





1053379

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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Kansas Feed Yards 1-21
Doc ID	1053379

All Electric Logs Run

CDL/CNL/PE
MEL
SONIC
DIL

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Kansas Feed Yards 1-21
Doc ID	1053379

Tops

Name	Top	Datum
Heebner	3793	-937
Lansing	3831	-975
Stark Sh	4104	-1248
Hushpuckney	4140	-1284
Base KC	4190	-1334
Marmaton	4231	-1375
Pawnee	4300	-1444
Ft. Scott	4327	-1471
Cherokee Sh	4343	-1487
Johnson	4416	-1560
Morrow	4453	-1597
Basal Penn	4462	-1606
Mississippian	4495	-1639

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

May 20, 2011

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

Re: ACO1  
API 15-109-20999-00-00  
Kansas Feed Yards 1-21  
SW/4 Sec.21-15S-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



PO BOX 31 Russell, KS 67665

# INVOICE

Invoice Number: 126872

Invoice Date: Apr 13, 2011

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

**Bill To:**

Lario Oil & Gas Co.  
*P.O. Box 1093  
Garden City, Ks 67846*

Federal Tax I.D.#: 20-5975804

*Drilling AFE 11-106  
4-24-11 LK*

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	<u>KansasFeedYards#1-21</u>	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Apr 13, 2011	5/13/11

Quantity	Item	Description	Unit Price	Amount
420.00	MAT	Lightweight Class A	14.04	5,896.80
105.00	MAT	Flo Seal	2.50	262.50
420.00	SER	Handling - Production Top Stage	2.40	1,008.00
25.00	SER	Mileage 420 sx @.10 per sk per mi	42.00	1,050.00
1.00	CEMENTER	Larene Wentz		
1.00	CEMENTER	Andrew Forslund		
1.00	OPER ASSIST	Darin Racette		
1.00	OPER ASSIST	Earl Rebarchek		

			<i>OK TO PAY</i>			
Acct	Expl	File				
GC			APR 26 2011			
KG						DB
HY						MM
PV						
OD	IS	KF	GV	SF	DM	

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

**\$ 1643.45**

ONLY IF PAID ON OR BEFORE  
**May 8, 2011**

Subtotal	8,217.30
Sales Tax	449.63
Total Invoice Amount	8,666.93
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,666.93</b>

# ALLIED CEMENTING CO., LLC. 043335

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Dakley KS

DATE <u>4-12-11</u>	SEC. <u>21</u>	TWP. <u>15</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>2:45 am</u>	JOB FINISH <u>3:45 am</u>
LEASE <u>Kansas Feed Yards</u>		WELL# <u>1-21</u>	LOCATION <u>Dakley 5 to Keystone Gallery</u>			COUNTY <u>Hogan</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)			<u>X2 5 into</u>				

CONTRACTOR Uel #4

TYPE OF JOB production Top stage

HOLE SIZE 7 7/8 T.D.

CASING SIZE 4 1/2" DEPTH 4857.28

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DV DEPTH 2284

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 22 ft

CEMENT LEFT IN CSG. 22 ft

PERFS.

DISPLACEMENT 32.47

OWNER same

CEMENT

AMOUNT ORDERED 420 SKS Lite

1/4 # flo seal

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
<u>Lite 420 SKS</u>	@	<u>14.04</u>	<u>5896.80</u>
<u>flo-seal 105 #</u>	@	<u>2.50</u>	<u>262.50</u>
	@		
	@		
	@		
	@		
HANDLING <u>420 SKS</u>	@	<u>2.40</u>	<u>1008.00</u>
MILEAGE <u>104 SK into</u>			<u>1850.00</u>
TOTAL			<u>8217.30</u>

EQUIPMENT

PUMP TRUCK # 431 CEMENTER harlene / Andrew  
HELPER Darren

BULK TRUCK # 394/287 DRIVER Earl

BULK TRUCK # ~~431~~ DRIVER ~~Earl~~

REMARKS:

plug rat hole - 30 SKS

plug mouse hole - 20 SKS

mix 370 SKS Lite - release plug

displace water - 32.47 bbl

plug landed 1500 # pressure

wash pump & lines clean

cement did circulate

Frank Post

CHARGE TO: Lario Oil & Gas

STREET Box 1093

CITY Garden City STATE KS ZIP 67846

SERVICE

DEPTH OF JOB 2284

PUMP TRUCK CHARGE NC

EXTRA FOOTAGE @

MILEAGE 2.5 miles @ 7.00 NC

MANIFOLD @

TOTAL \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

Bid work

8217.30 TOTAL \_\_\_\_\_

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

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

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

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 AFE 11-094



PO BOX 31 Russell, KS 67665

# INVOICE

Invoice Number: 126871

Invoice Date: Apr 12, 2011

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

**Bill To:**

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

Federal Tax I.D.#: 20-5975804

Drilling AFE 11-06  
4-24-11 LK

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	KansasFeedYards#1-21	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Apr 12, 2011	5/12/11

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	ASC Class A	18.60	2,790.00
750.00	MAT	Gilsonite	0.89	667.50
500.00	MAT	WFR-2	1.27	635.00
150.00	SER	Handling	2.40	360.00
25.00	SER	Mileage 150 sx @.10 per sk per mi	15.00	375.00
1.00	SER	Production - Bottom Stage	2,011.00	2,011.00
25.00	SER	Pump Truck Mileage	7.00	175.00
1.00	EQP	4.5 AFU Float Shoe	206.00	206.00
9.00	EQP	4.5 Turbolizers	39.00	351.00
1.00	EQP	4.5 Latch Down Plug	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
1.00	CEMENTER	Larene Wentz		
1.00	CEMENTER	Andrew Forslund		
1.00	OPER ASSIST	Darrin Racette		
1.00	OPER ASSIST	Earl Rebarchek		
1.00	OPER ASSIST	Jerry Yates		

OK TO PAY		
Acct	Expt	File
GC		
KP	APR 26	DB
HY		MM
PV		DM
OD		

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

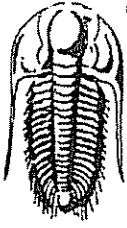
\$ 2416.10

ONLY IF PAID ON OR BEFORE  
May 7, 2011

Subtotal	12,080.50
Sales Tax	668.64
Total Invoice Amount	12,749.14
Payment/Credit Applied	
<b>TOTAL</b>	<b>12,749.14</b>







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil and Gas

Kansas Feed Yards

301 S. Market St.  
Wichita KS 67202

21/15/32/ Logan KS

ATTN: Tim Lauer

Job Ticket: 042170

DST#: 1

Test Start: 2011.04.06 @ 05:15:15

### GENERAL INFORMATION:

Formation: **Lansing** *D*

Deviated: No Whipstock ft (KB)

Time Tool Opened: 08:16:30

Time Test Ended: 12:33:00

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 3914.00 ft (KB) To 3942.00 ft (KB) (TVD)

Total Depth: ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2858.00 ft (KB)

2848.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6669 Outside

Press@RunDepth: 33.83 psig @ 3915.00 ft (KB)

Start Date: 2011.04.06

End Date:

2011.04.06

Start Time: 05:15:15

End Time:

12:33:00

Capacity: 8000.00 psig

Last Calib.: 2011.04.06

Time On Btm: 2011.04.06 @ 08:16:15

Time Off Btm: 2011.04.06 @ 10:47:45

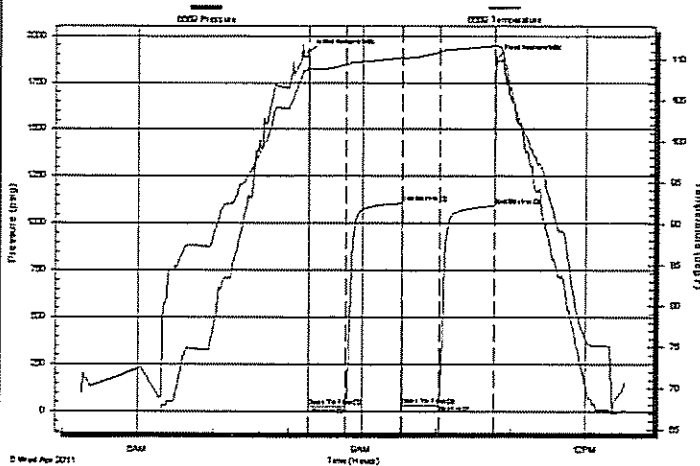
TEST COMMENT: IF: Built to weak surface blow then died in 15 minutes

IS: No return blow

FF: No blow

FS: No return blow

Pressure vs. Time



### PRESSURE SUMMARY

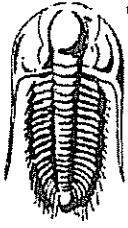
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1911.17	109.20	Initial Hydro-static
1	28.40	108.87	Open To Flow (1)
31	26.59	109.33	Shut-In(1)
76	1107.99	110.25	End Shut-In(1)
77	32.04	110.02	Open To Flow (2)
106	33.83	110.84	Shut-In(2)
151	1093.56	111.67	End Shut-In(2)
152	1881.61	111.72	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
30.00	m 100%	0.15

### Gas Rates

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



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil and Gas

Kansas Feed Yards

301 S. Market St.  
Wichita KS 67202

21/15/32/ Logan KS

Job Ticket: 042170

DST#: 1

ATTN: Tim Lauer

Test Start: 2011.04.06 @ 05:15:15

## 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: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.20 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
30.00	m 100%	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

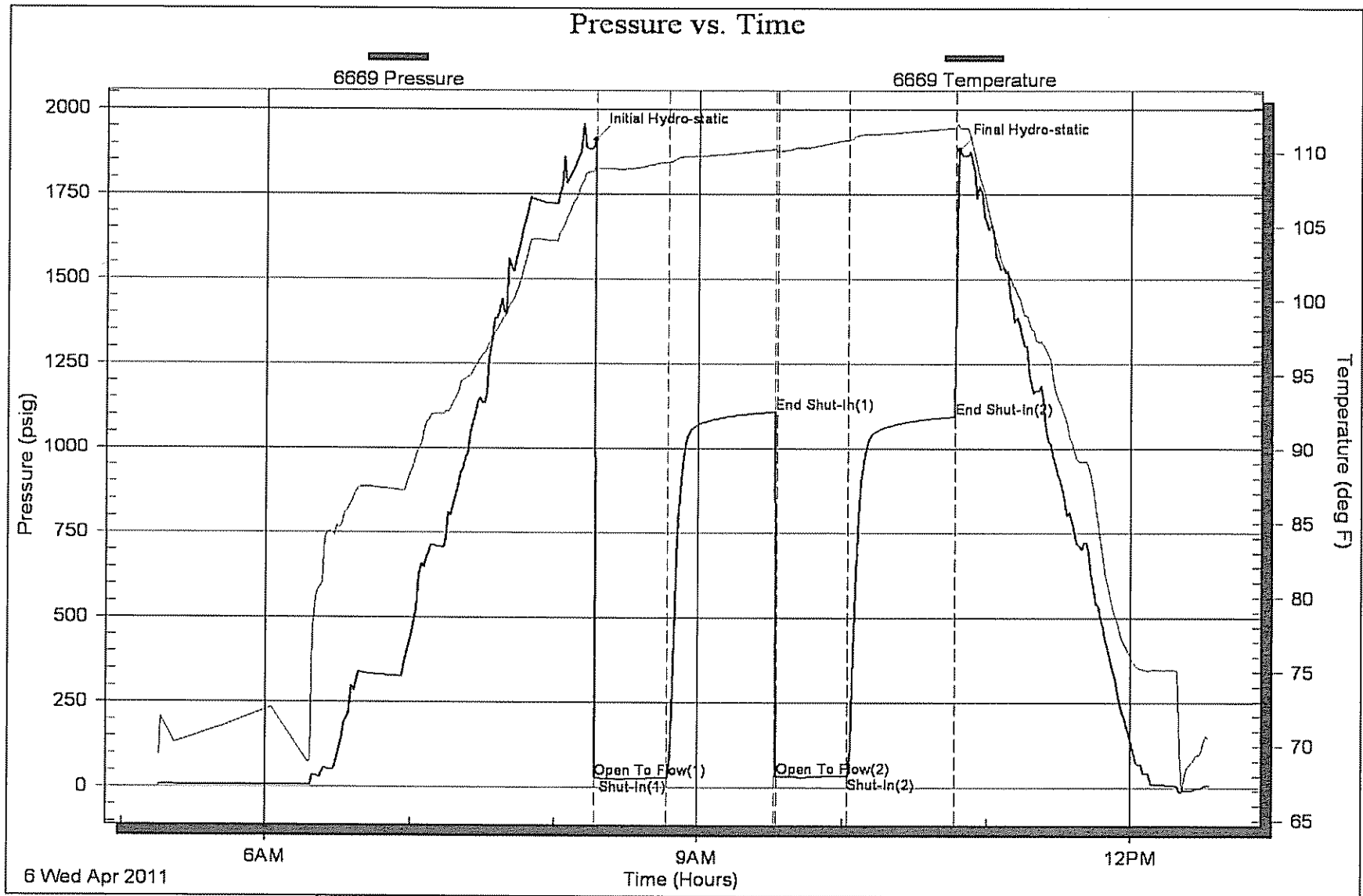
Num Gas Bombs: 0

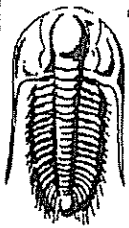
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil and Gas

301 S. Market St.  
Wichita KS 67202

ATTN: Tim Lauer

**Kansas Feed Yards**

**21/15/32/ Logan KS**

Job Ticket: 042171

DST#: 2

Test Start: 2011.04.07 @ 15:43:15

## GENERAL INFORMATION:

Formation: **Lansing**

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

Time Tool Opened: 18:20:45

Time Test Ended: 00:49:45

Test Type: **Conventional Bottom Hole**

Tester: **Mike Roberts**

Unit No: **48**

Interval: **4173.00 ft (KB) To 4190.00 ft (KB) (TVD)**

Total Depth: **4190.00 ft (KB) (TVD)**

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

Reference Elevations: **2858.00 ft (KB)**

**2848.00 ft (CF)**

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

Serial #: **6669**

**Outside**

Press@RunDepth: **858.94 psig @ 4174.00 ft (KB)**

Start Date: **2011.04.07**

End Date:

**2011.04.08**

Start Time: **15:43:15**

End Time:

**00:49:45**

Capacity: **8000.00 psig**

Last Calib.: **2011.04.08**

Time On Btrm: **2011.04.07 @ 18:19:15**

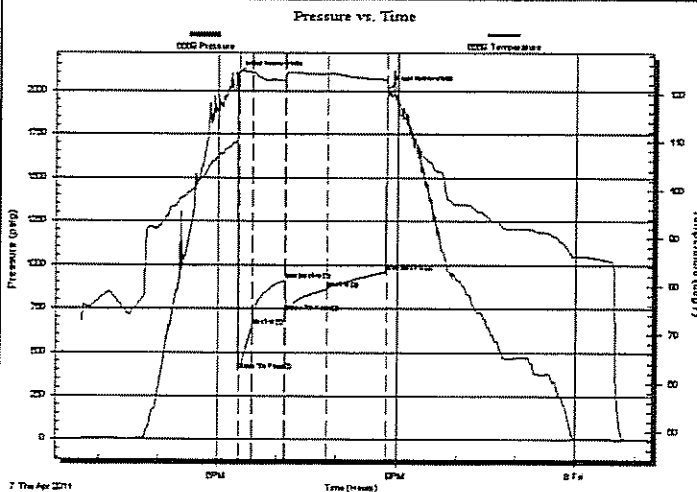
Time Off Btrm: **2011.04.07 @ 20:51:00**

TEST COMMENT: **IF:BOB in 30 sec.**

**IS:No return blow**

**FF:BOB in 2 min.**

**FS:No return blow**



## PRESSURE SUMMARY

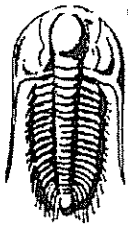
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2093.49	110.55	Initial Hydro-static
2	393.63	124.26	Open To Flow (1)
16	645.62	124.48	Shut-In(1)
49	910.20	122.67	End Shut-In(1)
50	730.43	124.06	Open To Flow (2)
91	858.94	124.16	Shut-In(2)
151	959.08	123.09	End Shut-In(2)
152	2010.40	120.28	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	free oil	1.74
372.00	gcow m 5%g 20%o 35%w 40%m	5.22
124.00	gcmow 5%g 5%m 20%o 70%w	1.74
1736.00	sw 100% w	24.35

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil and Gas

Kansas Feed Yards

301 S. Market St.  
Wichita KS 67202

21/15/32/ Logan KS

ATTN: Tim Lauer

Job Ticket: 042171

DST#: 2

Test Start: 2011.04.07 @ 15:43:15

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

18000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.18 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 bbf
124.00	free oil	1.739
372.00	gcow m 5%g 20%o 35%w 40%m	5.218
124.00	gcmow 5%g 5%m 20%o 70%w	1.739
1736.00	sw 100% w	24.352

Total Length: 2356.00 ft      Total Volume: 33.048 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

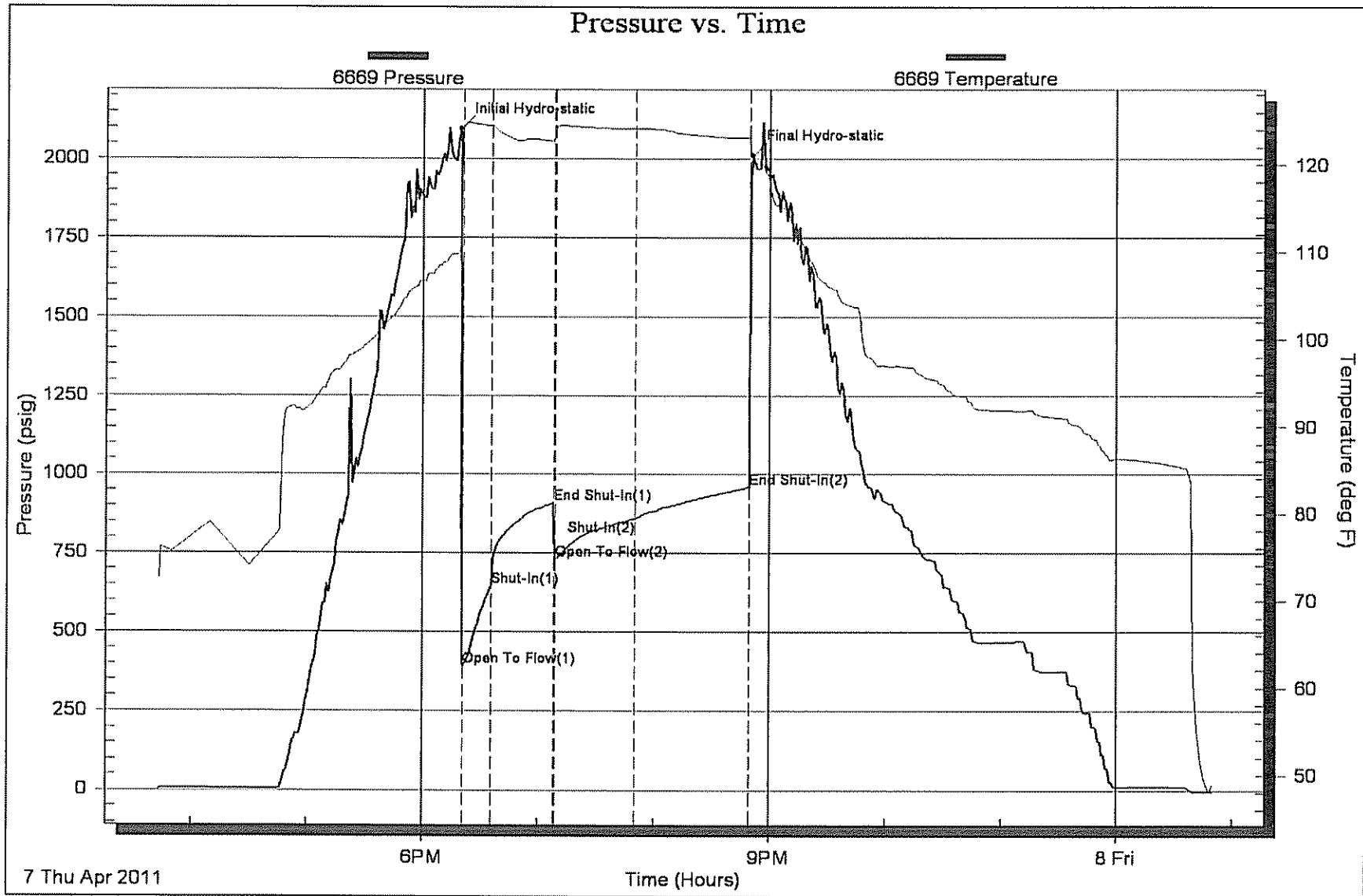
Serial #:

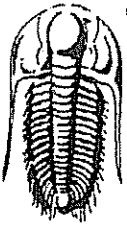
Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .54@50.2\*=18,000 ppm

AP= 34 @60\*





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

**Kansas Feed Yards**  
**21/15/32/ Logan KS**  
Job Ticket: 042172      DST#: 3  
Test Start: 2011.04.08 @ 21:15:15

## GENERAL INFORMATION:

Formation: **Pawnee**  
Deviated: **No Whipstock**      ft (KB)  
Time Tool Opened: 23:21:15  
Time Test Ended: 04:50:30

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

Interval: **4266.00 ft (KB) To 4340.00 ft (KB) (TVD)**  
Total Depth: **4340.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

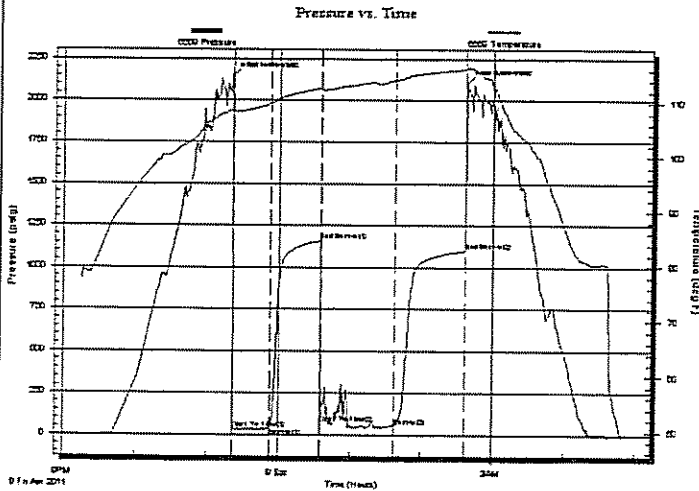
Reference Elevations: **2858.00 ft (KB)**  
**2848.00 ft (CF)**  
KB to GR/CF: **10.00 ft**

Serial #: **6669**      **Outside**

Press@RunDepth: **53.17 psig @ 4335.00 ft (KB)**  
Start Date: **2011.04.08**      End Date: **2011.04.09**  
Start Time: **21:15:15**      End Time: **04:50:30**

Capacity: **8000.00 psig**  
Last Calib.: **2011.04.09**  
Time On Btm: **2011.04.08 @ 23:20:45**  
Time Off Btm: **2011.04.09 @ 02:37:30**

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	2147.87	108.96	Initial Hydro-static
1	34.01	108.50	Open To Flow (1)
32	37.00	109.94	Shut-in(1)
74	1156.34	112.70	End Shut-in(1)
75	69.94	112.40	Open To Flow (2)
136	53.17	114.18	Shut-in(2)
196	1098.80	116.19	End Shut-in(2)
197	2104.55	116.53	Final Hydro-static

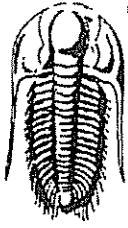
## Recovery

Length (ft)	Description	Volume (bbl)
62.00	mud w ith oil spots	0.87

## Gas Rates

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





**TRILOBITE**  
TESTING, INC

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

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

**Kansas Feed Yards**  
**21/15/32/ Logan KS**  
Job Ticket: 042172      DST#: 3  
Test Start: 2011.04.08 @ 21:15:15

**Mud and Cushion Information**

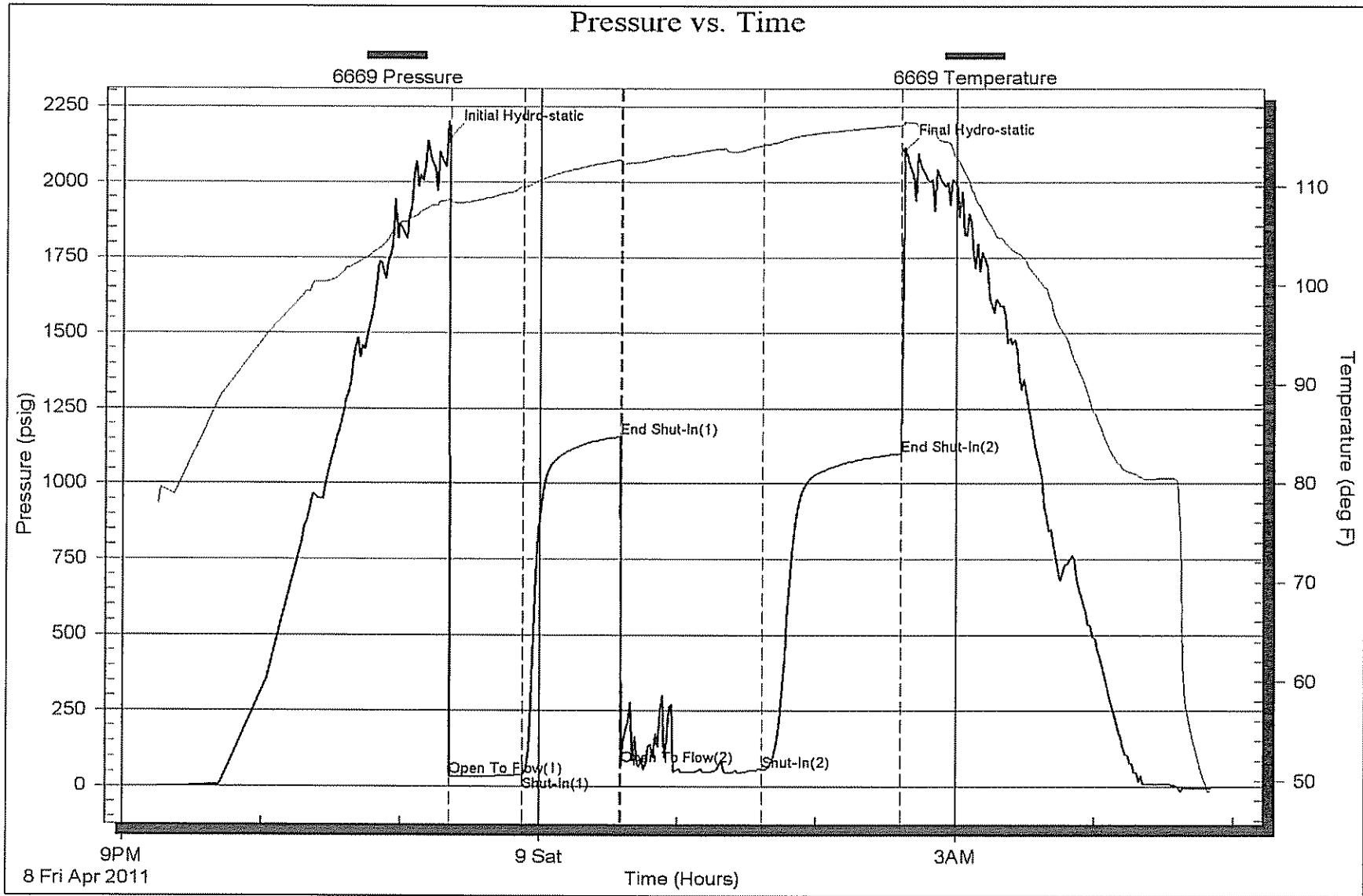
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2900.00 ppm			
Filter Cake: 1.00 inches			

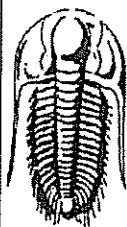
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
62.00	mud with oil spots	0.870

Total Length: 62.00 ft      Total Volume: 0.870 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 and Gas

301 S. Market St.  
Wichita KS 67202

ATTN: Tim Lauer

Kansas Feed Yards

21/15/32/ Logan KS

Job Ticket: 042173

DST#: 4

Test Start: 2011.04.09 @ 21:18:15

### GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 23:22:00

Time Test Ended: 03:56:30

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 4370.00 ft (KB) To 4420.00 ft (KB) (TVD)

Total Depth: 4420.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2858.00 ft (KB)

2848.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6669 Outside

Press@RunDepth: 46.15 psig @ 4408.00 ft (KB)

Start Date: 2011.04.09

End Date:

2011.04.10

Start Time: 21:18:15

End Time:

03:56:30

Capacity: 8000.00 psig

Last Calib.: 2011.04.10

Time On Btrr: 2011.04.09 @ 23:21:45

Time Off Btrr: 2011.04.10 @ 01:53:30

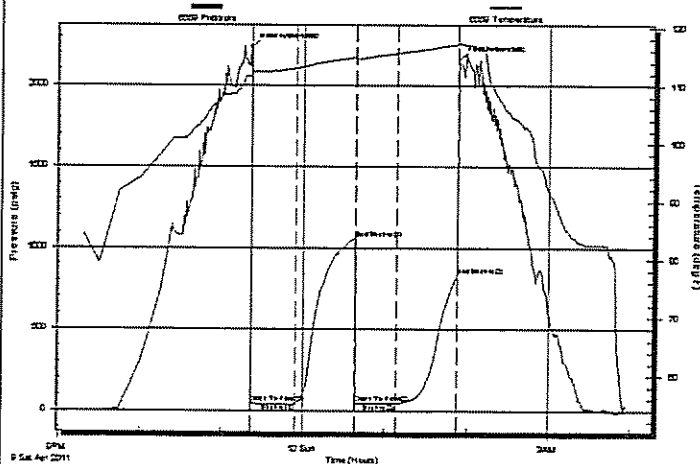
TEST COMMENT: IF: Built to weak surface blow

IS: No return blow

FF: No blow

FS: No return blow

Pressure vs. Time



### PRESSURE SUMMARY

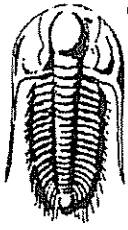
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2237.64	112.34	Initial Hydro-static
1	47.21	111.68	Open To Flow (1)
33	43.77	113.05	Shut-in(1)
77	1058.46	114.97	End Shut-in(1)
77	47.08	114.74	Open To Flow (2)
107	46.15	115.68	Shut-in(2)
151	833.40	117.19	End Shut-in(2)
152	2160.68	117.43	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
2.00	free oil	0.03
30.00	m 100%	0.42

### Gas Rates

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



**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil and Gas

Kansas Feed Yards

301 S. Market St.  
Wichita KS 67202

21/15/32/ Logan KS

ATTN: Tim Lauer

Job Ticket: 042173

DST#: 4

Test Start: 2011.04.09 @ 21:18:15

### 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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.38 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
2.00	free oil	0.028
30.00	m 100%	0.421

Total Length: 32.00 ft      Total Volume: 0.449 bbl

Num Fluid Samples: 0

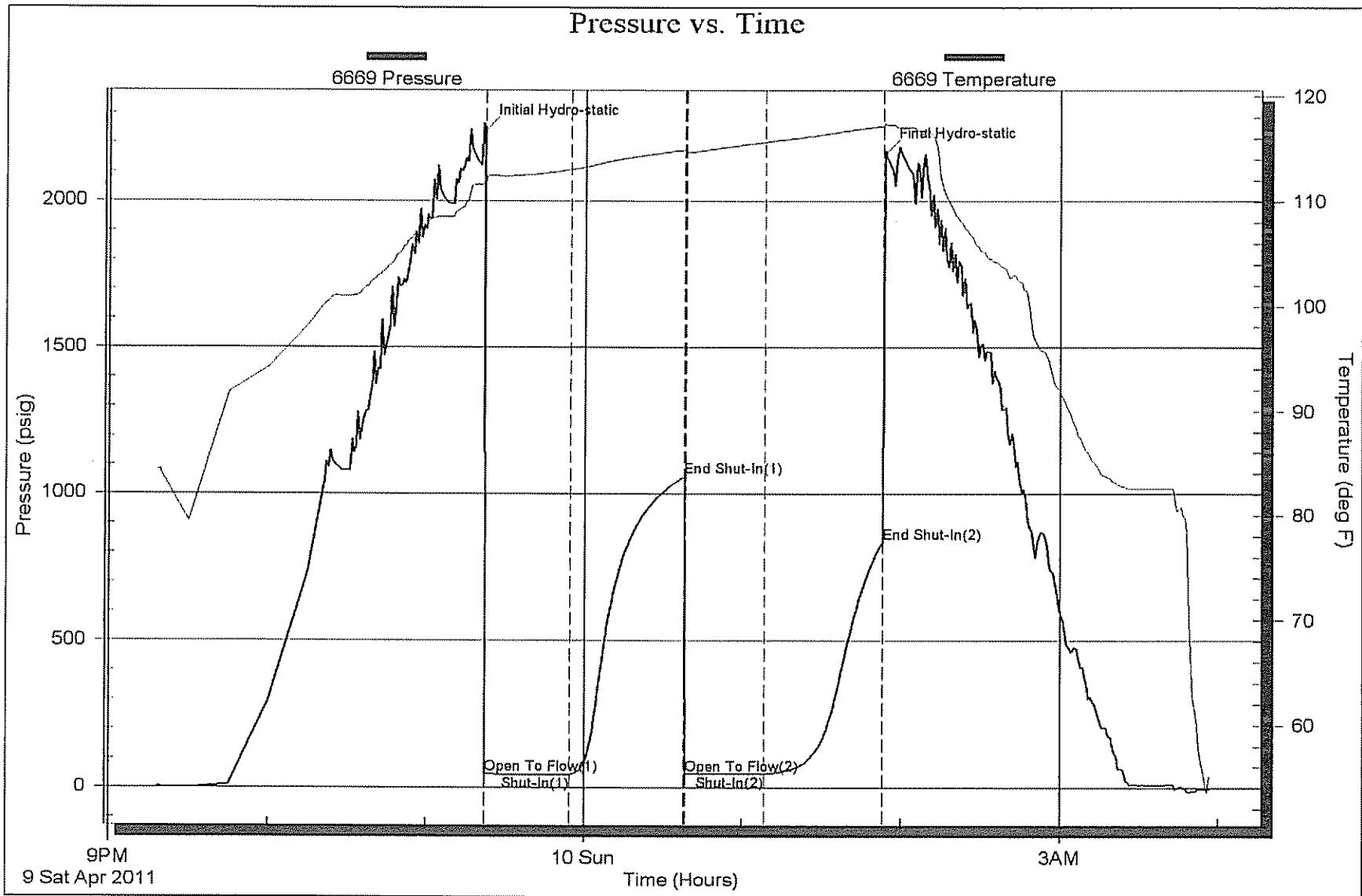
Num Gas Bombs: 0

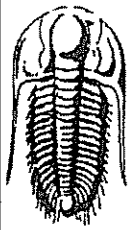
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

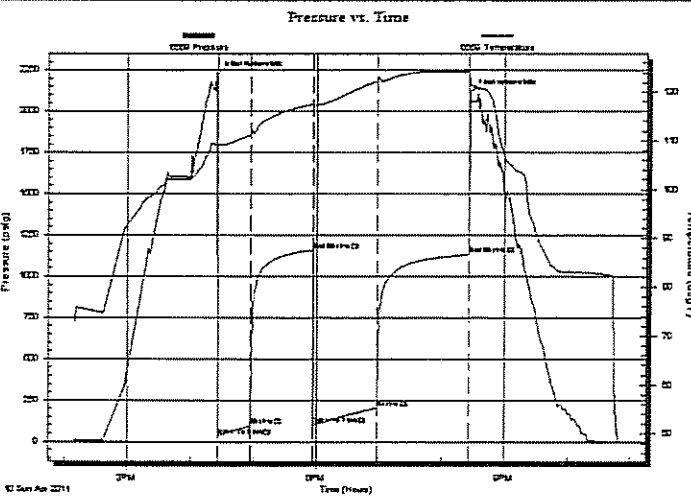
**Kansas Feed Yards**  
21/15/32/ Logan KS  
Job Ticket: 042174      DST#: 5  
Test Start: 2011.04.10 @ 14:10:15

## GENERAL INFORMATION:

Formation: **Johnson-Morrow**  
 Deviated: No Whipstock      ft (KB)  
 Time Tool Opened: 16:25:30  
 Time Test Ended: 22:50:00  
 Interval: **4422.00 ft (KB) To 4465.00 ft (KB) (TVD)**  
 Total Depth: **4465.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Mike Roberts  
 Unit No: 48  
 Reference Elevations: 2858.00 ft (KB)  
 2848.00 ft (CF)  
 KB to GR/CF: 10.00 ft

Serial #: **6669**      Outside  
 Press@RunDepth: 203.55 psig @ 4460.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2011.04.10      End Date: 2011.04.10      Last Calib.: 2011.04.10  
 Start Time: 14:10:15      End Time: 22:50:00      Time On Btrr: 2011.04.10 @ 16:25:15  
 Time Off Btrr: 2011.04.10 @ 20:27:15

TEST COMMENT: F:BOB in 18 min.  
 IS:Return blow built to 1"  
 FF:BOB in 25 min.  
 FS:Return blow built to 2 1/2"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2223.40	109.62	Initial Hydro-static
1	35.13	109.23	Open To Flow (1)
32	94.45	111.26	Shut-In(1)
92	1158.75	117.45	End Shut-In(1)
92	103.48	117.17	Open To Flow (2)
153	203.55	122.31	Shut-In(2)
241	1134.19	124.09	End Shut-In(2)
242	2114.23	122.24	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP= 280 feet	0.00
31.00	free oil 100%o	0.43
62.00	gcmo 10%g 15%m 75%o	0.87
124.00	gow m 10%g 10%o 30%w 50%m	1.74
124.00	gow m 10%g 10%o 40%w 40%m	1.74
62.00	gornw 5%g 10%o 20%m 65%w	0.87

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil and Gas

Kansas Feed Yards

301 S. Market St.  
Wichita KS 67202

21/15/32/ Logan KS

ATTN: Tim Lauer

Job Ticket: 042174

DST#: 5

Test Start: 2011.04.10 @ 14:10:15

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 25 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 15000 ppm
Viscosity: 62.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.38 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
0.00	GIP= 280 feet	0.000
31.00	free oil 100%o	0.435
62.00	gcmo 10%g 15%m 75%o	0.870
124.00	gocw m 10%g 10%o 30%w 50%m	1.739
124.00	gow m 10%g 10%o 40%w 40%m	1.739
62.00	gomw 5%g 10%o 20%m 65%w	0.870

Total Length: 403.00 ft      Total Volume: 5.653 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: AP=26 @70 corrected to 25 @60

RW= .605@ 51.4\*=15,000 ppm

