



DRILL STEM TEST REPORT

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

301 S Market
Wichita KS 67202

ATTN: Steve Davis

15 28S 5W Kingman KS

Lindholm #1-15

Start Date: 2007.11.25 @ 19:02:44

End Date: 2007.11.26 @ 03:28:34

Job Ticket #: 29861 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: Steve Davis

Lindholm #1-15

15 28S 5W Kingman KS

Job Ticket: 29861

DST#: 1

Test Start: 2007.11.25 @ 19:02:44

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:36:04

Time Test Ended: 03:28:34

Interval: **3816.00 ft (KB) To 3835.00 ft (KB) (TVD)**

Total Depth: 3835.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 24

Reference Elevations: 1393.00 ft (KB)

1385.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8166

Inside

Press@RunDepth: 21.20 psig @ 3817.00 ft (KB)

Start Date: 2007.11.25

End Date:

2007.11.26

Start Time: 19:02:49

End Time:

03:28:34

Capacity: 7000.00 psig

Last Calib.: 2007.11.26

Time On Btm: 2007.11.25 @ 21:25:54

Time Off Btm: 2007.11.26 @ 01:14:14

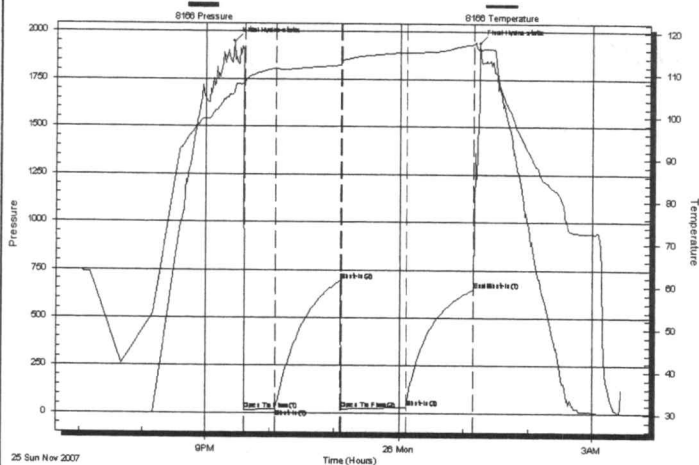
TEST COMMENT: IF Strong Blow BOB in 30 seconds

ISI Bled Off No Blow back

FF Strong Blow BOB Immediate

FSI Bled Off No Blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1946.84	105.68	Initial Hydro-static
11	15.22	107.99	Open To Flow (1)
40	21.20	111.63	Shut-In(1)
100	691.99	112.33	Shut-In(2)
101	20.50	113.11	Open To Flow (2)
160	29.68	115.45	Shut-In(3)
223	648.68	117.35	End Shut-In(1)
229	1940.06	115.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	GWcM 2%G 10%W 88%M	0.70

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Co

301 S Market
Wichita KS 67202

ATTN: Steve Davis

Lindholm #1-15

15 28S 5W Kingman KS

Job Ticket: 29861

DST#: 1

Test Start: 2007.11.25 @ 19:02:44

Tool Information

Drill Pipe:	Length: 3812.00 ft	Diameter: 3.80 inches	Volume: 53.47 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:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	100000.0 lb
			Total Volume: 53.47 bbl	Tool Chased	ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3816.00 ft			Final	51000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	19.00 ft				
Tool Length:	48.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Circulating sub	1.00			3788.00	
Change Over Sub	1.00			3789.00	
Shut In Tool	5.00			3794.00	
Hydraulic tool	5.00			3799.00	
Jars	5.00			3804.00	
Safety Joint	3.00			3807.00	
Packer	5.00			3812.00	29.00 Bottom Of Top Packer
Packer	4.00			3816.00	
Stubb	1.00			3817.00	
Recorder	0.00	8166	Inside	3817.00	
Recorder	0.00	8356	Outside	3817.00	
Perforations	15.00			3832.00	
Bullnose	3.00			3835.00	19.00 Bottom Packers & Anchor

Total Tool Length: 48.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Lindholm #1-15

301 S Market
Wichita KS 67202

15 28S 5W Kingman KS

Job Ticket: 29861

DST#: 1

ATTN: Steve Davis

Test Start: 2007.11.25 @ 19:02:44

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 14.37 in³

Resistivity: ohm.m

Salinity: 5200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	GWcM 2%G 10%W 88%M	0.701

Total Length: 50.00 ft

Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

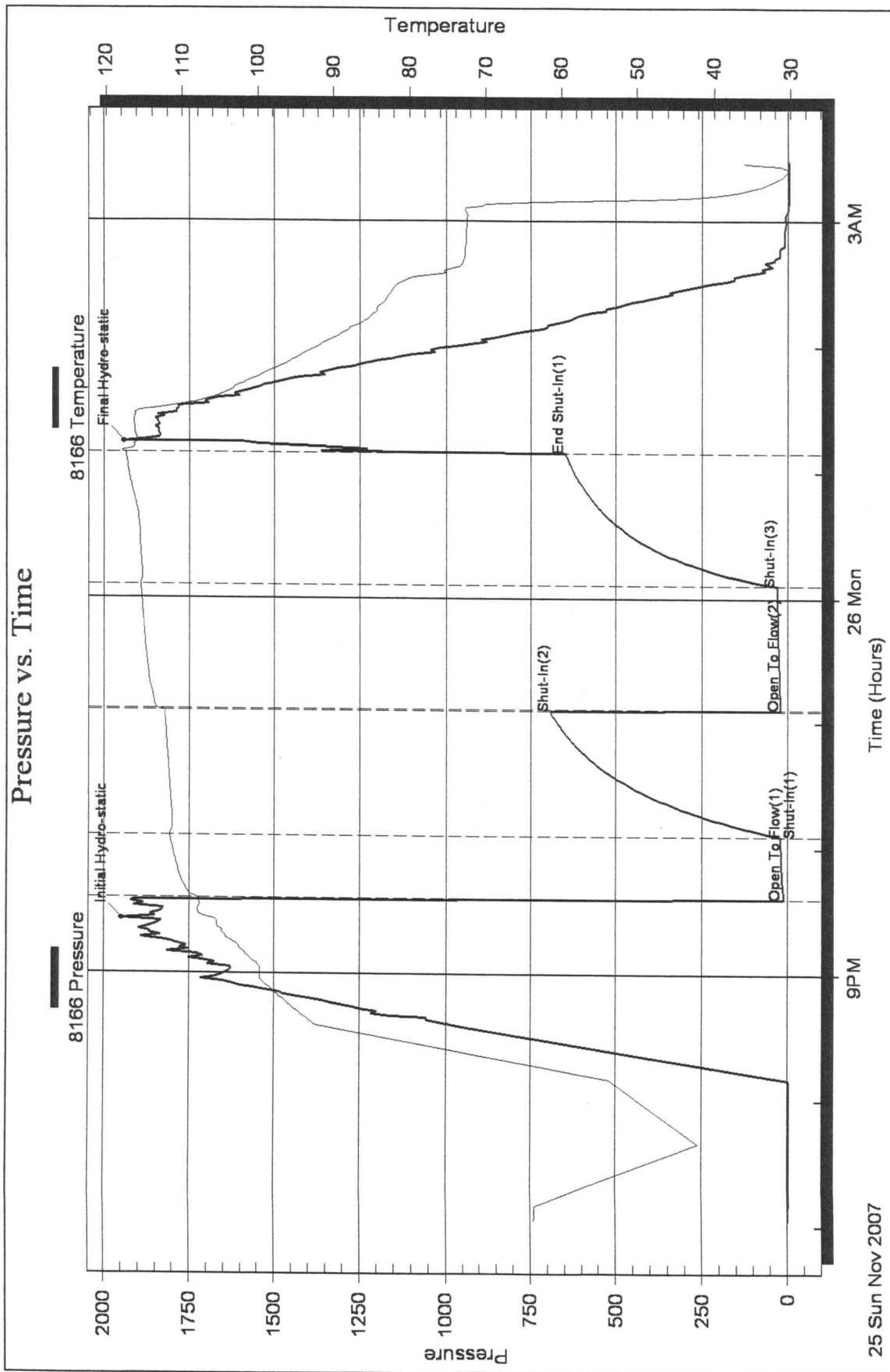
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

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

301 S Market
Wichita KS 67202

ATTN: Steve Davis

15 28S 5W Kingman KS

Lindholm #1-15

Start Date: 2007.11.26 @ 12:11:51

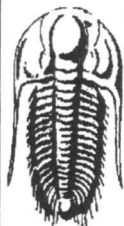
End Date: 2007.11.26 @ 20:41:00

Job Ticket #: 29862 DST #: 2

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ATTN: Steve Davis

Lindholm #1-15

15 28S 5W Kingman KS

Job Ticket: 29862

DST#: 2

Test Start: 2007.11.26 @ 12:11:51

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:21:51

Time Test Ended: 20:41:00

Interval: **3840.00 ft (KB) To 3859.00 ft (KB) (TVD)**

Total Depth: 3859.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 24

Reference Elevations: 1393.00 ft (KB)

1385.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8166

Inside

Press@RunDepth: 169.83 psig @ 3841.00 ft (KB)

Start Date: 2007.11.26

End Date: 2007.11.26

Start Time: 12:11:56

End Time: 20:41:01

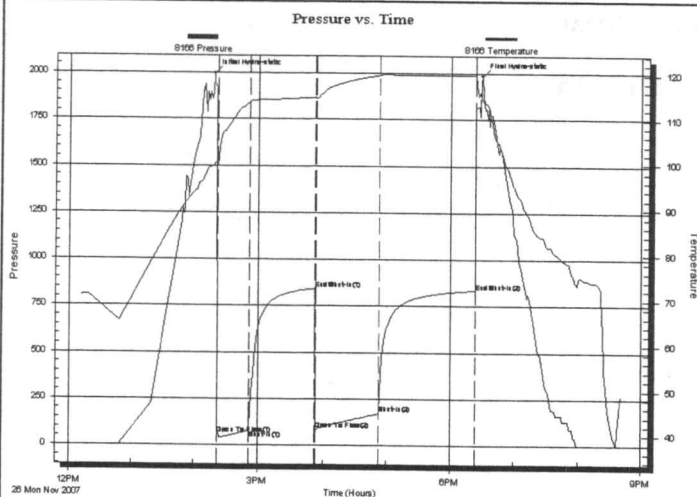
Capacity: 7000.00 psig

Last Calib.: 2007.11.26

Time On Btm: 2007.11.26 @ 14:18:11

Time Off Btm: 2007.11.26 @ 18:29:11

TEST COMMENT: IF Strong Blow BOB in 2 min
ISI Bled Off No Blow back
FF Strong Blow BOB in 1 min GTS 47 min Gas TSTM
FSI Bled Off Weak Surface Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1996.21	99.91	Initial Hydro-static
4	57.52	99.63	Open To Flow (1)
34	78.30	113.71	Shut-In(1)
94	839.78	114.92	End Shut-In(1)
95	81.43	114.62	Open To Flow (2)
154	169.83	119.85	Shut-In(2)
245	830.07	119.90	End Shut-In(2)
251	1985.86	114.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP 3470 Feet	0.00
120.00	Water	1.68
60.00	GSY MCW 2%G 5%M 93%W	0.84
192.00	GSY WOCM 2%G 5%O 5%W 88%M	2.69

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: 29862

DST#: 2

Test Start: 2007.11.26 @ 12:11:51

Tool Information

Drill Pipe:	Length: 3842.00 ft	Diameter: 3.80 inches	Volume: 53.89 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume:	53.89 bbl	Tool Chased ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3840.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Circulating sub	1.00			3812.00	
Change Over Sub	1.00			3813.00	
Shut In Tool	5.00			3818.00	
Hydraulic tool	5.00			3823.00	
Jars	5.00			3828.00	
Safety Joint	3.00			3831.00	
Packer	5.00			3836.00	29.00 Bottom Of Top Packer
Packer	4.00			3840.00	
Stubb	1.00			3841.00	
Recorder	0.00	8166	Inside	3841.00	
Recorder	0.00	8356	Outside	3841.00	
Perforations	15.00			3856.00	
Bullnose	3.00			3859.00	19.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



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Job Ticket: 29862

DST#: 2

ATTN: Steve Davis

Test Start: 2007.11.26 @ 12:11:51

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 85.00 sec/qt

Water Loss: 11.97 in³

Resistivity: ohm.m

Salinity: 6600.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity:

57000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GIP 3470 Feet	0.000
120.00	Water	1.683
60.00	GSY MCW 2%G 5%M 93%W	0.842
192.00	GSY WOCM 2%G 5%O 5%W 88%M	2.693

Total Length: 372.00 ft

Total Volume: 5.218 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

