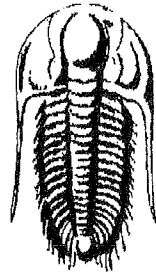


15-135-24594

21-20s-23w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

21 20 23 Ness KS

Bechtold "DB" 2-21

Start Date: 2007.01.15 @ 23:50:34

End Date: 2007.01.16 @ 06:16:43

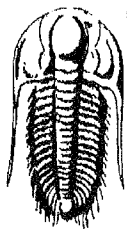
Job Ticket #: 26406 DST #: 1

KCC
MAR 11 2007
CONFIDENTIAL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Pintail Petroleum

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Bechtold "DB" 2-21

21 20 23 Ness KS

Job Ticket: 26406

DST#: 1

Test Start: 2007.01.15 @ 23:50:34

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:12:44

Time Test Ended: 06:16:43

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4293.00 ft (KB) To 4340.00 ft (KB) (TVD)**

Total Depth: 4340.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2244.00 ft (KB)

2239.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 27.11 psig @ 4294.00 ft (KB)

Start Date: 2007.01.15

End Date: 2007.01.16

Start Time: 23:50:34

End Time: 06:16:43

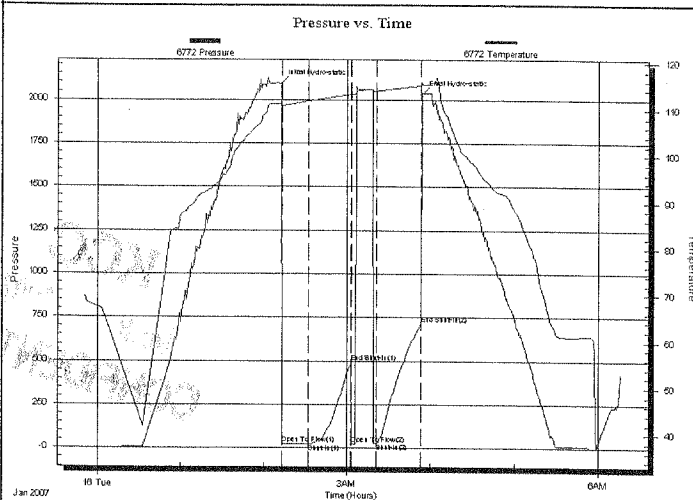
Capacity: 7000.00 psig

Last Calib.: 2007.01.16

Time On Btm: 2007.01.16 @ 02:12:29

Time Off Btm: 2007.01.16 @ 03:53:44

TEST COMMENT: IF 1/4 blow built to 1/2 died in 18 min.
IS No return
FF No blow Flushed tool weak surface blow
FS No return



PRESSURE SUMMARY

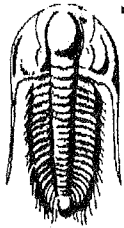
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2090.32	111.28	Initial Hydro-static
1	22.95	110.80	Open To Flow (1)
20	23.94	111.80	Shut-In (1)
51	493.25	113.25	End Shut-In (1)
51	24.92	113.18	Open To Flow (2)
69	27.11	113.95	Shut-In (2)
101	712.14	115.15	End Shut-In (2)
102	2029.31	115.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud some Oil spots 100%M	0.14

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

Bechtold "DB" 2-21

225 N Market Ste 300
Wichita KS 67202

21 20 23 Ness KS

Job Ticket: 26406

DST#: 1

ATTN: Flip Phillips

Test Start: 2007.01.15 @ 23:50:34

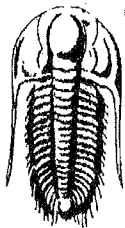
Tool Information

Drill Pipe:	Length: 4299.00 ft	Diameter: 3.80 inches	Volume: 60.30 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	60.30 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4293.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4267.00	
Shut In Tool	5.00			4272.00	
Hydraulic tool	5.00			4277.00	
Jars	5.00			4282.00	
Safety Joint	2.00			4284.00	
Packer	5.00			4289.00	27.00 Bottom Of Top Packer
Packer	4.00			4293.00	
Stubb	1.00			4294.00	
Recorder	0.00	6772	Inside	4294.00	
Perforations	8.00			4302.00	
Change Over Sub	1.00			4303.00	
Drill Pipe	31.00			4334.00	
Change Over Sub	1.00			4335.00	
Recorder	0.00	7437	Outside	4335.00	
Bullnose	5.00			4340.00	47.00 Bottom Packers & Anchor

Total Tool Length: 74.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

Bechtold "DB" 2-21

225 N Market Ste 300
Wichita KS 67202

21 20 23 Ness KS

Job Ticket: 26406

DST#: 1

ATTN: Flip Phillips

Test Start: 2007.01.15 @ 23:50:34

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud some Oil spots 100%M	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

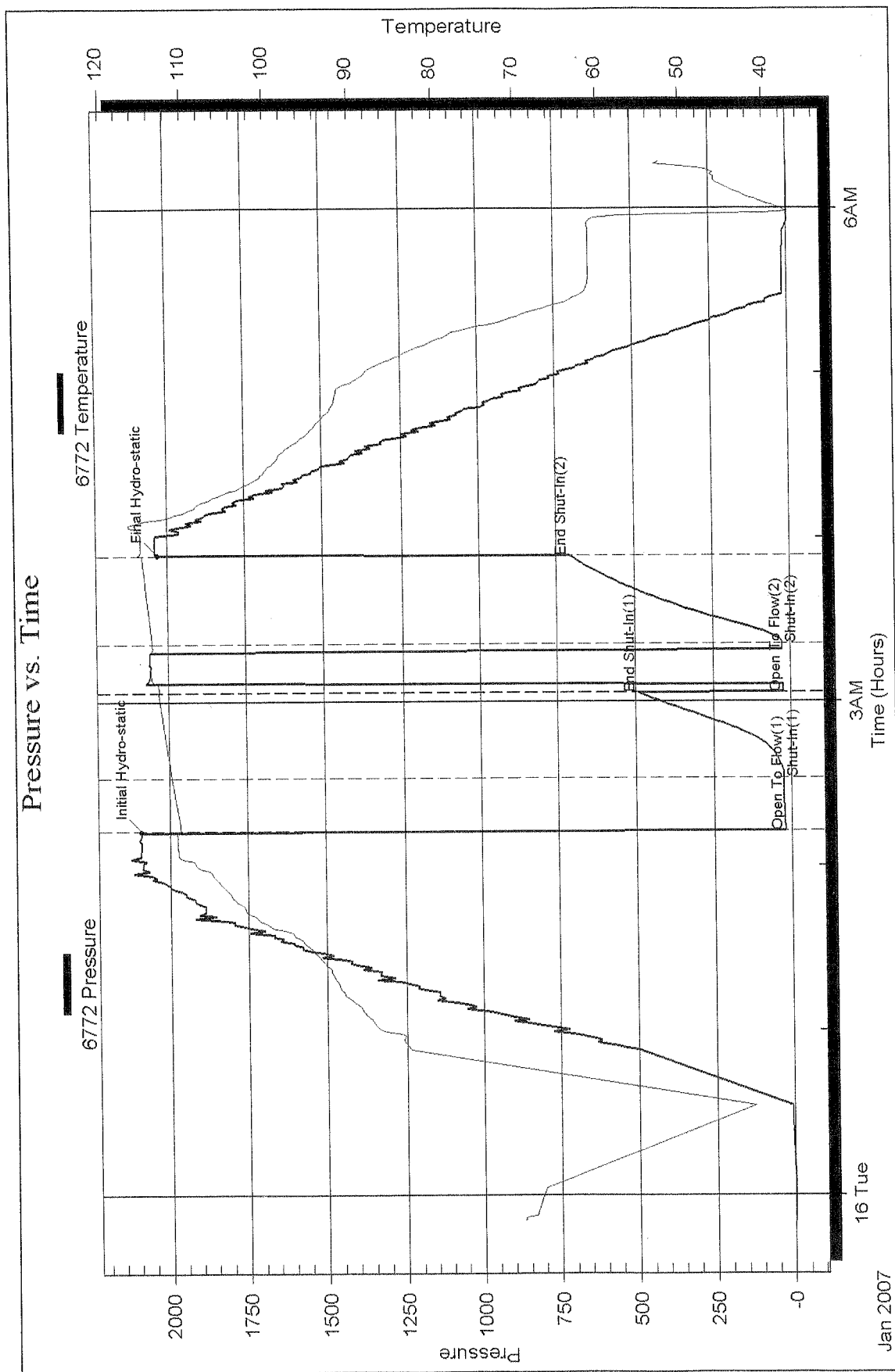
21 20 23 Ness KS

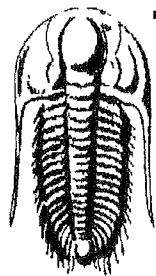
Inside Pintail Petroleum

Serial #: 6772

16 Tue Jan 2007

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

21 20 23 Ness KS

Bechtold "DB" 2-21

Start Date: 2007.01.16 @ 15:35:43

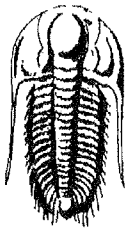
End Date: 2007.01.16 @ 20:57:07

Job Ticket #: 26407 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Pintail Petroleum

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Bechtold "DB" 2-21

21 20 23 Ness KS

Job Ticket: 26407

DST#: 2

Test Start: 2007.01.16 @ 15:35:43

GENERAL INFORMATION:

Formation: **Cherokee sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:19:23

Time Test Ended: 20:57:07

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4292.00 ft (KB) To 4350.00 ft (KB) (TVD)**

Total Depth: 4340.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2244.00 ft (KB)

2239.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 18.96 psig @ 4293.00 ft (KB)

Start Date: 2007.01.16

End Date: 2007.01.16

Start Time: 15:35:43

End Time: 20:57:07

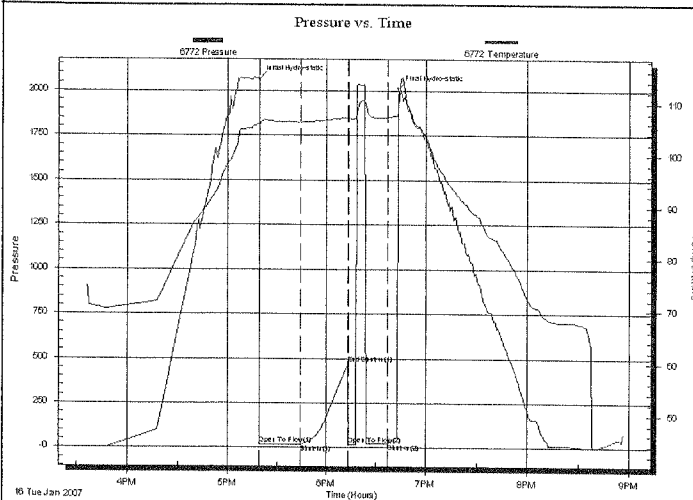
Capacity: 7000.00 psig

Last Calib.: 2007.01.16

Time On Btm: 2007.01.16 @ 17:19:08

Time Off Btm: 2007.01.16 @ 18:43:38

TEST COMMENT: IF 1/4 blow built to 1/2 died in 24 min.
IS No return
FF Surface blow died in 3 min. Flushed tool surface blow died in 8 min.



PRESSURE SUMMARY

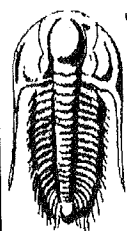
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2067.23	106.06	Initial Hydro-static
1	17.72	105.80	Open To Flow (1)
25	18.96	106.36	Shut-In(1)
55	472.42	107.25	End Shut-In(1)
55	20.08	107.10	Open To Flow(2)
79	23.07	107.29	Shut-In(2)
85	2013.12	108.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100%m	0.21

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Bechtold "DB" 2-21

21 20 23 Ness KS

Job Ticket: 26407

DST#: 2

Test Start: 2007.01.16 @ 15:35:43

Tool Information

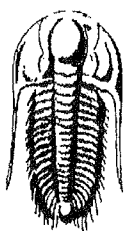
Drill Pipe:	Length: 4298.00 ft	Diameter: 3.80 inches	Volume: 60.29 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 60.29 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4292.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4266.00	
Shut In Tool	5.00			4271.00	
Hydraulic tool	5.00			4276.00	
Jars	5.00			4281.00	
Safety Joint	2.00			4283.00	
Packer	5.00			4288.00	27.00 Bottom Of Top Packer
Packer	4.00			4292.00	
Stubb	1.00			4293.00	
Recorder	0.00	6772	Inside	4293.00	
Perforations	19.00			4312.00	
Change Over Sub	1.00			4313.00	
Drill Pipe	31.00			4344.00	
Change Over Sub	1.00			4345.00	
Recorder	0.00	7437	Outside	4345.00	
Bullnose	5.00			4350.00	58.00 Bottom Packers & Anchor

Total Tool Length: 85.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

Bechtold "DB" 2-21

225 N Market Ste 300
Wichita KS 67202

21 20 23 Ness KS

ATTN: Flip Phillips

Job Ticket: 26407

DST#: 2

Test Start: 2007.01.16 @ 15:35:43

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.97 in³

Resistivity: 0.00 ohm.m

Salinity: 5200.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

0 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100%m	0.210

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

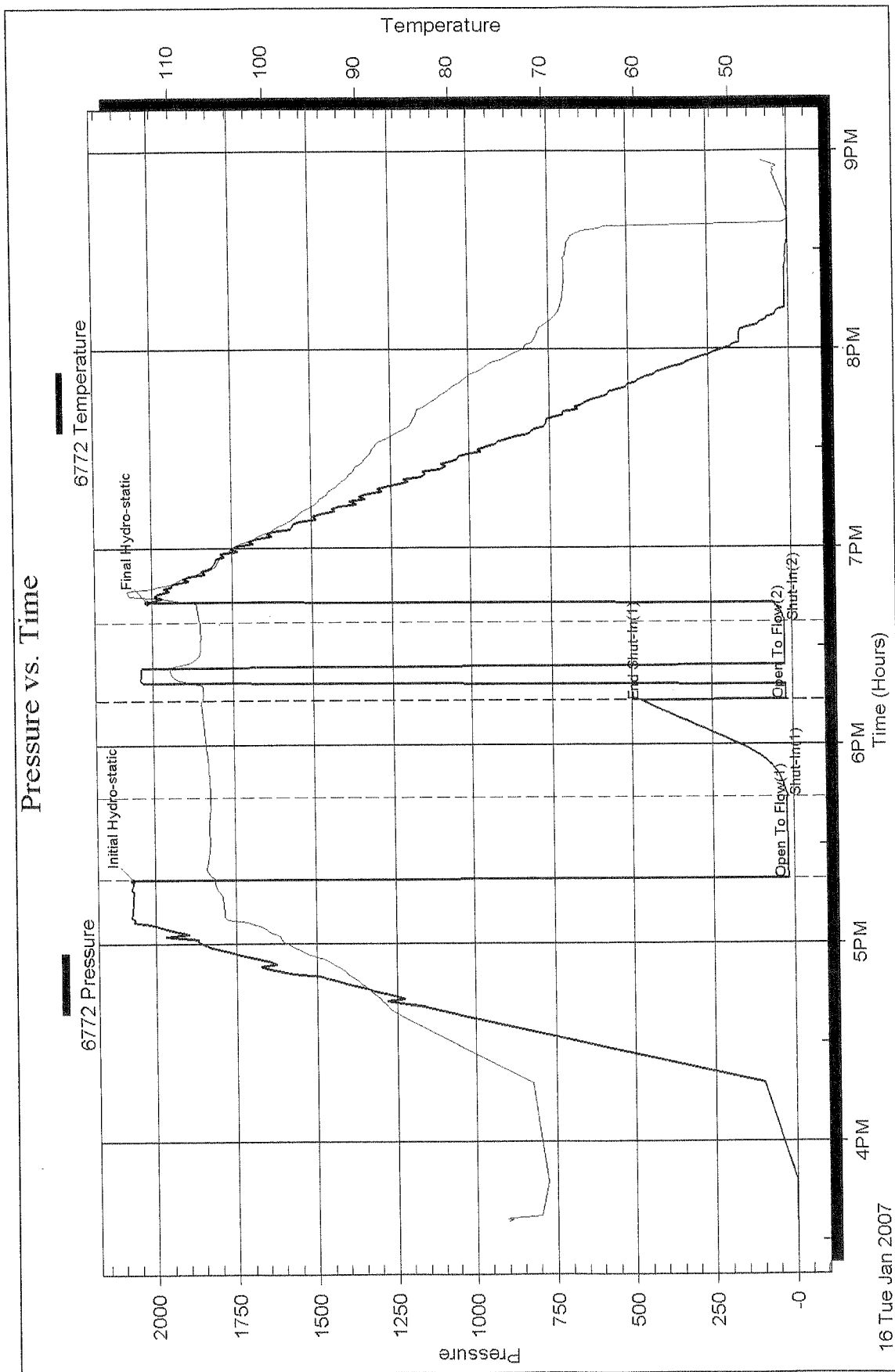
DST Test Number: 2

21 20 23 Ness KS

Inside Pintail Petroleum

Serial #: 6772

Pressure vs. Time



Ref. No: 26407

Trilobite Testing, Inc