

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas**

301 S Market
Wichita KS 67202

ATTN: Brad Rhine

24 11 18 ELLIS KS

Marshall E 29

Start Date: 2007.05.14 @ 19:50:36

End Date: 2007.05.15 @ 02:12:06

Job Ticket #: 28456

DST #: 1

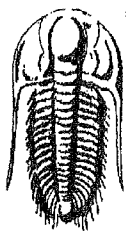
KCC
JUL 20 2007
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JUL 19 2007
KCC WICHITA

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

301 S Market
Wichita KS 67202

ATTN: Brad Rhine

Marshall E 29

24 11 18 ELLIS KS

Job Ticket: 28456

DST#: 1

Test Start: 2007.05.14 @ 19:50:36

GENERAL INFORMATION:

Formation: **LKC- HIJKL**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:05:21

Time Test Ended: 02:12:06

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 38

Interval: **3273.00 ft (KB) To 3410.00 ft (KB) (TVD)**

Total Depth: 3410.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1934.00 ft (KB)

1929.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741 Inside

Press@RunDepth: 55.70 psig @ 3281.00 ft (KB)

Start Date: 2007.05.14

End Date:

2007.05.15

Start Time: 19:50:38

End Time:

02:12:06

Capacity: 7000.00 psig

Last Calib.: 2007.05.15

Time On Btm: 2007.05.14 @ 22:05:06

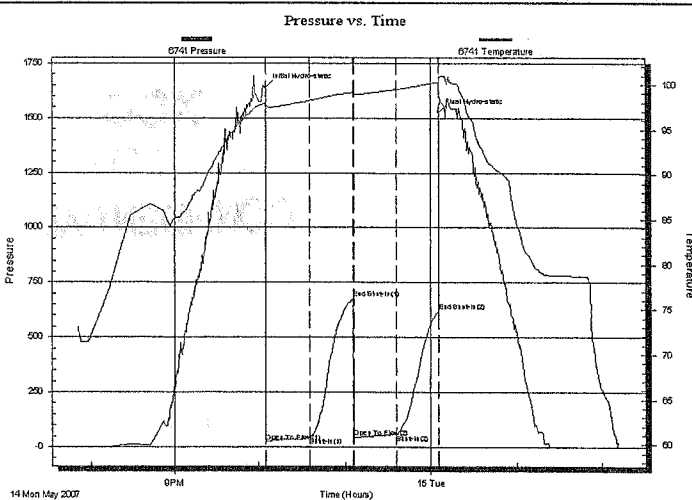
Time Off Btm: 2007.05.15 @ 00:05:36

TEST COMMENT: IF Weak blow Died 20 m

ISI Dead

FF DEAD

FSI Dead



PRESSURE SUMMARY

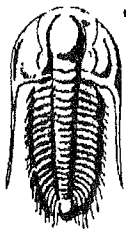
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1639.70	97.93	Initial Hydro-static
1	21.39	97.60	Open To Flow (1)
30	41.82	98.20	Shut-In(1)
61	677.32	99.12	End Shut-In(1)
62	45.91	98.97	Open To Flow (2)
91	55.70	99.45	Shut-In(2)
121	621.29	100.23	End Shut-In(2)
121	1526.80	100.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Clean Oil	0.02
60.00	HOcM 4%O 96%M	0.30

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

Marshall E 29

301 S Market
Wichita KS 67202

24 11 18 ELLIS KS

Job Ticket: 28456

DST#: 1

ATTN: Brad Rhine

Test Start: 2007.05.14 @ 19:50:36

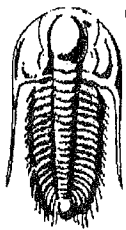
Tool Information

Drill Pipe:	Length: 3076.00 ft	Diameter: 3.80 inches	Volume: 43.15 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	40000.00 lb
		Total Volume:	44.06 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3273.00 ft			Final	38000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	137.00 ft				
Tool Length:	161.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3250.00	
Shut In Tool	5.00			3255.00	
Hydraulic tool	5.00			3260.00	
Safety Joint	3.00			3263.00	
Packer	5.00			3268.00	24.00 Bottom Of Top Packer
Packer	5.00			3273.00	
Stubb	1.00			3274.00	
Perforations	7.00			3281.00	
Recorder	0.00	6741	Inside	3281.00	
Change Over Sub	1.00			3282.00	
Drill Pipe	123.00			3405.00	
Change Over Sub	1.00			3406.00	
Recorder	0.00	13254	Outside	3406.00	
Perforations	1.00			3407.00	
Bullnose	3.00			3410.00	137.00 Bottom Packers & Anchor

Total Tool Length: 161.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas

Marshall E 29

301 S Market
Wichita KS 67202

24 11 18 ELLIS KS

Job Ticket: 28456

DST#: 1

ATTN: Brad Rhine

Test Start: 2007.05.14 @ 19:50:36

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: 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
5.00	Clean Oil	0.025
60.00	HOcM 4%O 96%M	0.295

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

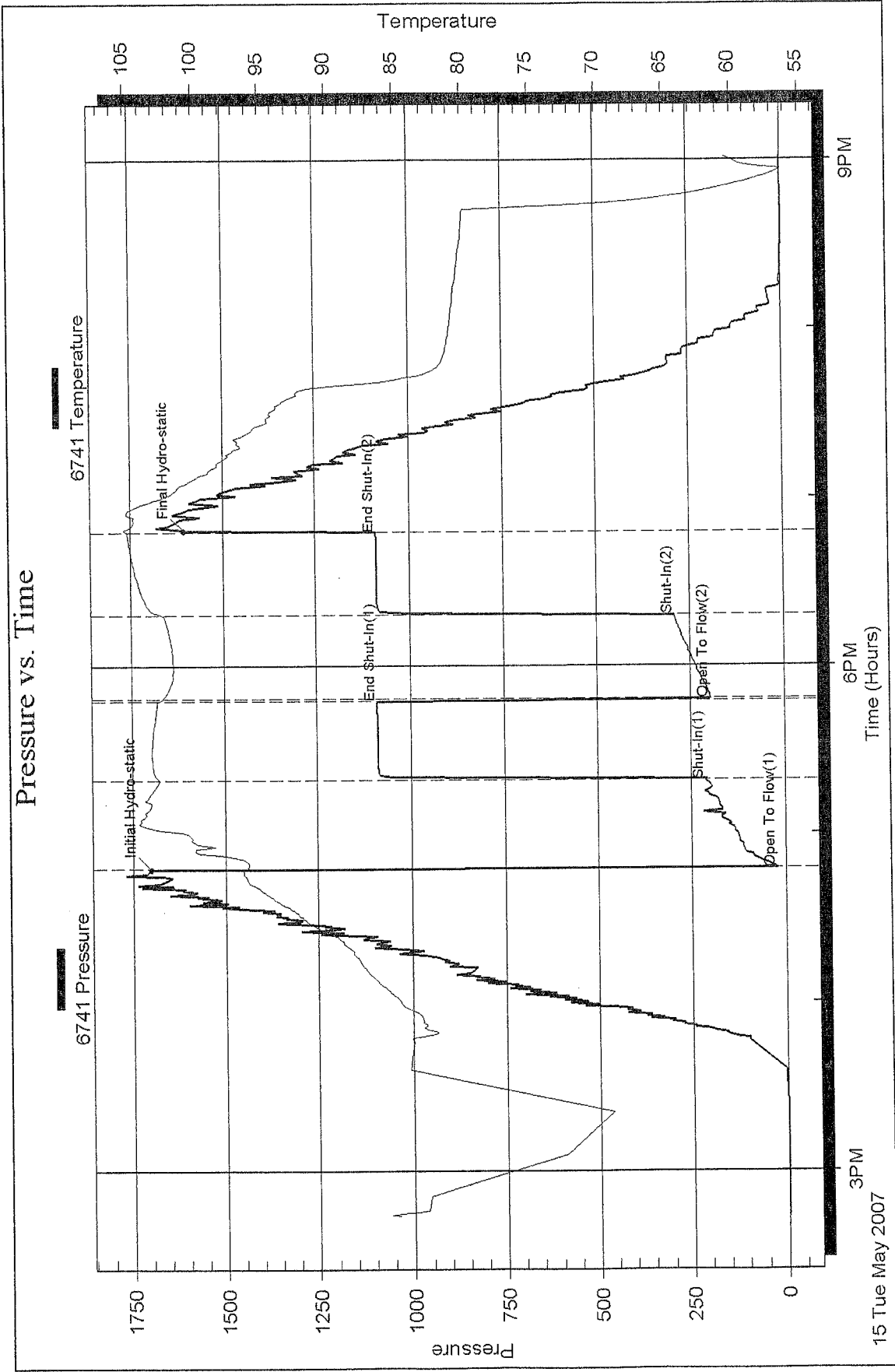
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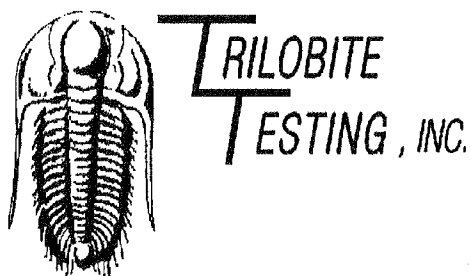
24 11 18 ELLIS KS

Lario Oil & Gas

Inside

Serial #: 6741





DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas**

301 S Market
Wichita KS 67202

ATTN: Brad Rhine

24 11 18 ELLIS KS

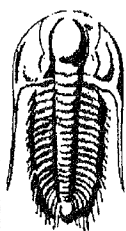
Marshall E 29

Start Date: 2007.05.15 @ 14:43:46

End Date: 2007.05.15 @ 21:01:16

Job Ticket #: 28115 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

301 S Market
Wichita KS 67202

ATTN: Brad Rhine

Marshall E 29

24 11 18 ELLIS KS

Job Ticket: 28115

DST#: 2

Test Start: 2007.05.15 @ 14:43:46

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:47:16

Time Test Ended: 21:01:16

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3396.00 ft (KB) To 3480.00 ft (KB) (TVD)**

Total Depth: 3480.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1934.00 ft (KB)

1929.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741 Inside

Press@RunDepth: 291.03 psig @ 3399.00 ft (KB)

Start Date: 2007.05.15 End Date: 2007.05.15

Start Time: 14:43:48 End Time: 21:01:16

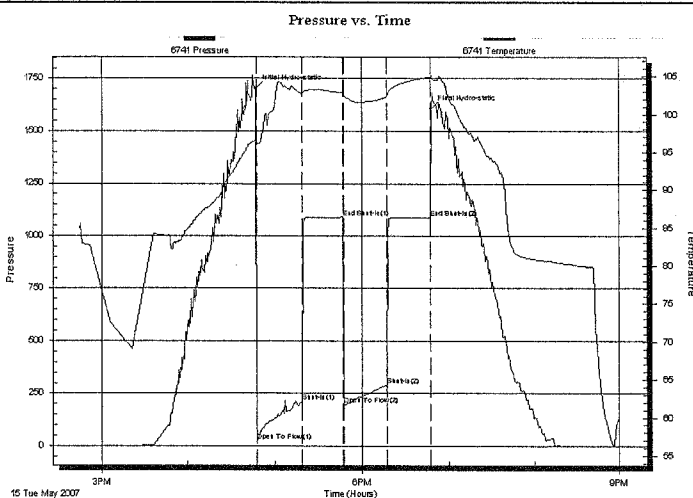
Capacity: 7000.00 psig

Last Calib.: 2007.05.15

Time On Btm: 2007.05.15 @ 16:47:01

Time Off Btm: 2007.05.15 @ 18:48:01

TEST COMMENT: IF Strong B-B in 12 min
FF Strong B-B in 25 min



PRESSURE SUMMARY

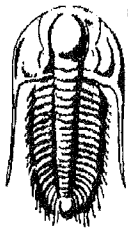
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1701.09	96.53	Initial Hydro-static
1	21.85	96.00	Open To Flow (1)
32	210.45	102.70	Shut-In (1)
60	1089.31	102.84	End Shut-In (1)
61	196.97	102.54	Open To Flow (2)
91	291.03	102.34	Shut-In (2)
121	1089.09	104.90	End Shut-In (2)
121	1607.33	105.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
247.00	Sltly MCGsyO 5%G 90%O 5%M	1.78
124.00	CGsyO 5%G 95%O	1.74
185.00	MCO 70%O 30%M	2.60
124.00	OCM 40%O 60%M	1.74

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas

Marshall E 29

301 S Market
Wichita KS 67202

24 11 18 ELLIS KS

Job Ticket: 28115

DST#: 2

ATTN: Brad Rhine

Test Start: 2007.05.15 @ 14:43:46

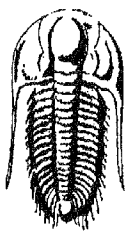
Tool Information

Drill Pipe:	Length: 3201.00 ft	Diameter: 3.80 inches	Volume: 44.90 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	45.81 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3396.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	108.00 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			3373.00	
Shut In Tool	5.00			3378.00	
Hydraulic tool	5.00			3383.00	
Safety Joint	3.00			3386.00	
Packer	5.00			3391.00	24.00 Bottom Of Top Packer
Packer	5.00			3396.00	
Stubb	1.00			3397.00	
Perforations	1.00			3398.00	
Change Over Sub	1.00			3399.00	
Recorder	0.00	6741	Inside	3399.00	
Drill Pipe	61.00			3460.00	
Change Over Sub	1.00			3461.00	
Recorder	0.00	13254	Outside	3461.00	
Perforations	16.00			3477.00	
Bullnose	3.00			3480.00	84.00 Bottom Packers & Anchor

Total Tool Length: 108.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas

Marshall E 29

301 S Market
Wichita KS 67202

24 11 18 ELLIS KS

Job Ticket: 28115

DST#: 2

ATTN: Brad Rhine

Test Start: 2007.05.15 @ 14:43:46

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
247.00	Silly MCGsyO 5%G 90%O 5%M	1.779
124.00	CGsyO 5%G 95%O	1.739
185.00	MCO 70%O 30%M	2.595
124.00	OCM 40%O 60%M	1.739

Total Length: 680.00 ft

Total Volume: 7.852 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

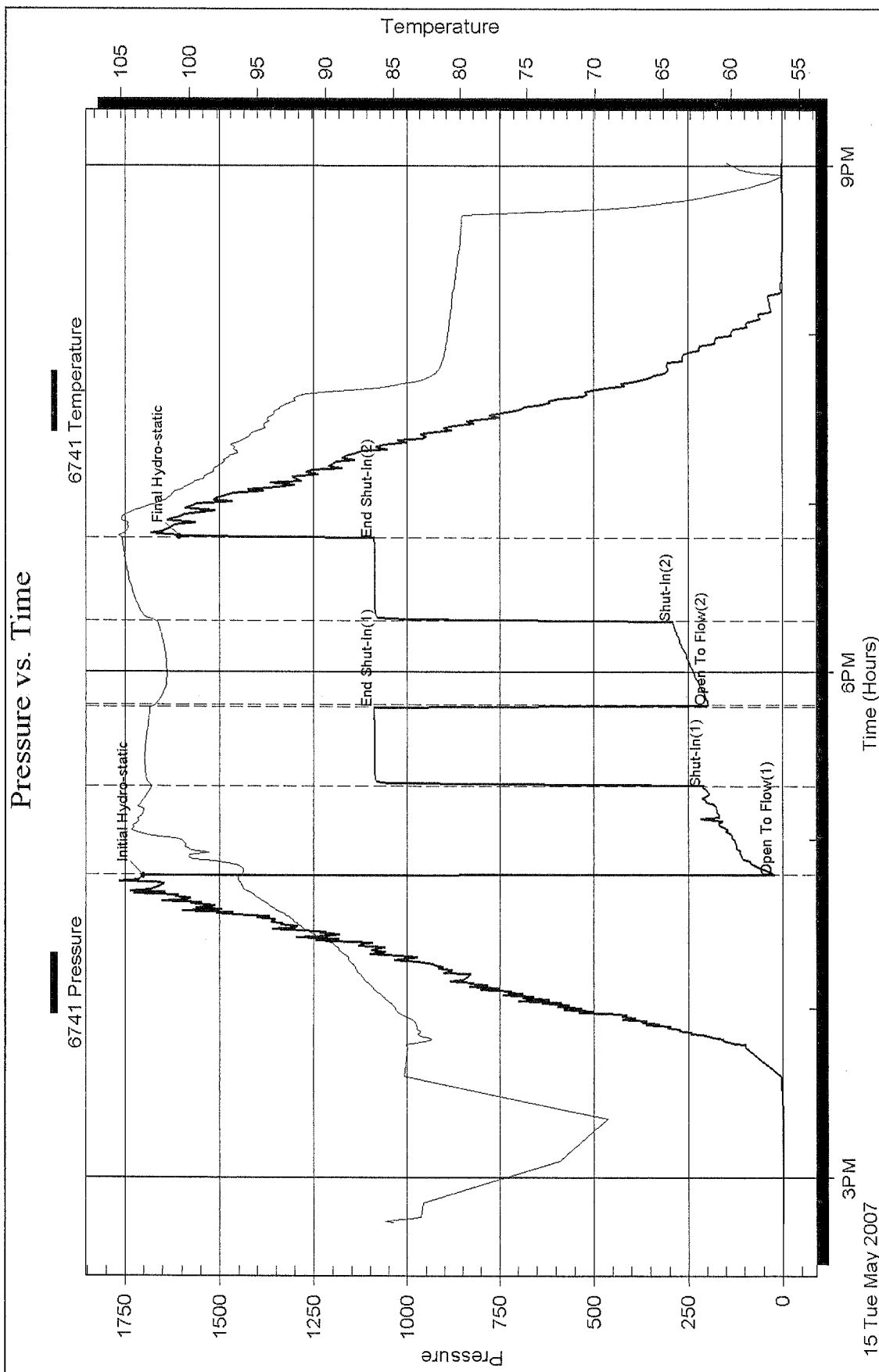
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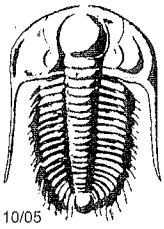
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28456

Test Ticket

Well Name & No. Marshall E29 Test No. 1 Date 5-14-07
 Company Lario Zone Tested LKC-HITKL
 Address _____ Elevation 1934 KB 1929 GL _____
 Co. Rep / Geo. Brad Rhine Rig Martin 8
 Location: Sec. 24 Twp. 11 Rge. 18 Co. Ellis State KS
 Comment: _____ Release date / time: _____

Interval Tested 3273 - 3410 Initial Str Wt./Lbs. 38000 Unseated Str Wt./Lbs. 38000
 Anchor Length 137 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 40000
 Top Packer Depth 3268 Tool Weight 2000
 Bottom Packer Depth 3273 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3410 Wt. Pipe Run _____ Drill Collar Run 185
 Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4 1/2 Ft. Run 3074
 Blow Description IF - Weak Blow died 20m

IST - Dead
FF - Dead
FSI - Dead
 Recovery - Total Feet 65 GIP _____ Ft. in DC 65 Ft. in DP _____
 Rec. 5 Feet of Clean Oil %gas 100 %oil _____ %water _____ %mud _____
 Rec. 60 Feet of Hootch %gas 4 %oil _____ %water 96 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 100 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	PSI	Recorder No.	<u>6741</u>	Test	<u>Ran</u>	<u>11 00</u>
(B) First Initial Flow Pressure		<u>21</u>	PSI	(depth)	<u>3283</u>	Jars		
(C) First Final Flow Pressure		<u>42</u>	PSI	Recorder No.	<u>3409 13254</u>	Safety Jt	<u>Ran</u>	<u>75</u>
(D) Initial Shut-In Pressure		<u>677</u>	PSI	(depth)	<u>3409</u>	Circ Sub		
(E) Second Initial Flow Pressure		<u>46</u>	PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure		<u>56</u>	PSI	(depth)		Straddle		
(G) Final Shut-In Pressure		<u>621</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer		
(Q) Final Hydrostatic Mud		<u>1572</u>	PSI	Initial Shut-In	<u>30</u>	Shale Packer		

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

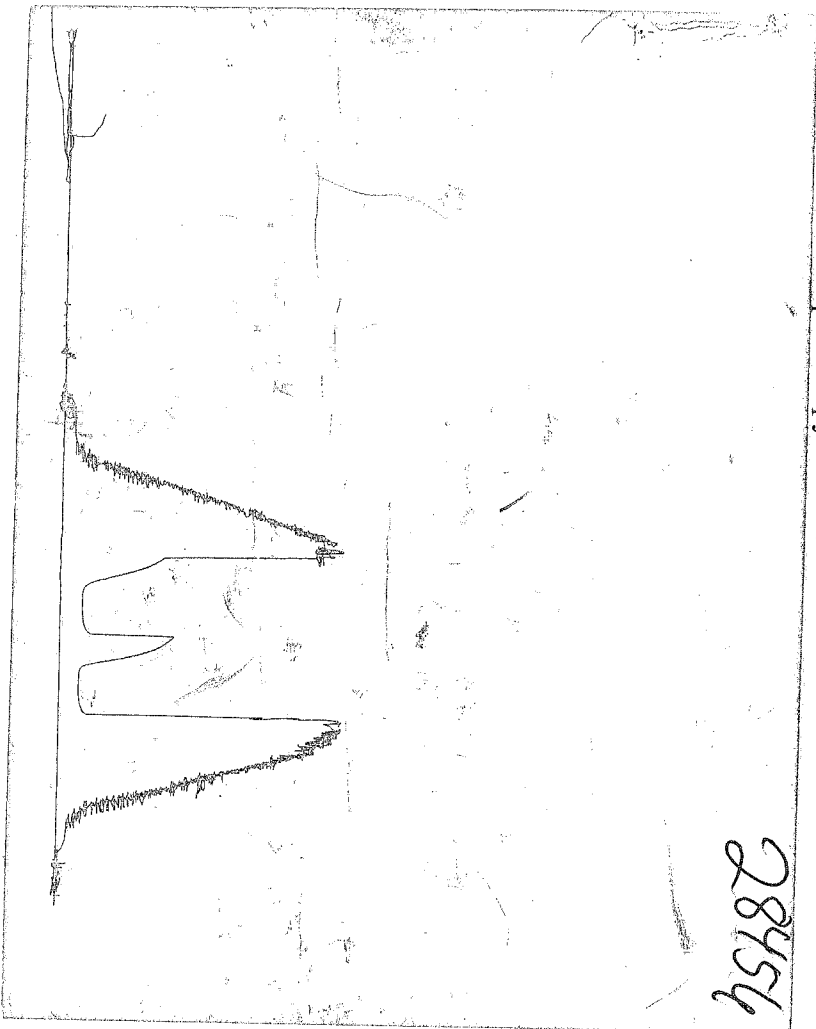
Approved By _____
 Our Representative Michael Ambroster

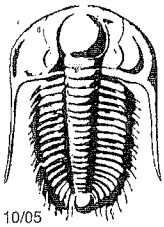
Final Flow 30
 Final Shut-In 30
 T-On Location 18:50
 T-Started 19:50
 T-Open 22:05
 T-Pulled 00:05
 T-Out 2:00
 Mileage 18 x 2 = 72
 Sub Total: 1265
 Std. By _____
 Acc. Chg: _____
 Other: _____
 Total: _____

CHART PAGE

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

28454





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28115

Test Ticket

Well Name & No. Marshall "F" #29 Test No. 2 Date 5-15-07
 Company Lario Oil & Gas Co. Zone Tested Arbuckle
 Address 301 S. Market Wichita, Ks. 67202 Elevation 1934 KB 1929 GL
 Co. Rep / Geo. Brad Rine Rig Murpin #8
 Location: Sec. 24 Twp. 11 Rge. 18 Co. Ellis State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3396 — 3480 Initial Str Wt./Lbs. 49,000 Unseated Str Wt./Lbs. 43,000
 Anchor Length 84 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 56,000
 Top Packer Depth 3391 Tool Weight 2000
 Bottom Packer Depth 3396 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3480 Wt. Pipe Run _____ Drill Collar Run 185
 Mud Wt. 9 LCM 8# Vis. 50 WL 8.4 Drill Pipe Size 4.5 XH Ft. Run 3201
 Blow Description I.F. Strong B-B in 12 min.

F.F. Strong B-B in 25 min.

Recovery - Total Feet 680 GIP _____ Ft. in DC 185 Ft. in DP 495
 Rec. 124 Feet of OCM %gas 40 %oil _____ %water 60 %mud _____
 Rec. 185 Feet of MCO %gas 70 %oil _____ %water 30 %mud _____
 Rec. 124 Feet of CCSYO 5 %gas 95 %oil _____ %water _____ %mud _____
 Rec. 247 Feet of SIT/4 MCCSYO 5 %gas 90 %oil _____ %water 5 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 104 °F Gravity _____ °API D @ _____ °F Corrected Gravity 34 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2700 ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1766</u>	PSI	Recorder No. <u>6741</u>	Test _____
(B) First Initial Flow Pressure	<u>21</u>	PSI	(depth) <u>3399</u>	Jars _____
(C) First Final Flow Pressure	<u>210</u>	PSI	Recorder No. <u>13204</u>	Safety Jt. <u>X</u>
(D) Initial Shut-In Pressure	<u>1089</u>	PSI	(depth) <u>3461</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>196</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>291</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1089</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1703</u>	PSI	Initial Shut-In <u>30</u>	Shale Packer _____
			Final Flow <u>30</u>	Ruined Packer _____
			Final Shut-In <u>30</u>	Mileage _____
			T-On Location <u>14' 15"</u>	Sub Total: _____
			T-Started <u>14:43</u>	Std. By _____
			T-Open <u>16:43</u>	Acc. Chg: _____
			T-Pulled <u>18:43</u>	Other: _____
			T-Out <u>21:01</u>	Total: _____

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Approved By Brad Rine
 Our Representative Dan Baugle

CHART PAGE

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

