



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1152631
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: _____



1152631

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

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

Drill Stem Tests Taken <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

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Nuss 2-24
Doc ID	1152631

Tops

Name	Top	Datum
Heebner	3765	-1005
Lansing	3804	-1044
Stark Shale	4050	-1290
Hushpuckney	4086	-1326
Base KC	4141	-1381
Marmaton	4192	-1432
Pawnee	4259	-1499
Ft. Scott	4290	-1530
Johnson	4381	-1621
Morrow	4410	-1650
Basal Penn	4440	-1680
Mississippian	4452	-1692

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

September 04, 2013

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

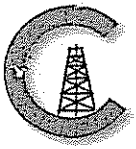
Re: ACO1
API 15-109-21192-00-00
Nuss 2-24
NE/4 Sec.24-14S-32W
Logan County, Kansas

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



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 # 260745

Invoice Date: 07/23/2013 Terms: 15/15/30,n/30

Page 1

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

NUSS 2-24
37987
24-14-32
07-23-2013
KS

Drilling
AFB-13-179
ek 7/26/13

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	160.00	18.5500	2968.00
1102	CALCIUM CHLORIDE (50#)	450.00	.9400	423.00
1118A	S-5 GEL/ BENTONITE (50#)	300.00	.2700	81.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-520.80
9995-130	CEMENT EQUIPMENT DISCOUNT	-244.88

Description	Hours	Unit Price	Total
463 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
463 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.25	52.50
693 MIN. BULK DELIVERY	1.00	430.00	430.00

Handwritten signature and initials

Amount Due 5370.11 if paid after 08/22/2013

Parts:	3472.00	Freight:	.00	Tax:	225.77	AR	4564.59
Labor:	.00	Misc:	.00	Total:	4564.59		
Sublt:	-765.68	Supplies:	.00	Change:	.00		

Signed _____

Date _____



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 # 261156

Invoice Date: 08/15/2013 Terms: 10/10/30,n/30 Page 1

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

NUSS 2-24
37991
24-14S-32W
08-01-2013
KS

drilling AFE 13 178
8-20-13 LK

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	220.00	15.8600	3489.20
1118B	PREMIUM GEL / BENTONITE	757.00	.2700	204.39
1107	FLO-SEAL (25#)	55.00	2.9700	163.35
4432	8 5/8" WOODEN PLUG	1.00	100.7500	100.75

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-395.77
9995-130	CEMENT EQUIPMENT DISCOUNT	-187.75

Description	Hours	Unit Price	Total
399 <u>P & A NEW WELL</u>	1.00	1395.00	1395.00
399 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.25	52.50
566 MIN. BULK DELIVERY	1.00	430.00	430.00

xc
Aug 21 2013
xc

Amount Due 6137.96 if paid after 09/14/2013

Parts:	3957.69	Freight:	.00	Tax:	272.49	AR	5524.16
Labor:	.00	Misc:	.00	Total:	5524.16		
Sublt:	-583.52	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

261156

TICKET NUMBER 37991
LOCATION Oakley, KS
FOREMAN Jerry Fuzzy

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

FIELD TICKET & TREATMENT REPORT
CEMENT

Kansas
COUNTY

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-1-13	4793	Nuss 2-24	24	145	32W	Logan
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Lario Oil & Gas			399	Dimm M		
MAILING ADDRESS			566	Daniel D		
CITY			assist	Daron R		
STATE			ZIP CODE			

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4550 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 TUBING _____ OTHER _____
 SLURRY WEIGHT 13.8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

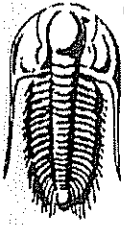
REMARKS: Safety meeting and rigup on #2 rig 2 plugs ordered with 220 sks 60/40 poz
4# bentonite and 1/4 # flo seal per sack
25 sks @ 2238
100 sks @ 1102
40 sks @ 273
10 sks @ 40' with wiper plug
15 sks mh 30 sks rh rig down in done
 Thank you Jerry Fuzzy & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5465N	1	PUMP CHARGE	1395.00	1395.00 ✓
5406	10	MILEAGE	5.25	52.50 ✓
5407	9.5	ton mileage delivery (minimum)	430.00	430.00 ✓
1131	220 sks	60/40 poz mix	15.86	3489.20 ✓
1118B	7.57 #	bentonite	.27	204.39 ✓
1107	55 #	flo seal	2.97	163.35 ✓
4432	1	8 5/8 wood plug	100.75	100.75 ✓
completed			subtotal	5835.19
			loss of disc	533.52 ✓
			subtotal	5251.67 ✓
			SALES TAX	272.49 ✓
			ESTIMATED TOTAL	5524.16 ✓

Flavin 3737

AUTHORIZATION Steven Craig TITLE TOOLPUSHER DATE 8-1-13

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.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil And Gas Company
 301 S Market St.
 Wichita KS
 67202
 ATTN: Steve Davis

24-14-32 Logan Co.KS

Nuss 2-24

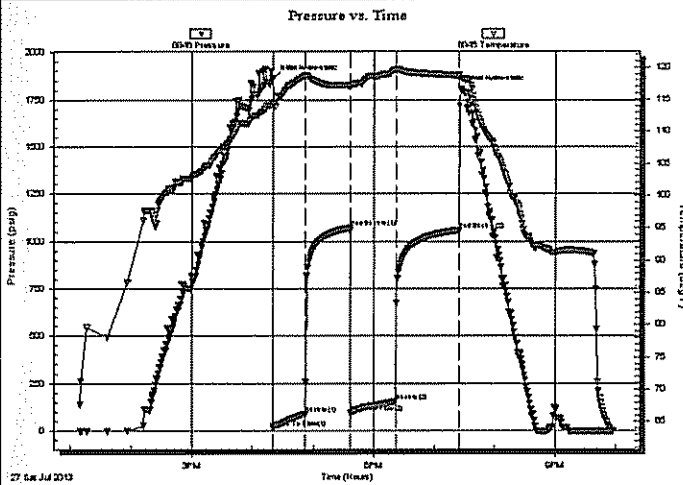
Job Ticket: 53141 DST#: 1
 Test Start: 2013.07.27 @ 13:10:15

GENERAL INFORMATION:

Formation: D
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:20:00
 Time Test Ended: 21:57:15
 Interval: 3864.00 ft (KB) To 3892.00 ft (KB) (TVD)
 Total Depth: 3892.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2762.00 ft (KB)
 2752.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8846 Outside
 Press@RunDepth: 153.64 psig @ 3865.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.07.27 End Date: 2013.07.27 Last Calib.: 2013.07.27
 Start Time: 13:10:15 End Time: 21:57:15 Time On Btm: 2013.07.27 @ 16:19:45
 Time Off Btm: 2013.07.27 @ 19:26:15

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1862.24	114.58	Initial Hydro-static
1	17.17	114.03	Open To Flow (1)
33	90.82	118.67	Shut-In(1)
77	1070.87	117.12	End Shut-In(1)
77	94.05	116.86	Open To Flow (2)
122	153.64	119.53	Shut-In(2)
185	1057.47	118.69	End Shut-In(2)
187	1805.65	118.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
241.00	sw 100% sw	1.19
62.00	w cm 10%w 90%m	0.87
5.00	ocmw 2%o 5%w 93%m	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil And Gas Company

24-14-32 Logan Co.KS

301 S Market St.
Wichita KS
67202

Nuss 2-24

Job Ticket: 53141

DST#: 1

ATTN: Steve Davis

Test Start: 2013.07.27 @ 13:10:15

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:

22000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in³

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
241.00	sw 100% sw	1.185
62.00	w cm 10%w 90%m	0.870
5.00	ocmw 2%o 5%w 93%m	0.070

Total Length: 308.00 ft Total Volume: 2.125 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

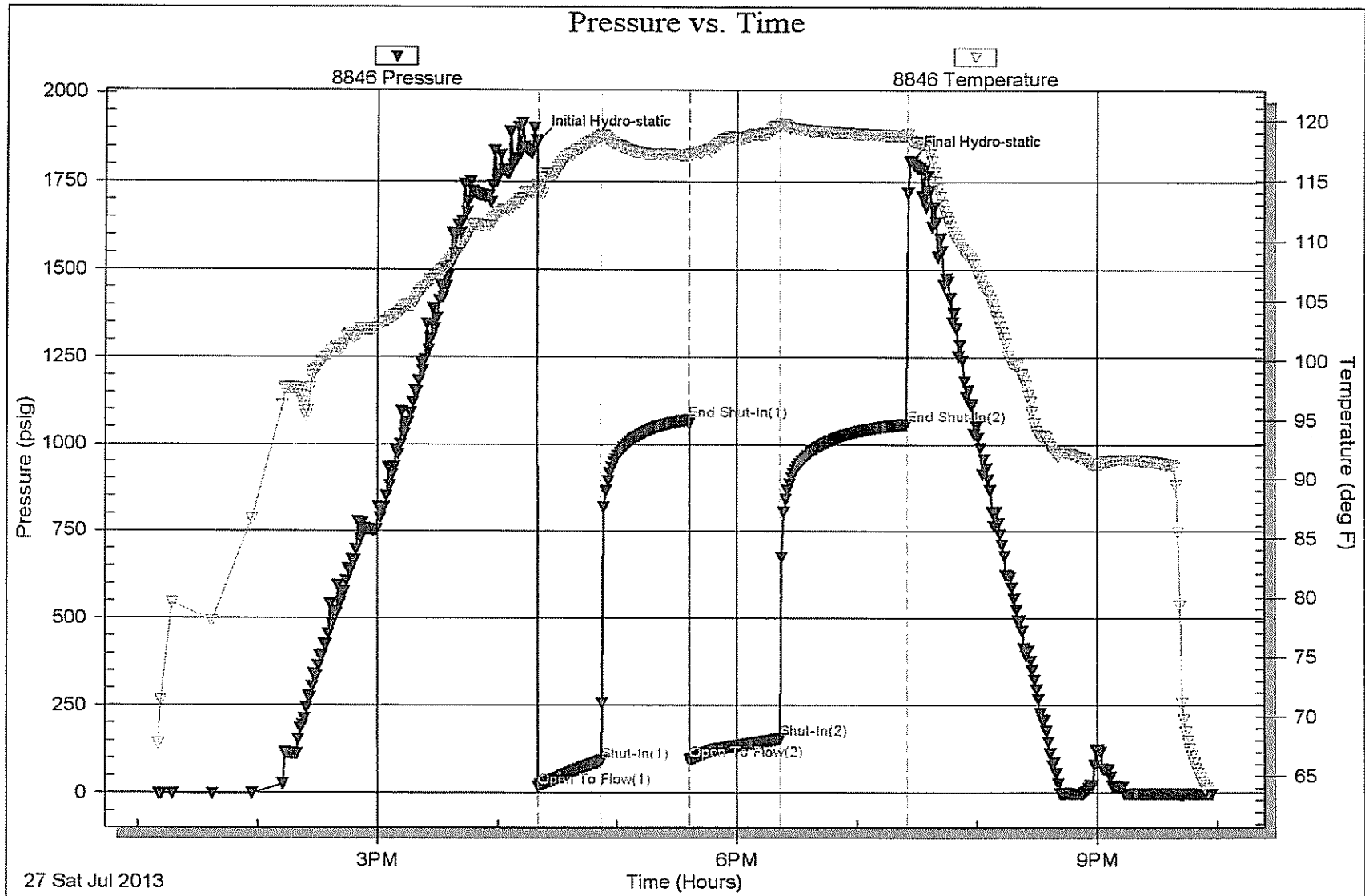
Recovery Comments: RW= 61.0 @ .345*=22,000 ppm

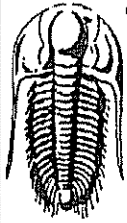
Serial #: 8846

Outside Lario Oil And Gas Company

Nuss 2-24

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil And Gas Company

24-14-32 Logan Co.KS

301 S Market St.
Wichita KS
67202
ATTN: Steve Davis

Nuss 2-24

Job Ticket: 53142

DST#: 2

Test Start: 2013.07.28 @ 13:17:23

GENERAL INFORMATION:

Formation: H-I

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:56:53

Time Test Ended: 20:09:53

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 3948.00 ft (KB) To 4012.00 ft (KB) (TVD)

Reference Elevations: 2762.00 ft (KB)

Total Depth: 4012.00 ft (KB) (TVD)

2752.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8846

Inside

Press@RunDepth: 36.98 psig @ 3949.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.28

End Date:

2013.07.28

Last Calib.: 2013.07.28

Start Time: 13:17:23

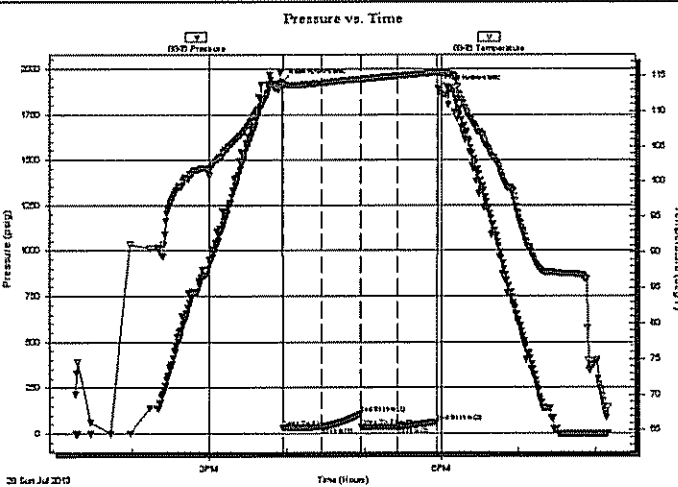
End Time:

20:09:53

Time On Btm: 2013.07.28 @ 15:56:08

Time Off Btm: 2013.07.28 @ 17:57:08

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1928.97	114.06	Initial Hydro-static
1	31.90	113.67	Open To Flow (1)
31	34.17	113.95	Shut-In(1)
61	106.18	114.49	End Shut-In(1)
61	36.45	114.48	Open To Flow (2)
90	36.98	114.95	Shut-In(2)
121	62.21	115.41	End Shut-In(2)
121	1890.06	115.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w ith oil spots 100% m	0.02

* 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 And Gas Company
301 S Market St.
Wichita KS
67202
ATTN: Steve Davis

24-14-32 Logan Co.KS
Nuss 2-24
Job Ticket: 53142 **DST#: 2**
Test Start: 2013.07.28 @ 13:17:23

Mud and Cushion Information

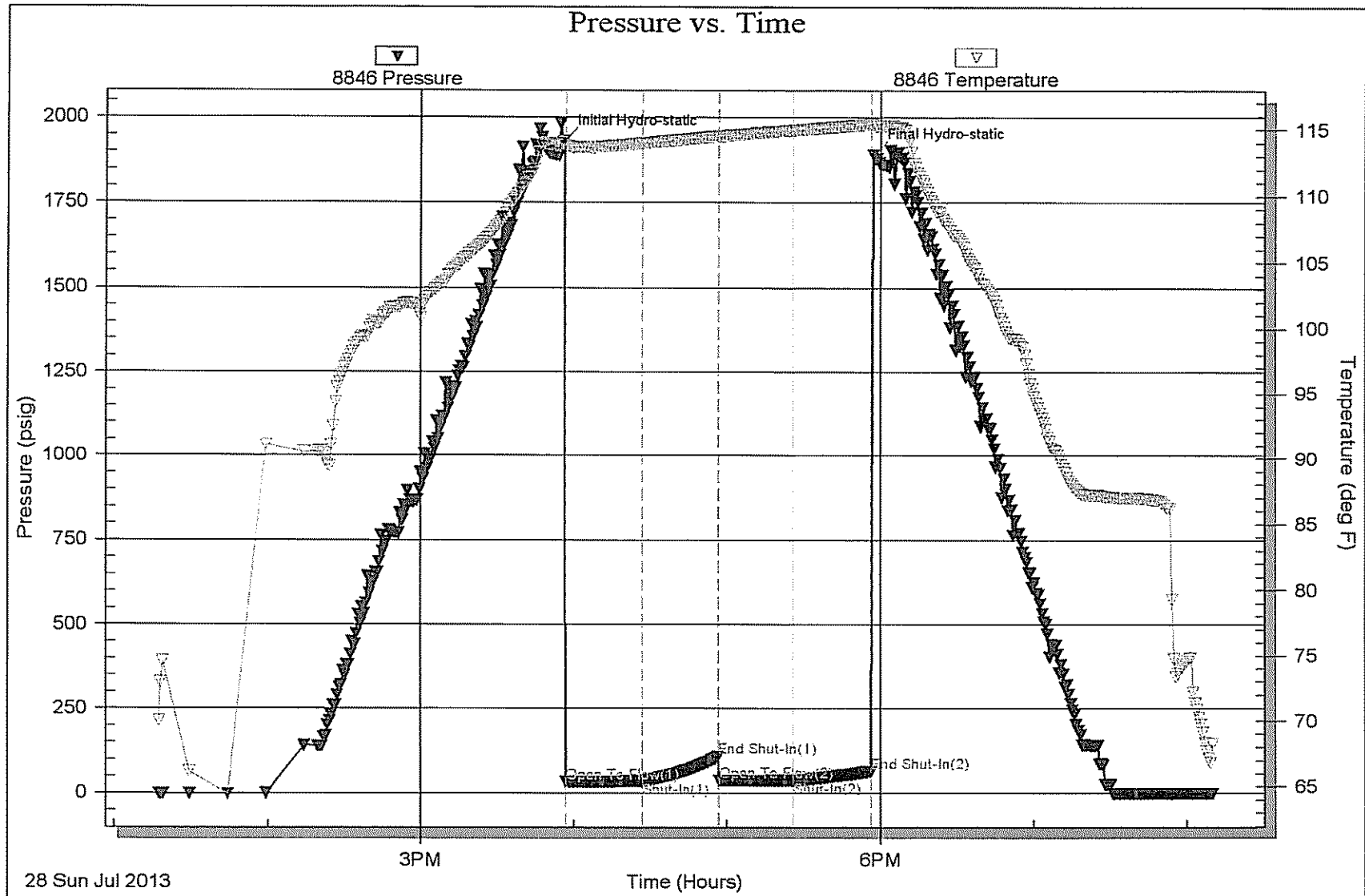
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

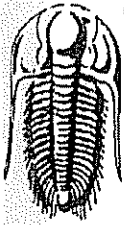
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud with oil spots 100% m	0.025

Total Length: 5.00 ft Total Volume: 0.025 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 Company
 301 S Market St.
 Wichita KS
 67202
 ATTN: Steve Davis

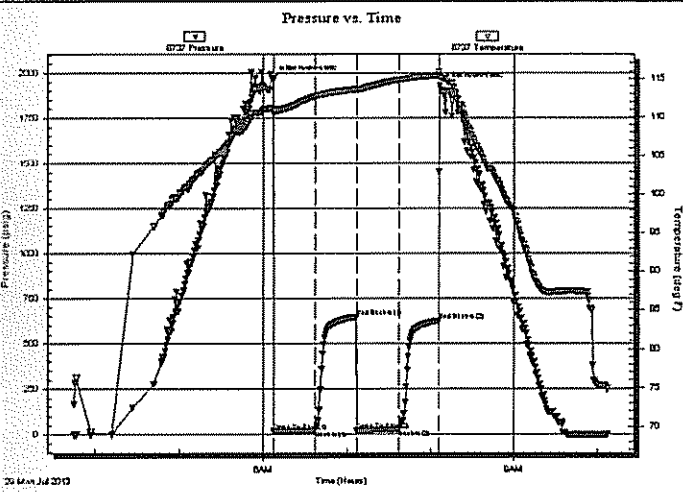
24-14-32 Logan Co.KS
Nuss 2-24
 Job Ticket: 53143 DST#: 3
 Test Start: 2013.07.28 @ 15:45:15

GENERAL INFORMATION:

Formation: J
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:07:15
 Time Test Ended: 22:07:30
 Interval: 4013.00 ft (KB) To 4035.00 ft (KB) (TVD)
 Total Depth: 4035.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2762.00 ft (KB)
 2752.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8737 Inside
 Press@RunDepth: 28.03 psig @ 4014.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.07.29 End Date: 2013.07.29 Last Calib.: 2013.07.29
 Start Time: 03:45:00 End Time: 10:07:15 Time On Bltr: 2013.07.29 @ 06:06:45
 Time Off Bltr: 2013.07.29 @ 08:06:45

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1966.98	111.13	Initial Hydro-static
1	17.99	110.44	Open To Flow (1)
30	22.73	112.70	Shut-In(1)
60	647.43	113.62	End Shut-In(1)
60	23.86	113.53	Open To Flow (2)
91	28.03	114.84	Shut-In(2)
119	627.04	115.40	End Shut-In(2)
120	1928.11	115.28	Final Hydro-static

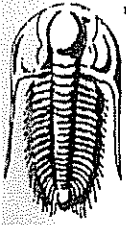
Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud w ith 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 And Gas Company

24-14-32 Logan Co.KS

301 S Market St.
Wichita KS
67202

Nuss 2-24

Job Ticket: 53143

DST#: 3

ATTN: Steve Davis

Test Start: 2013.07.28 @ 15:45:15

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: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.77 in³

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
15.00	mud with oil spots	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbf

Num Fluid Samples: 0

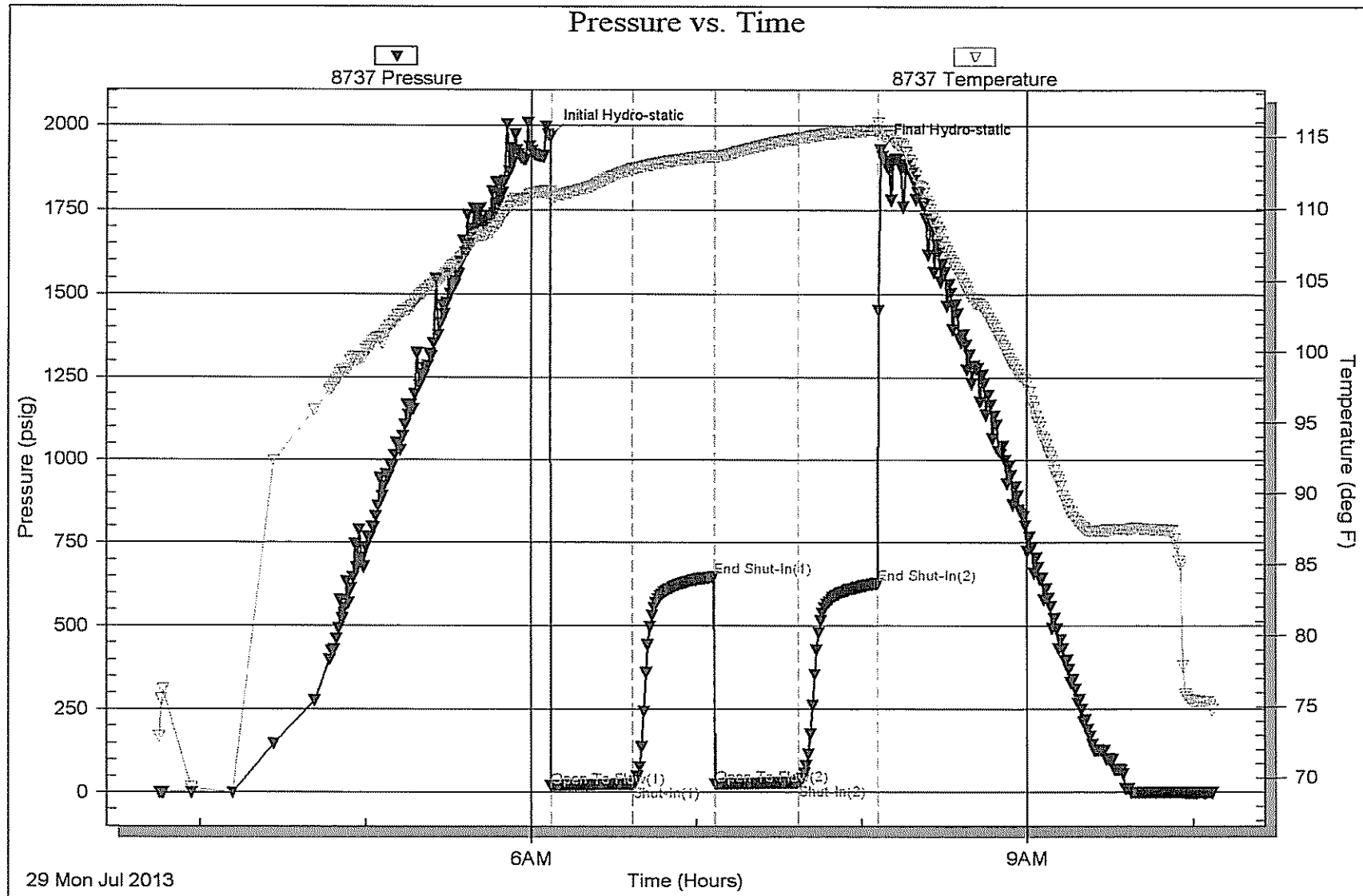
Num Gas Bombs: 0

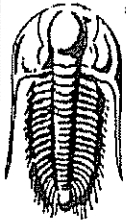
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil And Gas Company

24-14-32 Logan Co.KS

301 S Market St.

Nuss 2-24

Wichita KS

Job Ticket: 53144

DST#: 4

67202

Test Start: 2013.07.30 @ 20:48:15

ATTN: Steve Davis

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:32:00

Time Test Ended: 03:48:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4362.00 ft (KB) To 4410.00 ft (KB) (TVD)

Reference Elevations: 2762.00 ft (KB)

Total Depth: 4410.00 ft (KB) (TVD)

2749.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8846 Inside

Press@RunDepth: 37.44 psig @ 4363.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.30

End Date:

2013.07.31

Last Calib.: 2013.07.31

Start Time: 20:48:15

End Time:

03:48:15

Time On Btm: 2013.07.30 @ 23:31:45

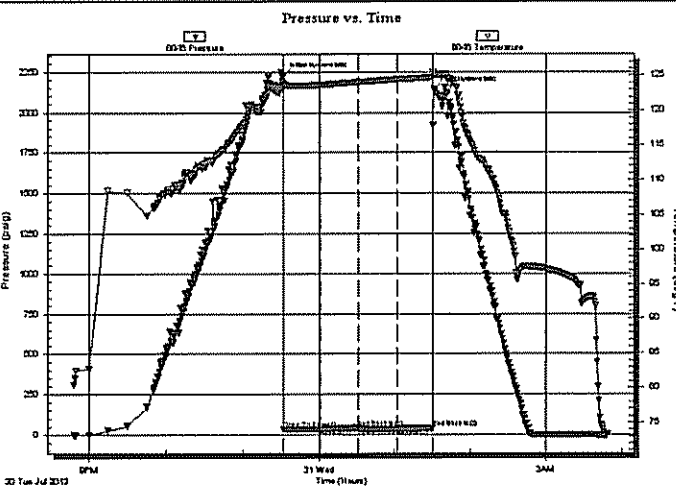
Time Off Btm: 2013.07.31 @ 01:30:45

TEST COMMENT: IF:Weak surface blow died in 7 min

IS:No return blow

FF:No blow

FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2223.23	124.16	Initial Hydro-static
1	34.98	122.97	Open To Flow (1)
29	37.39	123.66	Shut-In(1)
60	44.28	124.04	End Shut-In(1)
60	37.38	124.04	Open To Flow (2)
90	37.44	124.44	Shut-In(2)
119	41.04	124.76	End Shut-In(2)
119	2140.34	125.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

* 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 And Gas Company
301 S Market St.
Wichita KS
67202
ATTN: Steve Davis

24-14-32 Logan Co.KS
Nuss 2-24
Job Ticket: 53144 **DST#: 4**
Test Start: 2013.07.30 @ 20:48:15

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: 8.76 in ³	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
5.00	mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

