

DRILL STEM TEST REPORT

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

301 S. Market
Wichita, Ks. 67202

ATTN: Jay G. Schweikert

33-15s-17w Ellis KS

Schlegel # 1-33

Start Date: 2003.11.22 @ 13:05:13

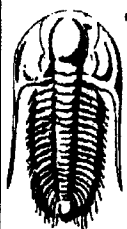
End Date: 2003.11.22 @ 19:05:19

Job Ticket #: 18485 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 Company

301 S. Market
Wichita, Ks. 67202

ATTN: Jay G. Schweikert

Schlegel # 1-33

33-15s-17w Ellis KS

Job Ticket: 18485

DST#: 1

Test Start: 2003.11.22 @ 13:05:13

GENERAL INFORMATION:

Formation: **L.Kc.-D&E**

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

Time Tool Opened: 14:54:49

Time Test Ended: 19:05:19

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3210.00 ft (KB) To 3284.00 ft (KB) (TVD)**

Total Depth: **3284.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1893.00 ft (KB)**

1888.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **70.69 psig @ 3213.00 ft (KB)**

Start Date: **2003.11.22**

End Date:

2003.11.22

Capacity: **7000.00 psig**

Last Calib.: **2003.11.22**

Start Time: **13:05:14**

End Time:

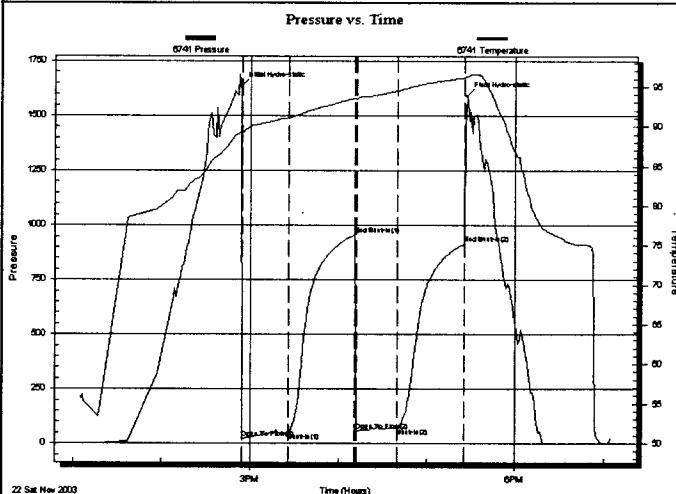
19:05:19

Time On Btm: **2003.11.22 @ 14:53:49**

Time Off Btm: **2003.11.22 @ 17:26:49**

TEST COMMENT: IF-Weak built to 4" in
FF-Weak built to 1" in

ISI-Dead
FSI-Dead



PRESSURE SUMMARY

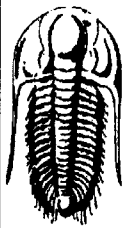
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1636.25	89.40	Initial Hydro-static
1	21.60	89.26	Open To Flow (1)
33	50.66	91.07	Shut-In(1)
77	955.95	93.53	End Shut-In(1)
78	59.93	93.48	Open To Flow (2)
106	70.69	94.50	Shut-In(2)
152	915.46	96.16	End Shut-In(2)
153	1591.61	96.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Drilling Mud with oil stain	0.34

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Company

Schlegel # 1-33

301 S. Market
Wichita, Ks. 67202

33-15s-17w Ellis KS

Job Ticket: 18485

DST#: 1

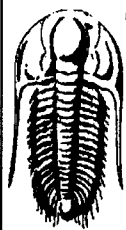
ATTN: Jay G. Schweikert

Test Start: 2003.11.22 @ 13:05:13

Tool Information

Drill Pipe:	Length: 3070.00 ft	Diameter: 3.80 inches	Volume: 43.06 bbl	Tool Weight:	3500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	40000.00 lb
		Total Volume:	43.67 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3210.00 ft			Final	38000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	74.00 ft				
Tool Length:	101.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3184.00	
Shut In Tool	5.00			3189.00	
Hydraulic tool	5.00			3194.00	
Jars	5.00			3199.00	
Safety Joint	2.00			3201.00	
Packer	4.00			3205.00	27.00 Bottom Of Top Packer
Packer	5.00			3210.00	
Stubb	1.00			3211.00	
Perforations	1.00			3212.00	
Change Over Sub	1.00			3213.00	
Recorder	0.00	6741	Inside	3213.00	
Blank Spacing	59.00			3272.00	
Change Over Sub	1.00			3273.00	
Recorder	0.00	11084	Outside	3273.00	
Perforations	8.00			3281.00	
Bullnose	3.00			3284.00	74.00 Bottom Packers & Anchor
Total Tool Length:	101.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

Schlegel # 1-33

301 S. Market
Wichita, Ks. 67202

33-15s-17w Ellis KS

Job Ticket: 18485

DST #: 1

ATTN: Jay G. Schweikert

Test Start: 2003.11.22 @ 13:05:13

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: 63.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Drilling Mud with oil stain	0.344

Total Length: 70.00 ft

Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

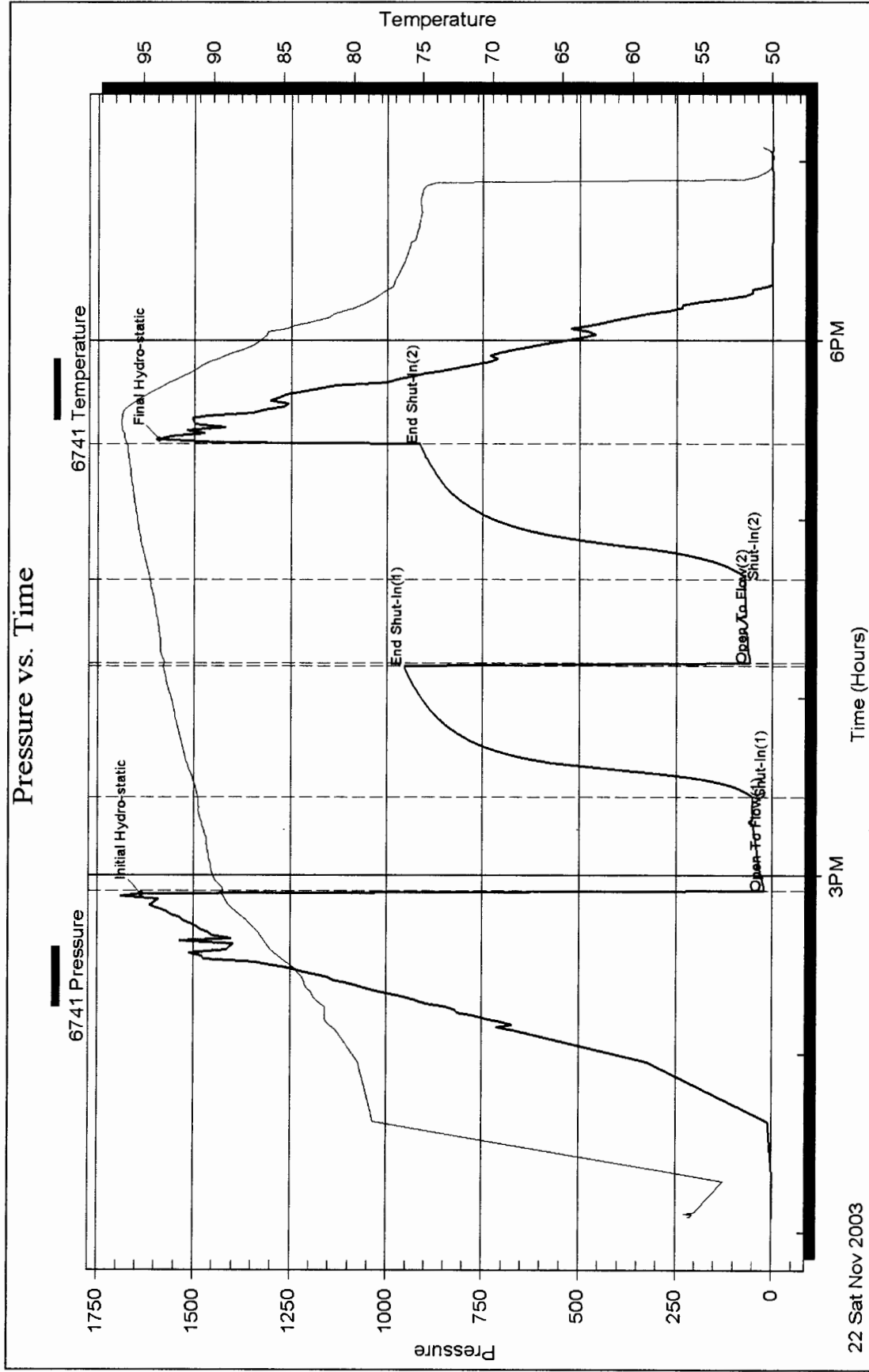
Serial #: 6741

Inside

Lario Oil & Gas Company

33-15s-17w Ellis KS

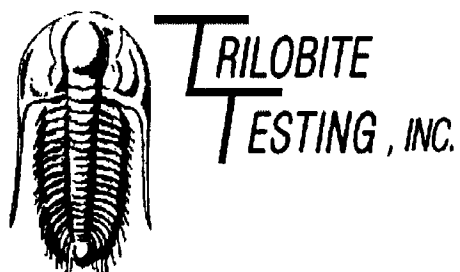
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 18485

Printed: 2003.12.03 @ 14:08:47 Page 5



DRILL STEM TEST REPORT

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

301 S. Market
Wichita, Ks. 67202

ATTN: Jay G. Schweikert

33-15s-17w Ellis KS

Schlegel # 1-33

Start Date: 2003.11.23 @ 20:28:25

End Date: 2003.11.24 @ 04:35:30

Job Ticket #: 18486 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 Company

301 S. Market
Wichita, Ks. 67202

ATTN: Jay G. Schweikert

Schlegel # 1-33

33-15s-17w Ellis KS

Job Ticket: 18486

DST#: 2

Test Start: 2003.11.23 @ 20:28:25

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 22:22:00

Time Test Ended: 04:35:30

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3424.00 ft (KB) To 3497.00 ft (KB) (TVD)**

Total Depth: **3497.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1893.00 ft (KB)**

1888.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **274.94 psig @ 3427.00 ft (KB)**

Start Date: **2003.11.23**

End Date: **2003.11.24**

Capacity: **7000.00 psig**

Last Calib.: **2003.11.24**

Start Time: **20:28:26**

End Time: **04:35:30**

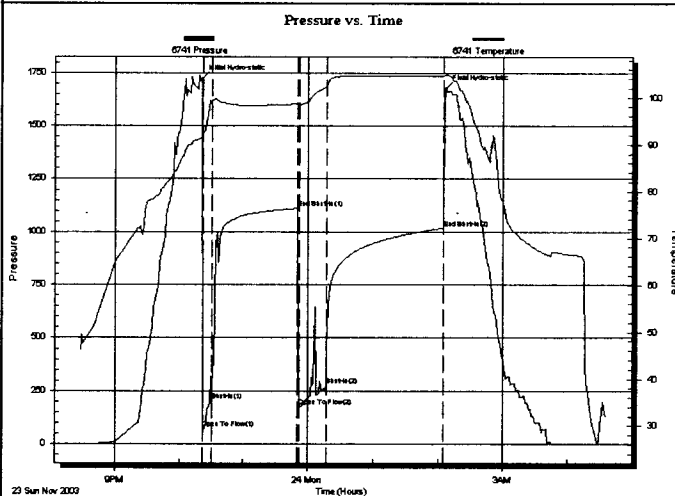
Time On Btm: **2003.11.23 @ 22:21:00**

Time Off Btm: **2003.11.24 @ 02:06:30**

TEST COMMENT: **IF-Strong B.O.B.5 min. after 15 min. blow decreasing to 6" in**
FF-Strong B.O.B.5 min.

ISI-Dead

FSI-Weak Surface



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1721.88	91.45	Initial Hydro-static
1	73.28	92.27	Open To Flow (1)
10	202.60	99.38	Shut-In (1)
90	1111.30	98.69	End Shut-In (1)
92	176.98	98.54	Open To Flow (2)
116	274.94	102.44	Shut-In (2)
225	1018.90	104.67	End Shut-In (2)
226	1674.62	104.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	Gassy Oil 10%G-90%O	1.12
300.00	HMGCO-10%G-20%M-70%O	4.21
90.00	GOCM-10%G-30%O-60%M	1.26
0.00	150 gas in pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Company

Schlegel # 1-33

301 S. Market
Wichita, Ks. 67202

33-15s-17w Ellis KS

Job Ticket: 18486

DST#: 2

ATTN: Jay G. Schweikert

Test Start: 2003.11.23 @ 20:28:25

Tool Information

Drill Pipe:	Length: 3221.00 ft	Diameter: 3.80 inches	Volume: 45.18 bbl	Tool Weight: 3500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 40000.00 lb
		Total Volume:	46.09 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3424.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	100.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3398.00	
Shut In Tool	5.00			3403.00	
Hydraulic tool	5.00			3408.00	
Jars	5.00			3413.00	
Safety Joint	2.00			3415.00	
Packer	4.00			3419.00	27.00 Bottom Of Top Packer
Packer	5.00			3424.00	
Stubb	1.00			3425.00	
Perforations	1.00			3426.00	
Change Over Sub	1.00			3427.00	
Recorder	0.00	6741	Inside	3427.00	
Blank Spacing	59.00			3486.00	
Change Over Sub	1.00			3487.00	
Recorder	0.00	11084	Outside	3487.00	
Perforations	7.00			3494.00	
Bullnose	3.00			3497.00	73.00 Bottom Packers & Anchor
Total Tool Length:		100.00			



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FLUID SUMMARY

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Schlegel # 1-33

301 S. Market
Wichita, Ks. 67202

33-15s-17w Ellis KS

Job Ticket: 18486

DST#: 2

ATTN: Jay G. Schweikert

Test Start: 2003.11.23 @ 20:28:25

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	Gassy Oil 10%G-90%O	1.120
300.00	HMGCO-10%G-20%M-70%O	4.208
90.00	GOCM-10%G-30%O-60%M	1.262
0.00	150 gas in pipe	0.000

Total Length: 590.00 ft

Total Volume: 7.146 bbl

Num Fluid Samples: 0

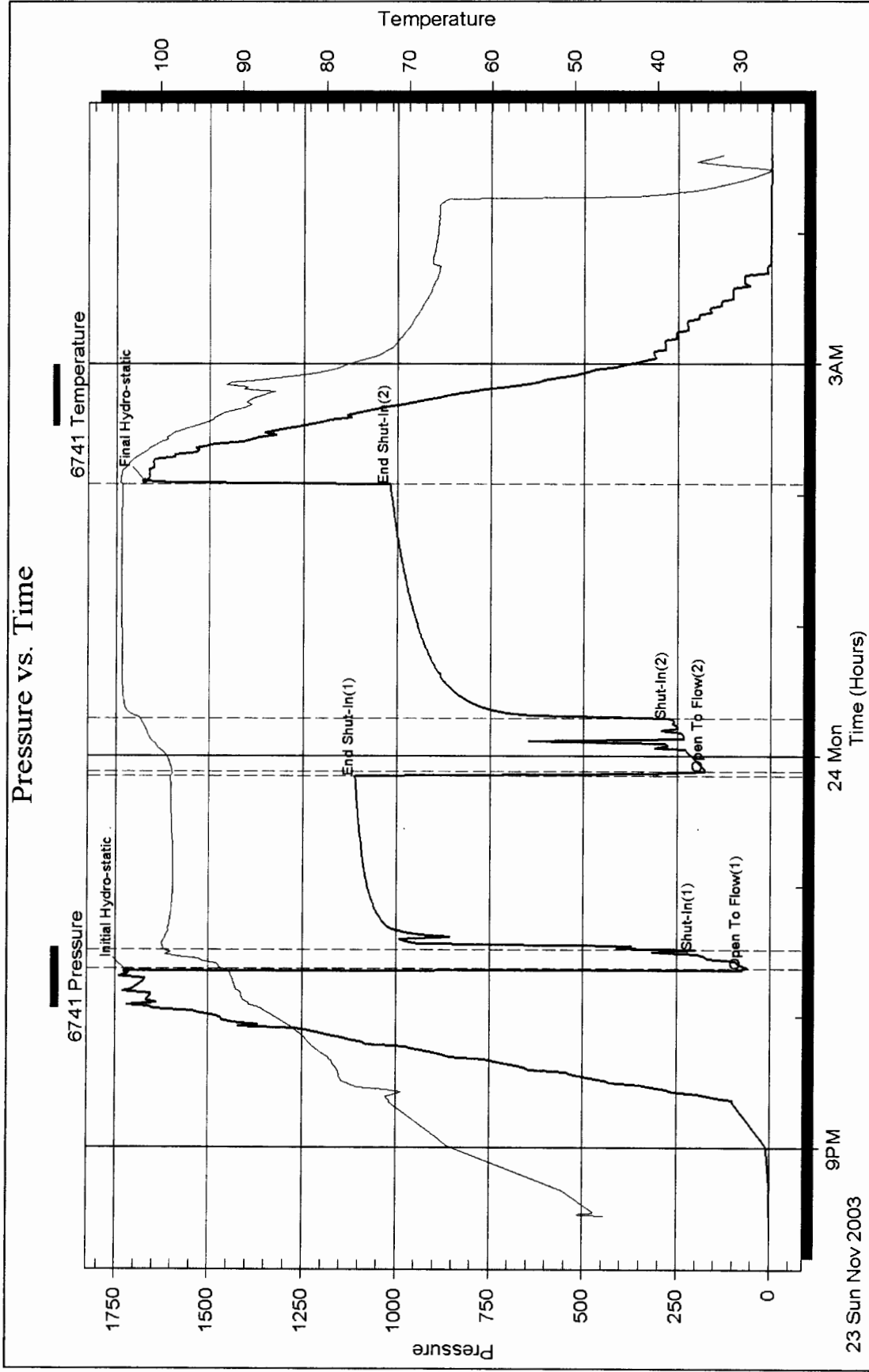
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

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

301 S. Market
Wichita, Ks. 67202

ATTN: Jay G. Schweikert

33-15s-17w Ellis KS

Schlegel # 1-33

Start Date: 2003.11.24 @ 09:53:03

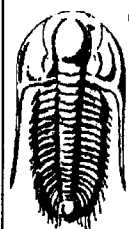
End Date: 2003.11.24 @ 17:46:39

Job Ticket #: 18487. DST #: 3

Trilobite Testing, Inc

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TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

301 S. Market
Wichita, Ks. 67202

ATTN: Jay G. Schweikert

Schlegel # 1-33

33-15s-17w Ellis KS

Job Ticket: 18487

DST#: 3

Test Start: 2003.11.24 @ 09:53:03

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 11:40:39

Time Test Ended: 17:46:39

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3425.00 ft (KB) To 3503.00 ft (KB) (TVD)**

Total Depth: **3503.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1893.00 ft (KB)**

1888.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **372.57 psig @ 3428.00 ft (KB)**

Start Date: **2003.11.24**

End Date: **2003.11.24**

Capacity: **7000.00 psig**

Last Calib.: **2003.11.24**

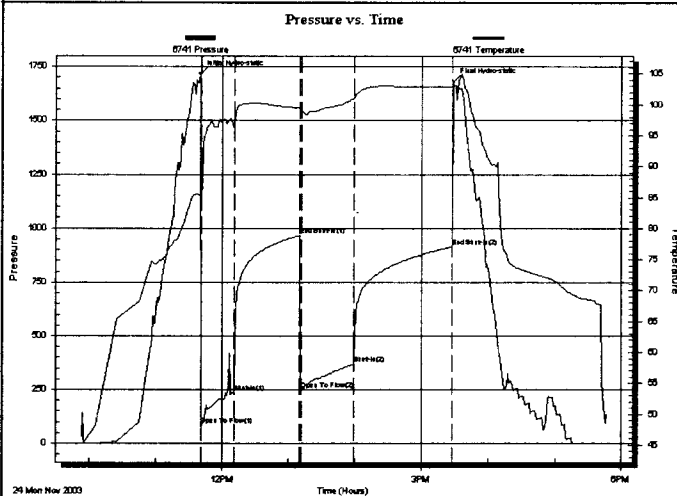
Start Time: **09:53:04**

End Time: **17:46:39**

Time On Btm: **2003.11.24 @ 11:39:39**

Time Off Btm: **2003.11.24 @ 15:28:39**

TEST COMMENT: **FF-Strong B.O.B.3 min.** **ISI-Good blow back 3" in.**
FF-Strong B.O.B.4 min. **FSI-Good blow back 7" in.**



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1716.20	85.32	Initial Hydro-static
1	85.51	85.08	Open To Flow (1)
31	237.92	97.07	Shut-In(1)
91	966.63	99.48	End Shut-In(1)
93	249.56	98.91	Open To Flow (2)
140	372.57	101.13	Shut-In(2)
228	914.01	102.87	End Shut-In(2)
229	1678.64	102.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
375.00	Gassy oil 10% G--90% O	3.58
510.00	HGMCO-10%G-30%M60%O	7.15

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Company

Schlegel # 1-33

301 S. Market
Wichita, Ks. 67202

33-15s-17w Ellis KS

Job Ticket: 18487

DST#: 3

ATTN: Jay G. Schweikert

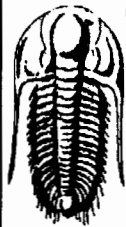
Test Start: 2003.11.24 @ 09:53:03

Tool Information

Drill Pipe:	Length: 3221.00 ft	Diameter: 3.80 inches	Volume: 45.18 bbl	Tool Weight: 3600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	46.09 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3425.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	105.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3399.00	
Shut In Tool	5.00			3404.00	
Hydraulic tool	5.00			3409.00	
Jars	5.00			3414.00	
Safety Joint	2.00			3416.00	
Packer	4.00			3420.00	27.00 Bottom Of Top Packer
Packer	5.00			3425.00	
Stubb	1.00			3426.00	
Perforations	1.00			3427.00	
Change Over Sub	1.00			3428.00	
Recorder	0.00	6741	Inside	3428.00	
Blank Spacing	59.00			3487.00	
Change Over Sub	1.00			3488.00	
Recorder	0.00	11084	Outside	3488.00	
Perforations	12.00			3500.00	
Bullnose	3.00			3503.00	78.00 Bottom Packers & Anchor
Total Tool Length:		105.00			



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DRILL STEM TEST REPORT

FLUID SUMMARY

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Schlegel # 1-33

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33-15s-17w Ellis KS

Job Ticket: 18487

DST #: 3

ATTN: Jay G. Schweikert

Test Start: 2003.11.24 @ 09:53:03

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
375.00	Gassy oil 10% G--90% O	3.575
510.00	HGMCO-10%G-30%M60%O	7.154

Total Length: 885.00 ft

Total Volume: 10.729 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 3

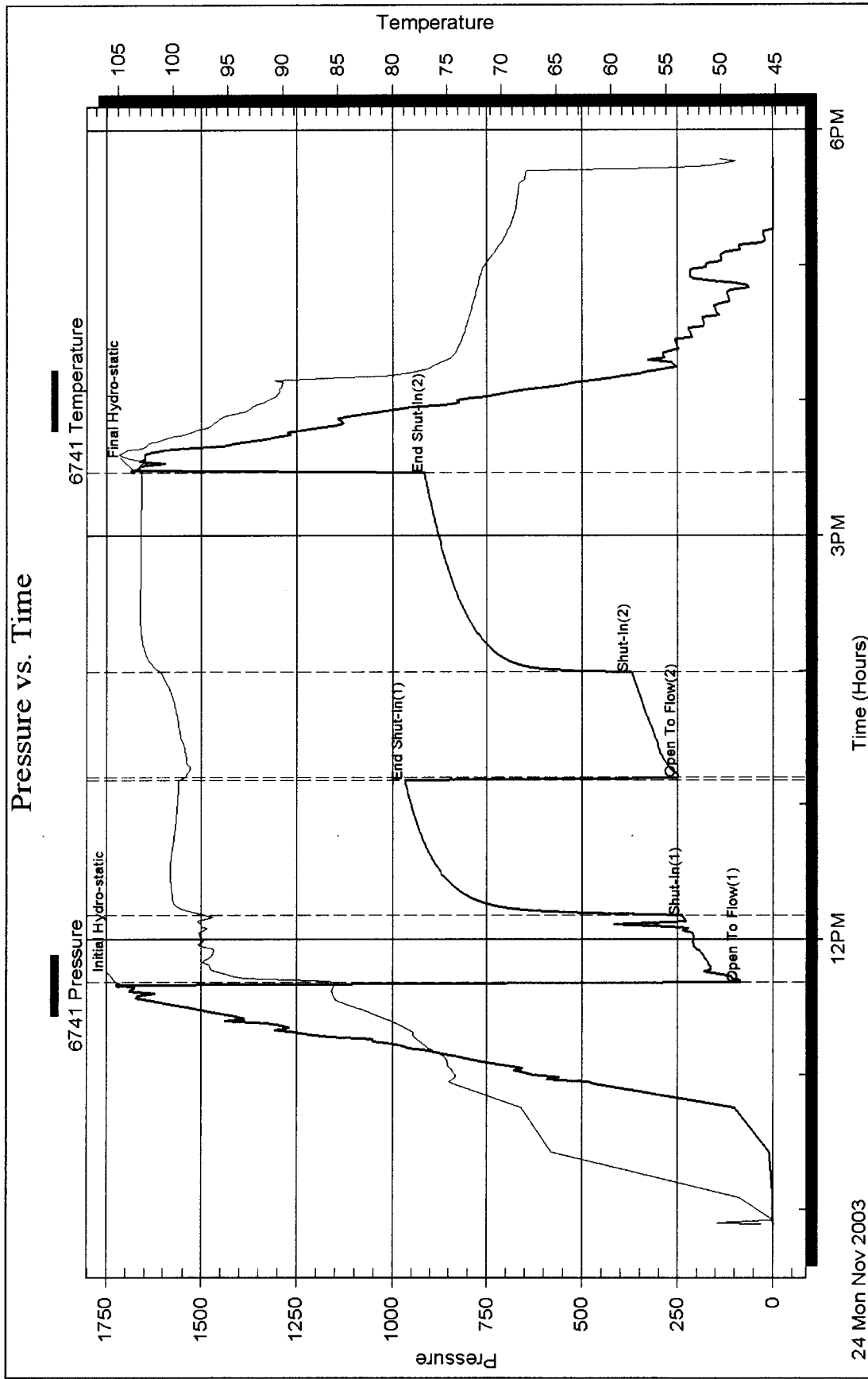
33-15s-17w Ellis KS

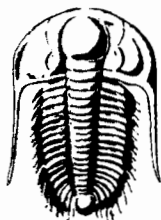
Lario Oil & Gas Company

Inside

Serial #: 6741

Pressure vs. Time





**TRILOBITE
TESTING INC.**

P.O. Box 362 • Hays, Kansas 67601

Nº 18485

05/03

Test Ticket

Well Name & No. SCHLEGEL #1-33 Test No. #1 Date 11-22-03
Company LARIO OIL & GAS COMPANY Zone Tested L.KC. - D+E
Address 3015, MARKET WICHITA, KS 67202 Elevation 1893 KB 1888 GL
Co. Rep / Geo. CURTIS COVEY Cont. MURFIN #8 Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 33 Twp. 15S Rge. 17W Co. ELLIS State KS
No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3210 To 3284 Initial Str Wt./Lbs. 38,000 Unseated Str Wt./Lbs. 38,000
Anchor Length 74' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 49,000
Top Packer Depth 3205 Tool Weight 3500
Bottom Packer Depth 3210 Hole Size 7 7/8" Rubber Size 6 3/4" ✓
Total Depth 3284 Wt. Pipe Run 220 Drill Collar Run 185'
Mud Wt. 9.2 LCM 0 Vis. 63 WL 10.0 Drill Pipe Size 4 1/2 XH Ft. Run 3076'
Blow Description IF - WEAK BUILT TO 4" IN. ISI - DEAD.
FF - WEAK BUILT TO 1" IN. FSE - DEAD

Recovery - Total Feet 70 GIP _____ Ft. in DC 70' Ft. in DP 0
Rec. 70 Feet of OIL STAIN DRILLING MUD %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
BHT 96 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 6,700 ppm System

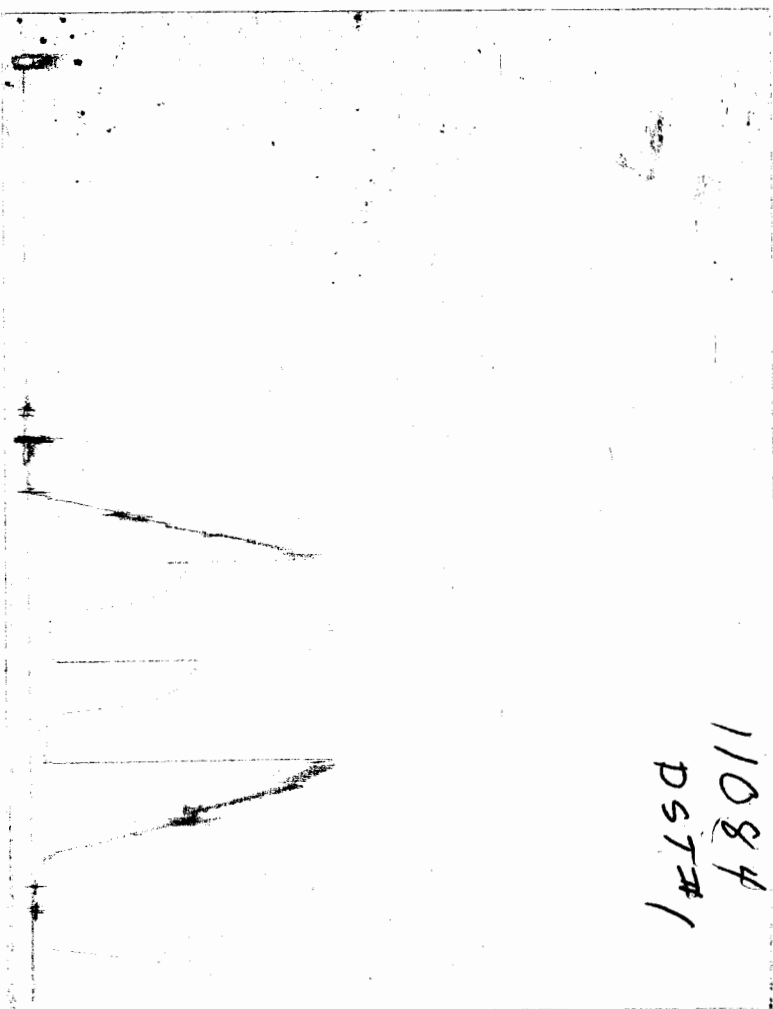
AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1636</u> PSI	<u>6741</u>	<u>B. HOLE 700</u>
(B) First Initial Flow Pressure	<u>21</u> PSI	(depth) <u>3213</u>	Elec. Rec. <u>✓ 150</u>
(C) First Final Flow Pressure	<u>50</u> PSI	Recorder No. <u>11084</u>	Jars <u>✓ 200</u>
(D) Initial Shut-In Pressure	<u>955</u> PSI	(depth) <u>3273</u>	Safety Jt. <u>✓ 50</u>
(E) Second Initial Flow Pressure	<u>59</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>70</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>915</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1591</u> PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
		Final Flow <u>30</u>	Shale Packer _____
		Final Shut-In <u>45</u>	Mileage <u>15</u> <u>15</u>
		T-On Location <u>11:45</u>	Sub Total: <u>1715</u>
		T-Started <u>13:05</u>	Std. By _____
		T-Open <u>14:55</u>	Other _____
		T-Pulled <u>17:25</u>	Total: _____
		T-Out <u>19:05</u>	

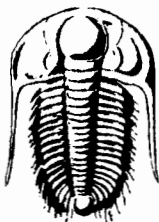
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Approved By _____
Our Representative John J. Schmidt

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18486

05/03

Test Ticket

Well Name & No.	<u>SCHLEGEL #1-33</u>	Test No.	<u>#2</u>	Date	<u>11-28-03</u>
Company	<u>LARIO OIL & GAS CO.</u>	Zone Tested	<u>ARBUCLE</u>		
Address		Elevation	<u>1893</u> KB	<u>1888</u> GL	
Co. Rep / Geo.	<u>CURTIS COVEX</u>	Cont.	<u>MURFIN #8</u>	Est. Ft. of Pay	<u> </u> %
Location: Sec.	<u>33</u>	Twp.	<u>15S</u>	Rge.	<u>17W</u> Co. <u>ELLIS</u> State <u>KS</u>
No. of Copies	<u> </u>	Disbtribution Sheet (Y, N)	<u> </u>	Turnkey (Y, N)	<u> </u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>3424 To 3497</u>	Initial Str Wt./Lbs.	<u>38,000</u>	Unseated Str Wt./Lbs.	<u>38,000</u>
Anchor Length	<u>73</u>	Wt. Set Lbs.	<u>25,000</u>	Wt. Pulled Loose/Lbs.	<u>40,000</u>
Top Packer Depth	<u>3419</u>	Tool Weight	<u>3500</u>		
Bottom Packer Depth	<u>3424</u>	Hole Size 7 7/8"	<u>✓</u>	Rubber Size 6 3/4"	<u>✓</u>
Total Depth	<u>3497</u>	Wt. Pipe Run	<u>0</u>	Drill Collar Run	<u>185'</u>
Mud Wt.	<u>9.2</u> LCM <u>1*</u> Vis. <u>52</u> WL <u>10.2</u>	Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>3298</u> <u>3221</u>
Blow Description	<u>IF-STRONG B.O.B. 5-MIN AFTER 15 MIN. BLOW DECREASED</u> <u>TO 6" IN. FSI-DEAD FF-STRONG B.O.B. 5-MIN. DECREASING</u>				

FSI-WEAK SURFACE BLOW BACK
(10P:13" + 20P:25" OPEN FLOW) LOTS OF PLUGGING

Recovery - Total Feet	<u>590</u>	GIP	<u>150'</u>	Ft. in DC	<u>185'</u>	Ft. in DP	<u>405</u>
Rec.	<u>200'</u>	Feet of	<u>GASSY OIL</u>	10 %gas	<u>90</u> %oil	%water	%mud
Rec.	<u>300'</u>	Feet of	<u>HMGCO</u>	10 %gas	<u>70</u> %oil	%water	<u>20</u> %mud
Rec.	<u>90'</u>	Feet of	<u>60 CM</u>	10 %gas	<u>30</u> %oil	%water	<u>60</u> %mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
BHT	<u>104</u>	°F Gravity	<u>35</u>	°API D @	<u>60</u>	°F Corrected Gravity	<u>35</u> °API
RW	<u>-</u>	@	<u>-</u>	°F Chlorides	<u>-</u> ppm Recovery	<u>-</u> Chlorides	<u>9,000</u> ppm System

AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>1721</u> PSI	Recorder No.	<u>6741</u>	Test	<u>B. HOLE 700</u>
(B) First Initial Flow Pressure	<u>73</u> PSI	(depth)	<u>3427</u>	Elec. Rec.	<u>150</u>
(C) First Final Flow Pressure	<u>202</u> PSI	Recorder No.	<u>11084</u>	Jars	<u>200</u>
(D) Initial Shut-In Pressure	<u>1111</u> PSI	(depth)	<u>3487</u>	Safety Jt.	<u>50</u>
(E) Second Initial Flow Pressure	<u>176</u> PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure	<u>274</u> PSI	(depth)		Sampler	
(G) Final Shut-In Pressure	<u>1018</u> PSI	Initial Opening	<u>30</u>	Straddle	
(Q) Final Hydrostatic Mud	<u>1674</u> PSI	Initial Shut-In	<u>60</u>	Ext. Packer	
		Final Flow	<u>45</u>	Shale Packer	
		Final Shut-In	<u>90</u>	Mileage	<u>15</u> <u>15</u>
		T-On Location	<u>19:45</u>	Sub Total:	<u>1115</u>
		T-Started	<u>20:28</u>	Std. By	<u>3/4 hr</u> <u>22.50</u>
		T-Open	<u>22:21</u>	Other	
		T-Pulled	<u>02:05</u>	Total:	<u>1137.50</u>
		T-Out	<u>04:35</u>		

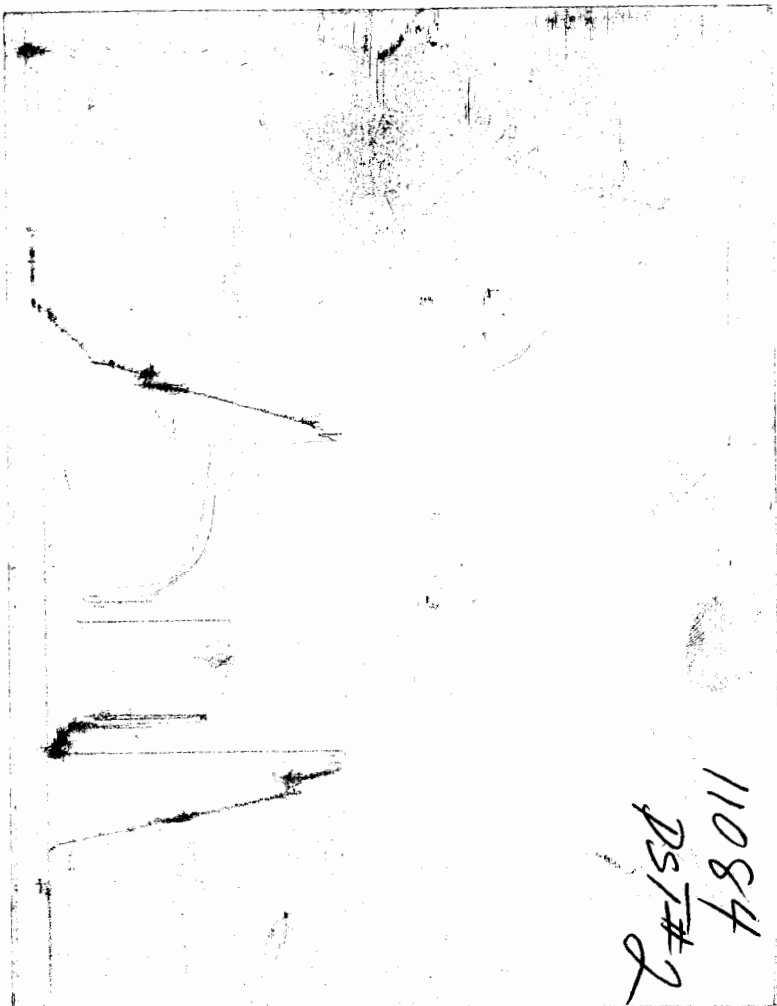
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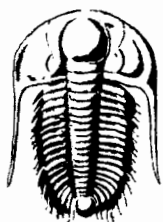
Approved By [Signature]

Our Representative [Signature]

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18487

05/03

Test Ticket

Well Name & No. <u>SCHLEGEL</u>	Test No. <u>#3</u>	Date <u>11-24-03</u>
Company <u>LARIO OIL & GAS CO.</u>	Zone Tested <u>ARRUCKLE</u>	
Address _____	Elevation <u>1893</u> KB <u>1888</u> GL	
Co. Rep / Geo. <u>CURTIS COVEY</u>	Cont. <u>MURFIN #8</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>33</u> Twp. <u>15S</u> Rge. <u>17W</u> Co. <u>ELLIS</u>	State <u>KS</u>	
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3425 To 3503</u>	Initial Str Wt./Lbs. <u>39,000</u>	Unseated Str Wt./Lbs. <u>41,000</u>
Anchor Length <u>78'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>50,000</u>
Top Packer Depth <u>3420</u>	Tool Weight <u>3600</u>	
Bottom Packer Depth <u>3425</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3503</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>185'</u>
Mud Wt. <u>9.0</u> LCM <u>3"</u> Vis. <u>50</u> WL <u>11.2</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3221</u>
Blow Description <u>IF - STRONG B.O.B. 3-min</u>	<u>ISF - GOOD BLOW BACK 3" IN</u>	
<u>FF - STRONG B.O.B. 4-min</u>	<u>FSF - GOOD BLOW BACK 7" IN</u>	

Recovery - Total Feet <u>885'</u>	GIP <u>—</u>	Ft. in DC <u>185'</u>	Ft. in DP <u>700</u>
Rec. <u>375</u>	Feet of <u>GASSY OIL</u>	10% gas	90% oil
Rec. <u>510</u>	Feet of <u>HGMCO</u>	10% gas	60% oil
Rec. _____	Feet of _____	% gas	% oil
Rec. _____	Feet of _____	% gas	% oil
Rec. _____	Feet of _____	% gas	% oil
BHT <u>102</u>	°F Gravity <u>35</u>	°API D @ <u>60</u>	°F Corrected Gravity <u>35</u>
RW <u>—</u>	@ <u>—</u>	°F Chlorides <u>—</u> ppm	Recovery <u>—</u> Chlorides <u>10,000</u> ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1716 PSI	Recorder No. <u>6741</u>	Test <u>B, HOLE 700</u>
(B) First Initial Flow Pressure			85 PSI	(depth) <u>3428</u>	Elec. Rec. <u>—</u> 150
(C) First Final Flow Pressure			237 PSI	Recorder No. <u>11084</u>	Jars <u>—</u> 200
(D) Initial Shut-In Pressure			966 PSI	(depth) <u>3488</u>	Safety Jt. <u>—</u> 50
(E) Second Initial Flow Pressure			249 PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure			372 PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure			914 PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud			1678 PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
				Final Flow <u>60</u>	Shale Packer _____
				Final Shut-In <u>90</u>	Mileage <u>15</u> <u>15</u>
				T-On Location <u>09:15</u>	Sub Total: <u>1115</u>
				T-Started <u>09:53</u>	Std. By <u>1/2</u> <u>15</u>
				T-Open <u>11:40</u>	Other <u>1130</u>
				T-Pulled <u>15:26</u>	Total: _____
				T-Out <u>17:46</u>	

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Approved By _____

Our Representative John J. Schmidt

CHART PAGE

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