

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

8/12/12

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5214  
Name: Lario Oil & Gas Company  
Address: 301 S. Market  
City/State/Zip: Wichita, KS 67202  
Purchaser: Plains  
Operator Contact Person: Jay G. Schweikert  
Phone: ( 316 ) 265-5611  
Contractor: Name: WW Drilling  
License: 33575  
Wellsite Geologist: Pat Deenihan

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_

7-6-10	7-16-10	7-30-10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 063-21850-0000  
County: Gove  
NE  SE  SW  NE Sec. 33 Twp. 14 S. R. 31  East  West  
2170 feet from S (N) (circle one) Line of Section  
1500 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) (NE) SE NW SW  
Lease Name: Thies Ranch Well #: 1-33  
Field Name: Wildcat  
Producing Formation: Lansing  
Elevation: Ground: 2639' Kelly Bushing: 2644'  
Total Depth: 4400' Plug Back Total Depth: 4249'  
Amount of Surface Pipe Set and Cemented at 215 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2185 Feet  
If Alternate II completion, cement circulated from 2185  
feet depth to surface w/ 395 sx cmt.

Drilling Fluid Management Plan AH II W 8790  
(Data must be collected from the Reserve Pit)  
Chloride content 15,000 ppm Fluid volume 750 bbls  
Dewatering method used evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Jay G. Schweikert  
Title: Jay G. Schweikert, Operations Engineer Date: 8-13-10  
Subscribed and sworn to before me this 13th day of August,  
20 10  
Notary Public: Kathy L. Ford  
Date Commission Expires: 10-22-10

KATHY L. FORD  
Notary Public - State of Kansas  
My Appt Expires 10-22-10

KCC Office Use ONLY  
 Letter of Confidentiality Received 8/12/10 - 8/12/12  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
RECEIVED  
AUG 16 2010

KCC WICHITA

Operator Name: Lario Oil & Gas Company Lease Name: Thies Ranch Well #: 1-33  
 Sec. 33 Twp. 14 S. R. 31  East  West County: Gove

**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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)  
 List All E. Logs Run:

DIL/Sonic/Micro/CDL/CNL/PE

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Heebner	3659	-1015
Lansing	3696	-1052
Stark Shale	3943	-1299
Hushpuckney	3978	-1334
Base KC	4032	-1388
Ft. Scott	4186	-1542
Basal Penn	4318	-1674
Mississippian	4538	-1714

CASING RECORD <input checked="" 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
surface	12 1/4"	8 5/8"	23#	215'	Common	150	3% CC, 2% gel
production		4 1/2"	10.5#	4394'	ASC	175	10# salt, 2% gel, 5# gil
DV tool				2185'	Lite	395	1/4# Flosea!

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3866' - 3872'	250 gal 15% MCA	3866' - 3872'
4	3776' - 3782'	250 gal 15% NEFE	3776' - 3782'
		1200 gal 15% NEFE, flushed w/2% KCL wtr w/3 gal biocide	3776' - 3782'

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	4242'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enh.	Producing Method
8-6-10 1st production	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	87	0	24		

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_



PO BOX 31 Russell, KS 67665

KCC  
AUG 12 2010  
CONFIDENTIAL

# INVOICE

Invoice Number: 123593

Invoice Date: Jul 16, 2010

Page: 1

Voice: (785) 483-3887  
Fax: (785) 483-5566

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

*AFE 10 117 drilling  
7-23-10 LK*

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	Thies Ranch #1-33	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jul 16, 2010	8/15/10

Quantity	Item	Description	Unit Price	Amount
425.00	MAT	Lightweight Class A	14.05	5,971.25
106.00	MAT	Flo Seal	2.50	265.00
430.00	SER	Handling	1.00	430.00
20.00	SER	Mileage 430 sx @.10 per sk per mi	21.50	430.00

RECEIVED  
AUG 16 2010  
KCC WICHITA

Acct.	EXPI.	FILE	
GC			
KG			
HY			DB
PV			MM
OD			DM

*ad*  
*sc*  
JUL 26 2010

Subtotal	7,096.25
Sales Tax	502.02
Total Invoice Amount	7,598.27
Payment/Credit Applied	
<b>TOTAL</b>	<b>7,598.27</b>

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

\$ 1774.06

ONLY IF PAID ON OR BEFORE

Aug 10, 2010

# ALLIED CEMENTING CO., LLC. 038952

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

NOV 1 2 2010  
CONFIDENTIAL

SERVICE POINT:

AFE 10 117 7-16-10 7-17-10  
 DATE 7-16-10 SEC. 33 TWP. 14 RANGE 31 CALLED OUT ON LOCATION 9:00pm JOB START 11:00am JOB FINISH 11:30am  
 LEASE Thurs Ranch WELL# 1-33 LOCATION Oakley - Monument Rocks COUNTY Gove STATE Ks  
 OLD OR NEW (Circle one)

RECEIVED  
AUG 16 2010

CONTRACTOR W-W #2  
 TYPE OF JOB 2-stage (Top)  
 HOLE SIZE 7 7/8 T.D.  
 CASING SIZE 4 1/2 10.5 DEPTH 2185'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT 34.7

EQUIPMENT  
 PUMP TRUCK CEMENTER Fuzz  
 # 431 HELPER Rally  
 BULK TRUCK  
 # 394 DRIVER Wayne  
 BULK TRUCK  
 # DRIVER

REMARKS:  
Pump 5 Bbls H<sub>2</sub>O mix 30% Ks in BH  
Mix 3% S down Cas. Wash  
pump lines. Drop plug & displace  
to BU Tool 800' lift Close Tool  
@ 1500' Plug down @ 11:00am  
cement did circulate  
Approx 25 Bbls  
Thanks Fuzz & crew

CHARGE TO: Larry O. I + Gas  
 STREET PO Box 1093  
 CITY Garden City STATE Ks ZIP 67846

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 Larry Karlin  
 SIGNATURE Larry Karlin

OWNER  
 CEMENT  
 AMOUNT ORDERED 1144 Piosal  
(used 425 lite)  
 COMMON @  
 POZMIX @  
 GEL @  
 CHLORIDE @  
 ASC @  
~~lite~~ @ ~~140~~ ~~5971~~  
lite 425 @ 140 5971  
Piosal 108 @ 250 265  
 @  
 @  
 @  
 @  
 HANDLING 430 @ 2 430  
 MILEAGE 1049K @ 430  
 TOTAL 7096

SERVICE  
 DEPTH OF JOB  
 PUMP TRUCK CHARGE 1185 W/C  
 EXTRA FOOTAGE @  
 MILEAGE 20 @ 700 W/C  
 MANIFOLD @  
 @  
 @

PLUG & FLOAT EQUIPMENT  
 @  
 @  
 @  
 @  
 @  
 TOTAL

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

Bid



PO BOX 31 Russell, KS 67665

KCC  
AUG 12 2010  
CONFIDENTIAL

# INVOICE

Invoice Number: 123592

Invoice Date: Jul 16, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

RECEIVED

AUG 16 2010

KCC WICHITA

AFE 10 117 drilling  
7-23-10 ZK

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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	Thies Ranch #1-33	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jul 16, 2010	8/15/10

Quantity	Item	Description	Unit Price	Amount
175.00	MAT	ASC Class A	18.60	3,255.00
875.00	MAT	Gilsontie	0.89	778.75
500.00	MAT	WFR-2	1.27	635.00
175.00	SER	Handling	2.40	420.00
175.00	SER	Mileage per sk	1.00	175.00
1.00	SER	Two Stage - Bottom	2,011.00	2,011.00
20.00	SER	Pump truck Mileage	7.00	140.00
1.00	EQP	4.5 AFU Float Shoe	141.00	141.00
1.00	EQP	4.5 Latch Down Assembly	144.00	144.00
1.00	EQP	4.5 Basket	147.00	147.00
1.00	EQP	4.5 D V Tool	4,219.00	4,219.00
9.00	EQP	4.5 Centralizer	32.00	288.00

<p>ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF</p> <p>\$ 3088.44</p> <p>ONLY IF PAID ON OR BEFORE Aug 10, 2010</p>	Subtotal	12,353.75
	Sales Tax	773.42
	Total Invoice Amount	13,127.17
	Payment/Credit Applied	
	<b>TOTAL</b>	<b>13,127.17</b>

# ALLIED CEMENTING CO., LLC. 038951

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

KCC

SERVICE POINT:

AFE 10 11 AUG 12 2010

Oakleys  
7-17-10

DATE 7-16-10	SEC. 33	TWP. 14	RANGE 31	CALLED OUT 7:00pm	ON LOCATION 7:00pm	JOB START 11:00am	JOB FINISH 11:30am
LEASE TRACT THIES Ranch		WELL# 1-33		LOCATION Oakley - Monument Rocks		COUNTY Coffey	STATE KS
OLD OR NEW (Circle one) <input checked="" type="checkbox"/> NEW				1 1/2 in		RECEIVED AUG 16 2010	

CONTRACTOR W-W #12

TYPE OF JOB 2-stage Bottom

HOLE SIZE 7 7/8 T.D. 4400'

CASING SIZE 4 1/2 10.5 DEPTH 4394'

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

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL DU Tool DEPTH 2185'

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

MEAS. LINE \_\_\_\_\_ SHOE JOINT 43'

CEMENT LEFT IN CSG. 43'

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

DISPLACEMENT 69.17 gal

EQUIPMENT 34.74 mud  
34.43 water

PUMP TRUCK CEMENTER Ruzz4

# 431 HELPER Kelly

BULK TRUCK \_\_\_\_\_

# 373 DRIVER \_\_\_\_\_

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER \_\_\_\_\_ AUG 16 2010

CEMENT KCC WICHITA

AMOUNT ORDERED 175 ASC 290gal

1092gal salt, 54G. 1/5K

500gal WTR II

COMMON _____	@ _____	_____
POZMIX _____	@ _____	_____
GEL _____	@ <u>3</u>	<u>2020</u> N/C
CHLORIDE _____	@ _____	_____
ASC _____	@ <u>175</u>	<u>1800</u> <u>3255.00</u>
Salt _____	@ <u>19</u>	<u>2392</u> N/C
G. Isolate _____	@ <u>875*</u>	<u>189</u> <u>778.75</u>
WTR II _____	@ <u>500gal</u>	<u>121</u> <u>635.00</u>
_____	@ _____	_____
_____	@ _____	_____
HANDLING _____	@ <u>175</u>	<u>245</u> <u>420.00</u>
MILEAGE <u>110.9 kmile</u>	@ _____	<u>175.00</u>
TOTAL		<u>5263.75</u>

**REMARKS:**

Pump 500gal WTR II, Mix 175 sets  
Cement wash pump & lines  
Drop plug & displace to latch down  
Plug did not land. Went 390'  
over displacement. Shut in  
for 1 hr. Drop DU Bomb with  
10 min open tool @ 600' circ  
2 hrs.  
Thanks Ruzz4 & crew

**SERVICE**

DEPTH OF JOB _____	<u>4394</u>	
PUMP TRUCK CHARGE _____	<u>2011.00</u>	
EXTRA FOOTAGE _____	@ _____	
MILEAGE _____	@ <u>20</u> <u>7.00</u> <u>140.00</u>	
MANIFOLD _____	@ _____	
_____	@ _____	
_____	@ _____	
TOTAL		<u>2151.00</u>

CHARGE TO: Lario O. 1 & GAS

STREET PO Box 1093

CITY Garden City STATE KS ZIP 67846

**PLUG & FLOAT EQUIPMENT:**

<u>4 1/2</u> { 1-A To Clear shop	@ _____	<u>141.00</u>
1-Latchdown Assy	@ _____	<u>144.00</u>
1-Boss/Rob	@ <u>147.00</u>	<u>147.00</u>
1-DU Tool (W)	@ _____	<u>4219.00</u>
2-Cent	@ <u>32.00</u>	<u>288.00</u>
_____	@ _____	_____
TOTAL		<u>4939.00</u>

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 Larry Karlin

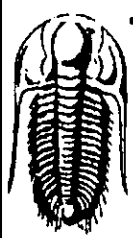
SIGNATURE Larry Karlin

SALES TAX (if Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

Bid



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil & Gas Co  
301 S Market  
Wichita, Ks  
67202  
ATTN: Pat Deenihan

Thies Ranch #1  
33-14-31 Gove, Ks  
Job Ticket: 039138  
Test Start: 2010.07.10 @ 15:50:54

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AUG 16 2010  
KCC WICHITA  
DST#: 1

AUG 12 2010  
CONFIDENTIAL

## GENERAL INFORMATION:

Formation: **B**  
Deviated: **No Whipstock** ft (KB)  
Time Tool Opened: 17:40:09  
Time Test Ended: 22:25:24  
  
Interval: **3717.00 ft (KB) To 3737.00 ft (KB) (TVD)**  
Total Depth: **3737.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**  
Tester: **Shane McBride**  
Unit No: **40**  
  
Reference Elevations: **2644.00 ft (KB)**  
**2639.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

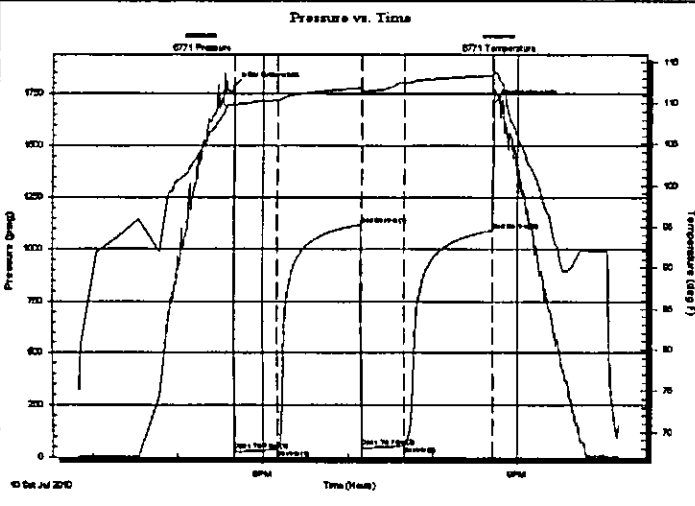
## Serial #: 6771

Inside

Press@RunDepth: **53.13 psig @ 3718.00 ft (KB)**  
Start Date: **2010.07.10** End Date: **2010.07.10**  
Start Time: **15:50:54** End Time: **22:12:24**

Capacity: **8000.00 psig**  
Last Calib.: **2010.07.10**  
Time On Btm: **2010.07.10 @ 17:39:54**  
Time Off Btm: **2010.07.10 @ 20:42:39**

TEST COMMENT: **3/4" in blow died back to a surface blow**  
**No return**  
**Weak surface blow died in 3 min.**  
**No return**



## PRESSURE SUMMARY

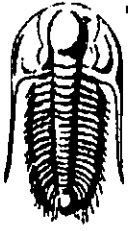
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1785.45	110.21	Initial Hydro-static
1	32.57	109.66	Open To Flow (1)
30	35.48	110.39	Shut-In(1)
90	1120.49	111.84	End Shut-In(1)
90	47.93	111.54	Open To Flow (2)
120	53.13	112.44	Shut-In(2)
183	1093.42	113.38	End Shut-In(2)
183	1705.72	113.67	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud w / oil spots	0.30

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas Co

**Thies Ranch #1**

301 S Market

**33-14-31 Gove, Ks**

Wichita, Ks

Job Ticket: 039138

**DST#: 1**

67202

Test Start: 2010.07.10 @ 15:50:54

ATTN: Pat Deenihan

## 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 Satinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud w / oil spots	0.295

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

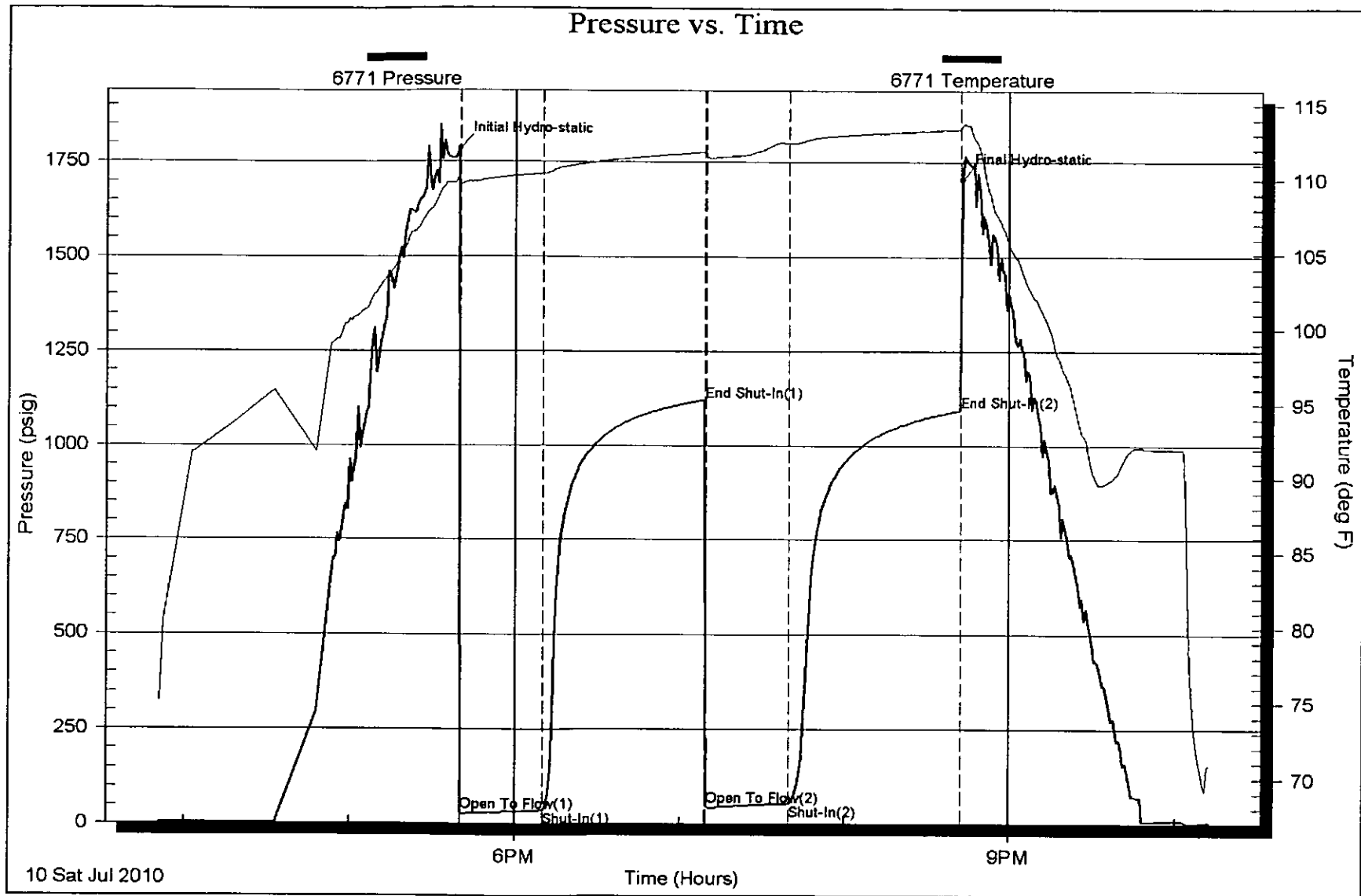
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



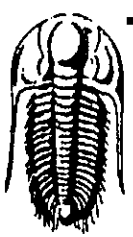


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AUG 16 2010  
KCCMICHITA

RECEIVED

AUG 16 2010

KCC WICHITA



**TRIOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Lario Oil & Gas Co  
301 S Market  
Wichita, Ks  
67202  
ATTN: Pat Deenihan

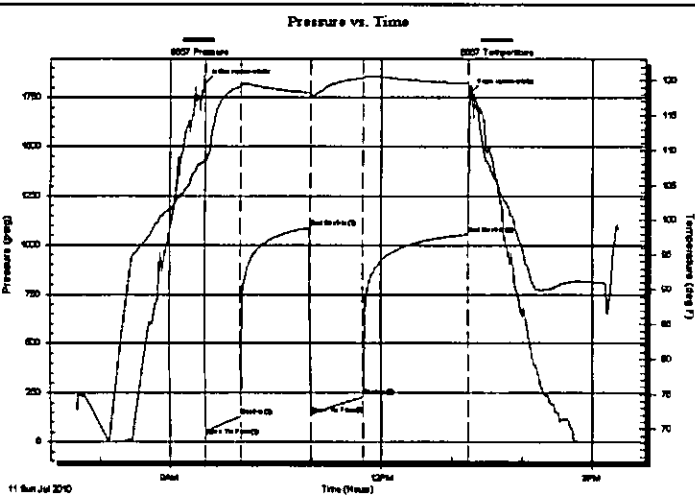
Thies Ranch #1  
33-14-31 Gove, Ks  
Job Ticket: 039139      DST#: 2  
Test Start: 2010.07.11 @ 07:40:47

**GENERAL INFORMATION:**

Formation: D  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 09:30:02  
Time Test Ended: 15:35:02  
Interval: 3764.00 ft (KB) To 3785.00 ft (KB) (TVD)  
Total Depth: 3785.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2644.00 ft (KB)  
2639.00 ft (CF)  
KB to GR/CF: 5.00 ft  
Test Type: Conventional Bottom Hole  
Tester: Shane McBride  
Unit No: 40

Serial #: 6667      Outside  
Press@RunDepth: 230.85 psig @ 3765.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.07.11      End Date: 2010.07.11      Last Calib.: 2010.07.11  
Start Time: 07:40:47      End Time: 15:22:02      Time On Btm: 2010.07.11 @ 09:29:32  
Time Off Btm: 2010.07.11 @ 13:15:02

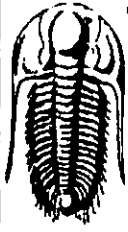
TEST COMMENT: B.O.B. in 9 min.  
3 1/4" return blow ,died back to 1"  
B.O.B. in 15 min.  
3 1/2" return blow ,died back to 1/4"



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1823.97	108.86	Initial Hydro-static
1	31.11	108.58	Open To Flow (1)
31	130.71	119.14	Shut-In(1)
90	1088.22	118.24	End Shut-In(1)
90	139.90	117.83	Open To Flow (2)
135	230.85	120.35	Shut-In(2)
225	1055.72	119.58	End Shut-In(2)
226	1774.90	118.95	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
186.00	water 100%w	1.48
62.00	s o & m c w 5%o 45% m 50%w	0.87
278.00	c g o 15%g 85%o	3.90
0.00	645' of gas in pipe	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

**Thies Ranch #1**

301 S Market  
Wichita, Ks  
67202

**33-14-31 Gove, Ks**

Job Ticket: 039139

**DST#: 2**

ATTN: Pat Deenihan

Test Start: 2010.07.11 @ 07:40:47

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

27000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
186.00	water 100%w	1.480
62.00	s o & m c w 5%o 45%m 50%w	0.870
278.00	c g o 15%g 85%o	3.900
0.00	645' of gas in pipe	0.000

Total Length: 526.00 ft      Total Volume: 6.250 bbf

Num Fluid Samples: 0

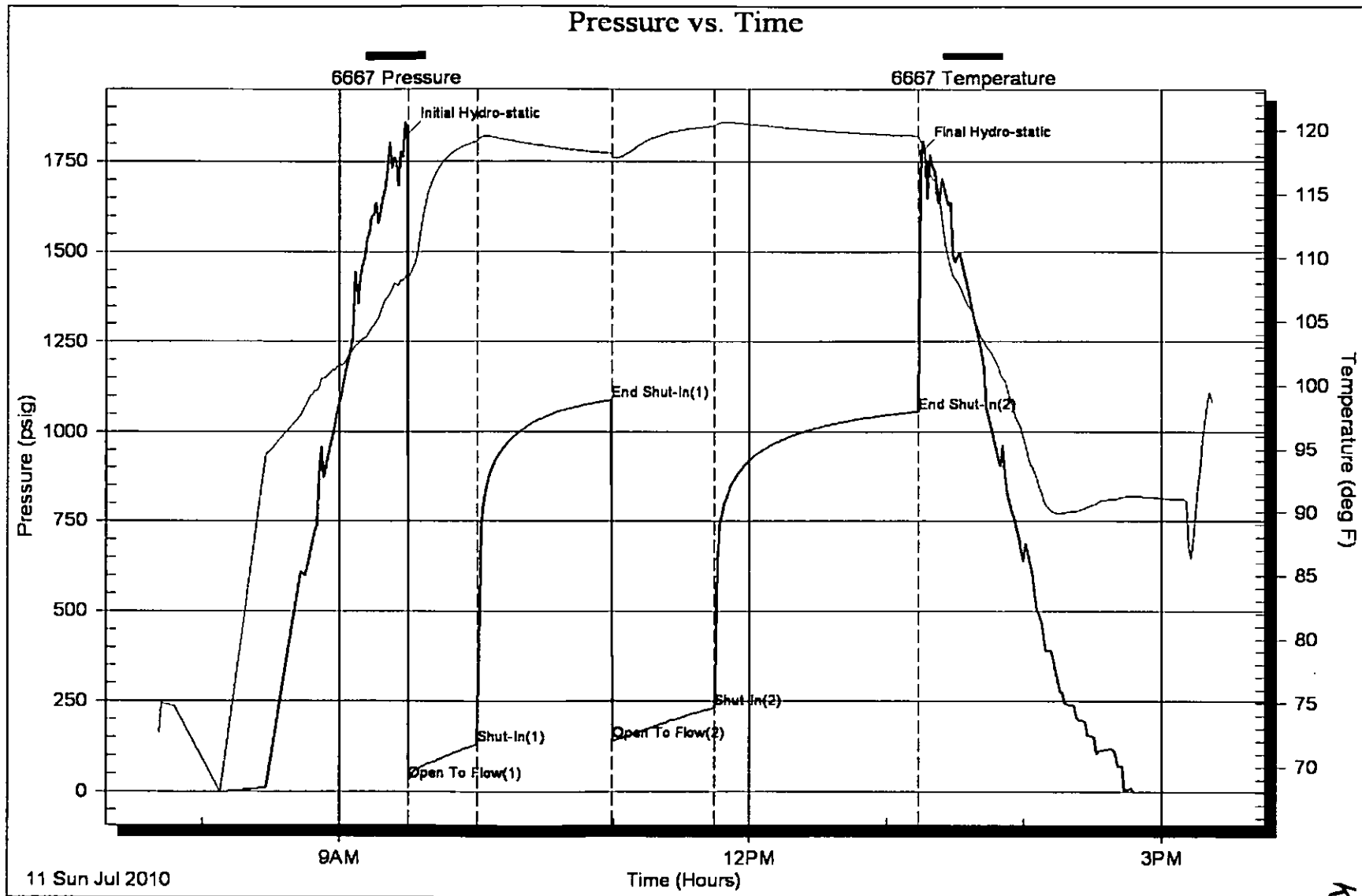
Num Gas Bombs: 0

Serial #:

Laboratory Name:

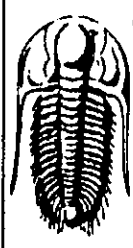
Laboratory Location:

Recovery Comments: rw .210 @ 90° = 27,000 chlbr



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**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Lario Oil & Gas Co  
301 S Market  
Wichita, Ks  
67202  
ATTN: Pat Deenihan

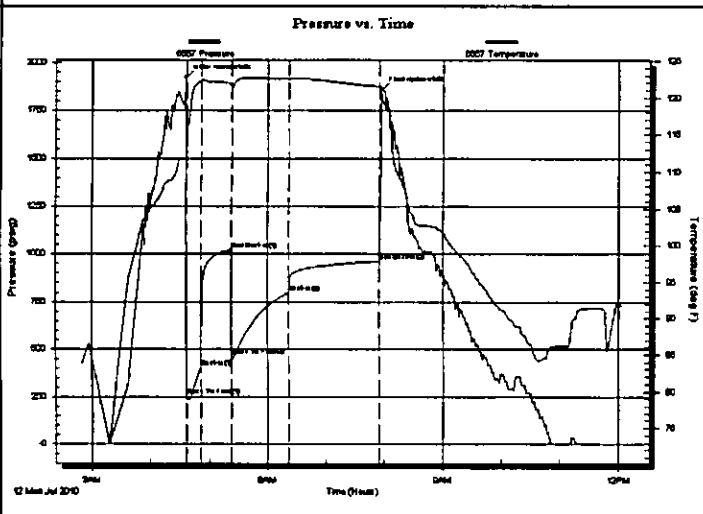
Thies Ranch #1  
33-14-31 Gove, Ks  
Job Ticket: 039140      DST#: 3  
Test Start: 2010.07.12 @ 02:50:25

**GENERAL INFORMATION:**

Formation: H  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 04:36:55  
Time Test Ended: 12:35:25  
Interval: 3842.00 ft (KB) To 3878.00 ft (KB) (TVD)  
Total Depth: 3878.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Shane McBride  
Unit No: 40  
Reference Elevations: 2644.00 ft (KB)  
2639.00 ft (CF)  
KB to GR/CF: 5.00 ft

Serial #: 6667      Outside  
Press@RunDepth: 799.86 psig @ 3843.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.07.12      End Date: 2010.07.12      Last Calib.: 2010.07.12  
Start Time: 02:50:25      End Time: 12:04:25      Time On Btm: 2010.07.12 @ 04:35:40  
Time Off Btm: 2010.07.12 @ 07:56:25

TEST COMMENT: B.O.B. in 1 1/2 min.  
Return to B.O.B. in 10 min  
B.O.B. @ open  
Bled off throughout



**PRESSURE SUMMARY**

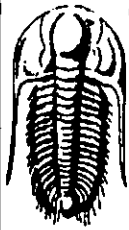
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1919.51	111.81	Initial Hydro-static
2	252.80	111.44	Open To Flow (1)
16	404.47	122.27	Shut-in(1)
48	1021.68	121.93	End Shut-in(1)
48	464.11	121.64	Open To Flow (2)
106	799.86	122.50	Shut-in(2)
199	962.27	121.54	End Shut-in(2)
201	1853.03	121.47	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
186.00	g m c o 35%g 25%m 40%o	1.48
2016.00	c g o 30%g 70%o	28.28
0.00	1270' gas in pipe	0.00

**Gas Rates**

	Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)



**TRIOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas Co

**Thies Ranch #1**

301 S Market

**33-14-31 Gove, Ks**

Wichita, Ks

Job Ticket: 039140

**DST#: 3**

67202

ATTN: Pat Deenihan

Test Start: 2010.07.12 @ 02:50:25

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	g m c o 35%g 25%m 40%o	1.480
2016.00	c g o 30%g 70%o	28.279
0.00	1270' gas in pipe	0.000

Total Length: 2202.00 ft      Total Volume: 29.759 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

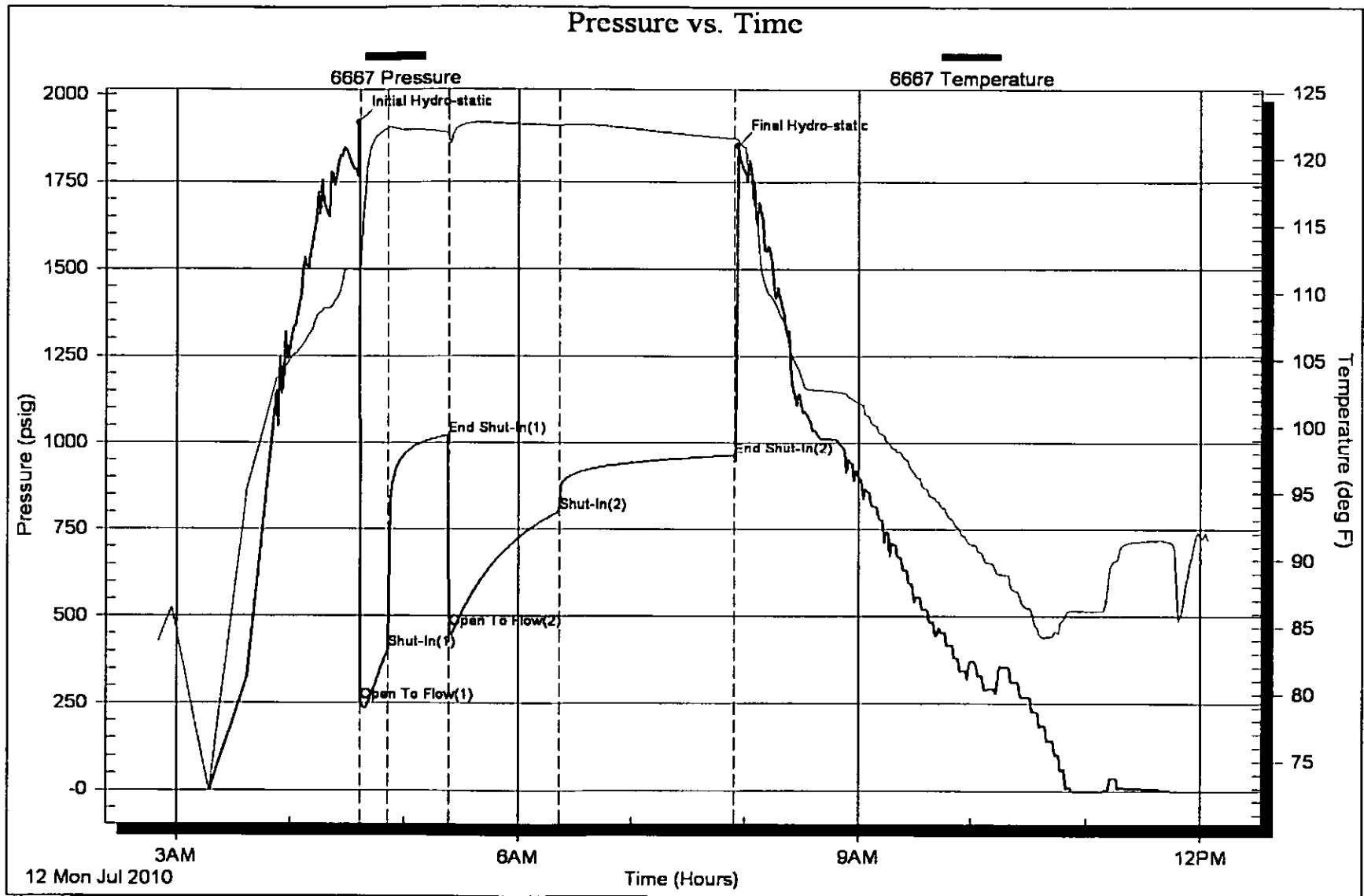
Recovery Comments:

Serial #: 6667

Outside Lario Oil & Gas Co

33-14-31 Gove, Ks

DST Test Number: 3



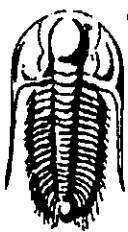
Triobite Testing, Inc

Ref. No: 039140

Printed: 2010.07.12 @ 16:59:35 P 3

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**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Lario Oil & Gas Co  
301 S Market  
Wichita, Ks  
67202  
ATTN: Pat Deenihan

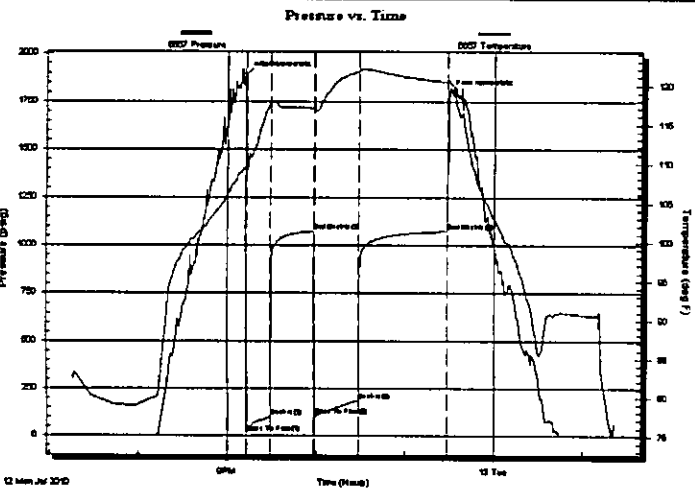
Thies Ranch #1  
33-14-31 Gove, Ks  
Job Ticket: 039141      DST#: 4  
Test Start: 2010.07.12 @ 19:15:57

**GENERAL INFORMATION:**

Formation: I  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 21:12:27  
Time Test Ended: 01:35:12  
Interval: 3876.00 ft (KB) To 3907.00 ft (KB) (TVD)  
Total Depth: 3907.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Shane McBride  
Unit No: 40  
Reference Elevations: 2644.00 ft (KB)  
2639.00 ft (CF)  
KB to GR/CF: 5.00 ft

Serial #: 6667      Outside  
Press@RunDepth: 187.08 psig @ 3877.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.07.12      End Date: 2010.07.13      Last Calib.: 2010.07.13  
Start Time: 19:15:57      End Time: 01:21:12      Time On Btm: 2010.07.12 @ 21:12:12  
Time Off Btm: 2010.07.12 @ 23:28:57

TEST COMMENT: 9" in blow  
No return  
B.O.B. in 27 min  
No return



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1887.86	109.52	Initial Hydro-static
1	16.87	108.82	Open To Flow (1)
17	100.98	117.63	Shut-In(1)
46	1075.44	117.03	End Shut-In(1)
47	104.37	116.64	Open To Flow (2)
76	187.08	121.72	Shut-In(2)
137	1075.34	120.43	End Shut-In(2)
137	1793.93	120.53	Final Hydro-static

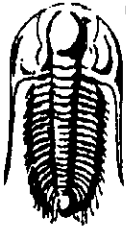
**Recovery**

Length (ft)	Description	Volume (bbl)
248.00	water 100%w	2.35
62.00	m c w 20% m 80% w	0.87
82.00	w c m w /oil spots 40% w 60% m	1.15
0.00	2" in free oil on top	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

**Thies Ranch #1**

301 S Market

**33-14-31 Gove, Ks**

Wichita, Ks

Job Ticket: 039141

**DST#: 4**

67202

ATTN: Pat Deenihan

Test Start: 2010.07.12 @ 19:15:57

## 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:

31000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Safinity: 2500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	water 100%w	2.349
62.00	m c w 20%m 80%w	0.870
82.00	w c m w /oil spots 40%w 60%m	1.150
0.00	2" in free oil on top	0.000

Total Length: 392.00 ft      Total Volume: 4.369 bbl

Num Fluid Samples: 0

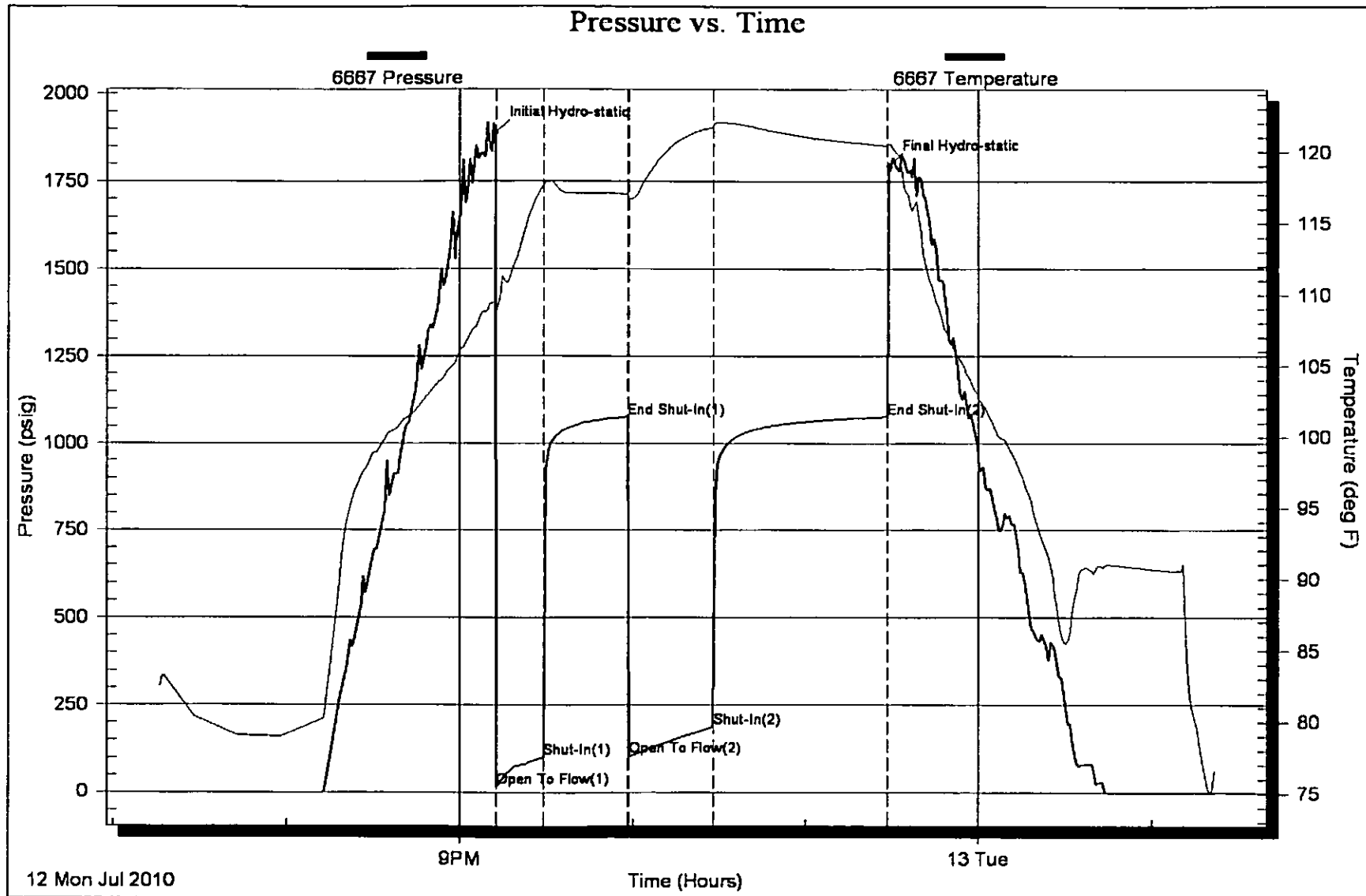
Num Gas Bombs: 0

Serial #:

Laboratory Name:

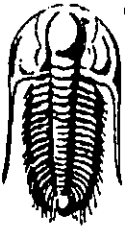
Laboratory Location:

Recovery Comments: rw .203 @ 75" = 31,000 chlor



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**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Lario Oil & Gas Co  
301 S Market  
Wichita, Ks  
67202  
ATTN: Pat Deenihan

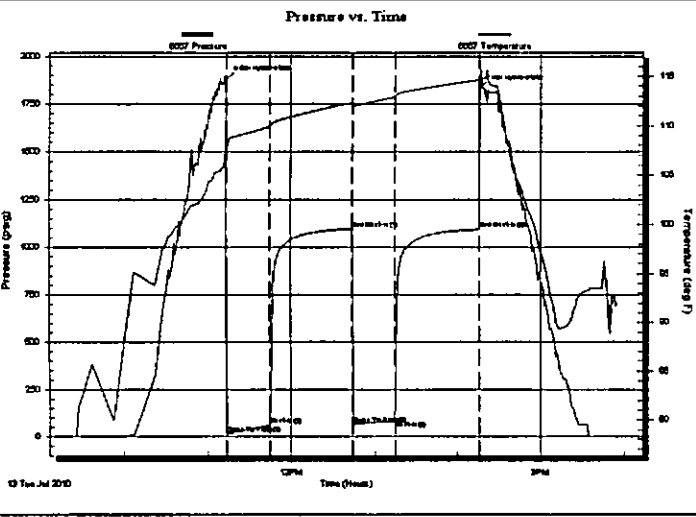
Thies Ranch #1  
33-14-31 Gove, Ks  
Job Ticket: 039142 DST#: 5  
Test Start: 2010.07.13 @ 09:25:32

**GENERAL INFORMATION:**

Formation: J  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 11:14:02  
Time Test Ended: 16:10:02  
Interval: 3921.00 ft (KB) To 3931.00 ft (KB) (TVD)  
Total Depth: 3931.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2644.00 ft (KB)  
2639.00 ft (CF)  
KB to GR/CF: 5.00 ft  
Test Type: Conventional Bottom Hole  
Tester: Shane McBride  
Unit No: 40

Serial #: 6667 Outside  
Press@RunDepth: 85.65 psig @ 3922.00 ft (KB)  
Start Date: 2010.07.13 End Date: 2010.07.13  
Start Time: 09:25:32 End Time: 15:54:02  
Capacity: 8000.00 psig  
Last Calib.: 2010.07.13  
Time On Btm: 2010.07.13 @ 11:13:47  
Time Off Btm: 2010.07.13 @ 14:15:47

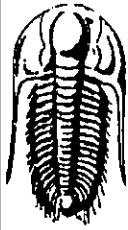
TEST COMMENT: 1 3/4" in blow  
No return  
1 1/4" in blow  
No return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1879.93	107.98	Initial Hydro-static
1	14.46	107.60	Open To Flow (1)
32	62.06	109.94	Shut-In(1)
91	1097.04	112.34	End Shut-In(1)
91	64.80	112.03	Open To Flow (2)
121	85.65	112.88	Shut-In(2)
182	1094.08	114.63	End Shut-In(2)
182	1829.78	114.77	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
150.00	water 100% m	0.97

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Co

**Thies Ranch #1**

301 S Market  
Wichita, Ks  
67202

**33-14-31 Gove, Ks**

Job Ticket: 039142

**DST#: 5**

ATTN: Pat Deenihan

Test Start: 2010.07.13 @ 09:25:32

**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: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 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
150.00	water 100%w	0.975

Total Length: 150.00 ft      Total Volume: 0.975 bbl

Num Fluid Samples: 0

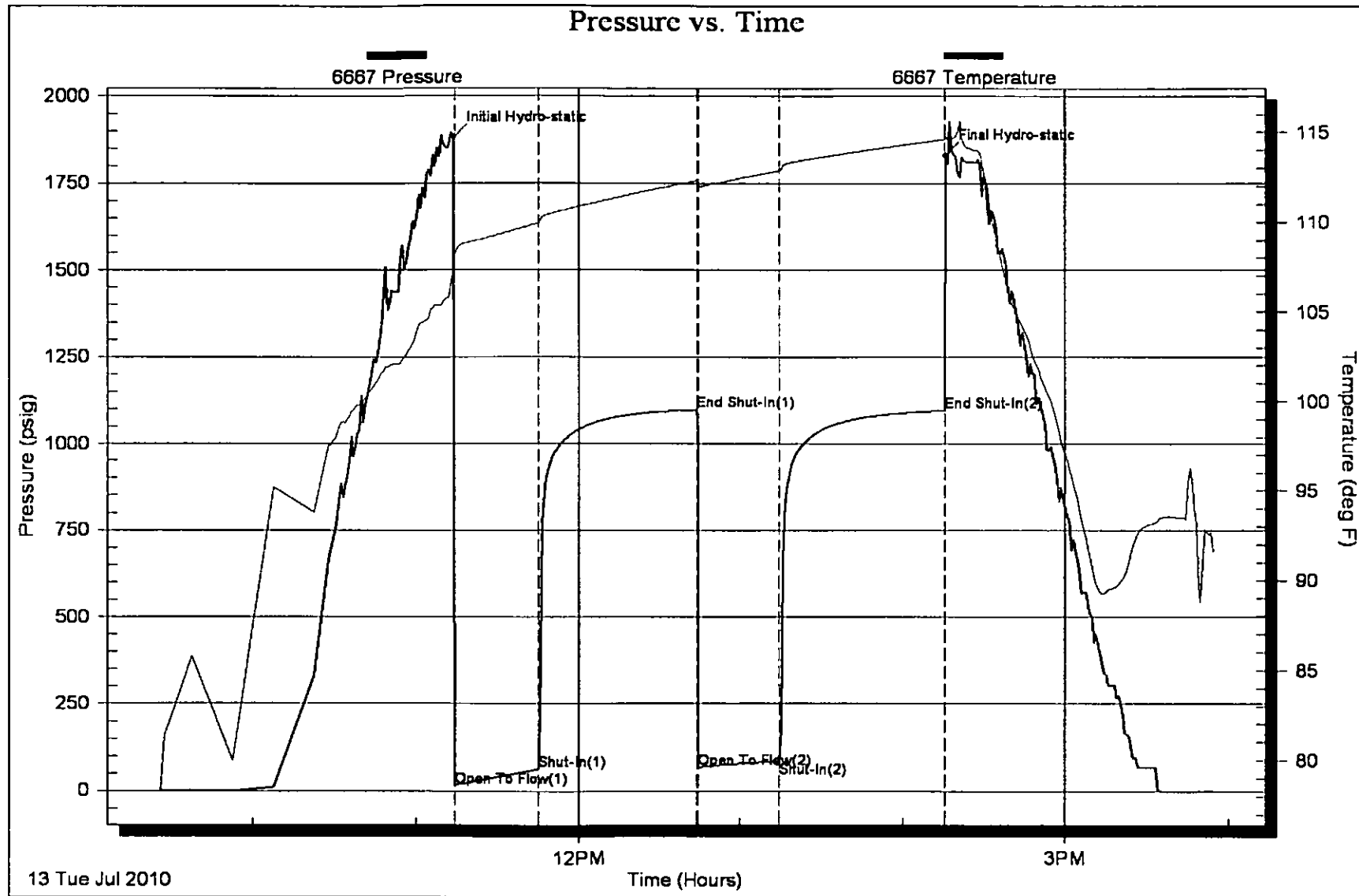
Num Gas Bombs: 0

Serial #:

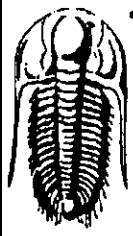
Laboratory Name:

Laboratory Location:

Recovery Comments: rw .171 @ 107°F = 26,000 chlor



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# DRILL STEM TEST REPORT

Lario Oil & Gas Co  
301 S Market  
Wichita, Ks  
67202  
ATTN: Pat Deenihan

**Thies Ranch #1**  
**33-14-31 Gove, Ks**  
Job Ticket: 039143  
DST#: 6  
Test Start: 2010.07.14 @ 18:50:26

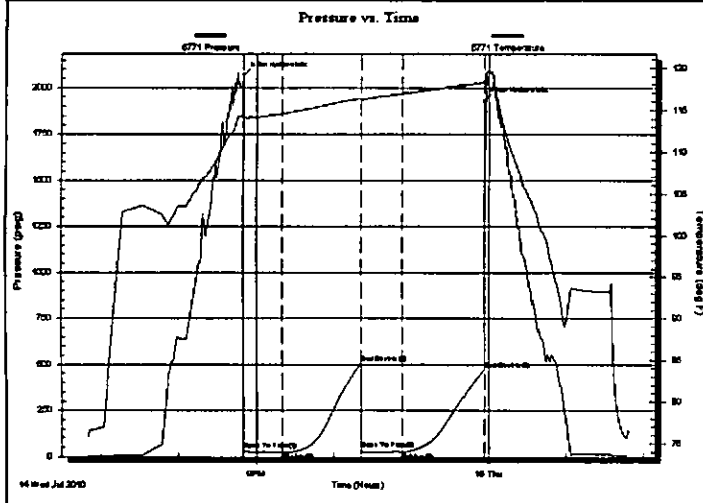
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## GENERAL INFORMATION:

Formation: **Ft Scott-Cherokee**  
Deviated: **No Whipstock** ft (KB)  
Time Tool Opened: 20:50:11  
Time Test Ended: 02:05:41  
Test Type: **Conventional Bottom Hole**  
Tester: **Shane McBride**  
Unit No: **40**  
Interval: **4150.00 ft (KB) To 4209.00 ft (KB) (TVD)**  
Reference Elevations: **2644.00 ft (KB)**  
Total Depth: **4209.00 ft (KB) (TVD)**  
**2639.00 ft (CF)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
KB to GR/CF: **5.00 ft**

**Serial #: 6771** Inside  
Press@RunDepth: **24.98 psig @ 4151.00 ft (KB)** Capacity: **8000.00 psig**  
Start Date: **2010.07.14** End Date: **2010.07.15** Last Calib.: **2010.07.15**  
Start Time: **18:50:26** End Time: **01:48:41** Time On Btm: **2010.07.14 @ 20:49:56**  
Time Off Btm: **2010.07.14 @ 23:56:26**

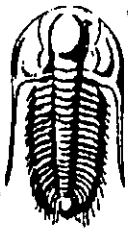
**TEST COMMENT:** Weak blow died in 3 min.  
No return  
No blow  
No return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2067.38	114.70	Initial Hydro-static
1	37.46	113.75	Open To Flow (1)
31	22.94	114.60	Shut-In(1)
92	510.56	116.38	End Shut-In(1)
92	39.16	116.07	Open To Flow (2)
123	24.98	116.94	Shut-In(2)
187	471.14	118.29	End Shut-In(2)
187	1929.74	118.93	Final Hydro-static

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

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas Co

**Thies Ranch #1**

301 S Market

**33-14-31 Gove, Ks**

Wichita, Ks

Job Ticket: 039143

**DST#: 6**

67202

ATTN: Pat Deenihan

Test Start: 2010.07.14 @ 18:50:26

## 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 Satinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 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
2.00	mud 100% <sub>m</sub>	0.010

Total Length:

2.00 ft

Total Volume:

0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

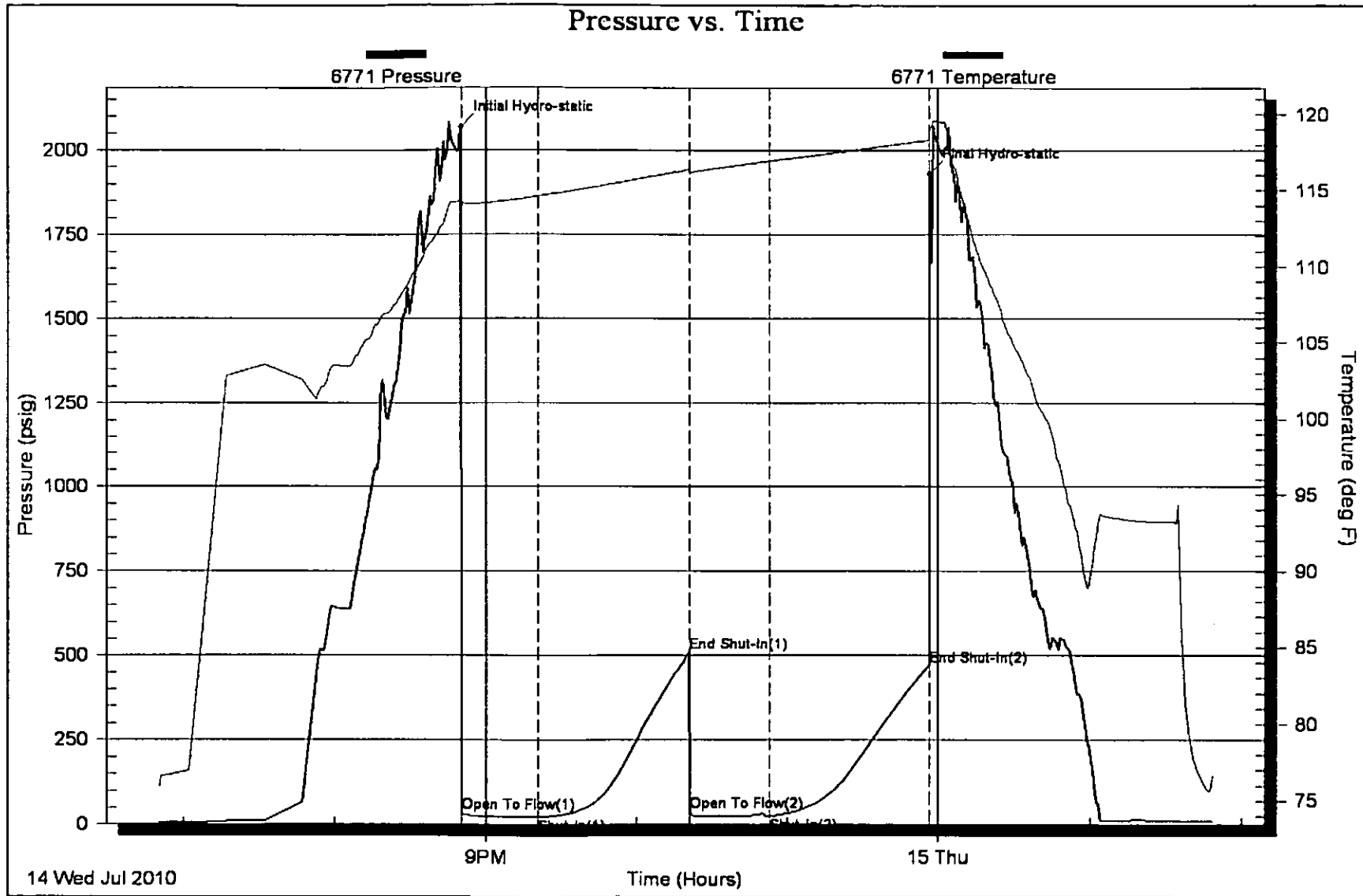
Recovery Comments:

Serial #: 6771

Inside Lario Oil & Gas Co

33-14-31 Gove, Ks

DST Test Number: 6



Trilobite Testing, Inc

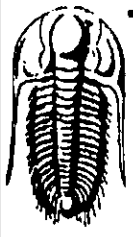
Ref. No: 039143

Printed: 2010.07.15 @ 08:15:56

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**DRILL STEM TEST REPORT**

Lario Oil & Gas Co  
301 S Market  
Wichita, Ks  
67202  
ATTN: Pat Deenihan

**Thies Ranch #1**  
**33-14-31 Gove, Ks**  
Job Ticket: 039144      DST#: 7  
Test Start: 2010.07.15 @ 12:30:16

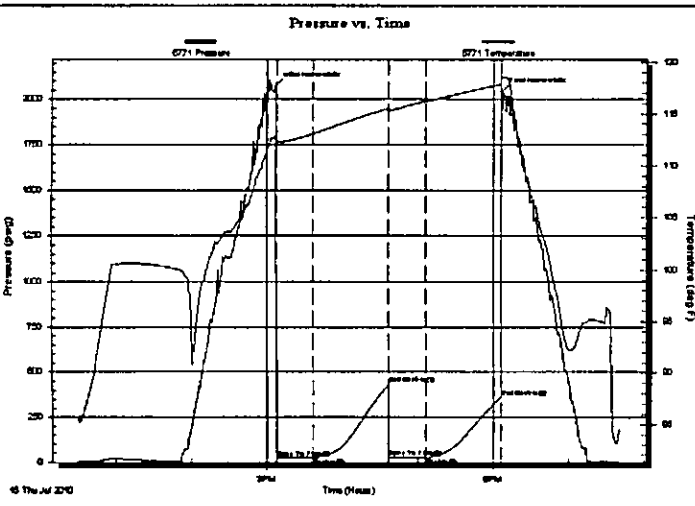
**KCC WICHITA**

**GENERAL INFORMATION:**

Formation: **Johnson**  
Deviated: **No Whipstock**      ft (KB)  
Time Tool Opened: 15:07:16  
Time Test Ended: 19:55:01  
Test Type: **Conventional Bottom Hole**  
Tester: **Shane McBride**  
Unit No: **40**  
Interval: **4223.00 ft (KB) To 4274.00 ft (KB) (TVD)**  
Reference Elevations: **2644.00 ft (KB)**  
**2639.00 ft (CF)**  
Total Depth: **4274.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
KB to GR/CF: **5.00 ft**

Serial #: **6771**      Inside  
Press@RunDepth: **24.75 psig @ 4224.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2010.07.15**      End Date: **2010.07.15**      Last Calib.: **2010.07.15**  
Start Time: **12:30:16**      End Time: **19:41:01**      Time On Btm: **2010.07.15 @ 15:07:01**  
Time Off Btm: **2010.07.15 @ 18:06:46**

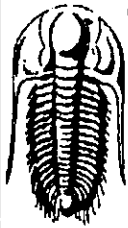
TEST COMMENT: **Weak blow died in 10 min.**  
**No return**  
**No blow**  
**No return**



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2075.37	113.00	Initial Hydro-static
1	22.29	111.50	Open To Flow (1)
30	24.11	113.10	Shut-In(1)
90	432.48	115.52	End Shut-In(1)
90	24.47	115.38	Open To Flow (2)
119	24.75	116.19	Shut-In(2)
179	362.47	117.83	End Shut-In(2)
180	2043.37	118.50	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
1.00	mud 100% m	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

**Thies Ranch #1**

301 S Market

**33-14-31 Gove, Ks**

Wichita, Ks

Job Ticket: 039144

**DST#: 7**

67202

ATTN: Pat Deenihan

Test Start: 2010.07.15 @ 12:30:16

## 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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	mud 100%m	0.005

Total Length: 1.00 ft

Total Volume: 0.005 bbl

Num Fluid Samples: 0

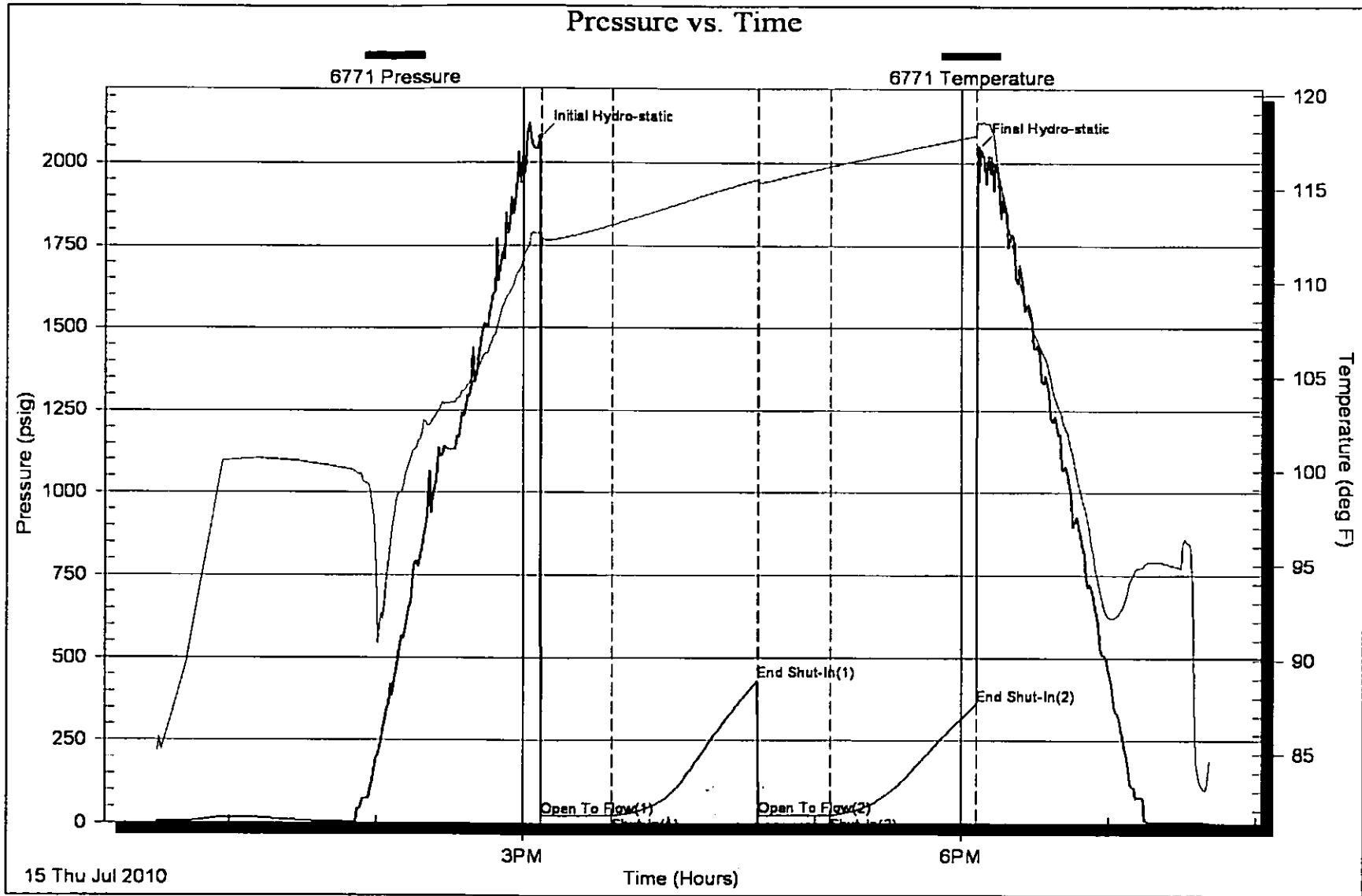
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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