



WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Nuss 1-24
Doc ID	1050183

All Electric Logs Run

DIL
CDL/CNL/PE
SONIC
MEL

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Nuss 1-24
Doc ID	1050183

Tops

Name	Top	Datum
Heebner	3776	-995
Lansing	3810	-1029
Hushpuckney	4090	-1309
Base KC	4135	-1354
Marmaton	4194	-1413
Pawnee	4260	-1479
Ft. Scott	4292	-1511
Morrow	4413	-1632
Basal Penn	4436	-1655
Mississippian	4585	-1804



PAGE 1 of 1	CUST NO 1002301	INVOICE DATE 02/09/2011
INVOICE NUMBER 1717 - 90519300		

**Liberal** (620) 624-2277  
 B LARIO OIL & GAS  
 I PO Box: 1093  
 L GARDEN CITY  
 L KS US 67846  
 T  
 O ATTN:

J LEASE NAME Nuss #1-24  
 O LOCATION  
 B COUNTY Logan  
 S STATE KS  
 I JOB DESCRIPTION Cement-Squeeze Repairs  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40282535	19828		Net - 30 days	

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 02/07/2011 to 02/07/2011</i>				
0040282535				
171700054A Cement-Squeeze Repairs 02/07/2011 NC for job - on bottom stage plug didn't leave plug container and we had 200 ft wet shoe				
Premium Cement	100.00	EA		
C-15	57.00	EA		
Mud Flush II	500.00	EA		
Heavy Equipment Mileage	200.00	MI		
Blending & Mixing Service Charge	200.00	MI		
Proppant and Bulk Delivery Charge	940.00	MI		
Depth Charge; 4001' - 5000'	1.00	EA		
Service Supervisor	1.00	HR		
Pickup Mileage	100.00	MI		

*XC*

Acct	Expl	File	OK TO PAY		
GC					
KG					
HY					DB
PV					MM
OD	KF	GV	SF		DM

*[Signature]*

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	0.00
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	0.00
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	0.00
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



**BASIC**  
ENERGY SERVICES  
Liberal, Kansas

### Cement Report

Customer <u>Land Util Co.</u>		Lease No.		Date <u>2/17/11</u>	
Lease <u>NW 43</u>		Well # <u>1-24</u>		Service Receipt	
Casing		Depth		County <u>Logan</u> State <u>KS</u>	
Job Type <u>591007L</u>		Formation		Legal Description <u>24-14-32</u>	
Pipe Data			Perforating Data		
Casing size <u>5 1/2</u>	Tubing Size <u>2 7/8</u>	Shots/Ft		Lead <u>100% H</u>	
Depth <u>4593</u>	Depth <u>4586</u>	From <u>4488</u>	To <u>4489</u>	.6% C-15 @ 15.6"	
Volume	Volume <u>26.5</u>	From <u>4592</u>	To <u>4593</u>	1.15 cu ft / sk	
Max Press	Max Press	From	To	5.22 cu ft / sk	
Well Connection <u>3090</u>	Annulus Vol.	From	To	Tail in	
Plug Depth	Packer Depth	From	To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:30					arr loc, spot trucks, set up
12:11		450			Port test
12:13		400 <sup>psi</sup>		2	Run 5 bbl fresh
12:15		400 <sup>psi</sup>		2	Run 12 bbl mud / H <sub>2</sub> O
12:21		400 <sup>psi</sup>		3	Run 5 bbl fresh
12:23		400 <sup>psi</sup>	2	1.3	Start mixing 4" .6% C-15 @ 15.6"
12:39		700 <sup>psi</sup>	31	-	Finish mixing
12:42					wash in P/L
12:47		0	0	2-3	Start Disp
12:56		1500 <sup>psi</sup>	26	-	Shut down, string out
					Roll 4 studs
13:19		3000 <sup>psi</sup>	0	2	Restart
13:25					shut down, TOOH
					Jobs complete
					Thank you
					Good 4 crew
Service Units	<u>19555</u>	<u>19559</u>	<u>19562</u>	<u>19565</u>	
Driver Names	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>	

Customer Representative: \_\_\_\_\_ Station Manager: \_\_\_\_\_ Cementer: \_\_\_\_\_ Taylor Printing, Inc.



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.  
P.O. Box 129  
Liberal, Kansas 67905  
Phone 620-624-2277

FIELD SERVICE TICKET  
1717 00054 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: 2/7/11	DISTRICT: 1717	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:		
CUSTOMER: Lario Oil + Gas		LEASE: NUSS		1-74/ WELL NO.					
ADDRESS: Box 1093		COUNTY: Logan		STATE: KS					
CITY: Garden City		STATE: KS		SERVICE CREW: Royce, Santiago					
AUTHORIZED BY: Tuce Davis JRB		JOB TYPE: Soreto Recount 247							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
19458	4								10:00
19459	4								10:00
194612	4								12:11
194528	4								1:45
194553	4								2:30
						MILES FROM STATION TO WELL	100		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: [Signature]  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
CL100	Premium Cement	SK	100		1600.00	
CL103	C-15	lb	54		712.50	
CL152	Mid-Clush	gal	500		750.00	
E101	Heavy Equip Mfg	MH	200		1400.00	
F740	Blowdown & Mining Charge	SK	200		280.00	
F113	Bulk Delivered Charge	Am	940		1504.00	
F705	Death Charge 400/405000	lbr	1		2520.00	
E100	Pickup Mfg	MH	100		425.00	
JRB	Service Supervisor	EA	1		175.00	
					SUB TOTAL	0.00

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: <u>[Signature]</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u>
--	--

FIELD SERVICE ORDER NO. \_\_\_\_\_

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



PO BOX 31 Russell, KS 67665

# INVOICE

Invoice Number: 125904

Invoice Date: Jan 15, 2011

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

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

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	Nuss#1-24	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jan 15, 2011	2/14/11

Quantity	Item	Description	Unit Price	Amount
160.00	MAT	Class A Common	15.45	2,472.00
3.00	MAT	Gel	20.80	62.40
6.00	MAT	Chloride	58.20	349.20
169.00	SER	Handling	2.40	405.60
20.00	SER	Mileage 169 sx @ .10 per sk per mi	16.90	338.00
1.00	SER	Surface	1,018.00	1,018.00
20.00	SER	Pump truck Mileage	7.00	140.00
1.00	EQP	8.5/8 Plug	68.00	68.00

*Drilling  
AFE-11-012*

*XC* OK TO PAY

Acct	Expl	File			
GC					
KG					DB
HY					MM
PV					
OD					

*XC*

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

\$ 970.64

ONLY IF PAID ON OR BEFORE

Feb 9, 2011

Subtotal	4,853.20
Sales Tax	215.47
Total Invoice Amount	5,068.67
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,068.67</b>



# ALLIED CEMENTING CO., LLC. 040813

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
OKLAHOMA

DATE <u>1-15-11</u>	SEC. <u>24</u>	TWP. <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>9:00am</u>	JOB START <u>11:30pm</u>	JOB FINISH <u>12:00 pm</u>
LEASE <u>Nuss</u>	WELL# <u>1-24</u>		LOCATION <u>OKLA 205. 265. N</u>			COUNTY <u>LOGAN</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR M. S. #21

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D. 217'

CASING SIZE 8 5/8 DEPTH 217'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 12.8

OWNER

CEMENT

AMOUNT ORDERED 160 SKS com  
300cc 200cc

COMMON	<u>160</u>	@ <u>15<sup>45</sup></u>	<u>2472<sup>00</sup></u>
POZMIX		@	
GEL	<u>3</u>	@ <u>20<sup>80</sup></u>	<u>62<sup>40</sup></u>
CHLORIDE	<u>6</u>	@ <u>58<sup>20</sup></u>	<u>349<sup>20</sup></u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>169</u>	@ <u>2<sup>40</sup></u>	<u>405<sup>60</sup></u>
MILEAGE			<u>338<sup>00</sup></u>
			<b>TOTAL</b> <u>3627<sup>20</sup></u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Fuzz4

# 431 HELPER Darren

BULK TRUCK

# 394 DRIVER Jerry

BULK TRUCK

# DRIVER

**REMARKS:**

cement did circulate  
in cells

Job complete @  
12:00 midnight

Thanks Fuzz4 & crew

**SERVICE**

DEPTH OF JOB 217'

PUMP TRUCK CHARGE 1018<sup>00</sup>

EXTRA FOOTAGE @

MILEAGE 20 @ 7<sup>00</sup> 140<sup>00</sup>

MANIFOLD @

@

@

**TOTAL** 1158<sup>00</sup>

CHARGE TO: LANCO OIL & GAS

STREET

CITY STATE ZIP

**PLUG & FLOAT EQUIPMENT**

1-8 5/8 plug @ 68<sup>00</sup>

@

@

@

@

**TOTAL** 68<sup>00</sup>

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

PRINTED NAME Juan Tinoco

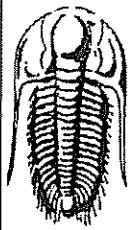
SIGNATURE Juan Tinoco

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

Bid



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Lario Oil & Gas

Nuss 1-24

310 Market St  
Wichita Ks  
67202  
ATTN: Brad Rine

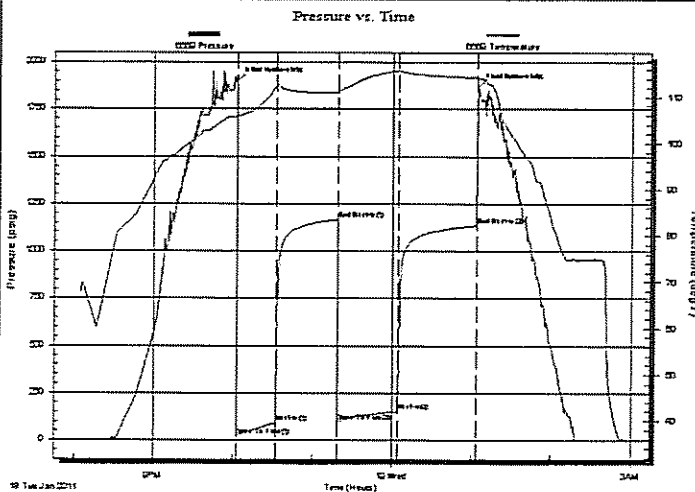
24-14-32 Logan Co KS  
Job Ticket: 040617      DST#: 1  
Test Start: 2011.01.18 @ 20:05:15

### GENERAL INFORMATION:

Formation: **Lansing B**  
 Deviated: **No Whipstock**      ft (KB)  
 Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: **22:03:00**  
 Tester: **Mike Roberts**  
 Time Test Ended: **02:54:30**  
 Unit No: **48**  
 Interval: **3830.00 ft (KB) To 3860.00 ft (KB) (TVD)**  
 Reference Elevations: **2791.00 ft (KB)**  
 Total Depth: **3860.00 ft (KB) (TVD)**  
**2781.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 KB to GR/CF: **10.00 ft**

Serial #: **6669**      **Outside**  
 Press@RunDepth: **151.31 psig @ 3855.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2011.01.18**      End Date: **2011.01.19**      Last Calib.: **2011.01.19**  
 Start Time: **20:05:15**      End Time: **02:54:30**      Time On Btm: **2011.01.18 @ 22:02:45**  
 Time Off Btm: **2011.01.19 @ 01:04:15**

TEST COMMENT: IF: Built to 7" blow  
 IS: No return blow  
 FF: Built to 6 1/2" blow  
 FS: No return blow



### PRESSURE SUMMARY

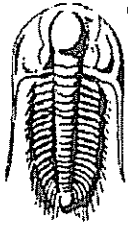
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1897.51	105.71	Initial Hydro-static
1	20.20	105.42	Open To Flow (1)
30	92.64	112.43	Shut-In(1)
76	1167.18	110.95	End Shut-In(1)
77	97.72	110.74	Open To Flow (2)
122	151.31	115.69	Shut-In(2)
181	1136.67	114.32	End Shut-In(2)
182	1869.50	113.77	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcw 70% m 30% w	0.30
241.00	sw 5% m 95 w	1.75

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Nuss 1-24**

310 Market St  
Wichita Ks  
67202

**24-14-32 Logan Co KS**

Job Ticket: 040617

DST#: 1

ATTN: Brad Rine

Test Start: 2011.01.18 @ 20:05:15

## 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:	4000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mcw 70%m 30%w	0.305
241.00	sw 5%m 95 w	1.750

Total Length: 303.00 ft      Total Volume: 2.055 bbl

Num Fluid Samples: 0

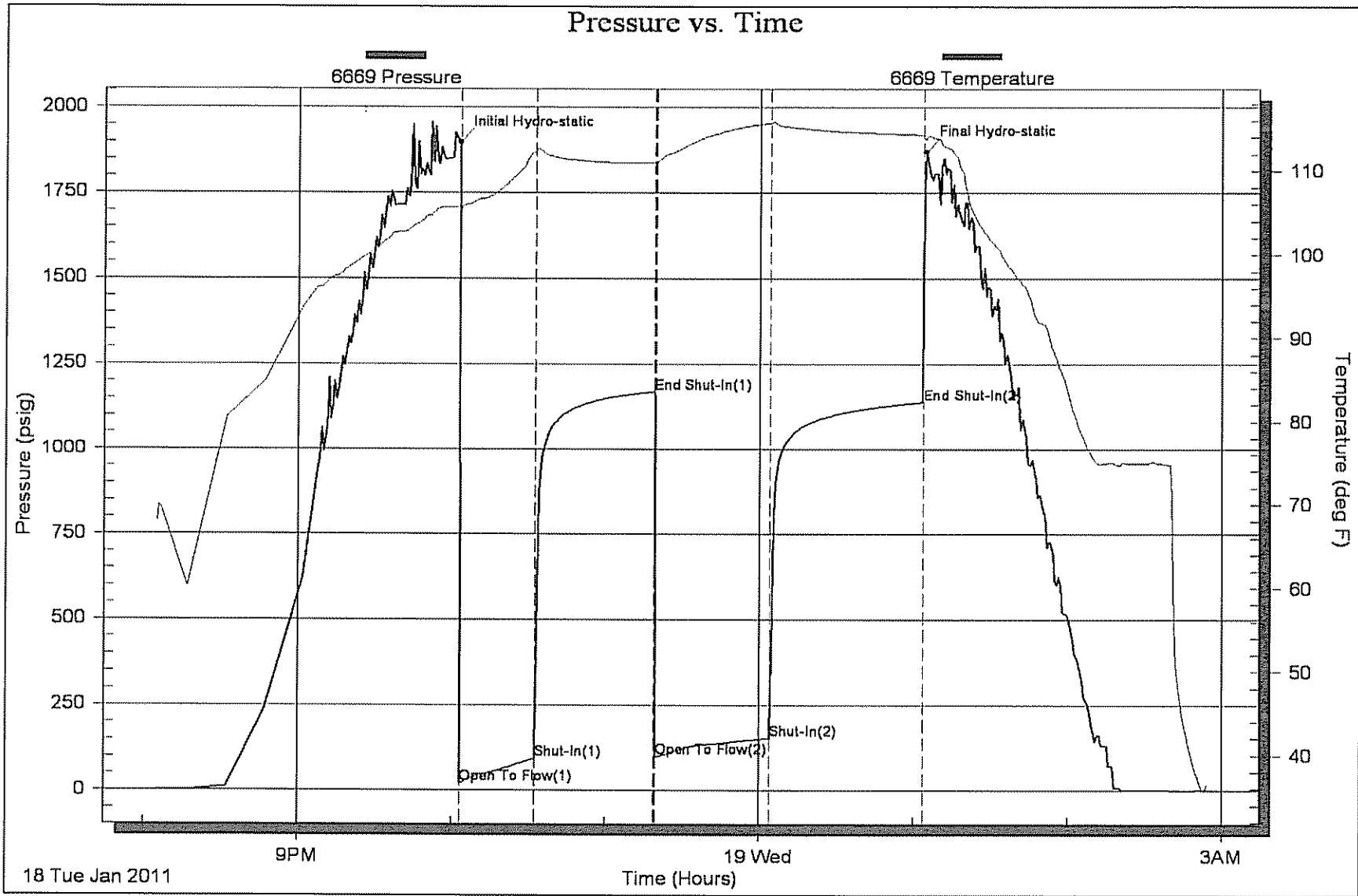
Num Gas Bombs: 0

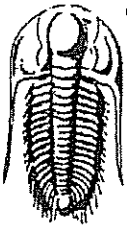
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= 2.84@40\*=4,000 ppm





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas

Nuss 1-24

310 Market St  
Wichita Ks  
67202  
ATTN: Brad Rine

24-14-32 Logan Co KS  
Job Ticket: 040618      DST#: 2  
Test Start: 2011.01.19 @ 18:55:15

### GENERAL INFORMATION:

Formation: LKC H  
Deviated: No Whipstock      ft (KB)  
Time Tool Opened: 20:42:15  
Time Test Ended: 01:08:00

Test Type: Conventional Bottom Hole  
Tester: Mike Roberts  
Unit No: 48

Interval: 3962.00 ft (KB) To 4006.00 ft (KB) (TVD)  
Total Depth: 4006.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2791.00 ft (KB)  
2781.00 ft (CF)  
KB to GR/CF: 10.00 ft

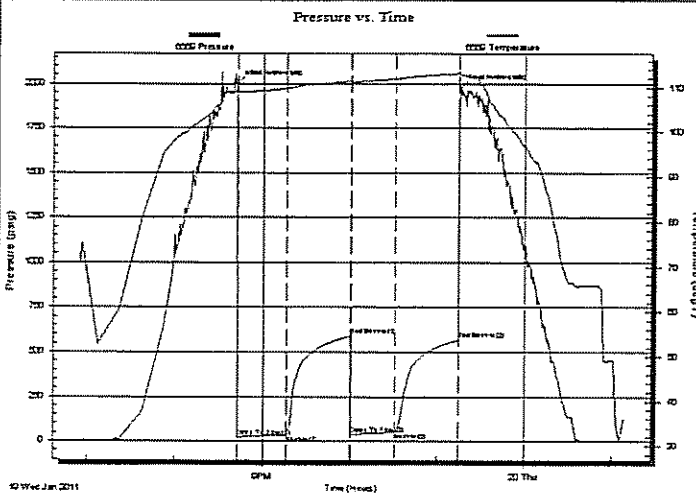
Serial #: 6669

Outside

Press@RunDepth: 48.57 psig @ 4001.00 ft (KB)  
Start Date: 2011.01.19      End Date: 2011.01.20  
Start Time: 18:55:15      End Time: 01:08:00

Capacity: 8000.00 psig  
Last Calib.: 2011.01.20  
Time On Btrr: 2011.01.19 @ 20:42:00  
Time Off Btrr: 2011.01.19 @ 23:15:45

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



### PRESSURE SUMMARY

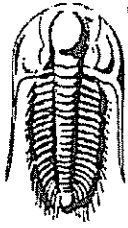
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1995.72	109.63	Initial Hydro-static
1	22.29	109.27	Open To Flow (1)
35	35.02	109.81	Shut-In(1)
79	588.81	111.43	End Shut-In(1)
79	37.02	111.26	Open To Flow (2)
109	48.57	111.89	Shut-In(2)
153	567.53	113.09	End Shut-In(2)
154	1977.19	112.86	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	m 100% mud with oil spots	0.02
0.00	GIP= 62 feet	0.00

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Nuss 1-24**

310 Market St  
Wichita Ks  
67202

**24-14-32 Logan Co KS**

ATTN: Brad Rine

Job Ticket: 040618

DST#: 2

Test Start: 2011.01.19 @ 18:55:15

### 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:	52.00 sec/qt	Cushion Volume:	bbf		
Water Loss:	7.98 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	1.00 inches				

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	m 100% mud w ith oil spots	0.025
0.00	GIP= 62 feet	0.000

Total Length: 5.00 ft      Total Volume: 0.025 bbf

Num Fluid Samples: 0

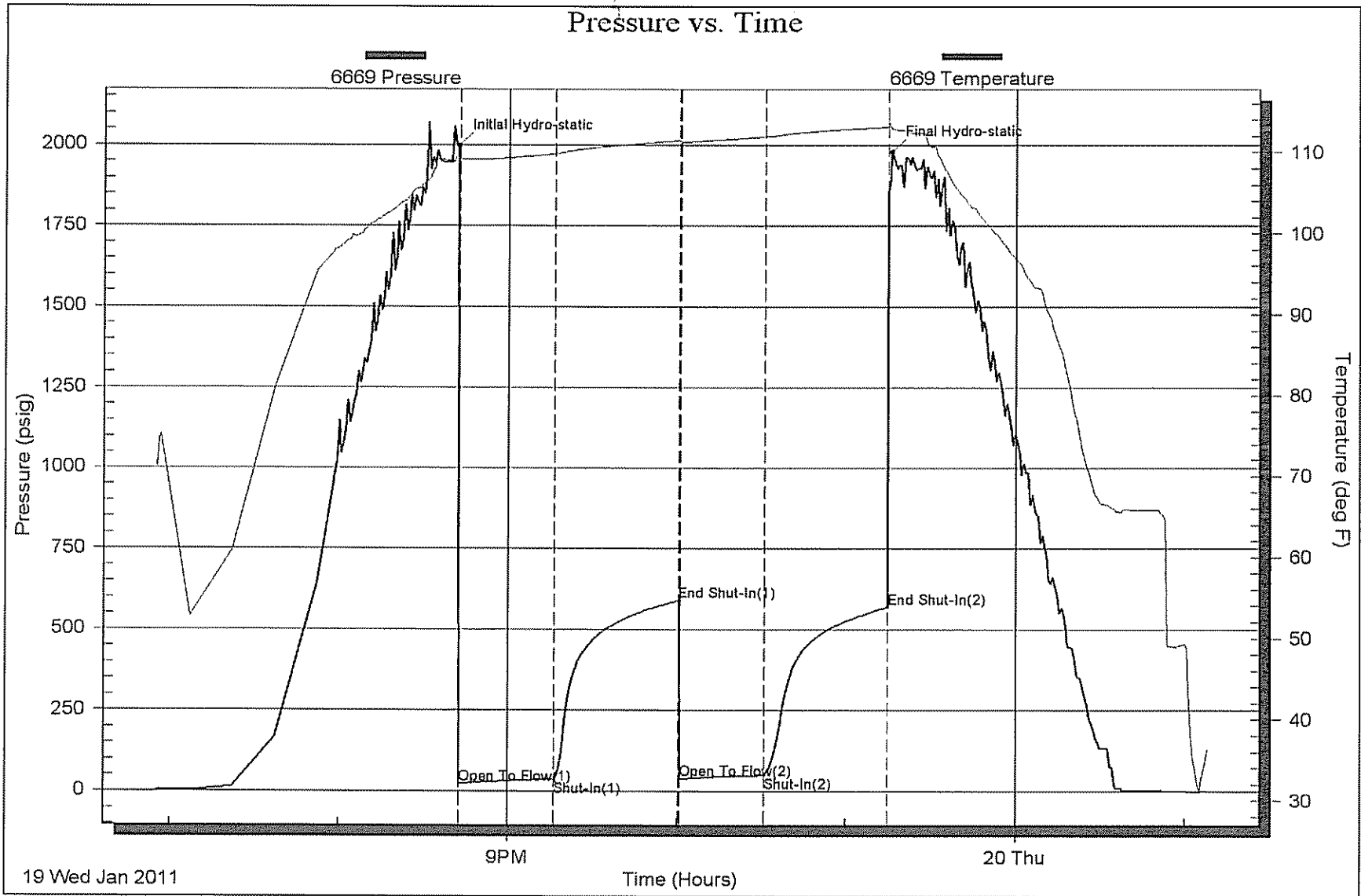
Num Gas Bombs: 0

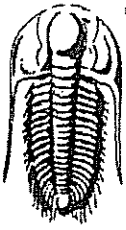
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Lario Oil & Gas

310 Market St  
Wichita Ks  
67202  
ATTN: Brad Rine

Nuss 1-24

24-14-32 Logan Co KS

Job Ticket: 040619      DST#: 3

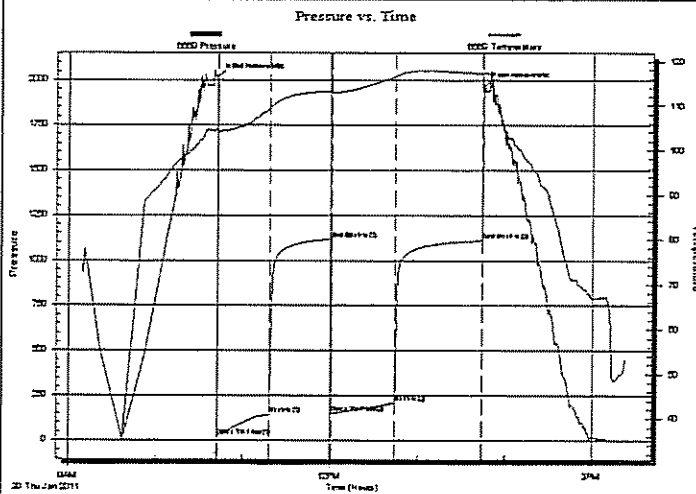
Test Start: 2011.01.20 @ 09:10:15

### GENERAL INFORMATION:

Formation: LKC "I"  
Deviated: No Whipstock      ft (KB)  
Time Tool Opened: 10:42:45  
Time Test Ended: 15:22:30  
Interval: 3998.00 ft (KB) To 4030.00 ft (KB) (TVD)  
Total Depth: 4030.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Mike Roberts  
Unit No: 48  
Reference Elevations: 2791.00 ft (KB)  
2781.00 ft (CF)  
KB to GR/CF: 10.00 ft

Serial #: 6669      Outside  
Press@RunDepth: 207.24 psig @ 4025.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.01.20      End Date: 2011.01.20      Last Calib.: 2011.01.20  
Start Time: 09:10:15      End Time: 15:22:30      Time On Blm: 2011.01.20 @ 10:42:30  
Time Off Blm: 2011.01.20 @ 13:45:15

TEST COMMENT: IF:BOB in 24 min.  
IS:Weak surface blow  
FF:BOB in 44 min  
FS:Weak surface blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2016.86	104.63	Initial Hydro-static
1	23.13	104.22	Open To Flow (1)
36	143.58	109.39	Shut-In(1)
78	1116.37	113.18	End Shut-In(1)
79	148.56	112.88	Open To Flow (2)
122	207.24	116.46	Shut-In(2)
182	1109.17	117.20	End Shut-In(2)
183	1968.76	117.34	Final Hydro-static

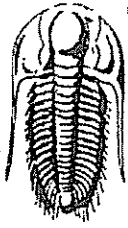
### Recovery

Length (ft)	Description	Volume (bbl)
5.00	free oil	0.02
57.00	m w ith oil on top	0.28
365.00	mcw 5% m 95% w	3.49

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Nuss 1-24**

310 Market St  
Wichita Ks  
67202

**24-14-32 Logan Co KS**

ATTN: Brad Rine

Job Ticket: 040619

DST#: 3

Test Start: 2011.01.20 @ 09:10:15

### 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: 11000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.95 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	free oil	0.025
57.00	m with oil on top	0.280
365.00	mcw 5% <sub>m</sub> 95% <sub>w</sub>	3.489

Total Length: 427.00 ft      Total Volume: 3.794 bbl

Num Fluid Samples: 0

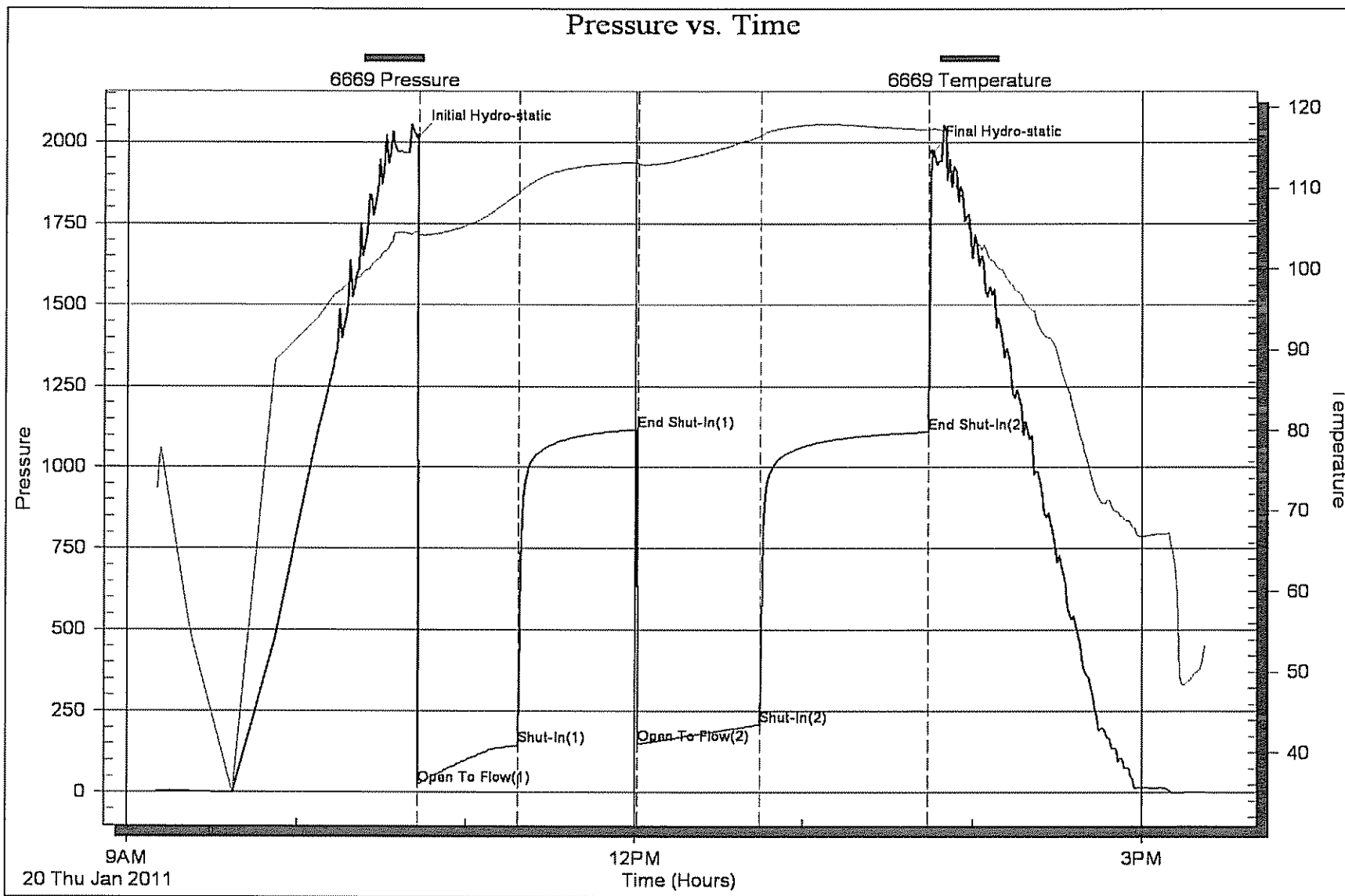
Num Gas Bombs: 0

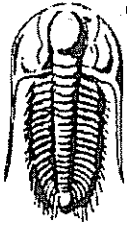
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= 52.6@.345=11,000ppm





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas

Nuss 1-24

310 Market St  
Wichita Ks  
67202

24-14-32 Logan Co KS

Job Ticket: 040620

DST#: 4

ATTN: Brad Rine

Test Start: 2011.01.20 @ 23:19:15

## GENERAL INFORMATION:

Formation: **LKC J**

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

Time Tool Opened: 00:49:00

Time Test Ended: 06:11:15

Test Type: **Conventional Bottom Hole**

Tester: **Mike Roberts**

Unit No: **48**

Interval: **4030.00 ft (KB) To 4060.00 ft (KB) (TVD)**

Reference Elevations: **2791.00 ft (KB)**

Total Depth: **4030.00 ft (KB) (TVD)**

**2781.00 ft (CF)**

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

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

Serial #: **6669** Outside

Press@RunDepth: **323.04 psig @ 4055.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.01.20**

End Date: **2011.01.21**

Last Calib.: **2011.01.21**

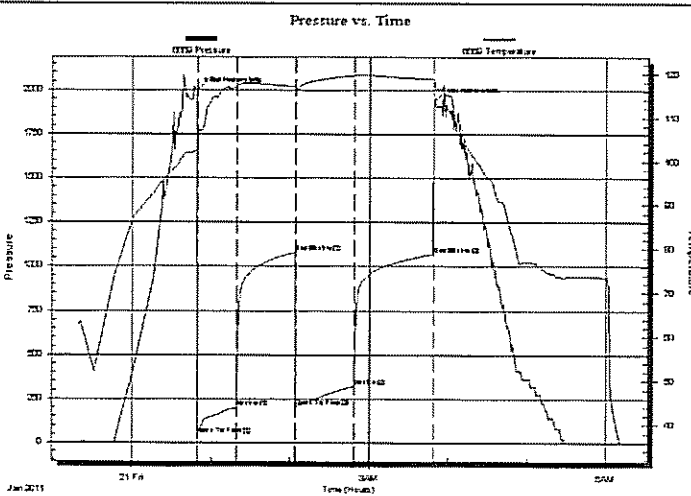
Start Time: **23:19:15**

End Time: **06:11:15**

Time On Birm: **2011.01.21 @ 00:48:45**

Time Off Birm: **2011.01.21 @ 03:50:00**

TEST COMMENT: IF:BOB in 7 min  
IS:Return blow built to 1"  
FF:Built to 4" blow  
FS:Weak surface blow



## PRESSURE SUMMARY

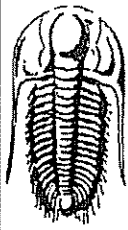
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1994.10	102.54	Initial Hydro-static
1	45.35	102.15	Open To Flow (1)
31	199.36	117.06	Shut-In(1)
75	1079.67	117.02	End Shut-In(1)
76	204.30	115.78	Open To Flow (2)
120	323.04	119.52	Shut-In(2)
180	1069.43	118.72	End Shut-In(2)
182	1941.19	117.51	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
372.00	oil 100%	3.02
124.00	w cmog 5%w 30%m 30%o 35%g	1.74
62.00	gcow m 10%g 20%o 30%w 40%m	0.87
241.00	mcow 5%m 5%o 90 %w	3.38

## Gas Rates

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



**TRIBOLITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas

Nuss 1-24

310 Market St  
Wichita Ks  
67202

24-14-32 Logan Co KS

ATTN: Brad Rine

Job Ticket: 040620

DST#: 4

Test Start: 2011.01.20 @ 23:19:15

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 11000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.59 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3200.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

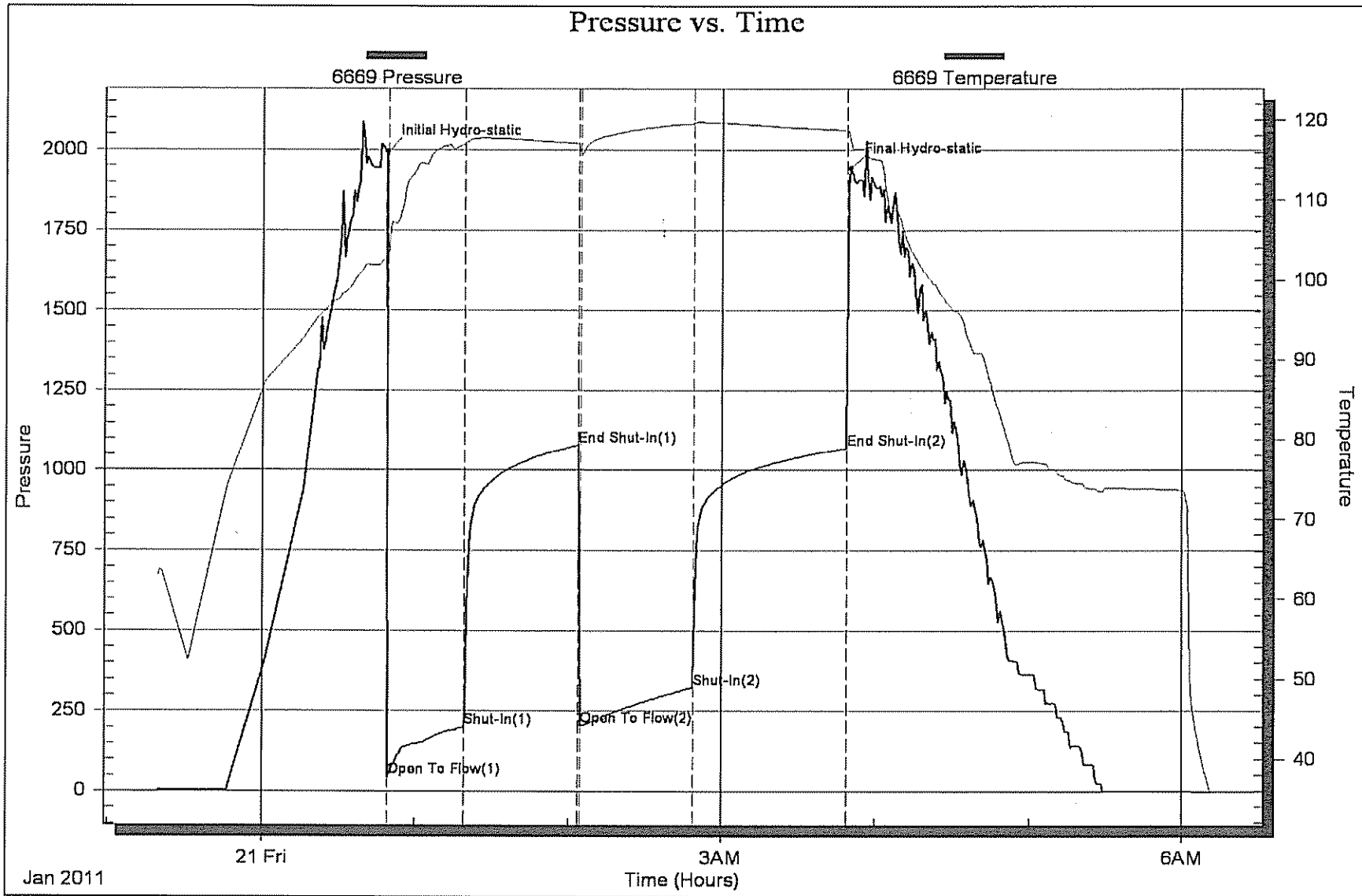
Length ft	Description	Volume bbl
372.00	oil 100%	3.023
124.00	w cmog 5%w 30%m 30%o 35%g	1.739
62.00	gcow m 10%g 20%o 30%w 40%m	0.870
241.00	mcow 5%m 5%o 90 %w	3.381

Total Length: 799.00 ft      Total Volume: 9.013 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: API 31@40\* corrected to 33@60\*  
RW=51\* @.381=11000 ppm





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Lario Oil & Gas  
310 Market St  
Wichita Ks  
67202  
ATTN: Brad Rine

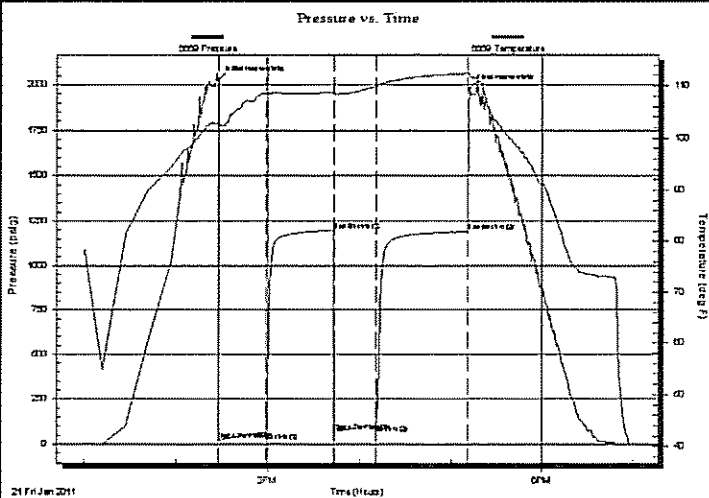
**Nuss 1-24**  
**24-14-32 Logan Co KS**  
Job Ticket: 040621      **DST#: 5**  
Test Start: 2011.01.21 @ 13:00:15

### GENERAL INFORMATION:

Formation: **LKC "K"**  
 Deviated: No      Whipstock:      ft (KB)  
 Test Type: Conventional Bottom Hole  
 Time Tool Opened: 14:28:15      Tester: Mike Roberts  
 Time Test Ended: 18:58:15      Unit No: 48  
 Interval: **4055.00 ft (KB) To 4090.00 ft (KB) (TVD)**      Reference Elevations: 2791.00 ft (KB)  
 Total Depth: 4090.00 ft (KB) (TVD)      2781.00 ft (CF)  
 Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GRVCF: 10.00 ft

**Serial #: 6669      Outside**  
 Press@RunDepth: 106.13 psig @ 4085.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2011.01.21      End Date: 2011.01.21      Last Calib.: 2011.01.21  
 Start Time: 13:00:15      End Time: 18:58:15      Time On Btm: 2011.01.21 @ 14:27:45  
 Time Off Btm: 2011.01.21 @ 17:12:00

TEST COMMENT: IF: Built to 2 1/2" blow  
 IS: No return blow  
 FF: No blow  
 FS: No return blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2027.10	102.99	Initial Hydro-static
1	22.38	102.61	Open To Flow (1)
31	65.57	108.32	Shut-In(1)
76	1197.13	108.72	End Shut-In(1)
76	71.44	108.47	Open To Flow (2)
104	106.13	109.87	Shut-In(2)
164	1190.31	112.38	End Shut-In(2)
165	1977.81	112.04	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	free oil	0.02
241.00	mud with oil spots	1.23

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Nuss 1-24**

310 Market St  
Wichita Ks  
67202

**24-14-32 Logan Co KS**

Job Ticket: 040621      **DST#: 5**

ATTN: Brad Rine

Test Start: 2011.01.21 @ 13:00:15

### 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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3200.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

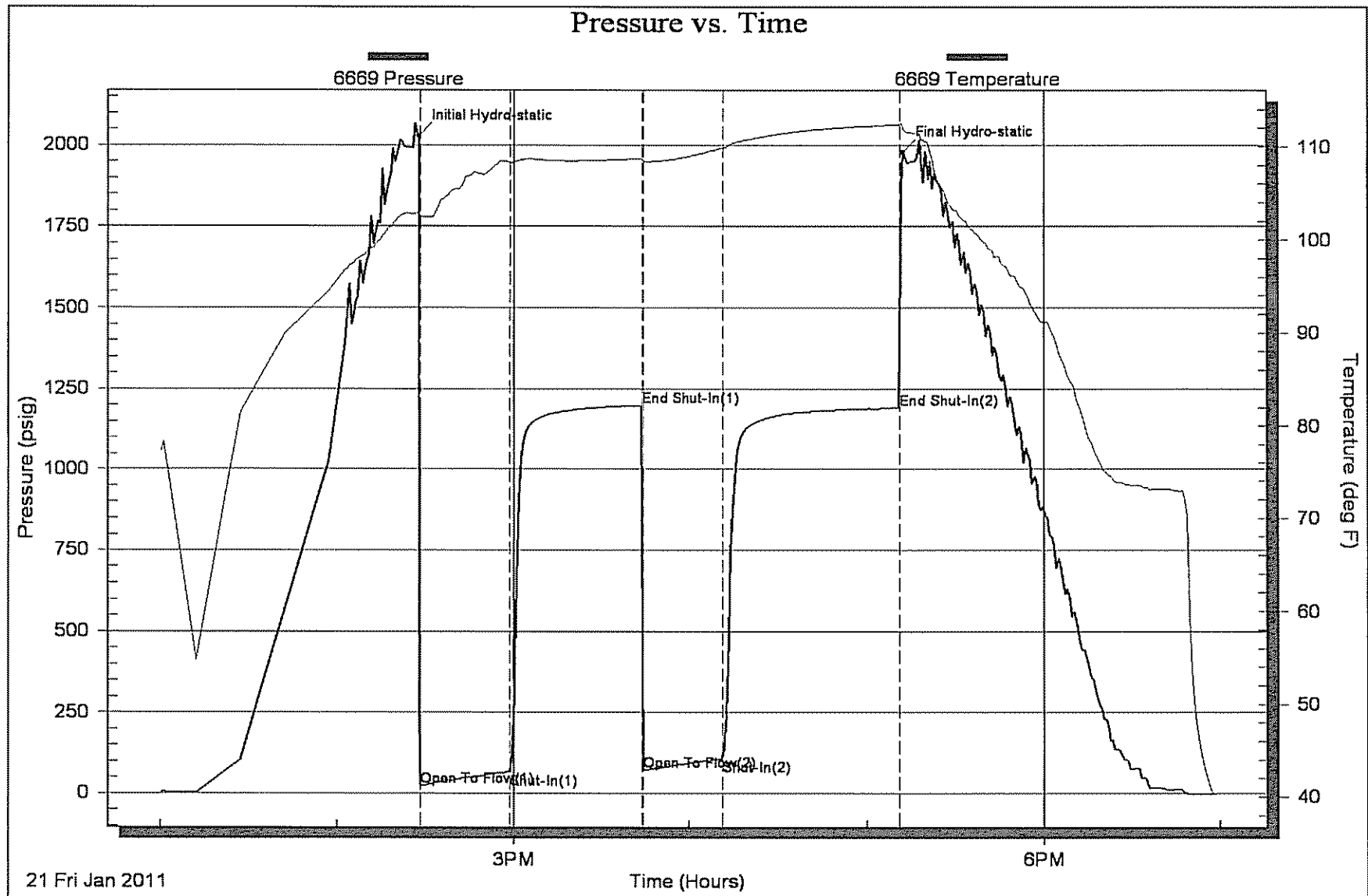
Length ft	Description	Volume bbl
5.00	free oil	0.025
241.00	mud w ith oil spots	1.231

Total Length: 246.00 ft      Total Volume: 1.256 bbl

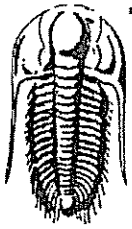
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:







**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Lario Oil & Gas

310 Market St  
Wichita Ks  
67202  
ATTN: Brad Rine

**Nuss 1-24**

**24-14-32 Logan Co KS**

Job Ticket: 040622      DST#: 6  
Test Start: 2011.01.22 @ 21:37:15

**GENERAL INFORMATION:**

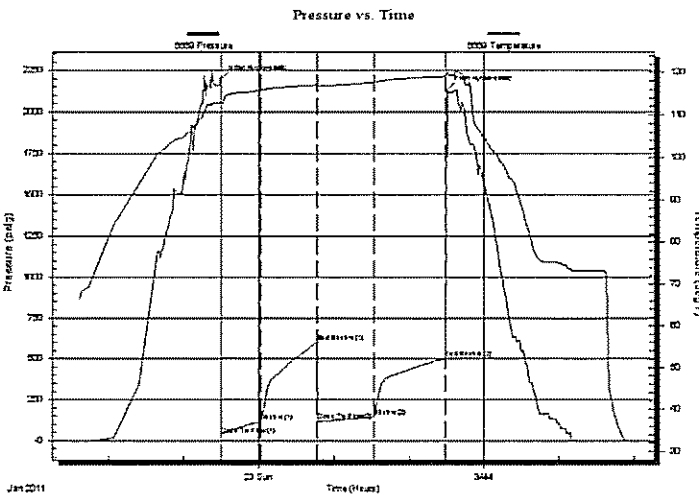
Formation: **Johnson**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:30:00  
 Time Test Ended: 04:54:15  
 Interval: **4357.00 ft (KB) To 4410.00 ft (KB) (TVD)**  
 Total Depth: 4410.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Mike Roberts  
 Unit No: 48  
 Reference Elevations: 2791.00 ft (KB)  
 2781.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 6669**

**Outside**

Press@RunDepth: 145.53 psig @ 4405.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2011.01.22      End Date: 2011.01.23      Last Calib.: 2011.01.23  
 Start Time: 21:37:15      End Time: 04:54:15      Time On Btm: 2011.01.22 @ 23:29:45  
 Time Off Btm: 2011.01.23 @ 02:30:15

**TEST COMMENT:** IF:BOB in 15 min.  
 IS:Weak surface blow in 5 min. died in 10 min  
 FF:BOB in 15 min.  
 FS:No return blow



**PRESSURE SUMMARY**

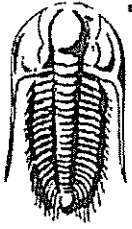
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2197.36	112.95	Initial Hydro-static
1	31.72	112.59	Open To Flow (1)
32	113.87	115.78	Shut-In(1)
77	601.08	117.03	End Shut-In(1)
77	124.05	116.86	Open To Flow (2)
122	145.53	117.68	Shut-In(2)
180	499.70	119.09	End Shut-In(2)
181	2132.66	120.06	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
124.00	gcmo 5%g 30%m 65%o	0.61
241.00	mcgo 20%m 20%g 60%o	2.31

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas

**Nuss 1-24**

310 Market St  
Wichita Ks  
67202

**24-14-32 Logan Co KS**

Job Ticket: 040622      DST#: 6

ATTN: Brad Rine

Test Start: 2011.01.22 @ 21:37:15

**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: bbl		
Water Loss: 7.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

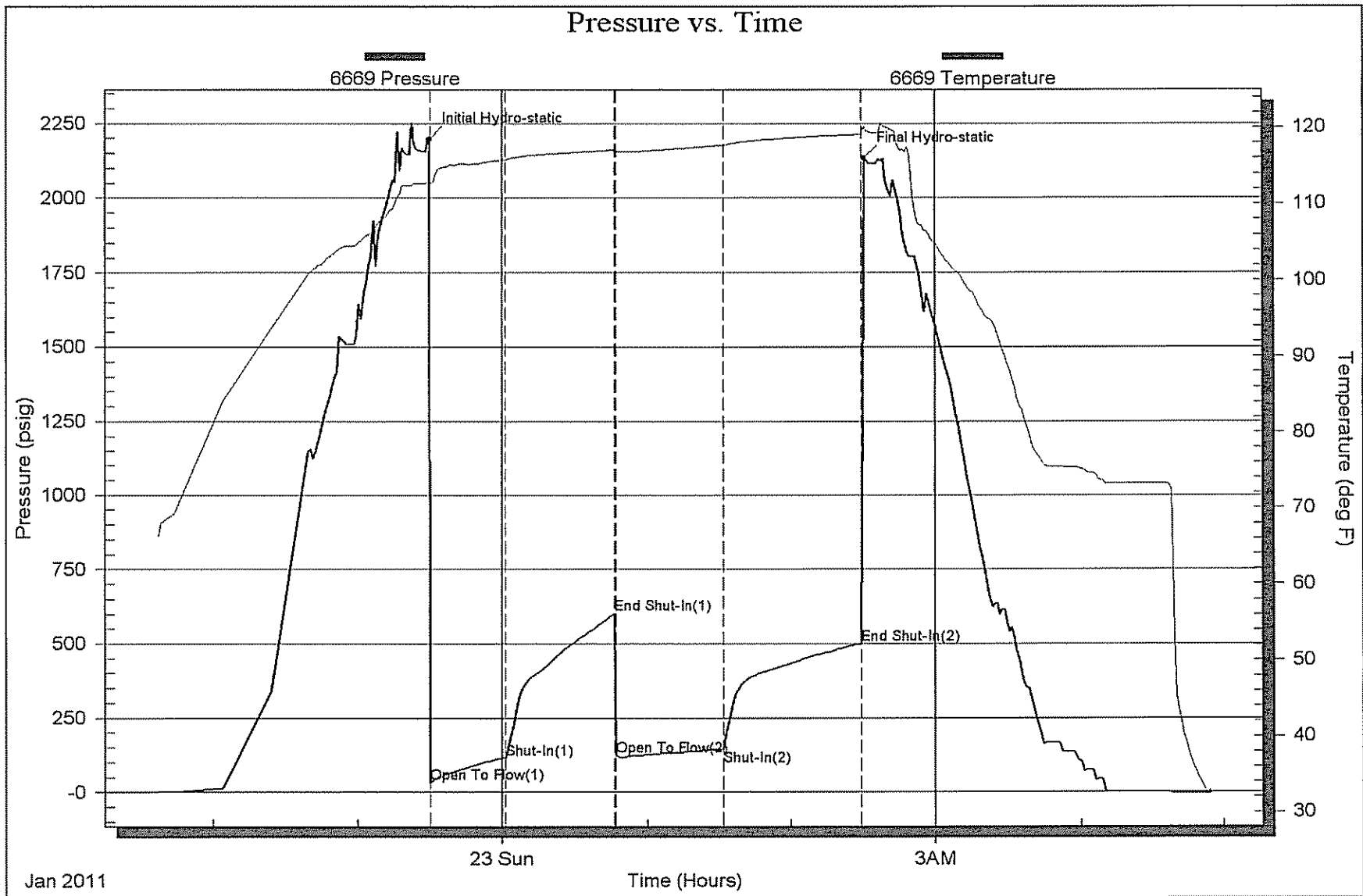
Length ft	Description	Volume bbl
124.00	gcmo 5%g 30%m 65%o	0.610
241.00	mcgo 20%m 20%g 60%o	2.315

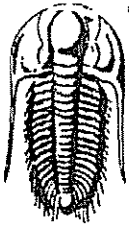
Total Length: 365.00 ft      Total Volume: 2.925 bbl

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

310 Market St  
Wichita Ks  
67202  
ATTN: Brad Rine

**Nuss 1-24**

**24-14-32 Logan Co KS**

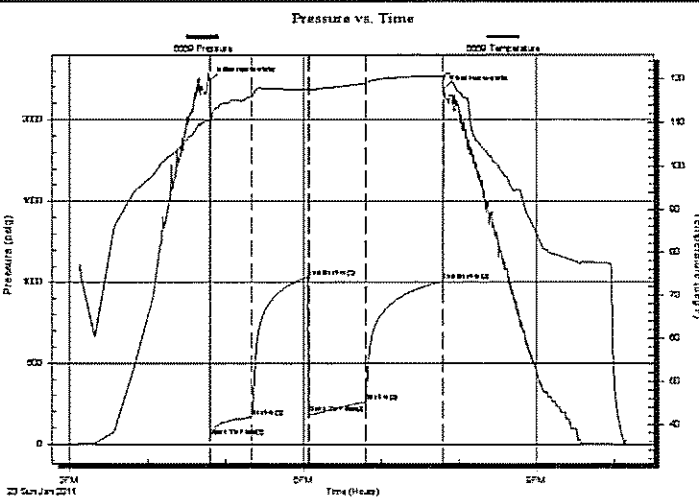
Job Ticket: 040623      DST#: 7  
Test Start: 2011.01.23 @ 15:07:15

**GENERAL INFORMATION:**

Formation: **Morrow**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole  
 Time Tool Opened: 16:47:45  
 Tester: Mike Roberts  
 Time Test Ended: 22:09:45  
 Unit No: 48  
 Interval: **4404.00 ft (KB) To 4452.00 ft (KB) (TVD)**  
 Reference Elevations: 2791.00 ft (KB)  
 Total Depth: 4452.00 ft (KB) (TVD)      2781.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair      KB to GR/CF: 10.00 ft

**Serial #: 6669      Outside**  
 Press@RunDepth: 259.05 psig @ 4447.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2011.01.23      End Date: 2011.01.23      Last Calib.: 2011.01.23  
 Start Time: 15:07:15      End Time: 22:09:45      Time On Btm: 2011.01.23 @ 16:47:30  
 Time Off Btm: 2011.01.23 @ 19:48:30

**TEST COMMENT:** IF:BOB in 6 min.  
 IS:BOB in 23 min.  
 FF:BOB in 7 min.  
 FS:BOB in 12 min.



**PRESSURE SUMMARY**

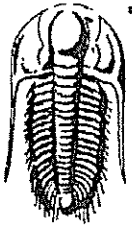
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2238.95	110.46	Initial Hydro-static
1	46.30	109.93	Open To Flow (1)
33	168.27	115.98	Shut-In(1)
77	1033.97	117.63	End Shut-In(1)
77	188.30	117.29	Open To Flow (2)
121	259.05	119.01	Shut-In(2)
180	1005.92	120.80	End Shut-In(2)
181	2186.57	119.93	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
0.00	GIP= 62 feet	0.00
124.00	mcgo 10%m 30%g 60%o	0.61
62.00	gcmo 10%g 30%m 60%o	0.30
124.00	mcgo 5%m 40%g 55%o	1.24
124.00	gco 10%g 90%o	1.74
241.00	gcmo 10%g 10%m 80%o	3.38

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas

**Nuss 1-24**

310 Market St  
Wichita Ks  
67202

**24-14-32 Logan Co KS**

Job Ticket: 040623      DST#: 7

ATTN: Brad Rine

Test Start: 2011.01.23 @ 15:07:15

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4400.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

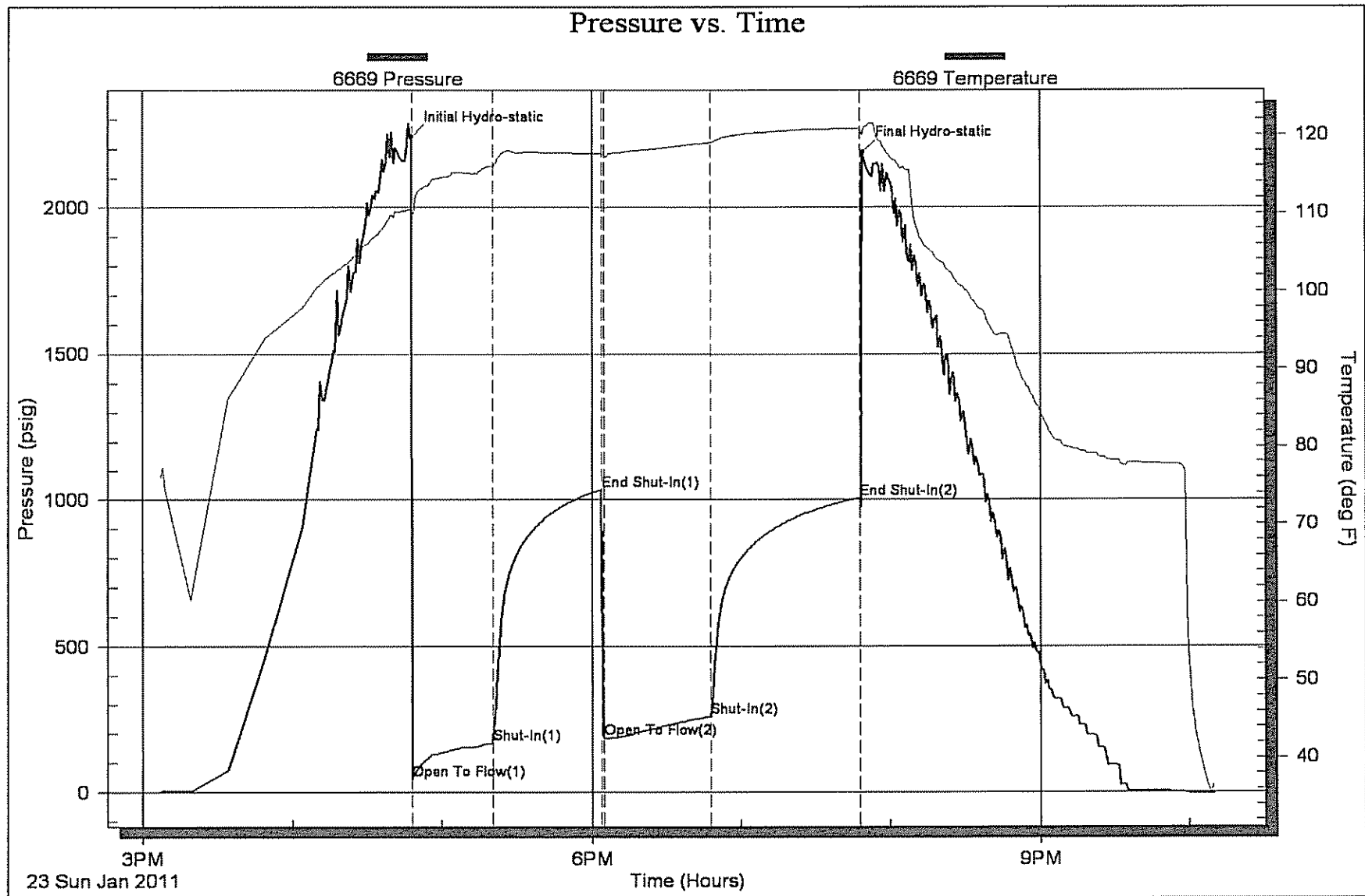
Length ft	Description	Volume bbl
0.00	GIP= 62 feet	0.000
124.00	mcgo 10%m 30%g 60%o	0.610
62.00	gcmo 10%g 30%m 60%o	0.305
124.00	mcgo 5%m 40%g 55%o	1.238
124.00	gco 10%g 90%o	1.739
241.00	gcmo 10%g 10%m 80%o	3.381

Total Length: 675.00 ft      Total Volume: 7.273 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: API= 50@ 30 corrected to 60@ 29



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/>

Thomas E. Wright, Chairman  
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

March 23, 2011

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

Re: ACO1  
API 15-109-20966-00-00  
Nuss 1-24  
NE/4 Sec.24-14S-32W  
Logan 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