

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1232421  
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: \_\_\_\_\_

1232421



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: <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		

<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. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Krebs A 5-34
Doc ID	1232421

Tops

Name	Top	Datum
Heebner	3615	-959
Lansing	3654	-998
Stark Shale	3901	-1245
Hushpuckney	3938	-1282
Base KC	3993	-1337
Marmaton	4031	-1375
Pawnee	4107	-1451
Ft. Scott	4135	-1479
Johnson	4229	-1573
Morrow	4265	-1609
Basal Penn	4289	-1633
Mississippian	4298	-1642





PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 147375  
Invoice Date: Nov 28, 2014  
Page: 1

Federal Tax I.D.#: 20-8651475

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

*Drilling ops 14-248  
12-8-14*

Customer ID	Field Ticket #	Payment Terms	
Lario	63795	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Nov 28, 2014	12/28/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Krebs A #5-34		
525.00	CEMENT MATERIALS	60/40/8% Gel Blend	19.89	10,442.25
205.00	CEMENT MATERIALS	ASC	23.50	4,817.50
1,066.00	CEMENT MATERIALS	Salt	0.68	724.88
1,025.00	CEMENT MATERIALS	Gilsonite	0.98	1,004.50
31.00	CEMENT MATERIALS	Defoamer	3.50	108.50
62.00	CEMENT MATERIALS	FL-160	18.90	1,171.80
131.00	CEMENT MATERIALS	Flo Seal	2.97	389.07
12.00	CEMENT MATERIALS	WFR-II	41.09	493.08
717.23	CEMENT SERVICE	Cubic Feet Charge	2.48	1,778.73
998.62	CEMENT SERVICE	Ton Mileage Charge	2.75	2,746.21
1.00	CEMENT SERVICE	Production -- Bottom Stage	2,765.75	2,765.75
1.00	CEMENT SERVICE	Production -- Top Stage	2,406.25	2,406.25
25.00	CEMENT SERVICE	Pump Truck Mileage	7.70	192.50
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
25.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	110.00
3.00	CEMENT SERVICE	Waiting on Location	440.00	1,320.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.00	5,335.00
1.00	EQUIPMENT SALES	5-1/2 Basket	395.00	395.00
1.00	EQUIPMENT SALES	5-1/2 Float Shoe	545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down	660.00	660.00

*Handwritten signature and stamp: OK TO PAY*

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

\$ 11,005.55

ONLY IF PAID ON OR BEFORE  
Dec 28, 2014

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



PO Box 93999  
Southlake, TX 76092

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

# INVOICE

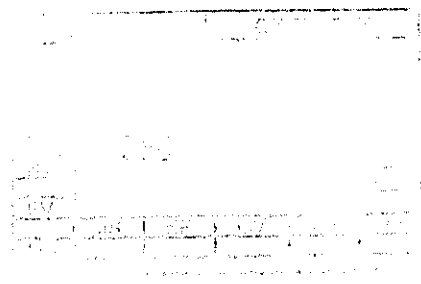
Invoice Number: 147375  
Invoice Date: Nov 28, 2014  
Page: 2

Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Lario	63795	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Nov 28, 2014	12/28/14

Quantity	Item	Description	Unit Price	Amount
8.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	456.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		



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

\$ 11,005.55

ONLY IF PAID ON OR BEFORE  
Dec 28, 2014

Subtotal	38,137.02
Sales Tax	2,030.51
Total Invoice Amount	40,167.53
Payment/Credit Applied	
<b>TOTAL</b>	<b>40,167.53</b>

# ALLIED OIL & GAS SERVICES, LLC 063795

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Onklay, TX

DATE <u>1/28/04</u>	SEC <u>34</u>	TWP. <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30 AM</u>	JOB FINISH <u>11:30 AM</u>
LEASE <u>Krebs</u>	WELL# <u>5-34</u>	LOCATION <u>Colley 23.5 W &amp; W-E End</u>	COUNTY <u>Wagon</u>	STATE <u>TX</u>			
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR H2 Drilling #2 - Steve

TYPE OF JOB Prod 2-Stage

HOLE SIZE 7 7/8 T.D. 42-D

CASING SIZE 5 1/2 DEPTH 42-D

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL OV DEPTH 21 5/8

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 42-D

PERFS.

DISPLACEMENT Both - H<sub>2</sub>O - 50 By hand - JY

pp. H<sub>2</sub>O 53.0 EQUIPMENT

PUMP TRUCK CEMENTER Alan Ryan

# 43281 HELPER Wayne McHugh

BULK TRUCK

# 890 DRIVER Kiyo (Tus)

BULK TRUCK

# 891 DRIVER Juan S. (Tus)

OWNER Stone

CEMENT AMOUNT ORDERED 205 BY 10000 291.05 CEMENT

5-1709160, 157814 Cement

COMMON	525.9K	@ 19.89	10442.25
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC	205.5K	@ 23.50	4817.50
Salt	1000 lb	@ .68	724.00
Alum	1000 lb	@ .78	1004.00
B-Gum	30 lb	@ 3.50	105.00
Cellul	60 lb	@ 1.80	117.00
WSP-2	1.31	@ 2.90	392.00
WSP-2	10.00	@ 4.10	423.00
Material Total			19,134.65
Handling	712.83	@ 2.48	1778.22
MILEAGE	2770.66	@ 38.945	2246.22

REMARKS:

Alan Ryan Cementer, Juan S. Driver, Wayne McHugh Helper, Kiyo Driver

205 BY 10000 291.05 Cement

5-1709160, 157814 Cement

WSP-2 1.31 @ 2.90 = 392.00

WSP-2 10.00 @ 4.10 = 423.00

Material Total 19,134.65

Handling 712.83 @ 2.48 = 1778.22

MILEAGE 2770.66 @ 38.945 = 2246.22

TOTAL 10,274.45

CHARGE TO: Lario 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 Joseph WEBER

SIGNATURE [Signature]

SERVICE	43.72	@	2.40	1049.28
TRUCK CHARGE		@	27.65	2765.00
EXTRA FOOTAGE		@		
MILEAGE	25	@ 7.20	192.00	
MANIFOLD		@	250.00	
WSP-2	25	@ 4.48	110.00	
pp. Stage		@	2406.25	
			(3082.33/3082)	TOTAL 10,274.45

PLUG & FLOAT EQUIPMENT

3 hr Waiting Time	4.00	@ 132.00	532.00	
OV Tool J		@	395.00	
Bucket		@	545.00	
Catch Basin		@	660.00	
Cast Alloys	8	@ 57.00	456.00	
			(2177.75/255)	TOTAL 8711.00

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 38,110.08

DISCOUNT 11,000.47 (30/25) IF PAID IN 30 DAYS

Bid 27,133.61 Net.



**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 # 802050

Invoice Date: 11/21/2014 Terms: Net 30 Page 1

LARIO OIL & GAS  
P.O. BOX 1093  
GARDEN CITY KS 637846  
USA  
3162655611

KREBS A #5-34

*Drilling a/c 14-248*  
*11-24-14 LK*

Part Number	Description	Qty	Unit Price	Discount(%)	Total
5401S	Cement Pump Truck - <u>Surface</u>	1.00	1,150.00	15.00	977.50
5406	Mileage Charge	10.00	5.25	15.00	44.63
5407A	Ton Mileage Delivery Charge	1.00	142.98	15.00	121.53
1104S	Class A Cement	165.00	18.55	15.00	2,601.64
1102	Calcium Chloride (50#)	465.00	0.94	15.00	371.54
1118B	Premium Gel / Bentonite	310.00	0.27	15.00	71.15
Sub Total					4,927.03
Discounted Amount					739.05
SubTotal After Discount					4,187.99

*Handwritten signature and initials*

Amount Due 5,201.02 if paid after 12/21/2014

Tax: 232.89  
Total: 4,420.88





**CONSOLIDATED**  
Oil Well Services, LLC

910

TICKET NUMBER 47829

946

LOCATION Oakley, KS.

INVOICE # 802050

FOREMAN Cory Davis

mileage

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
11/18/14	4793	Krebs A 5-34	34	145	32 W	Logan
CUSTOMER <u>Lario Oil and Gas</u>						
MAILING ADDRESS						
CITY STATE ZIP CODE						
TRUCK #	DRIVER	TRUCK #	DRIVER			
399	Michael R					
460	Robert S					

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 238 CASING SIZE & WEIGHT 8 5/8  
 CASING DEPTH 237 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14 1/2 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 20'  
 DISPLACEMENT 13 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting Rig up on H 2 rig Run casing Break Circulation  
with Rig Pump Hook up to pump truck mix 165 sks com 3% cc 2% Gel  
wash up Pump + Lines Displace 13 BBL Water Shut in Rig Down

Cement Did Circulate

Approx 8 BBL to pit

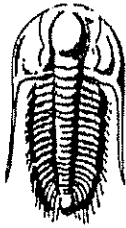
Thanks Cory Davis and crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1,150.00	1,150.00
5406	10	MILEAGE	5.25	52.50
5407A	8.17	Ton Mileage Delivery	1.75	142.98
11045	165	class A cement	18.55	3,060.75
1102	465	Calcium Chloride	.94	437.10
11185	310	Bentonite (Gel)	.27	83.70
			sub total	4,927.03
			15% Loss	739.05
			sub total	4,187.98
			SALES TAX	232.89
			ESTIMATED TOTAL	4420.88

Revin 3737

AUTHORIZATION Stewer Craig TITLE Tool Pusher 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.



**TRIOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

34 14s 32w Logan, Ks

301 S Market St.  
Wichita, Ks 67202

Krebs A 5-34

Job Ticket: 58595

DST#: 1

ATTN: Steve Davis

Test Start: 2014.11.22 @ 21:23:00

### GENERAL INFORMATION:

Formation: LKC - I

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:53:45

Time Test Ended: 05:34:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

Interval: 3847.00 ft (KB) To 3874.00 ft (KB) (TVD)

Reference Elevations: 2656.00 ft (KB)

Total Depth: 3874.00 ft (KB) (TVD)

2644.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8522

Outside

Press@RunDepth: 29.58 psig @ 3848.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.22

End Date:

2014.11.23

Last Calib.: 2014.11.23

Start Time: 21:23:05

End Time:

05:34:44

Time On Btm: 2014.11.22 @ 23:53:30

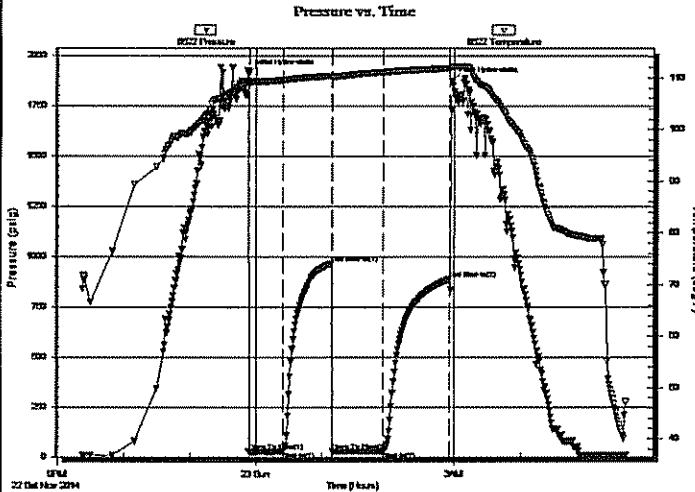
Time Off Btm: 2014.11.23 @ 02:58:00

TEST COMMENT: IF: 1/4" blow, dled @ 12 min.

IS: No return.

FF: No blow.

FSI: No return.



### PRESSURE SUMMARY

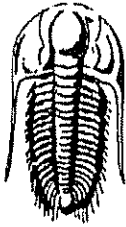
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1910.49	109.42	Initial Hydro-static
1	27.65	108.54	Open To Flow (1)
32	26.06	109.55	Shut-In(1)
76	964.59	110.37	End Shut-In(1)
76	27.20	110.06	Open To Flow (2)
122	29.58	111.11	Shut-In(2)
183	887.89	111.85	End Shut-In(2)
185	1872.88	112.19	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100m (oil Spots)	0.07

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Co  
301 S Market St.  
Wichita, Ks 67202  
ATTN: Steve Davis

34 14s 32w Logan, Ks  
Krebs A 5-34  
Job Ticket: 58595      DST#: 1  
Test Start: 2014.11.22 @ 21:23:00

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 60.00 sec/qt  
Water Loss: 7.20 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2200.00 ppm  
Filler Cake: 1.00 inches

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

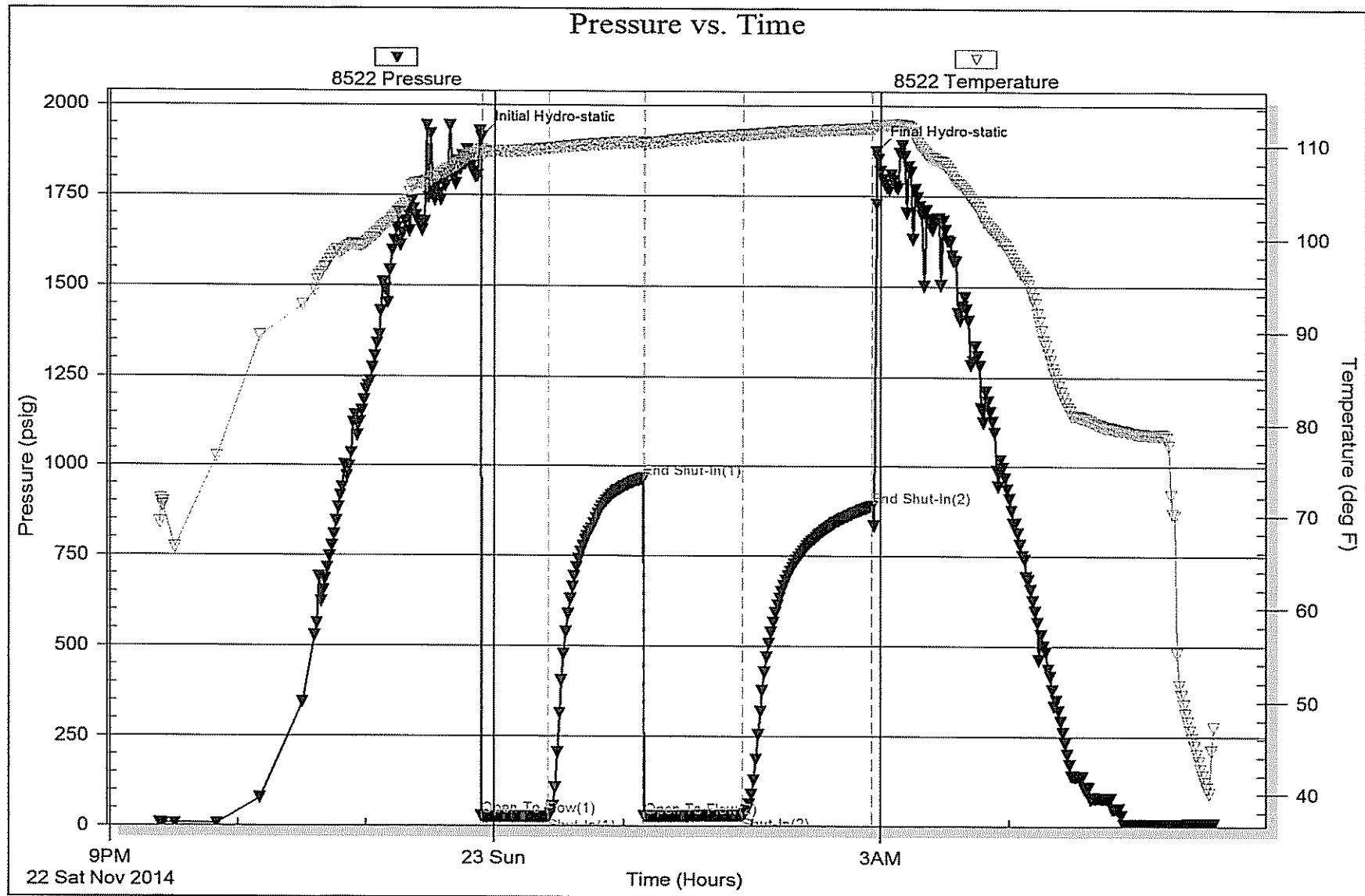
Oil API: 0 deg API  
Water Salinity: 0 ppm

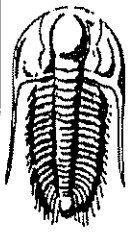
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100m (oil Spots)	0.074

Total Length: 15.00 ft      Total Volume: 0.074 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  
 301 S Market St.  
 Wichita, Ks 67202  
 ATTN: Steve Davis

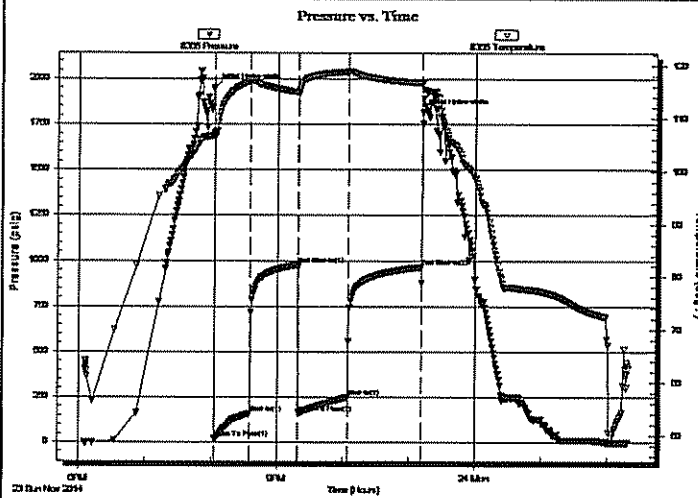
34 14s 32w Logan, Ks  
**Krebs A 5-34**  
 Job Ticket: 58597      DST#: 2  
 Test Start: 2014.11.23 @ 18:05:00

### GENERAL INFORMATION:

Formation: LKC- K  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:03:00  
 Time Test Ended: 02:23:13  
 Interval: 3900.00 ft (KB) To 3925.00 ft (KB) (TVD)  
 Total Depth: 3925.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 69  
 Reference Elevations: 2656.00 ft (KB)  
 2644.00 ft (CF)  
 KB to GR/CF: 12.00 ft

**Serial #: 8365**      Inside  
 Press@RunDepth: 249.92 psig @ 3901.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2014.11.23      End Date: 2014.11.24      Last Calib.: 2014.11.24  
 Start Time: 18:05:05      End Time: 02:23:13      Time On Btm: 2014.11.23 @ 20:02:45  
 Time Off Btm: 2014.11.23 @ 23:12:30

TEST COMMENT: IF: BOB @ 29 min.  
 IS: No return.  
 FF: BOB @ 45 min.  
 FSI: No return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1953.00	107.20	Initial Hydro-static
1	21.31	106.44	Open To Flow (1)
32	158.79	117.07	Shut-In(1)
76	977.15	114.97	End Shut-In(1)
77	161.36	114.61	Open To Flow (2)
122	249.92	118.82	Shut-In(2)
189	964.44	116.70	End Shut-In(2)
190	1812.95	116.86	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
500.00	mcw 3m 97w (oil scum)	4.74
1.00	oil 100o	0.01

\* 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  
301 S Market St.  
Wichita, Ks 67202  
ATTN: Steve Davis

**34 14s 32w Logan, Ks**  
**Krebs A 5-34**  
Job Ticket: 58597      DST#: 2  
Test Start: 2014.11.23 @ 18:05:00

### Mud and Cushion Information

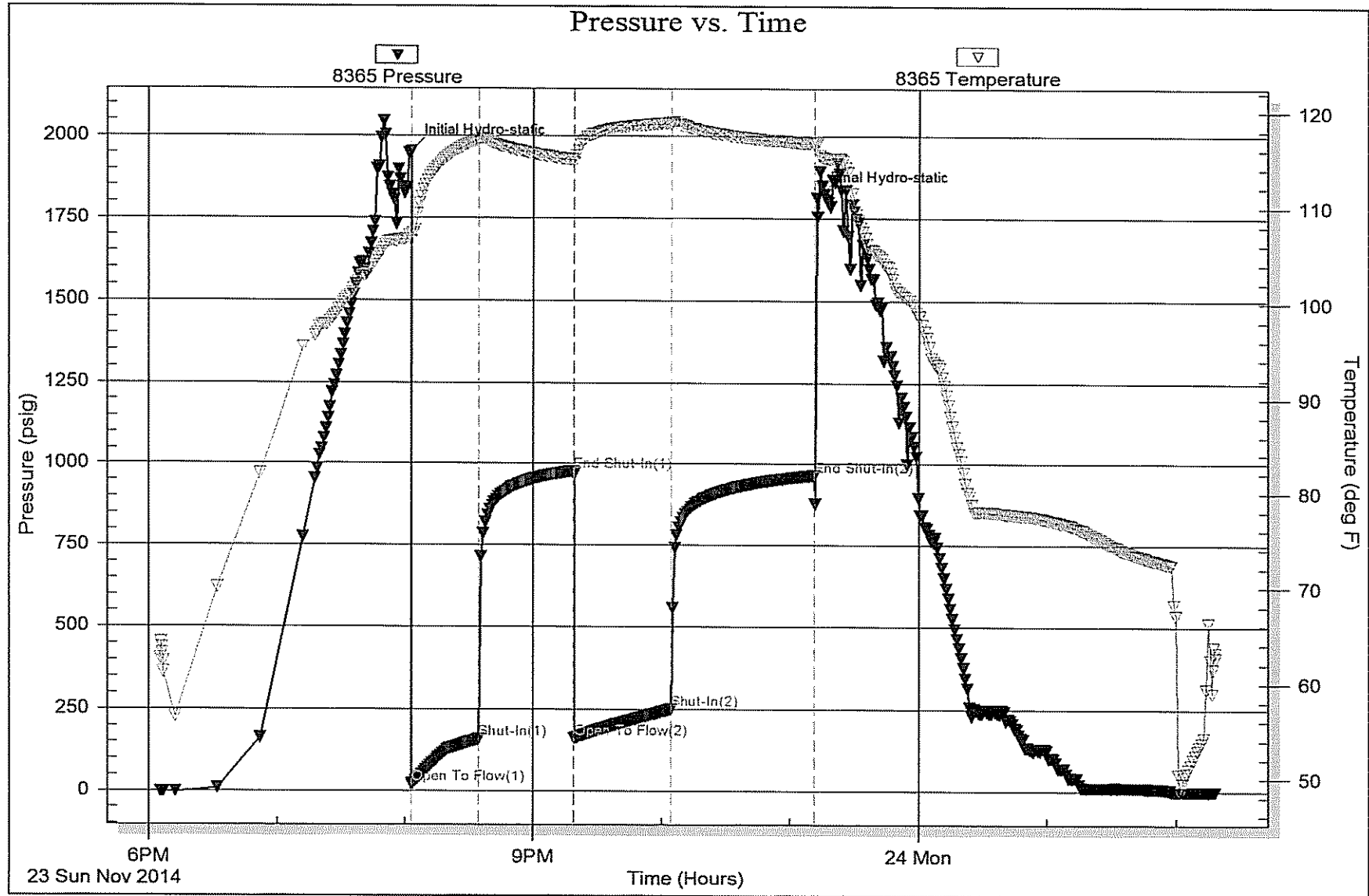
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 72000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.59 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2400.00 ppm		
Filter Cake: 1.00 inches		

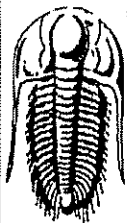
### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
500.00	mcw 3m 97w (oil scum)	4.736
1.00	oil 100o	0.014

Total Length: 501.00 ft      Total Volume: 4.750 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: rw is .190 @ 41F = 72,000ppm





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

34 14s 32w Logan, Ks

301 S Market St.  
Wichita, Ks 67202

**Krebs A 5-34**

Job Ticket: 58598

DST#: 3

ATTN: Steve Davis

Test Start: 2014.11.24 @ 18:33:00

### GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:19:45

Time Test Ended: 03:33:58

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Waiter

Unit No: 69

Interval: **3987.00 ft (KB) To 4094.00 ft (KB) (TVD)**

Total Depth: **4094.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Good

Reference Elevations: **2656.00 ft (KB)**

**2644.00 ft (CF)**

KB to GR/CF: **12.00 ft**

**Serial #: 8365** Inside

Press@RunDepth: **57.77 psig @ 3988.00 ft (KB)**

Start Date: **2014.11.24**

End Date: **2014.11.25**

Capacity: **8000.00 psig**

Last Calib.: **2014.11.25**

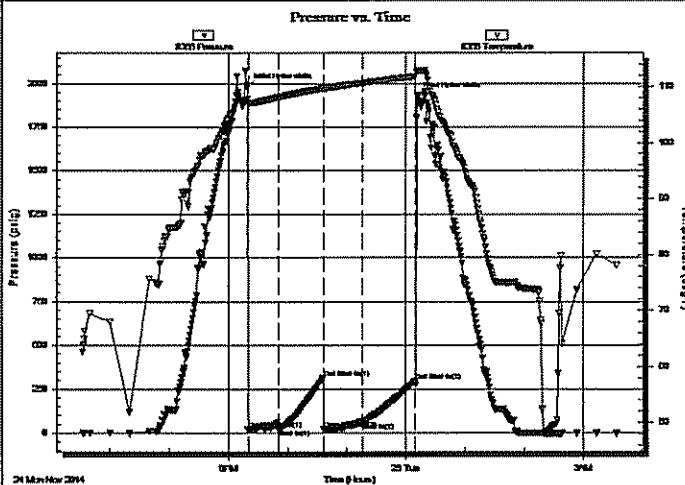
Start Time: **18:33:05**

End Time: **03:33:58**

Time On Blm: **2014.11.24 @ 21:19:15**

Time Off Blm: **2014.11.25 @ 00:11:30**

TEST COMMENT: IF: Surface blow, died @ 18 min.  
IS: No return.  
FF: No blow.  
FS: No return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1982.72	107.74	Initial Hydro-static
1	19.30	107.09	Open To Flow (1)
32	21.40	108.14	Shut-In(1)
77	310.08	109.74	End Shut-In(1)
78	23.02	109.63	Open To Flow (2)
117	57.77	110.69	Shut-In(2)
171	294.42	111.84	End Shut-In(2)
173	1929.75	112.77	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100m (thick coagulated)	0.05

\* 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 Co

34 14s 32w Logan, Ks

301 S Market St.  
Wichita, Ks 67202

Krebs A 5-34

Job Ticket: 58598

DST#: 3

ATTN: Steve Davis

Test Start: 2014.11.24 @ 18:33:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 10.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	Mud 100m (thick coagulated)	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbf

Num Fluid Samples: 0

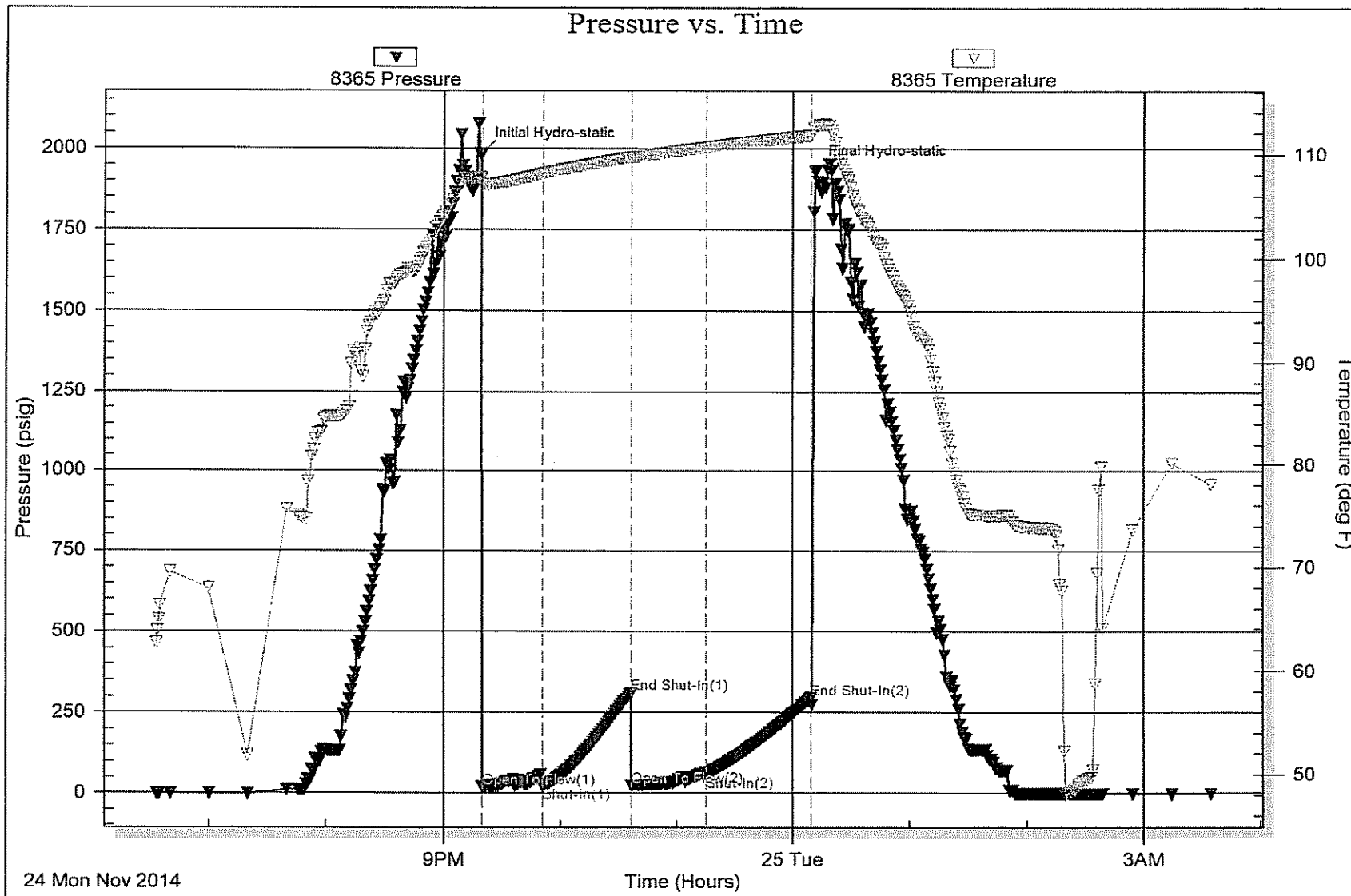
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

34 14s 32w Logan, Ks

301 S Market St.  
Wichita, Ks 67202

Krebs A # 5-34

Job Ticket: 59710

DST#: 4

ATTN: Steve Davis

Test Start: 2014.11.25 @ 14:37:52

### GENERAL INFORMATION:

Formation: **Pawnee, Ft Scott**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 16:56:22

Time Test Ended: 22:35:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Interval: 4099.00 ft (KB) To 4162.00 ft (KB) (TVD)

Total Depth: 4162.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2656.00 ft (KB)

2644.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6771

Inside

Press@RunDepth: 21.80 psig @ 4100.00 ft (KB)

Start Date: 2014.11.25

End Date:

2014.11.25

Start Time: 14:37:52

End Time:

22:21:07

Capacity: 8000.00 psig

Last Calib.: 2014.11.25

Time On Blm: 2014.11.25 @ 16:56:07

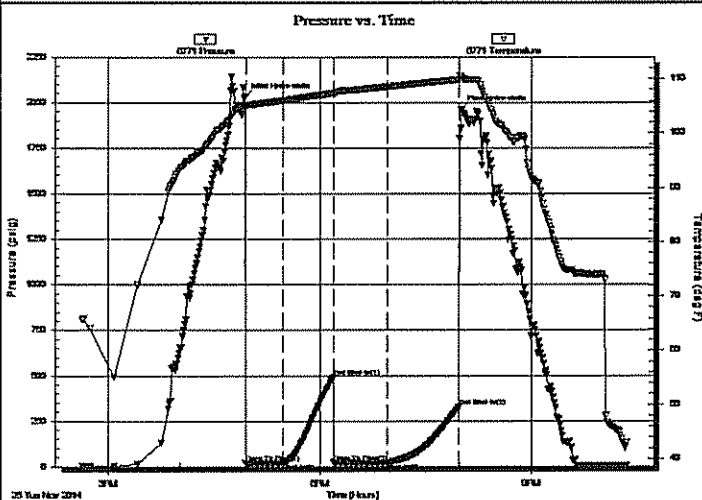
Time Off Blm: 2014.11.25 @ 20:00:37

TEST COMMENT: 1/4" in @ open died in 12 min.

No return

No blow

No return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2032.13	105.12	Initial Hydro-static
1	19.06	104.77	Open To Flow (1)
33	20.83	105.99	Shut-In(1)
76	489.96	107.35	End Shut-In(1)
76	21.96	107.07	Open To Flow (2)
122	21.80	108.53	Shut-In(2)
183	326.92	109.84	End Shut-In(2)
185	1961.55	110.46	Final Hydro-static

### Recovery

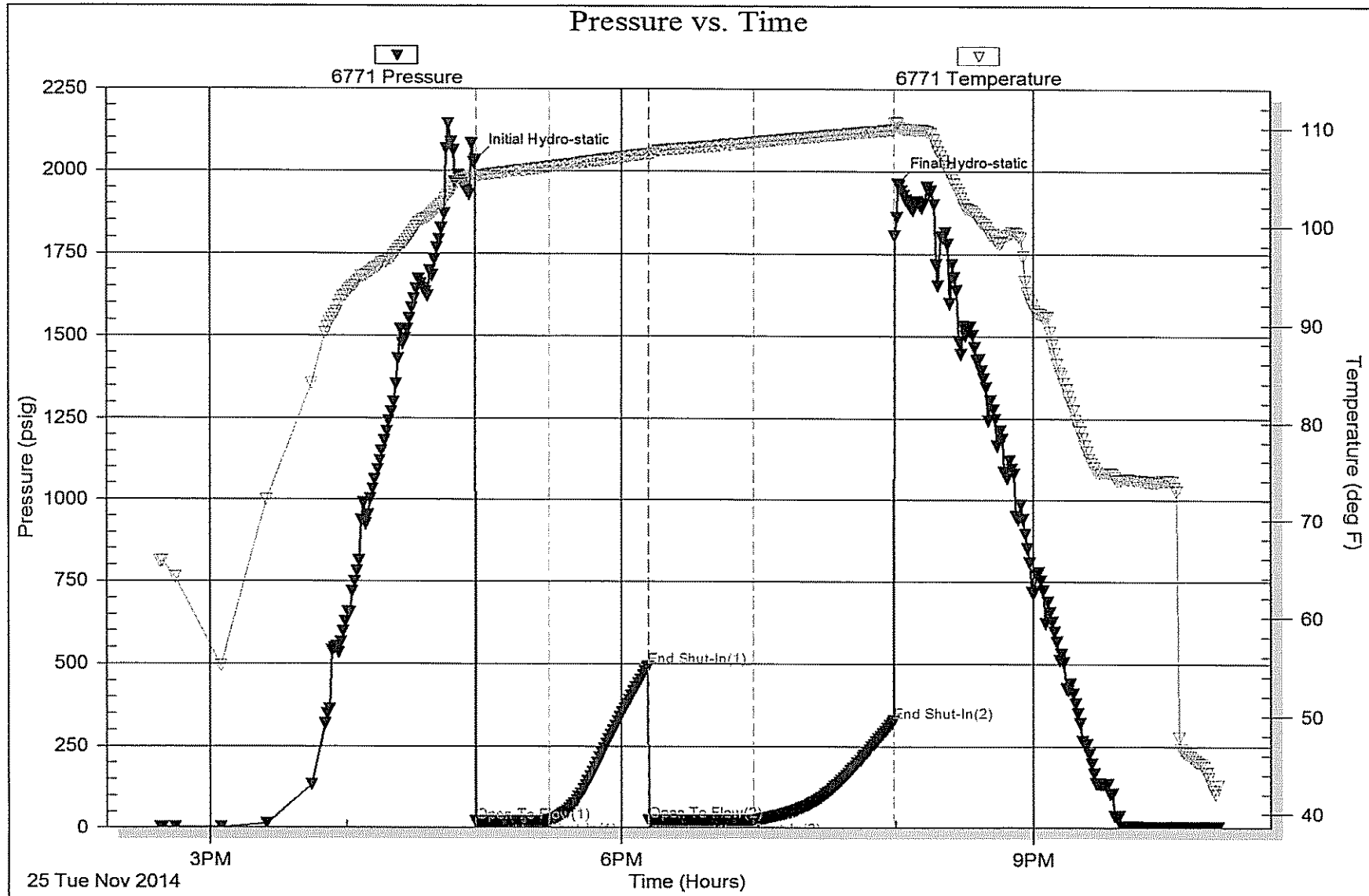
Length (ft)	Description	Volume (bbl)
2.00	mud w/oil spots 100%m	0.01

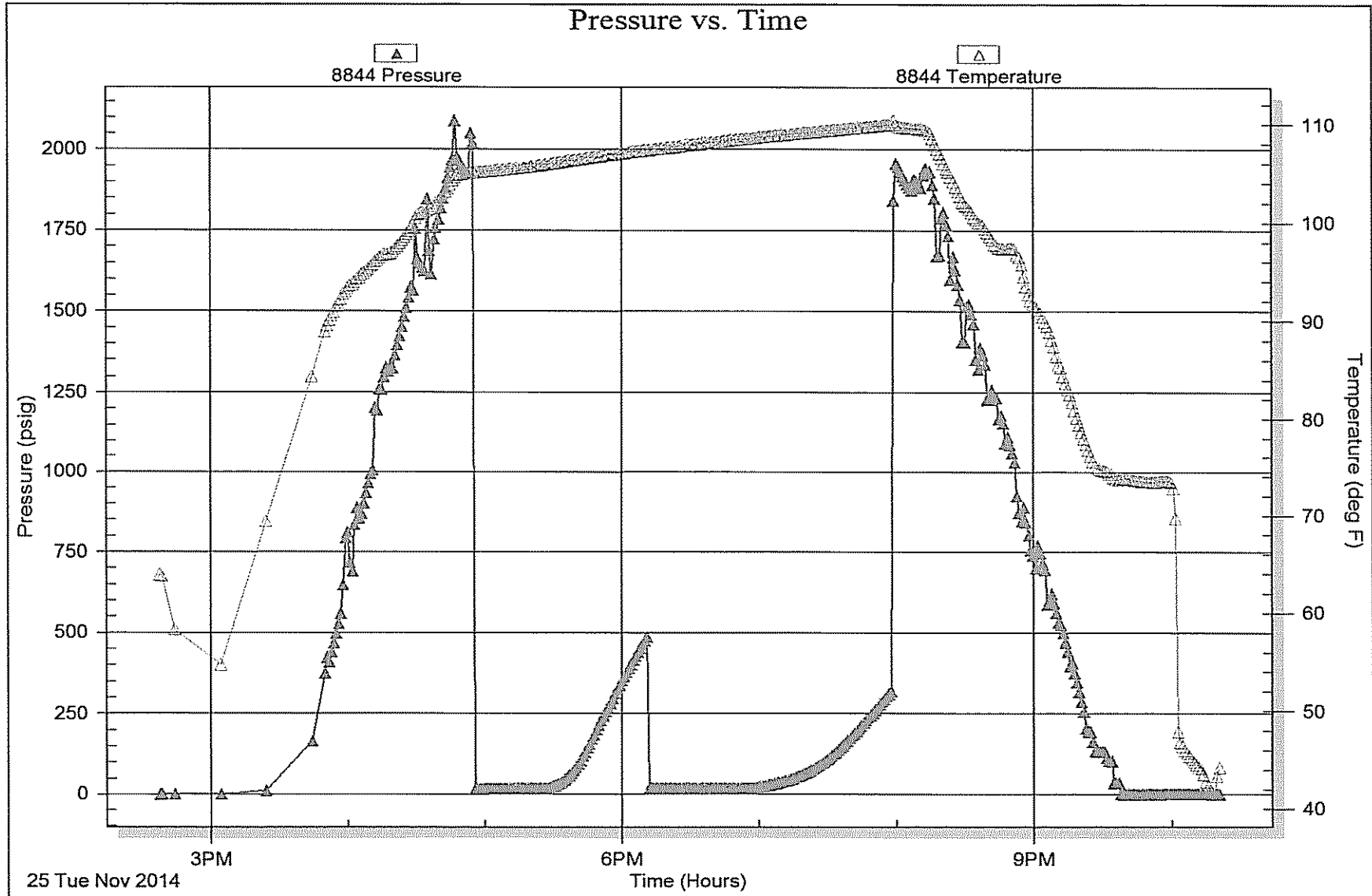
\* Recovery from multiple tests

### Gas Rates

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









**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

34 14s 32w Logan, Ks

301 S Market St.  
Wichita, Ks 67202

Krebs A # 5-34

Job Ticket: 59711

DST#: 5

ATTN: Steve Davis

Test Start: 2014.11.26 @ 10:30:50

### GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 13:06:50

Time Test Ended: 18:55:05

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Interval: 4197.00 ft (KB) To 4246.00 ft (KB) (TVD)

Reference Elevations: 2656.00 ft (KB)

Total Depth: 4246.00 ft (KB) (TVD)

2644.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6771

Inside

Press@RunDepth: 38.71 psig @ 4198.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.26

End Date:

2014.11.26

Last Calib.: 2014.11.26

Start Time: 10:30:50

End Time:

18:32:05

Time On Btm: 2014.11.26 @ 13:06:35

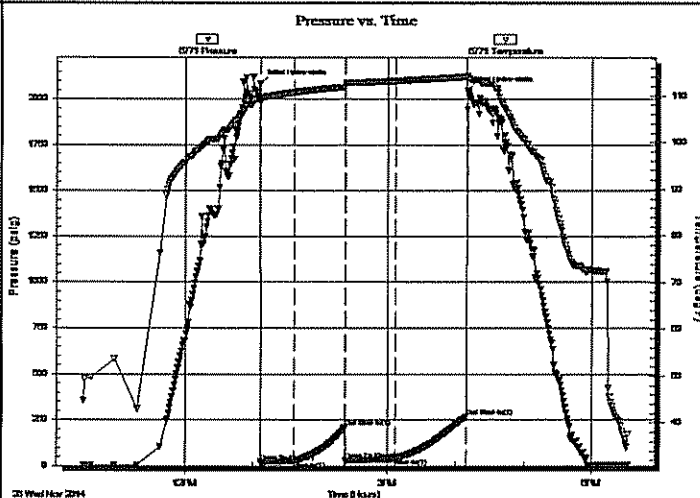
Time Off Btm: 2014.11.26 @ 16:10:35

TEST COMMENT: 1/4" in @ open died in 23 min.

No return

Very weak surface blow died in 6 min.

No return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2083.55	109.33	Initial Hydro-static
1	19.80	108.47	Open To Flow (1)
31	27.87	110.75	Shut-In(1)
76	206.98	111.88	End Shut-In(1)
76	28.44	112.40	Open To Flow (2)
120	38.71	113.20	Shut-In(2)
183	266.60	114.06	End Shut-In(2)
184	2050.27	113.91	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
10.00	o c m 35% o 65% m	0.05
0.00	50' GIP ? very faint odor	0.00
0.00	show of free oil in tool	0.00

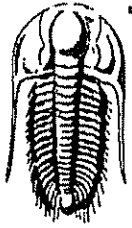
\* Recovery from multiple tests

### Gas Rates

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







**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas Co

34 14s 32w Logan, Ks

301 S Market St.  
Wichita, Ks 67202

**Krebs A # 5-34**

Job Ticket: 59711

DST#: 5

ATTN: Steve Davis

Test Start: 2014.11.26 @ 10:30:50

### 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: 60.00 sec/qt

Cushion Volume:

bbf

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	o c m 35%o 65%m	0.049
0.00	50' GIP ? very faint odor	0.000
0.00	show of free oil in tool	0.000

Total Length: 10.00 ft

Total Volume: 0.049 bbf

Num Fluid Samples: 0

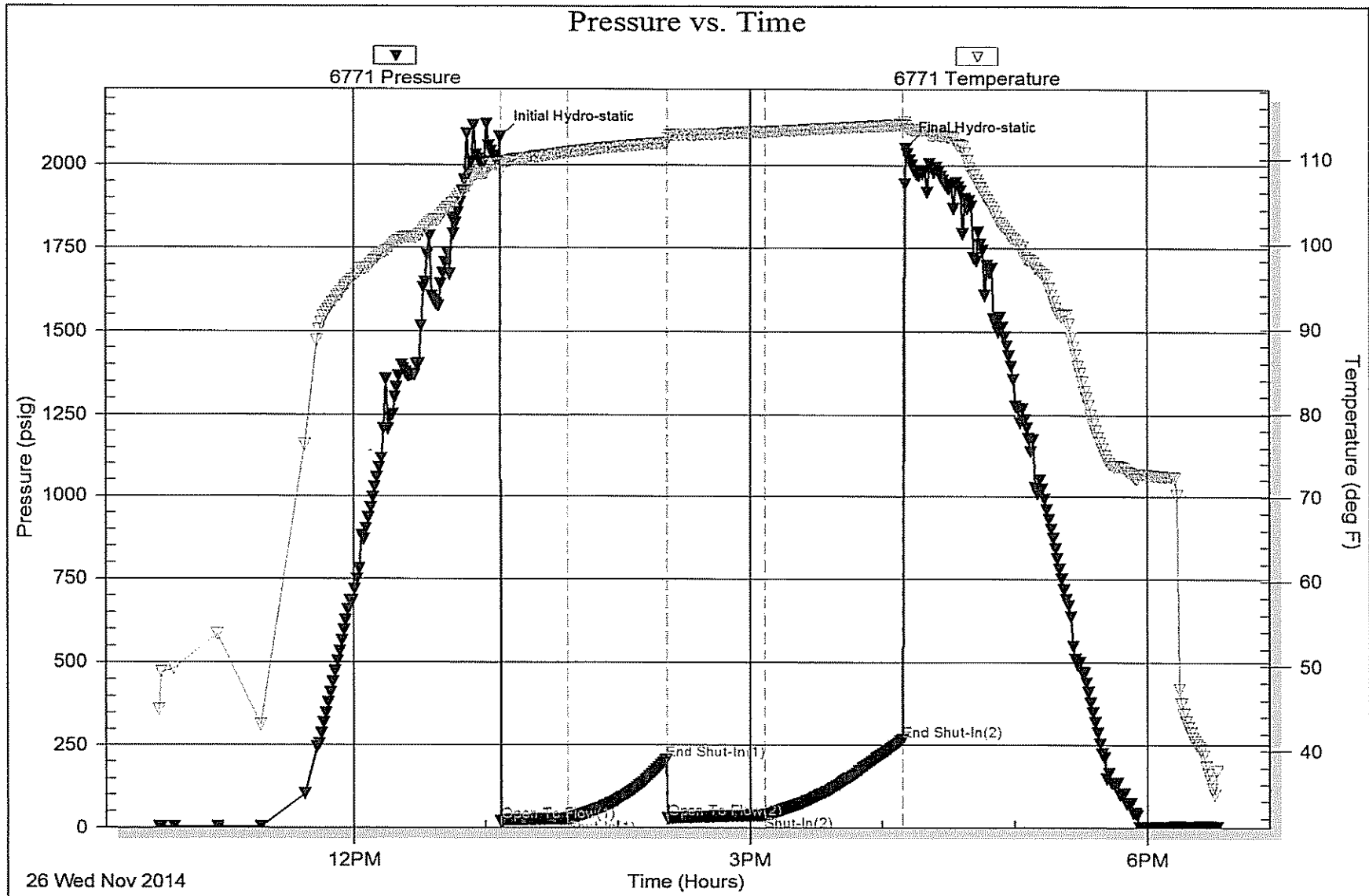
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

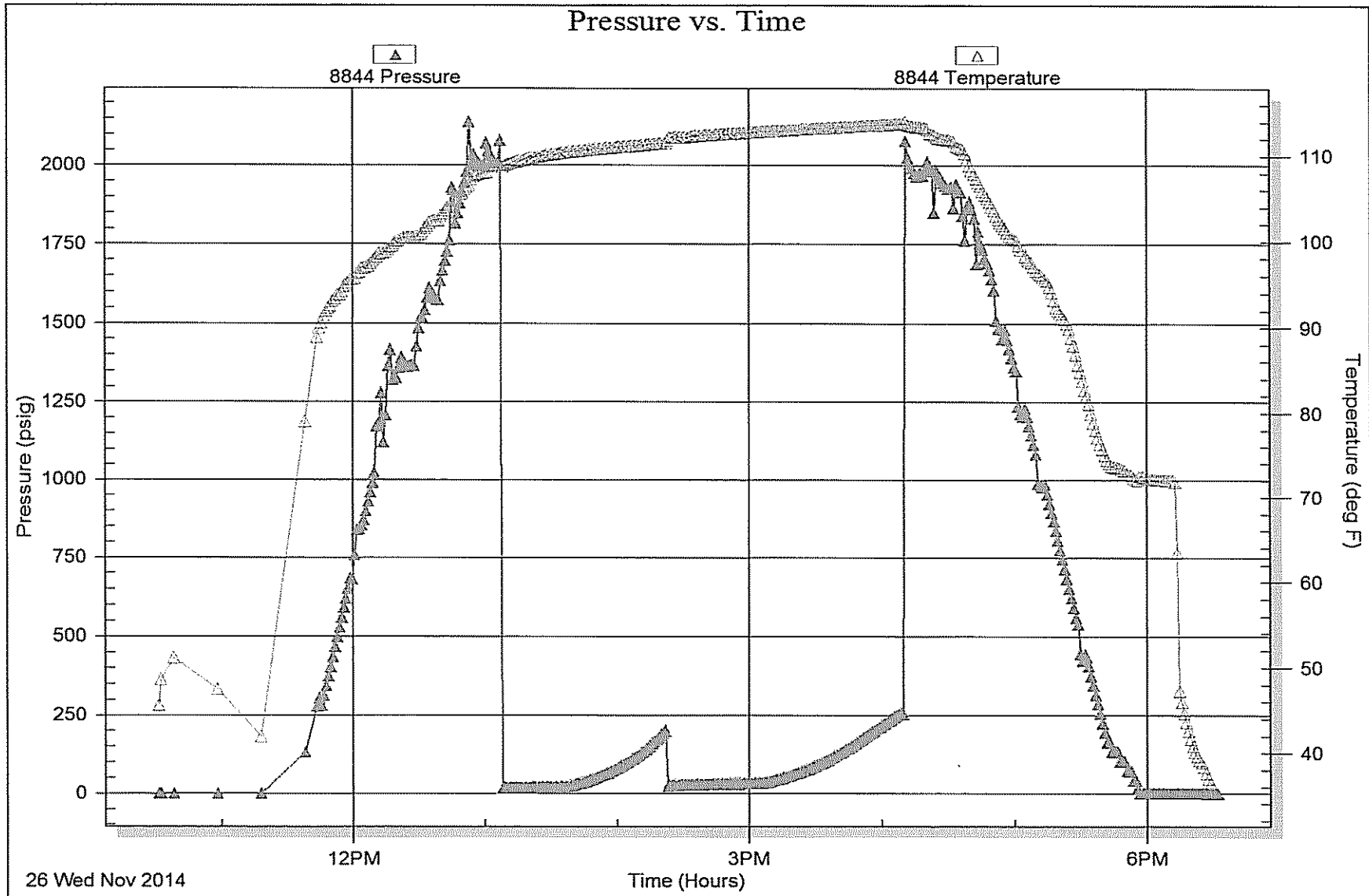


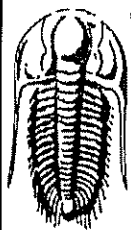
Serial #: 8844

Outside Lario Oil & Gas Co

Krebs A # 5-34

DST Test Number: 5





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

34 14s 32w Logan, Ks

301 S Market St.  
Wichita, Ks 67202

Krebs A # 5-34

Job Ticket: 59712

DST#: 6

ATTN: Steve Davis

Test Start: 2014.11.27 @ 04:30:52

### GENERAL INFORMATION:

Formation: Basal Penn Sand

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 07:27:07

Time Test Ended: 14:55:22

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Interval: 4241.00 ft (KB) To 4300.00 ft (KB) (TVD)

Reference Elevations: 2656.00 ft (KB)

Total Depth: 4300.00 ft (KB) (TVD)

2644.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6771

Inside

Press@RunDepth: 616.11 psig @ 4242.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.27

End Date:

2014.11.27

Last Calib.: 2014.11.27

Start Time: 04:30:52

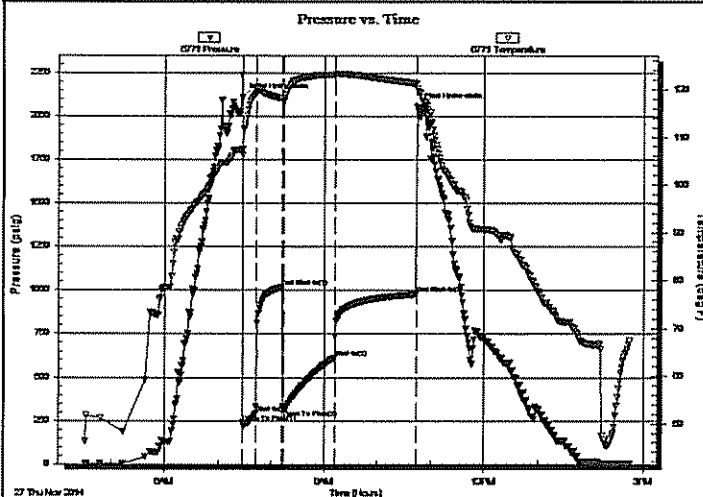
End Time:

14:44:22

Time On Btm: 2014.11.27 @ 07:26:52

Time Off Btm: 2014.11.27 @ 10:44:52

TEST COMMENT: B.O.B. in 2 1/2 min.  
Bled off for 8 min. back to B.O.B. in 7 min.  
B.O.B. @ open  
Bled off for 10 min. back to B.O.B. in 7 min. (G.T.S. 24 min into shutin)



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.24	107.39	Initial Hydro-static
1	237.76	106.16	Open To Flow (1)
16	291.48	119.22	Shut-In(1)
45	1018.20	118.11	End Shut-In(1)
47	315.82	117.42	Open To Flow (2)
106	616.11	123.05	Shut-In(2)
197	978.96	121.25	End Shut-In(2)
198	2052.85	120.18	Final Hydro-static

### Recovery

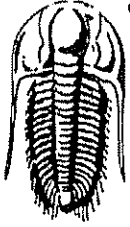
Length (ft)	Description	Volume (bbl)
125.00	g m c o 40g 25m 35o	0.61
186.00	s m c g o 40g 15m 45o	1.47
1331.00	c g o 35g 65o	18.67

\* 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  
301 S Market St.  
Wichita, Ks 67202  
ATTN: Steve Davis

34 14s 32w Logan, Ks  
Krebs A # 5-34  
Job Ticket: 59712      DST#: 6  
Test Start: 2014.11.27 @ 04:30:52

### Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	31 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbf		
Water Loss:	7.20 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2400.00 ppm				
Filter Cake:	1.00 inches				

### Recovery Information

Recovery Table

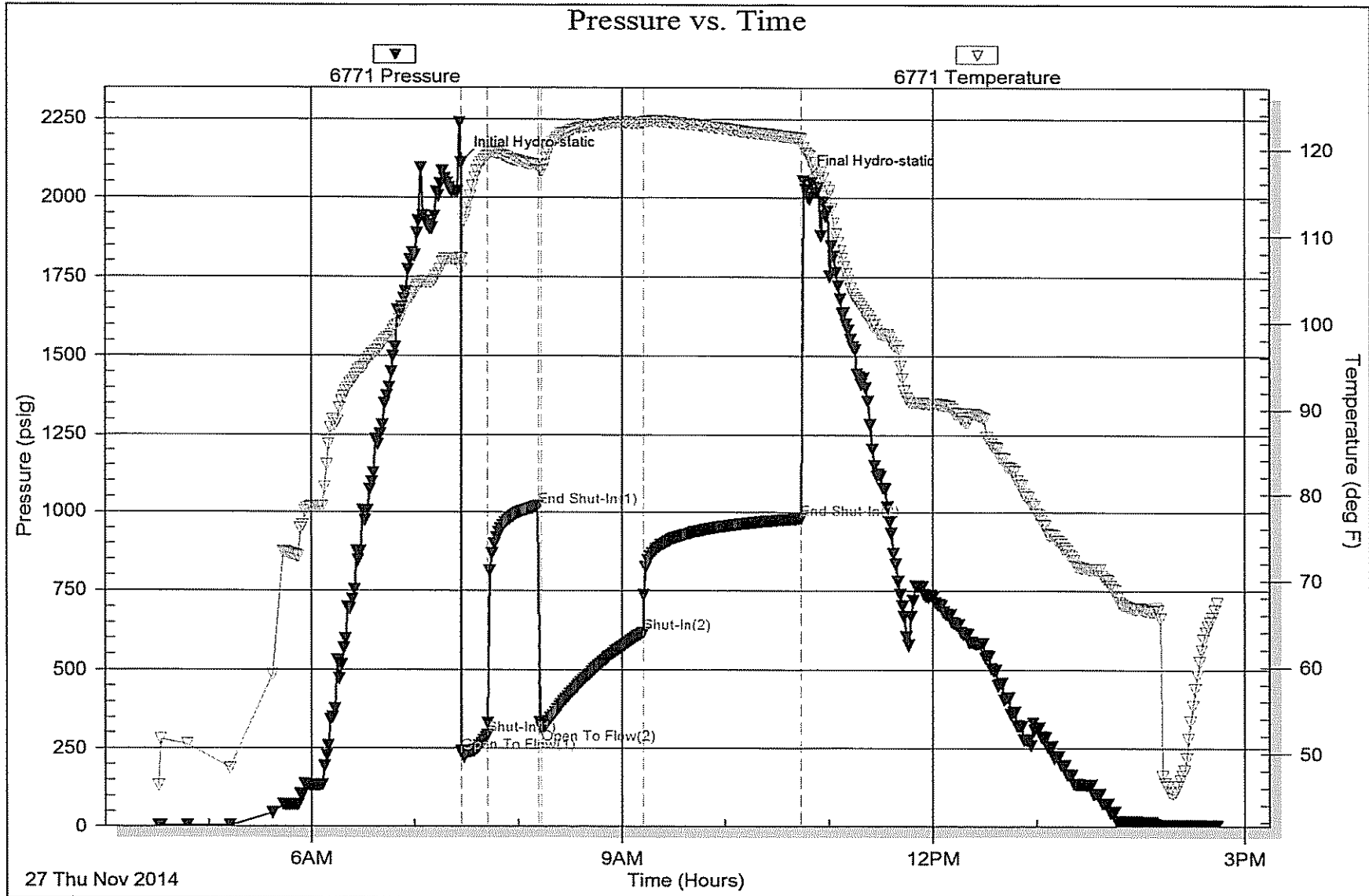
Length ft	Description	Volume bbf
125.00	g m c o 40g 25m 35o	0.615
186.00	s m c g o 40g 15m 45o	1.470
1331.00	c g o 35g 65o	18.670

Total Length: 1642.00 ft      Total Volume: 20.755 bbf

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

Laboratory Name:      Laboratory Location:

Recovery Comments:



Serial #: 8844

Outside Lario Oil & Gas Co

Krebs A # 5-34

DST Test Number: 6

