



DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas**

301 S Market
Wichita KS 67202

ATTN: Steve Davis

22 28S 5W Kingman KS

Lentz A #1-22

Start Date: 2006.11.18 @ 08:21:00

End Date: 2006.11.18 @ 15:40:45

Job Ticket #: 25490 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

301 S Market
Wichita KS 67202

ATTN: Steve Davis

Lentz A #1-22

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Job Ticket: 25490

DST#: 1

Test Start: 2006.11.18 @ 08:21:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:52:00

Time Test Ended: 15:40:45

Test Type: Conventional Bottom Hole

Tester: Zach Stover

Unit No: 23

Interval: **3812.00 ft (KB) To 3839.00 ft (KB) (TVD)**

Total Depth: 3839.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1396.00 ft (KB)

1387.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6771 Inside

Press@RunDepth: 70.90 psig @ 3813.00 ft (KB)

Start Date: 2006.11.18

End Date:

2006.11.18

Start Time: 08:21:05

End Time:

15:40:44

Capacity: 7000.00 psig

Last Calib.: 2006.11.18

Time On Btm: 2006.11.18 @ 09:51:30

Time Off Btm: 2006.11.18 @ 13:53:44

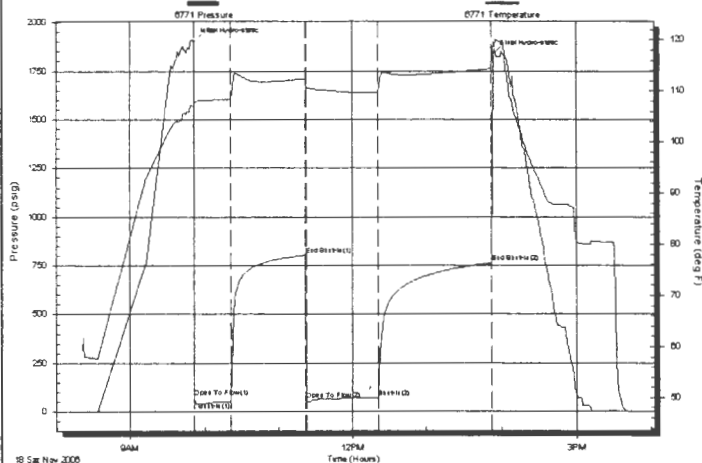
TEST COMMENT: IF Strong blow BOB immediately GTS in 7 mins.

ISI No blow

FF Strong blow

FSI Surface blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1903.32	107.05	Initial Hydro-static
1	77.15	107.50	Open To Flow (1)
30	51.51	108.32	Shut-In (1)
90	803.15	112.40	End Shut-In (1)
91	61.72	110.13	Open To Flow (2)
150	70.90	109.70	Shut-In (2)
242	763.55	114.38	End Shut-In (2)
243	1835.90	119.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	Drilling Mud	1.54

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	17.00	115.03
Last Gas Rate	0.38	18.00	118.69
Max. Gas Rate	0.38	20.00	126.02



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TOOL DIAGRAM

Lario Oil & Gas

Lentz A #1-22

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Wichita KS 67202

22 28S 5W Kingman KS

Job Ticket: 25490

DST#: 1

ATTN: Steve Davis

Test Start: 2006.11.18 @ 08:21:00

Tool Information

Drill Pipe:	Length: 3796.00 ft	Diameter: 3.80 inches	Volume: 53.25 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: 82000.00 lb
		Total Volume:	53.25 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3812.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	54.00 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			3786.00	
Shut In Tool	5.00			3791.00	
Hydraulic tool	5.00			3796.00	
Jars	5.00			3801.00	
Safety Joint	2.00			3803.00	
Packer	4.00			3807.00	27.00 Bottom Of Top Packer
Packer	5.00			3812.00	
Stubb	1.00			3813.00	
Recorder	0.00	6771	Inside	3813.00	
Perforations	21.00			3834.00	
Recorder	0.00	13789	Outside	3834.00	
Bullnose	5.00			3839.00	27.00 Bottom Packers & Anchor
Total Tool Length:		54.00			



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FLUID SUMMARY

Lario Oil & Gas

Lentz A #1-22

301 S Market
Wichita KS 67202

22 28S 5W Kingman KS

Job Ticket: 25490

DST#: 1

ATTN: Steve Davis

Test Start: 2006.11.18 @ 08:21:00

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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	Drilling Mud	1.543

Total Length: 110.00 ft

Total Volume: 1.543 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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DRILL STEM TEST REPORT

GAS RATES

Lario Oil & Gas

Lentz A #1-22

301 S Market
Wichita KS 67202

22 28S 5W Kingman KS

Job Ticket: 25490

DST#: 1

ATTN: Steve Davis

Test Start: 2006.11.18 @ 08:21:00

Gas Rates Information

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

Gas Rates Table

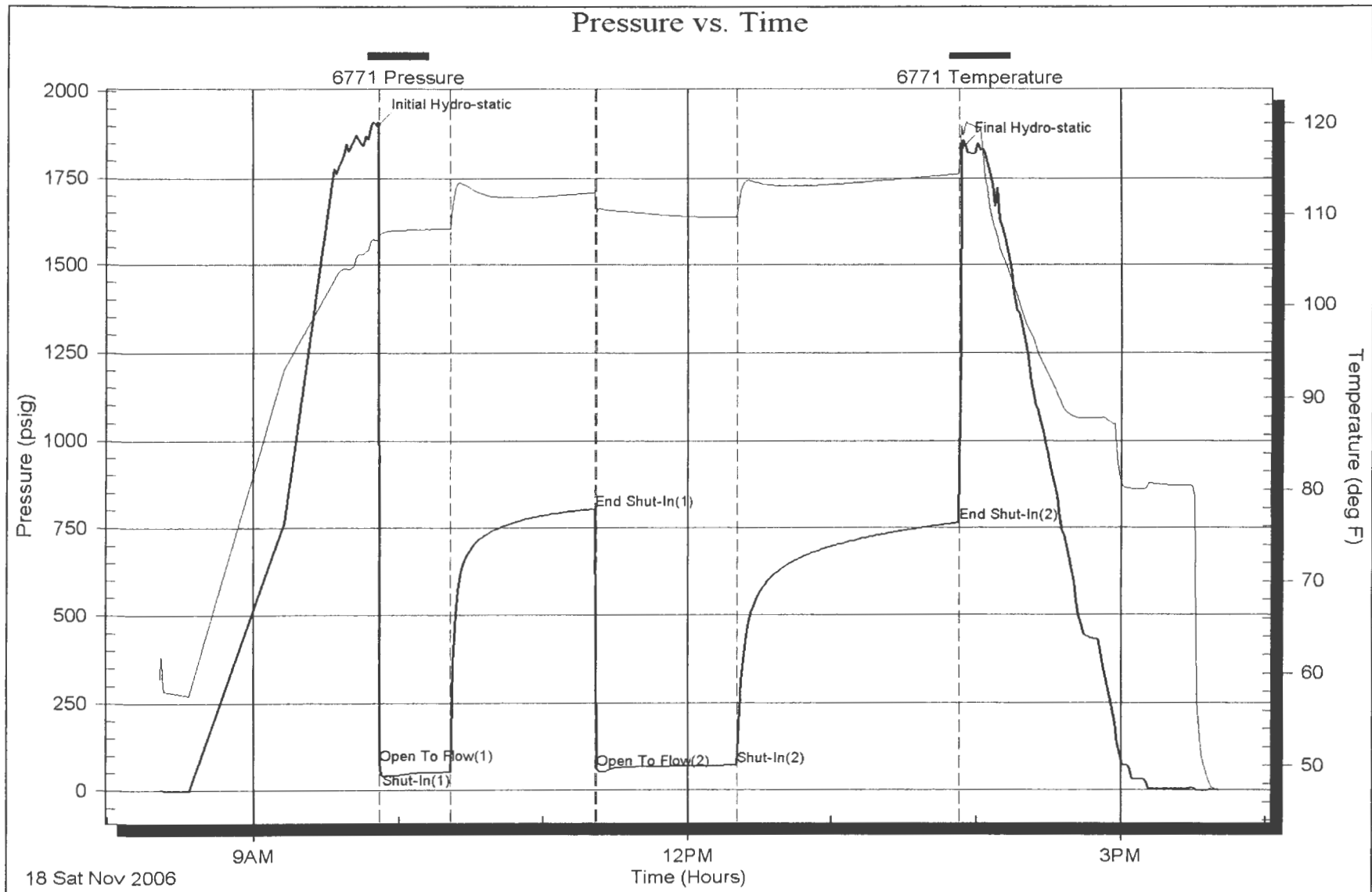
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
1	10	0.38	17.00	115.03
1	20	0.38	17.00	115.03
1	30	0.38	17.00	115.03
2	10	0.38	18.00	118.69
2	20	0.38	20.00	126.02
2	30	0.38	20.00	126.02
2	40	0.38	18.00	118.69
2	50	0.38	18.00	118.69
2	60	0.38	18.00	118.69

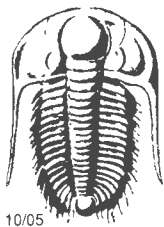
Serial #: 6771

Inside Lario Oil & Gas

22 28S 5W Kingman KS

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9540 ✓

25490

Test Ticket

Well Name & No. <u>Sentry 'A' # 1-22</u>	Test No. <u>1</u>	Date <u>11-18-06</u>
Company <u>Parion Oil & Gas</u>	Zone Tested <u>Mississippi</u>	
Address <u>301 S. Market Wichita Ks 67202</u>	Elevation <u>1396</u> KB <u>1387</u> GL	
Co. Rep / Geo. <u>Steve Davis</u>	Rig <u>Southwind #2</u>	
Location: Sec. <u>22</u> Twp. <u>28S</u> Rge. <u>05W</u>	Co. <u>Kingman</u> State <u>Ks</u>	
Comment: _____		Release date / time: _____

Interval Tested <u>3812 - 3839</u>	Initial Str Wt./Lbs. <u>45000</u>	Unseated Str Wt./Lbs. <u>45000</u>
Anchor Length <u>27'</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>82000</u>
Top Packer Depth <u>3807</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3812</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3839</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>None</u>
Mud Wt. <u>9.4</u> LCM <u>-</u> Vis. <u>45</u> WL <u>10.4</u>	Drill Pipe Size <u>4 1/2"</u>	Ft. Run <u>3796</u>
Blow Description <u>IF: Strong blow. B.O.B. immediately. GTS 7 mins.</u>		

ESI: No blow.
FF: Strong blow.
FSI: Surface blow.

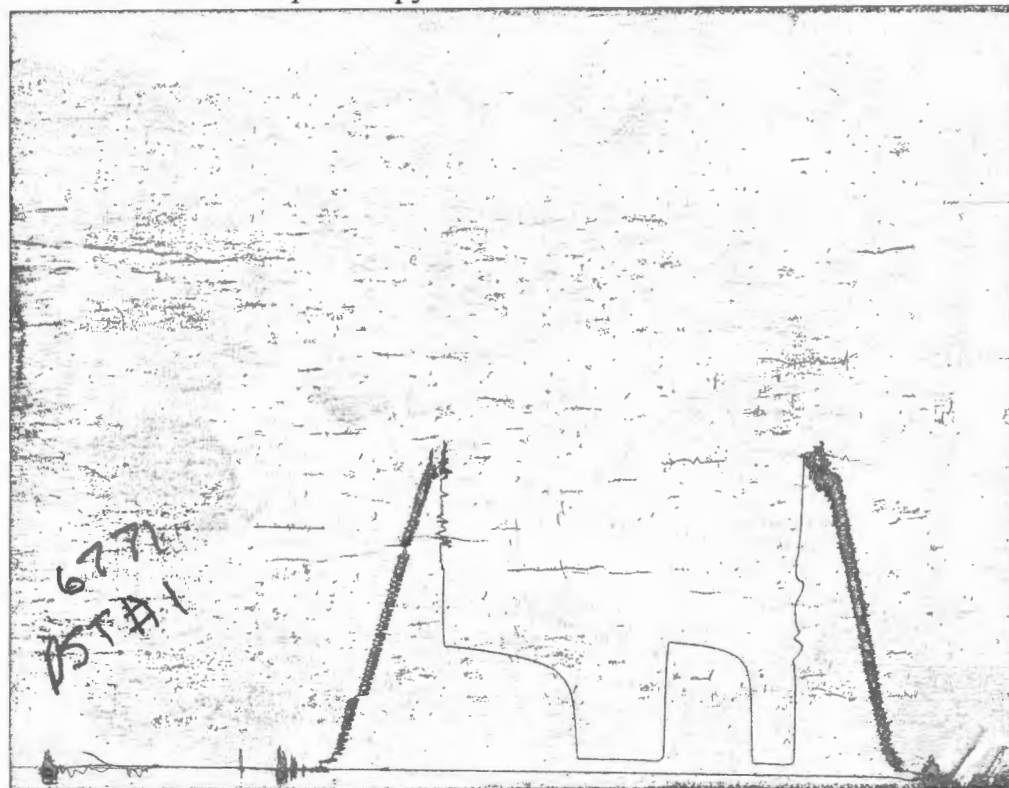
Recovery - Total Feet <u>110</u>	GIP	Ft. in DC	Ft. in DP <u>110</u>
Rec. <u>110</u>	Feet of <u>Mud</u>	%gas	%oil %water <u>100</u> %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
BHT _____	*F Gravity _____	*API D @ _____	*F Corrected Gravity _____ *API
RW _____ @ _____	*F Chlorides _____	ppm Recovery _____	Chlorides <u>6000</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1903</u> PSI	Alpine	Recorder No. <u>6771</u>	Test <u>✓</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>77</u> PSI		(depth) <u>3813</u>	Jars <u>✓</u> <u>250</u>
(C) First Final Flow Pressure	<u>52</u> PSI		Recorder No. <u>13789</u>	Safety Jt. <u>✓</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>803</u> PSI		(depth) <u>3834</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>62</u> PSI		Recorder No. <u>-</u>	Sampler _____
(F) Second Final Flow Pressure	<u>71</u> PSI		(depth) <u>-</u>	Straddle _____
(G) Final Shut-In Pressure	<u>764</u> PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1824</u> PSI	Initial Shut-In	<u>60</u>	Shale Packer _____

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Approved By <u>[Signature]</u>	Final Shut-In <u>90</u>	Mileage <u>116</u> ✓ <u>145</u>	Sub Total: _____
Our Representative <u>Zachary R. Stover</u>	T-On Location <u>8:05</u>	Std. By _____	Acc. Chg: <u>\$1570</u>
	T-Started <u>8:21</u>	Other: _____	Total: _____
	T-Open <u>9:52</u>		
	T-Pulled <u>13:54</u>		
	T-Out <u>15:40</u>		

CHART PAGE

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



GAS VOLUME REPORT

Fario Oil & Gas
OPERATOR

OPERATOR

VOLUME REPORT
Lentz A# 1-22
WELL NAME AND NO.

WELL NAME AND NO.

1
DST NO

DST NO

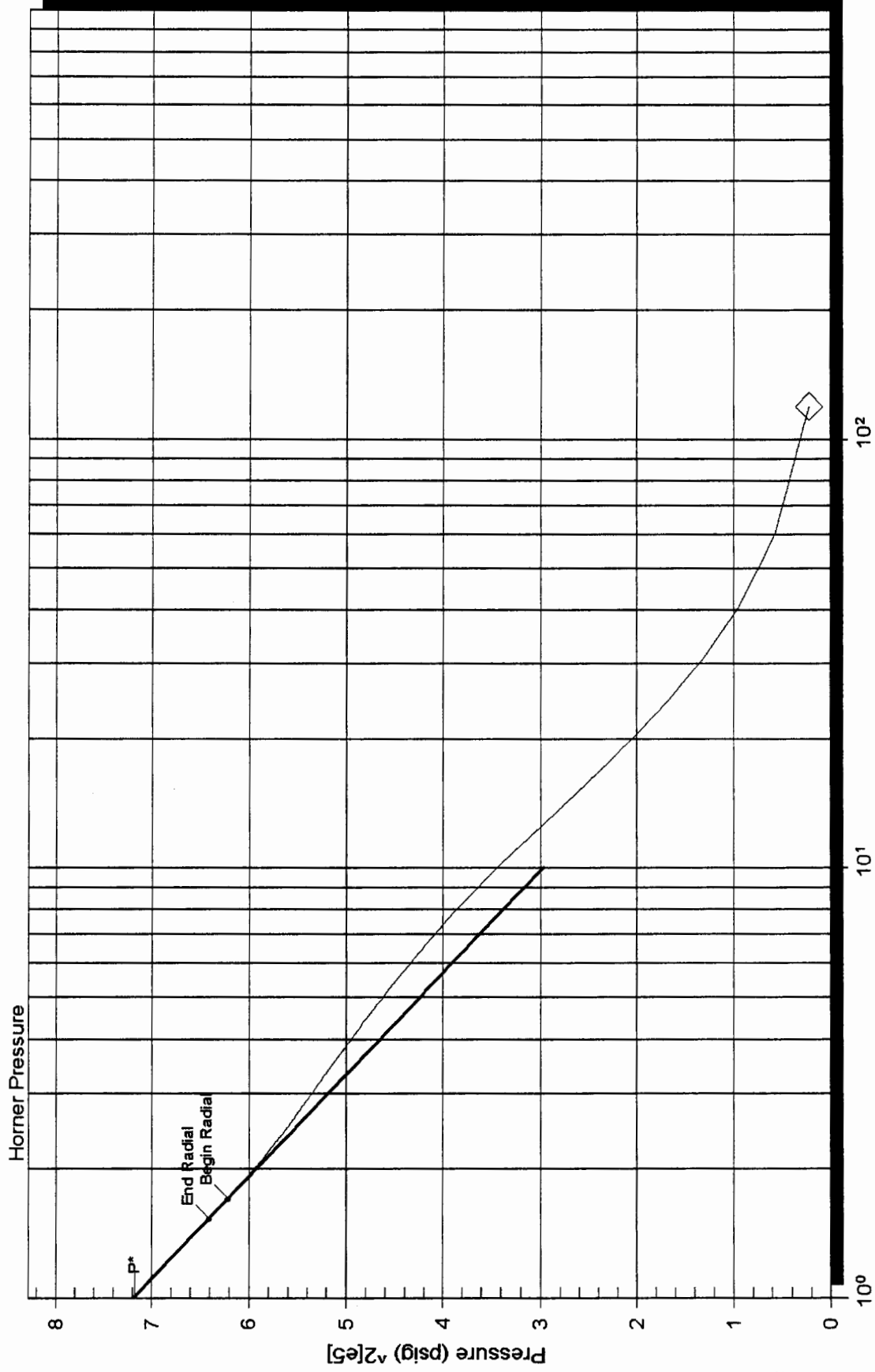
Initial

Final

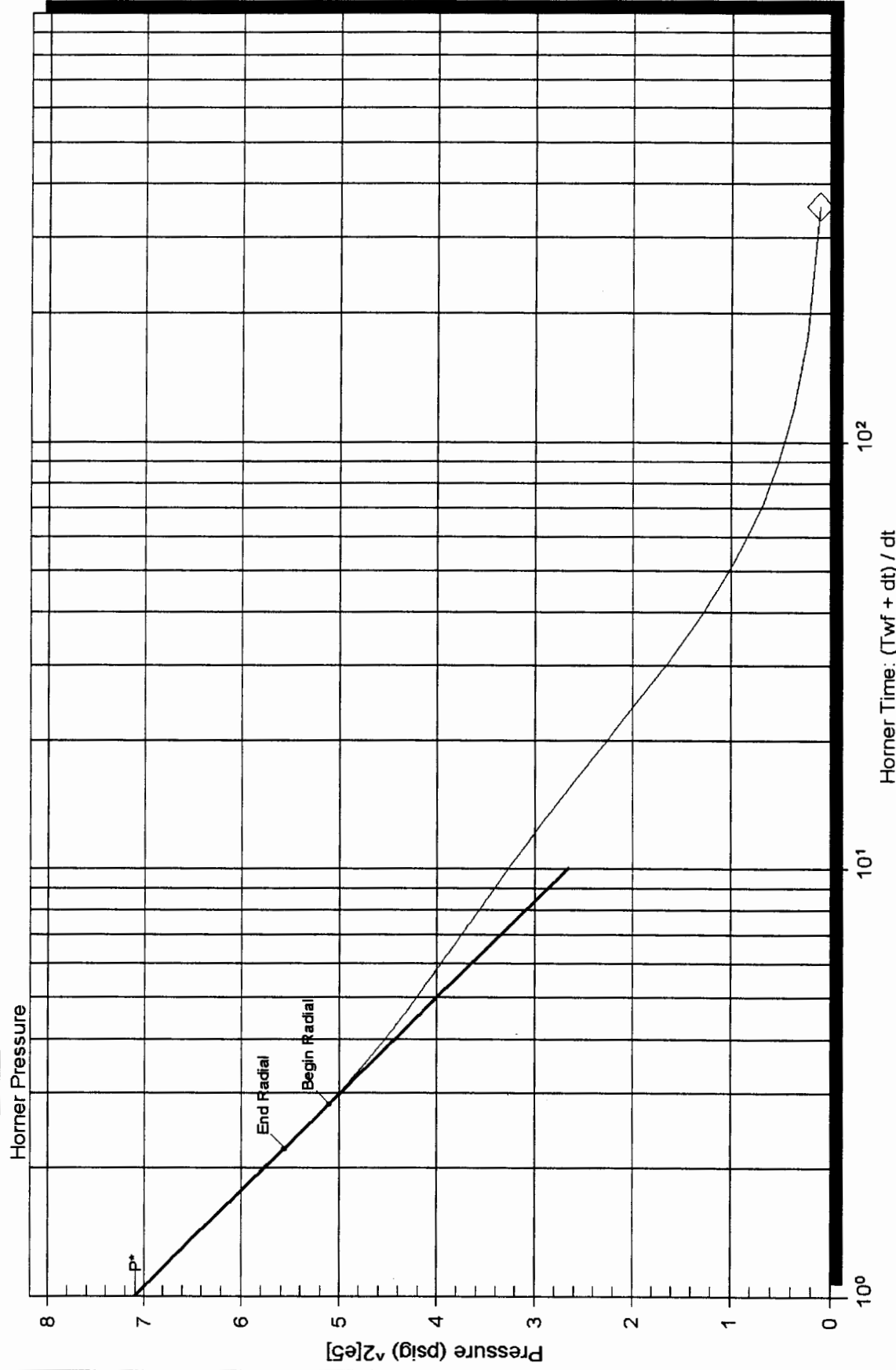
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Remarks:

Horner Plot



Horner Plot



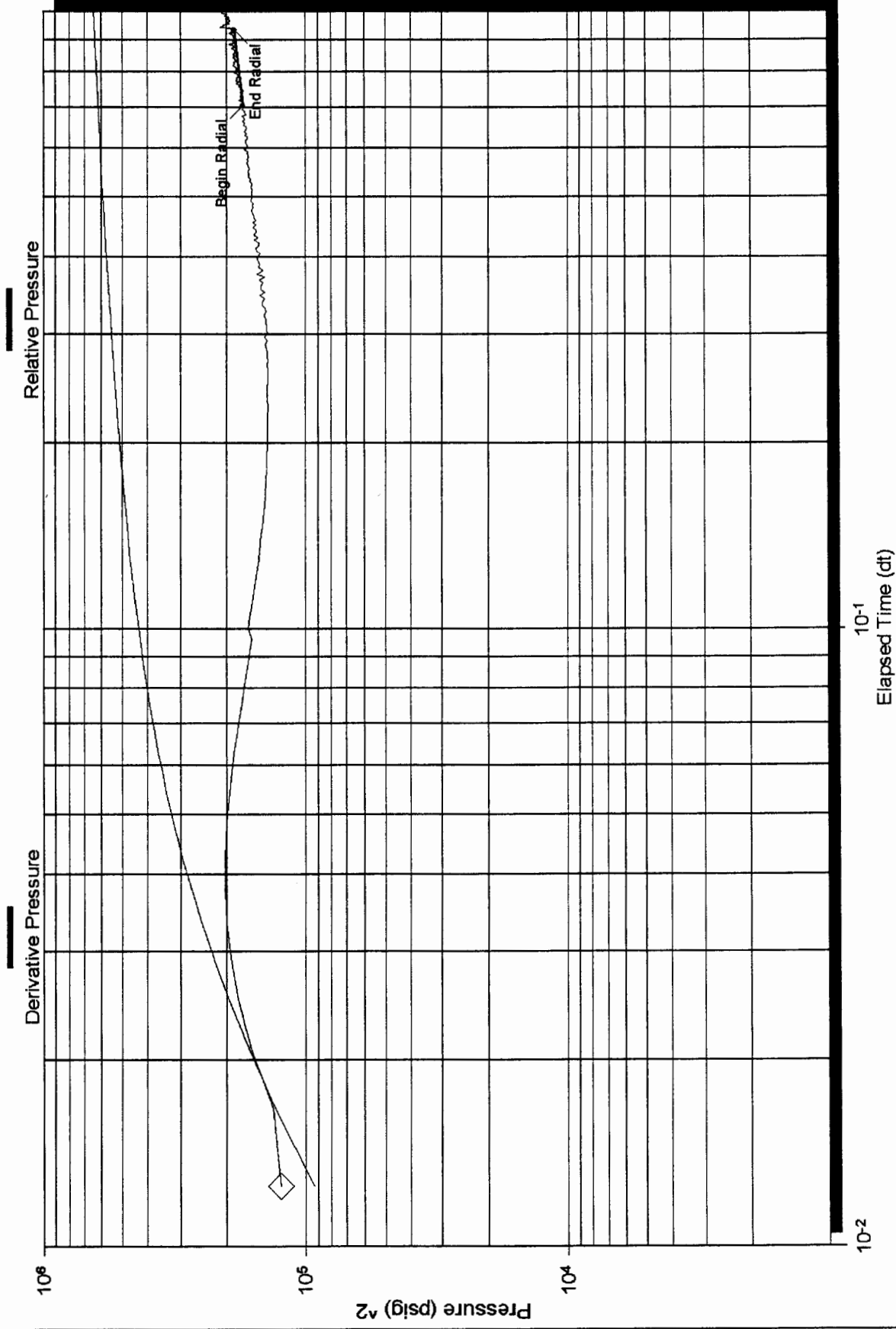
Serial Number: 6771 (inside)

$P^* : 842.02$

Slope (m) : 4.43 kpa/log cycle

Flow Cycle: 2

Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative

