



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1078096
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: _____

1078096

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> <i>(Submit ACO-4)</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	Kruse-Novak 1-31
Doc ID	1078096

All Electric Logs Run

CDL/CNL/PE
DIL
SONIC
MEL

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Kruse-Novak 1-31
Doc ID	1078096

Tops

Name	Top	Datum
Heebner	4003	-834
Stark Sh	4355	-1186
Hushpuckney	4412	-1243
Base KC	4482	-1313
Marmaton	4514	-1345
Pawnee	4600	-1431
Ft. Scott	4623	-1454
Morrow	4813	-1644
Basal Penn	4879	-1710
Mississippian	4898	-1729
St. Louis	4955	-1786

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

April 17, 2012

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

Re: ACO1
API 15-171-20869-00-00
Kruse-Novak 1-31
SW/4 Sec.31-18S-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: 130778
Invoice Date: Apr 10, 2012
Page: 1



*drilling AFE 12-050
4-23-12 LK*

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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	Kruse Novak#1-31	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Great Bend	Apr 10, 2012	5/10/12

Quantity	Item	Description	Unit Price	Amount
168.00	MAT	Class A Common	16.25	2,730.00
112.00	MAT	Pozmix	8.50	952.00
9.00	MAT	Gel	21.25	191.25
299.60	SER	Handling	2.10	629.16
50.00	SER	Ton Miles	29.43	1,471.68
1.00	SER	Rotary Plug	1,250.00	1,250.00
50.00	SER	Heavy Vehicle Mileage	7.00	350.00
50.00	SER	Light Vehicle Mileage	4.00	200.00
1.00	EQUIP OPER	Greg Redetzke		
1.00	OPER ASSIST	Jonathon Ploutz		
1.00	OPER ASSIST	Kevin Weighous		

Accd	Expt	File	OK	FILE	JAY
GC					
KC					DB
HY					MB
PV					DM
APR 25 2012					

Subtotal	7,774.09
Sales Tax	567.51
Total Invoice Amount	8,341.60
Payment/Credit Applied	
TOTAL	8,341.60

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

\$ 1554.82

ONLY IF PAID ON OR BEFORE
May 5, 2012

ALLIED OIL & GAS SERVICES, LLC 053510

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend, KS

DATE <u>4-10-12</u>	SEC <u>31</u>	TWP <u>18</u>	RANGE <u>3F</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00 am</u>	JOB FINISH <u>10:00 am</u>
LEASE <u>Novak</u>		WELL# <u>1-31</u>	LOCATION <u>Scott City, 65 West to</u>	COUNTY <u>Scott</u>	STATE <u>KS</u>		
OLD OR <u>(NEW)</u> (Circle one)		<u>Wideto Cr line, 35 south, east side</u>					
CONTRACTOR <u>Duke Rig 4</u>				OWNER <u>Lario</u>			
TYPE OF JOB <u>Rotary Plug</u>							
HOLE SIZE <u>7 7/8</u>	T.D.			CEMENT			
CASING SIZE	DEPTH			AMOUNT ORDERED <u>980 lbs 60/40 102</u>			
TUBING SIZE	DEPTH			<u>4 3/4 gel 14 1/2 229</u>			
DRILL PIPE	DEPTH						
TOOL	DEPTH						
PRES. MAX	MINIMUM			COMMON <u>168</u> @ <u>16.25</u> <u>2730.00</u>			
MEAS. LINE	SHOE JOINT			POZMIX <u>112</u> @ <u>8.50</u> <u>952.00</u>			
CEMENT LEFT IN CSG.				GEL <u>9</u> @ <u>21.25</u> <u>191.25</u>			
PERFS.				CHLORIDE @			
DISPLACEMENT				ASC @			

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Greg R</u>
# <u>366</u>	HELPER <u>John P</u>
BULK TRUCK	
# <u>482/188</u>	DRIVER <u>Kevin B</u>
BULK TRUCK	
#	DRIVER

REMARKS:

1st plug mix 50 5x @ 2430 ft
2nd plug mix 80 5x @ 1320 ft
3rd plug mix 50 5x @ 150 ft
4th plug mix 50 5x @ 310 ft
Mix 20 5x @ 60 ft
Mix 50 5x @ 29 hole

CHARGE TO: Lario
 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.

PRINTED NAME Rich Wheeler
 SIGNATURE Rich Wheeler
Thank You!

HANDLING <u>299.6</u>	@ <u>2.10</u>	<u>629.16</u>
MILEAGE <u>12.525 x .50x</u>	<u>2.35</u>	<u>1,477.62</u>
TOTAL		<u>5974.02</u>

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1250.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>Hum 50</u>	@ <u>7.00</u>	<u>350.00</u>
MANIFOLD <u>Hum 50</u>	@ <u>4.00</u>	<u>200.00</u>
TOTAL		<u>1800.00</u>

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

SALES TAX (If Any) _____
 TOTAL CHARGES 7,774.09
 DISCOUNT _____ IF PAID IN 30 DAYS



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 130645
Invoice Date: Mar 29, 2012
Page: 1

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

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

drilling AFE 12050
Surface pipe cmt
4-8-12 LK



Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	Kruse-Novak #1-31	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Mar 29, 2012	4/28/12

Quantity	Item	Description	Unit Price	Amount
210.00	MAT	Class A Common	16.25	3,412.50
4.00	MAT	Gel	21.25	85.00
7.00	MAT	Chloride	58.20	407.40
221.00	SER	Handling	2.25	497.25
50.00	SER	Mileage	24.31	1,215.50
1.00	SER	Surface	1,125.00	1,125.00
8.00	SER	Extra Footage	0.95	7.60
50.00	SER	Heavy Vehicle Mileage	7.00	350.00
1.00	SER	Manifold Head Rental	200.00	200.00
50.00	SER	Light Vehicle Mileage	4.00	200.00
1.00	EQP	8 5/8 Wooden Plug	92.00	92.00
1.00	CEMENTER	LaRene Wentz		
1.00	OPER ASSIST	Dane Retzloff		
1.00	OPER ASSIST	Billy Turner		

al
xl
APR 0 2012
al
xl

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

\$ 1956.38

ONLY IF PAID ON OR BEFORE
Apr 23, 2012

Subtotal	7,592.25
Sales Tax	291.77
Total Invoice Amount	7,884.02
Payment/Credit Applied	
TOTAL	7,884.02

ALLIED CEMENTING CO., LLC. 034612

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Oakley, KS

DATE <u>3-27-02</u>	SEC. <u>31</u>	TWP. <u>18</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>6:00pm</u>	JOB START <u>7:00pm</u>	JOB FINISH <u>1:30pm</u>
LEASE <u>Russell</u>	WELL # <u>1-31</u>	LOCATION <u>Scott City 100, 45, 21/2</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR NEW (circle one)							

CONTRACTOR Duke #4
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4" T.D. 309'
 CASING SIZE 8 1/8" DEPTH 308'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 18.82 bbl

OWNER same
 CEMENT AMOUNT ORDERED 210 SK Com 32 CC
2 to get
 COMMON 210 SK @ 16.25 = 3412.50
 POZMIX _____ @ _____
 GEL 4 SK @ 21.25 = 85.00
 CHLORIDE 8 SK @ 58.20 = 465.60
 ASC _____ @ _____
 HANDLING 27 SK @ 7.29 = 196.73
 MILEAGE 44.5 SK/mile = 1815.50
 TOTAL 5612.65

EQUIPMENT
 PUMP TRUCK CEMENTER Lakane
 # 431 HELPER Dave
 BULK TRUCK DRIVER Billy
 # 404
 BULK TRUCK DRIVER _____
 # _____

REMARKS:
Mix 210 SK Com
Displace with water
Cement chip calculate

SERVICE
 DEPTH OF JOB 309'
 PUMP TRUCK CHARGE 1125.00
 EXTRA FOOTAGE 8' @ .99 = 7.92
 MILEAGE 50 @ 35.00 = 1750.00
 MANIFOLD head @ 200.00
L.O. mileage @ 200.00
 TOTAL 1982.60

PLUG & FLOAT EQUIPMENT
1 wooden plug @ 92.00
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL 92.00

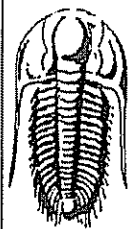
SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

CHARGE TO: Lavis Oil & Gas
 STREET _____
 CITY _____ STATE _____ ZIP _____

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

Bid



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

31-18s-34w Scott CO

301S. Market St.
Wichita KS
67202
ATTN: Tim Lauer

Kruse-Novac 1-31

Job Ticket: 46485 DST#: 1
Test Start: 2012.04.03 @ 21:03:15

GENERAL INFORMATION:

Formation: E,F,G

Deviated: No Whipstock ft (KB)

Time Tool Opened: 23:14:45

Time Test Ended: 04:43:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 48

Interval: 4141.00 ft (KB) To 4217.00 ft (KB) (TVD)

Total Depth: 4217.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3171.00 ft (KB)

3161.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6668

Outside

Press@RunDepth: 548.04 psig @ 4146.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.03

End Date:

2012.04.04

Last Calib.: 2012.04.04

Start Time: 21:03:15

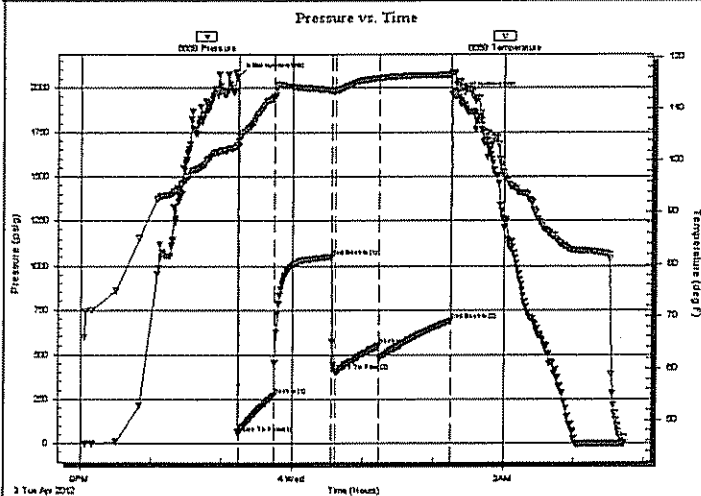
End Time:

04:43:45

Time On Blm: 2012.04.03 @ 23:13:45

Time Off Blm: 2012.04.04 @ 02:15:00

TEST COMMENT: IF:BOB in 3 min.
IS:No return blow
FF:BOB in 5 min.
FS:Return blow built to 1/2" blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2063.11	102.95	Initial Hydro-static
1	56.27	103.75	Open To Flow (1)
31	270.78	112.19	Shut-In(1)
80	1051.22	113.52	End Shut-In(1)
82	407.56	113.33	Open To Flow (2)
120	548.04	115.86	Shut-In(2)
181	687.28	116.50	End Shut-In(2)
182	1957.85	117.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	m 100% m	2.52
1200.00	sw 100% sw	16.83

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company
301S. Market St.
Wichita KS
67202
ATTN: Tim Lauer

31-18s-34w Scott CO
Kruse-Novac 1-31
Job Ticket: 46485 DST#: 1
Test Start: 2012.04.03 @ 21:03:15

Mud and Cushion Information

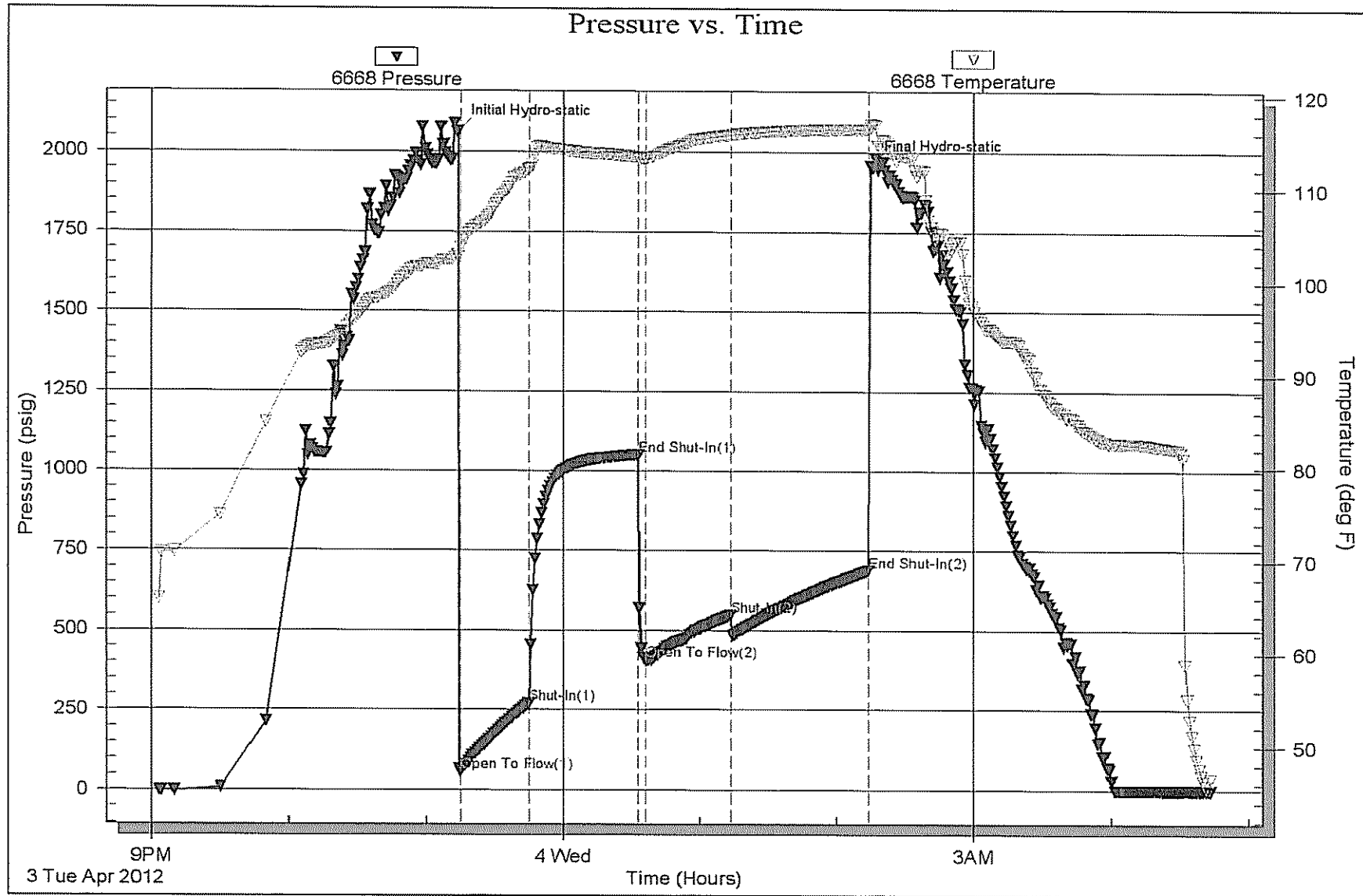
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	26000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	m 100% m	2.525
1200.00	sw 100% sw	16.833

Total Length: 1380.00 ft Total Volume: 19.358 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW=.361@48.2*= 26,000 ppm





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

31-18s-34w Scott CO

301S. Market St.
Wichita KS
67202
ATTN: Tim Lauer

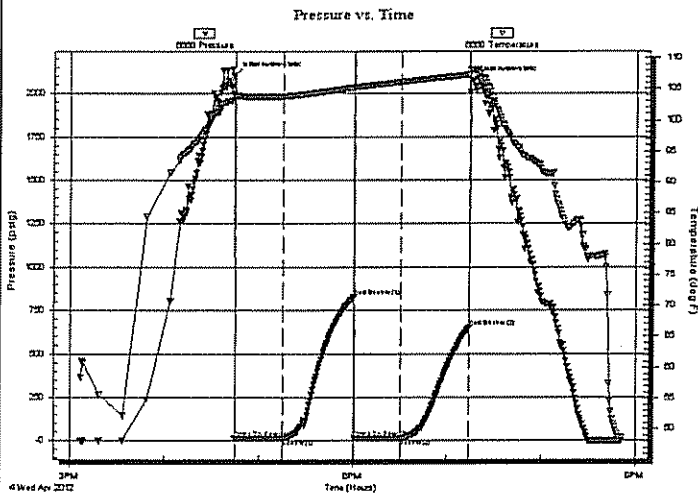
Kruse-Novac 1-31
Job Ticket: 46486 DST#: 2
Test Start: 2012.04.04 @ 15:07:15

GENERAL INFORMATION:

Formation: H	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock ft (KB)	Tester: Mike Roberts
Time Tool Opened: 16:44:45	Unit No: 48
Time Test Ended: 20:51:45	Reference Elevations: 3171.00 ft (KB)
Interval: 4236.00 ft (KB) To 4270.00 ft (KB) (TVD)	3161.00 ft (CF)
Total Depth: 4270.00 ft (KB) (TVD)	KB to GR/CF: 10.00 ft
Hole Diameter: 7.88 inches Hole Condition: Fair	

Serial #: 6668 Outside	Capacity: 8000.00 psig
Press@RunDepth: 12.75 psig @ 4265.00 ft (KB)	Last Calib.: 2012.04.04
Start Date: 2012.04.04 End Date: 2012.04.04	Time On Bltn: 2012.04.04 @ 16:44:15
Start Time: 15:07:00 End Time: 20:51:30	Time Off Bltn: 2012.04.04 @ 19:15:15

TEST COMMENT: IF: Built to weak surface blow
IS: No return blow
FF: No blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2104.69	104.31	Initial Hydro-static
1	11.44	103.61	Open To Flow (1)
31	12.08	103.79	Shut-In(1)
77	829.63	105.24	End Shut-In(1)
77	12.44	105.19	Open To Flow (2)
106	12.75	106.12	Shut-In(2)
150	650.42	107.36	End Shut-In(2)
151	2077.13	108.22	Final Hydro-static

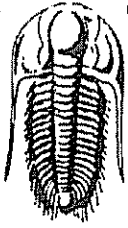
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots	0.07

* 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 Company

31-18s-34w Scott CO

301S. Market St.
Wichita KS
67202

Kruse-Novac 1-31

Job Ticket: 46486

DST#: 2

ATTN: Tim Lauer

Test Start: 2012.04.04 @ 15:07:15

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: 47.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	mud with oil spots	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbf

Num Fluid Samples: 0

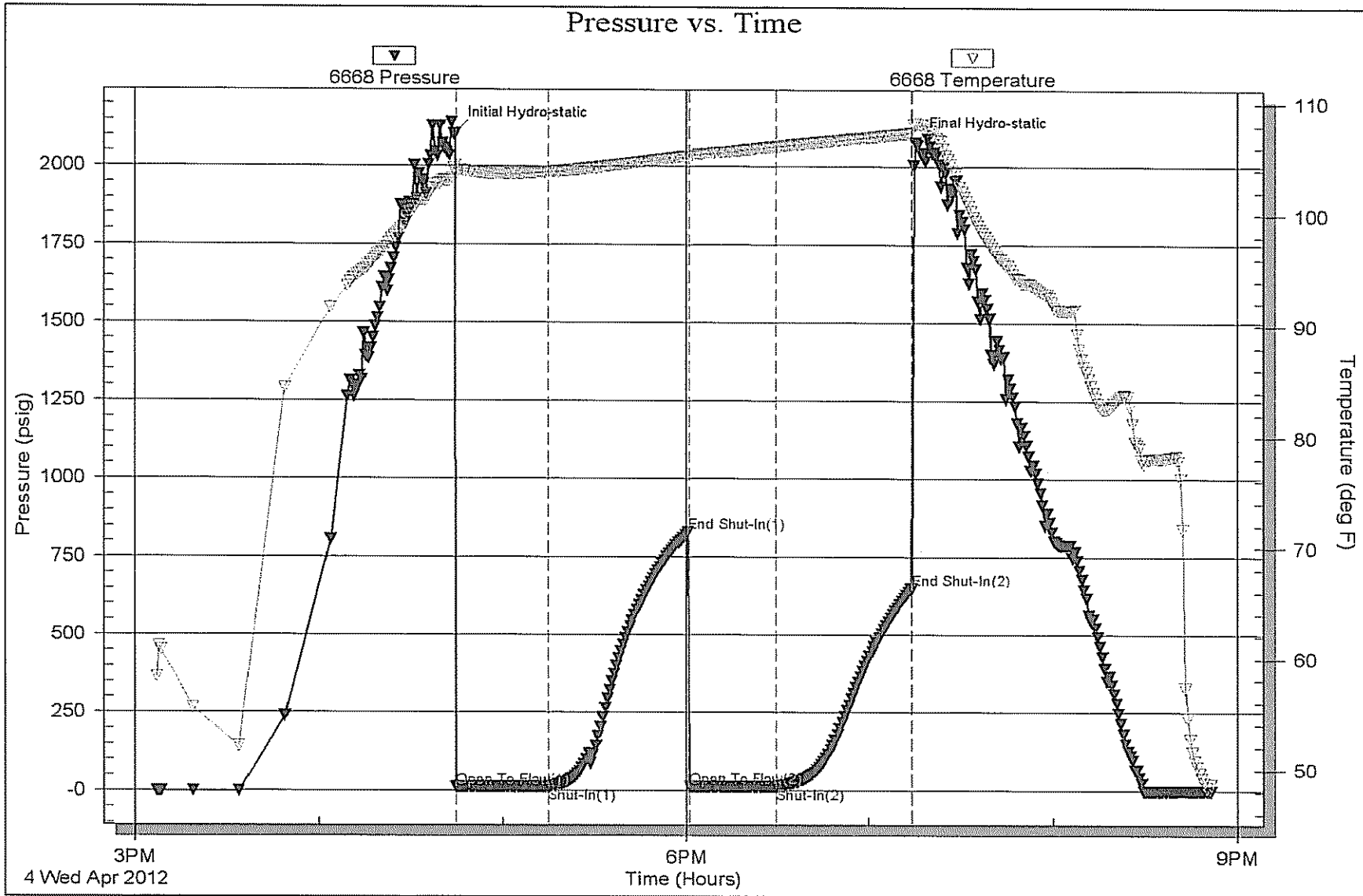
Num Gas Bombs: 0

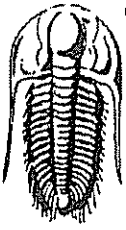
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

31-18s-34w Scott CO

301S. Market St.
Wichita KS
67202

Kruse-Novac 1-31

Job Ticket: 46487

DST#: 3

ATTN: Tim Lauer

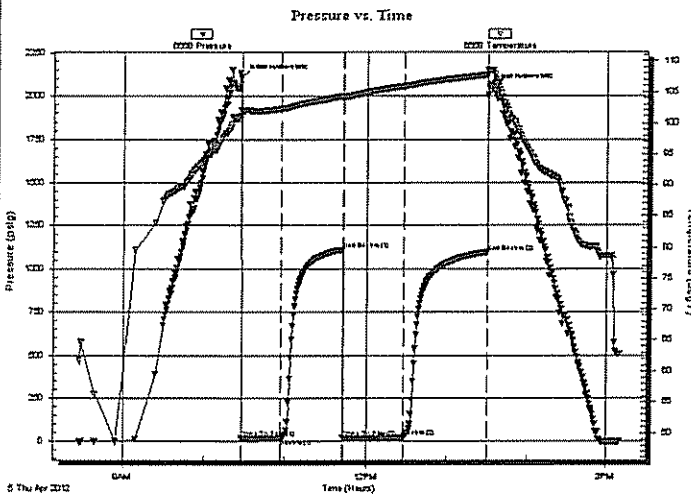
Test Start: 2012.04.05 @ 08:27:15

GENERAL INFORMATION:

Formation: I
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:27:45
 Time Test Ended: 15:09:45
 Interval: 4270.00 ft (KB) To 4310.00 ft (KB) (TVD)
 Total Depth: 4310.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 48
 Reference Elevations: 3171.00 ft (KB)
 3161.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6668 Outside
 Press@RunDepth: 21.10 psig @ 4305.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.05 End Date: 2012.04.05 Last Calib.: 2012.04.05
 Start Time: 08:27:15 End Time: 15:09:45 Time On Btm: 2012.04.05 @ 10:27:30
 Time Off Btm: 2012.04.05 @ 13:31:15

TEST COMMENT: IF: Built to 1" blow
 IS: No return blow
 FF: Built to weak surface blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2109.73	102.05	Initial Hydro-static
1	15.26	100.89	Open To Flow (1)
30	17.31	102.23	Shut-In(1)
75	1114.37	104.27	End Shut-In(1)
76	19.07	104.07	Open To Flow (2)
121	21.10	105.91	Shut-In(2)
183	1098.83	107.76	End Shut-In(2)
184	2052.04	108.55	Final Hydro-static

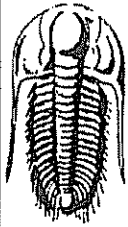
Recovery

Length (ft)	Description	Volume (bbl)
2.00	free oil 100% o	0.03
30.00	mud with oil spots	0.42

* 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 Company

31-18s-34w Scott CO

301S. Market St.
Wichita KS
67202

Kruse-Novac 1-31

Job Ticket: 46487

DST#: 3

ATTN: Tim Lauer

Test Start: 2012.04.05 @ 08:27:15

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 9.17 in³
Resistivity: 0.00 ohm.m
Salinity: 6800.00 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

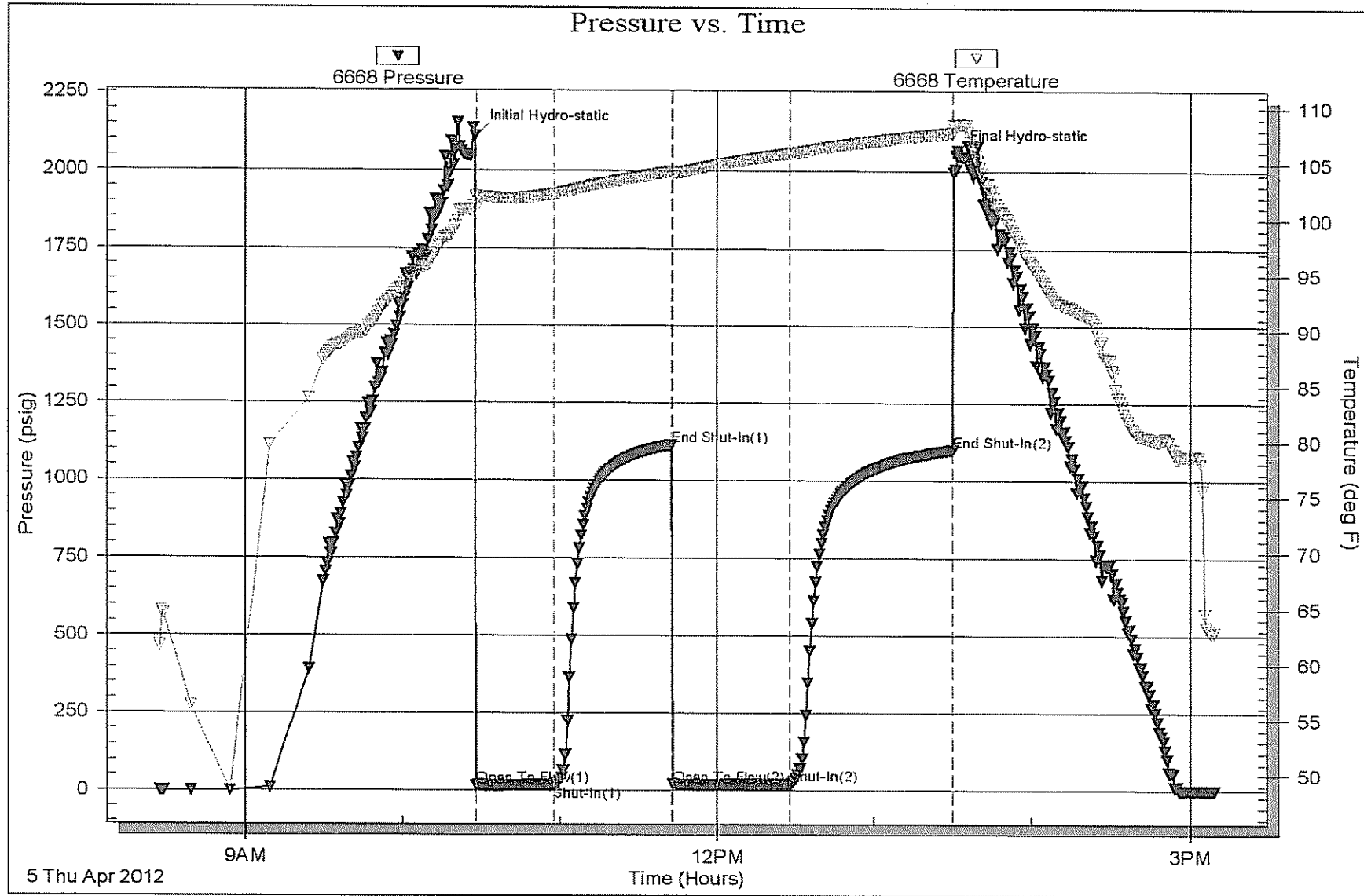
Length ft	Description	Volume bbl
2.00	free oil 100% o	0.028
30.00	mud with oil spots	0.421

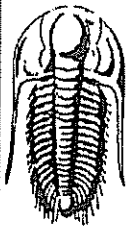
Total Length: 32.00 ft Total Volume: 0.449 bbl

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 Company

31-18s-34w Scott CO

301S. Market St.
Wichita KS
67202
ATTN: Tim Lauer

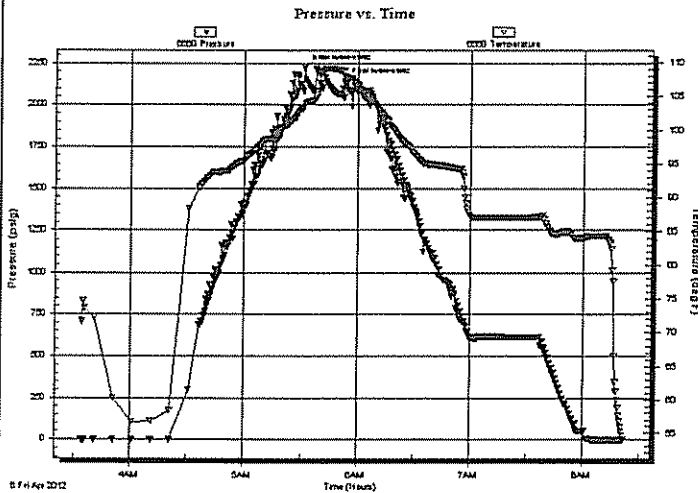
Kruse-Novac 1-31
Job Ticket: 46488 DST#: 4
Test Start: 2012.04.06 @ 03:34:15

GENERAL INFORMATION:

Formation: "K"
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 08:21:30
Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 48
Interval: 4362.00 ft (KB) To 4390.00 ft (KB) (TVD)
Reference Elevations: 3171.00 ft (KB)
Total Depth: 4390.00 ft (KB) (TVD) 3161.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6668 Outside
Press@RunDepth: psig @ 4385.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.04.06 End Date: 2012.04.06 Last Calib.: 2012.04.06
Start Time: 03:34:15 End Time: 08:21:30 Time On Btm: 2012.04.06 @ 05:31:45
Time Off Btm: 2012.04.06 @ 05:53:15

TEST COMMENT: IF:PACKER FAILURE...Tried 2 times no success
IS:
FF:
FS:



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2219.76	103.44	Initial Hydro-static
22	2137.20	108.08	Final Hydro-static

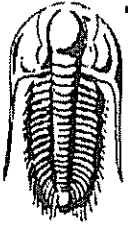
Recovery

Length (ft)	Description	Volume (bbl)
120.00	mud 100% _m	1.68

* 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 Company

31-18s-34w Scott CO

301S. Market St.
Wichita KS
67202

Kruse-Novac 1-31

Job Ticket: 46488

DST#: 4

ATTN: Tim Lauer

Test Start: 2012.04.06 @ 03:34:15

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 8.77 in³
Resistivity: 0.00 ohm.m
Salinity: 6000.00 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

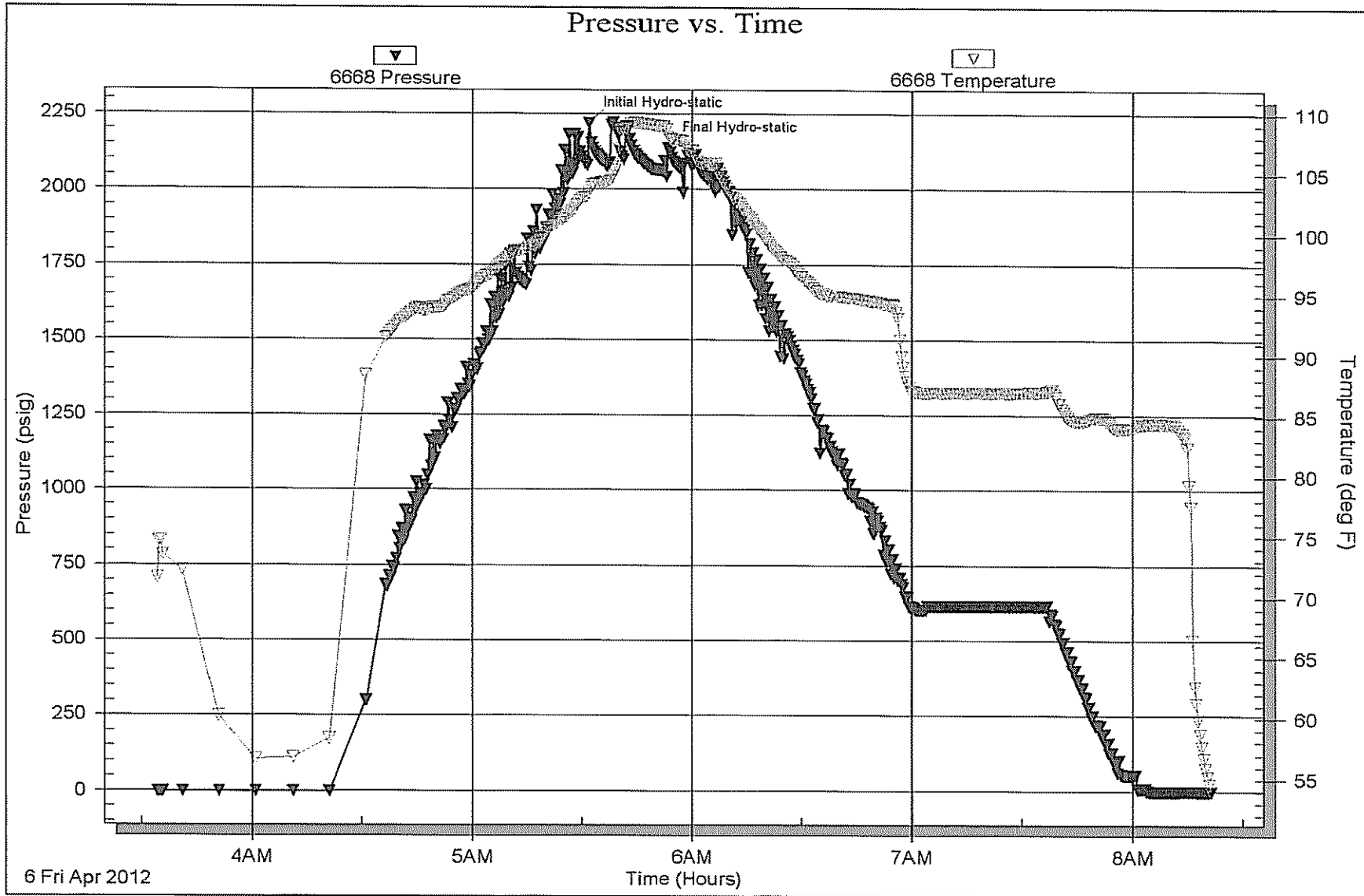
Length ft	Description	Volume bbl
120.00	mud 100% _m	1.683

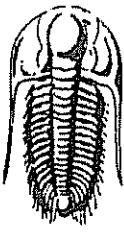
Total Length: 120.00 ft Total Volume: 1.683 bbl

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 Company

31-18s-34w Scott CO

301S. Market St.
Wichita KS
67202

Kruse-Novac 1-31

Job Ticket: 46489

DST#: 5

ATTN: Tim Lauer

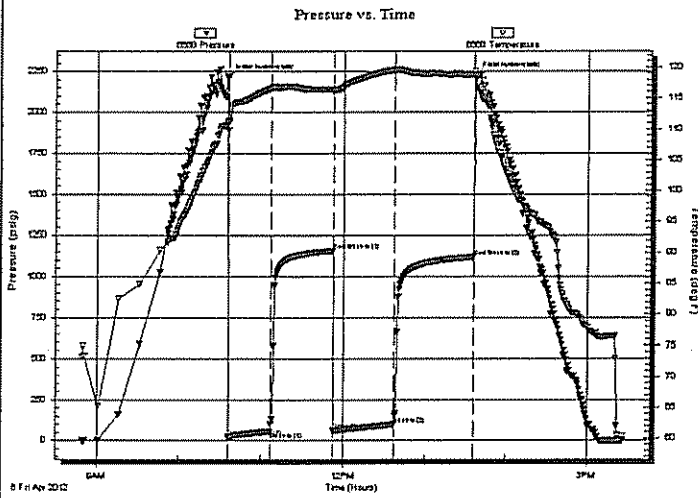
Test Start: 2012.04.06 @ 08:49:15

GENERAL INFORMATION:

Formation: "K"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:36:00
 Time Test Ended: 15:25:15
 Interval: 4367.00 ft (KB) To 4390.00 ft (KB) (TVD)
 Total Depth: 4390.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 48
 Reference Elevations: 3171.00 ft (KB)
 3161.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6668 Outside
 Press@RunDepth: 97.69 psig @ 4385.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.06 End Date: 2012.04.06 Last Calib.: 2012.04.06
 Start Time: 08:49:15 End Time: 15:25:15 Time On Blmt: 2012.04.06 @ 10:35:45
 Time Off Blmt: 2012.04.06 @ 13:36:30

TEST COMMENT: IF: Built to 7" blow
 IS: No return blow
 FF: Built to 6" blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2212.14	111.01	Initial Hydro-static
1	16.42	109.79	Open To Flow (1)
32	56.14	116.52	Shut-In(1)
77	1156.85	116.40	End Shut-In(1)
77	58.04	115.89	Open To Flow (2)
122	97.69	119.53	Shut-In(2)
180	1119.70	118.68	End Shut-In(2)
181	2224.79	119.26	Final Hydro-static

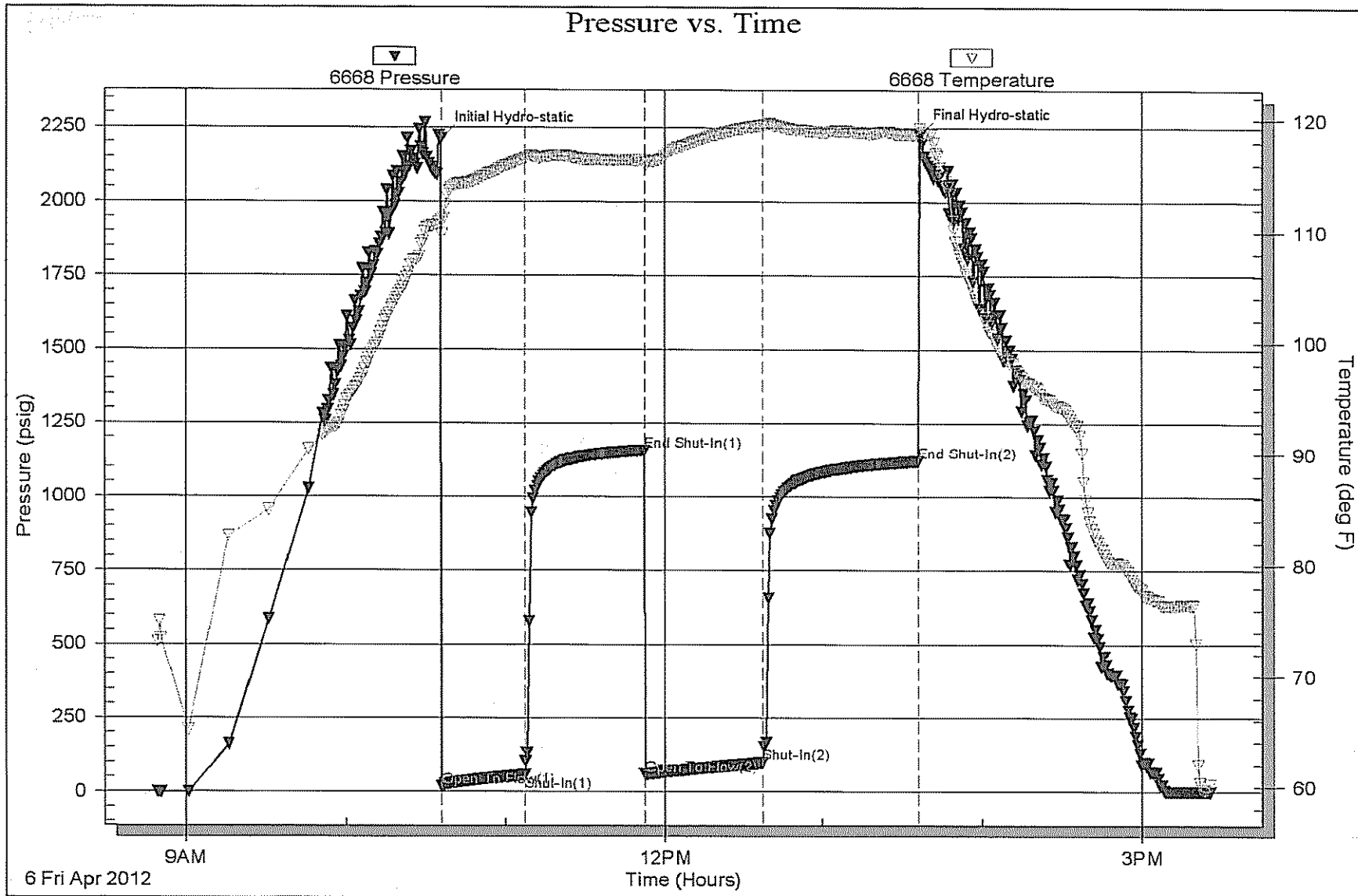
Recovery

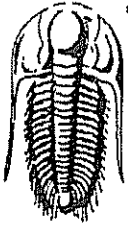
Length (ft)	Description	Volume (bbl)
60.00	mud 100%m	0.84
180.00	mcsw 10%m 90%sw	2.52

* 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 Company

31-18s-34w Scott CO

301S. Market St.
Wichita KS
67202
ATTN: Tim Lauer

Kruse-Novac 1-31
Job Ticket: 46489 DST#: 5
Test Start: 2012.04.06 @ 08:49:15

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 8.78 in³
Resistivity: 0.00 ohm.m
Salinity: 6000.00 ppm
Filler 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: 20000 ppm

Recovery Information

Recovery Table

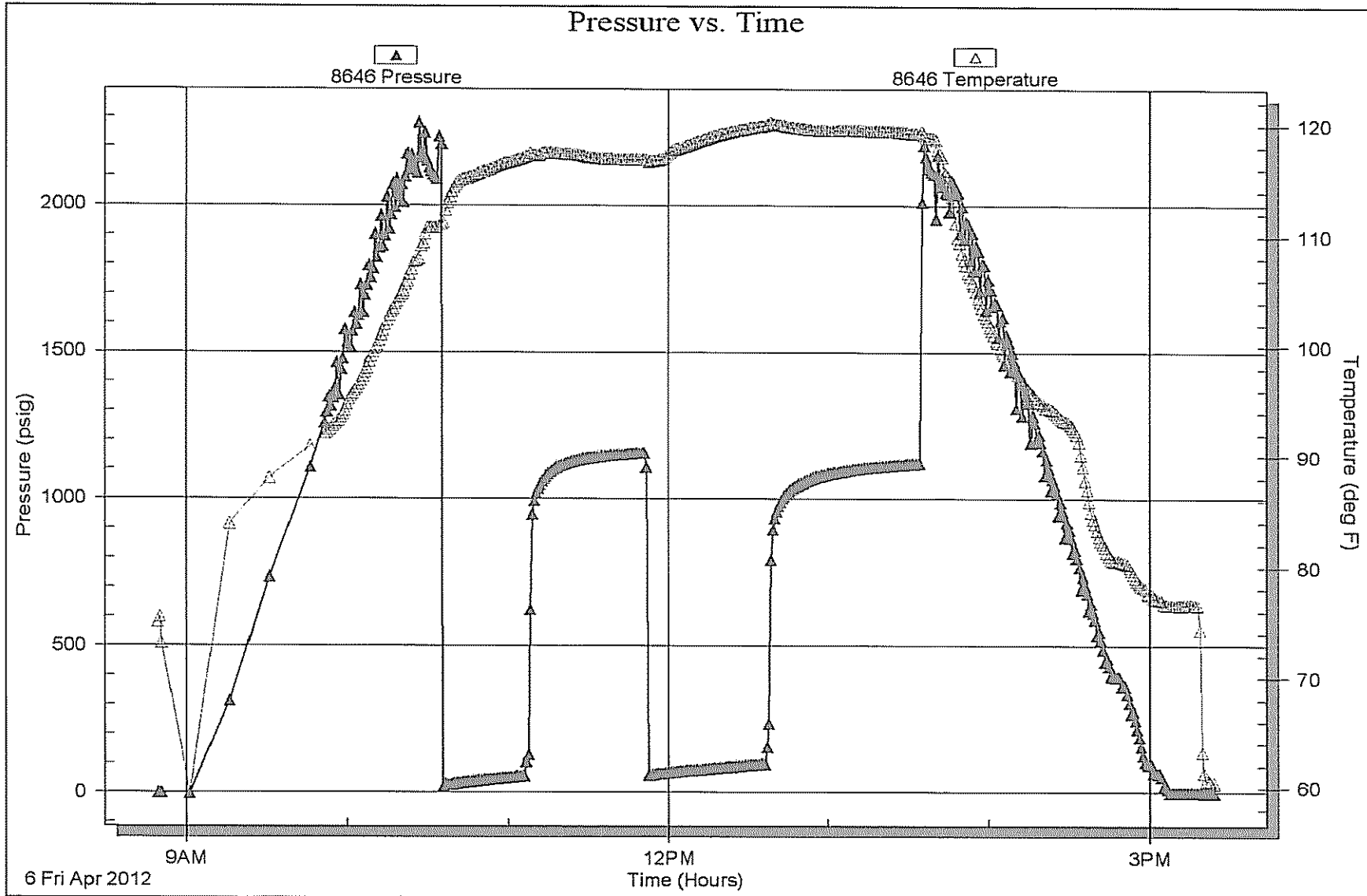
Length ft	Description	Volume bbl
60.00	mud 100%m	0.842
180.00	mcsw 10%m 90%sw	2.525

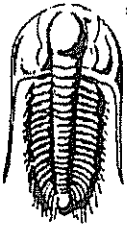
Total Length: 240.00 ft Total Volume: 3.367 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW=.419@59.7= 20,000 ppm





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

31-18s-34w Scott CO

301S. Market St.
Wichita KS
67202
ATTN: Tim Lauer

Kruse-Novac 1-31

Job Ticket: 46490

DST#: 6

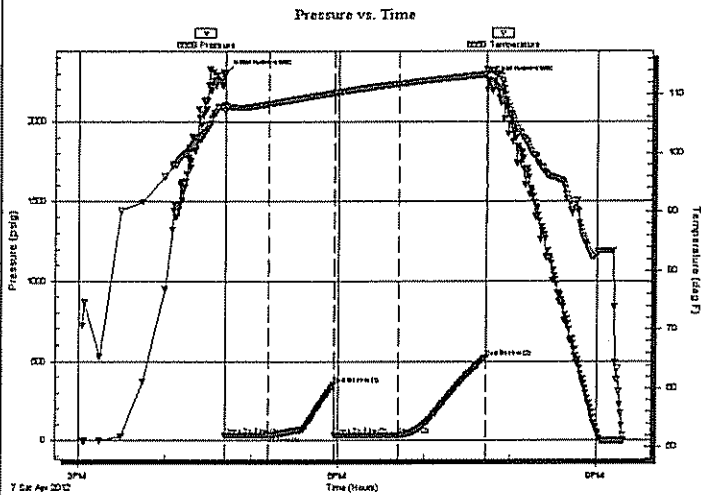
Test Start: 2012.04.07 @ 15:03:15

GENERAL INFORMATION:

Formation: **Marmaton "B"**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 16:42:15
 Time Test Ended: 21:19:00
 Interval: **4530.00 ft (KB) To 4583.00 ft (KB) (TVD)**
 Total Depth: **4583.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Mike Roberts**
 Unit No: **48**
 Reference Elevations: **3171.00 ft (KB)**
3161.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6668 Outside
 Press@RunDepth: **30.74 psig @ 4534.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.04.07** End Date: **2012.04.07** Last Calib.: **2012.04.07**
 Start Time: **15:03:00** End Time: **21:18:45** Time On Btm: **2012.04.07 @ 16:41:45**
 Time Off Btm: **2012.04.07 @ 19:44:00**

TEST COMMENT: IF: Built to weak surface blow died in 25 min
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2303.29	108.07	Initial Hydro-static
1	29.90	106.93	Open To Flow (1)
30	31.69	108.25	Shut-In(1)
76	353.68	110.15	End Shut-In(1)
76	31.92	110.18	Open To Flow (2)
121	30.74	111.69	Shut-In(2)
182	520.83	113.36	End Shut-In(2)
183	2260.01	113.90	Final Hydro-static

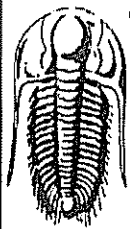
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

31-18s-34w Scott CO

301S. Market St.
Wichita KS
67202

Kruse-Novac 1-31

Job Ticket: 46490

DST#: 6

ATTN: Tim Lauer

Test Start: 2012.04.07 @ 15:03:15

GENERAL INFORMATION:

Formation: **Marmaton "B"**

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

Time Tool Opened: 16:42:15

Time Test Ended: 21:19:00

Test Type: **Conventional Bottom Hole (Reset)**

Tester: **Mike Roberts**

Unit No: **48**

Interval: **4530.00 ft (KB) To 4583.00 ft (KB) (TVD)**

Reference Elevations: **3171.00 ft (KB)**

Total Depth: **4583.00 ft (KB) (TVD)**

3161.00 ft (CF)

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

KB to GR/CF: **10.00 ft**

Serial #: 8646

Inside

Press@RunDepth: **psig @ 4534.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2012.04.07**

End Date:

2012.04.07

Last Calib.:

2012.04.07

Start Time: **15:03:15**

End Time:

21:18:00

Time On Btm:

Time Off Btm:

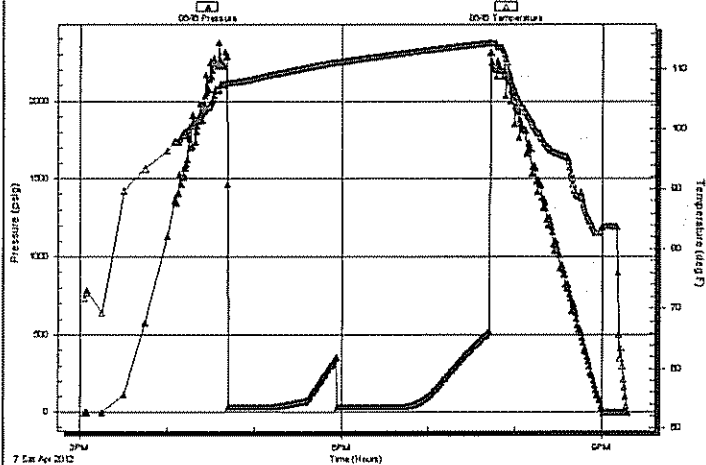
TEST COMMENT: IF: Built to weak surface blow died in 25 min

IS: No return blow

FF: No blow

FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

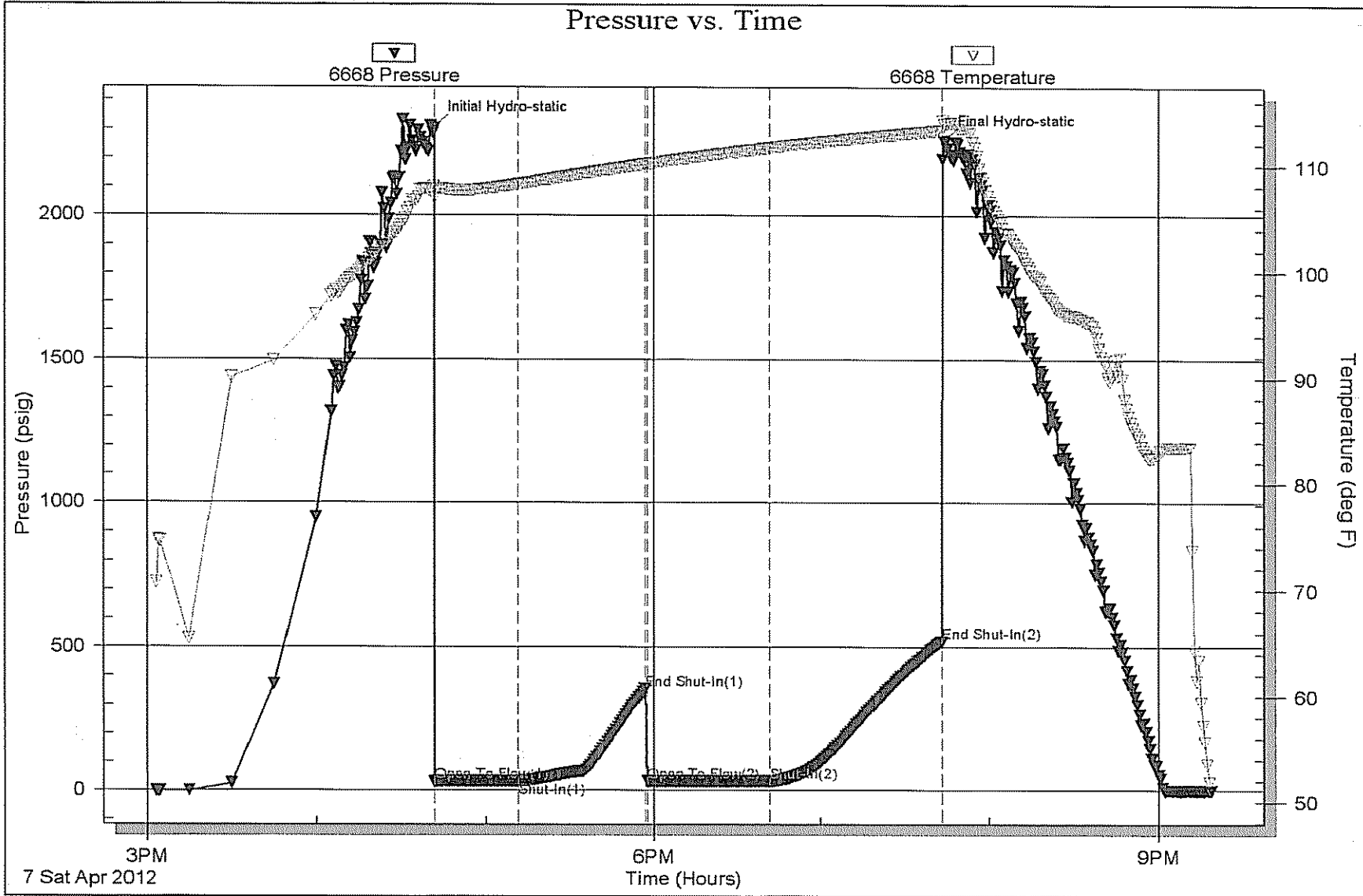
Recovery

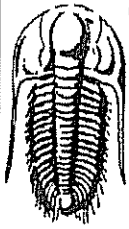
Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.07

* 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 Company

31-18s-34w Scott CO

301S. Market St.
Wichita KS
67202

Kruse-Novac 1-31

Job Ticket: 46490

DST#: 6

ATTN: Tim Lauer

Test Start: 2012.04.07 @ 15:03:15

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: 57.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	mud 100% m	0.070

Total Length:

5.00 ft

Total Volume:

0.070 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

