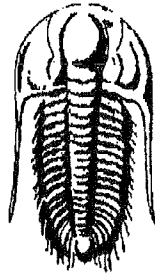


15-135-24581

36-18s-25w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

36 18S 25 Ness KS

Dick Horchem 2-36

Start Date: 2006.12.17 @ 07:34:30

End Date: 2006.12.17 @ 13:42:39

Job Ticket #: 25549

DST #: 1

KCC
APR 04 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

Dick Horchem 2-36

36 18S 25 Ness KS

Job Ticket: 25549

DST#: 1

Test Start: 2006.12.17 @ 07:34:30

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:36:10

Time Test Ended: 13:42:39

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4258.00 ft (KB) To 4318.00 ft (KB) (TVD)**

Total Depth: 4318.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2386.00 ft (KB)

2381.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 60.86 psig @ 4259.00 ft (KB)

Start Date: 2006.12.17

End Date:

2006.12.17

Start Time: 07:34:30

End Time:

13:42:39

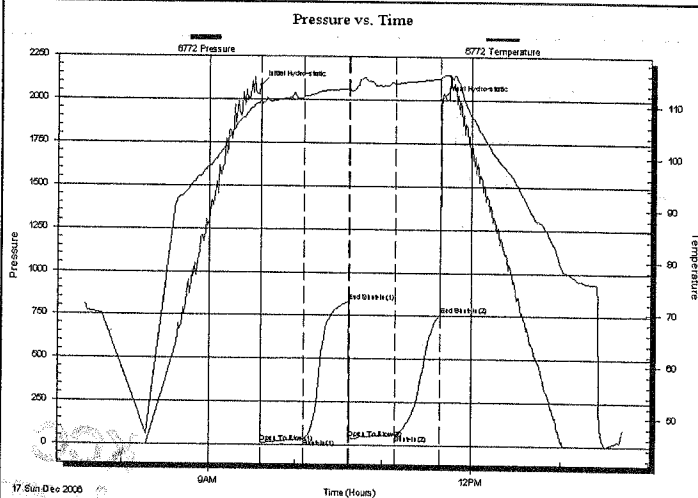
Capacity: 7000.00 psig

Last Calib.: 2006.12.17

Time On Btm: 2006.12.17 @ 09:35:55

Time Off Btm: 2006.12.17 @ 11:39:25

TEST COMMENT: IF 1/4 blow built to 1 died in 28 min.
IS No return
FF No blow Flushed tool 1/4 blow died in 6 min.
FS No return



PRESSURE SUMMARY

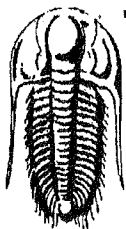
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2080.21	110.82	Initial Hydro-static
1	12.62	109.55	Open To Flow (1)
30	34.35	111.74	Shut-In(1)
61	832.33	113.22	End Shut-In(1)
62	38.91	113.19	Open To Flow (2)
93	60.86	114.26	Shut-In(2)
123	758.08	115.24	End Shut-In(2)
124	2001.74	115.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	100%M	0.42

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

Dick Horchem 2-36
36 18S 25 Ness KS
Job Ticket: 25549 **DST#: 1**
Test Start: 2006.12.17 @ 07:34:30

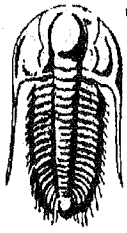
Tool Information

Drill Pipe:	Length: 4130.00 ft	Diameter: 3.80 inches	Volume: 57.93 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: 126.00 ft	Diameter: 2.50 inches	Volume: 0.76 bbl	Weight to Pull Loose:	80000.00 lb
			Total Volume: 58.69 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4258.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	80.00 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			4239.00	
Shut In Tool	5.00			4244.00	
Hydraulic tool	5.00			4249.00	
Packer	5.00			4254.00	20.00 Bottom Of Top Packer
Packer	4.00			4258.00	
Stubb	1.00			4259.00	
Recorder	0.00	6772	Inside	4259.00	
Perforations	21.00			4280.00	
Change Over Sub	1.00			4281.00	
Drill Pipe	31.00			4312.00	
Change Over Sub	1.00			4313.00	
Recorder	0.00	7437	Outside	4313.00	
Bullnose	5.00			4318.00	60.00 Bottom Packers & Anchor

Total Tool Length: 80.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

Dick Horchem 2-36

225 N Market Ste 300
Wichita KS 67202

36 18S 25 Ness KS

ATTN: Flip Phillips

Job Ticket: 25549

DST#: 1

Test Start: 2006.12.17 @ 07:34:30

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: 7.96 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	100%M	0.425

Total Length: 70.00 ft Total Volume: 0.425 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

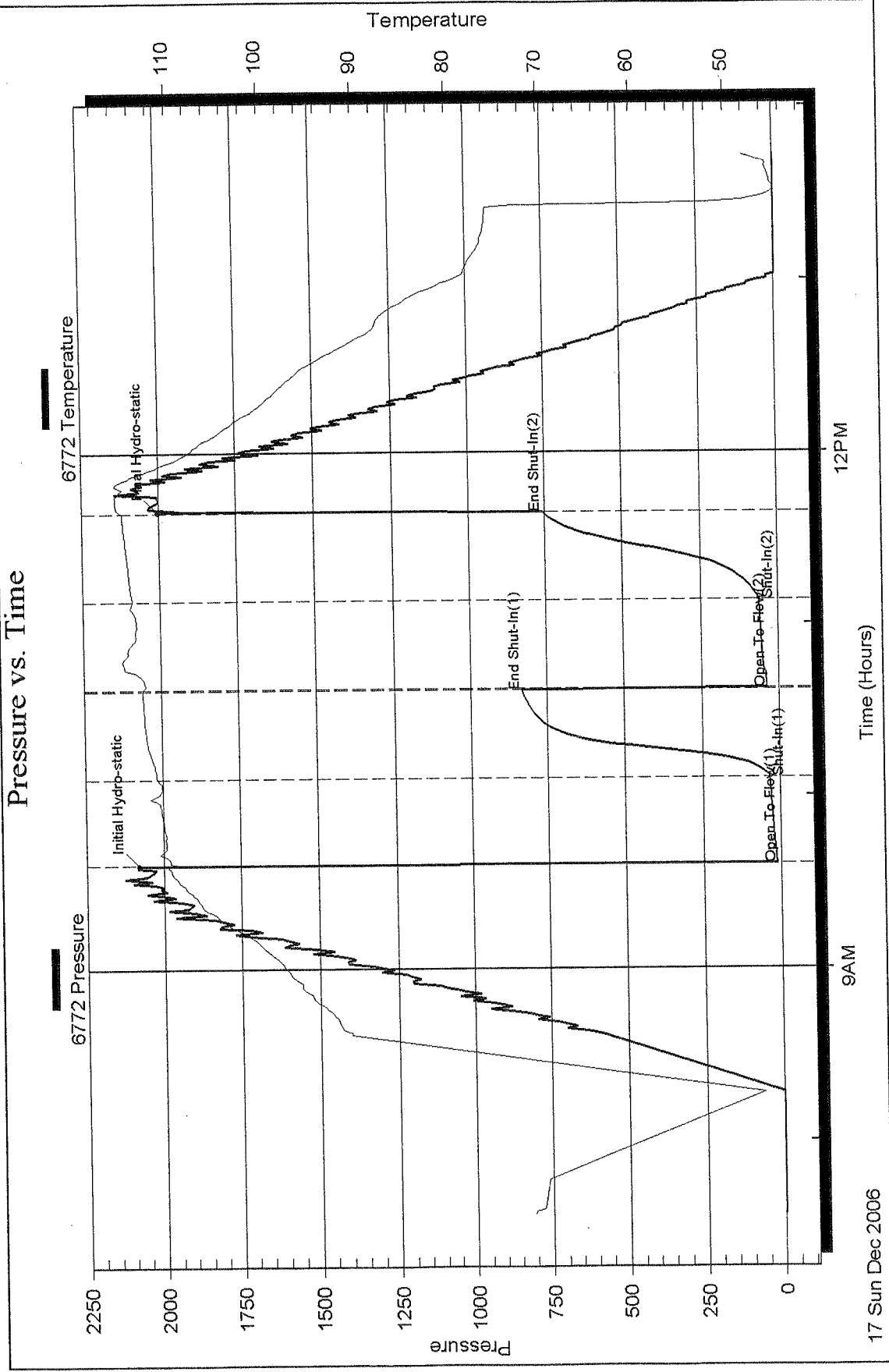
DST Test Number: 1

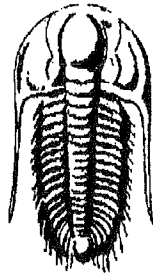
36 18S 25 Ness KS

Inside Fintail Petroleum

Serial #: 6772

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

36 18S 25 Ness KS

Dick Horchem 2-36

Start Date: 2006.12.18 @ 01:22:08

End Date: 2006.12.18 @ 09:27:47

Job Ticket #: 25550

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

Dick Horchem 2-36

36 18S 25 Ness KS

Job Ticket: 25550

DST#: 2

Test Start: 2006.12.18 @ 01:22:08

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:48:48

Time Test Ended: 09:27:47

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4384.00 ft (KB) To 4400.00 ft (KB) (TVD)**

Total Depth: 4400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2386.00 ft (KB)

2381.00 ft (CF)

KB to GRVCF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 142.41 psig @ 4385.00 ft (KB)

Start Date: 2006.12.18

End Date:

2006.12.18

Start Time: 01:22:08

End Time:

09:27:47

Capacity: 7000.00 psig

Last Calib.: 2006.12.18

Time On Btm: 2006.12.18 @ 03:48:33

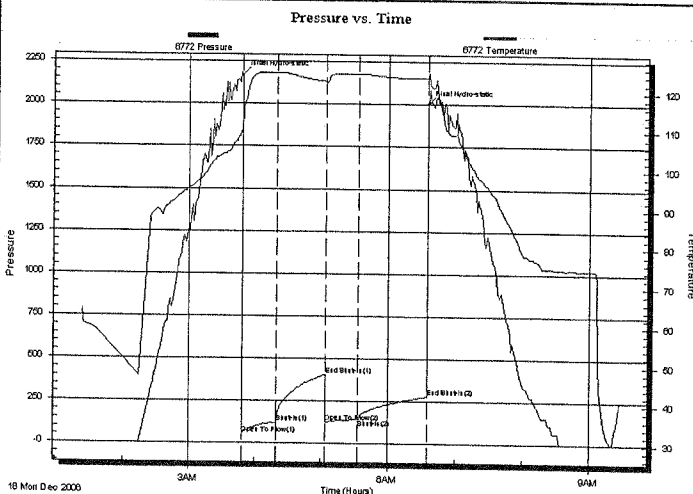
Time Off Btm: 2006.12.18 @ 06:35:17

TEST COMMENT: IF BOB in 4 min.

IS Surface blow built to 1 died in 25 min.

FF Surface blow built to 7 in 30 min.

FS No return



PRESSURE SUMMARY

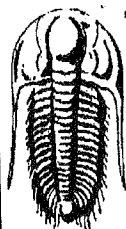
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2169.25	110.22	Initial Hydro-static
1	50.25	109.90	Open To Flow (1)
32	123.49	124.81	Shut-In(1)
76	406.62	122.72	End Shut-In(1)
76	127.33	122.59	Open To Flow(2)
105	142.41	124.55	Shut-In(2)
167	278.47	123.53	End Shut-In(2)
167	2002.05	124.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MCGO 30%G 10%O 60%M	0.38
187.00	GOCM 30%G 50%O 20%M	2.12
124.00	GO 10%G 90%O	1.74

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Dick Horchem 2-36

36 18S 25 Ness KS

Job Ticket: 25550

DST#: 2

Test Start: 2006.12.18 @ 01:22:08

Tool Information

Drill Pipe:	Length: 4257.00 ft	Diameter: 3.80 inches	Volume: 59.71 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: 126.00 ft	Diameter: 2.50 inches	Volume: 0.76 bbl	Weight to Pull Loose:	85000.00 lb
		Total Volume:	60.47 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4384.00 ft			Final	66000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.00 ft				
Tool Length:	36.00 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			4365.00	
Shut In Tool	5.00			4370.00	
Hydraulic tool	5.00			4375.00	
Packer	5.00			4380.00	20.00 Bottom Of Top Packer
Packer	4.00			4384.00	
Stubb	1.00			4385.00	
Recorder	0.00	6772	Inside	4385.00	
Perforations	10.00			4395.00	
Recorder	0.00	7437	Outside	4395.00	
Bullhose	5.00			4400.00	16.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

Dick Horchem 2-36

225 N Market Ste 300
Wichita KS 67202

36 18S 25 Ness KS

ATTN: Flip Phillips

Job Ticket: 25550

DST#: 2

Test Start: 2006.12.18 @ 01:22:08

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.95 in³

Resistivity: 0.00 ohm.m

Salinity: 2000.00 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:

38 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	MCGO 30%G 10%O 60%M	0.382
187.00	GOCM 30%G 50%O 20%M	2.122
124.00	GO 10%G 90%O	1.739

Total Length: 374.00 ft

Total Volume: 4.243 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

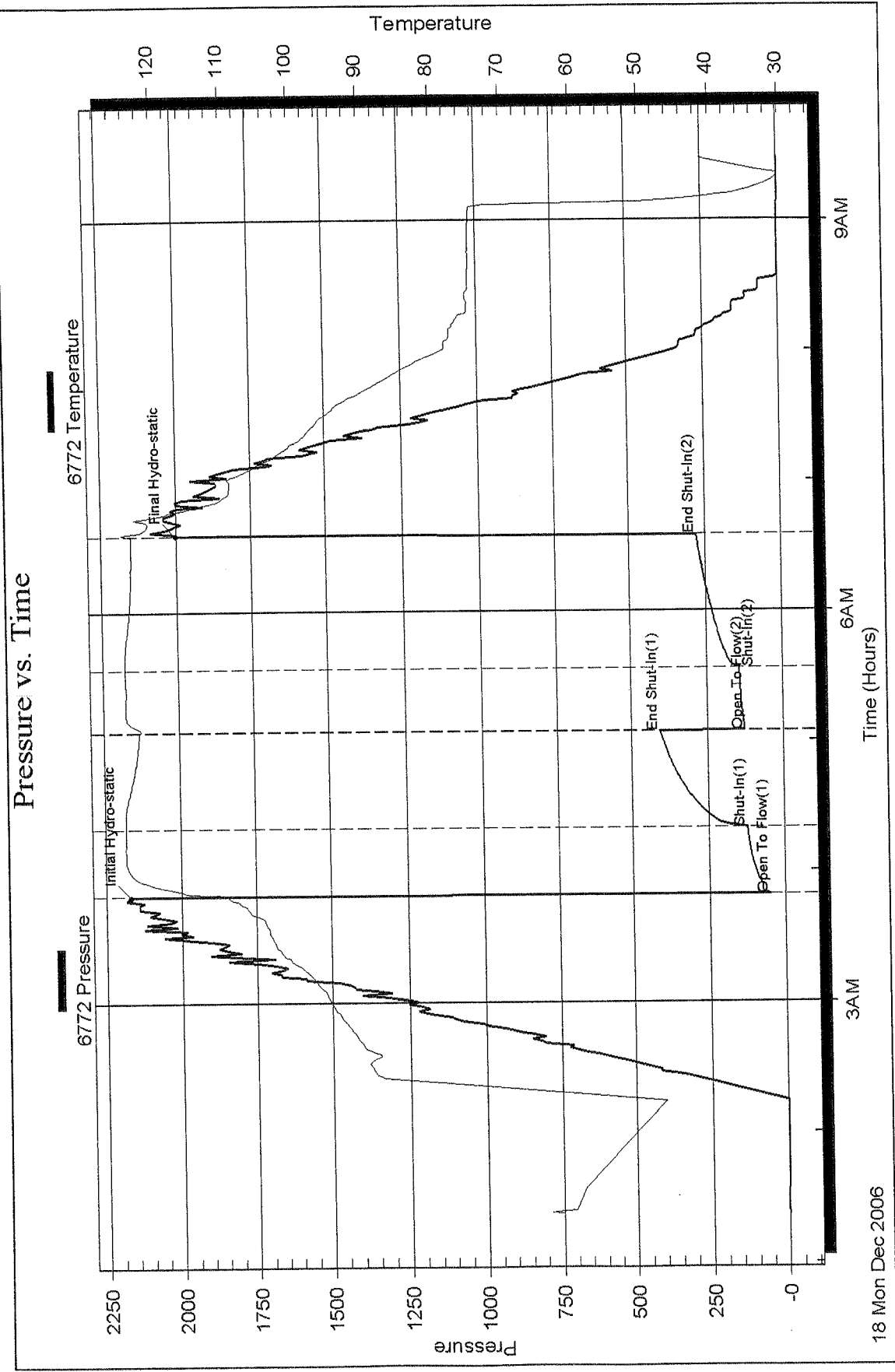
DST Test Number: 2

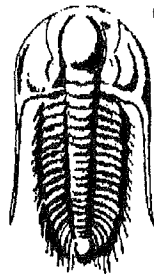
36 18S 25 Ness KS

Inside Pintail Petroleum

Serial #: 6772

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

36 18S 25 Ness KS

Dick Horchem 2-36

Start Date: 2006.12.18 @ 16:00:54

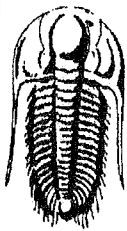
End Date: 2006.12.19 @ 00:59:19

Job Ticket #: 26401 DST #: 3

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

Dick Horchem 2-36

36 18S 25 Ness KS

Job Ticket: 26401

DST#: 3

Test Start: 2006.12.18 @ 16:00:54

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:44:34

Time Test Ended: 00:59:19

Interval: **4404.00 ft (KB) To 4414.00 ft (KB) (TVD)**

Total Depth: 4414.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Reference Elevations: 2386.00 ft (KB)

2381.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 111.10 psig @ 4405.00 ft (KB)

Start Date: 2006.12.18

End Date:

2006.12.19

Start Time: 16:00:54

End Time:

00:59:19

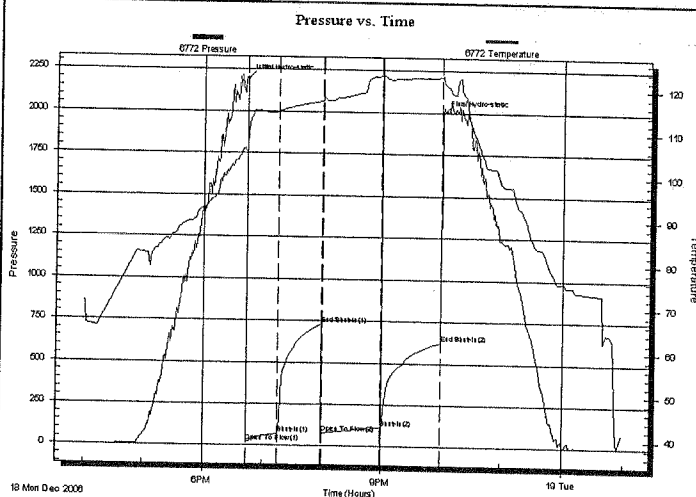
Capacity: 7000.00 psig

Last Calib.: 2006.12.19

Time On Btm: 2006.12.18 @ 18:44:19

Time Off Btm: 2006.12.18 @ 22:00:33

TEST COMMENT: IF 1/4 blow BOB in 22 min.
IS Surface blow built to 3/4 died in 22 min.
FF BOB in 42 min.
FS Surface blow died in 15 min.



PRESSURE SUMMARY

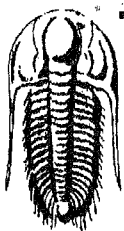
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2195.61	105.56	Initial Hydro-static
1	17.14	106.06	Open To Flow (1)
32	71.30	114.74	Shut-In(1)
75	728.33	117.15	End Shut-In(1)
76	75.72	117.40	Open To Flow (2)
135	111.10	123.03	Shut-In(2)
196	624.84	122.77	End Shut-In(2)
197	1992.44	123.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	GOCM 25%G 5%O 70%M	0.38
63.00	GO 40%G 60%O	0.38
144.00	GO 15%G 85%O	2.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Dick Horchem 2-36

36 18S 25 Ness KS

Job Ticket: 26401

DST#: 3

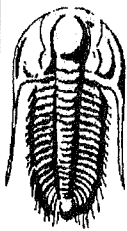
Test Start: 2006.12.18 @ 16:00:54

Tool Information

Drill Pipe:	Length: 4288.00 ft	Diameter: 3.80 inches	Volume: 60.15 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: 126.00 ft	Diameter: 2.50 inches	Volume: 0.76 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	60.91 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4404.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	30.00 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			4385.00	
Shut In Tool	5.00			4390.00	
Hydraulic tool	5.00			4395.00	
Packer	5.00			4400.00	20.00 Bottom Of Top Packer
Packer	4.00			4404.00	
Stubb	1.00			4405.00	
Recorder	0.00	6772	Inside	4405.00	
Perforations	4.00			4409.00	
Recorder	0.00	7437	Outside	4409.00	
Bullnose	5.00			4414.00	10.00 Bottom Packers & Anchor
Total Tool Length:		30.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

Dick Horchem 2-36

225 N Market Ste 300
Wichita KS 67202

36 18S 25 Ness KS

ATTN: Flip Phillips

Job Ticket: 26401

DST#: 3

Test Start: 2006.12.18 @ 16:00:54

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 8.78 in³

Resistivity: 0.00 ohm.m

Salinity: 3600.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

38 deg API

Water Salinity:

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	GOCM 25%G 5%O 70%M	0.382
63.00	GO 40%G 60%O	0.382
144.00	GO 15%G 85%O	2.020

Total Length: 270.00 ft

Total Volume: 2.784 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 3

36 18S 25 Ness KS

Pintail Petroleum

Inside

Serial #: 6772

