



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1155208
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: _____



1155208

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	Splitter 1-3
Doc ID	1155208

All Electric Logs Run

MPD/MDN
MML
MSS
MAI/MFE

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Splitter 1-3
Doc ID	1155208

Tops

Name	Top	Datum
Heebner	4008	-806
Lansing	4053	-851
Stark	4365	-1163
Hushpuckney	4416	-1214
Base KC	4500	-1298
Marmaton	4528	-1326
Pawnee	4620	-1418
Ft. Scott	4648	-1446
Johnson	4753	-1551
Basal Penn	4936	-1734
Missisippian	4941	-1739
St. Louis	4969	-1767

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

August 22, 2013

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

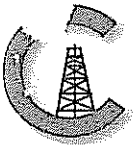
Re: ACO1
API 15-203-20226-00-00
Splitter 1-3
SW/4 Sec.03-19S-35W
Wichita County, Kansas

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 # 261163

Invoice Date: 08/16/2013 Terms: 15/15/30,n/30 Page 1

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

SPLITTER 1-3
38021
3-19S-35W
08-03-2013
KS

drilling AFE 13 206
8-20-13 LR

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	225.00	18.5500	4173.75
1118B	PREMIUM GEL / BENTONITE	423.00	.2700	114.21
1102	CALCIUM CHLORIDE (50#)	635.00	.9400	596.90
4432	8 5/8" WOODEN PLUG	1.00	100.7500	100.75

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-747.84
9995-130	CEMENT EQUIPMENT DISCOUNT	-315.30

Description	Hours	Unit Price	Total
463 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
463 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.25	210.00
466 TON MILEAGE DELIVERY	1.00	742.00	742.00

XC
XC
[Signature]

Amount Due 7493.94 if paid after 09/15/2013

Parts:	4985.61	Freight:	.00	Tax:	345.38	AR	6369.85
Labor:	.00	Misc:	.00	Total:	6369.85		
Sublt:	-1063.14	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

261163

TICKET NUMBER 38021
LOCATION OKMOKS
FOREMAN Fuzzy

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

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
8.3.13	4793	Sat. Hrk 1-3	3	195	35W	LYICHNA	
CUSTOMER		SLOTH CITY		TRUCK #	DRIVER	TRUCK #	DRIVER
Mailing Address		W-2nd		463	Travis W		1
CITY		45		466	Jordan L		
STATE		KS					
ZIP CODE		612					

JOB TYPE SURFACE HOLE SIZE 12 1/4 HOLE DEPTH 347' CASING SIZE & WEIGHT 8 5/8
 CASING DEPTH 347' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.7 SLURRY VOL 1.36 WATER gal/sk _____ CEMENT LEFT In CASING 20'
 DISPLACEMENT 20.8 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on Duke #4, Rig up and circulate mix 225 sks
sks Class 'A' 370cc 2700. Drop plug and displace 20 3/4 BBL
cement did circulate approx 5 BBLs to pit.

Thanks Fuzzy & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00
5406	40 miles	MILEAGE	5.25	210.00
5407A	10.6 ton	Ton Mileage Delivery	7.00	742.00
11045	225 sks	Class 'A' cement	18.53	4173.75
1188	423 #	Bentonite	.27	114.21
1102	635 #	Calcium Chloride	.94	596.90
4432	1	8 5/8 wood cup plug	100.35	100.35
		subtotal		7087.65
		less 1590		1063.14
		subtotal		6024.47
		SALES TAX		345.38
		ESTIMATED TOTAL		6369.85

completed

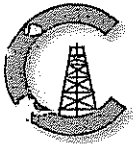
Ravin 3737

AUTHORIZATION _____

TITLE R. Wheeler

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 # 261389

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

SPLITTER 1-3
38057
3-19S-35W
08-14-2013
KS

drilling AFE 13-206
8-20-13 LK

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	260.00	15.8600	4123.60
1118B	PREMIUM GEL / BENTONITE	894.00	.2700	241.38
1107	FLO-SEAL (25#)	65.00	2.9700	193.05

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-455.80
9995-130	CEMENT EQUIPMENT DISCOUNT	-238.78

Description	Hours	Unit Price	Total
463 P & A NEW WELL	1.00	1395.00	1395.00
463 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.25	210.00
693 TON MILEAGE DELIVERY	1.00	782.80	782.80

Handwritten initials and signature

Amount Due 7317.30 if paid after 09/14/2013

Parts:	4558.03	Freight:	.00	Tax:	334.32	AR	6585.57
Labor:	.00	Misc:	.00	Total:	6585.57		
Sublt:	-694.58	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 38057
LOCATION Oakley, KS
FOREMAN Kelly Gabel

261389

FIELD TICKET & TREATMENT REPORT

CEMENT

O Box 884, Chanute, KS 66720
20-431-9210 or 800-467-8676

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-14-13	4793	Splitter 1-3	3	195	3540	Wichita
CUSTOMER			SCOTT CITY		KS	
MAILING ADDRESS			West to		COUNTY	
CITY			RD 22		RANGE	
STATE			45		TRUCK #	
ZIP CODE			E & N		DRIVER	
			into		TRUCK #	
					DRIVER	

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 5200' CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

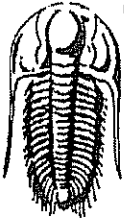
REMARKS: safety meeting, rigged up on Duke #4, mixed cement
plugs & displaced.
50 @ 2400'
80 @ 1290
50 @ 660
30 @ 60, 20 @ 380
30 RH
washed out pumps & lines, rigged down.

Thank You
Kelly Gabel

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	139.50	139.50 ✓
5406	40 mi	MILEAGE	5.25	210.00 ✓
1131	260 SKS	60/40 Poz	15.86	4123.60 ✓
1183	894#	Bentonite	.27	241.38 ✓
1107	6.5	Flo-seal	29.7	193.05 ✓
5407A	11.18	Tan mileage delivery	1.75	782.80 ✓
completed				
				6945.83
				6945.83 ✓
				6251.25
SALES TAX				334.32 ✓
ESTIMATED TOTAL				6585.57 ✓

Revised 3/3/77 AUTHORIZATION Real Wheel TITLE T-P DATE 8-14-13

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 & Gas CO.

3 19s 35w Wichita, Ks

301 S Market St.
Wichita, Ks 67202

Splitter 1-3

Job Ticket: 48772

DST#: 1

ATTN: Mac Armstrong

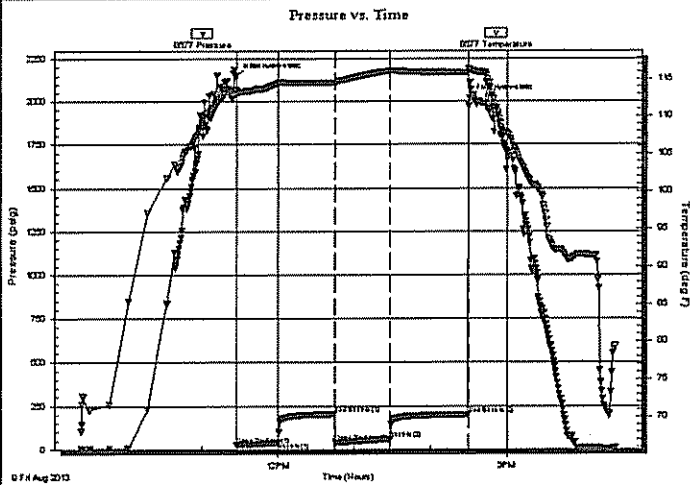
Test Start: 2013.08.09 @ 09:26:00

GENERAL INFORMATION:

Formation: 4280
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 11:27:30
 Tester: Bradley Walter
 Time Test Ended: 16:25:45
 Unit No: 53
 Interval: 4280.00 ft (KB) To 4310.00 ft (KB) (TVD)
 Reference Elevations: 3202.00 ft (KB)
 Total Depth: 4310.00 ft (KB) (TVD)
 3192.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 10.00 ft

Serial #: 8677 Inside
 Press@RunDepth: 60.01 psig @ 4281.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.09 End Date: 2013.08.09 Last Calib.: 2013.08.09
 Start Time: 09:26:05 End Time: 16:25:44 Time On Btm: 2013.08.09 @ 11:27:15
 Time Off Btm: 2013.08.09 @ 14:30:45

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2147.93	113.62	Initial Hydro-static
1	24.42	113.05	Open To Flow (1)
34	39.59	114.53	Shut-In(1)
78	202.76	114.58	End Shut-In(1)
78	40.32	114.53	Open To Flow (2)
122	60.01	116.15	Shut-In(2)
183	200.18	115.95	End Shut-In(2)
184	2017.08	116.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	mcw 20m 80w (oil spots)	1.12

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas CO.

3 19s 35w Wichita, Ks

301 S Market St.
Wichita, Ks 67202

Splitter 1-3

Job Ticket: 48772

DST#: 1

ATTN: Mac Armstrong

Test Start: 2013.08.09 @ 09:26:00

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:

32000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in²

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
80.00	mcw 20m 80w (oil spots)	1.122

Total Length: 80.00 ft Total Volume: 1.122 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .200 @ 79F = 32,000ppm

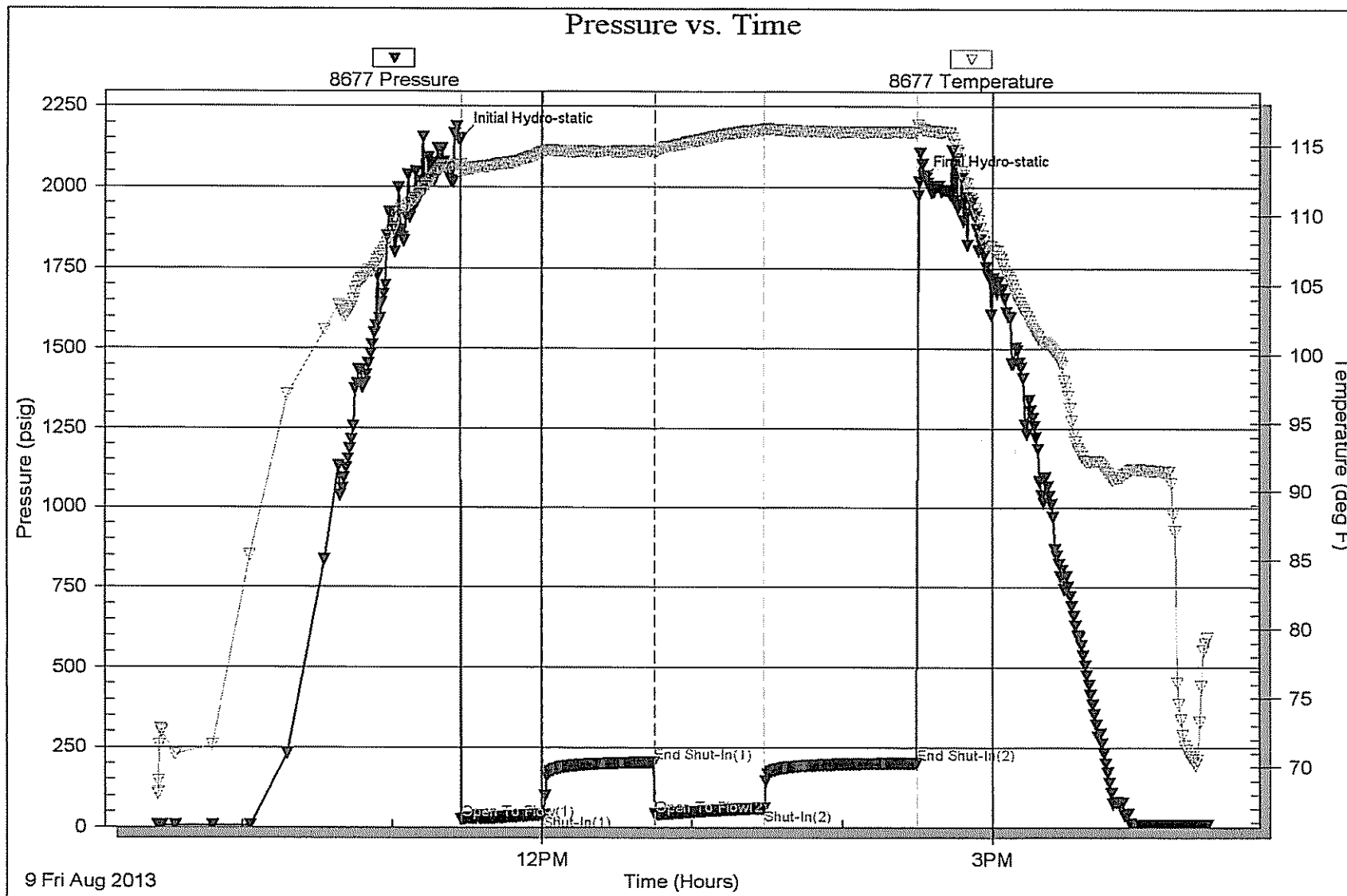
Serial #: 8677

Inside

Lario Oil & Gas CO.

Splitter 1-3

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas CO.

3 19s 35w Wichita, Ks

301 S Market St.
Wichita, Ks 67202

Splitter 1-3

Job Ticket: 48773

DST#: 2

ATTN: Mac Armstrong

Test Start: 2013.08.10 @ 11:03:00

GENERAL INFORMATION:

Formation: LKC - Base

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:56:15

Time Test Ended: 17:29:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

Interval: 4461.00 ft (KB) To 4505.00 ft (KB) (TVD)

Total Depth: 4505.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3202.00 ft (KB)

3192.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8522

Outside

Press@RunDepth: 812.12 psig @ 4462.00 ft (KB)

Start Date: 2013.08.10

End Date:

2013.08.10

Capacity: 8000.00 psig

Last Calib.: 2013.08.10

Start Time: 11:03:05

End Time:

17:29:14

Time On Btm: 2013.08.10 @ 12:56:00

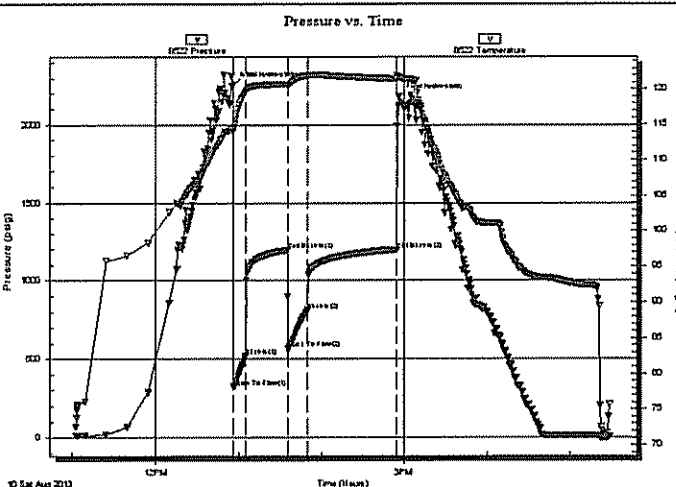
Time Off Btm: 2013.08.10 @ 14:56:30

TEST COMMENT: IF: BOB @ 45 sec.

IS: No return.

FF: BOB @ 1 min.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.27	114.57	Initial Hydro-static
1	323.00	113.95	Open To Flow (1)
10	521.03	119.66	Shut-In(1)
40	1195.42	120.69	End Shut-In(1)
40	565.45	120.47	Open To Flow (2)
55	812.12	121.94	Shut-In(2)
119	1196.42	121.48	End Shut-In(2)
121	2179.02	121.70	Final Hydro-static

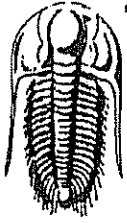
Recovery

Length (ft)	Description	Volume (bbl)
1800.00	mcw 5mm 95w (oil spots on top)	25.25

* 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 CO.

3 19s 35w Wichita, Ks

301 S Market St.
Wichita, Ks 67202

Splitter 1-3

Job Ticket: 48773

DST#: 2

ATTN: Mac Armstrong

Test Start: 2013.08.10 @ 11:03:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

50000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in²

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
1800.00	mcw 5mm 95w (oil spots on top)	25.249

Total Length: 1800.00 ft Total Volume: 25.249 bbf

Num Fluid Samples: 0

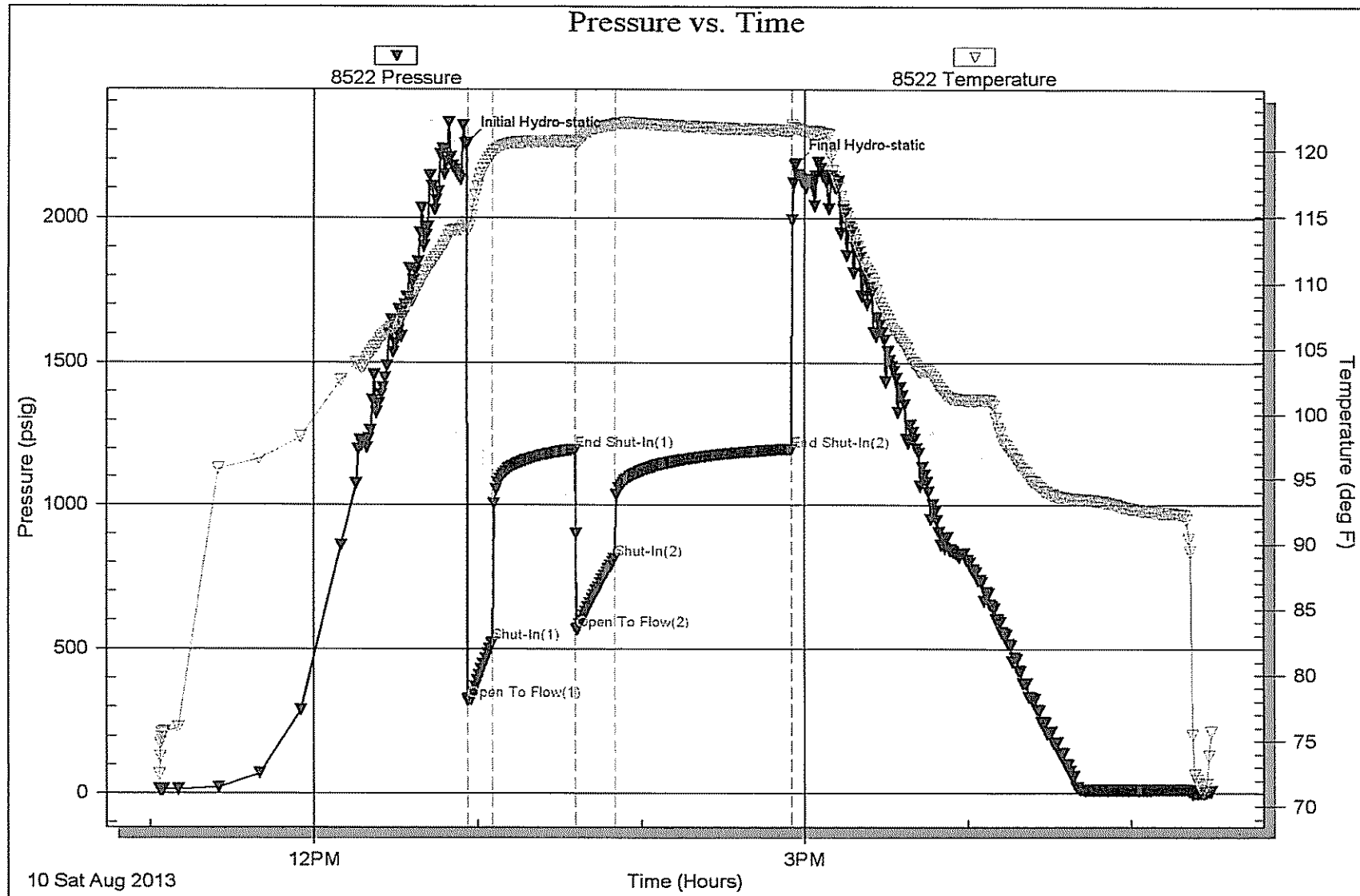
Num Gas Bombs: 0

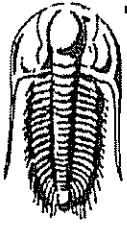
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .146 @ 73F = 50,000ppm





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas CO.

3 19s 35w Wichita, Ks

301 S Market St.
Wichita, Ks 67202

Splitter 1-3

Job Ticket: 48774

DST#: 3

ATTN: Mac Armstrong

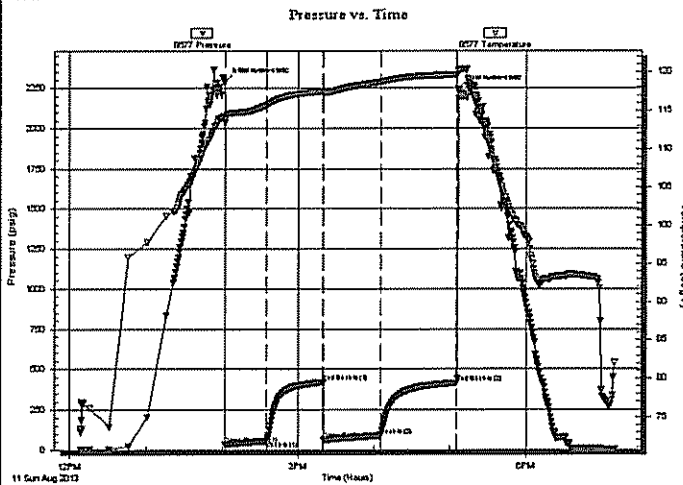
Test Start: 2013.08.11 @ 12:09:00

GENERAL INFORMATION:

Formation: Pawnee
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:02:15
 Time Test Ended: 19:10:15
 Interval: 4601.00 ft (KB) To 4637.00 ft (KB) (TVD)
 Total Depth: 4310.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Waller
 Unit No: 53
 Reference Elevations: 3202.00 ft (KB)
 3192.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8677 Inside
 Press@RunDepth: 89.08 psig @ 4602.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.11 End Date: 2013.08.11 Last Calib.: 2013.08.11
 Start Time: 12:09:05 End Time: 19:10:14 Time On Btm: 2013.08.11 @ 14:01:45
 Time Off Btm: 2013.08.11 @ 17:06:45

TEST COMMENT: IF: 5 1/2" blow .
 ISI: No return.
 FF: 2" blow .
 FSI: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2290.90	114.26	Initial Hydro-static
1	31.24	113.86	Open To Flow (1)
34	56.60	115.70	Shut-In(1)
78	420.61	117.47	End Shut-In(1)
79	62.69	117.37	Open To Flow (2)
124	89.08	118.71	Shut-In(2)
184	415.68	119.67	End Shut-In(2)
185	2244.97	120.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	mcw 20m 80w (oil spots)	1.75
5.00	oil 100o	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 CO.

3 19s 35w Wichita, Ks

301 S Market St.
Wichita, Ks 67202

Splitter 1-3

Job Ticket: 48774

DST#: 3

ATTN: Mac Armstrong

Test Start: 2013.08.11 @ 12:09:00

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:

49000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbf

Water Loss: 10.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
125.00	mcw 20m 80w (oil spots)	1.753
5.00	oil 100o	0.070

Total Length: 130.00 ft Total Volume: 1.823 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .138 @ 81F = 49000

