

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 # 266359

Invoice Date: 03/10/2014 Terms: 15/15/30,n/30 Page 1

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

~~RIPPELOE-3-36~~
38161
35-14S-32W
03-04-2014
KS

Rippelo 3-36
drilling AFE 14-007
3-12-14 LR

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	160.00	18.5500	2968.00
1102	CALCIUM CHLORIDE (50#)	450.00	.9700	436.50
1118B	PREMIUM GEL / BENTONITE	300.00	.2700	81.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-522.83
9995-130	CEMENT EQUIPMENT DISCOUNT	-244.88

Description	Hours	Unit Price	Total
405 CEMENT PUMP (SURFACE) ✓	1.00	1150.00	1150.00
405 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.25	52.50
566 MIN. BULK DELIVERY	1.00	430.00	430.00

BCF

xc
MAR 14 2014
xc

Amount Due 5384.64 if paid after 04/09/2014

Parts:	3485.50	Freight:	.00	Tax:	226.64	AR	4576.93
Labor:	.00	Misc:	.00	Total:	4576.93		
Sublt:	-767.71	Supplies:	.00	Change:	.00		

Signed _____

Date _____



CONSOLIDATED
Oil & Gas Services, LLC

266359

TICKET NUMBER 38161
LOCATION Oakley, KS
FOREMAN Jerry Y

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
3-4-14	4793	Rippeloe 3:36	35	145	32W	Logan
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Mailing Address			405	Travis W		
CITY			assist	Jordan L		
STATE			566	Lance R		
ZIP CODE			assist	Dale R		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 243 CASING SIZE & WEIGHT 8 5/8 24 1/2
 CASING DEPTH 246 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT In CASING 20'
 DISPLACEMENT 13 3/4 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & rig up on Martin 21 track circulation w/ rig tree hookup to pump truck & mix 160 sks Com class A cement with 3% calcium chloride & 2% gel. Wash up & displace with 13 3/4 bbl fresh water & shut in. Found cement in collar

Cement came to surface

Thank you

Jerry & crew

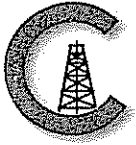
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	150.00	150.00
5406	10	MILEAGE	52.50	525.00
5407	7.52	ton mileage delivery (min)	430.00	430.00
11095	160 sks	com class A cement	18.55	2968.00
1102	450 #	calcium chloride	97	436.50
1186	300 #	benonite gel	27	81.00
			Subtotal	5118.00
			less 15% disc.	767.71
			Subtotal	4350.29
			SALES TAX	220.64
			ESTIMATED TOTAL	4570.93

completed

RevIn 3737

AUTHORIZATION Juan Torres 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.



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
FINV
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 # 266609

Invoice Date: 03/19/2014 Terms: 15/15/30,n/30

Page 1

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

RIPPTOE 3-36
47560
36-14S-32W drilling AFE 14-007
03-14-2014 3-21-14 LK
KS

Part Number	Description	Qty	Unit Price	Total
1126	OIL WELL CEMENT	140.00	23.7000	3318.00
1131	60/40 POZ MIX	360.00	15.8600	5709.60
1107	FLO-SEAL (25#)	90.00	2.9700	267.30
1110A	KOL SEAL (50# BAG)	700.00	.5600	392.00
1118B	PREMIUM GEL / BENTONITE	928.00	.2700	250.56
1144G	MUD FLUSH (SALE)	500.00	1.0000	500.00
4104	CEMENT BASKET 5 1/2"	1.00	290.0000	290.00
4130	CENTRALIZER 5 1/2"	9.00	61.0000	549.00
4159	FLOAT SHOE AFU 5 1/2"	1.00	433.7500	433.75
4454	5 1/2" LATCH DOWN PLUG	1.00	567.0000	567.00
4277A	DV TOOL-WEATHERFORD 5 1/2"	1.00	4900.0000	4900.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-2576.58
9995-130	CEMENT EQUIPMENT DISCOUNT	-548.63

Description	Hours	Unit Price	Total
456 SINGLE PUMP	1.00	3175.00	3175.00
456 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.25	52.50
460 TON MILEAGE DELIVERY	1.00	215.00	215.00
528 TON MILEAGE DELIVERY	1.00	215.00	215.00

[Handwritten signatures and stamps]
MAR 24 2014

Amount Due 22148.78 if paid after 04/18/2014

Parts:	17177.21	Freight:	.00	Tax:	1116.96	AR	18826.46
Labor:	.00	Misc:	.00	Total:	18826.46		
Sublt:	-3125.21	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

266609

TICKET NUMBER 47560
LOCATION Oakley ks
FOREMAN Dave Retzloff

PO Box 884, Chanute, KS 66720
520-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-14-14	4793	Rippetoe 3-36	36	142	32W	Logan KS

CUSTOMER	MAILING ADDRESS	CITY	STATE	ZIP CODE
LAND				

TRUCK #	DRIVER	TRUCK #	DRIVER
456	Trevis		
460	Jake		
528	Mike		
Supervisor	Fuzzy		

JOB TYPE 2 stage HOLE SIZE 7 7/8 HOLE DEPTH 9560 CASING SIZE & WEIGHT 5 1/2 14 1BS
 CASING DEPTH 4554 DRILL PIPE d.5 TUBING _____ OTHER DV # 5559176A-06
 SLURRY WEIGHT 14.2/12.5 SLURRY VOL 1.56/1.74 WATER gal/sk 6.97/9.28 CEMENT LEFT in CASING 41.97
 DISPLACEMENT 110/54 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

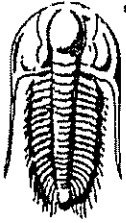
REMARKS: Safety meeting on morning 21. Rig up run float equip. cots on 1, 4, 7, 10, 13, 16, A, 53, 56 Basket on 55. DV Tool on 55. Circulate 90 mins. 5 BBL ahead mix mud flush 5 behind. mix 140 SKS over 5th Col Seal shut down wash pump + lines. Dis place 109 Total bbls 50 water 59 mud. landed at 13000 final bit 750. Plug held. Circulate 3 hrs. Plug cathole 25 SKS and mousehole 25 SKS. mix 210 SKS 60/40 per 8% gel 1/4 Flo Seal. shut down. wash pump + lines Displace 59 BBLs. landed at 15000 final bit 600. Plug held.

Thanks Dave, Fuzzy + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3175.00	3175.00 ✓
5406	10	MILEAGE	52.50	52.50 ✓
5407A	221.06	Ten Mileage Delivery (mix)	1.75	430.00 ✓
1126	140 SKS	DWC Cement	23.70	3318.00 ✓
1131	360 SKS	60/40 Poz Cement	15.86	5709.60 ✓
1107	90	Flo Seal	2.97	267.30 ✓
1110A	700	Col Seal	.54	392.00 ✓
1118B	928	Bentonite	.27	250.56 ✓
1117G	500 gal	mud flush	1.00	500.00 ✓
4104	1	5 1/2 Basket	290.00	290.00 ✓
4130	4	centralizers 5 1/2	61.00	244.00 ✓
4159	1	5 1/2 4Fu Float shoe	433.75	433.75 ✓
4454	1	5 1/2 latch down Assembly	567.00	567.00 ✓
4272a	1	DV Tool	4900.00	4900.00 ✓
			20834.71	
			1032 19 1/2	3125.21 ✓
			7.65	17709.50 ✓
			SALES TAX	1116.96 ✓
			ESTIMATED TOTAL	18826.46 ✓

AUTHORIZATION Dave Retzloff TITLE _____ DATE 3/15/14

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



**TRIBOLITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

36 14s 32w Logan, Ks

301 S. Market St.
Wichita, KS 67202

Rippetoe 3-36

Job Ticket: 56383

DST#: 1

ATTN: Tim Louer

Test Start: 2014.03.08 @ 23:25:00

GENERAL INFORMATION:

Formation: LKC - B

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:16:45

Time Test Ended: 05:57:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

Interval: 3766.00 ft (KB) To 3800.00 ft (KB) (TVD)

Total Depth: 3800.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2731.00 ft (KB)

2720.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8522 Outside

Press@RunDepth: 59.98 psig @ 3767.00 ft (KB)

Start Date: 2014.03.08

End Date:

2014.03.09

Start Time: 23:25:05

End Time:

05:57:29

Capacity: 8000.00 psig

Last Calib.: 2014.03.09

Time On Btm: 2014.03.09 @ 01:16:30

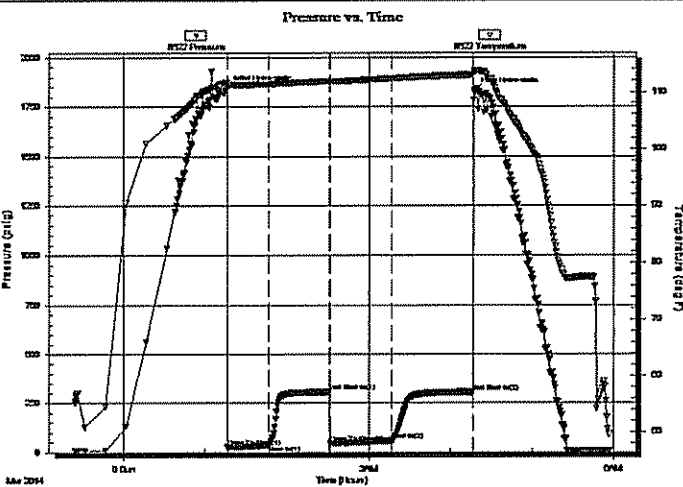
Time Off Btm: 2014.03.09 @ 04:17:30

TEST COMMENT: IF: 1 1/2" blow.

ISI: No return.

FF: 1" blow.

FSI: No return.



PRESSURE SUMMARY

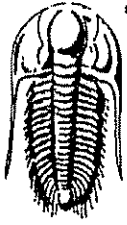
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1842.68	111.72	Initial Hydro-static
1	25.94	111.03	Open To Flow (1)
31	38.69	111.42	Shut-in(1)
75	308.13	111.92	End Shut-in(1)
76	44.49	111.86	Open To Flow (2)
121	59.98	112.39	Shut-in(2)
180	306.75	113.04	End Shut-in(2)
181	1827.88	113.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	ocm 15o 85m	0.37

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

301 S. Market St.
Wichita, KS 67202

ATTN: Tim Louer

36 14s 32w Logan, Ks

Rippetoe 3-36

Job Ticket: 56383

DST#: 1

Test Start: 2014.03.08 @ 23:25:00

GENERAL INFORMATION:

Formation: LKC - B

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:16:45

Time Test Ended: 05:57:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

Interval: 3766.00 ft (KB) To 3800.00 ft (KB) (TVD)

Total Depth: 3800.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2731.00 ft (KB)

2720.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8678 Inside

Press@RunDepth: psig @ 3767.00 ft (KB)

Start Date: 2014.03.08

End Date:

2014.03.09

Capacity: 8000.00 psig

Last Calib.:

2014.03.09

Start Time: 23:25:05

End Time:

05:56:29

Time On Btm:

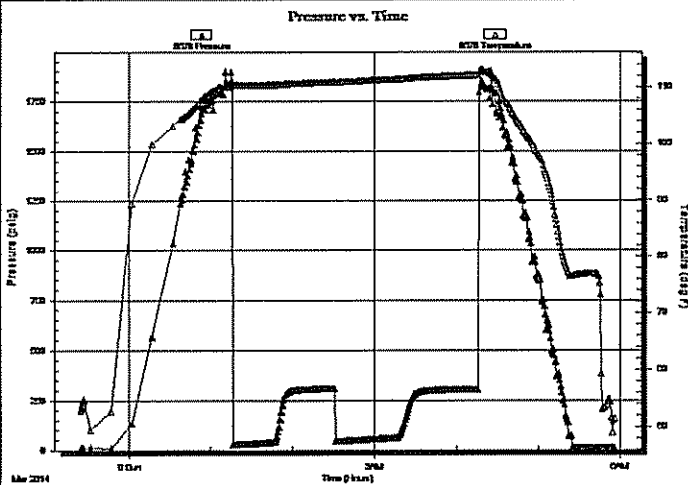
Time Off Btm:

TEST COMMENT: IF: 1 1/2" blow.

IS: No return.

FF: 1" blow.

FS: No return.



PRESSURE SUMMARY

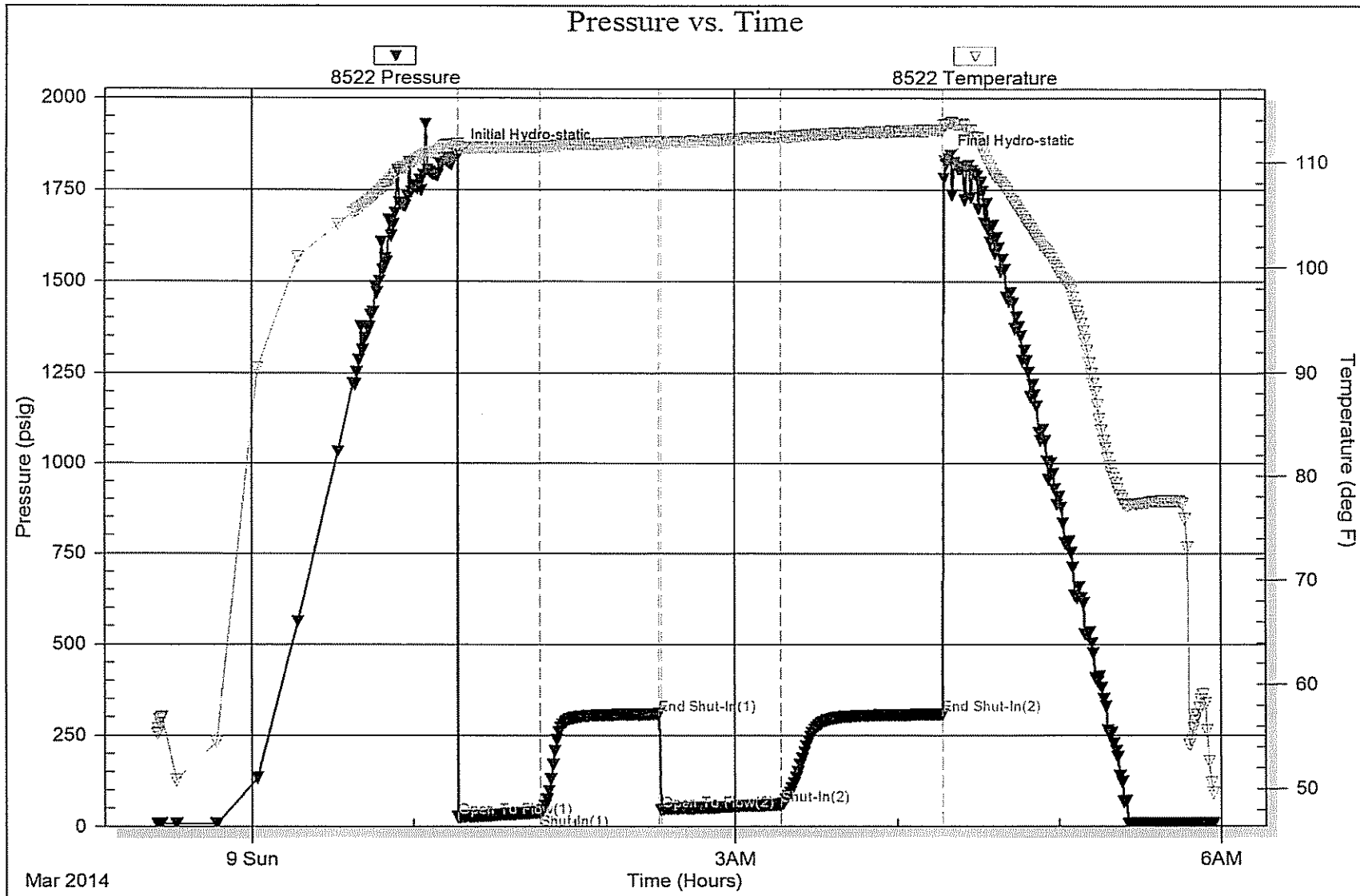
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

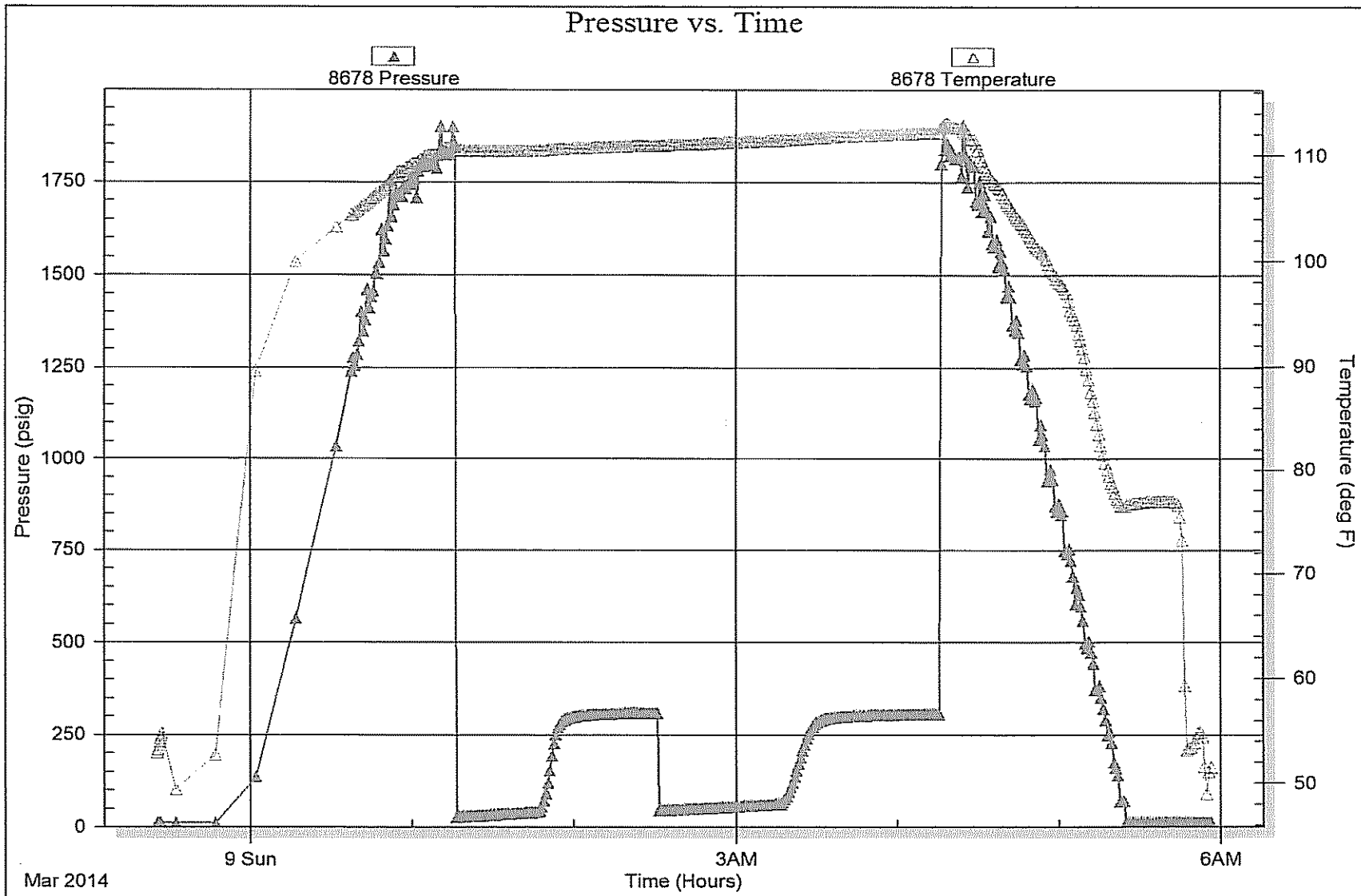
Recovery

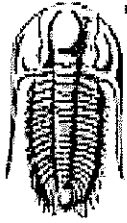
Length (ft)	Description	Volume (bbt)
75.00	ocm 15o 85m	0.37

Gas Rates

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







**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

36 14s 32w Logan, Ks

301 S. Market St.
Wichita, KS 67202

Rippetoe 3-36

Job Ticket: 56384

DST#: 2

ATTN: Tim Louer

Test Start: 2014.03.09 @ 16:36:00

GENERAL INFORMATION:

Formation: LKC - D

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:38:00

Time Test Ended: 23:04:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 3820.00 ft (KB) To 3850.00 ft (KB) (TVD)

Total Depth: 3850.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2731.00 ft (KB)

2720.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8522 Outside

Press@RunDepth: 47.35 psig @ 3821.00 ft (KB)

Start Date: 2014.03.09

End Date:

2014.03.09

Start Time: 16:36:05

End Time:

23:04:29

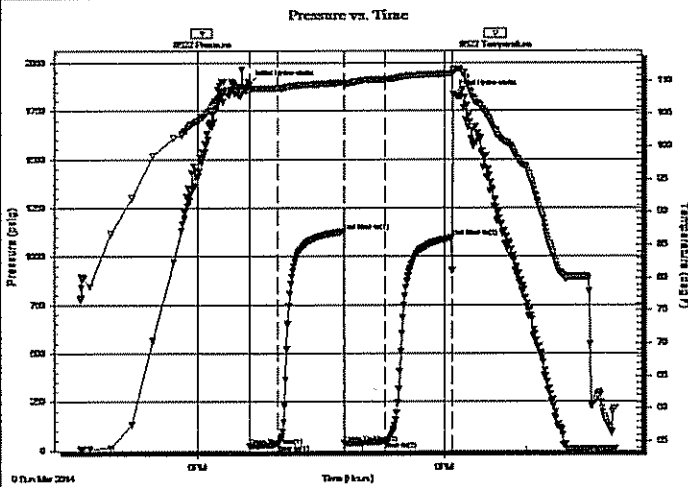
Capacity: 8000.00 psig

Last Calib.: 2014.03.09

Time On Btm: 2014.03.09 @ 18:37:45

Time Off Btm: 2014.03.09 @ 21:06:15

TEST COMMENT: IF: 1/2" blow.
IS: No return.
FF: Surface blow, Died @ 10 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1892.95	109.28	Initial Hydro-static
1	21.87	108.39	Open To Flow (1)
21	32.77	108.97	Shut-In(1)
69	1127.94	109.80	End Shut-In(1)
70	38.22	109.45	Open To Flow (2)
99	47.35	110.31	Shut-In(2)
148	1097.13	111.24	End Shut-In(2)
149	1840.47	111.70	Final Hydro-static

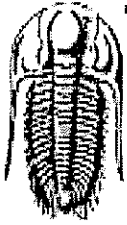
Recovery

Length (ft)	Description	Volume (bbl)
50.00	ocm 15o 85m	0.25
10.00	oil 100o	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.

36 14s 32w Logan, Ks

301 S. Market St.
Wichita, KS 67202

Rippetoe 3-36

Job Ticket: 56384

DST#: 2

ATTN: Tim Louer

Test Start: 2014.03.09 @ 16:36:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in²

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
50.00	ocm 15o 85m	0.246
10.00	oil 100o	0.049

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

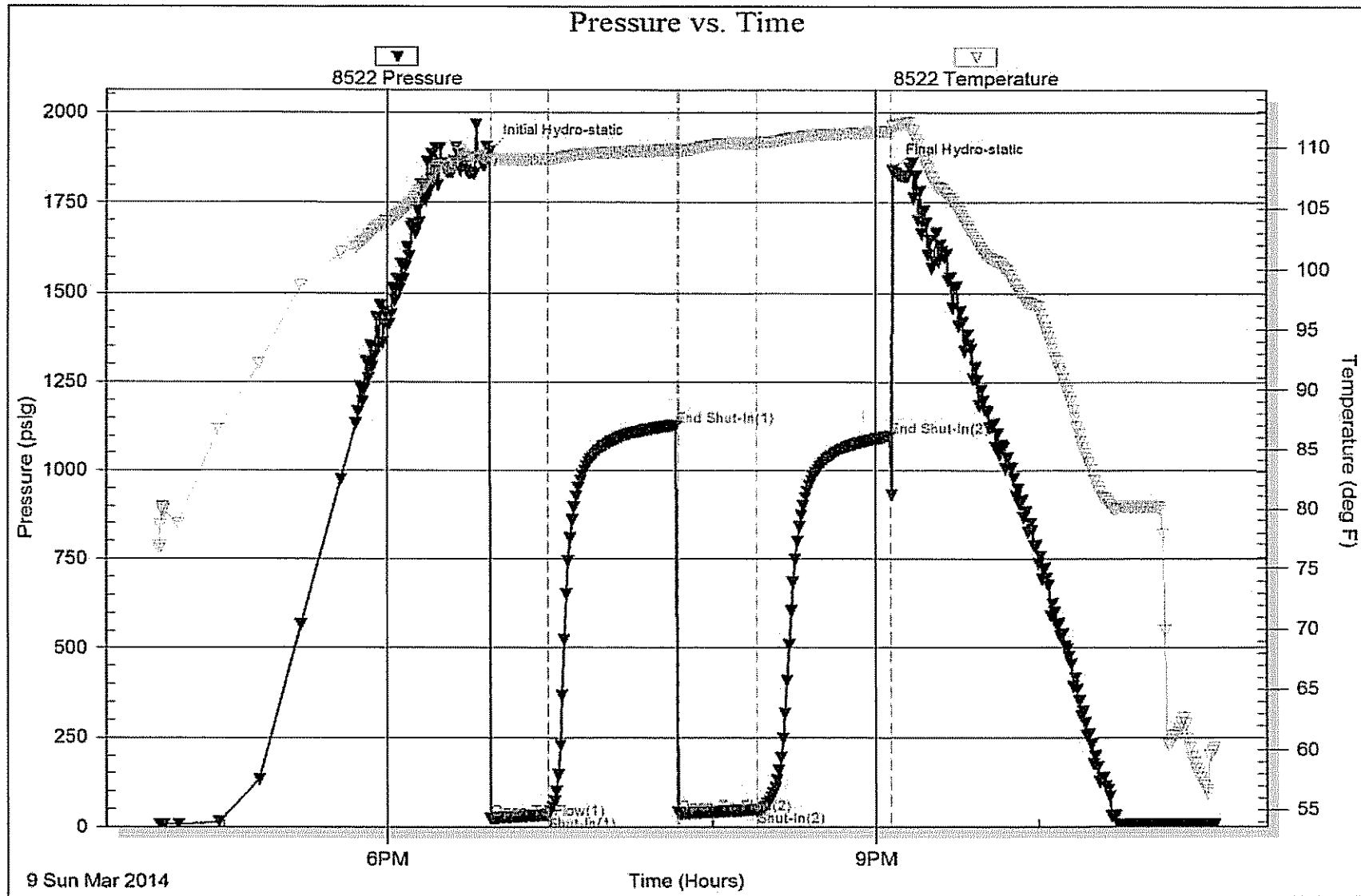
Num Gas Bombs: 0

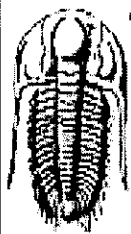
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

36 14s 32w Logan, Ks

301 S. Market St.
Wichita, KS 67202

Rippetoe 3-36

Job Ticket: 56385

DST#: 3

ATTN: Tim Louer

Test Start: 2014.03.10 @ 11:50:00

GENERAL INFORMATION:

Formation: LKC- I

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:44:30

Time Test Ended: 18:39:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 3940.00 ft (KB) To 3975.00 ft (KB) (TVD)

Reference Elevations: 2731.00 ft (KB)

Total Depth: 3975.00 ft (KB) (TVD)

2720.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8522

Outside

Press@RunDepth: 87.78 psig @ 3941.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.10

End Date: 2014.03.10

Last Calib.: 2014.03.10

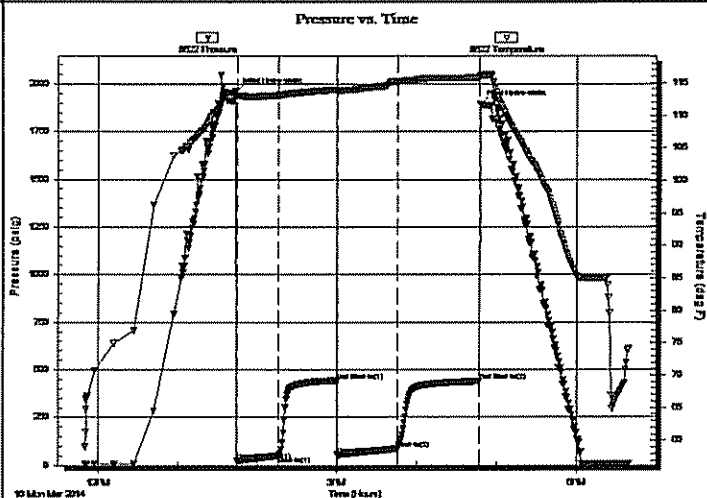
Start Time: 11:50:05

End Time: 18:39:29

Time On Btm: 2014.03.10 @ 13:44:00

Time Off Btm: 2014.03.10 @ 16:47:30

TEST COMMENT: IF: 1/2" blow.
IS: No return.
FF: Surface blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1960.56	113.54	Initial Hydro-static
1	22.70	112.96	Open To Flow (1)
33	51.69	113.10	Shut-In(1)
77	437.72	113.97	End Shut-In(1)
77	56.30	113.80	Open To Flow (2)
122	87.78	115.18	Shut-In(2)
183	438.60	115.79	End Shut-In(2)
184	1893.56	116.18	Final Hydro-static

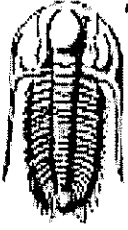
Recovery

Length (ft)	Description	Volume (bbl)
110.00	ocm 20o 80m	0.54
30.00	go 10g 90o	0.15

* 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: Tim Louer

36 14s 32w Logan, Ks
Rippetoe 3-36
Job Ticket: 56385 DST#: 3
Test Start: 2014.03.10 @ 11:50:00

Mud and Cushion Information

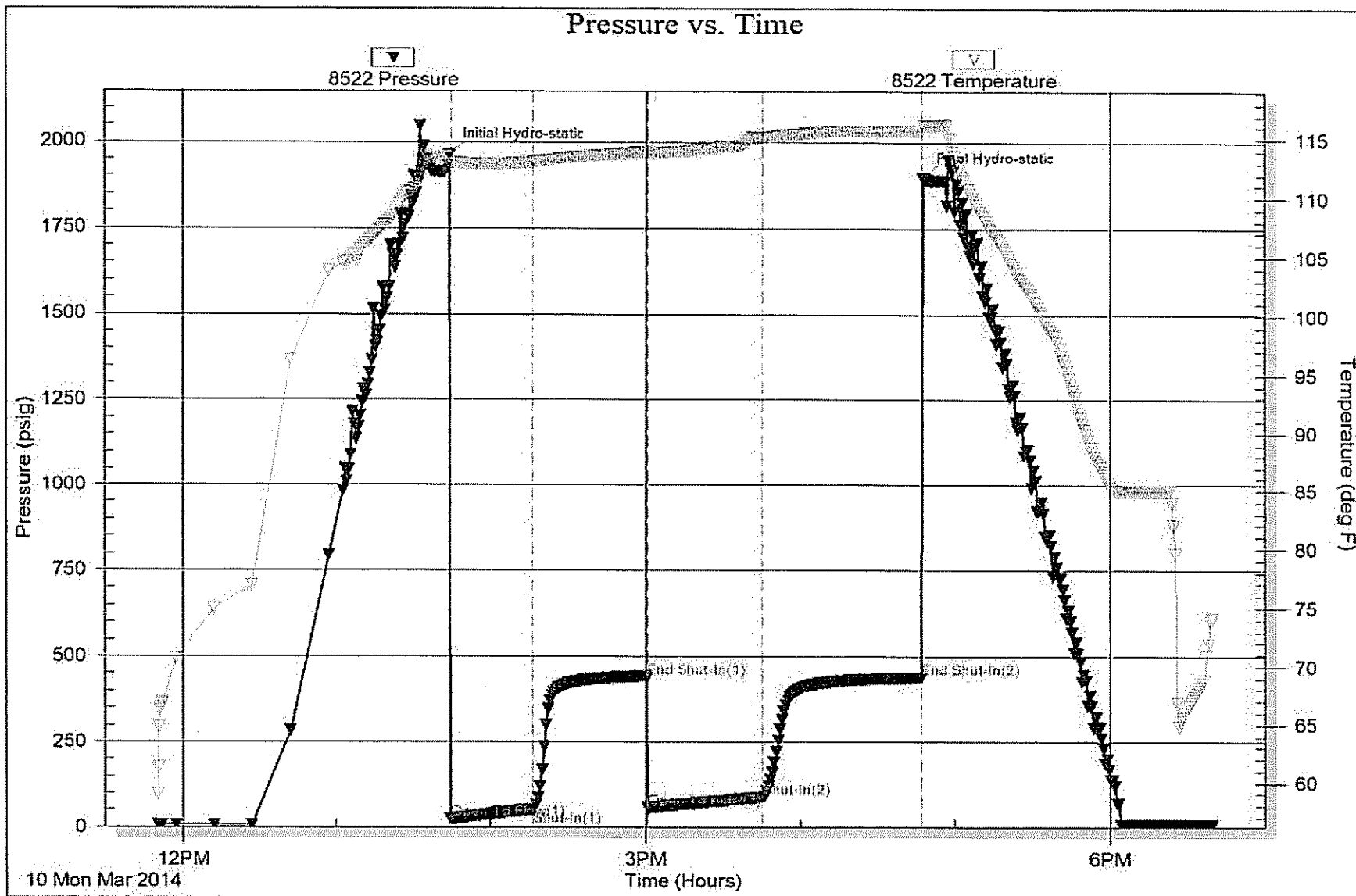
Mud Type: Gel Chem	Cushion Type:	Oil API:	39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: 1.00 inches			

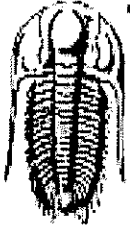
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	ocm 20o 80m	0.541
30.00	go 10g 90o	0.148

Total Length: 140.00 ft Total Volume: 0.689 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: Tim Louer

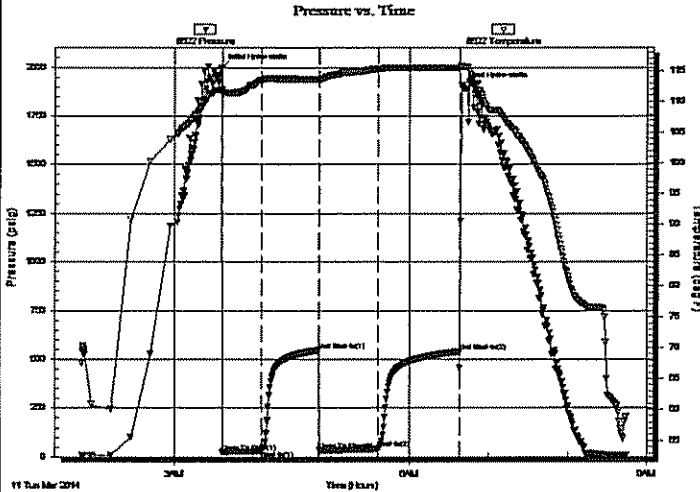
36 14s 32w Logan, Ks
Rippetoe 3-36
Job Ticket: 56386 DST#: 4
Test Start: 2014.03.11 @ 01:50:00

GENERAL INFORMATION:

Formation: LKC- J
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:36:30
Time Test Ended: 08:44:15
Interval: 3974.00 ft (KB) To 4013.00 ft (KB) (TVD)
Total Depth: 4013.00 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: 2731.00 ft (KB)
2720.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8522 Outside
Press@RunDepth: 42.59 psig @ 3975.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.03.11 End Date: 2014.03.11 Last Calib.: 2014.03.11
Start Time: 01:50:05 End Time: 08:44:14 Time On Btm: 2014.03.11 @ 03:36:15
Time Off Btm: 2014.03.11 @ 06:39:15

TEST COMMENT: IF: 1" blow,
IS: No return.
FF: No blow.
FSI: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1998.73	111.92	Initial Hydro-static
1	24.48	111.28	Open To Flow (1)
31	31.56	113.46	Shut-In(1)
75	547.05	113.60	End Shut-In(1)
75	33.62	113.46	Open To Flow (2)
120	42.59	115.28	Shut-In(2)
182	537.24	115.41	End Shut-In(2)
183	1905.00	115.66	Final Hydro-static

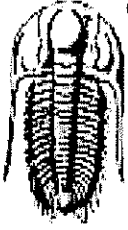
Recovery

Length (ft)	Description	Volume (bbl)
40.00	WOCM 5w 5o 90m	0.20

* 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.

36 14s 32w Logan, Ks

301 S. Market St.
Wichita, KS 67202

Rippetoe 3-36

Job Ticket: 56386

DST#: 4

ATTN: Tim Louer

Test Start: 2014.03.11 @ 01:50:00

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: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
40.00	WOCM 5w 5o 90m	0.197

Total Length: 40.00 ft

Total Volume: 0.197 bbf

Num Fluid Samples: 0

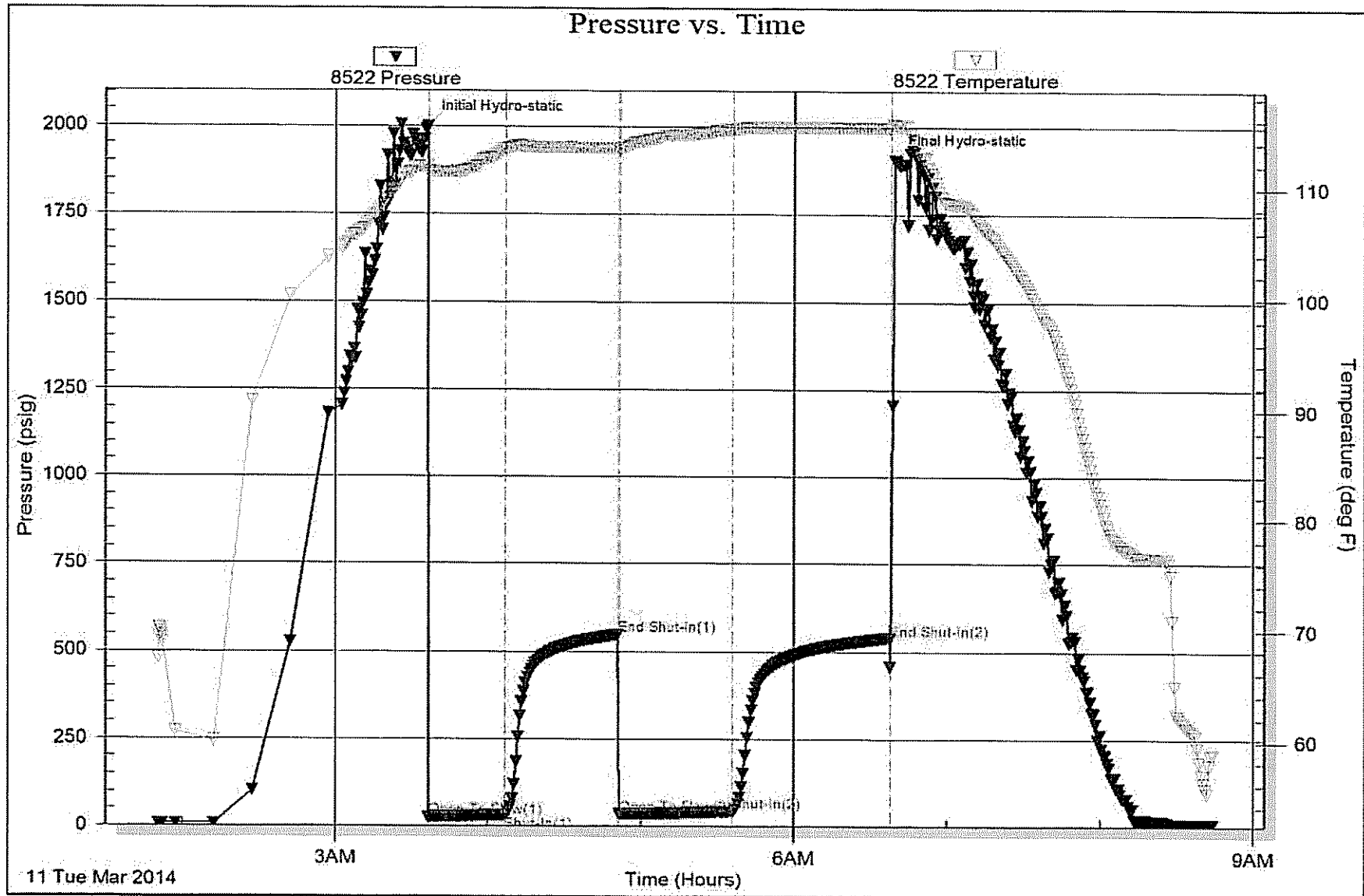
Num Gas Bombs: 0

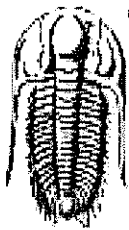
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
301 S. Market St.
Wichita, KS 67202
ATTN: Tim Lauer

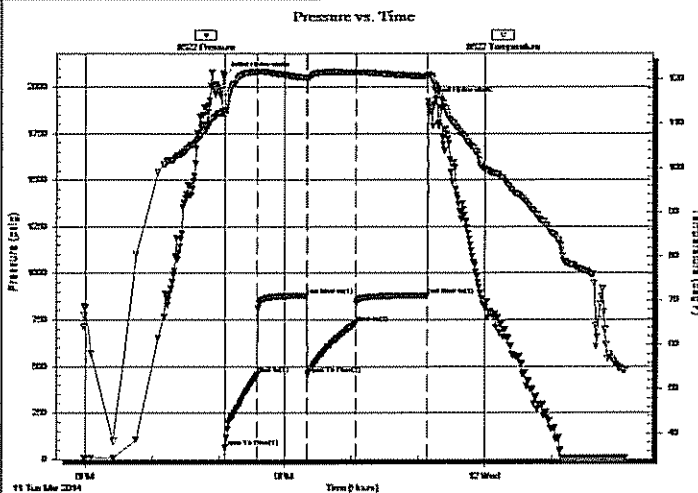
36 14s 32w Logan, Ks
Rippetoe 3-36
Job Ticket: 56388 DST#: 5
Test Start: 2014.03.11 @ 17:58:00

GENERAL INFORMATION:

Formation: LKC- L
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:05:45
Time Test Ended: 02:06:30
Interval: 4039.00 ft (KB) To 4073.00 ft (KB) (TVD)
Total Depth: 4073.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 2731.00 ft (KB)
2720.00 ft (CF)
KB to GR/CF: 11.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 69

Serial #: 8522 Outside
Press@RunDepth: 729.01 psig @ 4040.00 ft (KB)
Start Date: 2014.03.11 End Date: 2014.03.12
Start Time: 17:58:05 End Time: 02:06:29
Capacity: 8000.00 psig
Last Calib.: 2014.03.12
Time On Btm: 2014.03.11 @ 20:05:30
Time Off Btm: 2014.03.11 @ 23:09:00

TEST COMMENT: IF: BOB @ 3 min.
IS: Surface blow after 15 min.
FF: BOB @ 4 min.
FS: Surface return after 15 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2060.74	112.83	Initial Hydro-static
1	65.60	111.93	Open To Flow (1)
30	454.59	121.70	Shut-In(1)
74	879.76	120.43	End Shut-In(1)
75	458.47	120.20	Open To Flow (2)
119	729.01	121.56	Shut-In(2)
183	879.23	120.70	End Shut-In(2)
184	1924.55	121.05	Final Hydro-static

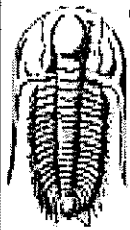
Recovery

Length (ft)	Description	Volume (bbl)
660.00	mcw 3m 97w	6.75
730.00	gw co 30g 40o 30w	10.24
150.00	go 20g 80o	2.10
0.00	150' GP	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.

36 14s 32w Logan, Ks

301 S. Market St.
Wichita, KS 67202

Rippetoe 3-36

Job Ticket: 56388

DST#: 5

ATTN: Tim Lauer

Test Start: 2014.03.11 @ 17:58:00

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:

90000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
660.00	mcw 3m 97w	6.753
730.00	gw co 30g 40o 30w	10.240
150.00	go 20g 80o	2.104
0.00	150' GIP	0.000

Total Length: 1540.00 ft Total Volume: 19.097 bbf

Num Fluid Samples: 0

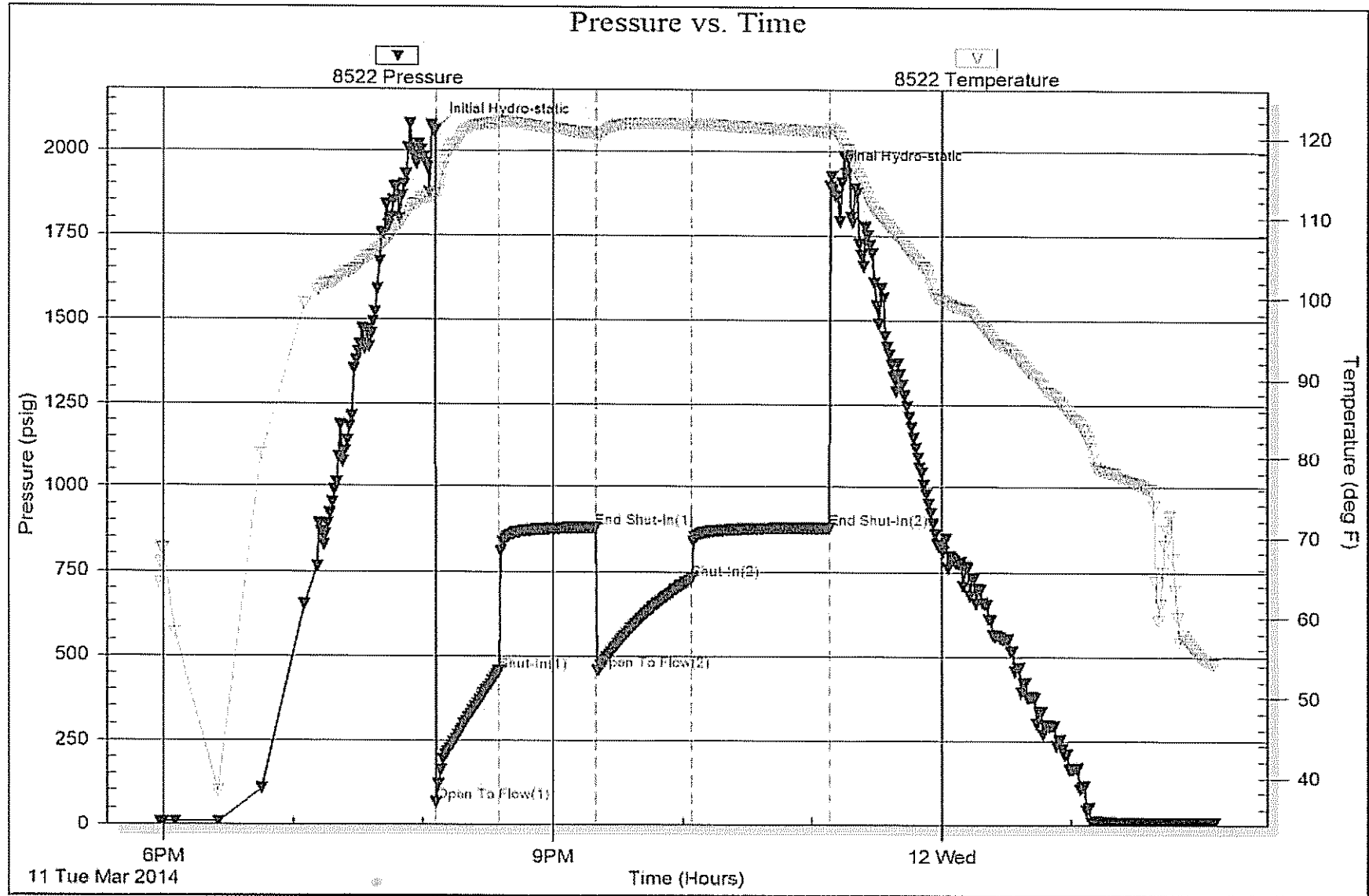
Num Gas Bombs: 0

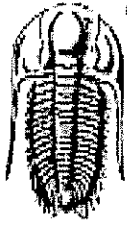
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .143 @ 43F = 90,000ppm





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
301 S. Market St.
Wichita, KS 67202
ATTN: Tim Lauer

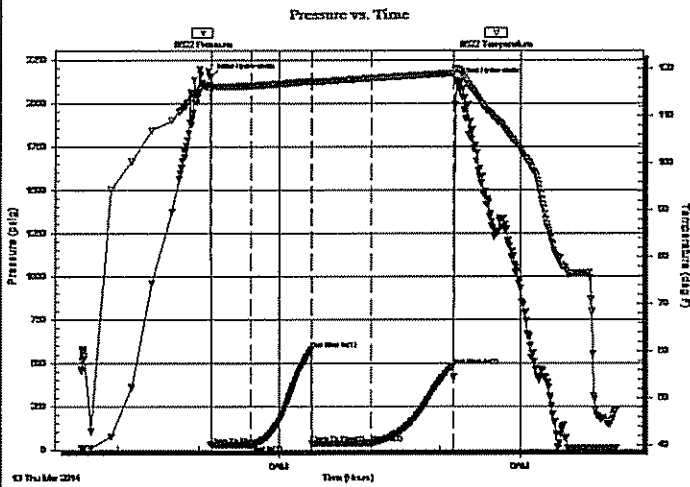
36 14s 32w Logan, Ks
Rippetoe 3-36
Job Ticket: 56389 DST#: 6
Test Start: 2014.03.13 @ 03:33:00

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:09:00
Time Test Ended: 10:11:00
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 69
Interval: 4280.00 ft (KB) To 4360.00 ft (KB) (TVD)
Reference Elevations: 2731.00 ft (KB)
Total Depth: 4360.00 ft (KB) (TVD) 2720.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8522 Outside
Press@RunDepth: 39.87 psig @ 4281.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.03.13 End Date: 2014.03.13 Last Calib.: 2014.03.13
Start Time: 03:33:05 End Time: 10:10:59 Time On Btm: 2014.03.13 @ 05:08:45
Time Off Btm: 2014.03.13 @ 08:12:00

TEST COMMENT: IF: 1" blow.
IS: No return.
FF: Surface blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2151.02	116.62	Initial Hydro-static
1	24.80	115.51	Open To Flow (1)
31	29.09	116.38	Shut-In(1)
76	577.45	117.34	End Shut-In(1)
76	36.54	117.20	Open To Flow (2)
121	39.87	117.97	Shut-In(2)
181	483.80	119.06	End Shut-In(2)
184	2121.13	119.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	gocm 5g 40o 55m	0.20
0.00	80' Gassy oder	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.

36 14s 32w Logan, Ks

301 S. Market St.
Wichita, KS 67202

Rippetoe 3-36

Job Ticket: 56389

DST#: 6

ATTN: Tim Lauer

Test Start: 2014.03.13 @ 03:33:00

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: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filler Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
40.00	gocm 5g 40o 55m	0.197
0.00	80' Gassy oder	0.000

Total Length: 40.00 ft

Total Volume: 0.197 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

