



KANSAS CORPORATION COMMISSION 1059915
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Wolf 1-20
Doc ID	1059915

All Electric Logs Run

MAI/MFE
MSS
MML
MDN/MPD

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Wolf 1-20
Doc ID	1059915

Tops

Name	Top	Datum
Heebner	3985	-833
Lansing	4029	-877
Stark Sh	4331	-1179
Hushpuckney	4385	-1233
Base KC	4460	-1308
Marmaton	4491	-1339
Pawnee	4573	-1421
Ft. Scott	4596	-1444
Cherokee	4609	-1457
Johnson	4699	-1547
Morrow	4782	-1630
Basal Penn	4835	-1683
Mississippian	4854	-1702
St. Louis	4889	-1737

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 02, 2011

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

Re: ACO1
API 15-171-20817-00-00
Wolf 1-20
SW/4 Sec.20-18S-34W
Scott County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Jay Schweikert



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
FAX 620/431-0012

INVOICE

Invoice # 242879

Invoice Date: 07/27/2011 Terms: 20/20/30,n/30

Page 1

LARIO OIL & GAS
301 S. MARKET ST.
WICHITA KS 67202
(316)265-5611

WOLF 1-20
28106
20-18-34
7-19-11
KS

Drilling
AFE-11-161
7/30/11

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	220.00	16.8000	3696.00
1102	CALCIUM CHLORIDE (50#)	621.00	.8400	521.64
1118B	PREMIUM GEL / BENTONITE	414.00	.2400	99.36

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-863.40
9999-130	CASH DISCOUNT	-375.70

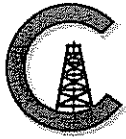
Description	Hours	Unit Price	Total
399 CEMENT PUMP (SURFACE)	1.00	1025.00	1025.00
399 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.00	200.00
T-127 TON MILEAGE DELIVERY	1.00	653.49	653.49

lc
AUG - 1 / 2011
lc

Amount Due 6553.81 if paid after 08/26/2011

Parts:	4317.00	Freight:	.00	Tax:	286.66	AR	5243.05
Labor:	.00	Misc:	.00	Total:	5243.05		
Sublt:	-1239.10	Supplies:	.00	Change:	.00		

Signed _____ Date _____



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 # 243100

Invoice Date: 07/31/2011 Terms: 20/20/30,n/30 Page 1

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

WOLF 1-20
28112
20-18-34
7-30-11
KS

Drilling AFE 11-162
8.5.2011 LB

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	280.00	14.3500	4018.00
1118B	PREMIUM GEL / BENTONITE	964.00	.2400	231.36
1107	FLO-SEAL (25#)	70.00	2.6600	186.20
4432	8 5/8" WOODEN PLUG	1.00	96.0000	96.00

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-906.32
9999-130	CASH DISCOUNT	-442.18

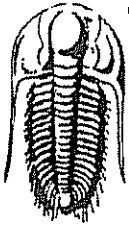
Description	Hours	Unit Price	Total
439 TON MILEAGE DELIVERY	1.00	380.47	380.47
463 P & A NEW WELL	1.00	1250.00	1250.00
463 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.00	200.00
535 TON MILEAGE DELIVERY	1.00	380.46	380.46

[Handwritten signatures and stamps]

Amount Due 7118.60 if paid after 08/30/2011

Parts:	4531.56	Freight:	.00	Tax:	300.89	AR	5694.88
Labor:	.00	Misc:	.00	Total:	5694.88		
Sublt:	-1348.50	Supplies:	.00	Change:	.00		

Signed _____ Date _____



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

Wolf 1-20

301 S market st
Wichita, Ks 67202

20-18s-34w Scott, KS

ATTN: Wess Hansen

Job Ticket: 042712

DST#: 1

Test Start: 2011.07.24 @ 01:42:00

GENERAL INFORMATION:

Formation: Toronto- Lansing A

Deviated: No Whipstock ft (KB)

Time Tool Opened: 03:29:40

Time Test Ended: 08:50:39

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 3982.00 ft (KB) To 4050.00 ft (KB) (TVD)

Total Depth: 4050.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3152.00 ft (KB)

3142.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press@RunDepth: 284.71 psig @ 3983.00 ft (KB)

Start Date: 2011.07.24

End Date:

2011.07.24

Capacity: 8000.00 psig

Last Calib.: 2011.07.24

Start Time: 01:42:00

End Time:

08:50:39

Time On Btm: 2011.07.24 @ 03:26:55

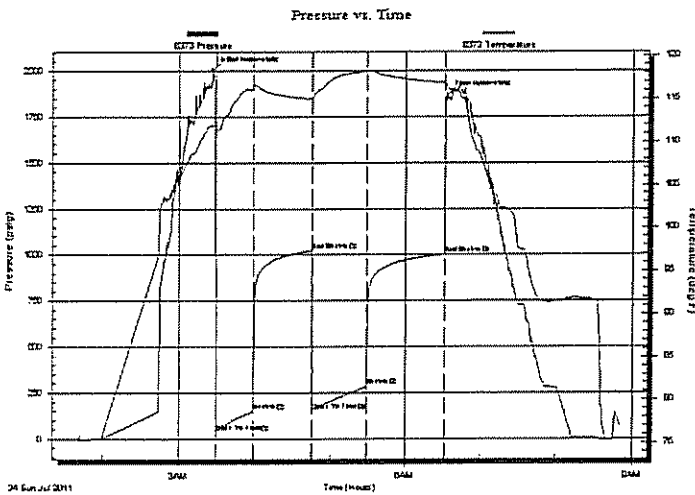
Time Off Btm: 2011.07.24 @ 06:33:24

TEST COMMENT: IF: 1/4 blow BOB in 10 min.

IS: No return.

FF: Surface blow BOB in 15 min.

FS: No return.



PRESSURE SUMMARY

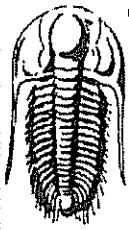
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2005.10	111.92	Initial Hydro-static
3	35.62	111.33	Open To Flow (1)
33	152.91	116.35	Shut-In(1)
79	1021.13	114.98	End Shut-In(1)
79	152.83	114.61	Open To Flow (2)
123	284.71	118.16	Shut-In(2)
185	1001.21	116.84	End Shut-In(2)
187	1866.33	116.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw 90%w 10%m	2.61
186.00	mcw 80%w 20%m	2.61
217.00	w cm 30%w 70%m	3.04

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

Wolf 1-20

301 S market st
Wichita, Ks 67202

20-18s-34w Scott, KS

Job Ticket: 042712

DST#: 1

ATTN: Wess Hansen

Test Start: 2011.07.24 @ 01:42:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 8.78 in³
Resistivity: 0.00 ohm.m
Salinity: 5000.00 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: 30000 ppm

Recovery Information

Recovery Table

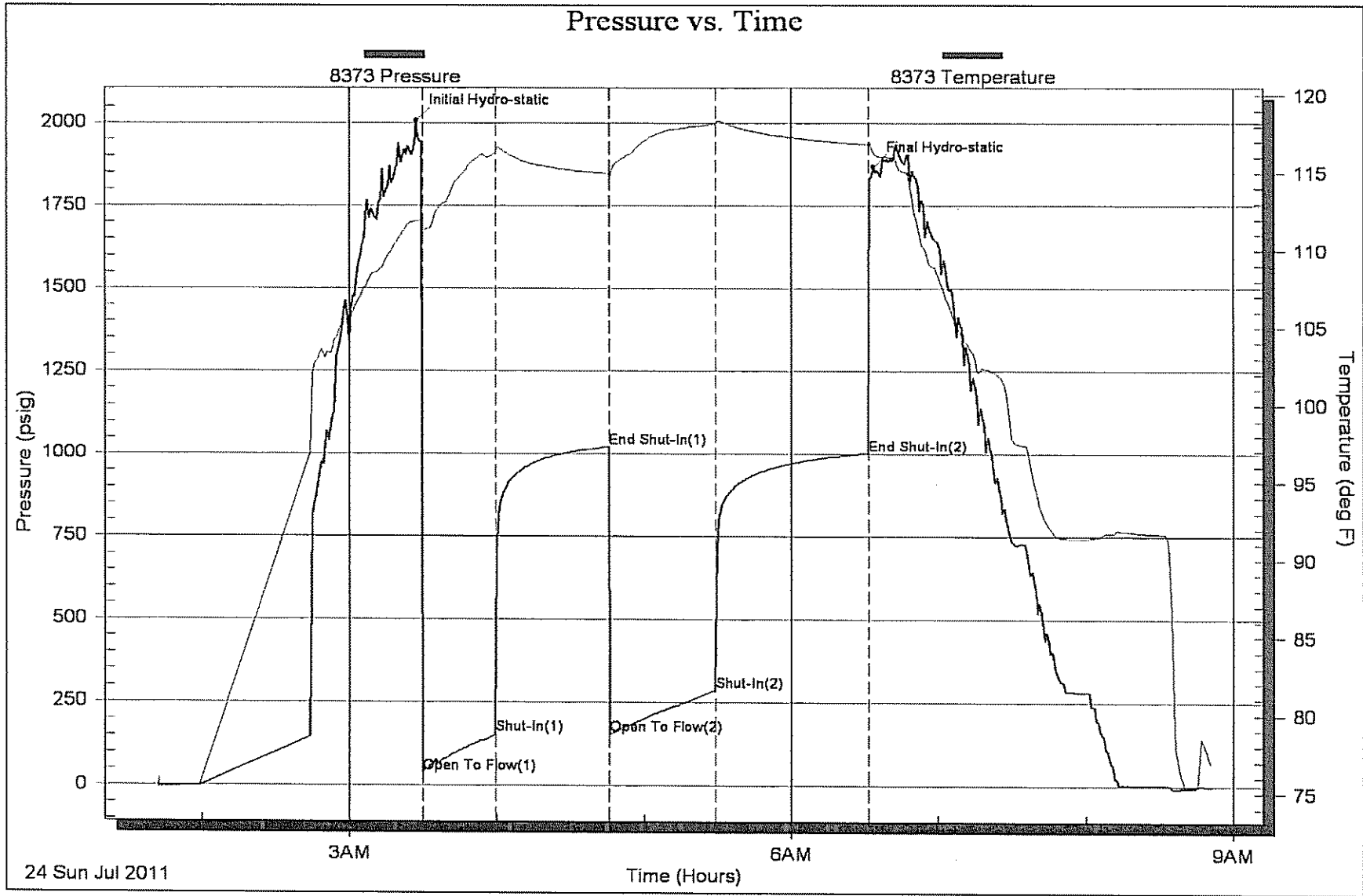
Length ft	Description	Volume bbl
186.00	mcw 90%w 10%m	2.609
186.00	mcw 80%w 20%m	2.609
217.00	wcm 30%w 70%m	3.044

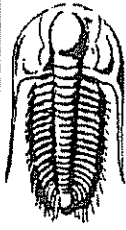
Total Length: 589.00 ft Total Volume: 8.262 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .22@73=30000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

Wolf 1-20

301 S market st
Wichita, Ks 67202

20-18s-34w Scott, KS

Job Ticket: 042713

DST#: 2

ATTN: Wess Hansen

Test Start: 2011.07.24 @ 19:21:06

GENERAL INFORMATION:

Formation: **Lansing D**

Deviated: **No Whipstock** ft (KB)

Time Tool Opened: 21:12:31

Time Test Ended: 02:51:15

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **35**

Interval: **4114.00 ft (KB) To 4134.00 ft (KB) (TVD)**

Total Depth: **4134.00 ft (KB) (TVD)**

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

Reference Elevations: **3152.00 ft (KB)**

3142.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8373

Inside

Press@RunDepth: **835.26 psig @ 4115.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.07.24**

End Date:

2011.07.25

Last Calib.: **2011.07.25**

Start Time: **19:21:06**

End Time:

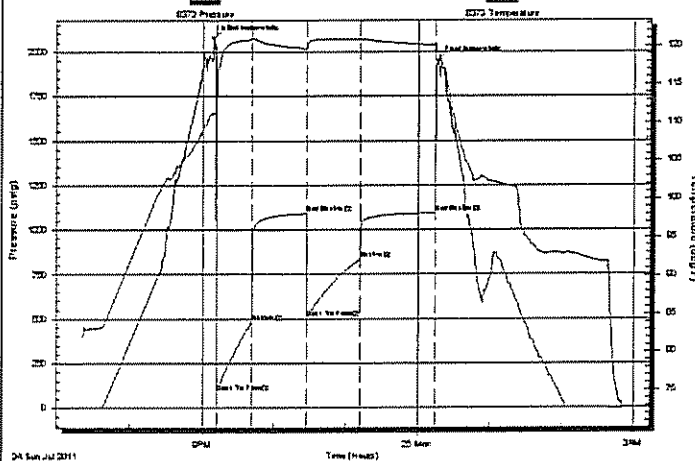
02:51:15

Time On Btm: **2011.07.24 @ 21:09:46**

Time Off Btm: **2011.07.25 @ 00:16:00**

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

Pressure vs. Time



PRESSURE SUMMARY

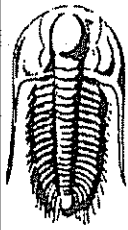
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2076.52	111.26	Initial Hydro-static
3	87.61	111.65	Open To Flow (1)
32	482.61	120.86	Shut-In(1)
77	1090.95	119.68	End Shut-In(1)
78	506.96	119.50	Open To Flow (2)
122	835.26	120.86	Shut-In(2)
185	1092.66	120.16	End Shut-In(2)
187	1951.37	119.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1222.00	water 100%w	17.14
372.00	ocw 2%o 98%w	5.22
372.00	ocmw 5%o 90%w 5%o	5.22
424.00	ocw m 5%o 10%w 85%o	5.95
10.00	oil 100%o	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

Wolf 1-20

301 S market st
Wichita, Ks 67202

20-18s-34w Scott, KS

Job Ticket: 042713

DST#: 2

ATTN: Wess Hansen

Test Start: 2011.07.24 @ 19:21:06

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:

21000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
1222.00	water 100%w	17.141
372.00	ocw 2%o 98%w	5.218
372.00	ocmw 5%o 90%w 5%m	5.218
424.00	ocw m 5%o 10%w 85%m	5.948
10.00	oil 100%o	0.140

Total Length: 2400.00 ft Total Volume: 33.665 bbf

Num Fluid Samples: 0

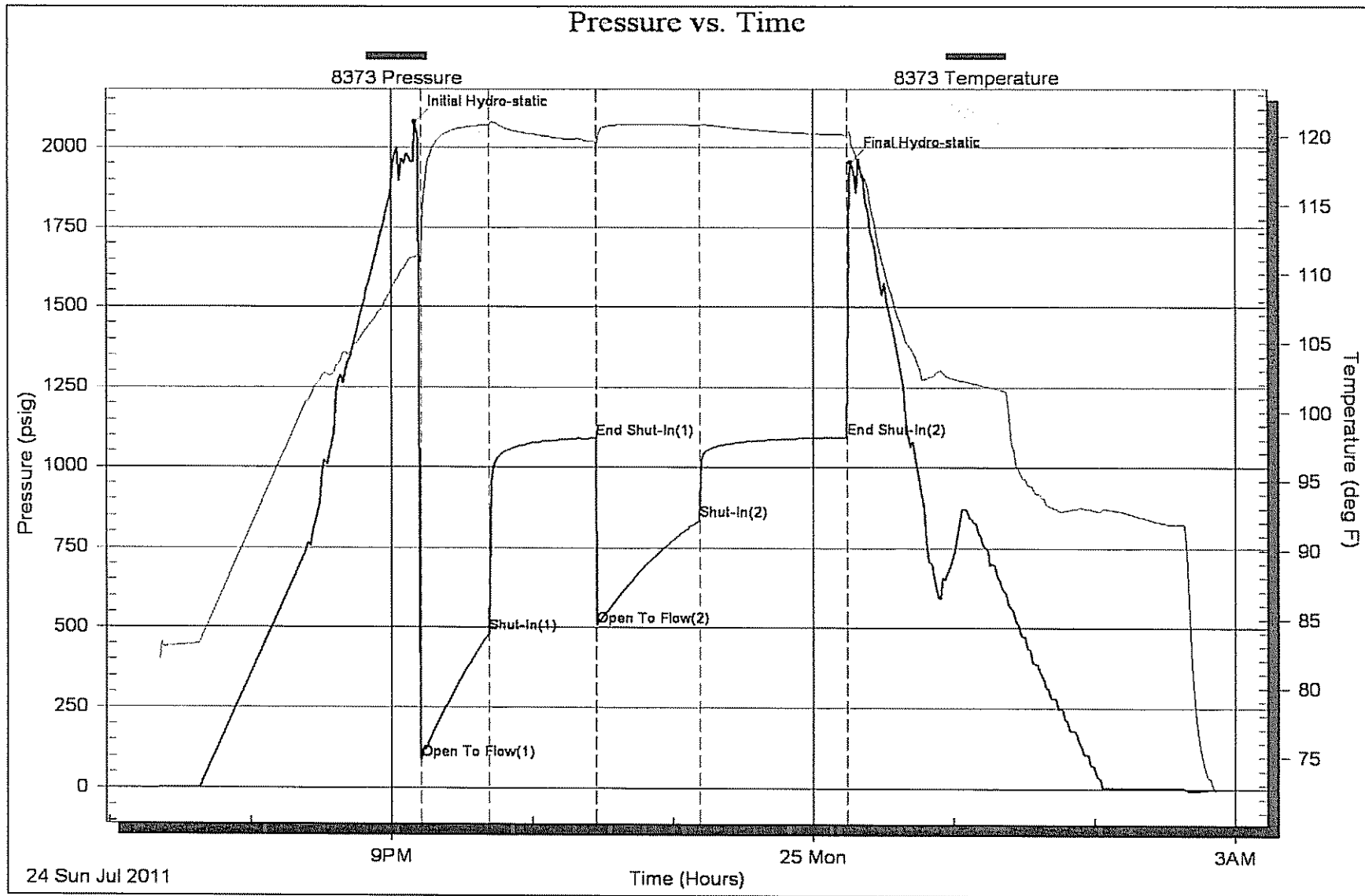
Num Gas Bombs: 0

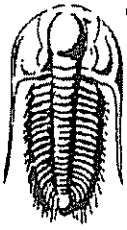
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .31@73=21000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

Wolf 1-20

301 S market st
Wichita, Ks 67202

20-18s-34w Scott, KS

Job Ticket: 042714

DST#: 3

ATTN: Wes Hansen

Test Start: 2011.07.25 @ 20:00:07

GENERAL INFORMATION:

Formation: Lansing H-1

Deviated: No Whipstock ft (KB)

Time Tool Opened: 21:44:32

Time Test Ended: 02:55:46

Test Type: Conventional Bottom Hole

Tester: Brandon Turley / w il

Unit No: 35

Interval: 4228.00 ft (KB) To 4296.00 ft (KB) (TVD)

Total Depth: 4296.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3152.00 ft (KB)

3142.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press@RunDepth: 461.38 psig @ 4229.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.25

End Date:

2011.07.26

Last Calib.: 2011.07.26

Start Time: 20:00:07

End Time:

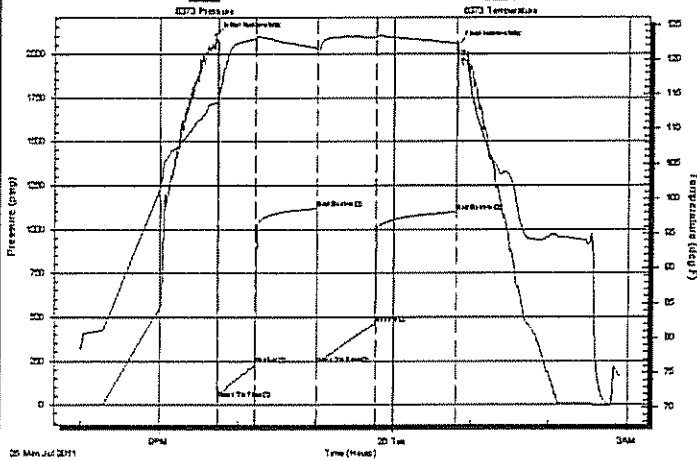
02:55:46

Time On Btm: 2011.07.25 @ 21:42:47

Time Off Btm: 2011.07.26 @ 00:49:16

TEST COMMENT: IF: BOB in 7 min.
IS: NO RETURN
FF: BOB IN 9 MIN
FS: NO RETURN

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2104.18	113.82	Initial Hydro-static
2	33.33	112.80	Open To Flow (1)
31	230.89	122.94	Shut-In(1)
78	1118.23	121.68	End Shut-In(1)
78	232.54	121.16	Open To Flow (2)
123	461.38	123.22	Shut-In(2)
186	1096.92	122.32	End Shut-In(2)
187	2050.80	122.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
434.00	w ater 100%w	6.09
310.00	mcw 90%w 10%m	4.35
248.00	mcw 60%w 40%m	3.48

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

Wolf 1-20

301 S market st
Wichita, Ks 67202

20-18s-34w Scott, KS

Job Ticket: 042714

DST#: 3

ATTN: Wes Hansen

Test Start: 2011.07.25 @ 20:00:07

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:

27000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
434.00	water 100%w	6.088
310.00	mcw 90%w 10%m	4.348
248.00	mcw 60%w 40%m	3.479

Total Length: 992.00 ft Total Volume: 13.915 bbf

Num Fluid Samples: 0

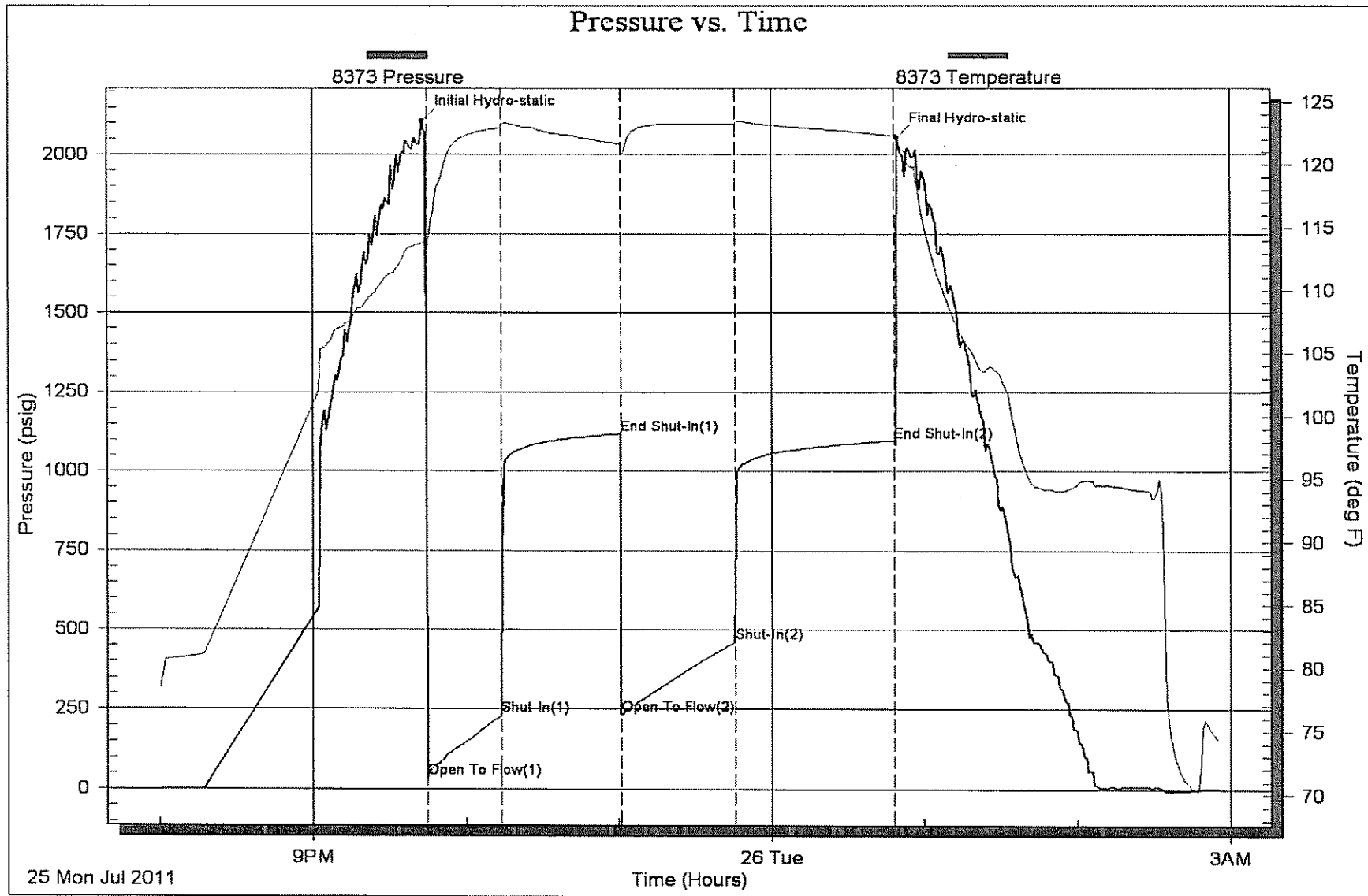
Num Gas Bombs: 0

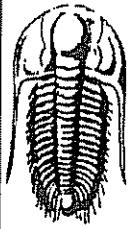
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .24@73=27000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

Wolf 1-20

301 S market st
Wichita, Ks 67202

20-18s-34w Scott, KS

Job Ticket: 042715

DST#: 4

ATTN: Wes Hansen

Test Start: 2011.07.27 @ 02:31:09

GENERAL INFORMATION:

Formation: **marmaton a&b**

Deviated: **No Whipstock** ft (KB)

Time Tool Opened: 04:08:49

Time Test Ended: 09:55:18

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley/ w ill**

Unit No: **35**

Interval: **4452.00 ft (KB) To 4523.00 ft (KB) (TVD)**

Total Depth: **4523.00 ft (KB) (TVD)**

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

Reference Elevations: **3152.00 ft (KB)**

3142.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: **8373**

Inside

Press@RunDepth: **384.81 psig @ 4453.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.07.27**

End Date:

2011.07.27

Last Calib.: **2011.07.27**

Start Time: **02:31:09**

End Time:

09:55:18

Time On Btrm: **2011.07.27 @ 04:06:19**

Time Off Btrm: **2011.07.27 @ 07:10:18**

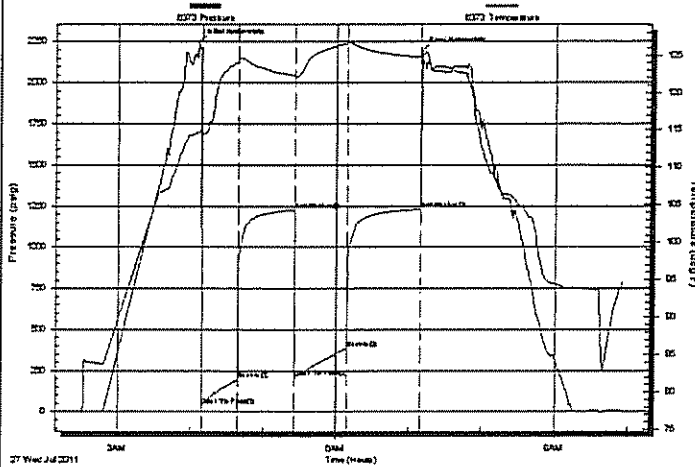
TEST COMMENT: **IF: BOB in 9 min.**

IS: No return.

FF: BOB in 13 min.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2247.98	114.68	Initial Hydro-static
3	35.52	114.16	Open To Flow (1)
33	197.25	124.20	Shut-In(1)
79	1226.66	122.36	End Shut-In(1)
79	208.39	121.74	Open To Flow (2)
123	384.81	126.53	Shut-In(2)
184	1227.65	124.78	End Shut-In(2)
184	2193.67	124.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	MCW 80%w 20%m	4.35
248.00	mcw 60%w 40%m	3.48
248.00	mud 100%m	3.48

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

Wolf 1-20

301 S market st
Wichita, Ks 67202

20-18s-34w Scott, KS

Job Ticket: 042715

DST#: 4

ATTN: Wes Hansen

Test Start: 2011.07.27 @ 02:31:09

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 9.58 in³
Resistivity: 0.00 ohm.m
Salinity: 8500.00 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: 26000 ppm

Recovery Information

Recovery Table

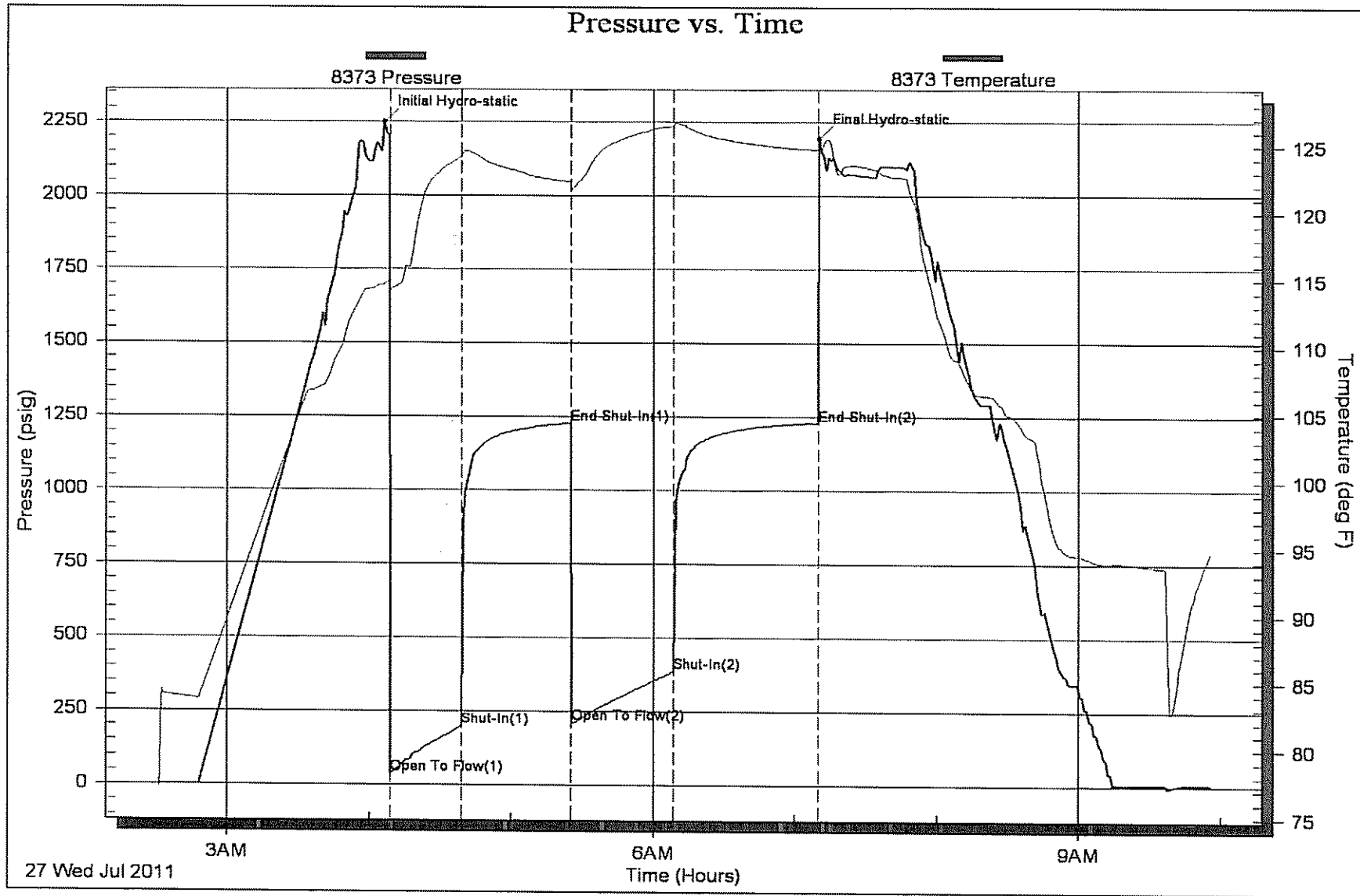
Length ft	Description	Volume bbl
310.00	MCW 80%w 20%m	4.348
248.00	mcw 60%w 40%m	3.479
248.00	mud 100%m	3.479

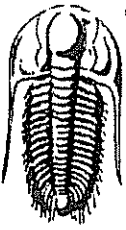
Total Length: 806.00 ft Total Volume: 11,306 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .20@91=26000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

Wolf 1-20

301 S market st
Wichita, Ks 67202

20-18s-34w Scott, KS

Job Ticket: 042716

DST#: 5

ATTN: Wes Hansen

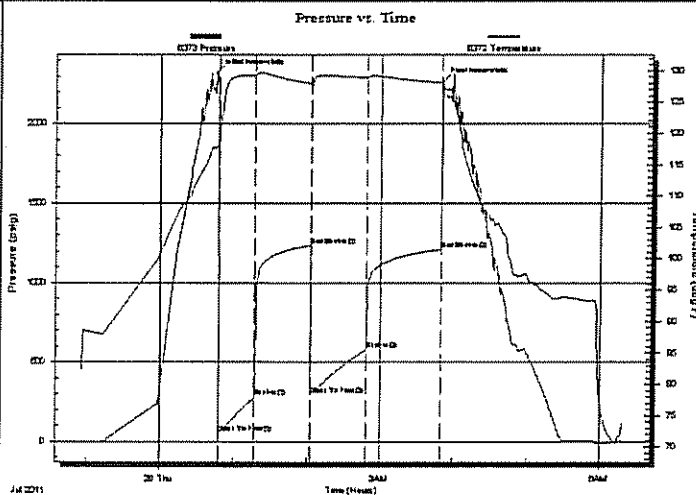
Test Start: 2011.07.27 @ 22:56:27

GENERAL INFORMATION:

Formation: **Pawnee/Ft Scott**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 00:48:22
 Time Test Ended: 06:19:21
 Interval: **4558.00 ft (KB) To 4610.00 ft (KB) (TVD)**
 Total Depth: **4610.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Brandon Turley**
 Unit No: **35**
 Reference Elevations: **3152.00 ft (KB)**
3142.00 ft (CF)
 KB to GR/CF: **10.00 ft**

Serial #: 8373 **Inside**
 Press@RunDepth: **578.75 psig @ 4559.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.07.27** End Date: **2011.07.28** Last Calib.: **2011.07.28**
 Start Time: **22:56:27** End Time: **06:19:21** Time On Btm: **2011.07.28 @ 00:46:07**
 Time Off Btm: **2011.07.28 @ 03:50:36**

TEST COMMENT: IF-BOB in 5min
 IS-No return
 FF-BOB in 4min
 FS-No return



PRESSURE SUMMARY

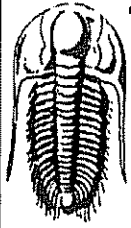
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2320.42	117.91	Initial Hydro-static
3	50.97	117.26	Open To Flow (1)
32	282.22	129.19	Shut-In(1)
77	1235.15	127.94	End Shut-In(1)
78	297.21	127.22	Open To Flow (2)
123	578.75	128.89	Shut-In(2)
184	1208.79	128.04	End Shut-In(2)
185	2267.96	128.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
620.00	water 100%w	8.70
310.00	mcw 95%w 5%m	4.35
186.00	w cm 20%w 80%m	2.61
139.00	mw 50%w 50%m	1.95

Gas Rates

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



**TRIOLOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

Wolf 1-20

301 S market st
Wichita, Ks 67202

20-18s-34w Scott, KS

Job Ticket: 042716

DST#: 5

ATTN: Wes Hansen

Test Start: 2011.07.27 @ 22:56:27

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:

32000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
620.00	water 100%w	8.697
310.00	mcw 95%w 5%m	4.348
186.00	w cm 20%w 80%m	2.609
139.00	mw 50%w 50%m	1.950

Total Length: 1255.00 ft Total Volume: 17.604 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .22@71=32000

