOUNT ORDERED 280 SKS 60/40 2490
gel 1/4" # Flo-seal

EQUIPMENT
 PUMP TRUCK CEMENTER Kelly Cabal
 # 372 HELPER Wayne McElroy
 BULK TRUCK
 # 5665595 DRIVER Chris H. Springsline
 BULK TRUCK
 # _____ DRIVER _____

COMMON	<u>168 SKS @ 17.90</u>	<u>3007.20</u>
POZMIX	<u>112 SKS @ 9.35</u>	<u>1047.20</u>
GEL	<u>9 SKS @ 23.90</u>	<u>215.00</u>
CHLORIDE	_____ @ _____	_____
ASC	_____ @ _____	_____
<u>Flo-seal 70# 80000</u>	<u>@ 2.92</u>	<u>207.90</u>
_____	_____ @ _____	_____
_____	_____ @ _____	_____
_____	_____ @ _____	_____
_____	_____ @ _____	_____
_____	_____ @ _____	_____
_____	_____ @ _____	_____
HANDLING <u>30 cu ft</u>	<u>@ 2.35</u>	<u>675.00</u>
MILEAGE <u>11.5K mi</u>	_____	<u>1650.00</u>
TOTAL		<u>6797.90</u>

REMARKS:
50 @ 2460
80 @ 1290
50 @ 1060
50 @ 480
20 @ 100
30R #
J. Hunt Office
Kelly & crew

SERVICE
 DEPTH OF JOB 2460
 PUMP TRUCK CHARGE 1250.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE MSLV 50 @ 4.40 220.00
 MANIFOLD _____ @ _____
MS HV 50 @ 7.70 380.00
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL 1855.00

CHARGE TO: Lario oil & gas
 STREET _____
 CITY _____ STATE _____ ZIP _____

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.

PLUG & FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

PRINTED NAME Sam Static
 SIGNATURE Sam Static

SALES TAX (If Any) _____
 TOTAL CHARGES 8,650.90
 DISCOUNT 2,595.87 IF PAID IN 30 DAYS
6,057.03 Net.



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 138316
Invoice Date: Aug 28, 2013
Page: 1

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

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Lario	61765	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Aug 28, 2013	9/27/13

Quantity	Item	Description	Unit Price	Amount
		Krause A #1-20		
245.00	CEMENT MATERIALS	Class A Common	17.90	4,385.50
9.00	CEMENT MATERIALS	Chloride	64.00	576.00
257.70	CEMENT SERVICE	Cubic Feet	2.48	639.10
595.00	CEMENT SERVICE	Ton Mileage	2.60	1,547.00
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	Joshua Isaac		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		
1.00	EQUIPMENT OPERATOR	Ben Newell		

Handwritten notes: "drilling AFE 13-247", "Surface", "9-9-13 LK", "KE", "SEP 10 2013", "4C".

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

\$ 2,779.45

ONLY IF PAID ON OR BEFORE Sep 22, 2013

Subtotal	9,264.85
Sales Tax	404.36
Total Invoice Amount	9,669.21
Payment/Credit Applied	
TOTAL	9,669.21

ALLIED OIL & GAS SERVICES, LLC 061765

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Great Bend

DATE <u>8-28-13</u>	SEC. <u>20</u>	TWP. <u>885</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>4 AM</u>	JOB FINISH <u>4:30 AM</u>
LEASE <u>Krause A</u> WELL # <u>1-20</u>			LOCATION <u>Scott city 10 W, 15, 4th into</u>			COUNTY <u>Scott</u>	STATE <u>Ks</u>
OLD OR NEW (Circle one)							

CONTRACTOR <u>Southwind</u>	
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/2</u>	T.D.
CASING SIZE <u>8 5/8</u>	DEPTH <u>382.88</u>
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15 ft</u>	
PERFS.	
DISPLACEMENT <u>bbls freshwater</u>	
EQUIPMENT	
PUMP TRUCK # <u>398</u>	CEMENTER <u>Dush 15 gal</u>
	HELPER <u>Mike scothorn</u>
BULK TRUCK # <u>344-170</u>	DRIVER <u>Ben Newell</u>
BULK TRUCK #	DRIVER

OWNER			
CEMENT			
AMOUNT ORDERED <u>245 sks Class A</u>			
<u>3% cc 2%</u>			
COMMON	<u>245</u>	@ <u>17.90</u>	<u>4,385.50</u>
POZMIX		@	
GEL		@	
CHLORIDE	<u>9</u>	@ <u>64.00</u>	<u>576.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>257.70</u>	@ <u>2.48</u>	<u>639.10</u>
MILEAGE	<u>595 X</u>	<u>2.60</u>	<u>1547.00</u>
			TOTAL <u>7,147.60</u>

REMARKS:

On location - Rig up - Had safety Meeting
Run 8 5/8 casing, break circulation w/ rig mud
Hook up cement pump, pressure test loops!
Pump 5 bbls fresh water ahead
Mix 245 sks Class A 3% cc 2% gel
Displace 23.43 bbls freshwater
Shut in 4:30 AM
Cement did circulate - Rig down

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE	<u>1512.32</u>		
EXTRA FOOTAGE	@		
MILEAGE	<u>Hum 50</u>	@ <u>7.70</u>	<u>385.00</u>
MANIFOLD	@		
	<u>Hum 50</u>	@ <u>4.40</u>	<u>220.00</u>
	@		
			TOTAL <u>2,117.25</u>

CHARGE TO: Lario oil & gas
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

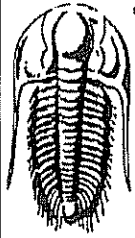
<u>Reda 6000</u>	@		
	@		
	@		
	@		
	@		
			TOTAL _____

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 Adam Steggs

SIGNATURE [Signature]
Thank you!

SALES TAX (If Any)	<u>85</u>
TOTAL CHARGES	<u>9,264.85</u>
DISCOUNT	<u>2,779.45</u>
	IF PAID IN 30 DAYS
	<u>6,485.39</u>



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

20-18s-34w-Scott, Ks

301 Market St.
Wichita, Ks 67202

Krause A #1-20

Job Ticket: 53047

DST#: 1

ATTN: Steve Davis

Test Start: 2013.09.02 @ 22:23:00

GENERAL INFORMATION:

Formation: **Toronto-Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:33:45

Time Test Ended: 06:18:30

Interval: **3968.00 ft (KB) To 4025.00 ft (KB) (TVD)**

Total Depth: **4025.00 ft (KB) (TVD)**

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

Test Type: Conventional Bottom Hole (Initial)

Tester: Cornelio Landa III (

Unit No: 46

Reference Elevations: **3135.00 ft (KB)**

3123.00 ft (CF)

KB to GR/CF: **12.00 ft**

Serial #: **8675**

Inside

Press@RunDepth: **209.88 psig @ 3970.00 ft (KB)**

Start Date: **2013.09.02**

End Date:

2013.09.03

Start Time: **22:23:15**

End Time:

06:18:30

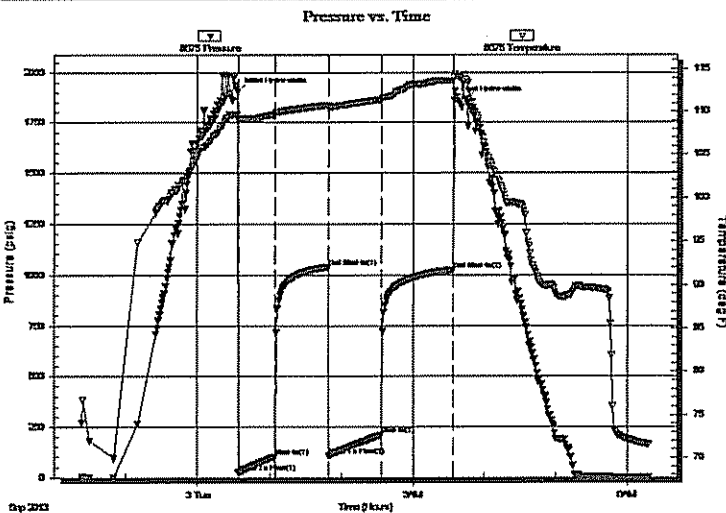
Capacity: **8000.00 psig**

Last Calib.: **2013.09.03**

Time On Btm: **2013.09.03 @ 00:33:15**

Time Off Btm: **2013.09.03 @ 03:34:15**

TEST COMMENT: IF: B.o.b. in 17 mins.
IS: Bled off in 1 1/2 mins.- No return
FF: Surface blow after 1 1/2 open-built to B.o.b. in 21 mins.
FSI: Bled off in 1 min.- No return



PRESSURE SUMMARY

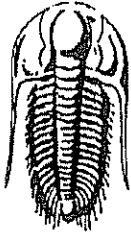
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1902.49	109.68	Initial Hydro-static
1	23.88	108.93	Open To Flow (1)
31	103.49	109.65	Shut-In(1)
76	1037.46	110.74	End Shut-In(1)
76	107.62	110.33	Open To Flow (2)
120	209.88	111.41	Shut-In(2)
181	1023.94	113.60	End Shut-In(2)
181	1859.38	113.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
390.00	Mw 10m 90w	5.47
0.00	RW .12@64=68000	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.

20-18s-34w-Scott, Ks

301 Market St.
Wichita, Ks 67202

Krause A #1-20

Job Ticket: 53047

DST#: 1

ATTN: Steve Davis

Test Start: 2013.09.02 @ 22:23:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 7.96 in³
Resistivity: ohm.m
Salinity: 3400.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: 68000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
390.00	Mw 10m 90w	5.471
0.00	RW .12@64=68000	0.000

Total Length: 390.00 ft Total Volume: 5.471 bbl

Num Fluid Samples: 0

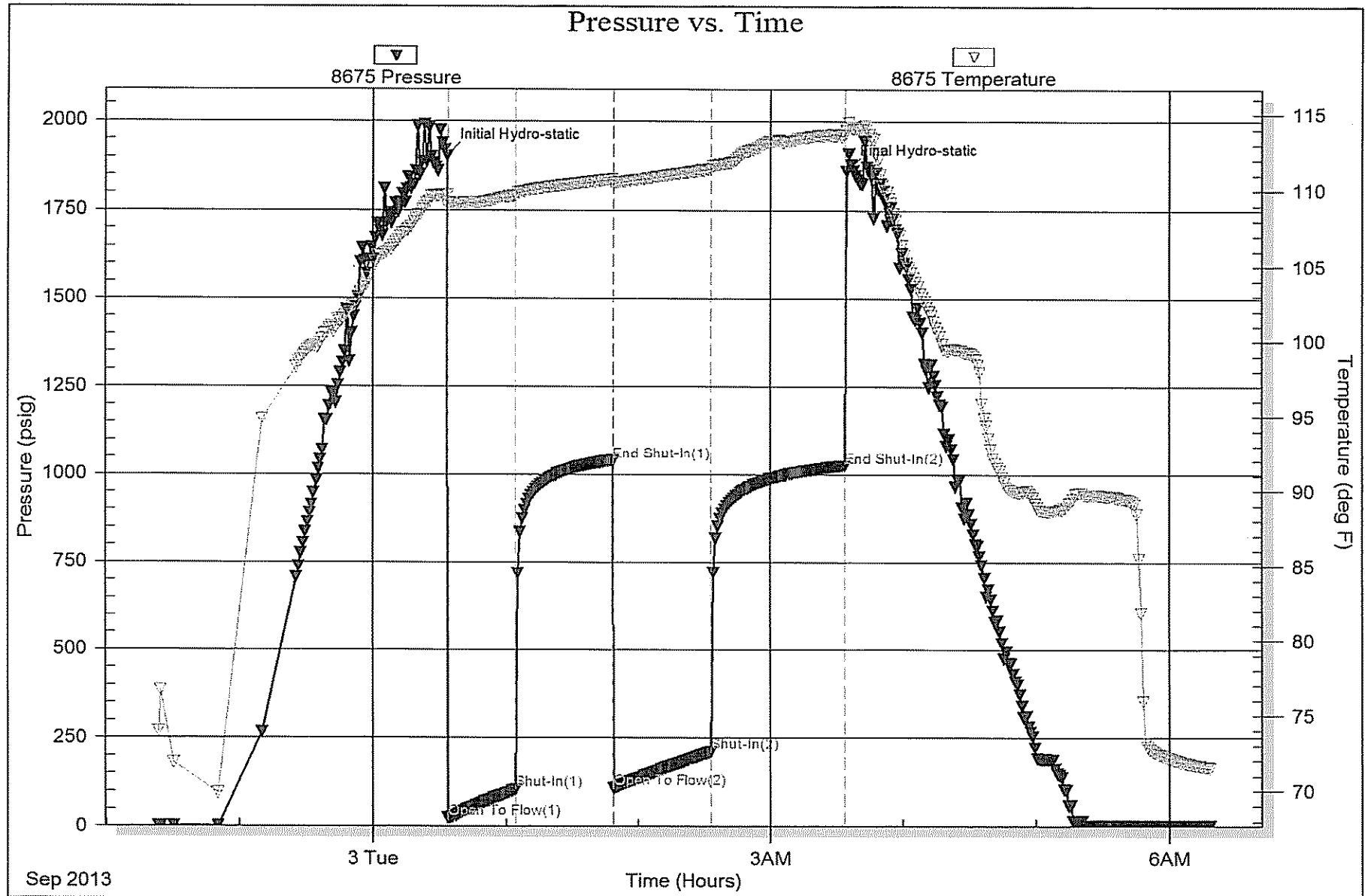
Num Gas Bombs: 0

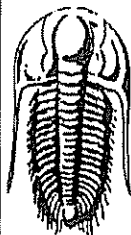
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

20-18s-34w-Scott, Ks

301 Market St.
Wichita, Ks 67202

Krause A #1-20

Job Ticket: 53048

DST#: 2

ATTN: Steve Davis

Test Start: 2013.09.03 @ 18:57:00

GENERAL INFORMATION:

Formation: **Lansing "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:53:30

Time Test Ended: 02:11:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 46

Interval: **4106.00 ft (KB) To 4116.00 ft (KB) (TVD)**

Total Depth: 4116.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3135.00 ft (KB)

3123.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8650

Outside

Press@RunDepth: 80.42 psig @ 4108.00 ft (KB)

Start Date: 2013.09.03

End Date:

2013.09.04

Start Time: 18:57:15

End Time:

02:11:00

Capacity: 8000.00 psig

Last Calib.: 2013.09.04

Time On Btm: 2013.09.03 @ 20:53:15

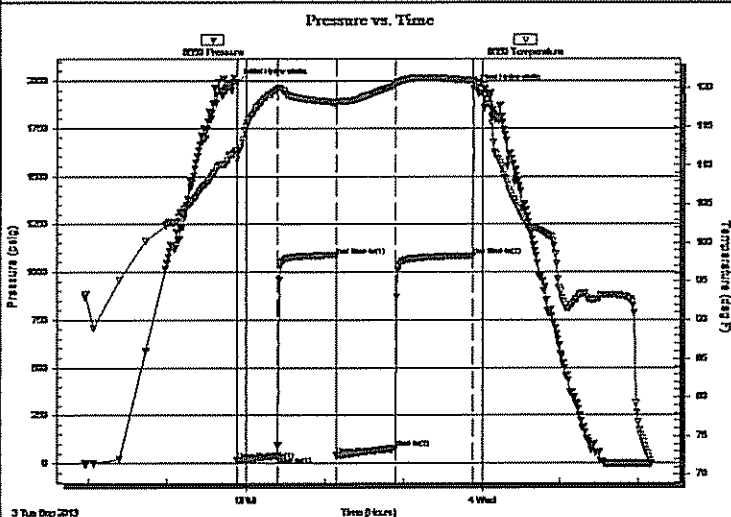
Time Off Btm: 2013.09.03 @ 23:53:15

TEST COMMENT: IF: Surface blow after 3 1/2 min. open- built to 2 in. of Blow

IS: No return

FF: Weak surface blow after 7 mins. open-built to 1/8 in. of blow-died in 23 mins.

FSI: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1991.20	111.88	Initial Hydro-static
1	14.56	110.72	Open To Flow (1)
31	39.16	119.79	Shut-In(1)
75	1085.95	118.11	End Shut-In(1)
76	41.10	117.71	Open To Flow (2)
120	80.42	120.38	Shut-In(2)
180	1085.57	120.95	End Shut-In(2)
180	1958.20	121.07	Final Hydro-static

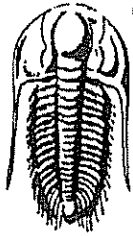
Recovery

Length (ft)	Description	Volume (bbl)
140.00	Mw 20m 80w w ith oil specs	1.96

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.

20-18s-34w-Scott, Ks

301 Market St.
Wichita, Ks 67202

Krause A #1-20

Job Ticket: 53048

DST#: 2

ATTN: Steve Davis

Test Start: 2013.09.03 @ 18:57:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 46.00 sec/qt
Water Loss: 7.98 in³
Resistivity: ohm.m
Salinity: 5000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: 39000 ppm

Recovery Information

Recovery Table

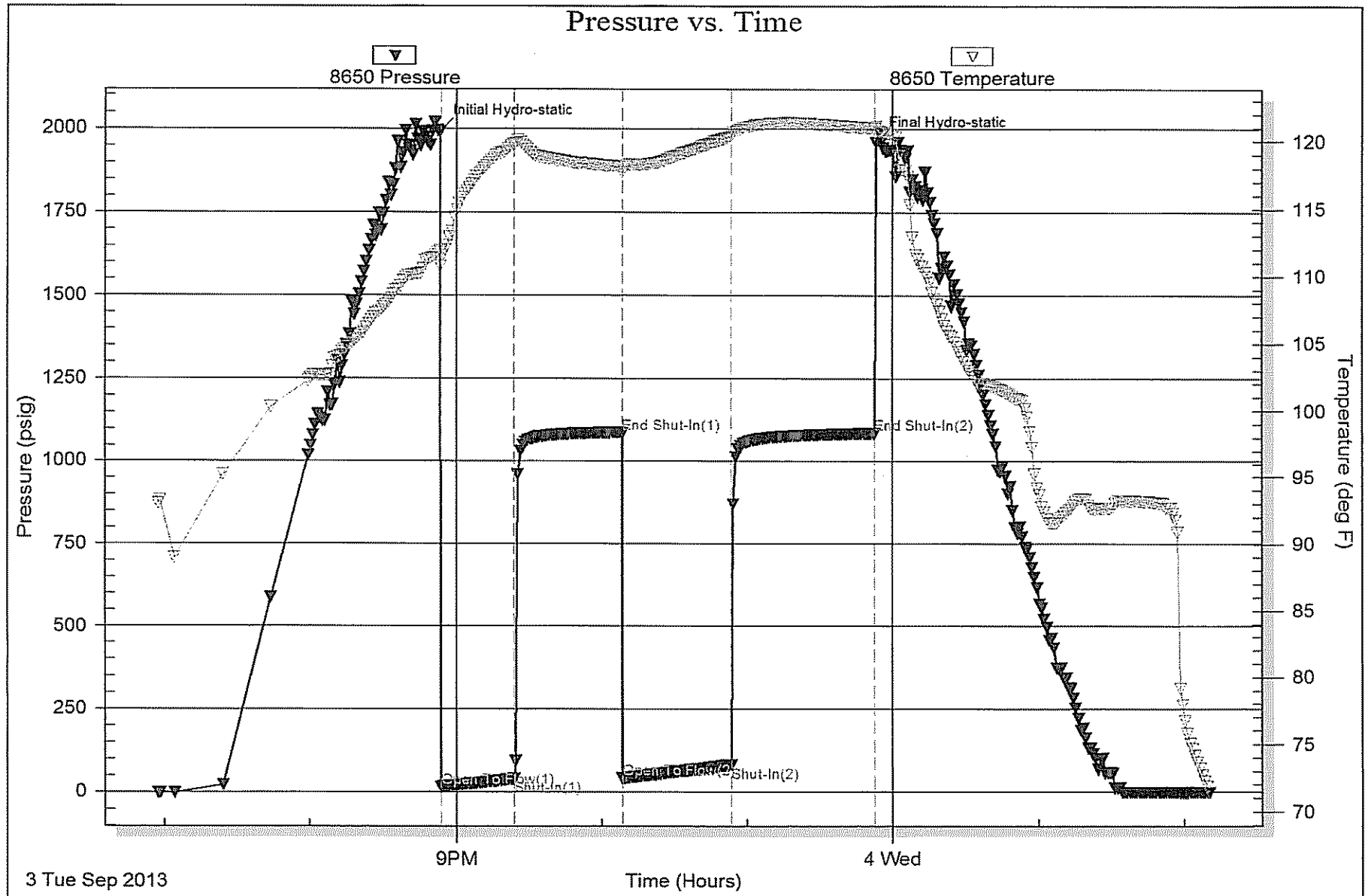
Length ft	Description	Volume bbl
140.00	Mw 20m 80w with oil specs	1.964

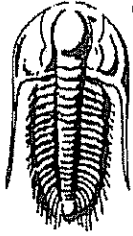
Total Length: 140.00 ft Total Volume: 1.964 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .19@66=39000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

20-18s-34w-Scott, Ks

301 Market St.
Wichita, Ks 67202

Krause A #1-20

Job Ticket: 53049

DST#: 3

ATTN: Steve Davis

Test Start: 2013.09.04 @ 18:53:00

GENERAL INFORMATION:

Formation: **Lansing "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:58:30

Time Test Ended: 02:06:30

Interval: **4214.00 ft (KB) To 4235.00 ft (KB) (TVD)**

Total Depth: 4235.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 46

Reference Elevations: 3135.00 ft (KB)

3123.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8650

Outside

Press@RunDepth: 43.36 psig @ 4217.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.04 End Date: 2013.09.05

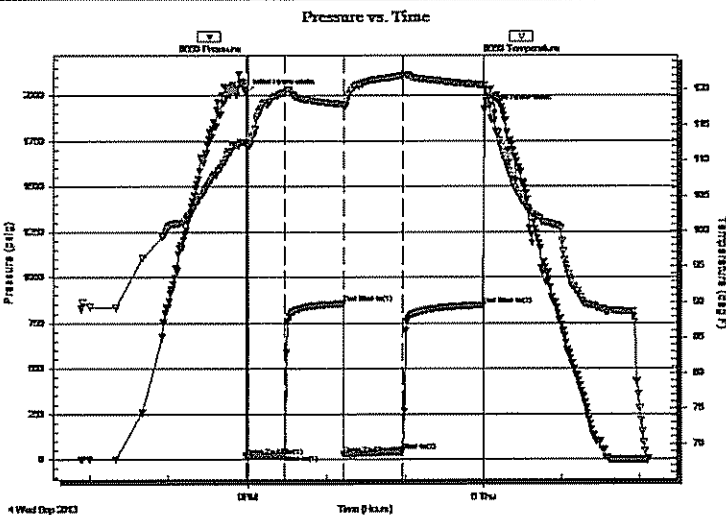
Last Calib.: 2013.09.05

Start Time: 18:53:15 End Time: 02:06:30

Time On Btm: 2013.09.04 @ 20:58:15

Time Off Btm: 2013.09.05 @ 00:00:15

TEST COMMENT: IF: 1 1/4 in. of blow
IS: No return
FF: Surface blow after 21 min. open- Built to 3/4 in. of Blow
FS: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2010.61	112.52	Initial Hydro-static
1	19.14	112.06	Open To Flow (1)
30	26.30	119.56	Shut-In(1)
75	856.66	117.87	End Shut-In(1)
75	29.01	117.48	Open To Flow (2)
120	43.36	122.02	Shut-In(2)
182	848.02	120.62	End Shut-In(2)
182	1922.09	120.61	Final Hydro-static

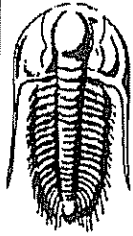
Recovery

Length (ft)	Description	Volume (bbl)
60.00	Water 100w	0.84

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.

20-18s-34w-Scott, Ks

301 Market St.
Wichita, Ks 67202

Krause A #1-20

Job Ticket: 53049

DST#: 3

ATTN: Steve Davis

Test Start: 2013.09.04 @ 18:53:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 45.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 6100.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: 38000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Water 100w	0.842

Total Length: 60.00 ft Total Volume: 0.842 bbl

Num Fluid Samples: 0

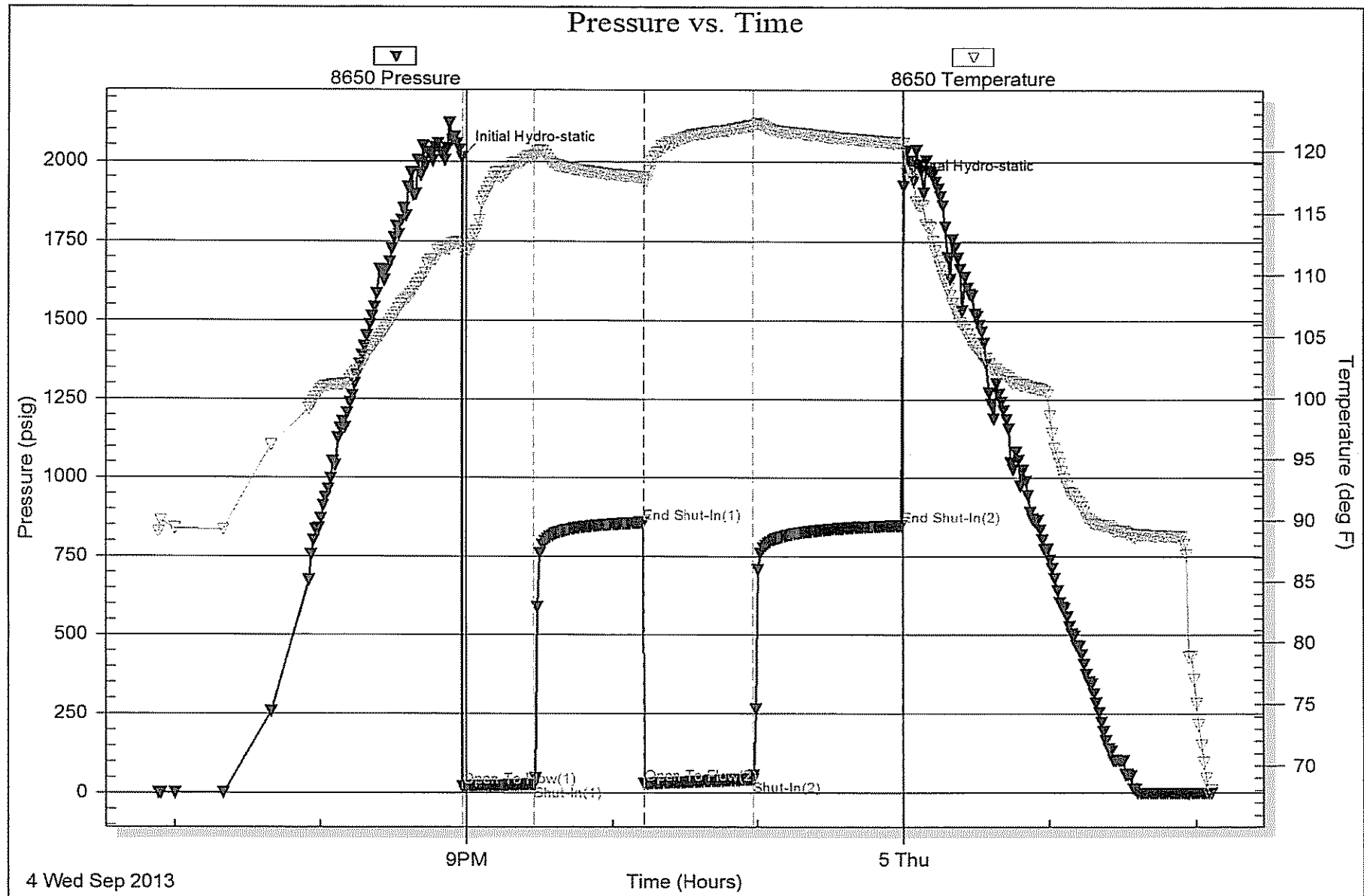
Num Gas Bombs: 0

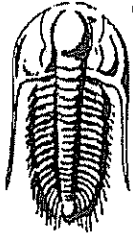
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .20@68=38000





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

20-18s-34w-Scott, Ks

301 Market St.
Wichita, Ks 67202

Krause A #1-20

Job Ticket: 53050

DST#: 4

ATTN: Steve Davis

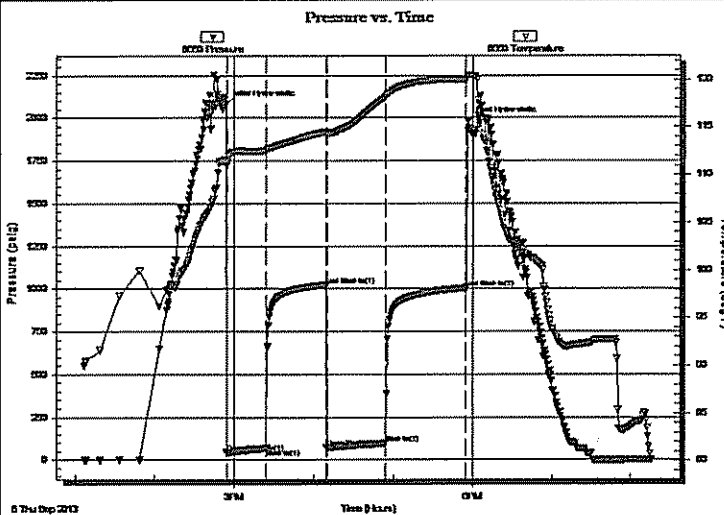
Test Start: 2013.09.05 @ 13:07:00

GENERAL INFORMATION:

Formation: Lkc "I"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:54:30
 Time Test Ended: 20:16:30
 Interval: 4247.00 ft (KB) To 4267.00 ft (KB) (TVD)
 Total Depth: 4267.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cornelio Landa III (
 Unit No: 46
 Reference Elevations: 3135.00 ft (KB)
 3123.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8650 Outside
 Press@RunDepth: 97.94 psig @ 4249.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.05 End Date: 2013.09.05 Last Calib.: 2013.09.05
 Start Time: 13:07:15 End Time: 20:16:30 Time On Btm: 2013.09.05 @ 14:54:00
 Time Off Btm: 2013.09.05 @ 17:56:15

TEST COMMENT: IF: 5 1/2 in. of Blow
 IS: No return
 FF: 5 in. of Blow
 FSI: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.26	111.59	Initial Hydro-static
1	43.41	110.97	Open To Flow (1)
31	68.10	112.52	Shut-In(1)
76	1022.72	114.54	End Shut-In(1)
76	72.97	114.13	Open To Flow (2)
120	97.94	118.16	Shut-In(2)
181	1004.28	119.95	End Shut-In(2)
183	1979.44	120.46	Final Hydro-static

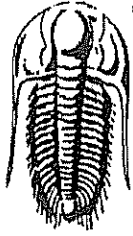
Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mw 50m 50w with oil specs	0.84
60.00	Om 10o 90m with gas odor	0.84
30.00	Clean oil 100o	0.42
0.00	60 GIP	0.00
0.00	RW .14@86=32000	0.00
0.00	Gravity=17	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.

20-18s-34w-Scott, Ks

301 Market St.
Wichita, Ks 67202

Krause A #1-20

Job Ticket: 53050

DST#: 4

ATTN: Steve Davis

Test Start: 2013.09.05 @ 13:07:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 7000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: 320000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mw 50m 50w with oil specs	0.842
60.00	Om 10o 90m with gas odor	0.842
30.00	Clean oil 100o	0.421
0.00	60 GIP	0.000
0.00	RW .14@86=32000	0.000
0.00	Gravity=17	0.000

Total Length: 150.00 ft Total Volume: 2.105 bbl

Num Fluid Samples: 0

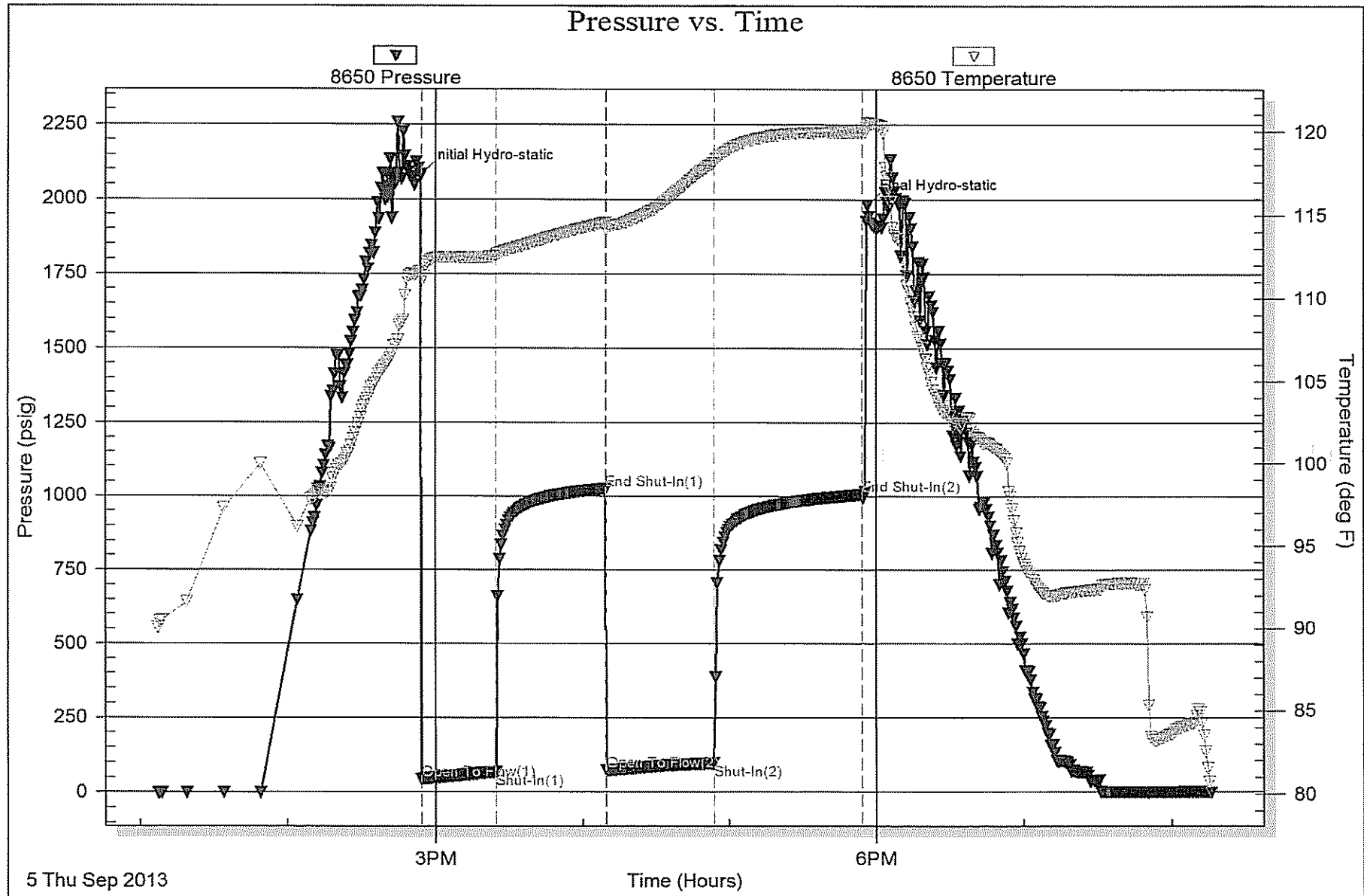
Num Gas Bombs: 0

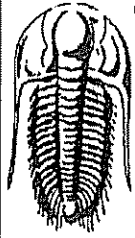
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

20-18s-34w-Scott, Ks

301 Market St.
Wichita, Ks 67202

Krause A #1-20

Job Ticket: 54501

DST#: 5

ATTN: Steve Davis

Test Start: 2013.09.07 @ 02:55:00

GENERAL INFORMATION:

Formation: **Marmaton "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:33:15

Time Test Ended: 10:07:15

Interval: **4469.00 ft (KB) To 4498.00 ft (KB) (TVD)**

Total Depth: 4498.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 46

Reference Elevations: 3135.00 ft (KB)

3123.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8650

Press@RunDepth: 66.25 psig @ ft (KB)

Start Date: 2013.09.07 End Date: 2013.09.07

Start Time: 02:55:15 End Time: 10:07:15

Capacity: 8000.00 psig

Last Calib.: 2013.09.07

Time On Btm: 2013.09.07 @ 05:33:00

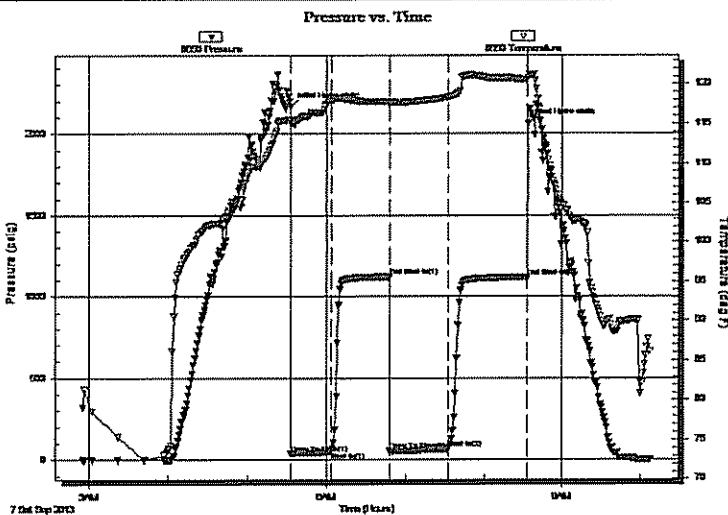
Time Off Btm: 2013.09.07 @ 08:34:15

TEST COMMENT: IF: 2 1/2 in. of Blow

IS: No return

FF: Surface blow after 9 min. open- built to 1 in. of Blow

FS: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2166.78	115.51	Initial Hydro-static
1	37.70	114.99	Open To Flow (1)
31	50.94	118.13	Shut-In(1)
75	1122.51	117.79	End Shut-In(1)
75	57.31	117.40	Open To Flow (2)
120	66.25	118.37	Shut-In(2)
180	1119.74	120.60	End Shut-In(2)
182	2063.02	120.86	Final Hydro-static

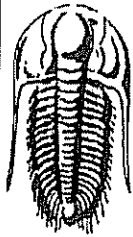
Recovery

Length (ft)	Description	Volume (bbl)
95.00	Ocm 20o 80m	1.33
10.00	Oil 100o Clean oil	0.14
0.00	Gravity 24	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.

20-18s-34w-Scott, Ks

301 Market St.
Wichita, Ks 67202

Krause A #1-20

Job Ticket: 54501

DST#: 5

ATTN: Steve Davis

Test Start: 2013.09.07 @ 02:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 65.00 sec/qt

Water Loss: 11.99 in³

Resistivity: ohm.m

Salinity: 12000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	Ocm 20o 80m	1.333
10.00	Oil 100o Clean oil	0.140
0.00	Gravity 24	0.000

Total Length: 105.00 ft

Total Volume: 1.473 bbl

Num Fluid Samples: 0

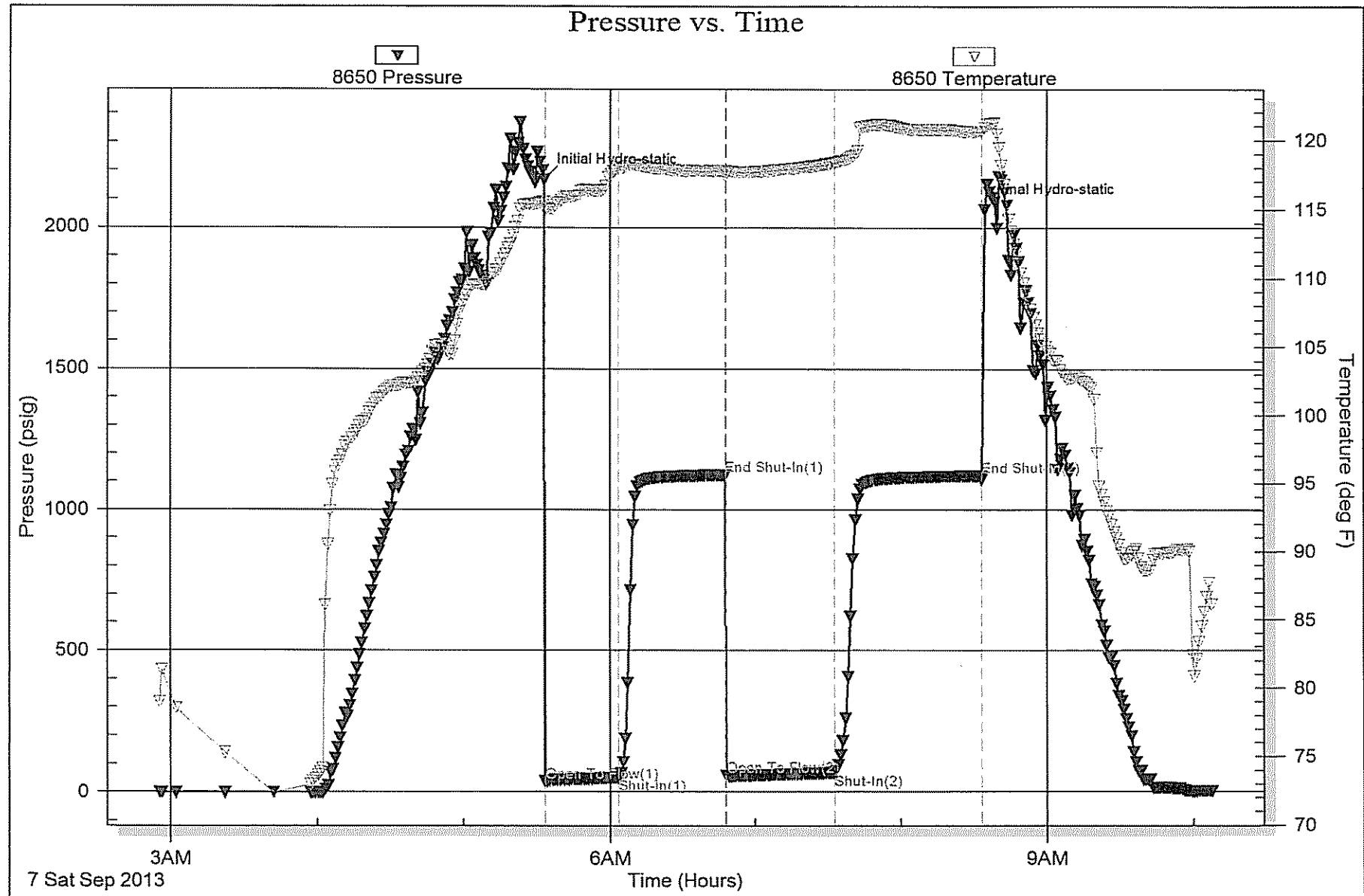
Num Gas Bombs: 0

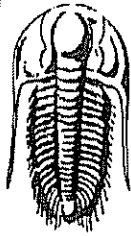
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

20-18s-34w-Scott, Ks

301 Market St.
Wichita, Ks 67202

Krause A #1-20

Job Ticket: 54502

DST#: 6

ATTN: Steve Davis

Test Start: 2013.09.07 @ 21:07:00

GENERAL INFORMATION:

Formation: **Marmaton "B & "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:17:00

Time Test Ended: 04:22:30

Interval: **4501.00 ft (KB) To 4547.00 ft (KB) (TVD)**

Total Depth: 4547.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 46

Reference Elevations: 3135.00 ft (KB)

3123.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8650

Press@RunDepth: 22.47 psig @ ft (KB)

Start Date: 2013.09.07 End Date: 2013.09.08

Start Time: 21:07:15 End Time: 04:22:30

Capacity: 8000.00 psig

Last Calib.: 2013.09.08

Time On Btm: 2013.09.07 @ 23:16:45

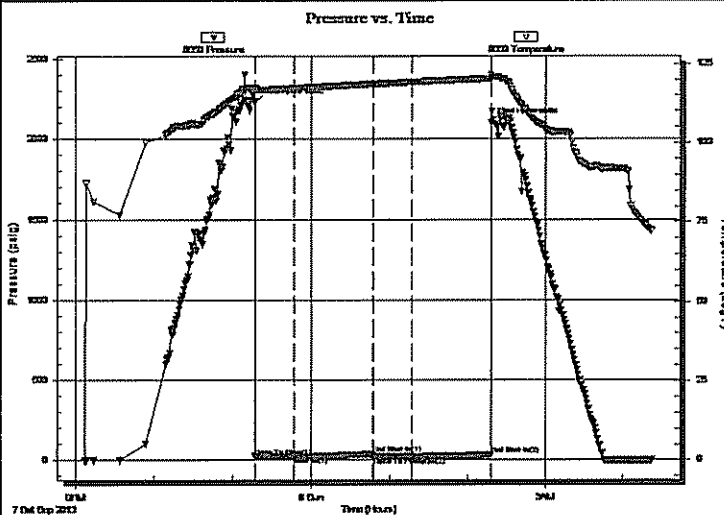
Time Off Btm: 2013.09.08 @ 02:17:30

TEST COMMENT: IF: Weak surface blow -died in 10 mins.

IS: No return

FF: No blow

FS: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2227.94	117.31	Initial Hydro-static
1	23.13	116.22	Open To Flow (1)
30	24.33	117.16	Shut-In(1)
91	36.35	118.57	End Shut-In(1)
91	22.45	118.56	Open To Flow (2)
120	22.47	119.15	Shut-In(2)
181	32.05	120.18	End Shut-In(2)
181	2102.30	121.48	Final Hydro-static

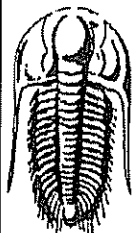
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud with oil specs 100m	0.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.

20-18s-34w-Scott, Ks

301 Market St.
Wichita, Ks 67202

Krause A #1-20

Job Ticket: 54502

DST#: 6

ATTN: Steve Davis

Test Start: 2013.09.07 @ 21:07:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 11.99 in³

Resistivity: ohm.m

Salinity: 14000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud with oil specs 100m	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

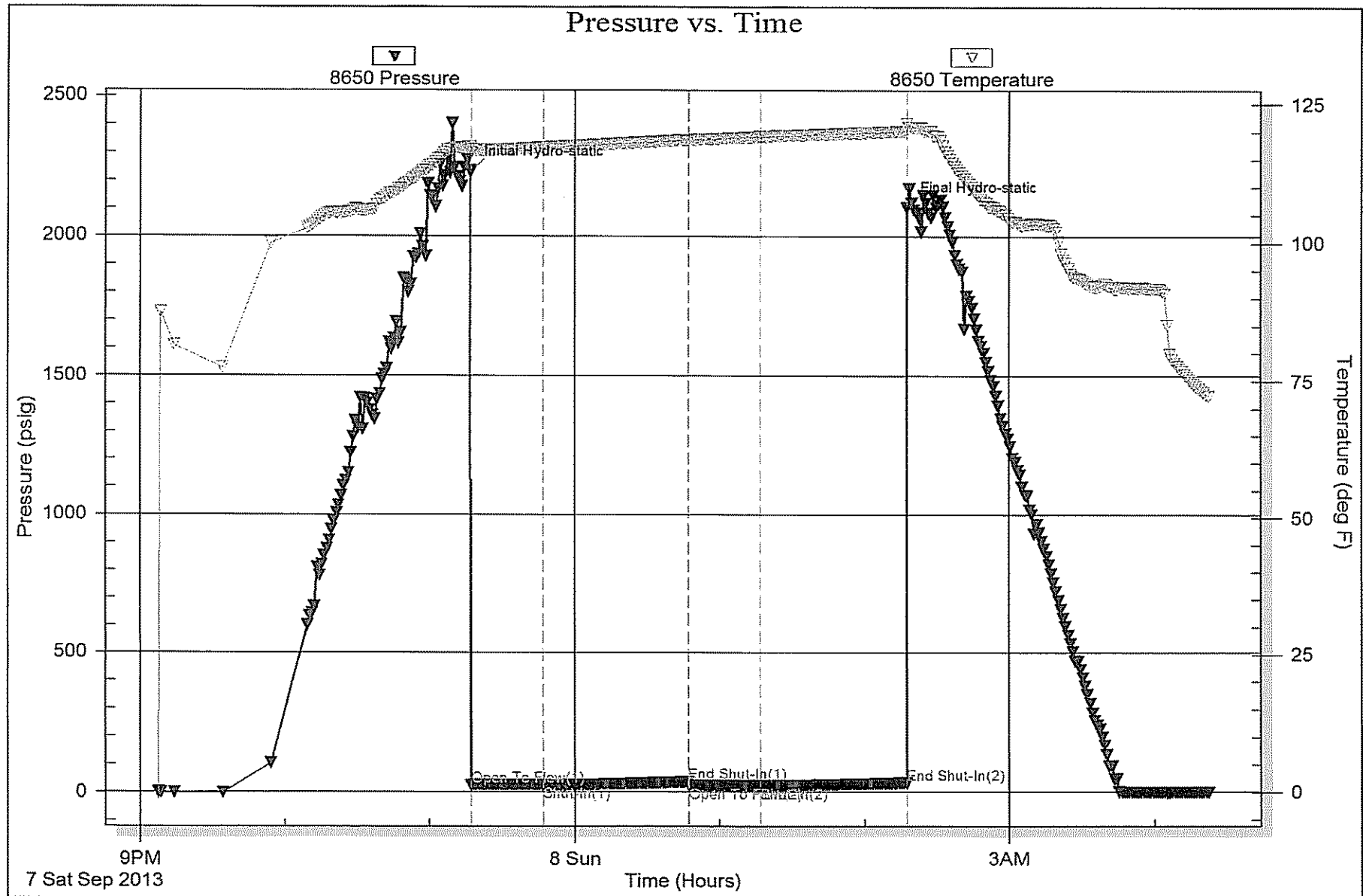
Num Gas Bombs: 0

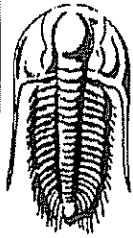
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

20-18s-34w-Scott, Ks

301 Market St.
Wichita, Ks 67202

Krause A #1-20

Job Ticket: 54503

DST#: 7

ATTN: Steve Davis

Test Start: 2013.09.08 @ 19:00:00

GENERAL INFORMATION:

Formation: **Pawnee-Ft. Scott- Ch**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:04:30

Time Test Ended: 02:03:45

Interval: **4549.00 ft (KB) To 4636.00 ft (KB) (TVD)**

Total Depth: 4636.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 46

Reference Elevations: 3135.00 ft (KB)

3123.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8650

Press@RunDepth: 19.58 psig @ ft (KB)

Start Date: 2013.09.08

End Date: 2013.09.09

Start Time: 19:00:15

End Time: 02:03:45

Capacity: 8000.00 psig

Last Calib.: 2013.09.09

Time On Btm: 2013.09.08 @ 21:04:00

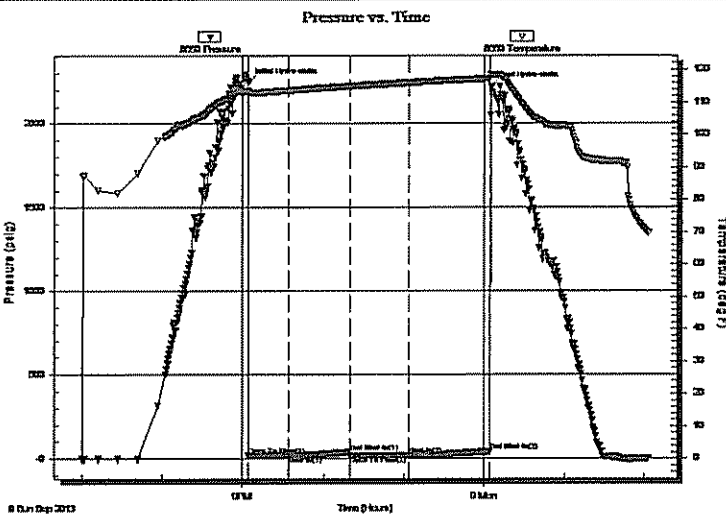
Time Off Btm: 2013.09.09 @ 00:05:15

TEST COMMENT: IF: Steady surface blow -died in 22 min.

IS: No return

FF: No blow

FS: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2244.38	113.37	Initial Hydro-static
1	17.69	112.87	Open To Flow (1)
30	21.04	113.63	Shut-In(1)
76	38.15	114.90	End Shut-In(1)
76	19.98	114.90	Open To Flow (2)
120	19.58	115.97	Shut-In(2)
180	41.55	117.22	End Shut-In(2)
182	2223.71	118.36	Final Hydro-static

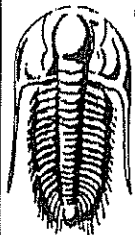
Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud 100m	0.06

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.

20-18s-34w-Scott, Ks

301 Market St.
Wichita, Ks 67202

Krause A #1-20

Job Ticket: 54503

DST#: 7

ATTN: Steve Davis

Test Start: 2013.09.08 @ 19:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 11.98 in³

Resistivity: ohm.m

Salinity: 11000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	Mud 100m	0.056

Total Length: 4.00 ft Total Volume: 0.056 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

