



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1191120
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: _____

1191120

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	Berend 1-29
Doc ID	1191120

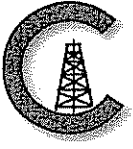
All Electric Logs Run

CDL/CNL/PE
DIL
MEL
SONIC

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Berend 1-29
Doc ID	1191120

Tops

Name	Top	Datum
Heebner	3923	-786
Lansing	3974	-837
Stark Shale	4279	-1142
Hushpuckney	4328	-1191
Base KC	4420	-1283
Marmaton	4454	-1317
Pawnee	4555	-1418
Ft. Scott	4575	-1438
Johnson	4682	-1545
Morrow	4780	-1643
Basal Penn	4872	-1735
Mississippian	4890	-1753
St. Louis	4929	-1792



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 # 266173

Invoice Date: 02/27/2014 Terms: 10/10/30,n/30 Page 1

LARIO OIL & GAS
P.O. BOX 1093
GARDEN CITY KS 67846
(316)265-5611

Berand 1-29
drilling AFS 14-005
3-3-14 4K

BERAND 1-29
43043
29-19-35
02-25-2014
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	225.00	18.5500	4173.75
1102	CALCIUM CHLORIDE (50#)	636.00	.9400	597.84
1118B	PREMIUM GEL / BENTONITE	424.00	.2700	114.48
4432	8 5/8" WOODEN PLUG	1.00	100.7500	100.75
1111	SODIUM CHLORIDE (GRANULA)	100.00	.0000	.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-748.02
9995-130	CEMENT EQUIPMENT DISCOUNT	-315.00

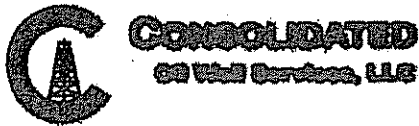
Description	Hours	Unit Price	Total
466 TON MILEAGE DELIVERY	1.00	740.00	740.00
57 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
57 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.25	210.00

[Handwritten signature]
MAR 4 2014
[Handwritten initials]

Amount Due 7493.24 if paid after 03/29/2014

Parts:	4986.82	Freight:	.00	Tax:	345.46	AR	6369.26
Labor:	.00	Misc:	.00	Total:	6369.26		
Sublt:	-1063.02	Supplies:	.00	Change:	.00		

Signed _____ Date _____



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

266173

TICKET NUMBER 43043
LOCATION Oakley, Ks.
FOREMAN Dauen

FIELD TICKET & TREATMENT REPORT
CEMENT Ks.

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2/25/14	4793	Berand 1-29	29	19	35	Wichita
CUSTOMER Lario Oil & Gas			mariantha 57 Einto			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			57	Cory		
STATE			466	Steven		
ZIP CODE				Jeff		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 342 CASING SIZE & WEIGHT 8 5/8, 23 #
 CASING DEPTH 346.10 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14 # SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT In CASING 20'
 DISPLACEMENT 20.74 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting Rig up on Duke #4 Run Casing Break Circulation with
Rig Pump Hookup to Pump Truck mix 225 sks Com 3%CC 2% Gel Release plug
Displace Down with 20.74 bbl Washup Pump + Lines Shut in Rig Down
Cement Did Circulate

Approx 5 bbl To Pit

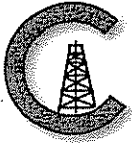
Thanks Dauen + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	\$1150.00	\$1150.00
5406	40	MILEAGE	\$5.25	\$210.00
5407 A	10.58	Ton mileage Delivery	\$1.75	\$740.80
1104 S	225 SKS	Class 'A' Cement	\$18.55	\$4173.75
1102	636 #	Calcium Chloride	\$.94	\$597.84
1118 B	424 #	Bentonite	\$.27	\$114.48
4432	1	8 5/8 Wooden Plug	\$100.75	\$100.75
1111	100 #	Salt	NC	NC
			SubTotal	\$7086.82
			Less 15%	\$1063.02
			SubTotal	\$6023.80
			8.15	SALES TAX
				\$345.46
				ESTIMATED TOTAL
				\$6369.26

Form 3737

AUTHORIZATION Rick Wheeler TITLE TP 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 # 266419

Invoice Date: 03/12/2014 Terms: 15/15/30,n/30 Page 1

LARIO OIL & GAS
P.O. BOX 1093
GARDEN CITY KS 67846
(316)265-5611

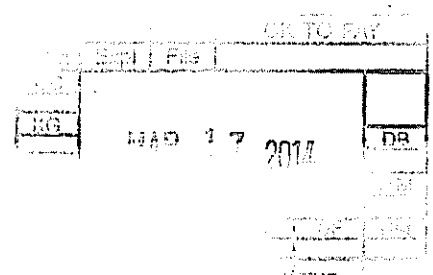
~~BERAND 1-29~~
44644
29-19-35
03-10-2014
KS

Berand 1-29
drilling AFE 14-005
3-14-14

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	230.00	15.8600	3647.80
1118B	PREMIUM GEL / BENTONITE	791.00	.2700	213.57
1107	FLO-SEAL (25#)	58.00	2.9700	172.26

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-605.04
9995-130	CEMENT EQUIPMENT DISCOUNT	-344.61

Description	Hours	Unit Price	Total
399 P & A NEW WELL	1.00	1395.00	1395.00
399 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.25	210.00
566 TON MILEAGE DELIVERY	1.00	692.40	692.40



Amount Due 6659.78 if paid after 04/11/2014

Parts:	4033.63	Freight:	.00	Tax:	279.44	AR	5660.82
Labor:	.00	Misc:	.00	Total:	5660.82		
Sublt:	-949.65	Supplies:	.00	Change:	.00		

Signed _____ Date _____

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



CONSOLIDATED
Oil Well Services, LLC

266419

TICKET NUMBER 44644
LOCATION Oakley KS.
FOREMAN Damon M

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
3-10-14	4793	BERNARD 1-29	29	19	35	WICHITA
CUSTOMER LARIO OIL & GAS		MAILING ADDRESS 301 S. MARKET ST.		CITY WICHITA		STATE KS
CITY		STATE	ZIP CODE	REMARKS MARKED to RD 20 57 E INTO		
TRUCK #		DRIVER		TRUCK #		DRIVER
399		MIKE R.				
566		STEVEN O.				

JOB TYPE PLUG HOLE SIZE 7 7/8 HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: SAFETY MEETING Big UP ON DUKE #4 PLUG AS ORDERED WITH 230 SKS
60/40 4 1/2 gal #14 FLOSERAL

50 SKS @ 2900'
80 SKS @ 1170'
50 SKS @ 370'
20 SKS @ 60'
R.H. 30SKS

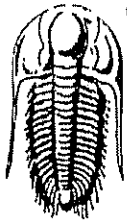
THANK YOU DIAMOND CREW

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1395.00	1395.00 ✓
5406	40	MILEAGE	5.25	210.00 ✓
5407	9.89	TON MILEAGE DELIVERY	1.75	692.40 ✓
1131	230SKS	60/40 Poz	15.86	3647.80 ✓
1118B	791#	BENBONITE	.27	213.57 ✓
1107	58#	FLOSERAL	2.97	172.26 ✓
			SUBTOTAL	6331.03 ✓
			LESS 15%	949.65 ✓
			SUBTOTAL	5381.38 ✓
			SALES TAX	279.44 ✓
			ESTIMATED TOTAL	5660.82 ✓

completed

AUTHORIZATION [Signature] TITLE TP 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 fo



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lario Oil And Gas Company

29-19s35w Wichita Co,KS

301 S Market St.
Wichita KS
67202

Berend 1 29

Job Ticket: 56406 DST#: 1

ATTN: Brad Rine

Test Start: 2014.03.02 @ 17:06:15

GENERAL INFORMATION:

Formation: **Lansing C-D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:53:45
 Time Test Ended: 01:20:00

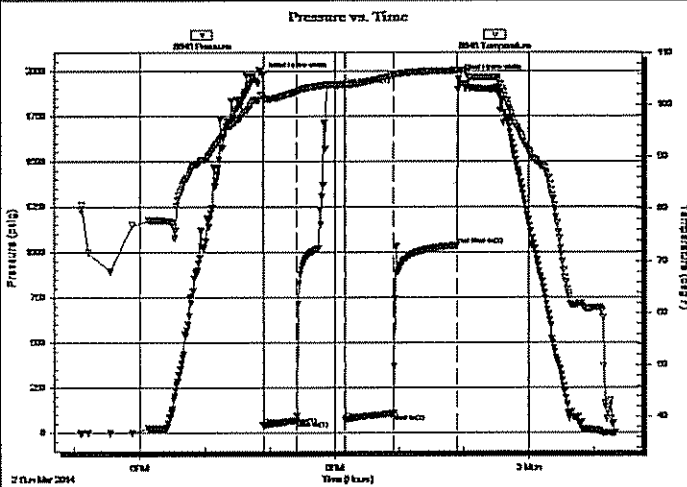
Test Type: Conventional Bottom Hole (Initial)
 Tester: Mike Roberts
 Unit No: 65

Interval: **4030.00 ft (KB) To 4085.00 ft (KB) (TVD)**
 Total Depth: **4085.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair

Reference Elevations: **3137.00 ft (KB)**
3130.00 ft (CF)
 KB to GR/CF: **7.00 ft**

Serial #: 8846	Inside				
Press@RunDepth:	108.53 psig @	4032.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2014.03.02	End Date:	2014.03.03	Last Calib.:	2014.03.03
Start Time:	17:06:15	End Time:	01:20:00	Time On Btm:	2014.03.02 @ 19:53:15
				Time Off Btm:	2014.03.02 @ 22:54:30

TEST COMMENT: IF:Built to 8" blow
 IS:No return blow
 FF:Built to 8" blow
 FS:No return blow



PRESSURE SUMMARY

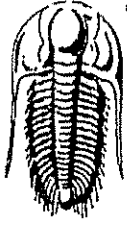
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1972.21	101.85	Initial Hydro-static
1	44.78	101.35	Open To Flow (1)
32	69.08	102.57	Shut-In(1)
77	1920.74	104.11	End Shut-In(1)
77	75.80	103.83	Open To Flow (2)
122	108.53	105.68	Shut-In(2)
180	1036.64	106.61	End Shut-In(2)
182	1956.71	106.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mud with oil spots	2.61

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil And Gas Company

29-19s35w Wichita Co,KS

301 S Market St.
Wichita KS
67202
ATTN: Brad Rine

Berend 1 29
Job Ticket: 56406 DST#: 1
Test Start: 2014.03.02 @ 17:06:15

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 7.19 in²
Resistivity: 0.00 ohm.m
Salinity: 3800.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

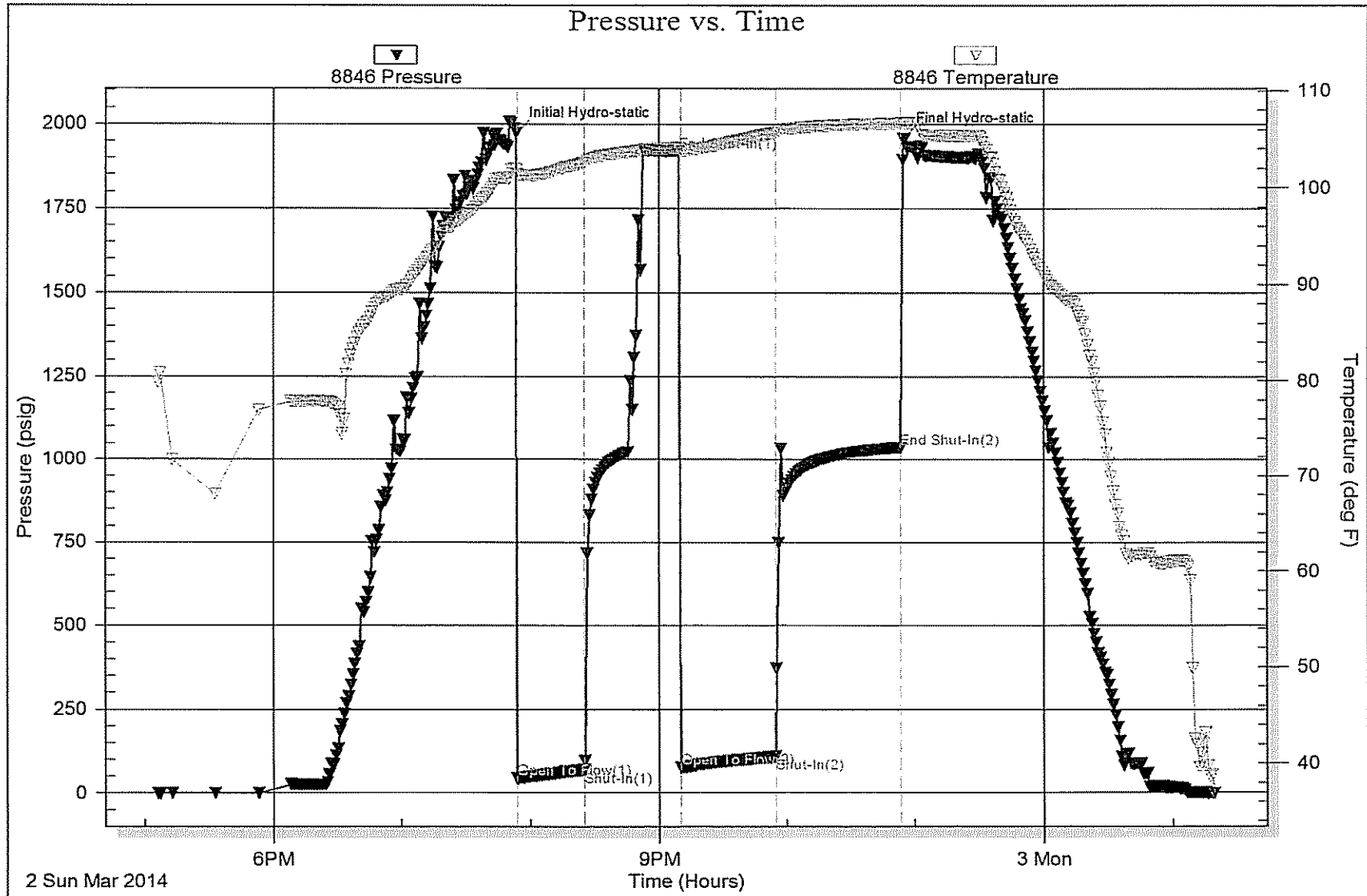
Length ft	Description	Volume bbl
186.00	mud with oil spots	2.609

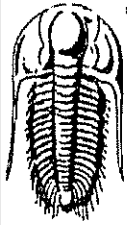
Total Length: 186.00 ft Total Volume: 2.609 bbl

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

29-19s35w Wichita Co,KS

301 S Market St.
Wichita KS
67202
ATTN: Brad Rine

Berend 1 29

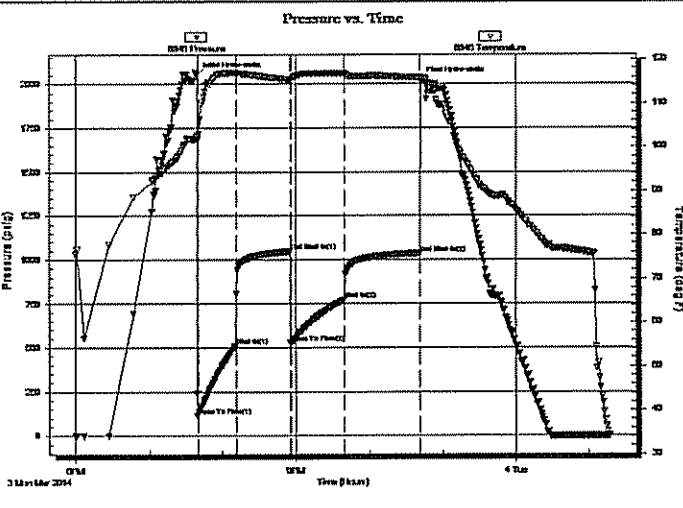
Job Ticket: 56407 DST#: 2
Test Start: 2014.03.03 @ 18:00:15

GENERAL INFORMATION:

Formation: LKC H-I	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock ft (KB)	Tester: Mike Roberts
Time Tool Opened: 19:39:30	Unit No: 65
Time Test Ended: 01:17:30	
Interval: 4169.00 ft (KB) To 4223.00 ft (KB) (TVD)	Reference Elevations: 3137.00 ft (KB)
Total Depth: 4223.00 ft (KB) (TVD)	3130.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair	KB to GR/CF: 7.00 ft

Serial #: 8846 Inside	Capacity: 8000.00 psig
Press@RunDepth: 771.93 psig @ 4171.00 ft (KB)	Last Calib.: 2014.03.04
Start Date: 2014.03.03 End Date: 2014.03.04	Time On Btm: 2014.03.03 @ 19:39:00
Start Time: 18:00:15 End Time: 01:17:30	Time Off Btm: 2014.03.03 @ 22:41:45

TEST COMMENT: IF:BOB in 2 min.
IS:No return blow
FF:BOB in 4 min.
FS:No return blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2050.07	102.55	Initial Hydro-static
1	115.13	102.00	Open To Flow (1)
32	510.30	116.94	Shut-In(1)
77	1046.28	115.35	End Shut-In(1)
77	525.56	115.03	Open To Flow (2)
121	771.93	116.78	Shut-In(2)
183	1033.87	115.84	End Shut-In(2)
183	2020.89	115.86	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
310.00	mcsw 50%m 50%sw	4.35
682.00	mcsw 30%m 70%sw	9.57
558.00	mcsw 10%m 90 %sw	7.83

* Recovery from multiple tests

Gas Rates			
	Choke (Inches)	Pressure (psig)	Gas Rate (MMcft/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil And Gas Company

29-19s35w Wichita Co,KS

301 S Market St.
Wichita KS
67202

Berend 1 29

Job Ticket: 56407

DST#: 2

ATTN: Brad Rine

Test Start: 2014.03.03 @ 18:00:15

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:

13000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in²

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	mcsw 50%m 50%sw	4.348
682.00	mcsw 30%m 70%sw	9.567
558.00	mcsw 10%m 90 %sw	7.827

Total Length: 1550.00 ft

Total Volume: 21.742 bbl

Num Fluid Samples: 0

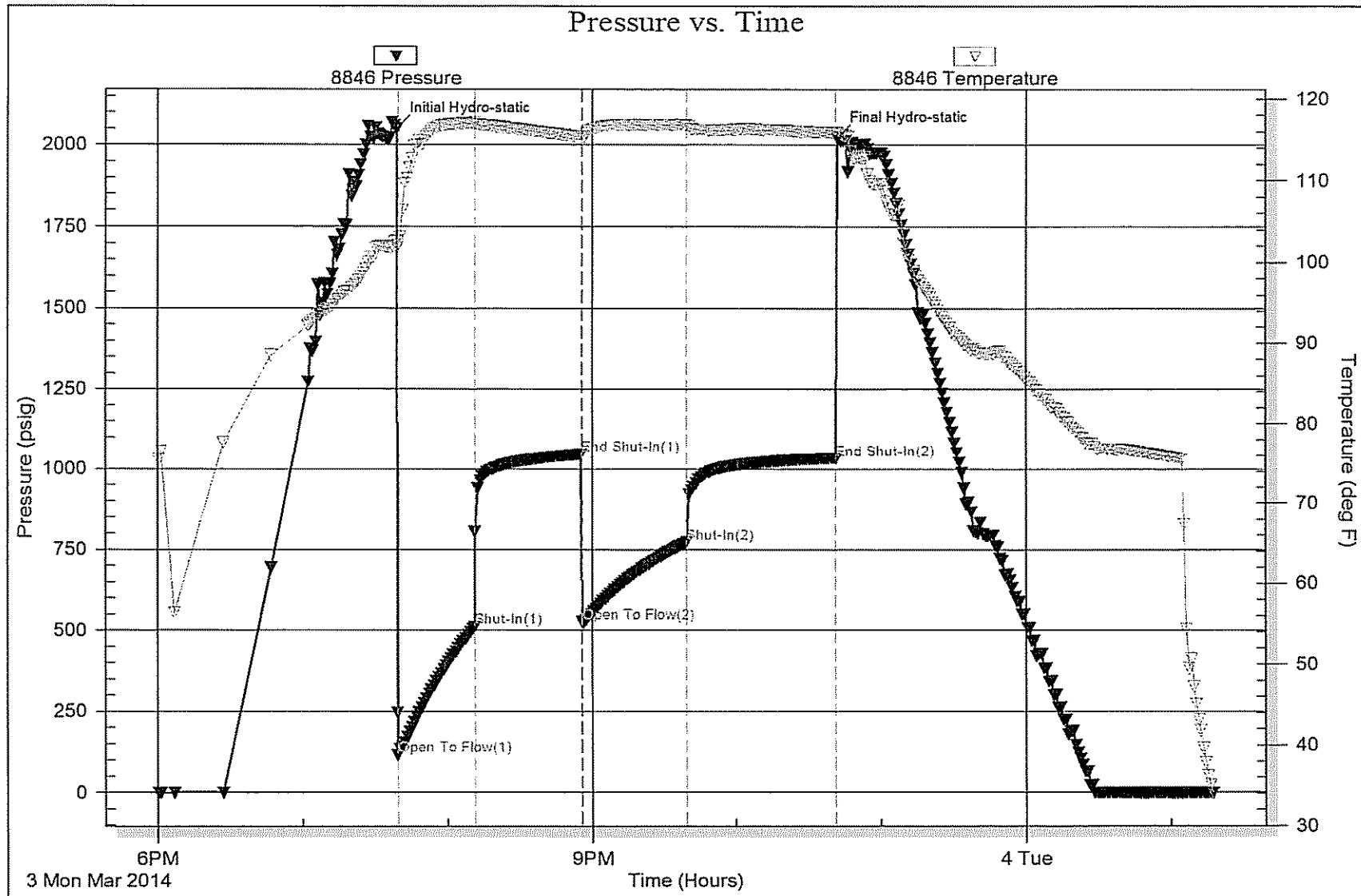
Num Gas Bombs: 0

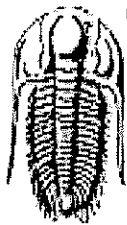
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .748@ 48.2*= 13,000 ppm





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lario Oil And Gas Company

29-19s35w Wichita Co,KS

301 S Market St.
Wichita KS
67202
ATTN: Brad Rine

Berend 1 29

Job Ticket: 56408

DST#: 3

Test Start: 2014.03.02 @ 17:06:15

GENERAL INFORMATION:

Formation: LKC L

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4319.00 ft (KB) To 4345.00 ft (KB) (TVD)

Total Depth: 4345.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3137.00 ft (KB)

3130.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8846

Press@RunDepth: psig @ ft (KB)

Start Date: 2014.03.04

End Date:

2014.03.04

Capacity: 8000.00 psig

Last Calib.:

2014.03.04

Start Time:

16:37:15

End Time:

17:57:15

Time On Btm:

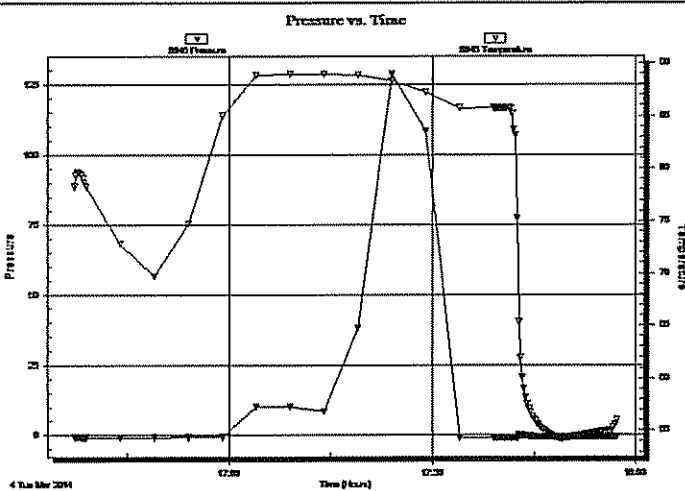
Time Off Btm:

TEST COMMENT: IF:BRIDGE

IS:

FF:

FS:



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

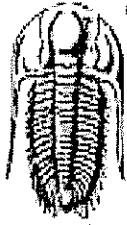
Recovery

Length (ft)	Description	Volume (bbl)
0.00	HIT BRIDGE at 334 feet	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (MMcfd)

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil And Gas Company

29-19s35w Wichita Co,KS

301 S Market St.
Wichita KS
67202

Berend 1 29

Job Ticket: 56408

DST#: 3

ATTN: Brad Rine

Test Start: 2014.03.02 @ 17:06:15

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: 48.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
0.00	HIT BRIDGE at 334 feet	0.000

Total Length:

ft

Total Volume:

bbf

Num Fluid Samples: 0

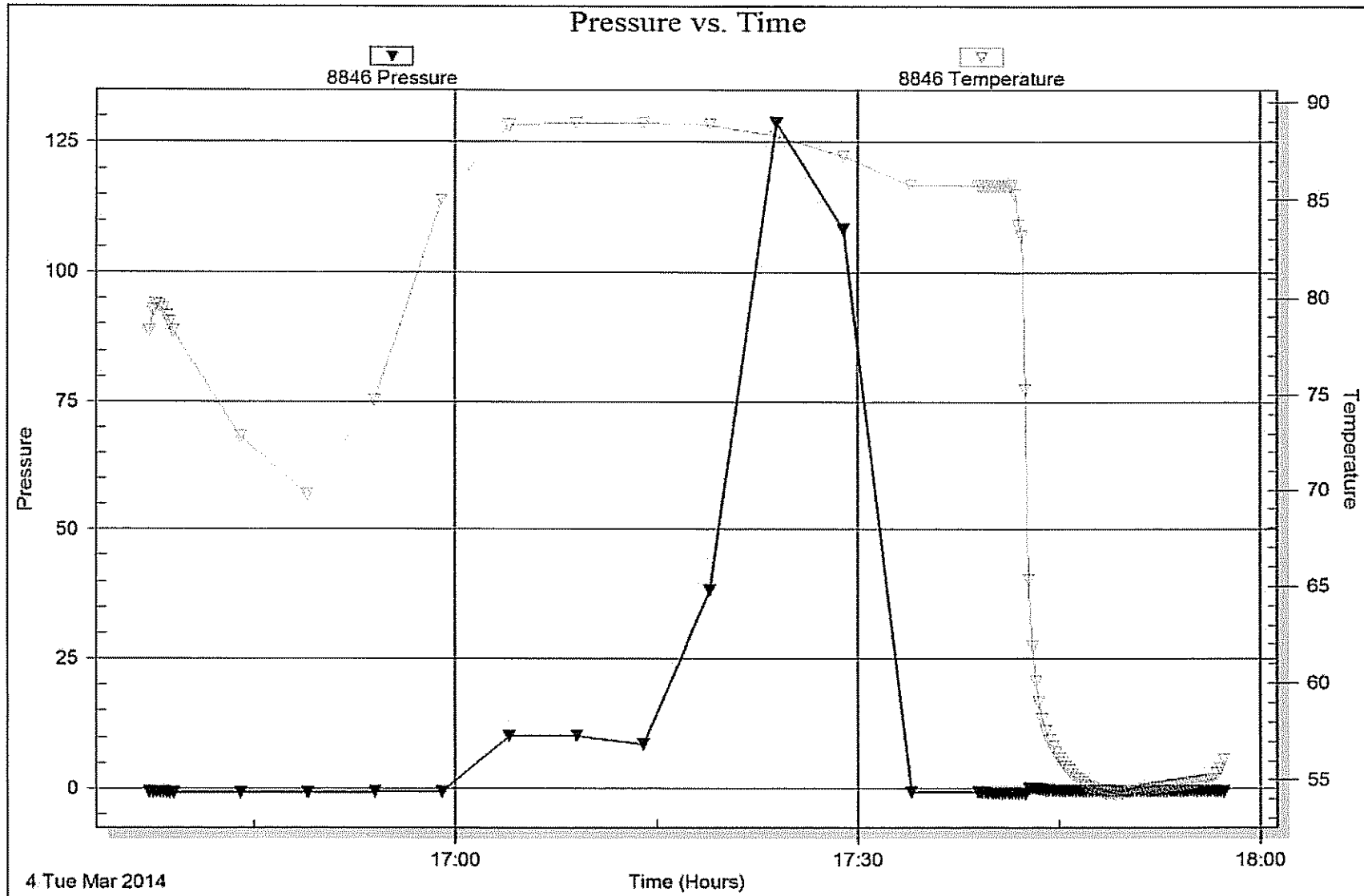
Num Gas Bombs: 0

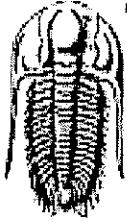
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil And Gas Company

29-19s35w Wichita Co,KS

301 S Market St.
Wichita KS
67202
ATTN: Brad Rine

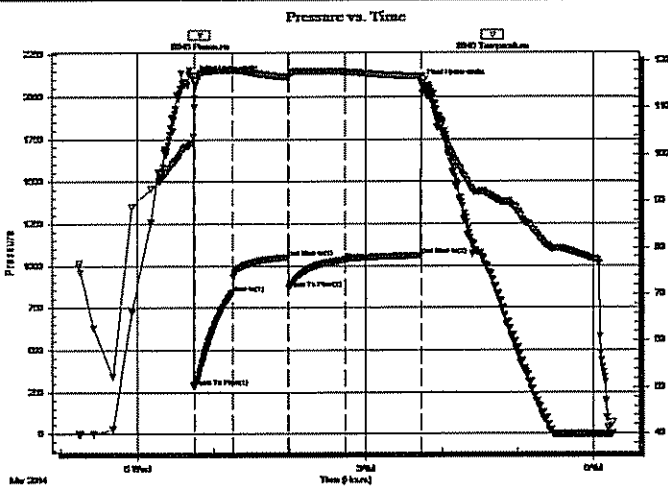
Berend 1 29
Job Ticket: 56409 DST#: 4
Test Start: 2014.03.04 @ 23:14:15

GENERAL INFORMATION:

Formation: LKC L	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock ft (KB)	Tester: Mike Roberts
Time Tool Opened: 00:44:45	Unit No: 65
Time Test Ended: 06:15:30	Reference Elevations: 3137.00 ft (KB)
Interval: 4319.00 ft (KB) To 4345.00 ft (KB) (TVD)	3130.00 ft (CF)
Total Depth: 4345.00 ft (KB) (TVD)	KB to GR/CF: 7.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair

Serial #: 8846 Inside	Capacity: 8000.00 psig
Press@RunDepth: 1033.33 psig @ 4340.00 ft (KB)	Last Calib.: 2014.03.05
Start Date: 2014.03.04 End Date: 2014.03.05	Time On Btm: 2014.03.05 @ 00:43:45
Start Time: 23:14:15 End Time: 06:15:30	Time Off Btm: 2014.03.05 @ 03:44:15

TEST COMMENT: IF:BOB in 1 min.
IS:No return blow
FF:BOB in 1 min.
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2107.83	102.38	Initial Hydro-static
1	282.02	110.09	Open To Flow (1)
31	838.53	117.91	Shut-In(1)
75	1049.89	116.53	End Shut-In(1)
76	865.84	116.34	Open To Flow (2)
120	1033.33	117.61	Shut-In(2)
180	1059.44	116.64	End Shut-In(2)
181	2077.24	116.73	Final Hydro-static

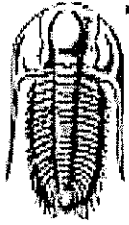
Recovery

Length (ft)	Description	Volume (bbl)
310.00	w cm 30%w 70% m	4.35
310.00	w cm 40% w 60% m	4.35
868.00	w cm 50%w 50% m	12.18
868.00	sw 100%sw	12.18

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil And Gas Company

29-19s35w Wichita Co,KS

301 S Market St.
Wichita KS
67202

Berend 1 29

Job Ticket: 56409

DST#: 4

ATTN: Brad Rine

Test Start: 2014.03.04 @ 23:14:15

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:

18000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	w cm 30%w 70% m	4.348
310.00	w cm 40% w 60% m	4.348
868.00	w cm 50%w 50% m	12.176
868.00	sw 100%sw	12.176

Total Length: 2356.00 ft Total Volume: 33.048 bbl

Num Fluid Samples: 0

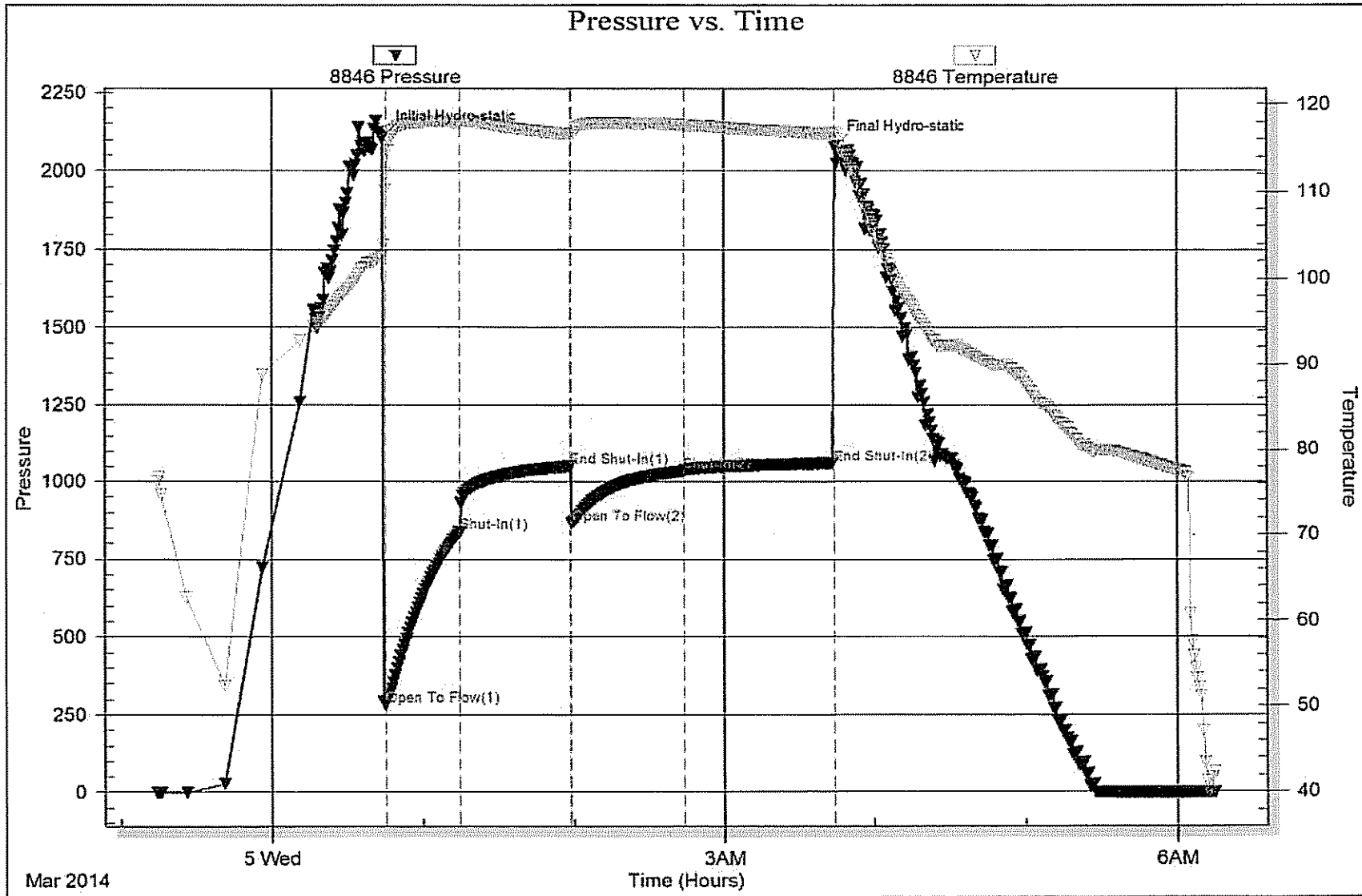
Num Gas Bombs: 0

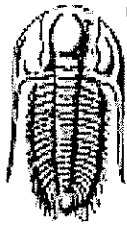
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .475@ 58.4*=18,000





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil And Gas Company

29-19s35w Wichita Co,KS

301 S Market St.
Wichita KS
67202
ATTN: Brad Rine

Berend 1 29

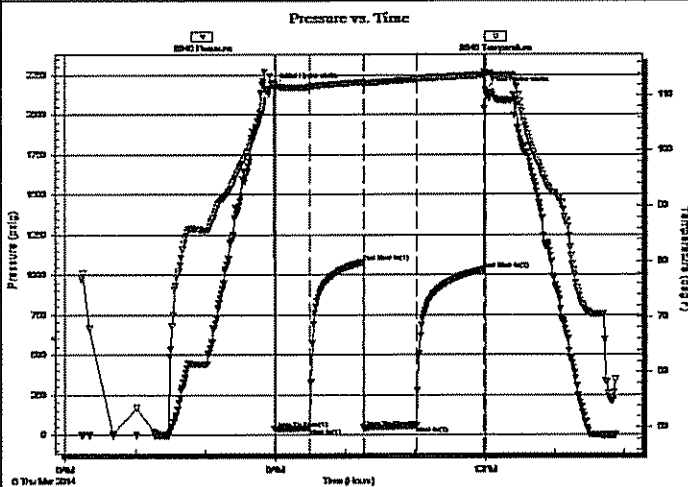
Job Ticket: 56410 DST#: 5
Test Start: 2014.03.06 @ 06:14:15

GENERAL INFORMATION:

Formation: Marmaton A	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock ft (KB)	Tester: Mike Roberts
Time Tool Opened: 08:59:00	Unit No: 65
Time Test Ended: 13:53:00	Reference Elevations: 3137.00 ft (KB)
Interval: 4404.00 ft (KB) To 4472.00 ft (KB) (TVD)	3130.00 ft (CF)
Total Depth: 4472.00 ft (KB) (TVD)	KB to GR/CF: 7.00 ft
Hole Diameter: 7.88 inches Hole Condition: Fair	

Serial #: 8846 Inside	Capacity: 8000.00 psig
Press@RunDepth: 57.36 psig @ 4406.00 ft (KB)	Last Calib.: 2014.03.06
Start Date: 2014.03.06 End Date: 2014.03.06	Time On Btm: 2014.03.06 @ 08:58:45
Start Time: 06:14:15 End Time: 13:53:00	Time Off Btm: 2014.03.06 @ 12:00:15

TEST COMMENT: F:Built to 2" blow
IS:No return blow
FF:Built to 1/2" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.52	112.26	Initial Hydro-static
1	36.38	111.58	Open To Flow (1)
31	43.68	111.53	Shut-In(1)
77	1078.01	112.43	End Shut-In(1)
77	46.09	112.27	Open To Flow (2)
123	57.36	112.90	Shut-In(2)
181	1033.45	113.66	End Shut-In(2)
182	2153.05	113.92	Final Hydro-static

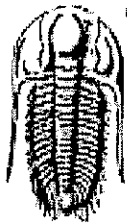
Recovery

Length (ft)	Description	Volume (bbl)
20.00	mcw 40%m 60%w	0.28

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil And Gas Company

29-19s35w Wichita Co,KS

301 S Market St.
Wichita KS
67202

Berend 1 29

Job Ticket: 56410 DST#: 5

ATTN: Brad Fine

Test Start: 2014.03.06 @ 06:14:15

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: 11000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 7400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

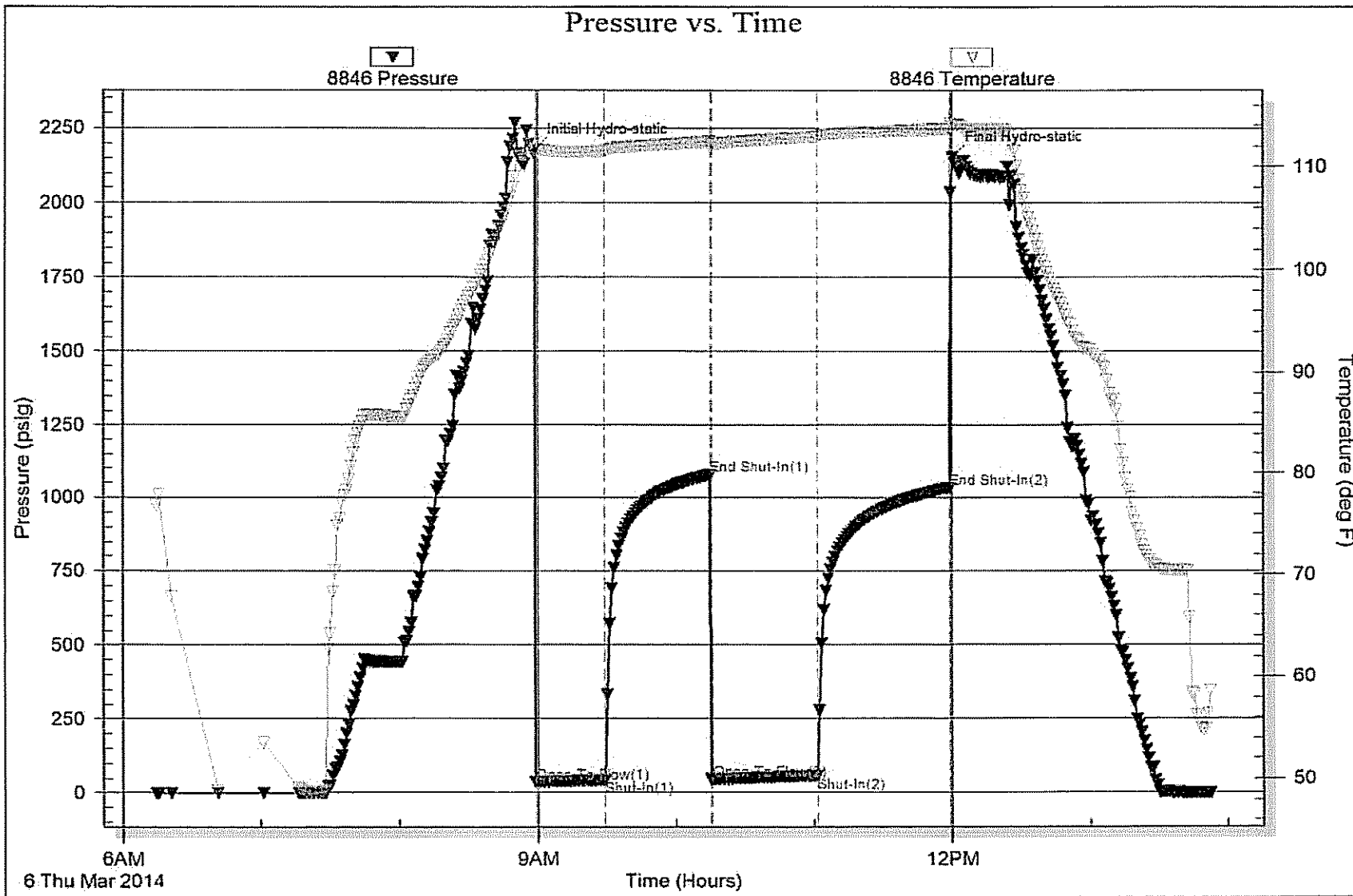
Length ft	Description	Volume bbl
20.00	mcw 40% m 60% w	0.281

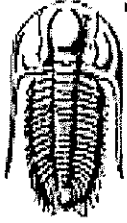
Total Length: 20.00 ft Total Volume: 0.281 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .510 @ 75.5* = 11,000 ppm





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil And Gas Company

29-19s35w Wichita Co,KS

301 S Market St.
Wichita KS
67202
ATTN: Brad Rine

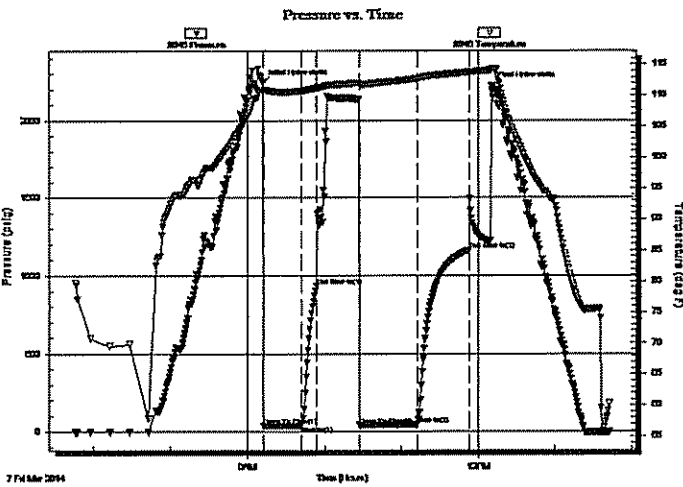
Berend 1 29
Job Ticket: 56411 DST#: 6
Test Start: 2014.03.07 @ 06:46:15

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:12:30
Time Test Ended: 13:42:30
Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65
Interval: **4538.00 ft (KB) To 4575.00 ft (KB) (TVD)**
Reference Elevations: 3137.00 ft (KB)
Total Depth: **4575.00 ft (KB) (TVD)**
3130.00 ft (CF)
Hole Diameter: **7.88 inches**Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8846 **Inside**
Press@RunDepth: 45.91 psig @ 4570.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.03.07 End Date: 2014.03.07 Last Calib.: 2014.03.07
Start Time: 06:46:15 End Time: 13:42:30 Time On Blm: 2014.03.07 @ 09:12:00
Time Off Blm: 2014.03.07 @ 12:10:30

TEST COMMENT: IF:Built to 2 1/2" blow
IS:No return blow
FF:Weak surface blow that died right away
FS:No return blow

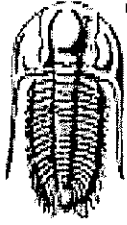


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.00	110.88	Initial Hydro-static
1	36.45	110.64	Open To Flow (1)
30	36.88	110.75	Shut-In(1)
42	932.48	111.24	End Shut-In(1)
76	40.90	111.70	Open To Flow (2)
121	45.91	112.74	Shut-In(2)
161	1164.71	113.77	End Shut-In(2)
179	2224.29	114.28	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
62.00	mud 100% m	0.87

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil And Gas Company

29-19s35w Wichita Co,KS

301 S Market St.
Wichita KS
67202

Berend 1 29

Job Ticket: 56411

DST#: 6

ATTN: Brad Fine

Test Start: 2014.03.07 @ 06:46:15

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: 56.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
62.00	mud 100% m	0.870

Total Length:

62.00 ft

Total Volume:

0.870 bbf

Num Fluid Samples: 0

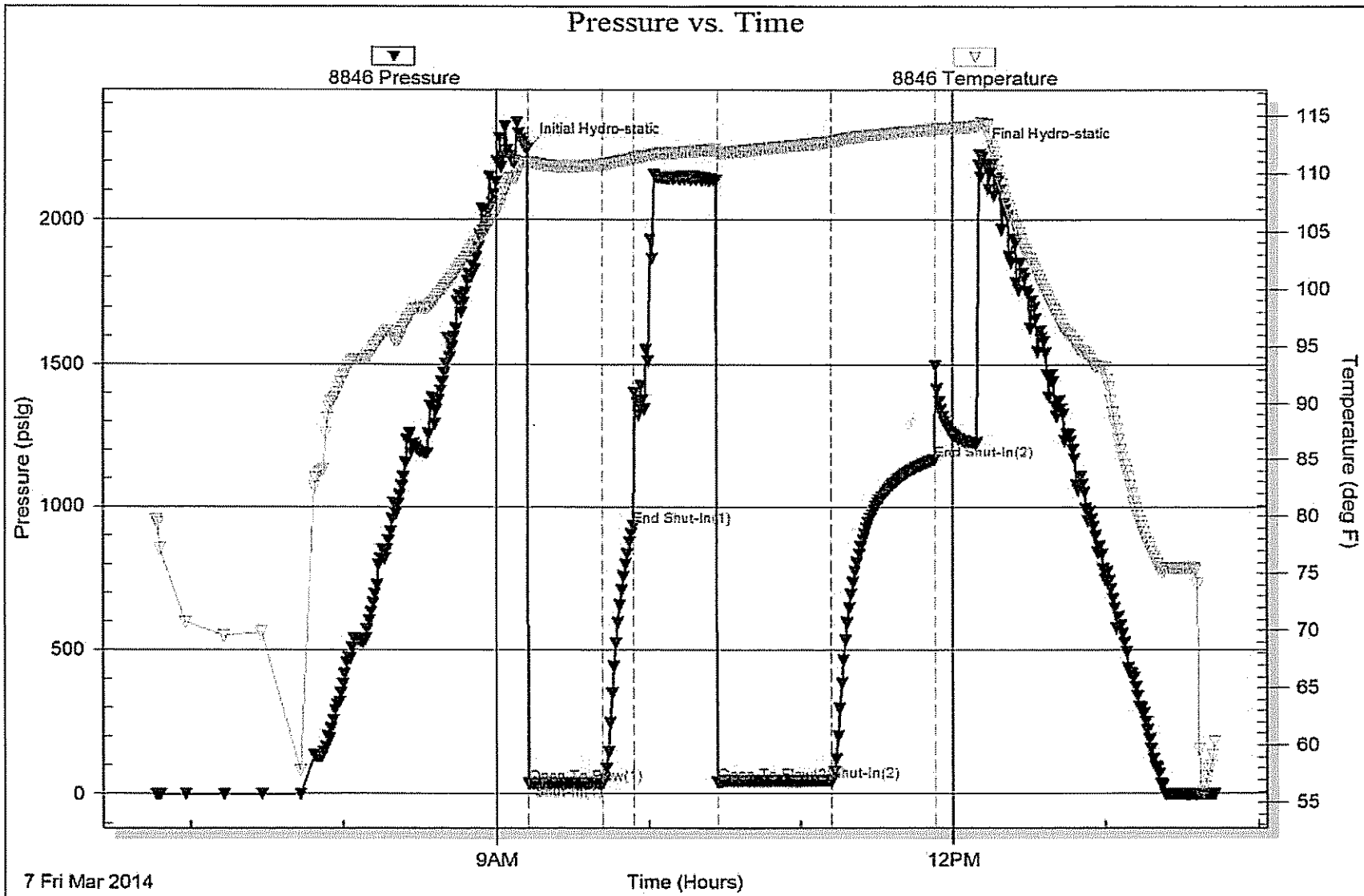
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Debbie S Bastian

From: Kathy L Ford
Sent: Friday, March 07, 2014 2:24 PM
To: Debbie S Bastian
Subject: RE: Recipes

Thank you ☺ Was delish!

From: Debbie S Bastian
Sent: Friday, March 07, 2014 1:08 PM
To: Kathy L Ford
Subject: Recipes

Poppysseed Dressing:

½ c. vinegar
½ c. sugar
1 tsp. poppyseeds
2/3 c. oil

Mix well.

And I used Romaine lettuce, strawberries, cherry tomatoes & sliced onions.

Debbie Bastian

Lario Oil & Gas Co.
301 S. Market
Wichita, KS 67202
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316-265-5610 (Fax)
dbastian@lariooil.com