



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1112137  
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: \_\_\_\_\_



1112137

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Weber A 1-12
Doc ID	1112137

All Electric Logs Run

CDL/CNL/PE
DIL
MEL
SONIC

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Weber A 1-12
Doc ID	1112137

Tops

Name	Top	Datum
Heebner	3996	-978
Lansing	4040	-1022
Stark Shale	4269	-1251
Hushpuckney	4306	-1288
Base KC	4339	-1321
Marmaton	4379	-1361
Pawnee	4475	-1457
Ft. Scott	4502	-1484
Johnson	4598	-1580
Morrow	4621	-1603
Basal Penn	4654	-1636
Mississippian	4670	-1652

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

March 05, 2013

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

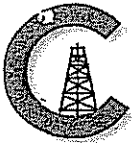
Re: ACO1  
API 15-109-21153-00-00  
Weber A 1-12  
SW/4 Sec.12-13S-32W  
Logan County, Kansas

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 # 256223  
-----  
Invoice Date: 01/25/2013 Terms: 15/15/30,n/30 Page 1  
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LARIO OIL & GAS  
P.O. BOX 1093  
GARDEN CITY KS 637846  
(316)265-5611

WEBER A 1-12  
39294  
12-13-32  
01-25-2013  
KS

*Drilling*  
*AFE-13-012*  
*CK 1/31/13*

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	165.00	17.6500	2912.25
1102	CALCIUM CHLORIDE (50#)	465.00	.8900	413.85
1118B	PREMIUM GEL / BENTONITE	310.00	.2500	77.50

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-510.54
9995-130	CEMENT EQUIPMENT DISCOUNT	-231.75

Description	Hours	Unit Price	Total
399 CEMENT PUMP (SURFACE)	1.00	1085.00	1085.00
399 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.00	50.00
566 MIN. BULK DELIVERY	1.00	410.00	410.00

Amount Due 5214.09 if paid after 02/24/2013

Parts:	3403.60	Freight:	.00	Tax:	225.67	AR	4431.98
Labor:	.00	Misc:	.00	Total:	4431.98		
Sublt:	-742.29	Supplies:	.00	Change:	.00		

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



**CONSOLIDATED**  
Oil Well Services, LLC

256223

TICKET NUMBER 39294  
LOCATION Oakley MS  
FOREMAN Miles Shaw

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
1-25-13	4793	Weber A #12	12	138	32W	Logan
CUSTOMER <u>Lario Oil &amp; Gas</u>			Oakley South to Central Rd 12 E 14 S.			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			STATE	ZIP CODE		
			399	Damon M		
			506	Tim W		

JOB TYPE Surf HOLE SIZE 12 1/4" HOLE DEPTH 271 CASING SIZE & WEIGHT 8 5/8" 23 #  
 CASING DEPTH 271 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 SLURRY VOL 136 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 16 1/2 bbl/s DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting and rig up on Southwind drill rig. Circulate casing mix 165 SAs Class A cement with 3% Calcium Chloride 28 gal displaced 16 1/2 bbl/s water. Shut in cement did circulate 5 bbl/s to pit.

Thanks Miles & Crew

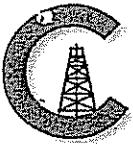
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1085. <sup>00</sup>	1085. <sup>00</sup>
5406	10	MILEAGE	5. <sup>00</sup>	50. <sup>00</sup>
5407	7.75 tons	Ton mileage delivery min	410. <sup>00</sup>	410. <sup>00</sup>
11045	165 SAs	Class A Cement	17.65	2912.25
1102	465 #	Calcium Chloride	1.89	483.85
1118B	310 #	Bentonite gel	.25	77.50
			Subtotal	4948.60
			less 15% discount	742.29
			Subtotal	4206.31
			SALES TAX	225.67
			ESTIMATED TOTAL	4431.98

**Completed**

Ravin 3737

AUTHORIZATION [Signature] TITLE Toolpusher DATE 1-24/13

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.



**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 # 256223

Invoice Date: 01/25/2013 Terms: 15/15/30,n/30 Page 1

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

WEBER A 1-12  
39294  
12-13-32  
01-25-2013  
KS

Drilling  
AFE-13-012  
CK 113113

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Sublt:	-742.29	Supplies:	.00	Change:	.00		

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





**CONSOLIDATED**  
Oil Well Services, LLC

256223

TICKET NUMBER 39294  
LOCATION Ogley KS  
FOREMAN Miles Shaw

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

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

KS

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CUSTOMER		Ogley South to Central Rd 12 E 11.5.	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			399	Damon M		
CITY			566	Tim W		
STATE						
ZIP CODE						

JOB TYPE Surfave HOLE SIZE 12 3/4" HOLE DEPTH 271 CASING SIZE & WEIGHT 8 5/8" 23 #  
CASING DEPTH 271 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 14.8 SLURRY VOL 136 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
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REMARKS: Safety meeting and rig up on Southwind drill rig. Circulate casing mix 165 SWS common class A cement with 3% calcium 28 gel displaced 16 1/2 bbls water. Slurry cement did circulate 5 bbls to pit.

Thanks Miles & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
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			Subtotal	4206.31
			SALES TAX	225.67
			ESTIMATED TOTAL	4431.98

completed

AUTHORIZATION [Signature] TITLE Toolpusher DATE 1-28/13

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.



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 134786  
Invoice Date: Feb 4, 2013  
Page: 1

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

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

drilling AFE 13-012  
2-18-13 LR

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Lario	58844	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Feb 4, 2013	3/6/13

Quantity	Item	Description	Unit Price	Amount
		<u>Weber A #1-12</u>		
123.00	MAT	Class A Common	17.90	2,201.70
82.00	MAT	Pozmix	9.35	766.70
7.00	MAT	Gel	23.40	163.80
51.00	MAT	Flo Seal	2.97	151.47
220.15	SER	Cubic Feet	2.48	545.97
147.08	SER	Ton Mileage	2.60	382.43
1.00	SER	Rotary Plug	2,483.59	2,483.59
16.00	SER	Pump Truck Mileage	7.70	123.20
16.00	SER	Light Vehicle Mileage	4.40	70.40
1.00	EQP.	8.5/8 Wooden Plug	107.46	107.46
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Kevin Ryan		

ad  
fl  
  
je  
  
[Signature]

Subtotal	6,996.72
Sales Tax	545.74
Total Invoice Amount	7,542.46
Payment/Credit Applied	
<b>TOTAL</b>	<b>7,542.46</b>

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

\$ 2,099.01

ONLY IF PAID ON OR BEFORE  
Mar 1, 2013

# ALLIED OIL & GAS SERVICES, LLC 058844

Federal Tax I.D.# 20-5976804

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Dakley, KY

DATE <u>7/4/13</u>	SEC. <u>12</u>	TWR. <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30p</u>	JOB FINISH <u>6:30p</u>
WELDER A LEASE	WELL# <u>1-12</u>	LOCATION <u>Dakley 135 1 3/4 E N 20</u>			COUNTY <u>Wagon</u>	STATE <u>KY</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Southward 20

TYPE OF JOB PTA Rotary

HOLE SIZE 7 7/8 T.D.

CASING SIZE 8 7/8 DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 2540'

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER Same

CEMENT AMOUNT ORDERED 205 60/40 400 gal

EQUIPMENT

PUMP TRUCK CEMENTER Alan Ryan 1

# 422 HELPER Wayne McHugh 2

BULK TRUCK DRIVER Kevin Ryan 3

# 404

BULK TRUCK DRIVER

COMMON <u>123</u>	@ <u>17.90</u>	<u>2201.70</u>
POZMIX <u>80</u>	@ <u>9.35</u>	<u>766.70</u>
GEL <u>7</u>	@ <u>23.90</u>	<u>163.00</u>
CHLORIDE	@	
ASC	@	
<u>FloSol</u>	@ <u>51.16</u>	<u>292.47</u>
HANDLING <u>220 CF</u>	@ <u>2.42</u>	<u>545.40</u>
MILBAGE <u>9.193</u>	@ <u>38.20</u>	<u>352.00</u>
TOTAL		<u>4212.07</u>

REMARKS:

25 2540'

100 1450'

40 320'

10 - 40'

305% Best Hole

J. K. F.  
Alan Ryan  
Kevin Ryan

CHARGE TO: Liquid Oil & Gas

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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.

PRINTED NAME SAG STAIN

SIGNATURE Lawrence

SERVICE

DEPTH OF JOB 2540'

PUMP TRUCK CHARGE 2483.59

EXTRA FOOTAGE @ \_\_\_\_\_

MILBAGE 14 miles @ 7.20 100.80

MANIFOLD 6 1/2 inch 11 miles @ 4.40 20.40

TOTAL 2677.19

PLUG & FLOAT EQUIPMENT

8 5/8 Wood Plug @ 107.46

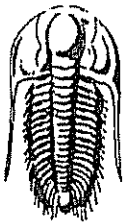
TOTAL 107.46

SALES TAX (If Any) 545.74

TOTAL CHARGES 6996.72

DISCOUNT 2099.01 IF PAID IN 30 DAYS

4897.71



**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co.  
301 S Market St.  
Wichita KS 67202  
ATTN: Steve Murphy

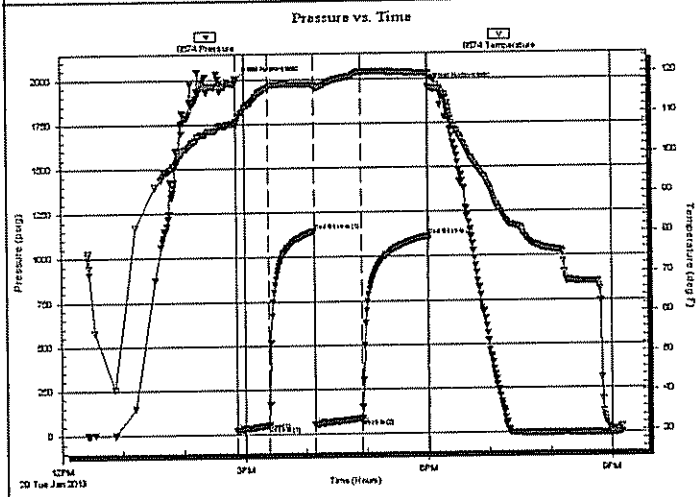
12-13s-32w Logan Co. KS  
**Weber A #1-12**  
Job Ticket: 49994      DST#: 1  
Test Start: 2013.01.29 @ 12:26:00

### GENERAL INFORMATION:

Formation: LKC "B"  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 14:52:10  
Time Test Ended: 21:09:55  
Interval: 4068.00 ft (KB) To 4090.00 ft (KB) (TVD)  
Total Depth: 4090.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Will MacLean  
Unit No: 58  
Reference Elevations: 3018.00 ft (KB)  
3006.00 ft (CF)  
KB to GR/CF: 12.00 ft

**Serial #: 8674**      Inside  
Press@RunDepth: 87.24 psig @ 4069.00 ft (KB)  
Start Date: 2013.01.29      End Date: 2013.01.29  
Start Time: 12:26:00      End Time: 21:09:55  
Capacity: 8000.00 psig  
Last Calib.: 2013.01.29  
Time On Btm: 2013.01.29 @ 14:51:55  
Time Off Btm: 2013.01.29 @ 18:00:54

TEST COMMENT: IF- Weak Surface Blow Built to 4"  
IS- No Blow  
FF- Weak Surface Blow Built to 1 3/4"  
FSI- No Blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1995.48	107.67	Initial Hydro-static
1	21.17	106.69	Open To Flow (1)
32	49.92	116.20	Shut-In(1)
77	1145.60	116.96	End Shut-In(1)
78	52.52	116.49	Open To Flow (2)
123	87.24	120.01	Shut-In(2)
189	1114.24	119.55	End Shut-In(2)
189	1951.18	119.71	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
62.00	WCM 30%w 70%mw with Skim of Oil on	10.87
62.00	OMCW 1%oil 28%w 71%w	0.87
10.00	OMCW 3%oil 45%w 52%w	0.14
20.00	Oil 100%oil	0.28

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Co.

12-13s-32w Logan Co. KS

301 S Market St.  
Wichita KS 67202

Weber A #1-12

Job Ticket: 49994

DST#: 1

ATTN: Steve Murphy

Test Start: 2013.01.29 @ 12:26:00

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

84000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
62.00	WCM 30%w 70%m with Skim of Oil on Top	0.870
62.00	OMCW 1%oil 28%m 71%w	0.870
10.00	OMCW 3%oil 45%w 52%m	0.140
20.00	Oil 100%oil	0.281

Total Length: 154.00ft Total Volume: 2.161 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .199 @ 32f = 84000

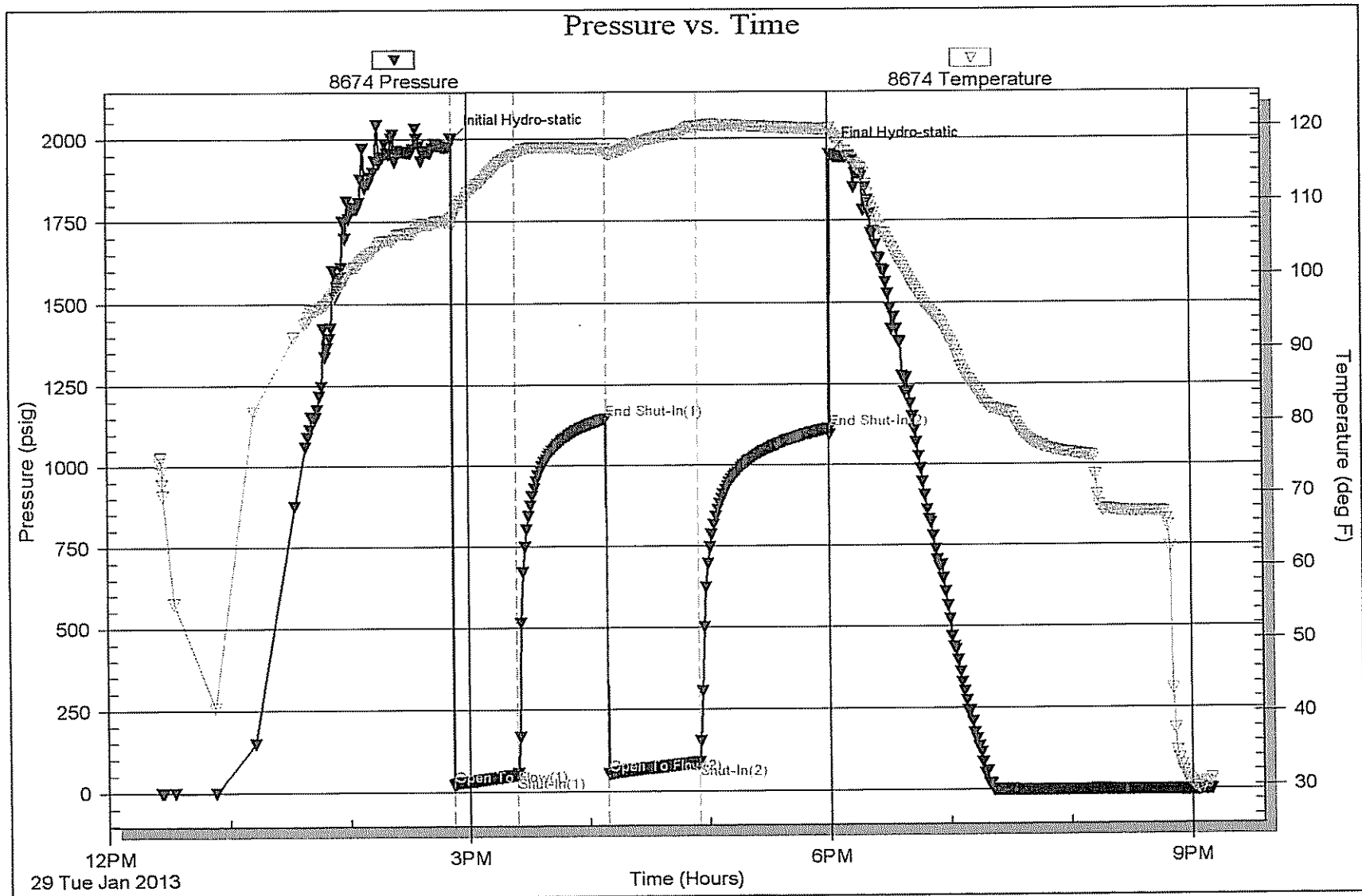
API is 23 @ 30f = 26

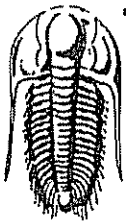
Serial #: 8674

Inside Lario Oil & Gas Co.

Weber A #1-12

DST Test Number: 1





**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co.  
301 S Market St.  
Wichita KS 67202  
ATTN: Steve Murphy

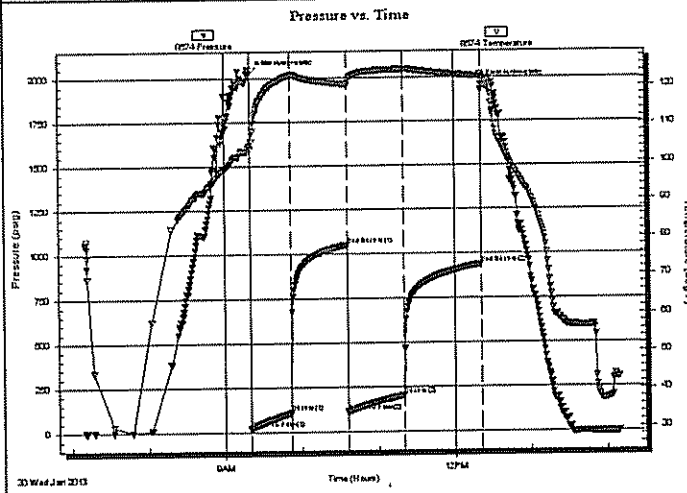
12-13s-32w Logan Co. KS  
**Weber A #1-12**  
Job Ticket: 51419      DST#: 2  
Test Start: 2013.01.30 @ 07:10:34

### GENERAL INFORMATION:

Formation: "D"  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 09:20:04  
Time Test Ended: 14:08:49  
Interval: 4108.00 ft (KB) To 4140.00 ft (KB) (TVD)  
Total Depth: 4140.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Tate Lang  
Unit No: 58  
Reference Elevations: 3018.00 ft (KB)  
3006.00 ft (CF)  
KB to GR/CF: 12.00 ft

**Serial #: 8674**      Inside  
Press@RunDepth: 204.92 psig @ 4109.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.01.30      End Date: 2013.01.30      Last Calib.: 2013.01.30  
Start Time: 07:10:39      End Time: 14:08:48      Time On Btm: 2013.01.30 @ 09:19:49  
Time Off Btm: 2013.01.30 @ 12:21:04

TEST COMMENT: IF-B.O.B. in 17 mins.  
IS-Dead no return  
FF-B.O.B. in 25 mins  
FSI-Dead no return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2027.12	104.24	Initial Hydro-static
1	22.14	103.39	Open To Flow (1)
32	110.21	123.08	Shut-In(1)
76	1050.35	120.52	End Shut-In(1)
76	112.70	120.03	Open To Flow (2)
121	204.92	124.43	Shut-In(2)
181	938.70	122.41	End Shut-In(2)
182	1957.91	122.57	Final Hydro-static

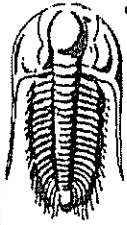
### Recovery

Length (ft)	Description	Volume (bbl)
124.00	30%M 70%W	1.74
248.00	5%M 95%W	3.48

\* 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.

12-13s-32w Logan Co. KS

301 S Market St.  
Wichita KS 67202

Weber A #1-12

Job Ticket: 51419

DST#: 2

ATTN: Steve Murphy

Test Start: 2013.01.30 @ 07:10:34

**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:

98000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filler Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
124.00	30%M 70%W	1.739
248.00	5%M 95%W	3.479

Total Length: 372.00ft Total Volume: 5.218 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

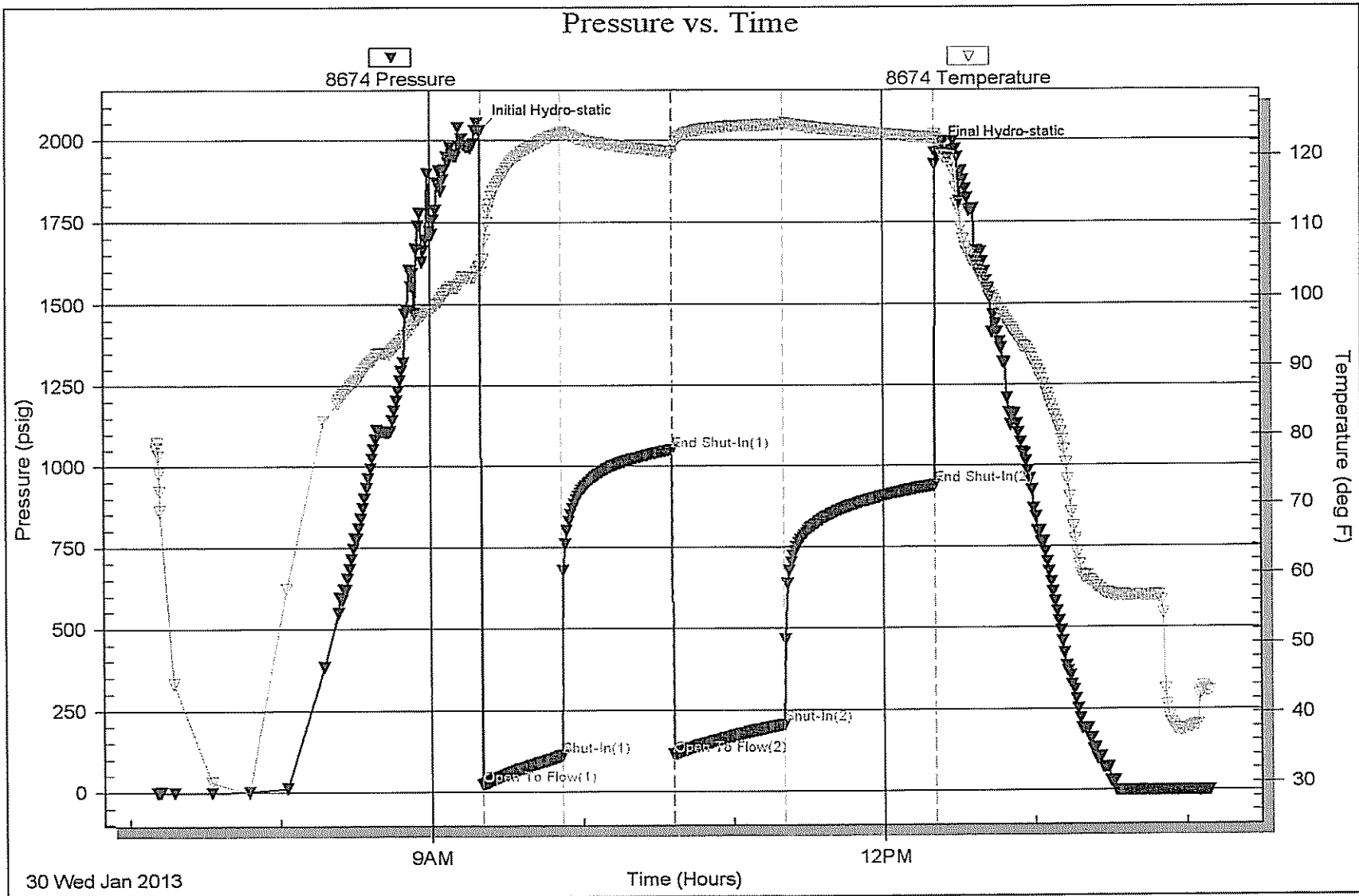
Serial #:

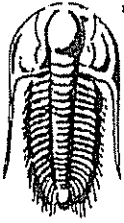
Laboratory Name:

Laboratory Location:

Recovery Comments: AIP RW .139 @ 40F = 98000







**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co.

12-13s-32w Logan Co. KS

301 S Market St.  
Wichita KS 67202

Weber A #1-12

Job Ticket: 51420

DST#: 3

ATTN: Steve Murphy

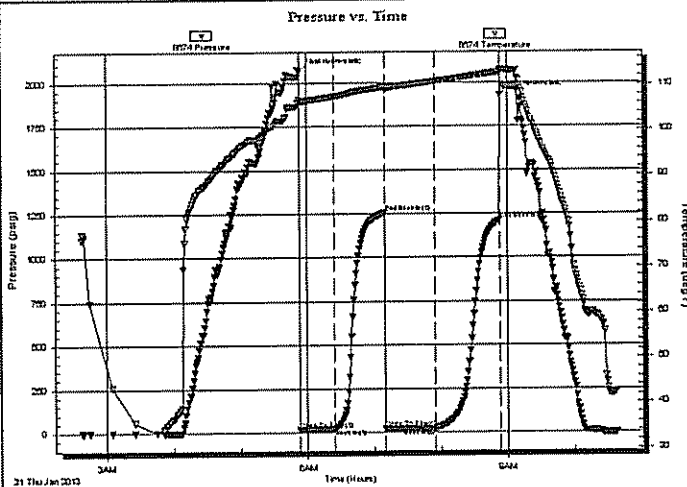
Test Start: 2013.01.31 @ 02:37:56

### GENERAL INFORMATION:

Formation: "H"  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 05:53:11  
 Time Test Ended: 10:38:11  
 Interval: 4190.00 ft (KB) To 4220.00 ft (KB) (TVD)  
 Total Depth: 4220.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Tate Lang  
 Unit No: 58  
 Reference Elevations: 3018.00 ft (KB)  
 3006.00 ft (CF)  
 KB to GR/CF: 12.00 ft

Serial #: 8674 Inside  
 Press@RunDepth: 23.88 psig @ 4191.00 ft (KB)  
 Start Date: 2013.01.31 End Date: 2013.01.31  
 Start Time: 02:38:01 End Time: 10:38:10  
 Capacity: 8000.00 psig  
 Last Calib.: 2013.01.31  
 Time On Btm:  
 Time Off Btm: 2013.01.31 @ 05:52:41

TEST COMMENT: IF-Weak surface blow built 3/4 in.  
 IS-Dead no return  
 FF-Dead no blow  
 FSI-Dead no return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2062.11	106.61	Final Hydro-static
1	18.46	106.10	Open To Flow (1)
32	21.05	107.44	Shut-In(1)
78	1255.41	109.59	End Shut-In(1)
78	24.59	108.79	Open To Flow (2)
122	23.88	110.74	Shut-In(2)
181	1212.34	112.72	End Shut-In(2)
181	1928.62	113.21	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%O	0.07
10.00	5%O 95%M	0.14

\* 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.

12-13s-32w Logan Co. KS

301 S Market St.  
Wichita KS 67202

**Weber A #1-12**

Job Ticket: 51420

DST#: 3

ATTN: Steve Murphy

Test Start: 2013.01.31 @ 02:37:56

**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: 44.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
5.00	100%O	0.070
10.00	5%O 95%M	0.140

Total Length: 15.00 ft      Total Volume: 0.210 bbf

Num Fluid Samples: 0

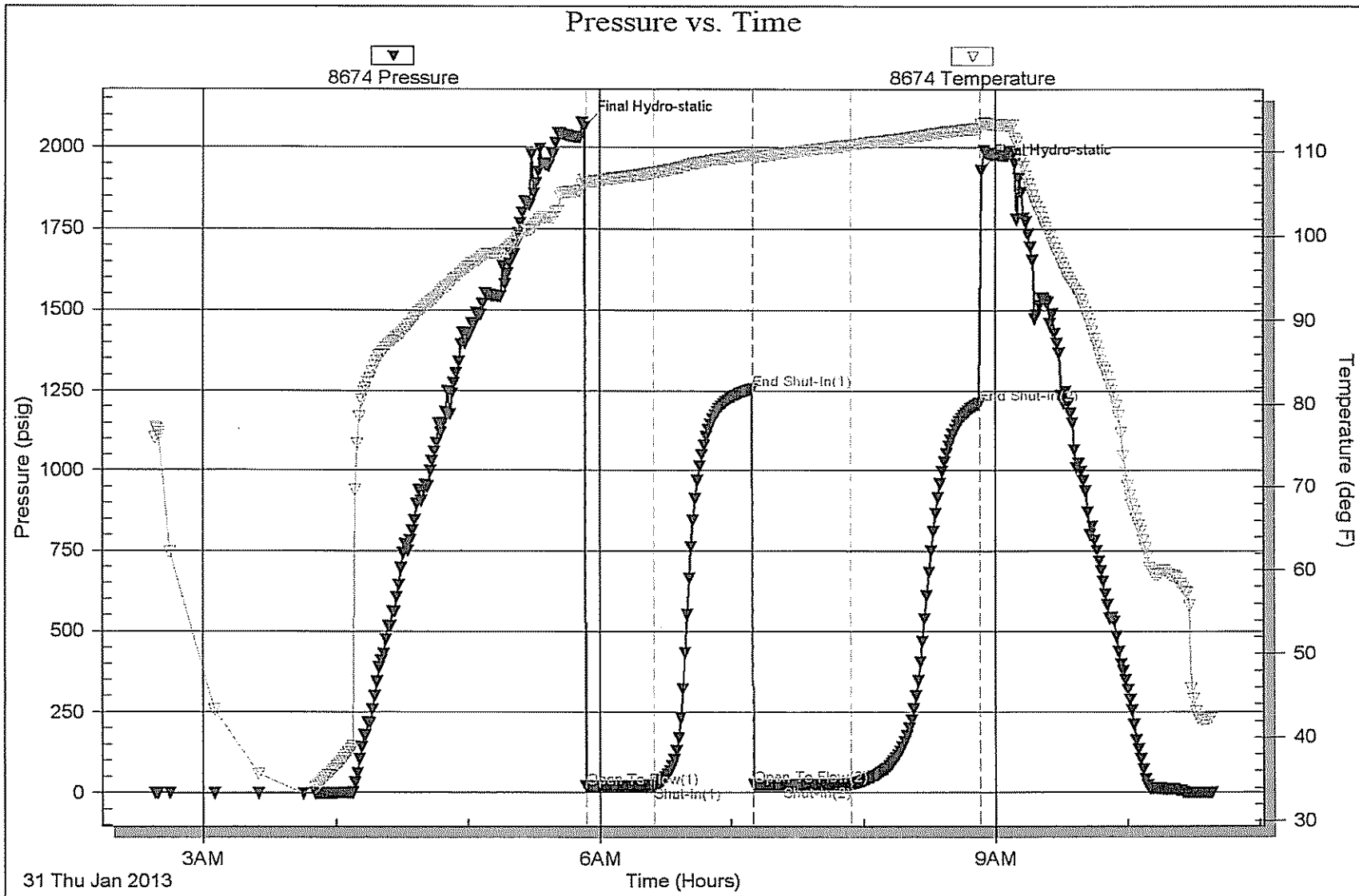
Num Gas Bombs: 0

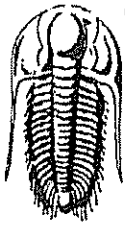
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil & Gas Co.  
 301 S Market St.  
 Wichita KS 67202  
 ATTN: Steve Murphy

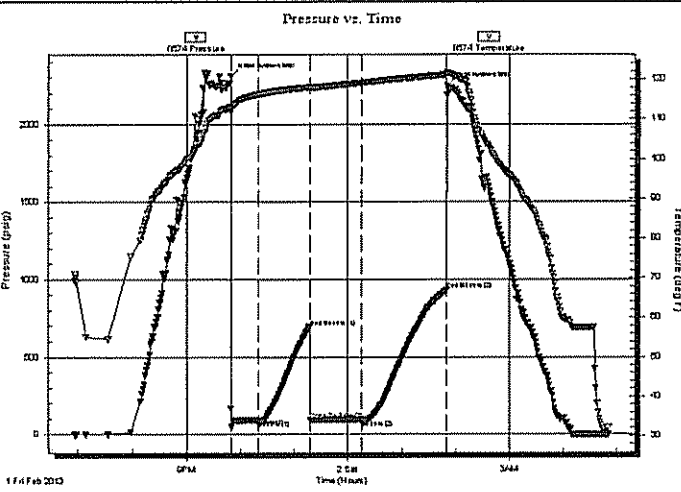
12-13s-32w Logan Co. KS  
**Weber A #1-12**  
 Job Ticket: 51421      DST#: 4  
 Test Start: 2013.02.01 @ 18:56:22

## GENERAL INFORMATION:

Formation: **Johnson**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:49:52  
 Time Test Ended: 04:50:22  
 Interval: **4580.00 ft (KB) To 4620.00 ft (KB) (TVD)**  
 Total Depth: **4620.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Tate Lang  
 Unit No: 58  
 Reference Elevations: 3018.00 ft (KB)  
 3006.00 ft (CF)  
 KB to GR/CF: 12.00 ft

**Serial #: 8674** Inside  
 Press@RunDepth: 94.03 psig @ 4584.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.02.01 End Date: 2013.02.02 Last Calib.: 2013.02.02  
 Start Time: 18:56:27 End Time: 04:50:22 Time On Btm: 2013.02.01 @ 21:48:52  
 Time Off Btm: 2013.02.02 @ 01:50:52

TEST COMMENT: IF-Tool slid 20' and had to pick up one more joint of pipe .Strong blow built to 11 1/2 in. in 5 mins died back to 6 in.  
 IS-Dead no return  
 FF-Dead no blow  
 FS-Dead no return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2307.52	113.04	Initial Hydro-static
1	47.97	113.03	Open To Flow (1)
31	91.20	116.27	Shut-In(1)
89	694.04	118.03	End Shut-In(1)
89	92.07	117.84	Open To Flow (2)
147	94.03	119.14	Shut-In(2)
242	932.65	121.16	End Shut-In(2)
242	2244.66	121.42	Final Hydro-static

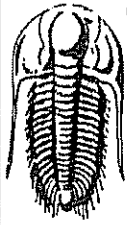
## Recovery

Length (ft)	Description	Volume (bbl)
144.00	100% M	2.02

\* 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 & Gas Co.

**12-13s-32w Logan Co. KS**

301 S Market St.  
Wichita KS 67202

**Weber A #1-12**

Job Ticket: 51421

DST#: 4

ATTN: Steve Murphy

Test Start: 2013.02.01 @ 18:56:22

**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: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
144.00	100% M	2.020

Total Length: 144.00 ft      Total Volume: 2.020 bbl

Num Fluid Samples: 0

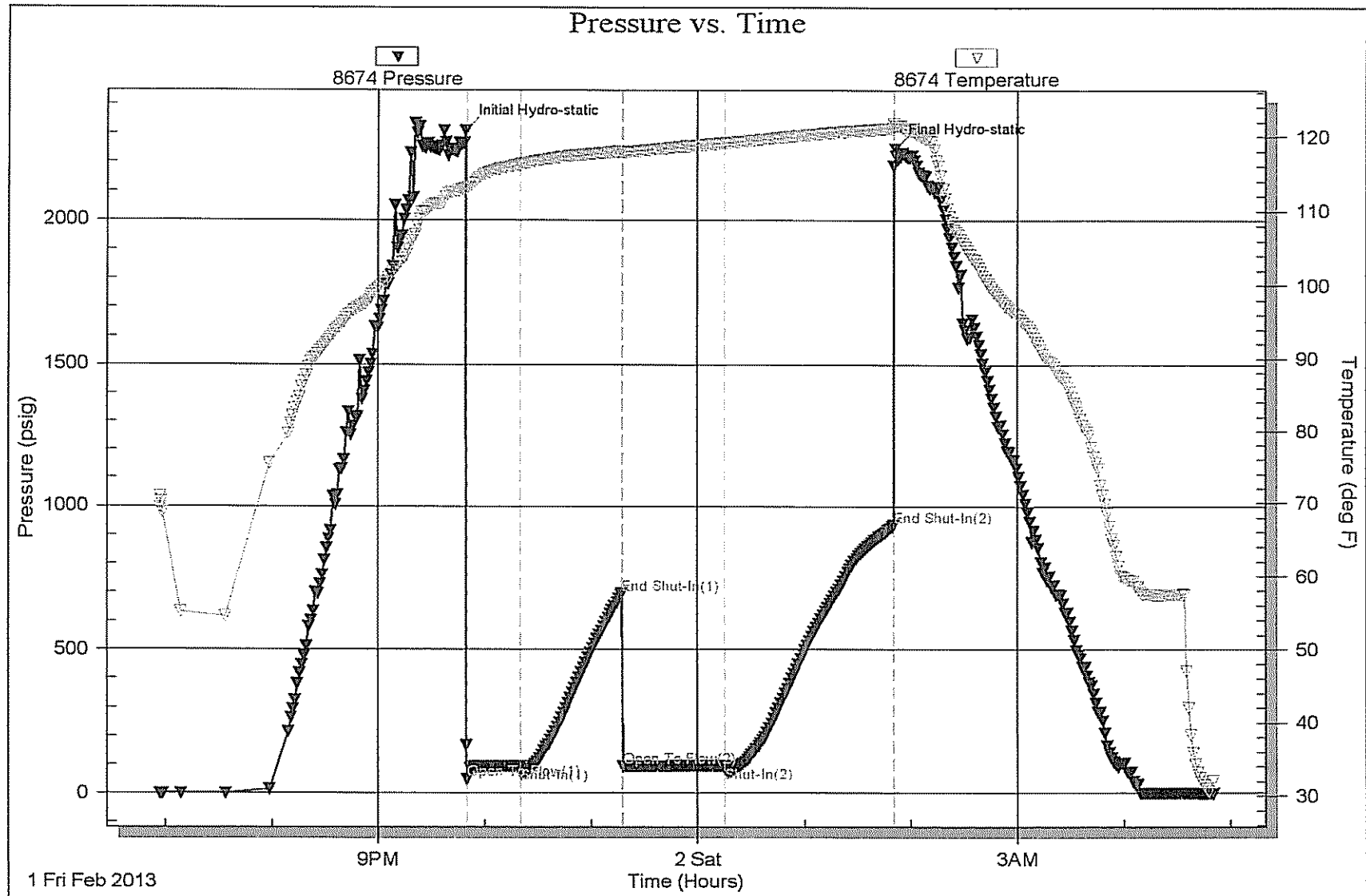
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas Co.

12-13s-32w Logan Co. KS

301 S Market St.  
Wichita KS 67202

Weber A #1-12

Job Ticket: 49033

DST#: 5

ATTN: Steve Murphy

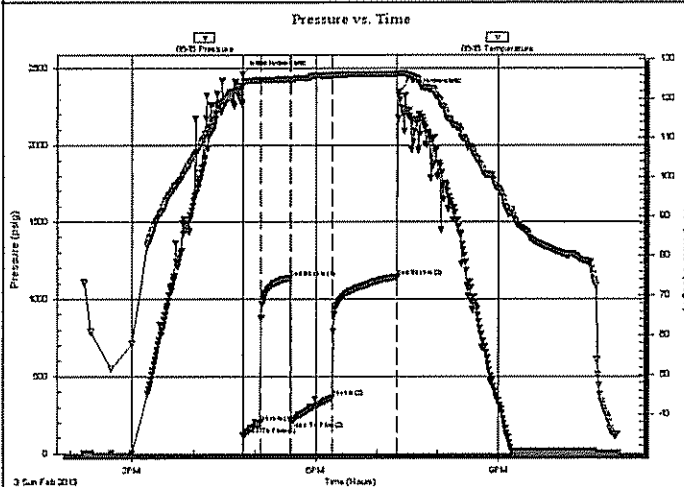
Test Start: 2013.02.03 @ 14:13:15

## GENERAL INFORMATION:

Formation: **Johnson**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:48:45  
 Time Test Ended: 22:56:30  
 Interval: 4590.00 ft (KB) To 4651.00 ft (KB) (TVD)  
 Total Depth: 4651.00 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: 3018.00 ft (KB)  
 3006.00 ft (CF)  
 KB to GR/CF: 12.00 ft

**Serial #: 8646** Inside  
 Press@RunDepth: 365.08 psig @ 4593.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.02.03 End Date: 2013.02.03 Last Calib.: 2013.02.03  
 Start Time: 14:13:15 End Time: 22:56:30 Time On Blm: 2013.02.03 @ 16:48:15  
 Time Off Blm: 2013.02.03 @ 19:22:00

TEST COMMENT: IF: BOB in 8 min.  
 IS: No return blow  
 FF: BOB in 14 min.  
 FS: No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2466.78	123.42	Initial Hydro-static
1	117.88	123.43	Open To Flow (1)
18	199.26	124.63	Shut-In(1)
46	1134.96	124.94	End Shut-In(1)
47	213.23	124.84	Open To Flow (2)
89	365.08	125.88	Shut-In(2)
152	1141.76	126.26	End Shut-In(2)
154	2348.18	126.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
650.00	mud 100% m	9.12

\* 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.

12-13s-32w Logan Co. KS

301 S Market St.  
Wichita KS 67202

Weber A #1-12

Job Ticket: 49033

DST#: 5

ATTN: Steve Murphy

Test Start: 2013.02.03 @ 14:13:15

### 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: 40.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
650.00	mud 100% m	9.118

Total Length: 650.00 ft      Total Volume: 9.118 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

