



DRILL STEM TEST REPORT

Prepared For: **Raydon Exlporation I**

9400 N Broadway Ste. 400
Oklahoma City, OK 73114

ATTN: Ed Grieves

32-32S-27W Meade KS

Classen Trust #1-32

Start Date: 2001.02.28 @ 09:00:00

End Date: 2001.02.28 @ 04:17:00

Job Ticket #: 13460 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



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TESTING, INC.

DRILL STEM TEST REPORT

Raydon Exploration I

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ATTN: Ed Grieves

Classen Trust #1-32

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Job Ticket: 13460

DST#: 1

Test Start: 2001.02.28 @ 09:00:00

GENERAL INFORMATION:

Formation: **Morrow Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:47:23

Time Test Ended: 04:17:00

Test Type: Conventional Bottom Hole

Tester: Mike Colantonio

Unit No: 20

Interval: **5606.00 ft (KB) To 5672.00 ft (KB) (TVD)**

Total Depth: 5672.00 ft (KB)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2486.00 ft (KB)

2475.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **3027** Inside

Press@RunDepth: 45.45 psig @ 5612.00 ft (KB)

Start Date: 2001.02.28

End Date: 2001.02.28

Start Time: 08:58:10

End Time: 20:02:23

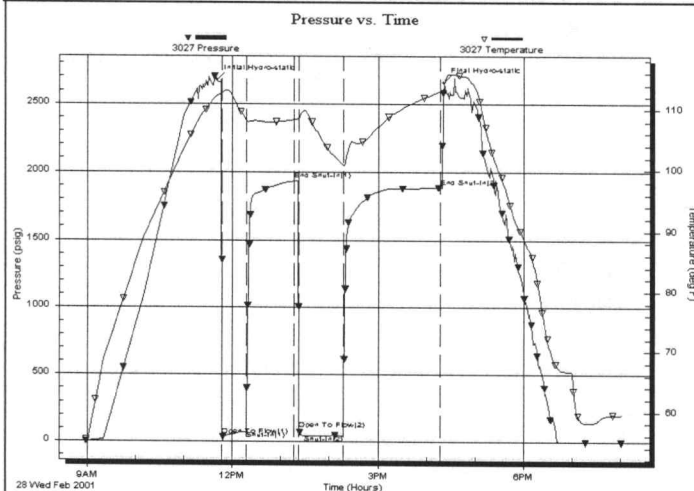
Capacity: 7000.00 psig

Last Calib.: 2001.02.28

Time On Btm: 2001.02.28 @ 11:41:08

Time Off Btm: 2001.02.28 @ 16:21:08

TEST COMMENT: 1st opening strong blow B.O.B in 1 min GTS in 12 min.
ISI Had surface blow back
2nd opening strong blow B.O.B soon as open Gaugeing gas
FSI Had surface blow back built to 7"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
163	2677.15	112.32	Initial Hydro-static
170	32.97	112.65	Open To Flow (1)
200	69.86	108.28	Shut-In(1)
258	1931.75	108.39	End Shut-In(1)
265	87.80	108.59	Open To Flow (2)
319	45.45	100.92	Shut-In(2)
440	1882.38	113.04	End Shut-In(2)
443	2660.36	114.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% Drilg. mud	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	13.00	184.83
Last Gas Rate	0.75	5.00	303.02
Max. Gas Rate	0.50	13.00	184.83



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TOOL DIAGRAM

Raydon Exploration I

Classen Trust #1-32

9400 N Broadway Ste. 400
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32-32S-27W Meade KS

Job Ticket: 13460

DST#: 1

ATTN: Ed Grieves

Test Start: 2001.02.28 @ 09:00:00

Tool Information

Drill Pipe:	Length: 5237.00 ft	Diameter: 3.80 inches	Volume: 73.46 bbl	Tool Weight: 1800.00 lb
Drill Collar:	Length: 351.00 ft	Diameter: 2.25 inches	Volume: 1.73 bbl	Weight set on Packer: 25000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 105000.0 lb
Drill Pipe Above KB:	10.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	5601.00 ft			String Weight: Initial 95000.00 lb
Depth to Bottom Packer:	ft			Final 95000.00 lb
Interval between Packers:	ft			
Tool Length:	94.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5579.00	
HYD S.I. Tool	5.00			5584.00	
HMV	5.00			5589.00	
Jars	5.00			5594.00	
Safety Joint	2.00			5596.00	
Packer	5.00			5601.00	23.00 Bottom Of Top Packer
Packer	5.00			5606.00	
Stubb	1.00			5607.00	
Perforations	5.00			5612.00	
Recorder	0.00	3027	Inside	5612.00	
P.O. Sub	5.00			5617.00	
Perforations	20.00			5637.00	
Blank Spacing	33.00			5670.00	
Recorder	0.00	13278	Outside	5670.00	
Bullnose	2.00			5672.00	71.00 Bottom Packers & Anchor

Total Tool Length: 94.00



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FLUID SUMMARY

Raydon Exploration I
9400 N Broadway Ste. 400
Oklahoma City, OK 73114
ATTN: Ed Grieves

Classen Trust #1-32
32-32S-27W Meade KS
Job Ticket: 13460 DST#: 1
Test Start: 2001.02.28 @ 09:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 6.39
Resistivity: 0.00 ohm.m
Salinity: 0.00 ppm
Filter Cake: 0.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: -999999 deg API
Water Salinity: - ppm
214748364

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100% Drig. mud	0.005

Total Length: 1.00 ft Total Volume: bbl

Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #: 3027
Laboratory Name: Caraway Laboratory Location: Liberal, KS
Recovery Comments:



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GAS RATES

Raydon Exploration I

Classen Trust #1-32

9400 N Broadway Ste. 400
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Job Ticket: 13460

DST#: 1

ATTN: Ed Grieves

Test Start: 2001.02.28 @ 09:00:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (kPaa)	Gas Rate (Mcf/d)
1	15	0.50	13.00	184.83
1	15	0.50	13.00	184.83
1	20	0.75	7.00	334.26
1	30	0.75	9.00	365.50
2	5	0.75	8.00	349.88
2	10	0.75	7.00	334.26
2	15	0.75	6.00	318.64
2	20	0.75	5.00	303.02
2	30	0.75	5.00	303.02
2	40	0.75	5.00	303.02
2	50	0.75	5.00	303.02

NATURAL GAS ANALYSIS REPORT

Sampled by:

Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:

Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number: 20011101

Analyzed: 03/03/01

Sample From: Classen Trust 1-32 DST 1

Pressure:

Producer: Raydon Exploration

Temperature:

Date: Location: 32-32-27

Time:

County: Meade

Sampler: Mike Colantonio

State: Kansas

Source:

Formation: Morr/Ches

	Mole %	GPM
Helium	He: 0.086	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 0.830	0.000
Carbon Dioxide	CO2: 0.107	0.000
Methane	C1: 89.714	0.000
Ethane	C2: 4.688	1.254
Propane	C3: 2.124	0.585
Iso Butane	iC4: 0.329	0.108
Normal Butane	nC4: 0.681	0.215
Iso Pentane	iC5: 0.233	0.085
Normal Pentane	nC5: 0.261	0.095
Hexanes Plus	C6+: 0.947	0.413

TOTAL: 100.000 2.754

Z Fact: 0.9973

SP.GR.: 0.6528

BTU (SAT): 1129.5 @ 14.73 psia

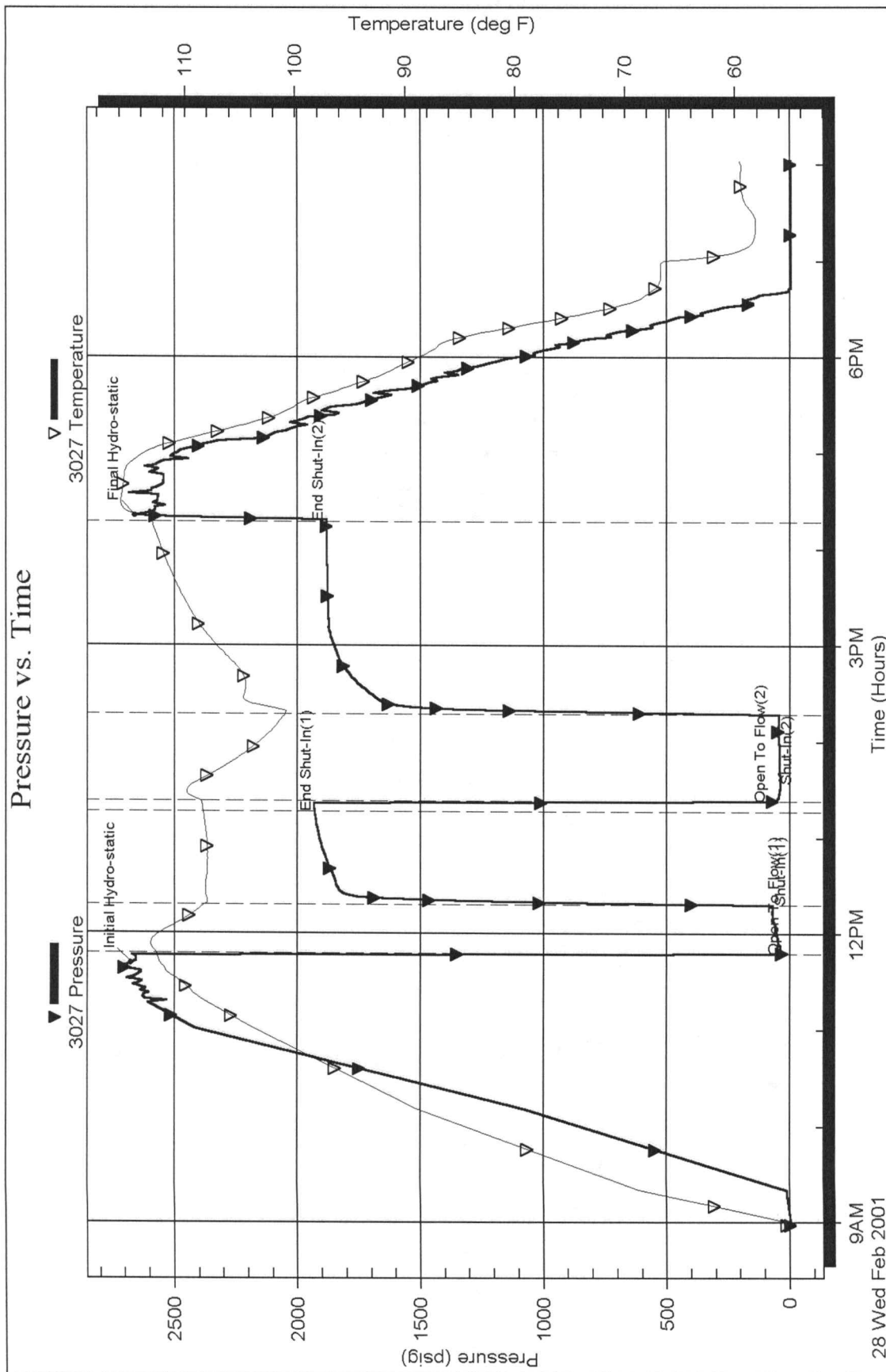
BTU (DRY): 1149.5 @ 14.73 psia

OCTANE RATING: 124.9

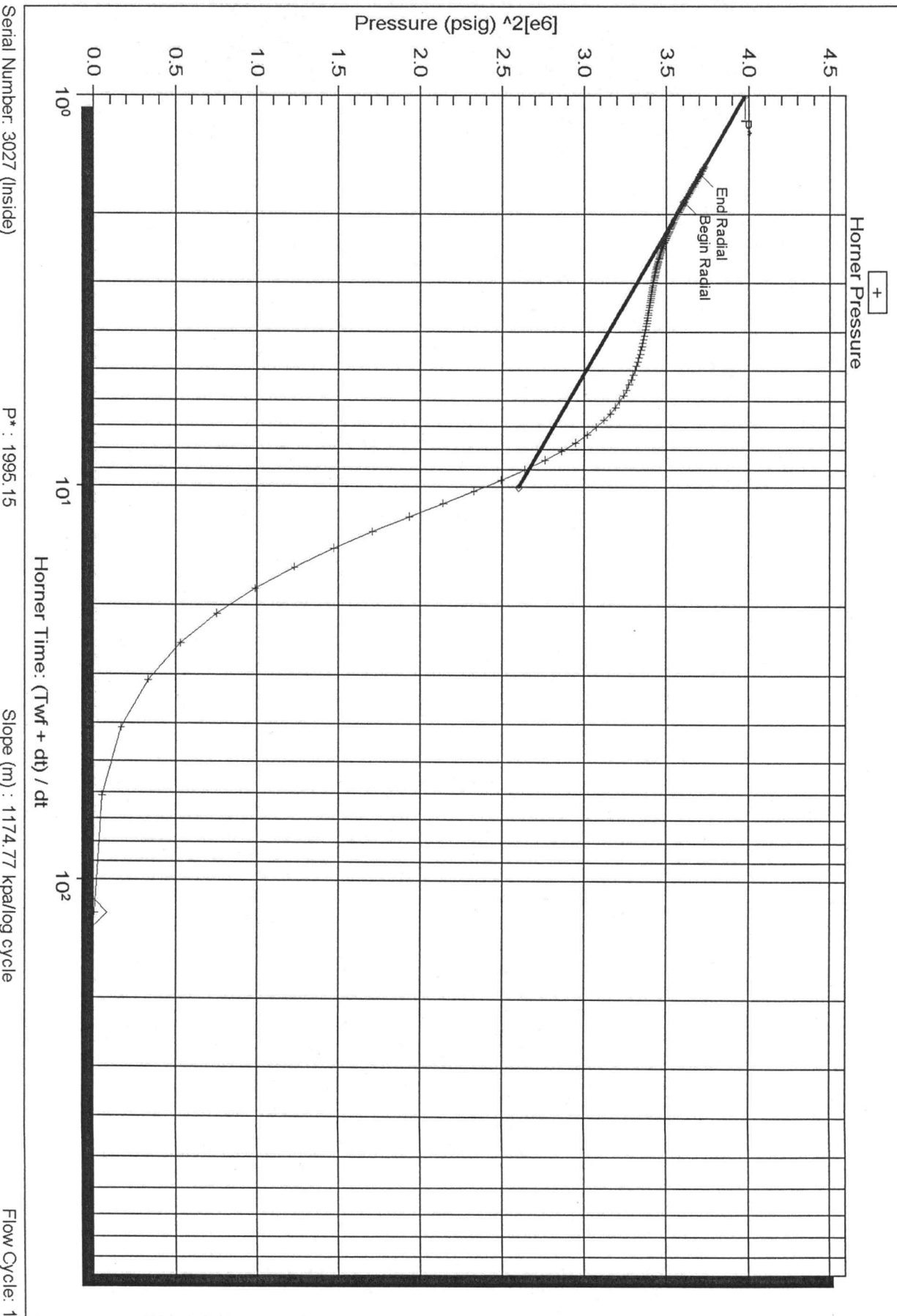
COMMENTS:

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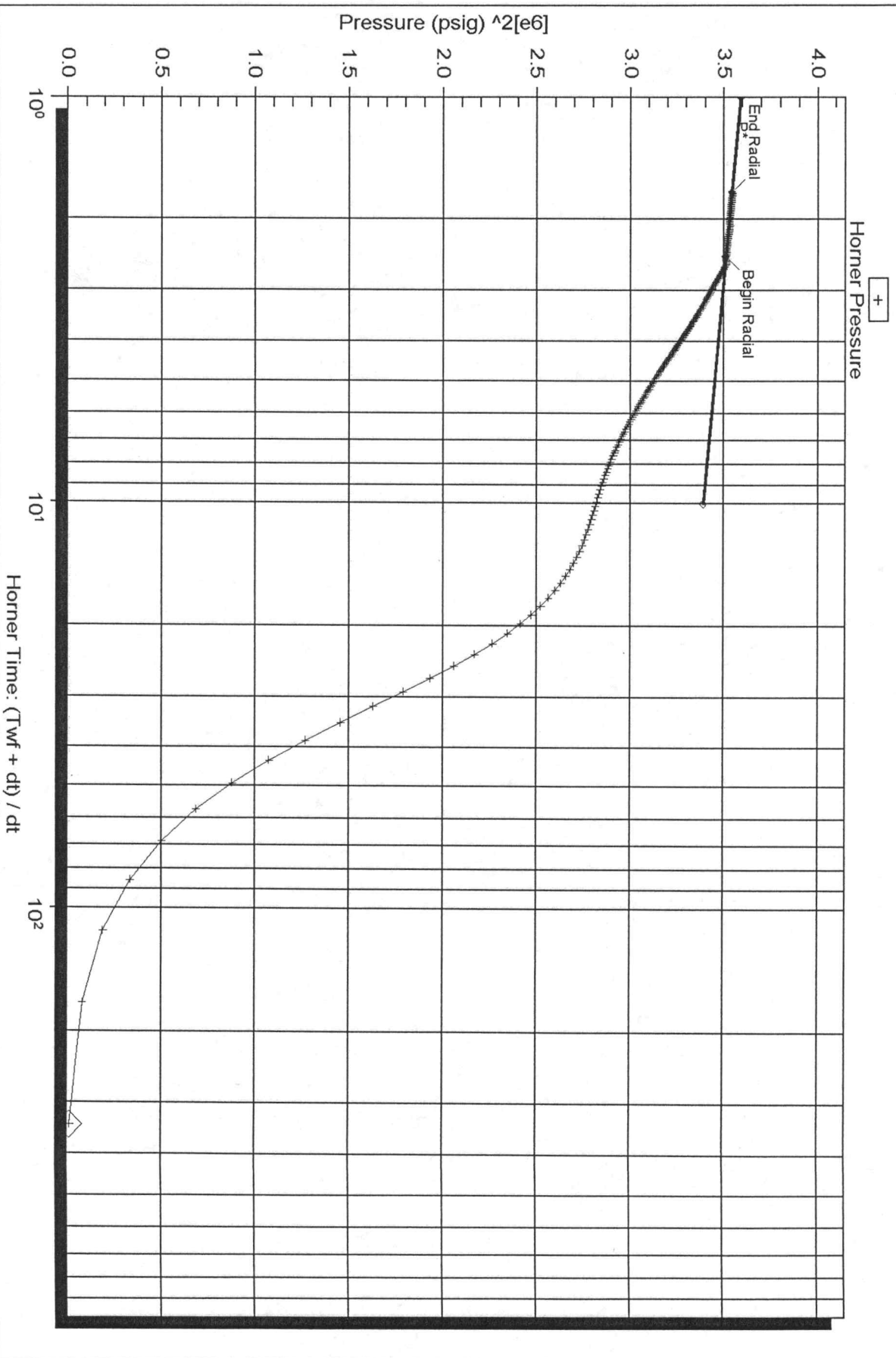
Pressure vs. Time



Horner Plot



Horner Plot



Serial Number: 3027 (inside)

Flow Cycle: 2