



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1125506  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

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

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

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

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

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

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

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

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

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

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

Designate Type of Completion:

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

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

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

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

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

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

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

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

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

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

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

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

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

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

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

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

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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



1125506

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

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

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

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <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  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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*  
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*  
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

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

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

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Vance 1-32
Doc ID	1125506

All Electric Logs Run

MPD/MDN
MML
MSS
MAI/MFE

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Vance 1-32
Doc ID	1125506

Tops

Name	Top	Datum
Heebner	3986	-777
Lansing	4031	-822
Stark Shale	4340	-1131
Hushpuckney	4395	-1186
Base KC	4491	-1282
Marmaton	4522	-1313
Pawnee	4624	-1415
Ft. Scott	4644	-1435
Johnson	4755	-1546
Morrow	4869	-1660
Basal Penn	4960	-1751
Mississippian	4971	-1762
St. Louis	5009	-1800

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



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

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

April 16, 2013

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

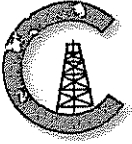
Re: ACO1  
API 15-203-20212-00-00  
Vance 1-32  
SW/4 Sec.32-19S-35W  
Wichita County, Kansas

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



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

**MAIN OFFICE**  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE Invoice # 257810  
 Invoice Date: 04/09/2013 Terms: 10/10/30,n/30 Page 1

LARIO OIL & GAS  
P.O. BOX 1093  
GARDEN CITY KS 637846  
(316)265-5611

VANCE 1-32  
39367  
32-19-35  
04-03-2013  
KS

*drilling*  
AFE 13-072  
4-11-13 LK

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	250.00	15.1000	3775.00
1118B	PREMIUM GEL / BENTONITE	860.00	.2500	215.00
1107	FLO-SEAL (25#)	63.00	2.8200	177.66
Sublet Performed Description				Total
9996-130	CEMENT MATERIAL DISCOUNT			-416.77
9995-130	CEMENT EQUIPMENT DISCOUNT			-236.18
	Description	Hours	Unit Price	Total
463	<u>P &amp; A NEW WELL,</u>	1.00	1325.00	1325.00
463	EQUIPMENT MILEAGE (ONE WAY)	45.00	5.00	225.00
693	TON MILEAGE DELIVERY	1.00	811.80	811.80

*xe*

Amount Due 6875.39 if paid after 05/09/2013

Parts:	4167.66	Freight:	.00	Tax:	311.34	AR	6187.85
Labor:	.00	Misc:	.00	Total:	6187.85		
Sublt:	-652.95	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_ Date \_\_\_\_\_

BARTLESVILLE, OK 918/338-0808   
 EL DORADO, KS 316/322-7022   
 EUREKA, KS 620/583-7664   
 PONCA CITY, OK 580/762-2303   
 OAKLEY, KS 785/672-8822   
 OTTAWA, KS 785/242-4044   
 THAYER, KS 620/839-5269   
 GILLETTE, WY 307/686-4914   
 CUSHING, OK 918/225-2650



**CONSOLIDATED**  
Oil Well Services, LLC

257810

TICKET NUMBER 39367

LOCATION Oshtey KS

FOREMAN Fuzzy

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-3-13	4793	U & Wce 1-32	32	19	35W	Wichita
CUSTOMER Lario Oil & Gas			COUNTY <u>KS</u>			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			463	Travis W		
STATE			693	Jordan L		
ZIP CODE						

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 5250' CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4 1/2 TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.1 SLURRY VOL 1.42 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on Val #7 Run up and plug as ordered

50 SKS @ 2340'  
80 SKS @ 1230'  
50 SKS @ 380'  
20 SKS @ 60'  
20 SKS MH  
30 SKS RH

250 SKS 60/40 pos 4 1/2" ood 1 1/2" closed

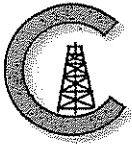
Thanks Fuzzy + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
540520	1	PUMP CHARGE	1325.00	1325.00
5406	45	MILEAGE	5.00	225.00
5407A	10.8600	Tow mileage Delivery	1.67	811.80
1131	250 SKS	60/40 pos	1.510	3775.00
118B	860 #	Bendowite	.25	215.00
1107	63 #	Flo Seal	2.82	177.66
		subtotal		6529.46
		less 1090		652.95
		subtotal		5876.51
		SALES TAX		311.34
		ESTIMATED TOTAL		6187.85

Ravin 3737

AUTHORIZATION Daniel Trujillo TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 257479

Invoice Date: 03/20/2013 Terms: 15/15/30,n/30 Page 1

LARIO OIL & GAS  
P.O. BOX 1093  
GARDEN CITY KS 637846  
(316)265-5611

VANCE 1-32  
39454  
32-19-35  
03-19-2013  
KS

Drilling  
AFF-13-072  
CK 3/25/13

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	250.00	17.6500	4412.50
1102	CALCIUM CHLORIDE (50#)	705.00	.8900	627.45
1118B	PREMIUM GEL / BENTONITE	470.00	.2500	117.50

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-773.62
9995-130	CEMENT EQUIPMENT DISCOUNT	-329.54

Description	Hours	Unit Price	Total
463 CEMENT PUMP (SURFACE)	1.00	1085.00	1085.00
463 EQUIPMENT MILEAGE (ONE WAY)	45.00	5.00	225.00
466 TON MILEAGE DELIVERY	1.00	886.95	886.95

*Surface Out*  
*all fe*

Amount Due 7782.47 if paid after 04/19/2013

Parts:	5157.45	Freight:	.00	Tax:	363.86	AR	6615.10
Labor:	.00	Misc:	.00	Total:	6615.10		
Sublt:	-1103.16	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_ Date \_\_\_\_\_







**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Company  
 301 S Market ST  
 Wichita KS, 67202 - 3805  
 ATTN: Steve Davis

32-19s-35w Wichita Co. KS

Vance #1-32

Job Ticket: 49968

DST#: 1

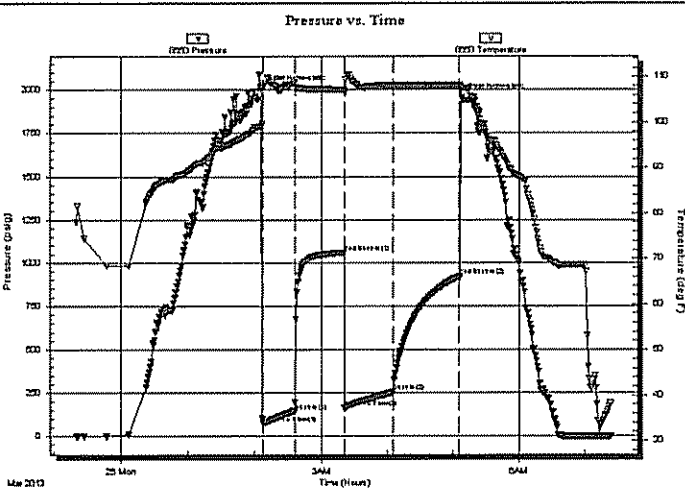
Test Start: 2013.03.24 @ 23:20:00

### GENERAL INFORMATION:

Formation: **Lansing "D"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 02:07:15  
 Time Test Ended: 07:23:15  
 Interval: **4102.00 ft (KB) To 4139.00 ft (KB) (TVD)**  
 Total Depth: **4139.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jace McKinney  
 Unit No: 46  
 Reference Elevations: 3210.00 ft (KB)  
 3199.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8650** Outside  
 Press@RunDepth: 253.66 psig @ 4103.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.03.24 End Date: 2013.03.25 Last Calib.: 2013.03.25  
 Start Time: 23:20:15 End Time: 07:23:15 Time On Btm: 2013.03.25 @ 02:05:45  
 Time Off Btm: 2013.03.25 @ 05:08:00

TEST COMMENT: B.O.B. in 2 1/2 min.  
 Bled off for 5 min. No return blow  
 B.O.B. in 10 min.  
 Bled off for 5 min. No return blow



### PRESSURE SUMMARY

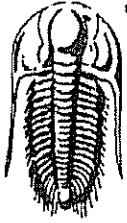
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2005.51	99.01	Initial Hydro-static
2	74.48	107.52	Open To Flow (1)
31	145.02	108.84	Shut-In(1)
75	1058.15	107.23	End Shut-In(1)
75	161.77	106.88	Open To Flow (2)
120	253.66	108.15	Shut-In(2)
181	920.79	108.11	End Shut-In(2)
183	1956.85	107.61	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
1.00	Clean Oil	0.01
153.00	mcw 50%M 50%W with oil scum	2.15
186.00	mcw 40%M 60%W	2.61
186.00	mcw 25%M 75%W	2.61

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Company  
301 S Market ST  
Wichita KS, 67202 - 3805  
ATTN: Steve Davis

32-19s-35w Wichita Co. KS  
Vance #1-32  
Job Ticket: 49968      DST#: 1  
Test Start: 2013.03.24 @ 23:20:00

**Mud and Cushion Information**

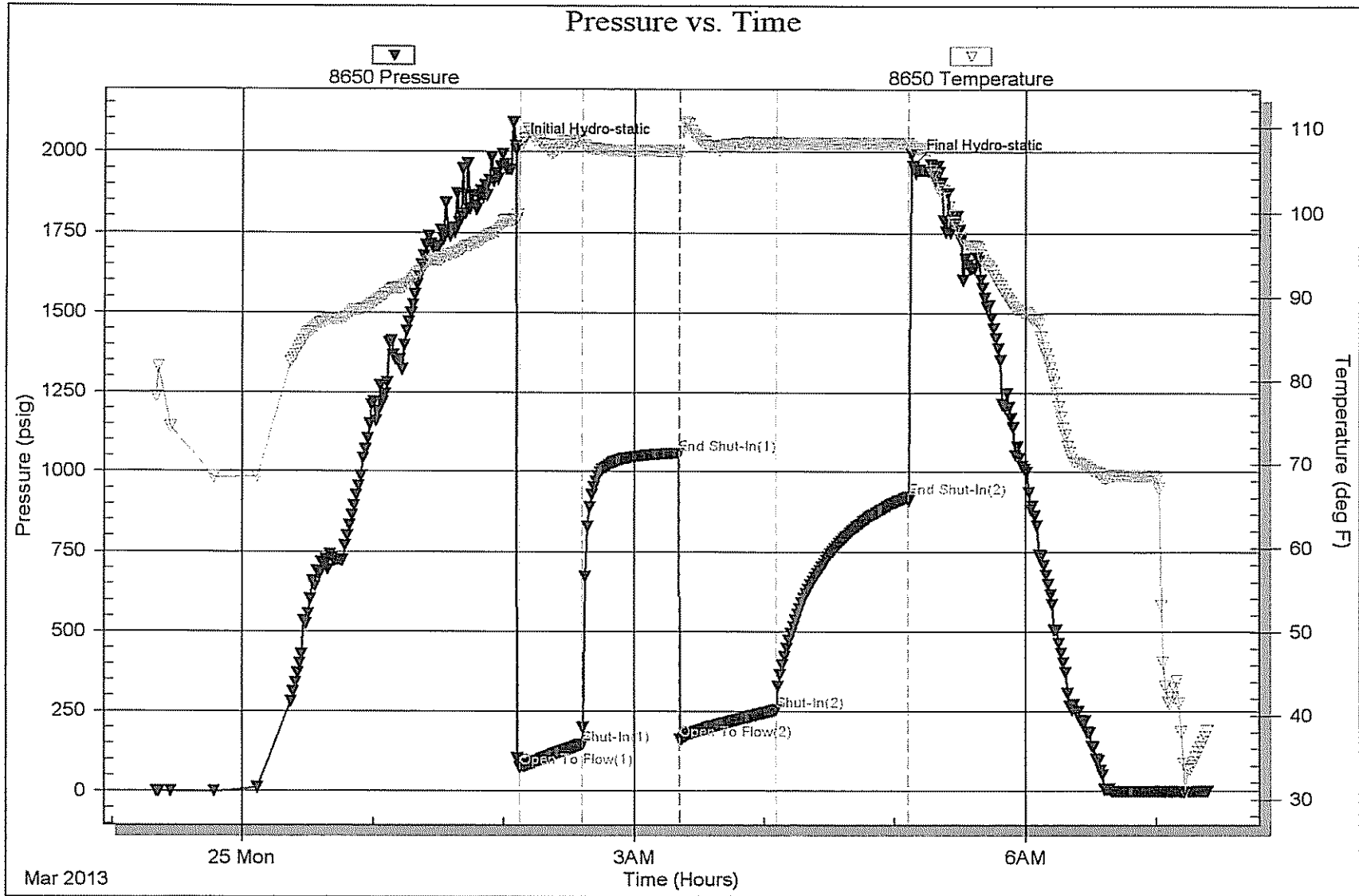
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7500.00 ppm			
Filter Cake: 1.00 inches			

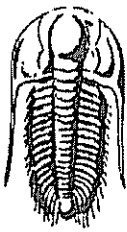
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
1.00	Clean Oil	0.014
153.00	mcw 50%M 50%W with oil scum	2.146
186.00	mcw 40%M 60%W	2.609
186.00	mcw 25%M 75%W	2.609

Total Length: 526.00 ft      Total Volume: 7.378 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: RW: .40 @ 15 F = 40,000





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Company

301 S Market ST  
Wichita KS, 67202 - 3805

ATTN: Steve Davis

32-19s-35w Wichita Co. KS

Vance #1-32

Job Ticket: 49969

DST#: 2

Test Start: 2013.03.26 @ 23:45:00

### GENERAL INFORMATION:

Formation: Marmaton "A"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:33:00

Time Test Ended: 06:21:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4510.00 ft (KB) To 4550.00 ft (KB) (TVD)

Total Depth: 4550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3210.00 ft (KB)

3199.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8675 Inside

Press@RunDepth: 20.99 psig @ 4511.00 ft (KB)

Start Date: 2013.03.26

End Date:

2013.03.27

Start Time: 23:45:15

End Time:

06:21:00

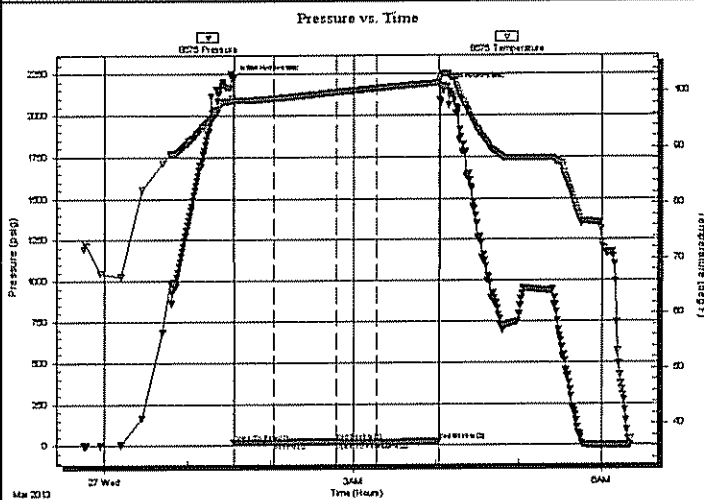
Capacity: 8000.00 psig

Last Calib.: 2013.03.27

Time On Btm: 2013.03.27 @ 01:32:45

Time Off Btm: 2013.03.27 @ 04:02:45

TEST COMMENT: Built to 1/2" blow  
No return blow  
No blow  
No return blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2221.67	98.82	Initial Hydro-static
1	19.60	98.00	Open To Flow (1)
30	20.73	98.77	Shut-In(1)
75	27.53	99.85	End Shut-In(1)
75	19.41	99.85	Open To Flow (2)
105	20.99	100.56	Shut-In(2)
150	24.75	101.55	End Shut-In(2)
150	2167.63	102.08	Final Hydro-static

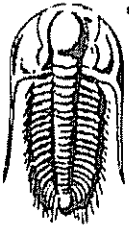
### Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud w ith few oil spots	0.07

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas Company

32-19s-35w Wichita Co. KS

301 S Market ST  
Wichita KS, 67202 - 3805

Vance #1-32

Job Ticket: 49969

DST#: 2

ATTN: Steve Davis

Test Start: 2013.03.26 @ 23:45:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud with few oil spots	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

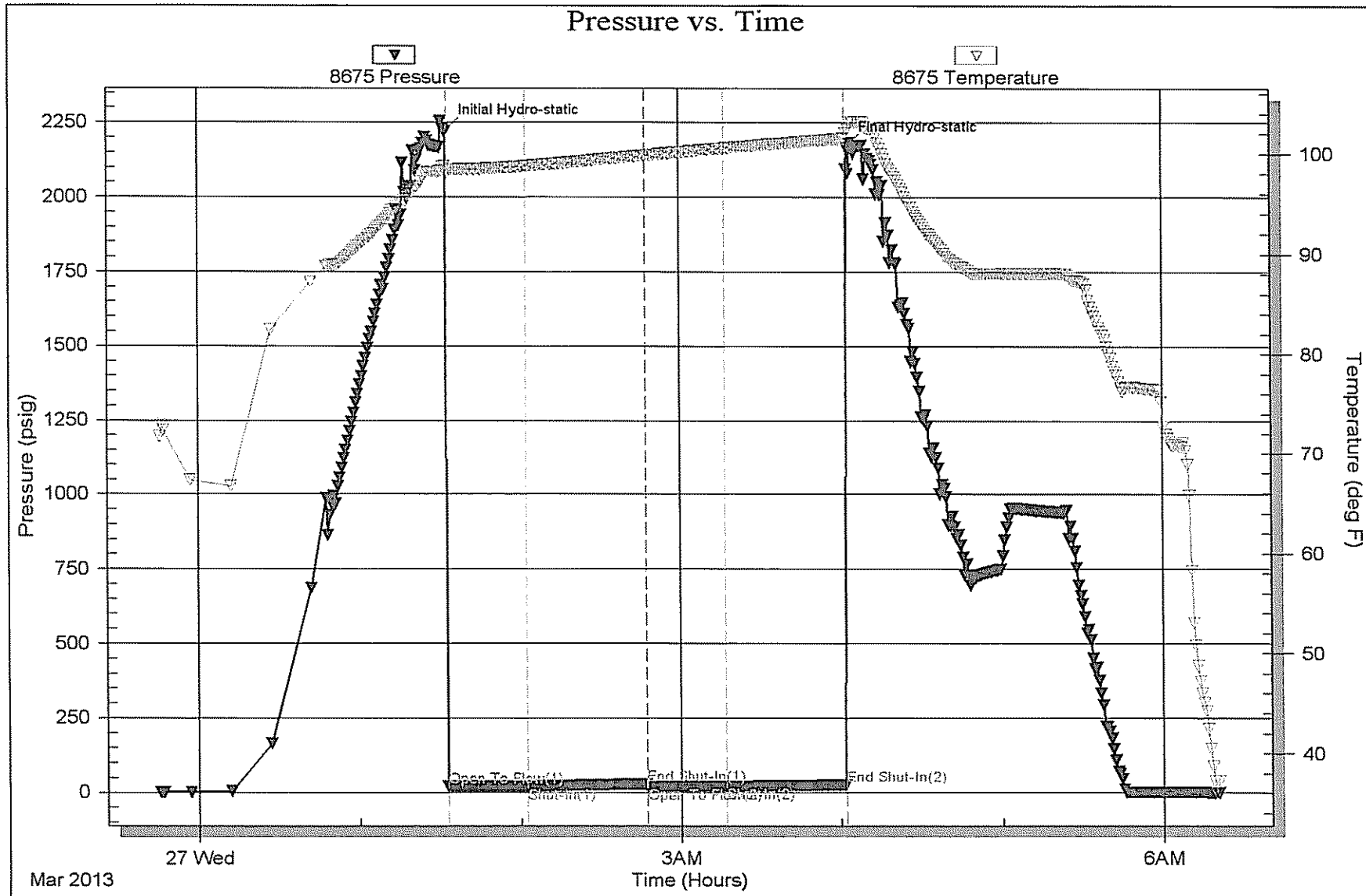
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Company

**32-19s-35w Wichita Co. KS**

301 S Market ST  
Wichita KS, 67202 - 3805

**Vance #1-32**

Job Ticket: 49970

DST#: 3

ATTN: Steve Davis

Test Start: 2013.03.28 @ 00:05:00

### GENERAL INFORMATION:

Formation: **Pawnee & Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:04:00

Time Test Ended: 06:39:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: **4604.00 ft (KB) To 4661.00 ft (KB) (TVD)**

Total Depth: 4661.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3210.00 ft (KB)

3199.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 8675**

Inside

Press@RunDepth: 28.79 psig @ 4605.00 ft (KB)

Start Date: 2013.03.28

End Date:

2013.03.28

Start Time: 00:05:15

End Time:

06:39:45

Capacity: 8000.00 psig

Last Calib.: 2013.03.28

Time On Btm: 2013.03.28 @ 02:03:30

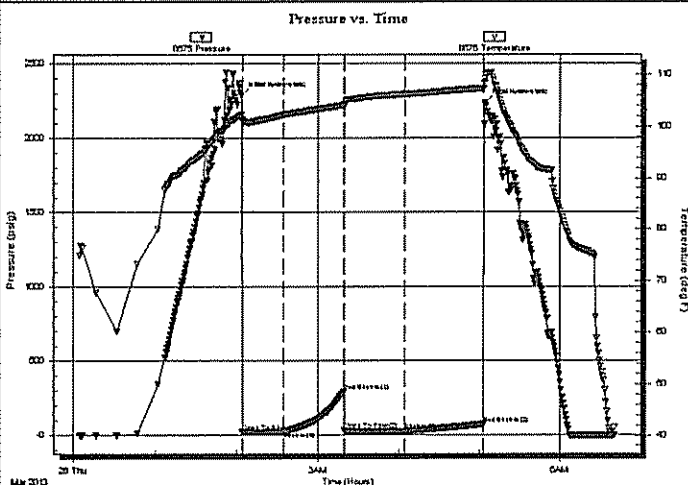
Time Off Btm: 2013.03.28 @ 05:04:00

TEST COMMENT: Built to 1 1/4" blow

No return blow

Built to 1/4" blow

No return blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2289.37	102.21	Initial Hydro-static
1	24.11	101.41	Open To Flow (1)
31	25.33	102.20	Shut-In(1)
76	293.54	104.07	End Shut-In(1)
76	32.14	103.87	Open To Flow (2)
121	28.79	106.22	Shut-In(2)
180	75.35	107.31	End Shut-In(2)
181	2236.12	109.15	Final Hydro-static

### Recovery

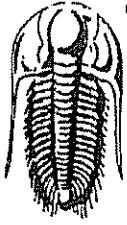
Length (ft)	Description	Volume (bbl)
15.00	100% Mud with oil scum	0.21

\* Recovery from multiple tests

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Company  
301 S Market ST  
Wichita KS, 67202 - 3805  
ATTN: Steve Davis

32-19s-35w Wichita Co. KS  
Vance #1-32  
Job Ticket: 49970      DST#: 3  
Test Start: 2013.03.28 @ 00:05:00

**Mud and Cushion Information**

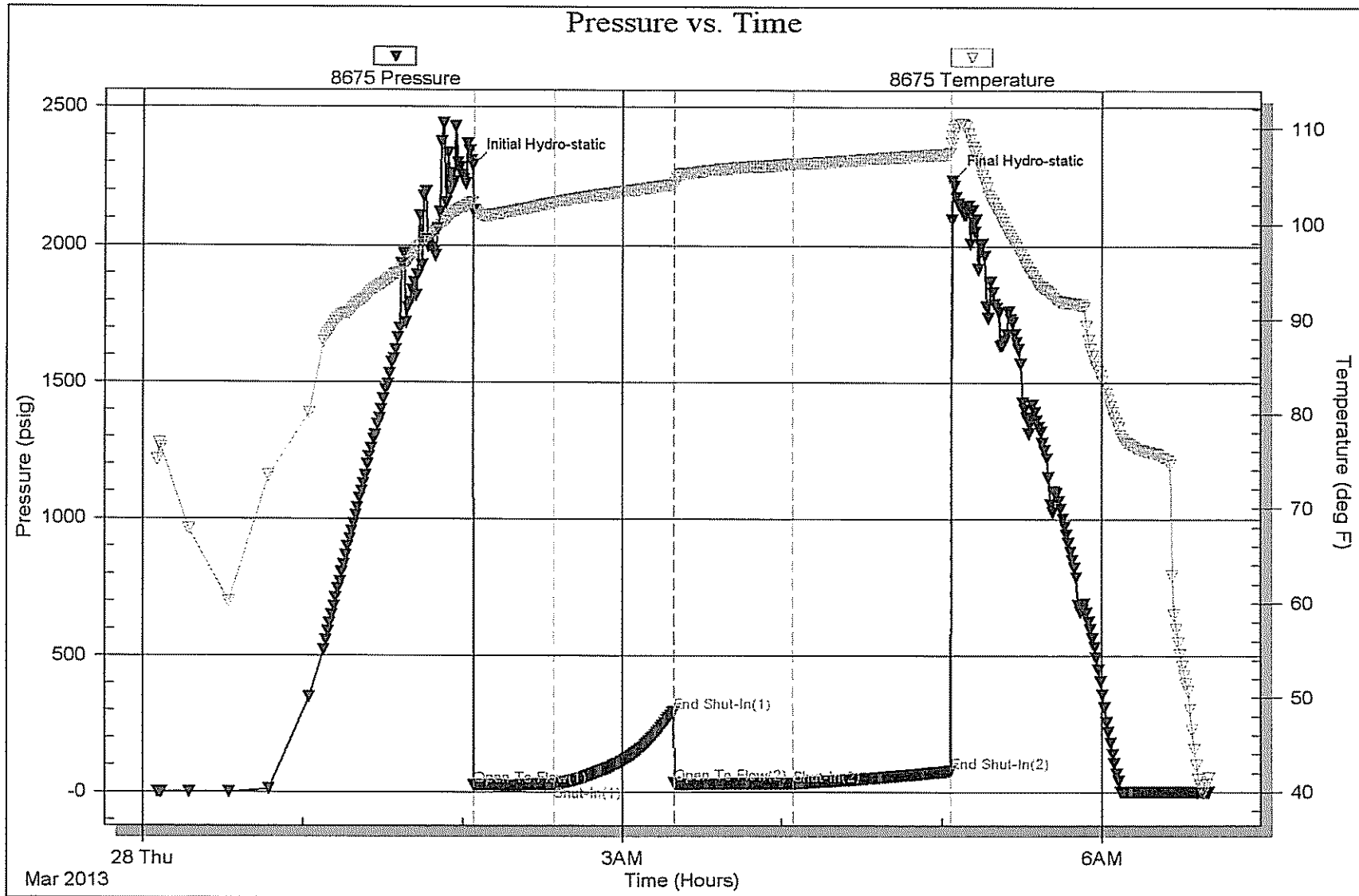
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7400.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
15.00	100% Mud with oil scum	0.210

Total Length: 15.00 ft      Total Volume: 0.210 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Company

32-19s-35w Wichita Co. KS

301 S Market ST  
Wichita KS, 67202 - 3805

Vance #1-32

Job Ticket: 49971

DST#: 4

ATTN: Steve Davis

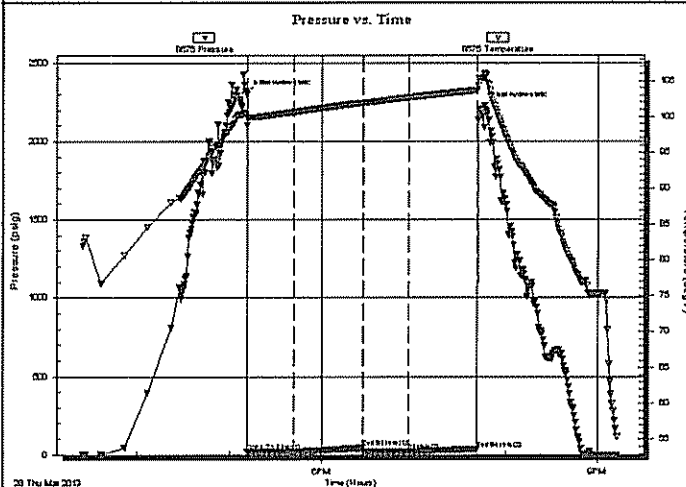
Test Start: 2013.03.28 @ 15:25:00

### GENERAL INFORMATION:

Formation: Cherokee Shale  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:11:15  
 Time Test Ended: 21:13:00  
 Interval: 4653.00 ft (KB) To 4684.00 ft (KB) (TVD)  
 Total Depth: 4684.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jace McKinney  
 Unit No: 46  
 Reference Elevations: 3210.00 ft (KB)  
 3199.00 ft (CF)  
 KB to GR/CF: 11.00 ft

Serial #: 8675 Inside  
 Press@RunDepth: 23.55 psig @ 4654.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.03.28 End Date: 2013.03.28 Last Calib.: 2013.03.28  
 Start Time: 15:25:15 End Time: 21:13:00 Time On Btm: 2013.03.28 @ 17:10:45  
 Time Off Btm: 2013.03.28 @ 19:45:45

TEST COMMENT: Built to 1/4" blow  
 No return blow  
 No blow  
 No return blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2304.99	100.35	Initial Hydro-static
1	20.64	98.77	Open To Flow (1)
31	22.38	100.65	Shut-In(1)
76	44.32	101.91	End Shut-In(1)
76	22.09	101.90	Open To Flow (2)
106	23.55	102.65	Shut-In(2)
151	35.42	103.64	End Shut-In(2)
155	2224.52	105.79	Final Hydro-static

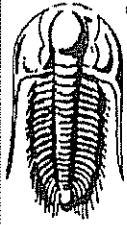
### Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.07

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Company  
301 S Market ST  
Wichita KS, 67202 - 3805  
ATTN: Steve Davis

**32-19s-35w Wichita Co. KS**  
**Vance #1-32**  
Job Ticket: 49971      DST#: 4  
Test Start: 2013.03.28 @ 15:25:00

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9400.00 ppm			
Filler Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

