



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market St Ste 300  
Wichita KS 67202

ATTN: Flip Phillips

**32 14S 21W Trego KS**

**Maier-Schmidt Unit #1-32**

Start Date: 2007.02.26 @ 14:15:28

End Date: 2007.02.26 @ 21:48:58

Job Ticket #: 28177                      DST #: 1

**KCC**  
**MAY 22 2007**  
**CONFIDENTIAL**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Pintail Petroleum


Maier-Schmidt Unit #1-32

32 14S 21W Trego KS

DST # 1

Ft. Scott-Cherokee B

2007.02.26

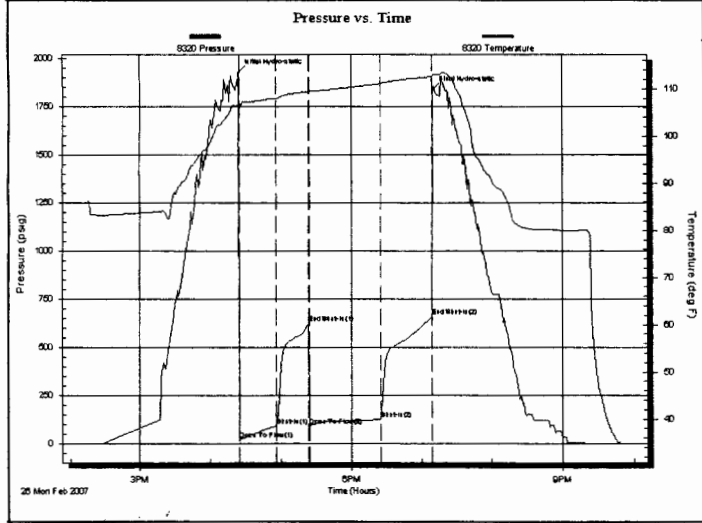
	<b>DRILL STEM TEST REPORT</b>	
	Pintail Petroleum 225 N Market St Ste 300 Wichita KS 67202  ATTN: Flip Phillips	<b>Maier-Schmidt Unit #1-32</b>  <b>32 14S 21W Trego KS</b> Job Ticket: 28177 <b>DST#: 1</b> Test Start: 2007.02.26 @ 14:15:28

**GENERAL INFORMATION:**

Formation: <b>Ft. Scott-Cherokee B</b>	Test Type: Conventional Bottom Hole
Deviated: No Whipstock: ft (KB)	Tester: Tyson Flax
Time Tool Opened: 16:24:38	Unit No: 21
Time Test Ended: 21:48:58	Reference Elevations: 2056.00 ft (KB)
Interval: <b>3856.00 ft (KB) To 3916.00 ft (KB) (TVD)</b>	2051.00 ft (CF)
Total Depth: 3916.00 ft (KB) (TVD)	KB to GR/CF: 5.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Good

<b>Serial #: 8320</b>	<b>Inside</b>		
Press@RunDepth: 125.57 psig @ 3863.00 ft (KB)	Capacity: 7000.00 psig		
Start Date: 2007.02.26	End Date: 2007.02.26	Last Calib.: 2007.02.26	
Start Time: 14:15:30	End Time: 21:48:58	Time On Btm: 2007.02.26 @ 16:24:17	
		Time Off Btm: 2007.02.26 @ 19:09:48	

**TEST COMMENT:** IFP Weak surface blow built to 6  
 ISI No blow back  
 FFP BOB in 36 min  
 FSI Weak surface blow back died in 15 min



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1923.91	106.54	Initial Hydro-static
1	21.47	106.24	Open To Flow (1)
32	90.57	107.95	Shut-In(1)
60	625.08	109.45	End Shut-In(1)
61	92.67	109.44	Open To Flow(2)
121	125.57	111.14	Shut-In(2)
165	659.47	112.58	End Shut-In(2)
166	1837.37	112.87	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	248" GIP	0.00
62.00	GMCO 20%G 50%O 30%M	0.30
216.00	GMCO 10%G 70%O 20%M	1.34
32.00	CO	0.45

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
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**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Pintail Petroleum  
225 N Market St Ste 300  
Wichita KS 67202  
ATTN: Flip Phillips

**Maier-Schmidt Unit #1-32**  
**32 14S 21W Trego KS**  
Job Ticket: 28177      **DST#: 1**  
Test Start: 2007.02.26 @ 14:15:28

**Tool Information**

Drill Pipe:	Length: 3610.00 ft	Diameter: 3.82 inches	Volume: 51.17 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	54000.00 lb
			<u>Total Volume: 52.39 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3856.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	88.00 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			3829.00	
Shut In Tool	5.00			3834.00	
Hydraulic tool	5.00			3839.00	
Jars	5.00			3844.00	
Safety Joint	2.00			3846.00	
Packer	5.00			3851.00	28.00      Bottom Of Top Packer
Packer	5.00			3856.00	
Stubb	1.00			3857.00	
Perforations	5.00			3862.00	
Change Over Sub	1.00			3863.00	
Recorder	0.00	8320	Inside	3863.00	
Blank Spacing	31.00			3894.00	
Change Over Sub	1.00			3895.00	
Perforations	18.00			3913.00	
Recorder	0.00	3351	Inside	3913.00	
Bullnose	3.00			3916.00	60.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>88.00</b>				



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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Pintail Petroleum  
225 N Market St Ste 300  
Wichita KS 67202  
ATTN: Flip Phillips

**Maier-Schmidt Unit #1-32**  
**32 14S 21W Trego KS**  
Job Ticket: 28177      **DST#: 1**  
Test Start: 2007.02.26 @ 14:15:28

**Mud and Cushion Information**

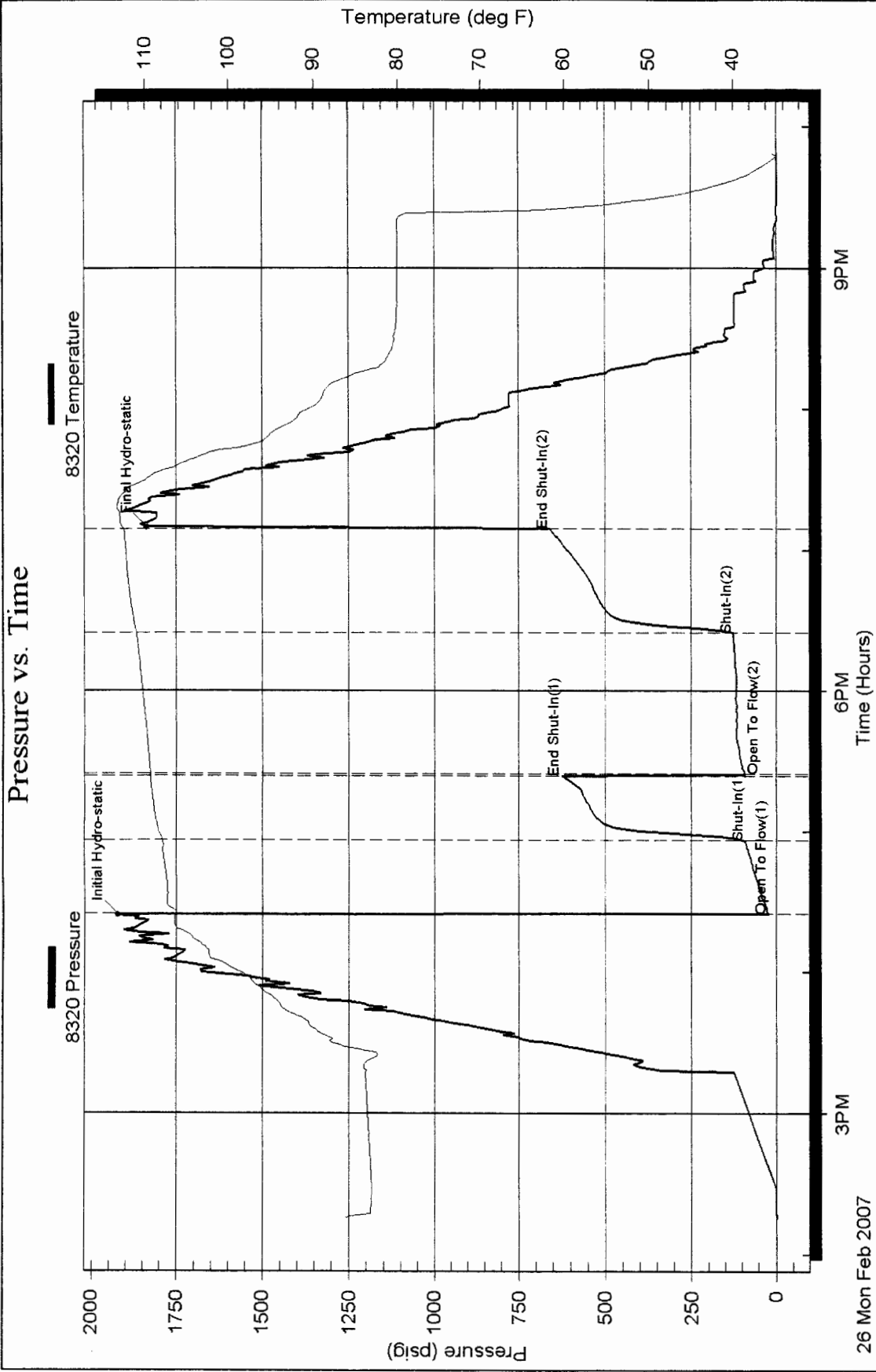
Mud Type: Gel Chem	Cushion Type:	Oil API: 41 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: inches		

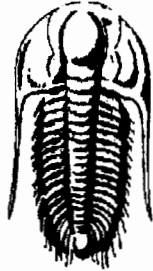
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
0.00	248' GIP	0.000
62.00	GMCO 20%G 50%O 30%M	0.305
216.00	GMCO 10%G 70%O 20%M	1.340
32.00	CO	0.454

Total Length: 310.00 ft      Total Volume: 2.117 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum LTD**

225 N Market Ste 300  
Wichita KS 67202

ATTN: Flip Phillips

**30 14S 21W Trego KS**

**Schmidt RP #3-30**

Start Date: 2007.02.11 @ 17:56:39

End Date: 2007.02.12 @ 01:43:03

Job Ticket #: 28208                      DST #: 1

**KCC  
MAY 15 2007  
CONFIDENTIAL**

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

Pintail Petroleum LTD

Schmidt RP #3-30

30 14S 21W Trego KS

DST # 1

FT Scott-Cher Sd

2007.02.11



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Pntail Petroleum LTD  
225 N Market Ste 300  
Wichita KS 67202  
ATTN: Flip Phillips

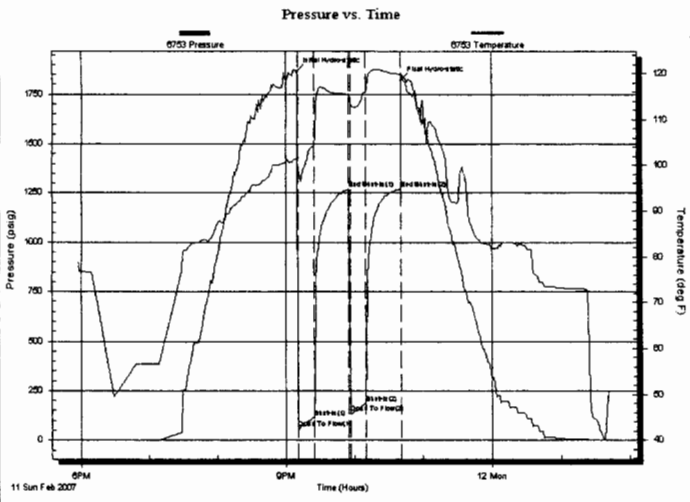
**Schmidt RP #3-30**  
**30 14S 21W Trego KS**  
Job Ticket: 28208      **DST#: 1**  
Test Start: 2007.02.11 @ 17:56:39

## GENERAL INFORMATION:

Formation: **FT Scott-Cher Sd**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 21:10:34  
Time Test Ended: 01:43:03  
Test Type: Conventional Bottom Hole  
Tester: Ray Schwager  
Unit No: 28  
Interval: **3870.00 ft (KB) To 3940.00 ft (KB) (TVD)**  
Reference Elevations: 2068.00 ft (KB)  
Total Depth: 3940.00 ft (KB) (TVD)      2062.00 ft (CF)  
Hole Diameter: 7.85 inches Hole Condition: Poor      KB to GR/CF: 6.00 ft

**Serial #: 6753      Inside**  
Press@RunDepth: 187.20 psig @ 3875.02 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2007.02.11      End Date: 2007.02.12      Last Calib.: 2007.02.12  
Start Time: 17:56:39      End Time: 01:43:03      Time On Btm: 2007.02.11 @ 21:10:04  
Time Off Btm: 2007.02.11 @ 22:41:33

TEST COMMENT: IFP Strg bl in 3 min  
FFP Strg bl in 3 min  
ISIP 4 " bl bk  
FSIP 6 " bl bk      Time 15 30 15 30



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1864.62	101.42	Initial Hydro-static
1	57.94	98.96	Open To Flow (1)
15	114.93	104.16	Shut-In(1)
46	1270.41	115.52	End Shut-In(1)
47	135.66	113.58	Open To Flow (2)
60	187.20	115.86	Shut-In(2)
91	1271.30	119.82	End Shut-In(2)
92	1821.05	120.16	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
40.00	VHO&GCM 10%G 40%O 50%M	0.69
124.00	MGO 15%G 55%O 30%M	2.13
186.00	CO	3.20
62.00	MGO 25%G 70%O 5%M	1.07
0.00	825' GIP	0.00

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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**TOOL DIAGRAM**

Pintail Petroleum LTD  
225 N Market Ste 300  
Wichita KS 67202  
ATTN: Flip Phillips

**Schmidt RP #3-30**  
**30 14S 21W Trego KS**  
Job Ticket: 28208      **DST#: 1**  
Test Start: 2007.02.11 @ 17:56:39

**Tool Information**

Drill Pipe:	Length: 3860.00 ft	Diameter: 4.21 inches	Volume: 66.46 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 66.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3870.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.02 ft			
Tool Length:	98.02 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			3843.00	
Shut In Tool	5.00			3848.00	
Hydraulic tool	5.00			3853.00	
Jars	5.00			3858.00	
Safety Joint	2.00			3860.00	
Packer	5.00			3865.00	28.00      Bottom Of Top Packer
Packer	5.00			3870.00	
Stubb	1.00			3871.00	
Recorder	0.01	13534	Outside	3871.01	
Perforations	4.00			3875.01	
Recorder	0.01	6753	Inside	3875.02	
Blank Spacing	62.00			3937.02	
Bullnose	3.00			3940.02	70.02      Bottom Packers & Anchor

**Total Tool Length: 98.02**



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**Schmidt RP #3-30**

**30 14S 21W Trego KS**

Job Ticket: 28208

**DST#: 1**

Test Start: 2007.02.11 @ 17:56:39

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 42.00 sec/qt

Water Loss: 11.16 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 8300.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 39 deg API

Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	VHO&GCM 10%G 40%O 50%M	0.689
124.00	MGO 15%G 55%O 30%M	2.135
186.00	CO	3.202
62.00	MGO 25%G 70%O 5%M	1.067
0.00	825' GIP	0.000

Total Length: 412.00 ft      Total Volume: 7.093 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

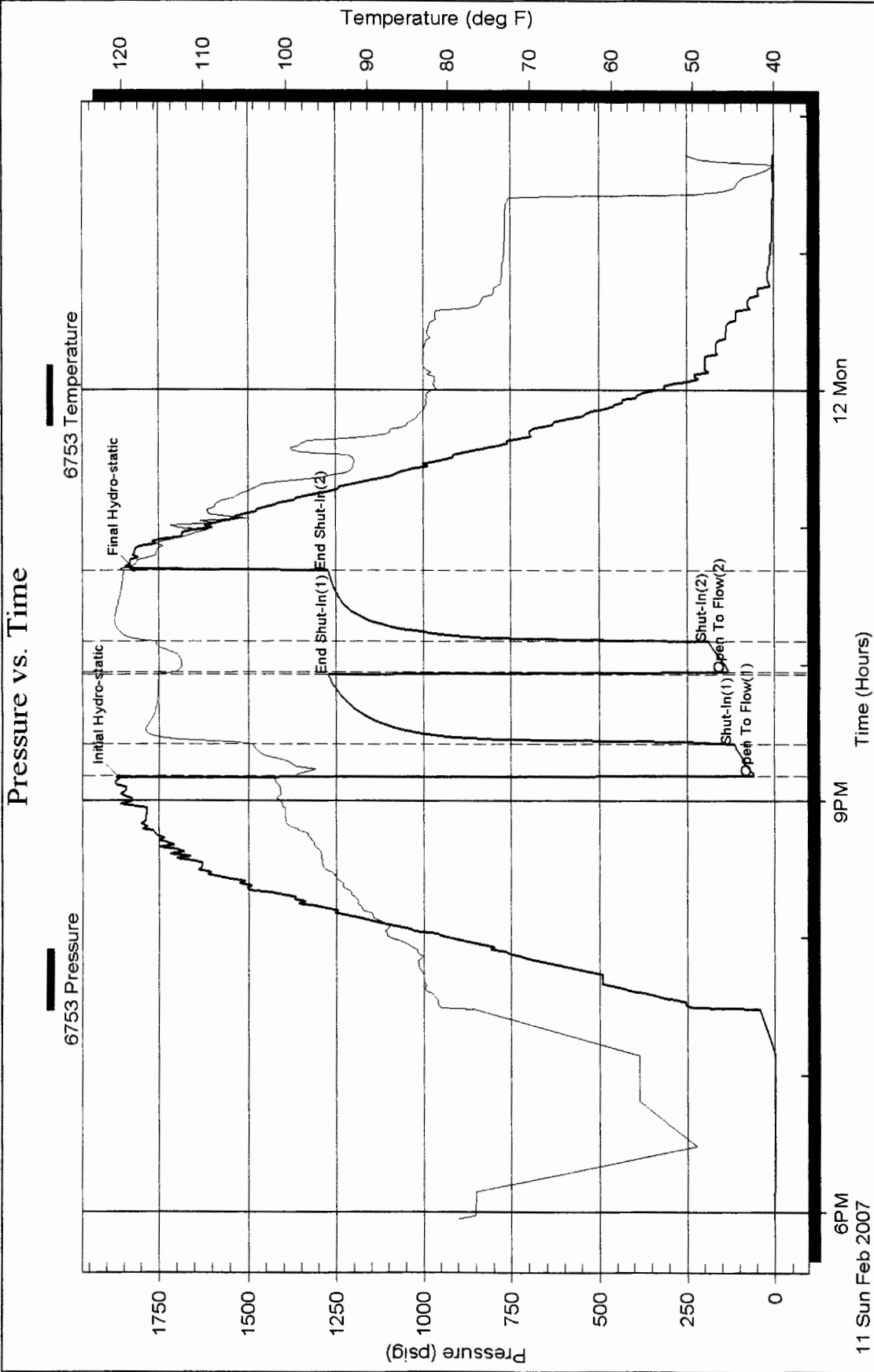
Inside

Final Petroleum LTD

30 14S 21W Trego KS

DST Test Number: 1

### Pressure vs. Time



11 Sun Feb 2007 6PM