



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1095061
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: _____



1095061

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
--	---

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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	Graff Christensen Unit 1-20
Doc ID	1095061

All Electric Logs Run

MAI/MFE
MPD/MDN
MSS
MML

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Graff Christensen Unit 1-20
Doc ID	1095061

Tops

Name	Top	Datum
Heebner	3995	-773
Lansing	4039	-817
Stark Sh	4338	-1116
Hushpuckney	4394	-1172
Base KC	4479	-1257
Marmaton	4516	-1294
Pawnee	4600	-1378
Ft. Scott	4626	-1404
Johnson	4731	-1509
Basal Penn	4907	-1685
Mississippian	4950	-1728
St. Louis	5008	-1786
Spergen	5176	-1954

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

November 20, 2012

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

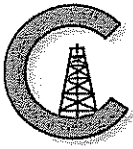
Re: ACO1
API 15-203-20186-00-00
Graff Christensen Unit 1-20
SW/4 Sec.20-18S-35W
Wichita County, Kansas

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 # 253758

Invoice Date: 10/17/2012 Terms: 15/15/30,n/30

Page 1

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

GRAEF CHRISTENSON 1-20
37285
20-18-35
10-16-2012
KS

Completion
Downhole
AF1512-291
CK 10/19/12

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	100.00	15.1000	1510.00
1104S	CLASS "A" CEMENT (SALE)	50.00	17.6500	882.50
1102	CALCIUM CHLORIDE (50#)	141.00	.8900	125.49
1118B	PREMIUM GEL / BENTONITE	688.00	.2500	172.00
1107	FLO-SEAL (25#)	25.00	2.8200	70.50

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-414.07
9995-130	CEMENT EQUIPMENT DISCOUNT	-307.49

Description	Hours	Unit Price	Total
399 CEMENT PUMP	1.00	1325.00	1325.00
399 EQUIPMENT MILEAGE (ONE WAY)	45.00	5.00	225.00
T-127 TON MILEAGE DELIVERY	1.00	499.95	499.95

OCT 24 2012

Amount Due 5039.57 if paid after 11/16/2012

Parts:	2760.49	Freight:	.00	Tax:	194.76	AR	4283.64
Labor:	.00	Misc:	.00	Total:	4283.64		
Sublt:	-721.56	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 37285

LOCATION Oakley, KS

FOREMAN Walt Dinko

Miles Shaw

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	
10-16-12	4793	Graff Christensen 1-20	20	18 ²	35 ^W	Wichita	
CUSTOMER <u>Lario Oil & Gas</u>		Mariattha <u>1/25</u>		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				<u>399</u>	<u>Damon Wilber</u>		
CITY		STATE	ZIP CODE	<u>528-7021</u>	<u>Travis Williams</u>		

JOB TYPE Squeeze HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT 5 1/2 - 14 #
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER Perf 535'
 SLURRY WEIGHT 12.5-14.8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 1194 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting, rig up on Well Head, Loaded casing, Tank water 2 Bbl
2 500# mixed 100 sks 69/40 por, 8% Gal, 1/2# Flor Seal clear Pump & Luer, release
Plug + Displace 10 1/2 Bbl, Squeeze to 1000# release to 500# Shut in
50 sks com, 3% CG
Cement Dial Cure

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1,325.00	1,325.00
5406	45	MILEAGE	5.00	225.00
1131	100 sks	69/40 por	15.10	1,510.00
11045	50 sks	Class A Cement	17.65	882.50
1102	141 #	Calcium Chloride	1.00	125.49
1118B	688 #	Gal	125	172.00
1107	25 #	Flor Seal	2.82	70.50
5407A	6.65	Ton Mileage Delivery	16?	499.95
				4,810.44
		Less 15% Disc		- 721.56
				4,088.88
			SALES TAX	194.76
			ESTIMATED TOTAL	4,283.64

RAVIN 3737 AUTHORIZATION Center Hall TITLE Foreman (Great Job) DATE 10/16/12

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

253758



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 133042
Invoice Date: Oct 8, 2012
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

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

*Drilling
AFE 12-241
CK 10/19/12*



Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	<u>S.R.F. Christensen Un#1-20</u>	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Oct 8, 2012	11/7/12

Quantity	Item	Description	Unit Price	Amount
225.00	MAT	ASC	19.00	4,275.00
535.00	MAT	Lightweight Type 2	15.00	8,025.00
134.00	MAT	Flo Seal	2.70	361.80
1,125.00	MAT	Gilsonite	0.89	1,001.25
63.00	MAT	FL-160	17.20	1,083.60
32.00	MAT	Powdered Defoamer	8.90	284.80
500.00	MAT	Super Flush	1.27	635.00
895.17	SER	Cubic Feet Charge	2.10	1,879.86
1,874.50	SER	Ton Mileage Charge	2.35	4,405.08
1.00	SER	Production -- 2 Stage	2,405.00	2,405.00
9.00	SER	Waiting Time	400.00	3,600.00
50.00	SER	Pump Truck Mileage	7.00	350.00
1.00	SER	Manifold Head Rental	200.00	200.00
50.00	SER	Light Vehicle Mileage	4.00	200.00
1.00	EQP	5.5 D V Tool	3,721.00	3,721.00
1.00	EQP	5.5 Packer Shoe	2,316.00	2,316.00
1.00	EQP	5.5 Latch Down Plug	236.00	236.00
1.00	EQP	5.5 Basket	337.00	337.00
11.00	EQP	5.5 Centralizer	49.00	539.00
1.00	CEMENTER	LaRene Wentz		
1.00	CEMENTER	Terry Heinrich		

*15 Csg
ACP*

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

\$ See next

ONLY IF PAID ON OR BEFORE
Nov 2, 2012

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 133042

Invoice Date: Oct 8, 2012

Page: 2

Voice: (817) 546-7282

Fax: (817) 246-3361



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

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Lario	GChristensenUn#1-20	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Oct 8, 2012	11/7/12

Quantity	Item	Description	Unit Price	Amount
1.00	OPER ASSIST	Jeremy Sterger		
1.00	OPER ASSIST	Chris Helpingstine		

*all
tc*

*all
tc*

[Signature]

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

\$ 10,039.50

ONLY IF PAID ON OR BEFORE

Nov 2, 2012

Subtotal	35,855.39
Sales Tax	1,893.68
Total Invoice Amount	37,749.07
Payment/Credit Applied	
TOTAL	37,749.07

Griff
Christensen
Brent

ALLIED OIL & GAS SERVICES, LLC 056329

Federal Tax I.D.# 20-5976804

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

SERVICE POINT:
10922 Oakley, KS
10:00am 11:00am

DATE <u>10-8-12</u>	SEC. <u>20</u>	TWP. <u>10</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>10:00pm</u>	JOB START <u>2:00pm</u>	JOB FINISH <u>3:00pm</u>
LEASE <u>Unit</u>	WELL# <u>1-20</u>	LOCATION <u>Marienthal, KS Y23</u>			COUNTY <u>Wichita</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>Erato</u>			

CONTRACTOR Southwind

TYPE OF JOB Production 2 Stage

HOLE SIZE 7 7/8 T.D. 5260'

CASING SIZE 5 1/2 DEPTH 5090.73

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 42.14

CEMENT LEFT IN CSG. 42.14

PERFS.

DISPLACEMENT 123.13 bbl

OWNER Same

CEMENT AMOUNT ORDERED 295 sks ASC 1095 salt
270 gal, 5 1/2" pipe, 18% FULCO, 15% Duffon
500 sks like Y4H 90-salt 500 gal Superflush

COMMON	⊙	
POZMIX	⊙	
OEL	⊙	
CHLORIDE	⊙	
ASC	⊙	17.00 4975.00
Life Type H	⊙	15.00 8085.00
Pro Seal	⊙	134 # 2.70 361.80
Gilmanite	⊙	1125 # .89 1001.25
12160	⊙	63 # 19.20 1083.60
PPEF Dabomer	⊙	32 # 2.90 284.80
Superflush	⊙	500 gal 1.27 635.00
HANDLING	⊙	895.17 ft ³ 2.10 1879.86
MILBAOB	⊙	3739 X50 X 12.35 4605.08
TOTAL		21751.39

EQUIPMENT

PUMP TRUCK CEMENTER Lakene Wentz

423 HELPER Terry Heinrich

BULK TRUCK DRIVER Jeremy Steger

396/306

BULK TRUCK DRIVER Chris Helpingstra

540/287

REMARKS:

Pumpball through 900 #, Mix Superflush
Mix 295 sks ASC, Displace with water
of mud, land plug 1700 #, Open DUTOL
900 #, Circulate 3 hrs
plus Rth 300 #, Mix 500 sks cement
Displace with water, Land plug 2000 #
Cement did not circulate.

1897.50

Frank Pool

CHARGE TO: Lario Oil & Gas Co

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>5090.73</u>
PUMP TRUCK CHARGE	2400.00
EXTRA FOOTAGE	9 hrs @ 400.00 3600.00
MILBAOB MDHU	30 @ 7.00 210.00
MANIFOLD head	⊙ 200.00
MSLV	50 @ 4.00 200.00
TOTAL	6255.00

To: Allied Oil & Gas Services, 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.

PLUG & FLOAT EQUIPMENT

DUTOL	3226.00
Packer shoe	⊙ 2316.00
lotchdown plug	⊙ 286.00
(1) Basket	⊙ 332.00
(1) Centralizers	⊙ 4900 5390.00
TOTAL	7149.00

PRINTED NAME Tim Gillagly

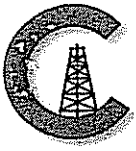
SIGNATURE Tim Gillagly

SALES TAX (If Any) 1893.68

TOTAL CHARGES 35855.39

DISCOUNT 10,039.50 IF PAID IN 30 DAYS

Bid, 2870



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 # 253190

Invoice Date: 09/25/2012 Terms: 10/10/30,n/30

Page 1

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

GRAFF CHRISTENSON 1-20
37177
20-18-35
09-24-2012
KS

AFE-12-241
Drilling
CK 9/27/12

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	275.00	17.6500	4853.75
1102	CALCIUM CHLORIDE (50#)	775.00	.8900	689.75
1118B	PREMIUM GEL / BENTONITE	517.00	.2500	129.25

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-567.28
9995-130	CEMENT EQUIPMENT DISCOUNT	-227.98

Description	Hours	Unit Price	Total
399 CEMENT PUMP (SURFACE)	1.00	1085.00	1085.00
399 EQUIPMENT MILEAGE (ONE WAY)	45.00	5.00	225.00
528 TON MILEAGE DELIVERY	1.00	969.75	969.75

Surf Gg

*all
OK*
[Signature]
OCT 1
[Signature]

Amount Due 8423.34 if paid after 10/25/2012

Parts:	5672.75	Freight:	.00	Tax:	423.76	AR	7581.00
Labor:	.00	Misc:	.00	Total:	7581.00		
Sublt:	-795.26	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

NET NUMBER 37177

LOCATION Oakley KS

FOREMAN Kelly Gabe

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
9-24-12	4793	Graft christenson 120	20	18	35	Wichita
CUSTOMER			Ks			
Lario Oil & Gas			Wichita			
MAILING ADDRESS			Ks			
CITY			Ks			
STATE			Ks			
ZIP CODE			Ks			

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 351 CASING SIZE & WEIGHT 8 5/8 24#
 CASING DEPTH 351 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 148 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 30'
 DISPLACEMENT 21 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: safety meeting, rigged upon southwind drilling, hooked up to circulate, mixed 275 sks com 3% CC 2% gel displaced with 21 bbl water, shut in, washed out pumps & lines, rigged down

Cement did circulate

Approx 7 bbl top it

Thank You Kelly's crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	108.50	108.50
5406	45 mi	MILEAGE	5.00	225.00
11045	275 sks	Class A Cement	17.65	4853.25
1102	775#	calcium chloride	1.89	689.75
11183	517#	Bentonite	0.25	129.25
5407A	12.9 ton	Ton Mileage delivery	162	969.75
				7952.50
				1090 disc
				795.26
				7158.24
SALES TAX				423.76
ESTIMATED TOTAL				7581.00

Revin 3737

9:00 AM

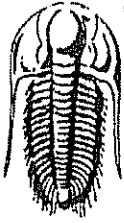
AUTHORIZATION [Signature]

TITLE Toolpusher

DATE 9-25-12

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

253190



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

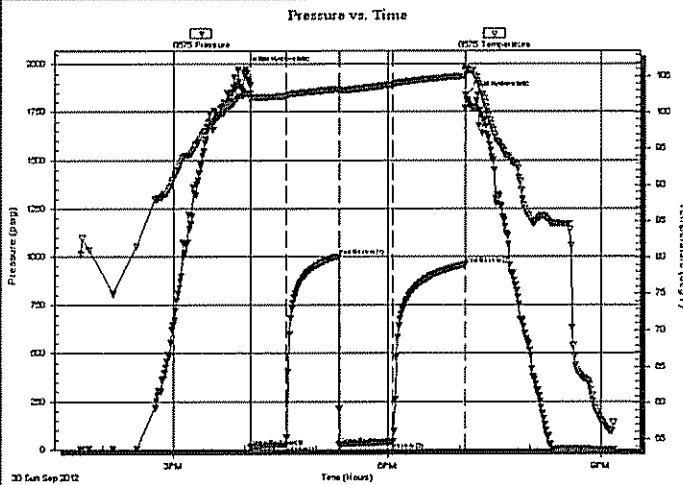
20-18s-35w Wichita Co, KS
Graff Unit 1-20
 Job Ticket: 48899 DST#: 1
 Test Start: 2012.09.30 @ 13:42:00

GENERAL INFORMATION:

Formation: **Lower Topeka**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Initial)
 Time Tool Opened: 16:04:30 Tester: Jace McKinney
 Time Test Ended: 21:10:15 Unit No: 46
 Interval: 3918.00 ft (KB) To 3955.00 ft (KB) (TVD) Reference Elevations: 3220.00 ft (KB)
 Total Depth: 4025.00 ft (KB) (TVD) 3210.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8675 Inside
 Press@RunDepth: 39.97 psig @ 3919.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.30 End Date: 2012.09.30 Last Calib.: 2002.01.01
 Start Time: 13:42:15 End Time: 21:10:15 Time On Blm: 2012.09.30 @ 16:00:30
 Time Off Blm: 2012.09.30 @ 19:05:30

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



PRESSURE SUMMARY

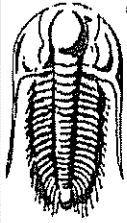
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1973.56	102.58	Initial Hydro-static
4	14.75	101.77	Open To Flow (1)
34	24.55	102.25	Shut-In(1)
79	1001.86	103.21	End Shut-In(1)
79	25.91	102.88	Open To Flow (2)
124	39.97	103.80	Shut-In(2)
185	957.17	105.00	End Shut-In(2)
185	1839.65	106.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	mcw 20%M 80%W	0.70
0.00	oil scum in tool	0.00

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: Tim Lauer

20-18s-35w Wichita Co, KS
Graff Unit 1-20
Job Ticket: 48899 DST#: 1
Test Start: 2012.09.30 @ 13:42:00

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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3900.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

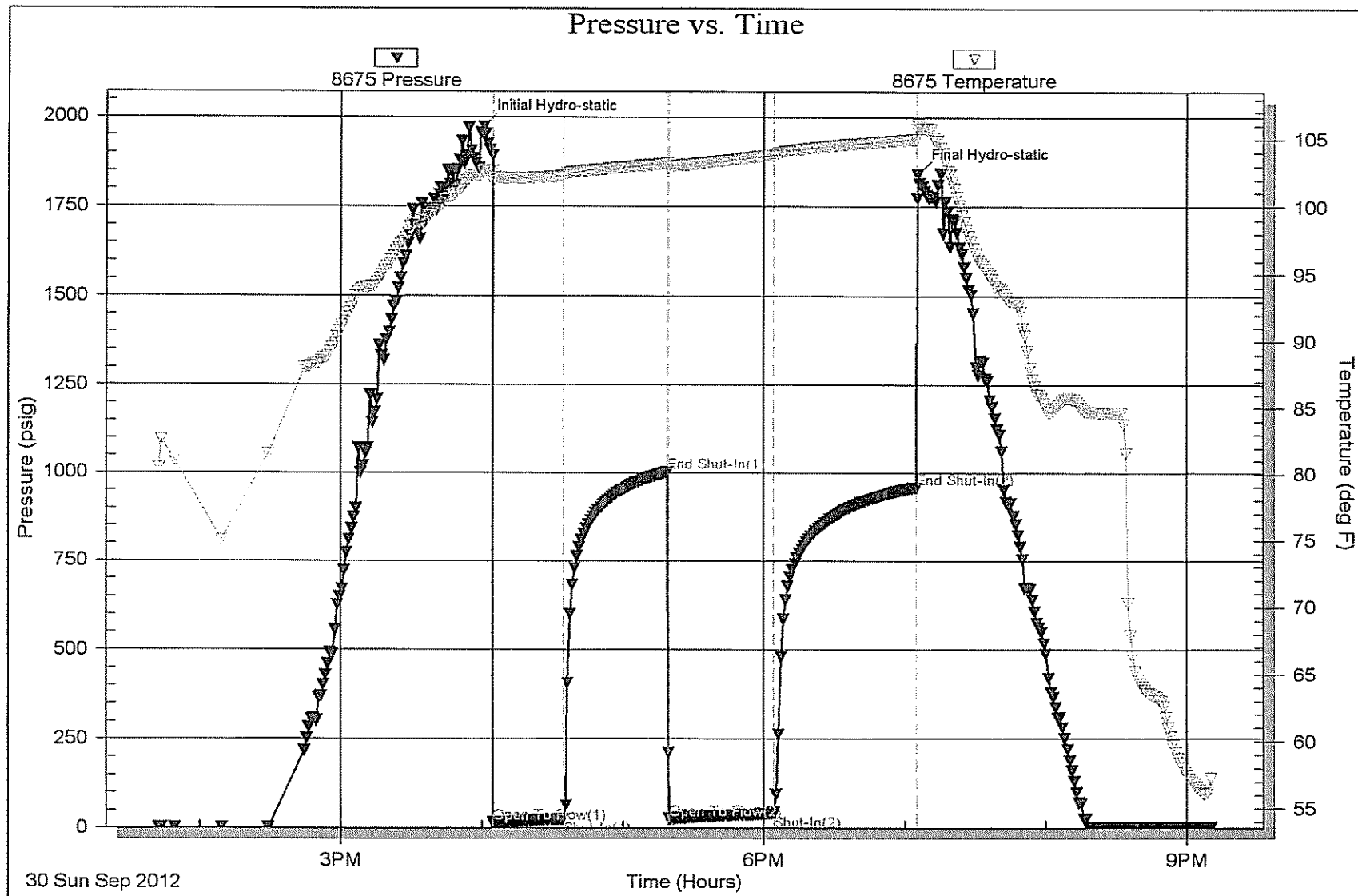
Length ft	Description	Volume bbl
50.00	mcw 20%M 80%W	0.701
0.00	oil scum in tool	0.000

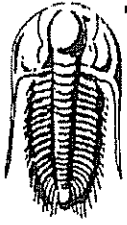
Total Length: 50.00 ft Total Volume: 0.701 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .20 @ 60 F = 40,000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

20-18s-35w Wichita Co, KS

Graff Unit 1-20

Job Ticket: 48900 DST#: 2

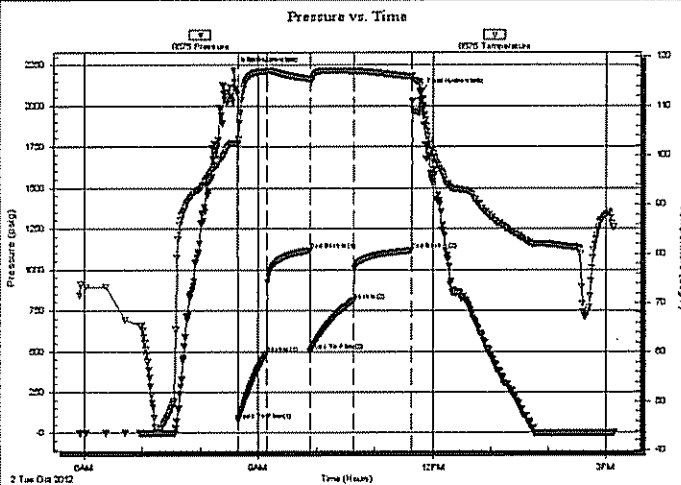
Test Start: 2012.10.02 @ 05:55:00

GENERAL INFORMATION:

Formation: **Kansas City "I"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:39:00
 Time Test Ended: 15:08:30
 Interval: **4263.00 ft (KB) To 4292.00 ft (KB) (TVD)**
 Total Depth: **4292.00 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: 3220.00 ft (KB)
 3210.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8675 Inside
 Press@RunDepth: 811.12 psig @ 4264.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.02 End Date: 2012.10.02 Last Calib.: 2002.01.03
 Start Time: 05:55:15 End Time: 15:08:30 Time On Btm: 2012.10.02 @ 08:34:30
 Time Off Btm: 2012.10.02 @ 11:46:30

TEST COMMENT: B.O.B. in 2 1/2 min.
 Bled off for 5 min. Built to 1/2" return blow
 B.O.B. in 3 min.
 Bled off for 5 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2218.25	102.31	Initial Hydro-static
5	80.23	102.36	Open To Flow (1)
34	486.76	117.06	Shut-In(1)
79	1119.19	115.46	End Shut-In(1)
80	503.27	115.16	Open To Flow (2)
124	811.12	117.10	Shut-In(2)
184	1117.13	115.96	End Shut-In(2)
192	2082.88	114.07	Final Hydro-static

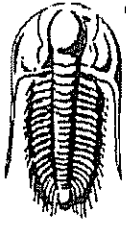
Recovery

Length (ft)	Description	Volume (bbl)
525.00	ocw 5%O 95%W	7.36
525.00	gcow 10%G 30%O 60%W	7.36
930.00	gcw o 15%G 30%W 55%O	13.05

* 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: Tim Lauer

20-18s-35w Wichita Co, KS
Graff Unit 1-20
Job Ticket: 48900 DST#: 2
Test Start: 2012.10.02 @ 05:55:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 60000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.37 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 9600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

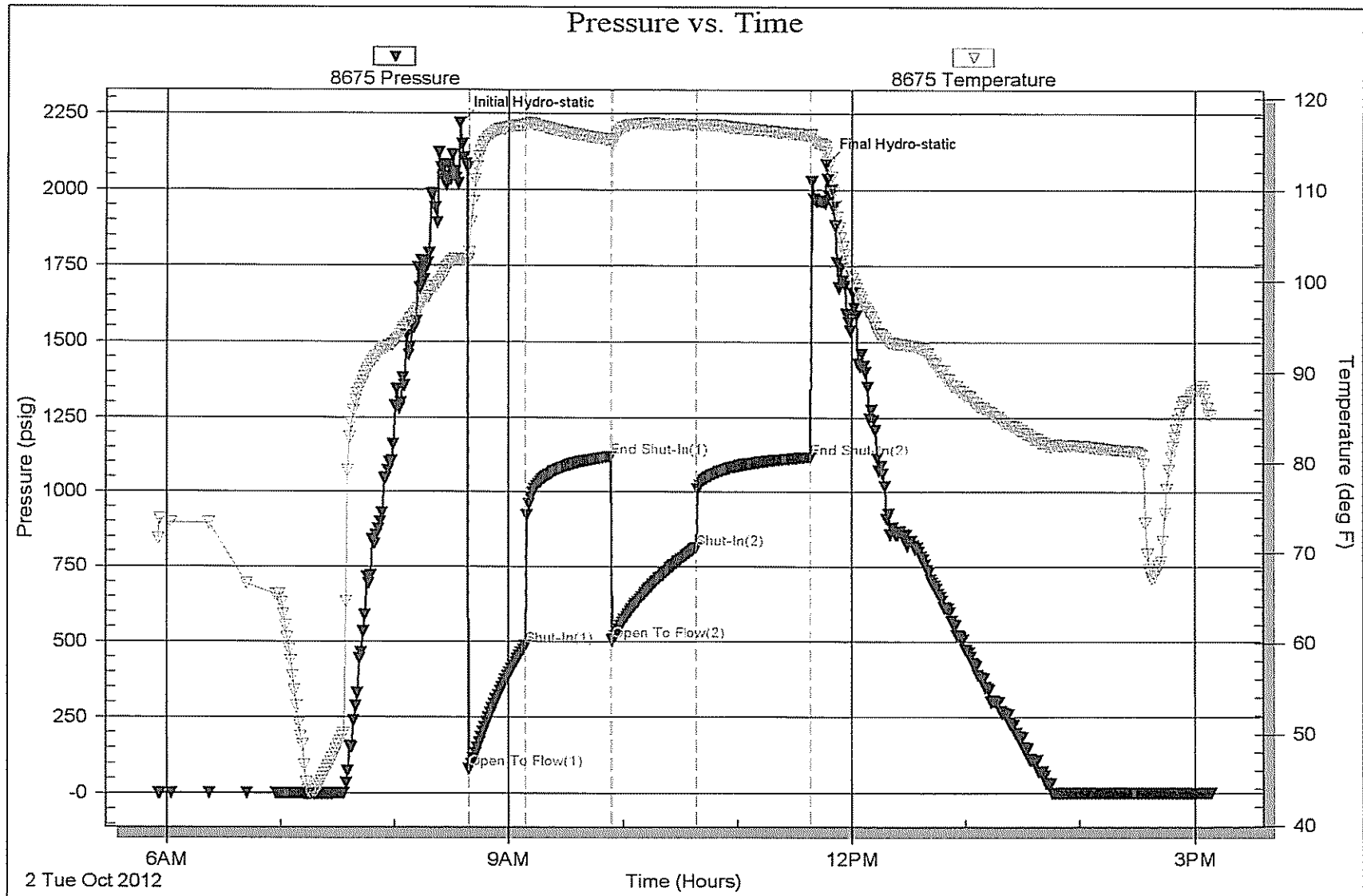
Length ft	Description	Volume bbl
525.00	ocw 5%O 95%W	7.364
525.00	gcow 10%G 30%O 60%W	7.364
930.00	gcwo 15%G 30%W 55%O	13.045

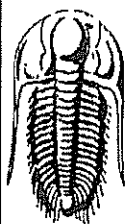
Total Length: 1980.00 ft Total Volume: 27.773 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW. .10 @ 85 F = 60,000
API. 39 @ 80 F = 37





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

20-18s-35w Wichita Co, KS

301 S Market ST
Wichita, KS 67202-3805

Graff Unit 1-20

Job Ticket: 48901

DST#: 3

ATTN: Tim Lauer

Test Start: 2012.10.04 @ 10:10:00

GENERAL INFORMATION:

Formation: **Pawnee & Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:14:15

Time Test Ended: 19:11:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4585.00 ft (KB) To 4635.00 ft (KB) (TVD)

Total Depth: 4635.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3220.00 ft (KB)

3210.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press@RunDepth: 448.61 psig @ 4586.00 ft (KB)

Start Date: 2012.10.04

End Date:

2012.10.04

Capacity: 8000.00 psig

Last Calib.: 2002.01.05

Start Time: 10:10:15

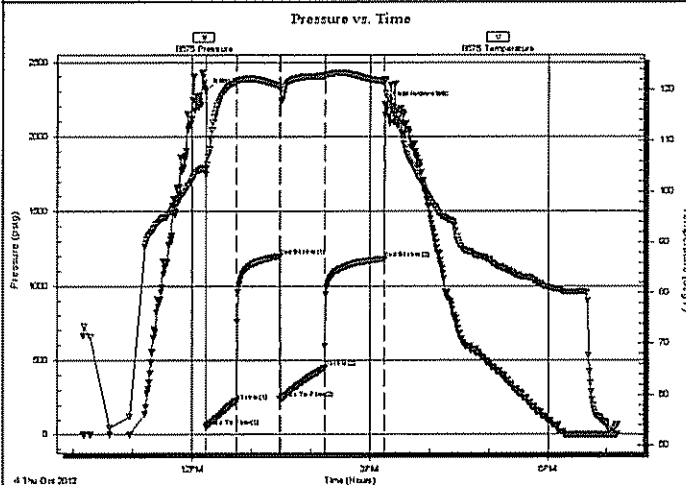
End Time:

19:11:00

Time On Btm: 2012.10.04 @ 12:14:00

Time Off Btm: 2012.10.04 @ 15:15:00

TEST COMMENT: B.O.B. in 2 min.
Bled off for 5 min. B.O.B. in 15 min.
B.O.B. as soon as we opened
Bled off for 5 min. B.O.B. in 20 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2302.98	104.34	Initial Hydro-static
1	54.85	103.30	Open To Flow (1)
31	225.92	121.35	Shut-In(1)
75	1199.19	120.55	End Shut-In(1)
76	242.81	119.96	Open To Flow (2)
120	448.61	122.61	Shut-In(2)
181	1183.05	121.41	End Shut-In(2)
181	2214.90	121.85	Final Hydro-static

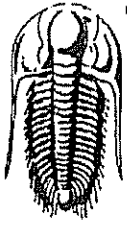
Recovery

Length (ft)	Description	Volume (bbl)
126.00	gcmo 20%G 30%M 50%O	1.77
660.00	gco 30%G 70%O	9.26
504.00	gco 5%G 95%O	7.07
0.00	2550 Feet Gas In Pipe	0.00

* 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: Tim Lauer

20-18s-35w Wichita Co, KS
Graff Unit 1-20
Job Ticket: 48901 DST#: 3
Test Start: 2012.10.04 @ 10:10:00

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:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.56 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: pslg		
Salinity: 3900.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	gcmo 20%G 30%M 50%O	1.767
660.00	gco 30%G 70%O	9.258
504.00	gco 5%G 95%O	7.070
0.00	2550 Feet Gas In Pipe	0.000

Total Length: 1290.00 ft Total Volume: 18.095 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: API 33 @ 50 F = 34

