

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas Co**

301 S Market
Wichita KS 67202

ATTN: Vern Schrag/John Hast

15 28 6 Kingman KS

Clouse G#4-15

Start Date: 2007.06.25 @ 10:53:06

End Date: 2007.06.25 @ 20:22:36

Job Ticket #: 27953 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co

301 S Market
Wichita KS 67202

ATTN: Vern Schrag/John Hast KS 67202

Clouse G#4-15

15 28 6 Kingman KS

Job Ticket: 27953

DST#: 1

Test Start: 2007.06.25 @ 10:53:06

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:00:06

Time Test Ended: 20:22:36

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: 3871.00 ft (KB) To 3890.00 ft (KB) (TVD)

Total Depth: 3890.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1491.00 ft (KB)

1483.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8167

Inside

Press@RunDepth: 122.38 psig @ 3872.00 ft (KB)

Start Date: 2007.06.25

End Date: 2007.06.25

Capacity: 7000.00 psig

Last Calib.: 2007.06.25

Start Time: 10:53:11

End Time: 20:22:36

Time On Btm: 2007.06.25 @ 13:59:06

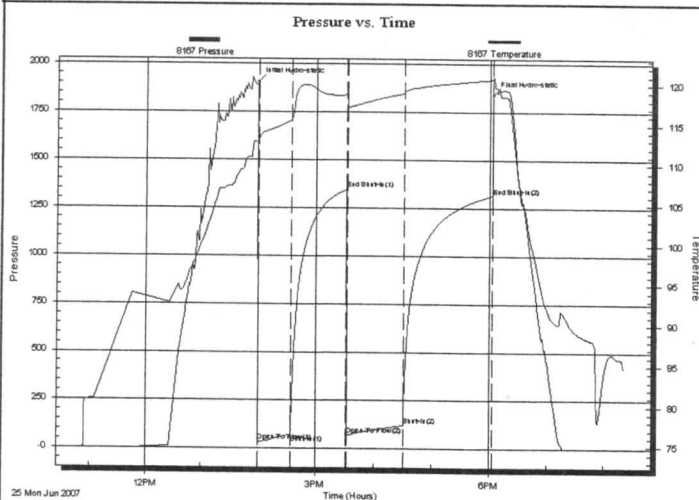
Time Off Btm: 2007.06.25 @ 18:03:20

TEST COMMENT: IF Strong blow BOB in 1 - 2 secs. GTS in 9 mins. (see gas flow report)

ISI No blow

FF Strong blow (see gas flow report)

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1902.50	112.76	Initial Hydro-static
1	38.88	113.09	Open To Flow (1)
35	74.02	115.58	Shut-In(1)
93	1346.91	118.77	End Shut-In(1)
94	73.80	117.22	Open To Flow (2)
152	122.38	118.93	Shut-In(2)
244	1315.05	120.68	End Shut-In(2)
245	1837.74	120.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
175.00	MW 11%M 89%W Rw .07 OHMS@ 78 de2.18	
35.00	GCM 15%G 85%M	0.49

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	6.00	32.36
Last Gas Rate	0.25	16.00	48.23
Max. Gas Rate	0.25	18.00	51.40



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Co

Clouse G#4-15

301 S Market
Wichita KS 67202

15 28 6 Kingman KS

Job Ticket: 27953

DST#: 1

ATTN: Vern Schrag/John Hast KS 67202

Test Start: 2007.06.25 @ 10:53:06

Tool Information

Drill Pipe:	Length: 3828.00 ft	Diameter: 3.80 inches	Volume: 53.70 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	23000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	53.85 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3871.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	19.00 ft				
Tool Length:	47.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3844.00	
Shut In Tool	5.00			3849.00	
Hydraulic tool	5.00			3854.00	
Jars	5.00			3859.00	
Safety Joint	3.00			3862.00	
Packer	4.00			3866.00	28.00 Bottom Of Top Packer
Packer	5.00			3871.00	
Stubb	1.00			3872.00	
Recorder	0.00	8167	Inside	3872.00	
Perforations	13.00			3885.00	
Recorder	0.00	11019	Outside	3885.00	
Bullnose	5.00			3890.00	19.00 Bottom Packers & Anchor

Total Tool Length: 47.00



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FLUID SUMMARY

Lario Oil & Gas Co

Clouse G#4-15

301 S Market
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15 28 6 Kingman KS

Job Ticket: 27953

DST#: 1

ATTN: Vern Schrag/John Hast KS 67202

Test Start: 2007.06.25 @ 10:53:06

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 10.39 in³

Resistivity: 0.00 ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity:

5000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
175.00	MW 11%M 89%W Rw .07 OHMS@ 78 deg	2.182
35.00	GCM 15%G 85%M	0.491

Total Length: 210.00 ft

Total Volume: 2.673 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



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DRILL STEM TEST REPORT

GAS RATES

Lario Oil & Gas Co

Clouse G#4-15

301 S Market
Wichita KS 67202

15 28 6 Kingman KS

Job Ticket: 27953

DST#: 1

ATTN: Vern Schrag/John Hast KS 67202

Test Start: 2007.06.25 @ 10:53:06

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
1	10	0.25	6.00	32.36
1	10	0.25	6.00	32.36
1	20	0.25	11.00	40.30
1	30	0.25	15.00	46.64
2	10	0.25	16.00	48.23
2	20	0.25	18.00	51.40
2	30	0.25	17.00	49.81
2	40	0.25	17.00	49.81
2	50	0.25	16.00	48.23

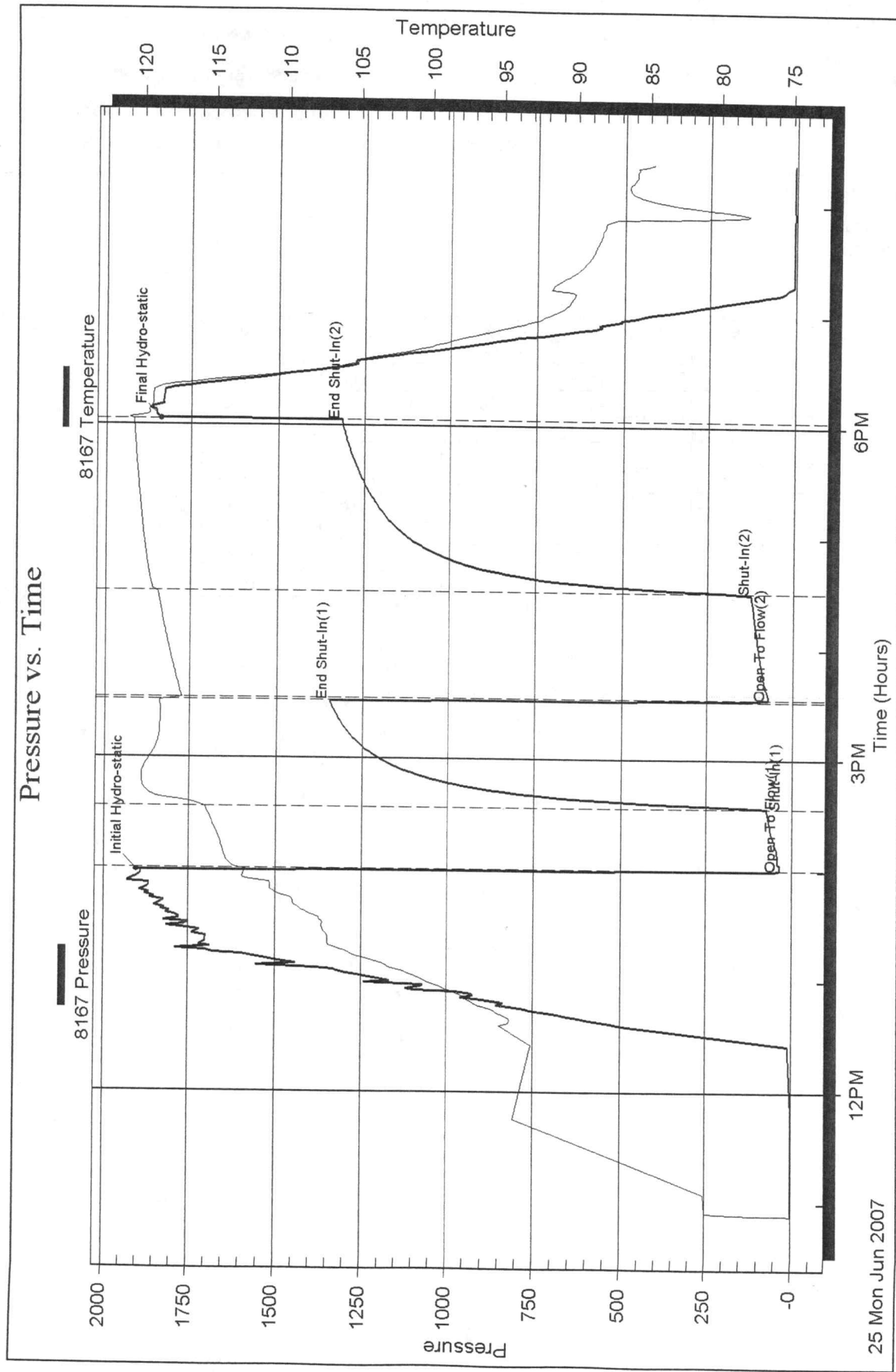
Serial #: 8167

Inside

Lario Oil & Gas Co

15 28 6 Kingman KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas Co**

301 S Market
Wichita KS 67202

ATTN: Vern Schrag/John Hast

15 28 6 Kingman KS

Clouse G #4-15

Start Date: 2007.06.26 @ 08:10:25

End Date: 2007.06.26 @ 16:25:10

Job Ticket #: 27954 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



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DRILL STEM TEST REPORT

Lario Oil & Gas Co

301 S Market
Wichita KS 67202

ATTN: Vern Schrag/John Hast KS 67202

Clouse G #4-15

15 28 6 Kingman KS

Job Ticket: 27954

DST#: 2

Test Start: 2007.06.26 @ 08:10:25

GENERAL INFORMATION:

Formation: **Miss. Dol.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:10:40

Time Test Ended: 16:25:10

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **3891.00 ft (KB) To 3919.00 ft (KB) (TVD)**

Total Depth: 3919.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1491.00 ft (KB)

1483.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8167

Inside

Press@RunDepth: 50.92 psig @ 3892.00 ft (KB)

Start Date: 2007.06.26

End Date:

2007.06.26

Capacity: 7000.00 psig

Last Calib.: 2007.06.26

Start Time: 08:10:30

End Time:

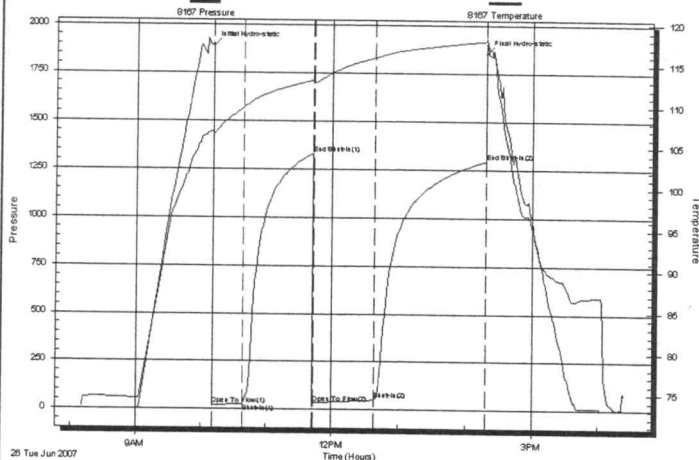
16:25:09

Time On Btm: 2007.06.26 @ 10:10:25

Time Off Btm: 2007.06.26 @ 14:17:54

TEST COMMENT: IF Weak to fair blow Slow increase to 6 "
ISI No blow
FF Weak blow Slow increase to 4 1/2 "
FSI No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1889.92	106.99	Initial Hydro-static
1	24.37	106.46	Open To Flow (1)
29	28.47	109.82	Shut-In (1)
92	1328.91	113.15	End Shut-In (1)
93	32.04	112.84	Open To Flow (2)
149	50.92	115.91	Shut-In (2)
248	1290.98	117.99	End Shut-In (2)
248	1852.22	118.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MW w/O specs 34%M 66%W Rw .19 @ 0.42 70deg	
40.00	OCM 15%O 85%M	0.56
0.00	50 ft. of GIP	0.00

Gas Rates

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

Lario Oil & Gas Co

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Job Ticket: 27954

DST#: 2

ATTN: Vern Schrag/John Hast KS 67202

Test Start: 2007.06.26 @ 08:10:25

Tool Information

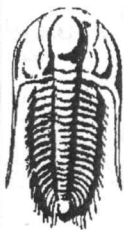
Drill Pipe:	Length: 3888.00 ft	Diameter: 3.80 inches	Volume: 54.54 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	23000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	62000.00 lb
			Total Volume: 54.54 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3891.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3864.00	
Shut In Tool	5.00			3869.00	
Hydraulic tool	5.00			3874.00	
Jars	5.00			3879.00	
Safety Joint	3.00			3882.00	
Packer	4.00			3886.00	28.00 Bottom Of Top Packer
Packer	5.00			3891.00	
Stubb	1.00			3892.00	
Recorder	0.00	8167	Inside	3892.00	
Perforations	22.00			3914.00	
Recorder	0.00	11019	Outside	3914.00	
Bullnose	5.00			3919.00	28.00 Bottom Packers & Anchor

Total Tool Length: 56.00



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Job Ticket: 27954

DST#: 2

ATTN: Vern Schrag/John Hast KS 67202

Test Start: 2007.06.26 @ 08:10:25

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:

39000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	MW w/O specs 34%M 66%W Rw .19 OHMS	0.421
40.00	OCM 15%O 85%M	0.561
0.00	50 ft.of GIP	0.000

Total Length: 70.00 ft

Total Volume: 0.982 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8167

Inside

Lario Oil & Gas Co

15 28 6 Kingman KS

DST Test Number: 2

