

1217104

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

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Krause 1-23
Doc ID	1217104

All Electric Logs Run

MAI/MFE
MSS
MPD/MDN
MML

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Krause 1-23
Doc ID	1217104

Tops

Name	Top	Datum
Heebner	4023	-837
Lansing	4069	-8863
Stark Shale	4366	-1180
Hushpuckney	4424	-1238
Base KC	4497	-1311
Marmaton	4526	-1340
Pawnee	4619	-1433
Ft. Scott	4645	-1459
Johnson	4753	-1567
Morrow	4832	-1646
Basal Penn	4907	-1721
Mississippian	4927	-1741



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 # 270026

Invoice Date: 07/31/2014 Terms: 15/15/10,n/30

Page 1

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

KRAUSE 1-23
47652
23-18-35
07/25/2014
KS

AFE 14-148
drilling / surface pipe
8-8-14 LK

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	240.00	18.5500	4452.00
1102	CALCIUM CHLORIDE (50#)	677.00	.9400	636.38
1118B	PREMIUM GEL / BENTONITE	451.00	.2700	121.77

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-781.52
9995-130	CEMENT EQUIPMENT DISCOUNT	-359.93

Description	Hours	Unit Price	Total
693 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
693 EQUIPMENT MILEAGE (ONE WAY)	50.00	5.25	262.50
693 TON MILEAGE DELIVERY	1.00	987.00	987.00

Handwritten signature and initials

Amount Due 8034.28 if paid after 08/10/2014

Parts:	5210.15	Freight:	.00	Tax:	360.94	AR	6829.14
Labor:	.00	Misc:	.00	Total:	6829.14		
Sublt:	-1141.45	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

270026

TICKET NUMBER 47652
LOCATION Oakley, Ks.
FOREMAN Danner

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/25/14	4793	Krause 1-23	23	18	35	Wichita
CUSTOMER Lacio Oil & Gas			Ks.			
MAILING ADDRESS			Modoc			
CITY			WTO			
STATE			Rd 24			
ZIP CODE			S+W into			
TRUCK #	DRIVER	TRUCK #	DRIVER			
731	Cory					
693	Robert					

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 374 CASING SIZE & WEIGHT 8 5/8, 24'
CASING DEPTH 371 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
DISPLACEMENT 22.35 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting Rig upon Southwind #70 Run Casing Break
Circulation With Rig Pump Hookup To Pump Truck mix 240 SKS Com
3% CC 2% Gel Wash up Pump & Lines Displace 22.35 bbl water
Shut in Rig Down
Cement Did Circulate

Approx 5 bbl To Pit

Thanks Danner & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	\$1150.00	\$1150.00 ✓
5406	50	MILEAGE	\$5.25	\$262.50 ✓
5407A	11.28	Ton Mileage Delivery	\$1.75	\$987.00 ✓
11045	240 SKS	Class "A" Cement	\$18.55	\$4452.00 ✓
1102	677 *	Calcium Chloride	\$.94	\$636.38 ✓
1118B	451 *	Bentonite	\$.27	\$121.77 ✓
			SubTotal	\$7609.65
			Less 15%	\$1141.45 ✓
			SubTotal	\$6468.20
			SALES TAX	360.94 ✓
			ESTIMATED TOTAL	6829.14 ✓

AUTHORIZATION Sam Steg TITLE _____ 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.



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 144883
Invoice Date: Aug 6, 2014
Page: 1

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

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

Customer ID	Field Ticket #	Payment Terms	
Lario	64074	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Aug 6, 2014	9/5/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Krause #1-23		
280.00	CEMENT MATERIALS	60/40 4% Gel Blend	18.92	5,297.60
70.00	CEMENT MATERIALS	Flo Seal	2.97	207.90
300.72	CEMENT SERVICE	Cubic Feet Charge	2.48	745.79
753.60	CEMENT SERVICE	Ton Mileage Charge	2.75	2,072.40
1.00	CEMENT SERVICE	Plug to Abandon	2,483.59	2,483.59
60.00	CEMENT SERVICE	Pump Truck Mileage	7.70	462.00
60.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	264.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	OPERATOR ASSISTANT	Adam Flipse		

AUG 20 2014

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

\$ 3,459.98

ONLY IF PAID ON OR BEFORE
Sep 5, 2014

Subtotal	11,533.28
Sales Tax	939.96
Total Invoice Amount	12,473.24
Payment/Credit Applied	
TOTAL	12,473.24

ALLIED OIL & GAS SERVICES, LLC 064074

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley KS

DATE <u>8-6-14</u>	SEC <u>23</u>	TWP <u>18</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION <u>1:50pm</u>	JOB START <u>1:50pm</u>	JOB FINISH <u>12:00pm</u>
LEASE <u>Krause</u>	WELL# <u>1-23</u>	LOCATION <u>Scott City W to Rd</u>	COUNTY <u>Wichita</u>	STATE <u>KS</u>			
OLD OR (NEW) (Circle one)		<u>24 1/2 S, winter</u>					

CONTRACTOR <u>Southwind 70</u>	OWNER <u>Same</u>
TYPE OF JOB <u>PTA</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4600'</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>2440'</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>1st plug 5160' water 22.59 lb/mud</u>	EQUIPMENT
<u>2nd plug 7160' water</u>	
PUMP TRUCK CEMENTER <u>Paul Beaver</u>	
# <u>423/281</u> HELPER <u>Adam Flipse</u>	
BULK TRUCK	
# <u>818/287</u> DRIVER <u>Tuan 2</u>	<u>TWS</u>
BULK TRUCK	
#	DRIVER

CEMENT		
AMOUNT ORDERED <u>280 sks 60/40</u>		
<u>4% gel 1/4 # Flo-seal</u>		
COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
<u>60/40# Lite 280 sks</u>	@ <u>18.92</u>	<u>5297.60</u>
<u>Flo-seal 70#</u>	@ <u>2.97</u>	<u>207.90</u>
<u>material total</u>	@	<u>5505.50</u>
<u>(1651.65 / 30%)</u>	@	
HANDLING <u>300.72 ft³</u>	@ <u>2.48</u>	<u>745.79</u>
MILEAGE <u>12.56 hrs x 60mi x 2.55</u>		<u>2072.40</u>
TOTAL		

REMARKS:
1st plug mix 50 sks @ 2440' Displace w/ mud
2nd plug mix 80 sks @ 1320' Displace w/ water
3rd plug mix 50 sks @ 660' Displace w/ water
4th plug mix 50 sks @ 400'
5th plug mix 20 sks @ 60'
mix 30 sks in B.H.

Thank you!
Paul + Crew

CHARGE TO: Lario oil & Gas
 STREET _____
 CITY _____ STATE _____ ZIP _____

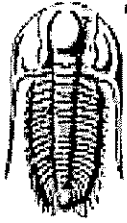
DEPTH OF JOB	<u>2440'</u>	
PUMP TRUCK CHARGE		<u>2483.59</u>
EXTRA FOOTAGE	@	
MILEAGE <u>MIHV 60</u>	@ <u>7.70</u>	<u>462.00</u>
MANIFOLD	@	
<u>MIHV 60</u>	@ <u>4.40</u>	<u>264.00</u>
<u>(1803.33 / 30%)</u>	@	
TOTAL		<u>6027.78</u>

PLUG & FLOAT EQUIPMENT		
	@	
	@	
	@	
	@	
	@	
TOTAL		

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 SA in Charge
 SIGNATURE [Signature]

SALES TAX (If Any) _____
 TOTAL CHARGES 11533.28
 DISCOUNT 3459.98 (30%) IF PAID IN 30 DAYS
8073.30 NET



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS. 67202

Krause # 1-23

Job Ticket: 57708

DST#: 1

ATTN: Steve Davis

Test Start: 2014.07.30 @ 16:34:00

GENERAL INFORMATION:

Formation: LKC "D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:41:55

Time Test Ended: 00:11:54

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No:

Interval: 4155.00 ft (KB) To 4175.00 ft (KB) (TVD)

Total Depth: 4175.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3186.00 ft (KB)

3175.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8674 Inside

Press@RunDepth: 124.57 psig @ 4156.00 ft (KB)

Start Date: 2014.07.30

End Date:

2014.07.31

Start Time: 16:34:00

End Time:

00:11:54

Capacity: 8000.00 psig

Last Calib.: 2014.07.31

Time On Blm: 2014.07.30 @ 18:41:40

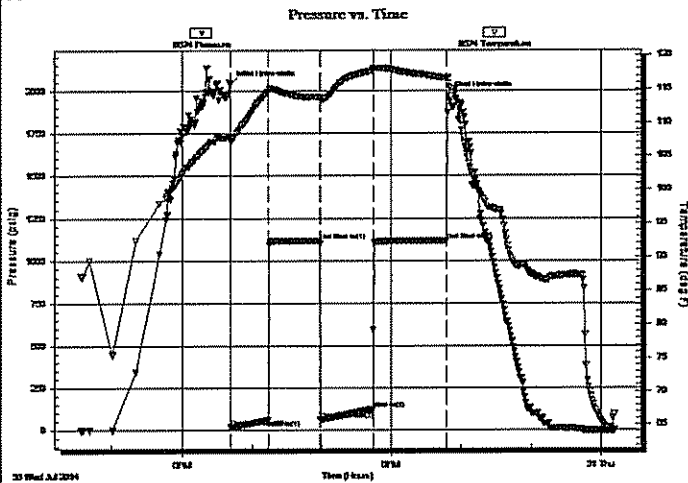
Time Off Blm: 2014.07.30 @ 21:49:09

TEST COMMENT: IF- Weak Surface Blow Built to 7 3/4"

ISL- No Blow

FF- Weak Surface Blow Built to 6 1/2"

FSL- No Blow



PRESSURE SUMMARY

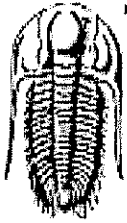
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2041.06	107.92	Initial Hydro-static
1	18.77	107.08	Open To Flow (1)
32	60.73	114.50	Shut-In(1)
77	1115.60	113.76	End Shut-In(1)
78	61.81	113.30	Open To Flow (2)
123	124.57	117.70	Shut-In(2)
186	1114.67	116.59	End Shut-In(2)
188	1974.44	115.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MCW 15%m 85%w with Oil Spots	1.74
62.00	MCW 24%m 76%w with a Skim of Oil	0.87
57.00	WCM 47%w 53%m with a Skim of Oil	0.80
1.00	100%oil	0.01

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS. 67202

Krause # 1-23

Job Ticket: 57708

DST#: 1

ATTN: Steve Davis

Test Start: 2014.07.30 @ 16:34:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
124.00	MCW 15%m 85%w with Oil Spots	1.739
62.00	MCW 24%m 76%w with a Skim of Oil on To	0.870
57.00	WCM 47%w 53%m with a Skim of Oil on T	0.800
1.00	100%oil	0.014

Total Length: 244.00 ft Total Volume: 3.423 bbf

Num Fluid Samples: 0

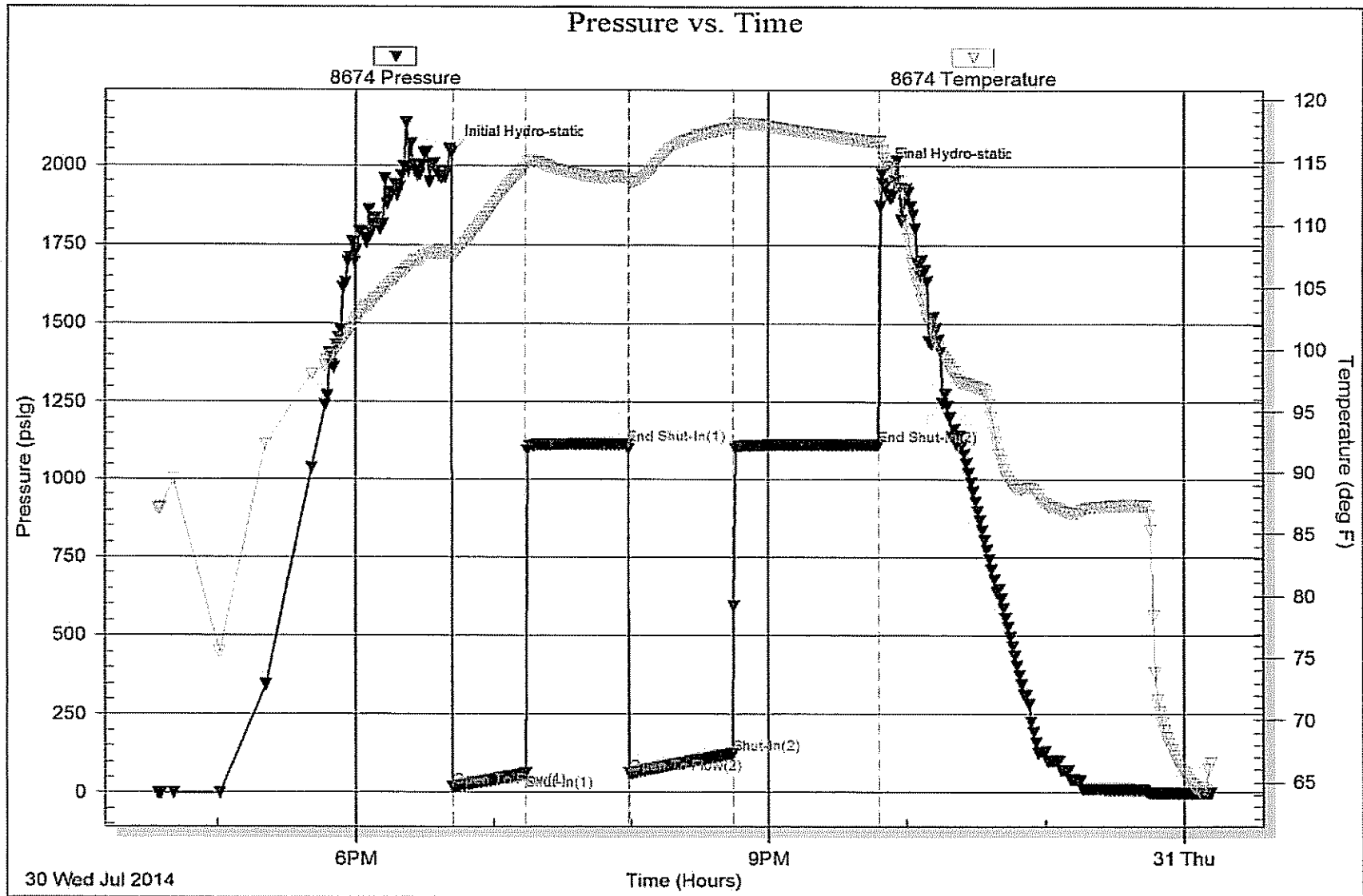
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .267 @ 68f = 26000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS. 67202

Krause # 1-23

Job Ticket: 57709

DST#: 2

ATTN: Steve Davis

Test Start: 2014.07.31 @ 13:56:00

GENERAL INFORMATION:

Formation: LKC "H"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:43:55

Time Test Ended: 21:04:54

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 72

Interval: 4262.00 ft (KB) To 4287.00 ft (KB) (TVD)

Total Depth: 4287.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3186.00 ft (KB)

3175.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8674 Inside

Press@RunDepth: 437.57 psig @ 4263.00 ft (KB)

Start Date: 2014.07.31

End Date:

2014.07.31

Start Time: 13:56:00

End Time:

21:04:54

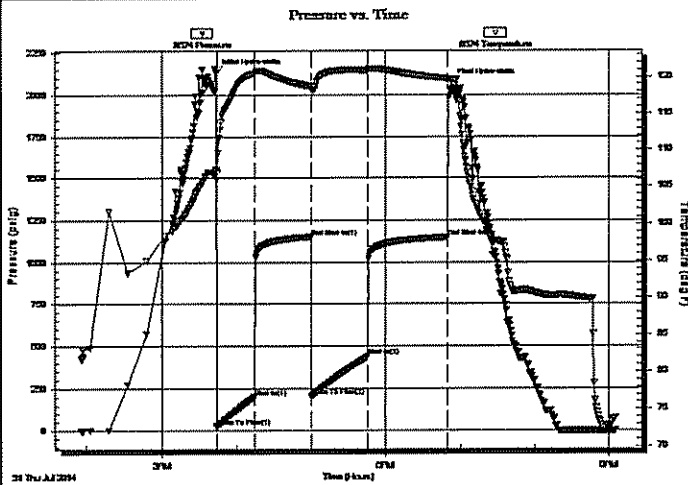
Capacity: 8000.00 psig

Last Calib.: 2014.07.31

Time On Blm: 2014.07.31 @ 15:43:40

Time Off Blm: 2014.07.31 @ 18:52:39

TEST COMMENT: IF- Weak Surface Blow Built to BOB in 9 3/4min
 ISI- No Blow
 FF- Weak Surface Blow Built to BOB in 11 1/2min
 FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2136.36	107.34	Initial Hydro-static
1	22.65	105.95	Open To Flow (1)
31	200.50	120.49	Shut-In(1)
77	1151.59	118.71	End Shut-In(1)
77	204.00	118.28	Open To Flow (2)
122	437.57	120.90	Shut-In(2)
186	1148.47	119.73	End Shut-In(2)
189	2073.54	119.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
558.00	MCW 9% _m 91% _w	7.83
248.00	MCW 33% _m 67% _w	3.48
124.00	WCM 39% _w 61% _m	1.74

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS. 67202

Krause # 1-23

Job Ticket: 57709

DST#: 2

ATTN: Steve Davis

Test Start: 2014.07.31 @ 13:56:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

24500 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
558.00	MCW 9%m 91%w	7.827
248.00	MCW 33%m 67%w	3.479
124.00	WCM 39%w 61%m	1.739

Total Length: 930.00 ft Total Volume: 13.045 bbf

Num Fluid Samples: 0

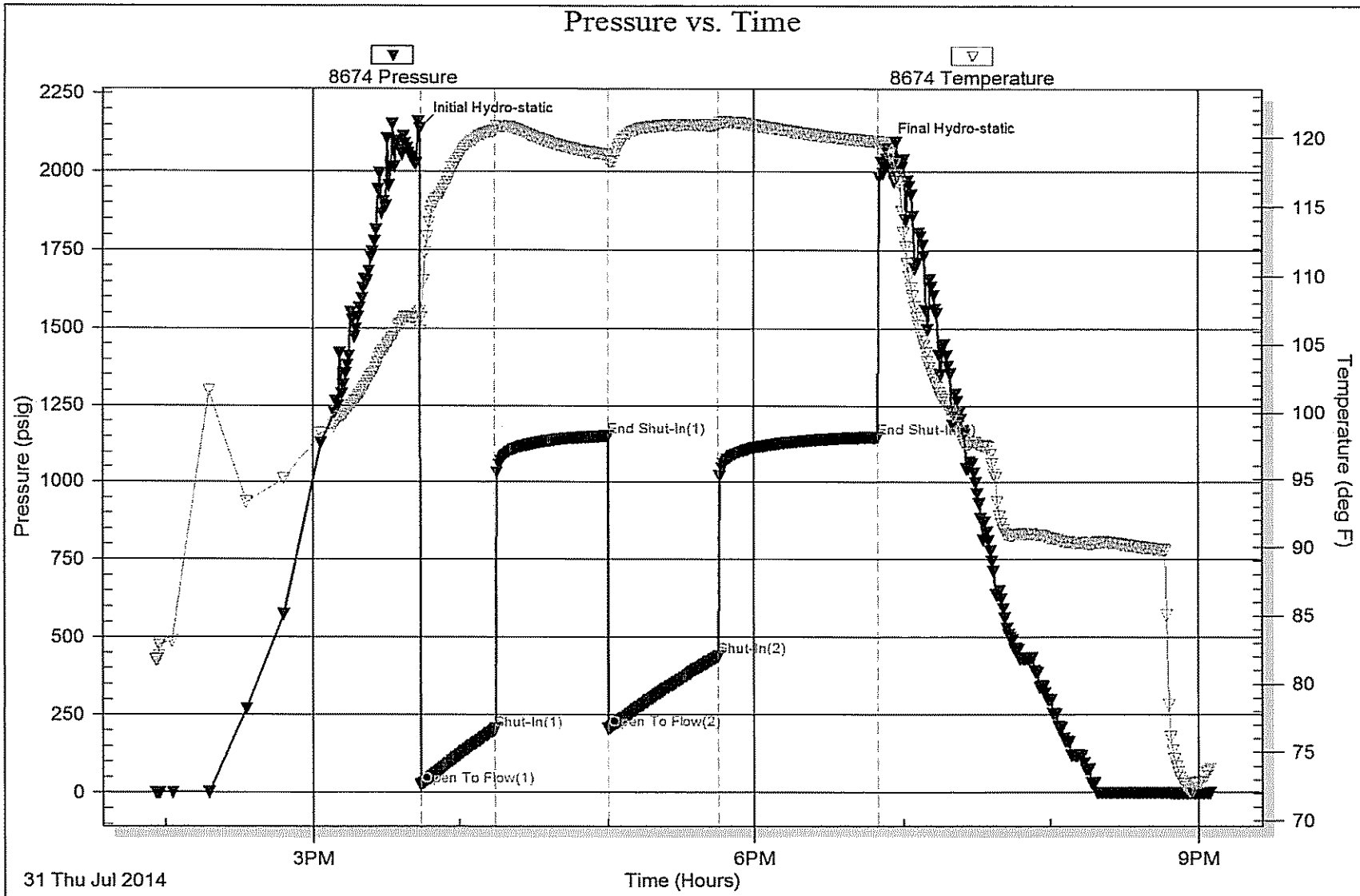
Num Gas Bombs: 0

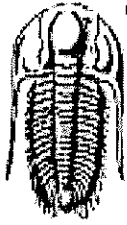
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .245 @ 78f = 24500





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS. 67202

Krause # 1-23

Job Ticket: 57710

DST#: 3

ATTN: Steve Davis

Test Start: 2014.08.01 @ 07:48:00

GENERAL INFORMATION:

Formation: LKC "1"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:48:40

Time Test Ended: 14:30:54

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No:

Interval: 4302.00 ft (KB) To 4332.00 ft (KB) (TVD)

Total Depth: 4332.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3186.00 ft (KB)

3175.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8674 Inside

Press@RunDepth: 44.12 psig @ 4303.00 ft (KB)

Start Date: 2014.08.01

End Date:

2014.08.01

Start Time: 07:48:00

End Time:

14:30:54

Capacity: 8000.00 psig

Last Calib.: 2014.08.01

Time On Btm: 2014.08.01 @ 09:48:25

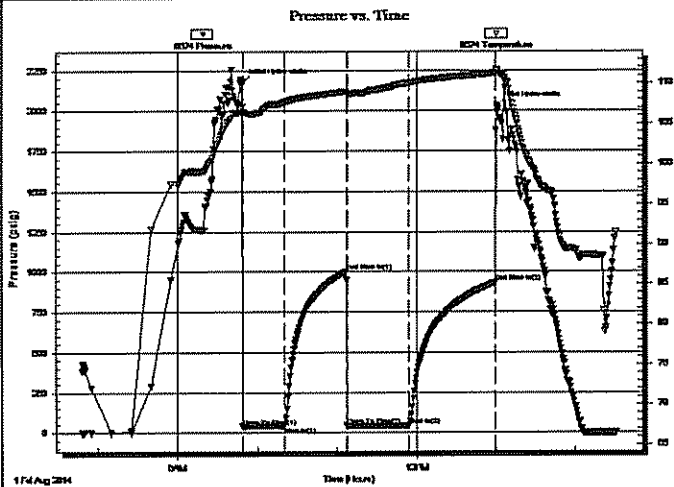
Time Off Btm: 2014.08.01 @ 13:00:39

TEST COMMENT: IF- Weak Surface Blow

IS- No Blow

FF- No Blow

FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.11	107.07	Initial Hydro-static
1	39.00	106.23	Open To Flow (1)
32	40.21	107.65	Shut-In(1)
79	1001.48	108.99	End Shut-In(1)
79	43.12	108.59	Open To Flow (2)
126	44.12	110.04	Shut-In(2)
191	931.38	111.27	End Shut-In(2)
193	2033.59	111.32	Final Hydro-static

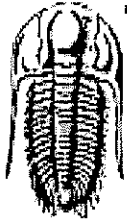
Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% mud with a Few Oil Spots in Tool	0.84

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS. 67202

Krause # 1-23

Job Ticket: 57710

DST#: 3

ATTN: Steve Davis

Test Start: 2014.08.01 @ 07:48:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	100% mud with a Few Oil Spots in Tool	0.842

Total Length: 60.00 ft

Total Volume: 0.842 bbl

Num Fluid Samples: 0

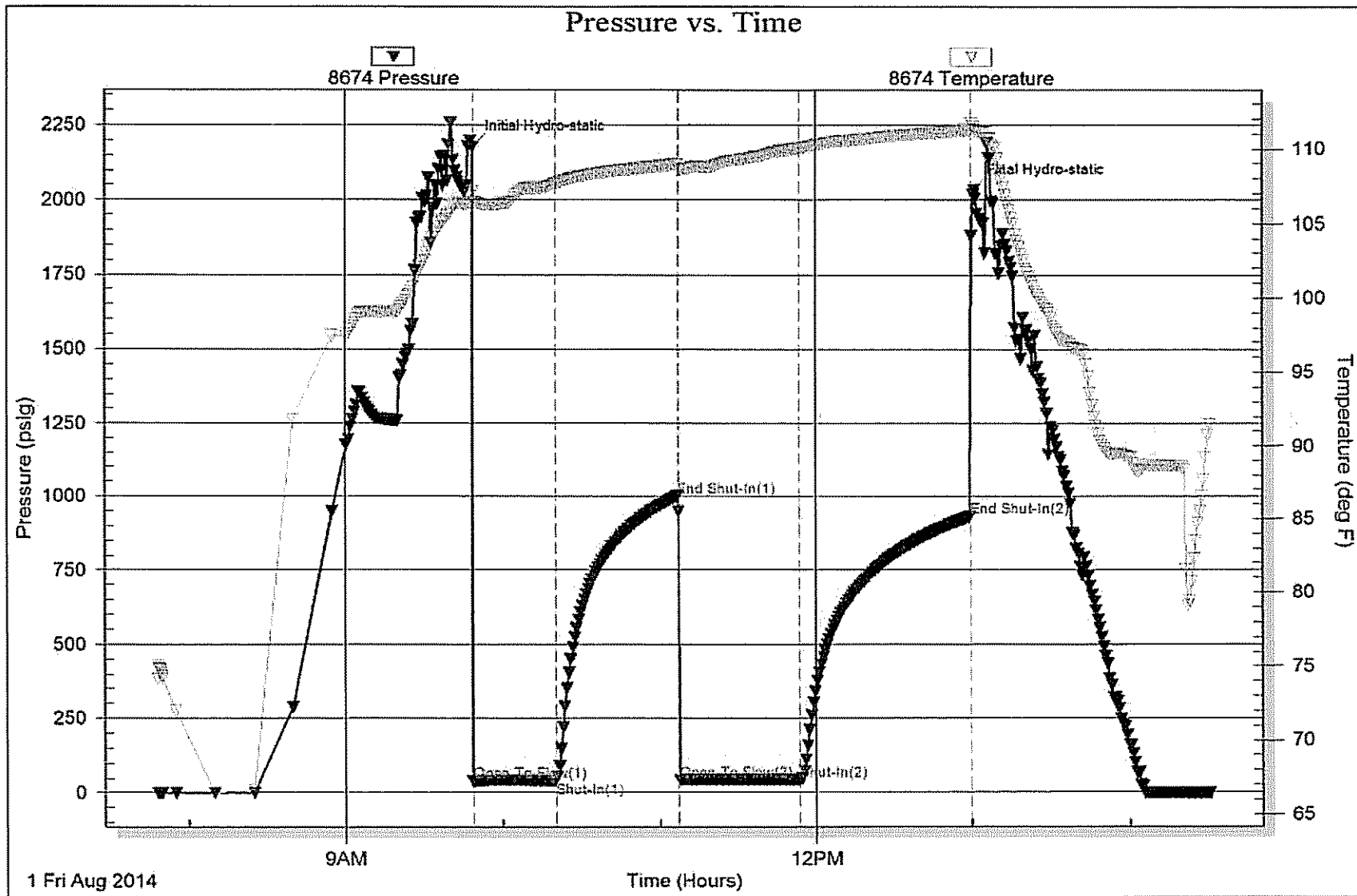
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS. 67202

Krause # 1-23

Job Ticket: 57711

DST#: 4

ATTN: Steve Davis

Test Start: 2014.08.02 @ 18:52:00

GENERAL INFORMATION:

Formation: **Marmanton "A- B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:37:40

Time Test Ended: 01:45:54

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No:

Interval: **4518.00 ft (KB) To 4580.00 ft (KB) (TVD)**

Reference Elevations: 3186.00 ft (KB)

Total Depth: 4580.00 ft (KB) (TVD)

3175.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674 Inside

Press@RunDepth: 146.89 psig @ 4519.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.02

End Date:

2014.08.03

Last Calib.: 2014.08.03

Start Time: 18:52:00

End Time:

01:45:54

Time On Btm: 2014.08.02 @ 20:37:25

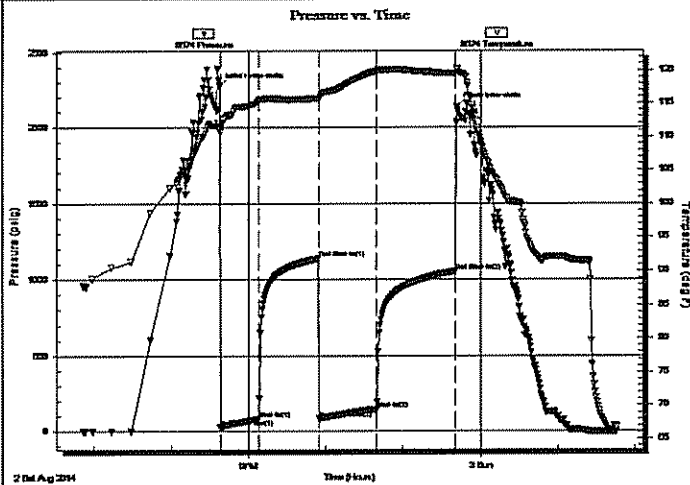
Time Off Btm: 2014.08.02 @ 23:41:39

TEST COMMENT: IF- Weak Surface Blow Built to 5 3/4"

IS- No Blow

FF- Weak Surface Blow Built to 1 3/4"

FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2276.60	112.01	Initial Hydro-static
1	25.57	110.57	Open To Flow (1)
31	82.13	115.26	Shut-In(1)
77	1135.58	115.75	End Shut-In(1)
78	85.86	115.43	Open To Flow (2)
122	146.89	119.85	Shut-In(2)
183	1053.70	119.44	End Shut-In(2)
185	2137.52	120.23	Final Hydro-static

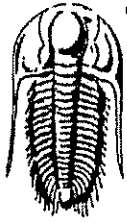
Recovery

Length (ft)	Description	Volume (bbl)
124.00	GWCM 3%g 42%w 55%m	1.74
62.00	GWCM 3%g 28%w 69%m	0.87
94.00	WCM 17%w 83%m with a Skim of Oil	1.32

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS. 67202

Krause # 1-23

Job Ticket: 57711

DST#: 4

ATTN: Steve Davis

Test Start: 2014.08.02 @ 18:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

27000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 10.36 in²

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
124.00	GWCM 3%g 42%w 55%m	1.739
62.00	GWCM 3%g 28%w 69%m	0.870
94.00	WCM 17%w 83%m with a Skim of Oil on To	1.319

Total Length: 280.00 ft Total Volume: 3.928 bbf

Num Fluid Samples: 0

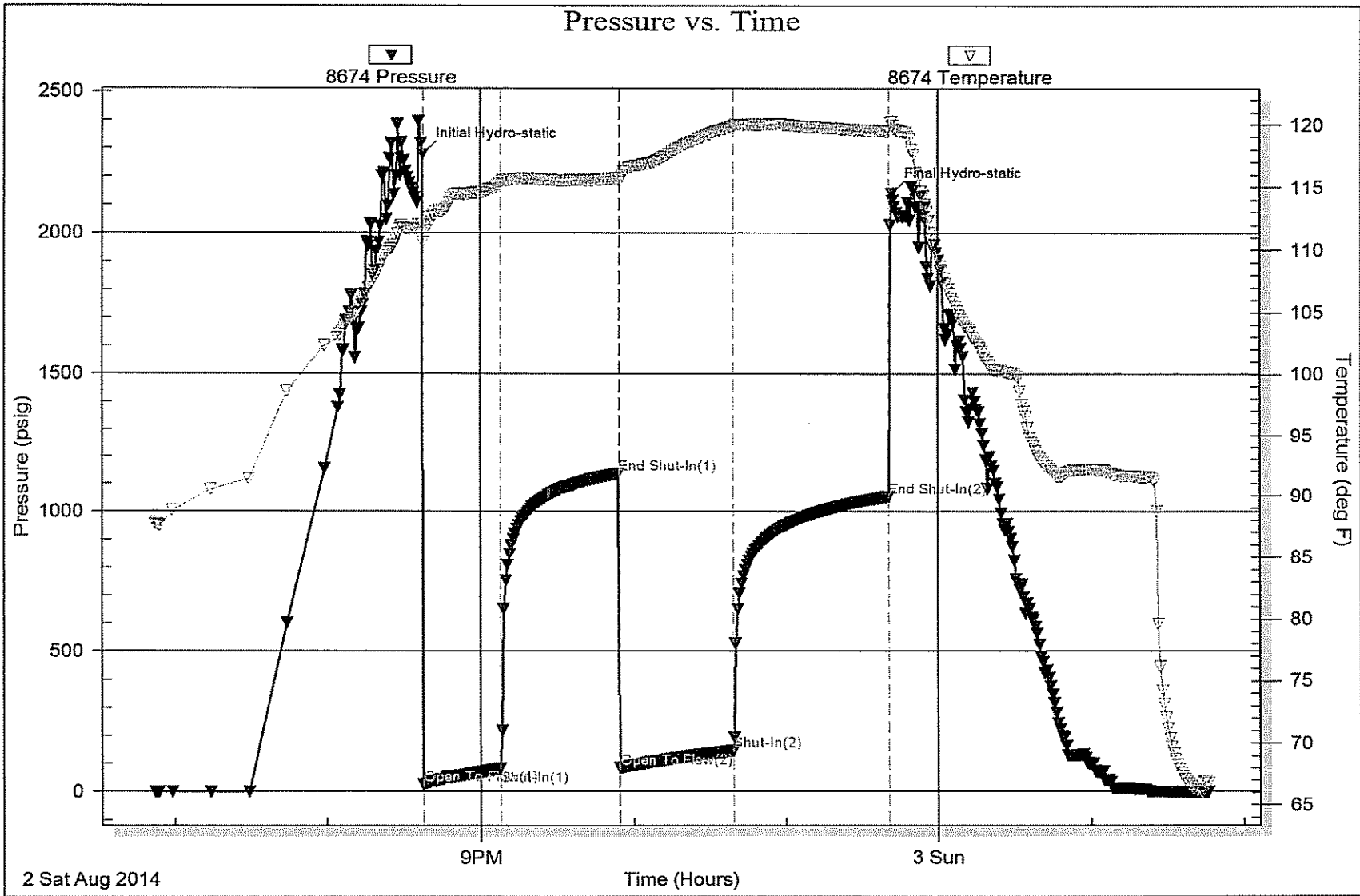
Num Gas Bombs: 0

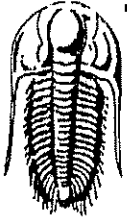
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .233 @ 73f = 27000





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS. 67202

Krause # 1-23

Job Ticket: 57712

DST#: 5

ATTN: Steve Davis

Test Start: 2014.08.03 @ 12:30:00

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:13:25
 Time Test Ended: 19:38:09

Test Type: Conventional Bottom Hole (Reset)
 Tester: Will MacLean
 Unit No:

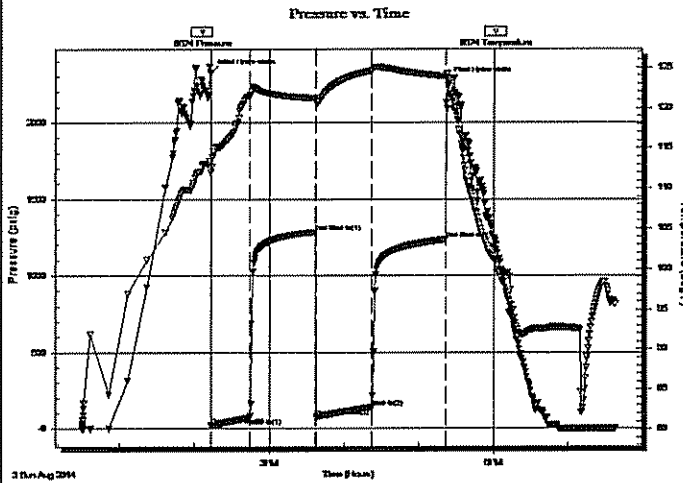
Interval: **4604.00 ft (KB) To 4628.00 ft (KB) (TVD)**
 Total Depth: **4628.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Good

Reference Elevations: **3186.00 ft (KB)**
3175.00 ft (CF)
 KB to GR/CF: **11.00 ft**

Serial #: 8674 Inside
 Press@RunDepth: **140.02 psig @ 4605.00 ft (KB)**
 Start Date: **2014.08.03** End Date: **2014.08.03**
 Start Time: **12:30:00** End Time: **19:38:09**

Capacity: **8000.00 psig**
 Last Calib.: **2014.08.03**
 Time On Btm: **2014.08.03 @ 14:13:10**
 Time Off Btm: **2014.08.03 @ 17:23:09**

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2321.78	113.44	Initial Hydro-static
1	20.30	112.00	Open To Flow (1)
32	71.44	121.59	Shut-In(1)
84	1283.19	121.22	End Shut-In(1)
84	76.79	120.63	Open To Flow (2)
129	140.02	124.63	Shut-In(2)
189	1233.76	123.89	End Shut-In(2)
190	2268.64	124.12	Final Hydro-static

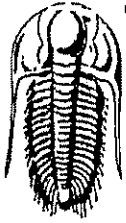
Recovery

Length (ft)	Description	Volumes (bbl)
124.00	OGMCW 4%oil 8%g 14%m 74%w	1.74
62.00	GOMCW 5%g 6%oil 26%m 63%w	0.87
62.00	OWGCM 3%oil 4%w 8%g 85%m	0.87
20.00	WOCM 5%w 7%oil 88%m	0.28
5.00	100%oil	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS. 67202

Krause # 1-23

Job Ticket: 57712

DST#: 5

ATTN: Steve Davis

Test Start: 2014.08.03 @ 12:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

34500 ppm

Viscosity: 76.00 sec/qt

Cushion Volume:

bbf

Water Loss: 11.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
124.00	OGMCW 4%oil 8%g 14%m 74%w	1.739
62.00	GOMCW 5%g 6%oil 26%m 63%w	0.870
62.00	OWGCM 3%oil 4%w 8%g 85%m	0.870
20.00	WOCM 5%w 7%oil 88%m	0.281
5.00	100%oil	0.070

Total Length: 273.00 ft Total Volume: 3.830 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

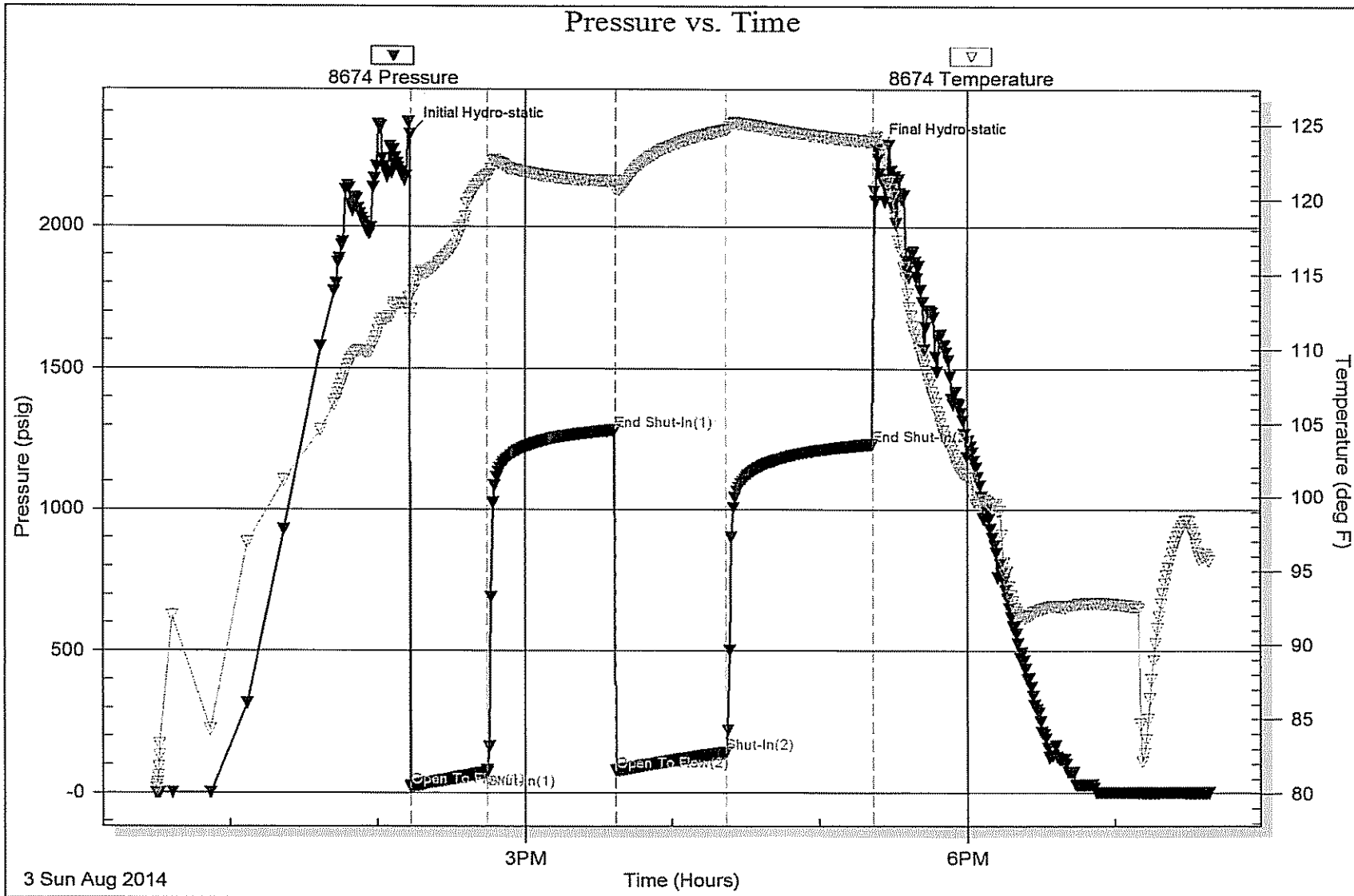
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .134 @ 100f = 34500

API is 31 @ 90f = 28





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS. 67202

Krause # 1-23

Job Ticket: 57713

DST#: 6

ATTN: Steve Davis

Test Start: 2014.08.04 @ 10:48:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:37:10

Time Test Ended: 17:35:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No:

Interval: 4658.00 ft (KB) To 4716.00 ft (KB) (TVD)

Reference Elevations: 3186.00 ft (KB)

Total Depth: 4716.00 ft (KB) (TVD)

3175.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674 Inside

Press@RunDepth: 21.35 psig @ 4659.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.04

End Date:

2014.08.04

Last Calib.: 2014.08.04

Start Time: 10:48:00

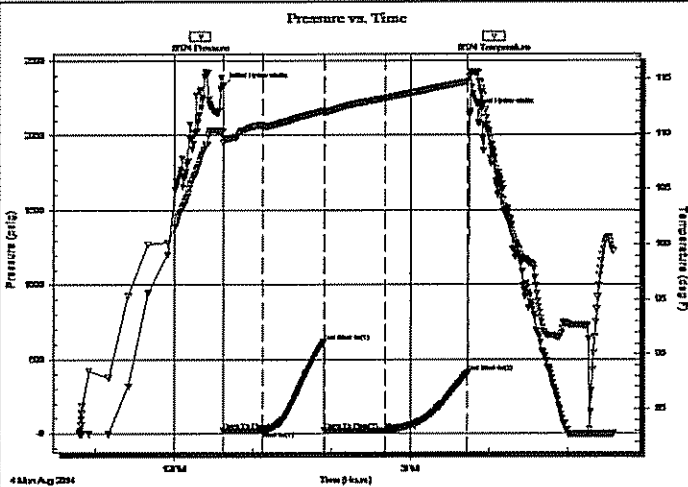
End Time:

17:35:24

Time On Btm: 2014.08.04 @ 12:36:55

Time Off Btm: 2014.08.04 @ 15:45:39

TEST COMMENT: IF- Weak Surface Blow
 IS- No Blow
 FF- Very Weak Surface Blow in 15min
 FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2327.53	110.27	Initial Hydro-static
1	19.48	109.18	Open To Flow (1)
31	21.43	110.72	Shut-In(1)
77	616.26	112.08	End Shut-In(1)
78	21.57	111.85	Open To Flow (2)
124	21.35	113.23	Shut-In(2)
187	410.52	114.73	End Shut-In(2)
189	2156.70	115.23	Final Hydro-static

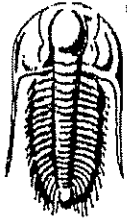
Recovery

Length (ft)	Description	Volume (bbl)
10.00	WCM 2%w 98%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 Company

23-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS. 67202

Krause # 1-23

Job Ticket: 57713

DST#: 6

ATTN: Steve Davis

Test Start: 2014.08.04 @ 10:48:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	WCM 2%w 98%m	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

