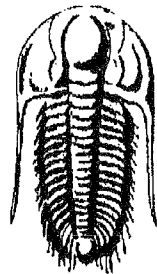


15-135-24882

6-17s-26w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market ste 300
Wichita, KS 67202

CONFIDENTIAL

APR 15 2009

ATTN: Flip Phillips

KCC

6-17-26 Ness, KS

Johnson- Davidson 1-6

Start Date: 2009.03.09 @ 05:04:49

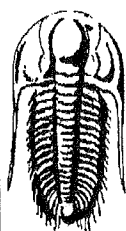
End Date: 2009.03.09 @ 10:27:13

Job Ticket #: 34264 DST #: 1

Trilobite Testing, Inc

PO Box 1733 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

Johnson- Davidson 1-6

6-17-26 Ness, KS

Job Ticket: 34264

DST#: 1

Test Start: 2009.03.09 @ 05:04:49

GENERAL INFORMATION:

Formation: **Lansing K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:50:14

Time Test Ended: 10:27:13

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 4191.00 ft (KB) To 4221.00 ft (KB) (TVD)

Total Depth: 4221.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2647.00 ft (KB)

2642.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 22.25 psig @ 4192.00 ft (KB)

Start Date: 2009.03.09

End Date: 2009.03.09

Start Time: 05:04:49

End Time: 10:27:13

Capacity: 7000.00 psig

Last Calib.: 2009.03.09

Time On Btm: 2009.03.09 @ 06:49:14

Time Off Btm: 2009.03.09 @ 08:49:29

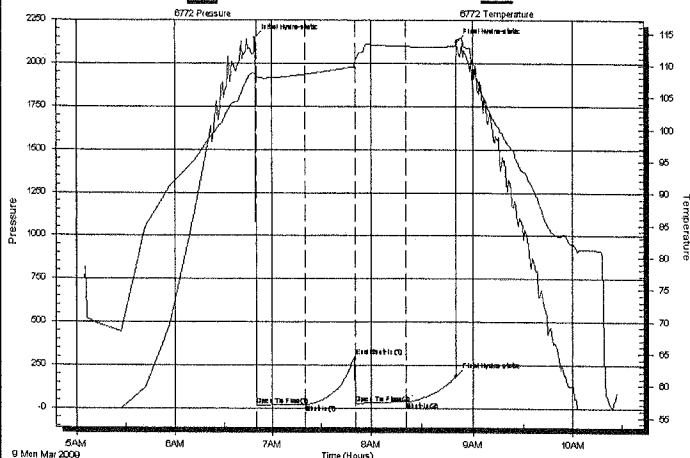
TEST COMMENT: IF: 1/4 blow built to 1/2 died to surface blow.

IS: No return.

FF: Surface blow built to 1/4. Flushed tool 1 blow built to 1 1/2 in 30 min.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

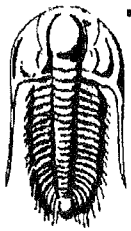
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2144.79	108.75	Initial Hydro-static
1	17.82	108.31	Open To Flow (1)
31	22.25	108.61	Shut-In(1)
62	302.52	109.81	End Shut-In(1)
62	27.07	110.82	Open To Flow(2)
92	37.29	112.98	Shut-In(2)
121	185.69	113.00	Final Hydro-static
121	2120.31	114.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	ocm 5%o 95%am	0.25

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

Johnson- Davidson 1-6

225 N Market ste 300
Wichita, KS 67202

6-17-26 Ness, KS

Job Ticket: 34264

DST#: 1

ATTN: Flip Phillips

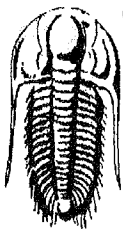
Test Start: 2009.03.09 @ 05:04:49

Tool Information

Drill Pipe:	Length: 3955.00 ft	Diameter: 3.80 inches	Volume: 55.48 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: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	56.69 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4191.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 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			4172.00	
Shut In Tool	5.00			4177.00	
Hydraulic tool	5.00			4182.00	
Packer	5.00			4187.00	20.00 Bottom Of Top Packer
Packer	4.00			4191.00	
Stubb	1.00			4192.00	
Recorder	0.00	6772	Inside	4192.00	
Recorder	0.00	8373	Inside	4192.00	
Perforations	24.00			4216.00	
Bullnose	5.00			4221.00	30.00 Bottom Packers & Anchor
Total Tool Length:		50.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

Johnson- Davidson 1-6

225 N Market ste 300
Wichita, KS 67202

6-17-26 Ness, KS

ATTN: Flip Phillips

Job Ticket: 34264

DST#: 1

Test Start: 2009.03.09 @ 05:04:49

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 0.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	ocm 5%o 95%m	0.246

Total Length: 50.00 ft

Total Volume: 0.246 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

6-17-26 Ness, KS

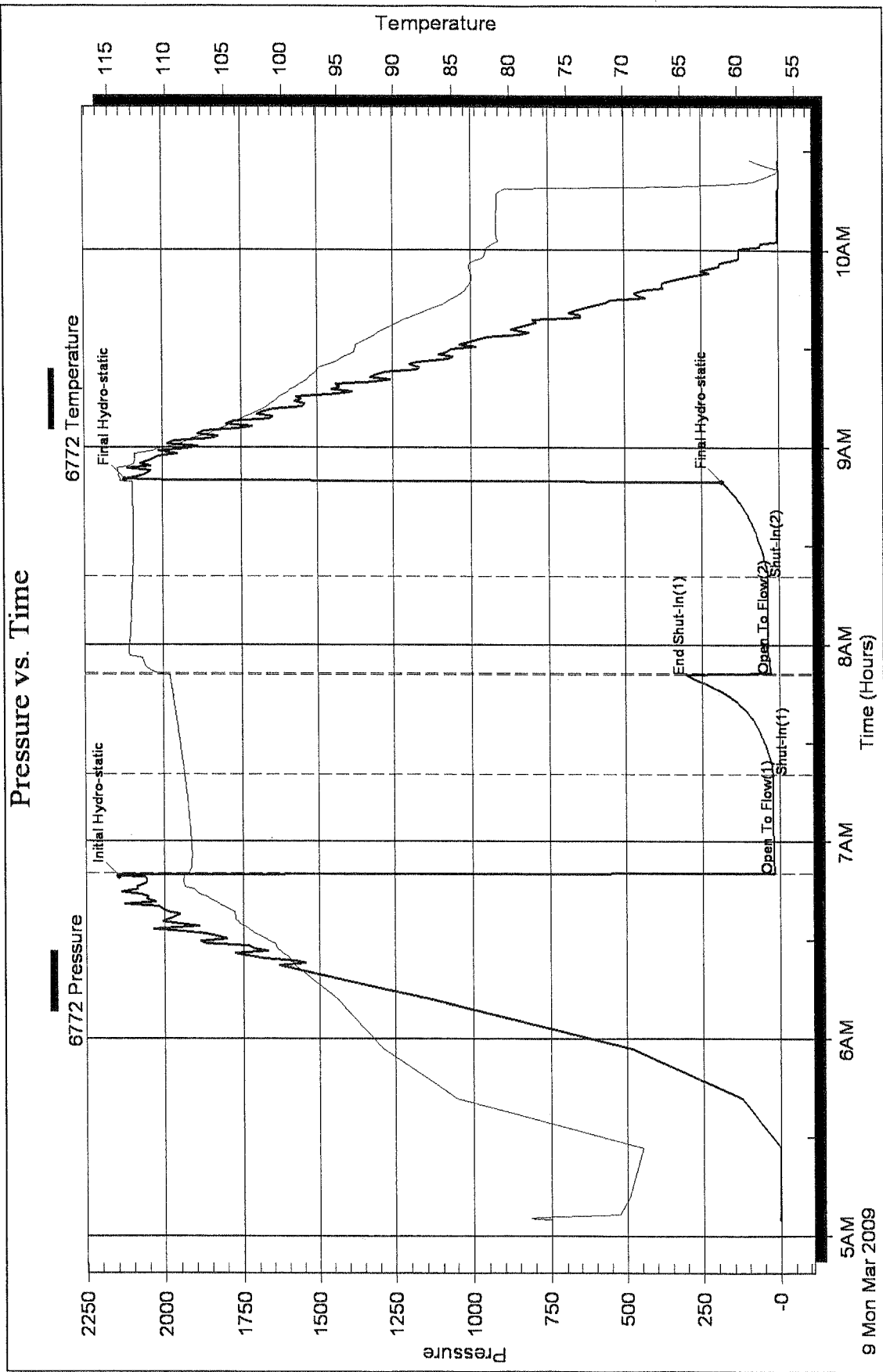
Inside

6772 Pressure

Serial # 6772

Printail Petroleum

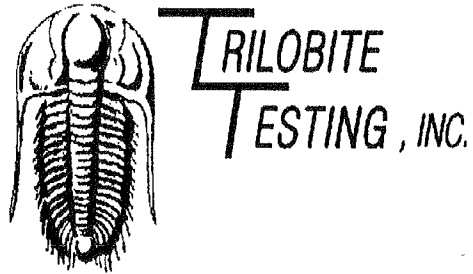
Pressure vs. Time



Ref. No: 34264

Trilobite Testing, Inc

Printed: 2009.03.12 @ 10:45:32 Page 5



DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market ste 300
Wichita, KS 67202

ATTN: Flip Phillips

6-17-26 Ness, KS

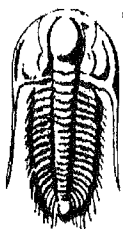
Johnson- Davidson 1-6

Start Date: 2009.03.10 @ 13:50:49

End Date: 2009.03.10 @ 22:25:14

Job Ticket #: 34265 DST #: 2

Trilobite Testing, Inc
PO Box 1733 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

Johnson- Davidson 1-6

6-17-26 Ness, KS

Job Ticket: 34265

DST#: 2

Test Start: 2009.03.10 @ 13:50:49

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:24:59

Time Test Ended: 22:25:14

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4452.00 ft (KB) To 4560.00 ft (KB) (TVD)**

Total Depth: 4560.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2647.00 ft (KB)

2642.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 461.23 psig @ 4453.00 ft (KB)

Start Date: 2009.03.10

End Date: 2009.03.10

2009.03.10

Start Time: 13:50:49

End Time: 22:25:14

22:25:14

Capacity: 7000.00 psig

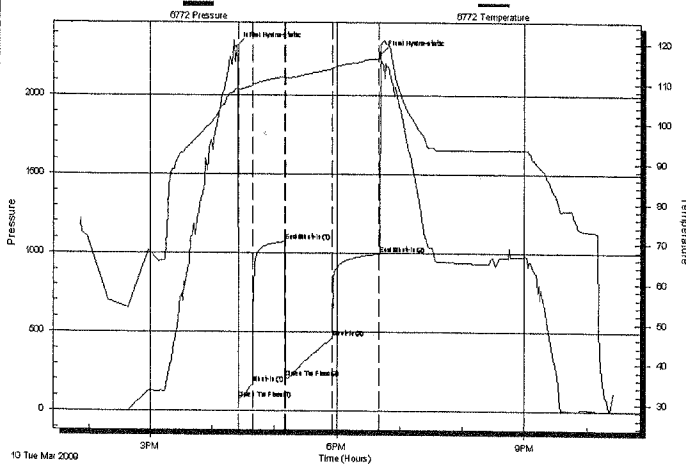
Last Calib.: 2009.03.10

Time On Btm: 2009.03.10 @ 16:22:59

Time Off Btm: 2009.03.10 @ 18:40:58

TEST COMMENT: IF: BOB in 1 min.
IS: BOB in 5 min.
FF: BOB in 2 min. Gas to surface in 38 min.
FS: BOB in 3 min.

Pressure vs. Time



PRESSURE SUMMARY

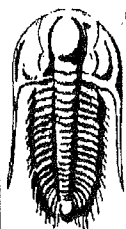
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2309.66	108.65	Initial Hydro-static
2	76.61	108.42	Open To Flow (1)
16	170.24	109.43	Shut-In(1)
47	1071.43	111.68	End Shut-In(1)
48	207.89	111.33	Open To Flow (2)
93	461.23	113.76	Shut-In(2)
137	995.71	116.27	End Shut-In(2)
138	2264.72	118.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	ocm 5%o 95%o	0.61
1860.00	go 20%g 80%o	24.98

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

Johnson- Davidson 1-6

6-17-26 Ness, KS

Job Ticket: 34265

DST#: 2

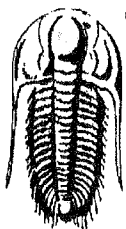
Test Start: 2009.03.10 @ 13:50:49

Tool Information

Drill Pipe:	Length: 4208.00 ft	Diameter: 3.80 inches	Volume: 59.03 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: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 60.24 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4452.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	108.00 ft			
Tool Length:	128.00 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			4433.00	
Shut In Tool	5.00			4438.00	
Hydraulic tool	5.00			4443.00	
Packer	5.00			4448.00	20.00 Bottom Of Top Packer
Packer	4.00			4452.00	
Stubb	1.00			4453.00	
Recorder	0.00	6772	Inside	4453.00	
Recorder	0.00	8373	Inside	4453.00	
Perforations	7.00			4460.00	
Change Over Sub	1.00			4461.00	
Drill Pipe	93.00			4554.00	
Change Over Sub	1.00			4555.00	
Bullnose	5.00			4560.00	108.00 Bottom Packers & Anchor

Total Tool Length: 128.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

Johnson- Davidson 1-6

225 N Market ste 300
Wichita, KS 67202

6-17-26 Ness, KS

Job Ticket: 34265

DST#: 2

ATTN: Flip Phillips

Test Start: 2009.03.10 @ 13:50:49

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:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 0.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	ocm 5%o 95% <i>m</i>	0.610
1860.00	go 20% <i>g</i> 80% <i>o</i>	24.980

Total Length: 1984.00 ft

Total Volume: 25.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 39@40=41

Pressure vs. Time

