

## DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum,LTD**

225 N.Market # 300  
Wichita,Ks.67202

ATTN: Flip Phillips

**25-19s-24w Ness KS**

**Stum LP # 1-25**

Start Date: 2003.09.14 @ 07:12:05

End Date: 2003.09.14 @ 11:40:20

Job Ticket #: 18155                      DST #: 1

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

Pintail Petroleum,LTD

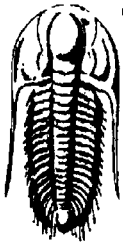
Stum LP # 1-25

25-19s-24w Ness KS

DST # 1

Fort Scott

2003.09.14



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Pintail Petroleum, LTD

225 N. Market # 300  
Wichita, Ks. 67202

ATTN: Flip Phillips

Stum LP # 1-25

25-19s-24w Ness KS

Job Ticket: 18155

DST#: 1

Test Start: 2003.09.14 @ 07:12:05

## GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 09:13:20

Time Test Ended: 11:40:20

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **4260.00 ft (KB) To 4300.00 ft (KB) (TVD)**

Reference Elevations: **2290.00 ft (KB)**

Total Depth: **4300.00 ft (KB) (TVD)**

**2284.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **6.00 ft**

Serial #: **3227** Inside

Press@RunDepth: **62.71 psig @ 4264.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2003.09.14**

End Date: **2003.09.14**

Last Calib.: **2003.09.14**

Start Time: **07:12:06**

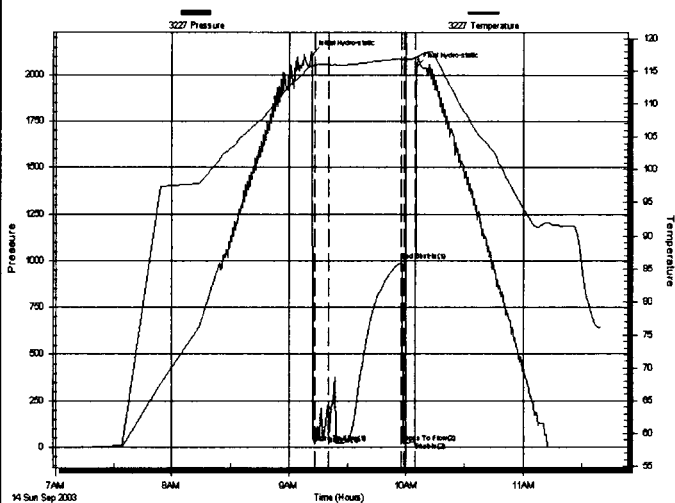
End Time: **11:40:20**

Time On Btm: **2003.09.14 @ 09:11:50**

Time Off Btm: **2003.09.14 @ 10:05:20**

TEST COMMENT: **F-Weak Surface Blow** **IS-Dead**  
**FF-Dead** **Flush Tool 2 times** **No Help**

Pressure vs. Time



## PRESSURE SUMMARY

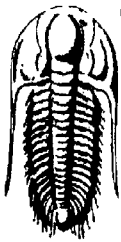
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2106.07	115.94	Initial Hydro-static
2	25.22	115.97	Open To Flow (1)
9	62.71	116.03	Shut-In(1)
46	997.36	116.97	End Shut-In(1)
48	23.78	116.90	Open To Flow (2)
53	29.56	117.03	Shut-In(2)
54	2041.36	117.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
6.00	Drilling Mud	0.03

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum, LTD

Stum LP # 1-25

225 N. Market # 300  
Wichita, Ks. 67202

25-19s-24w Ness KS

Job Ticket: 18155

DST#: 1

ATTN: Flip Phillips

Test Start: 2003.09.14 @ 07:12:05

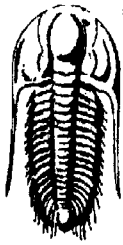
### Tool Information

Drill Pipe:	Length: 4020.00 ft	Diameter: 3.80 inches	Volume: 56.39 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 80000.00 lb
			<u>Total Volume: 57.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4260.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4246.00	
Hydraulic tool	5.00			4251.00	
Packer	4.00			4255.00	19.00 Bottom Of Top Packer
Packer	5.00		Fluid	4260.00	
Stubb	1.00			4261.00	
Perforations	3.00			4264.00	
Recorder	0.00	3227	Inside	4264.00	
Perforations	33.00			4297.00	
Recorder	0.00	13308	Outside	4297.00	
Bullnose	3.00			4300.00	40.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>59.00</b>				



**TRILOBITE**  
TESTING, INC.

## DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum, LTD

Stum LP # 1-25

225 N.Market # 300  
Wichita, Ks. 67202

25-19s-24w Ness KS

Job Ticket: 18155

DST#: 1

ATTN: Flip Phillips

Test Start: 2003.09.14 @ 07:12:05

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.96 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	Drilling Mud	0.030

Total Length: 6.00 ft      Total Volume: 0.030 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 3227

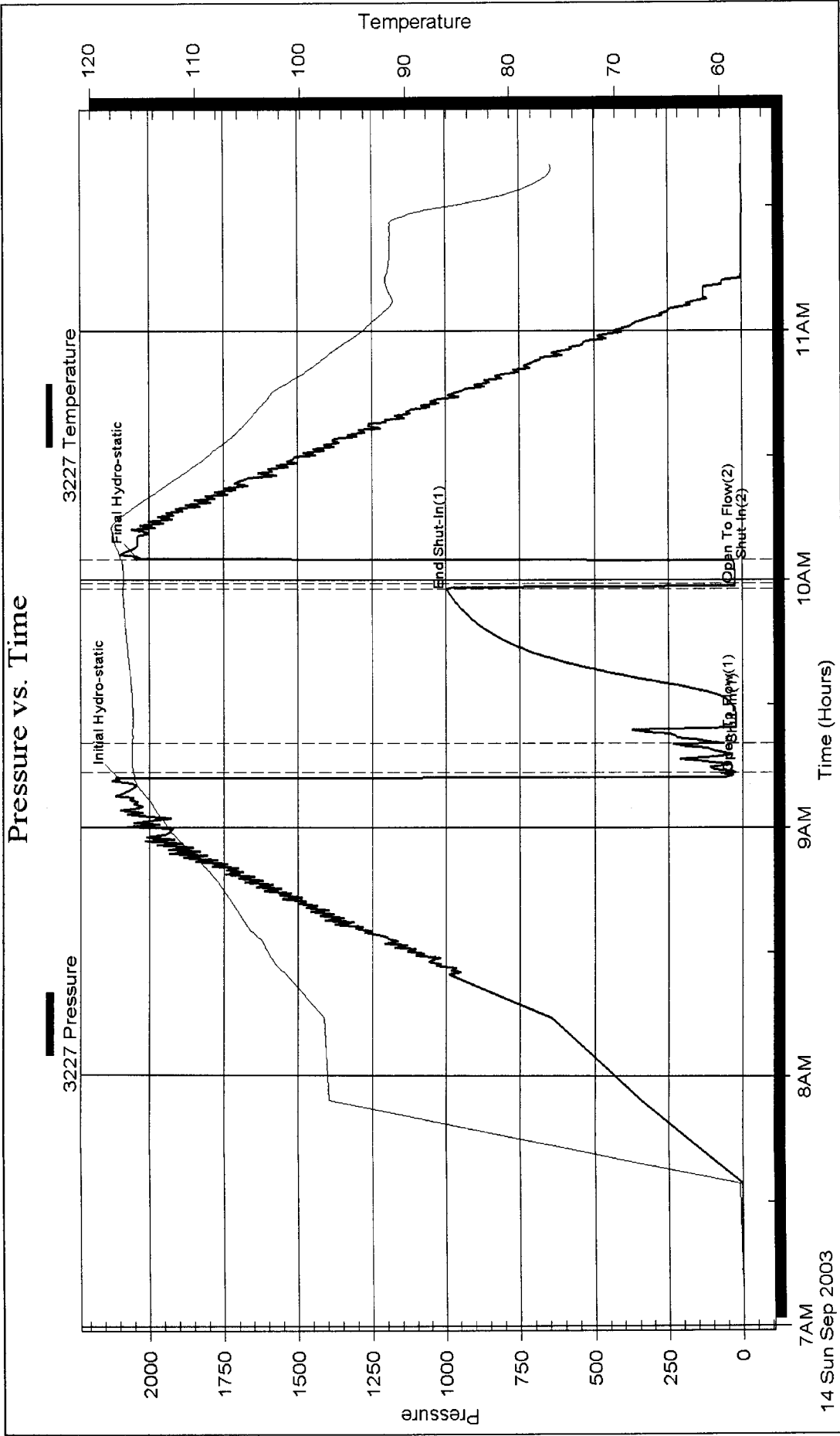
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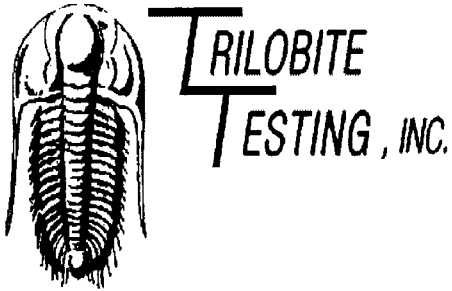
Pintail Petroleum, LTD

25-19s-24w Ness KS

DST Test Number: 1

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum,LTD**

225 N.Market # 300  
Wichita,Ks.67202

ATTN: Flip Phillips

**25-19s-24w Ness KS**

**Stum LP # 1-25**

Start Date: 2003.09.14 @ 19:13:19

End Date: 2003.09.15 @ 00:06:04

Job Ticket #: 18156                      DST #: 2

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

Pintail Petroleum,LTD

Stum LP # 1-25

25-19s-24w Ness KS

DST # 2

Chairokee

2003.09.14



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Pintail Petroleum, LTD

225 N. Market # 300  
Wichita, Ks. 67202

ATTN: Flip Phillips

Stum LP # 1-25

25-19s-24w Ness KS

Job Ticket: 18156

DST#: 2

Test Start: 2003.09.14 @ 19:13:19

## GENERAL INFORMATION:

Formation: **Chairokee**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 21:16:34

Time Test Ended: 00:06:04

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **4341.00 ft (KB) To 4360.00 ft (KB) (TVD)**

Total Depth: **4360.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2290.00 ft (KB)**

**2284.00 ft (CF)**

KB to GR/CF: **6.00 ft**

Serial #: **3227** Inside

Press@RunDepth: **27.46 psig @ 4342.00 ft (KB)**

Start Date: **2003.09.14**

End Date: **2003.09.15**

Capacity: **7000.00 psig**

Last Calib.: **2003.09.15**

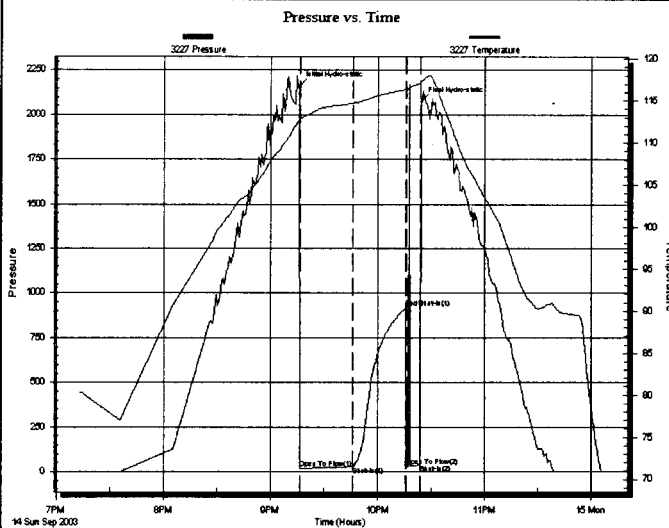
Start Time: **19:13:20**

End Time: **00:06:04**

Time On Btm: **2003.09.14 @ 21:16:04**

Time Off Btm: **2003.09.14 @ 22:24:19**

TEST COMMENT: **IF-Weak 1/2" blow** **ISI-Dead**  
**FF-Dead Flush Tool 2 times no help**



## PRESSURE SUMMARY

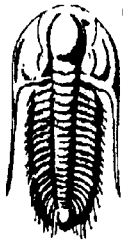
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2160.30	112.74	Initial Hydro-static
1	16.37	112.74	Open To Flow (1)
30	27.46	114.69	Shut-In(1)
60	916.13	116.37	End Shut-In(1)
60	30.00	116.33	Open To Flow (2)
68	38.58	117.08	Shut-In(2)
69	2071.64	117.29	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud W/oil scum on top	0.05

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum, LTD

225 N. Market # 300  
Wichita, Ks. 67202

ATTN: Flip Phillips

Stum LP # 1-25

25-19s-24w Ness KS

Job Ticket: 18156

DST#: 2

Test Start: 2003.09.14 @ 19:13:19

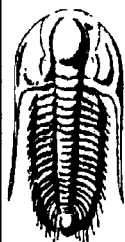
### Tool Information

Drill Pipe:	Length: 4081.00 ft	Diameter: 3.80 inches	Volume: 57.25 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 60000.00 lb
			<u>Total Volume: 58.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4341.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4327.00	
Hydraulic tool	5.00			4332.00	
Packer	4.00			4336.00	19.00 Bottom Of Top Packer
Packer	5.00		Fluid	4341.00	
Stubb	1.00			4342.00	
Recorder	0.00	3227	Inside	4342.00	
Perforations	15.00			4357.00	
Recorder	0.00	13308	Outside	4357.00	
Bullnose	3.00			4360.00	19.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>38.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Pintail Petroleum, LTD

Stum LP # 1-25

225 N. Market # 300  
Wichita, Ks. 67202

25-19s-24w Ness KS

Job Ticket: 18156      DST#: 2

ATTN: Flip Phillips

Test Start: 2003.09.14 @ 19:13:19

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil Apt:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.96 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling Mud W/oil scum on top	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 3227

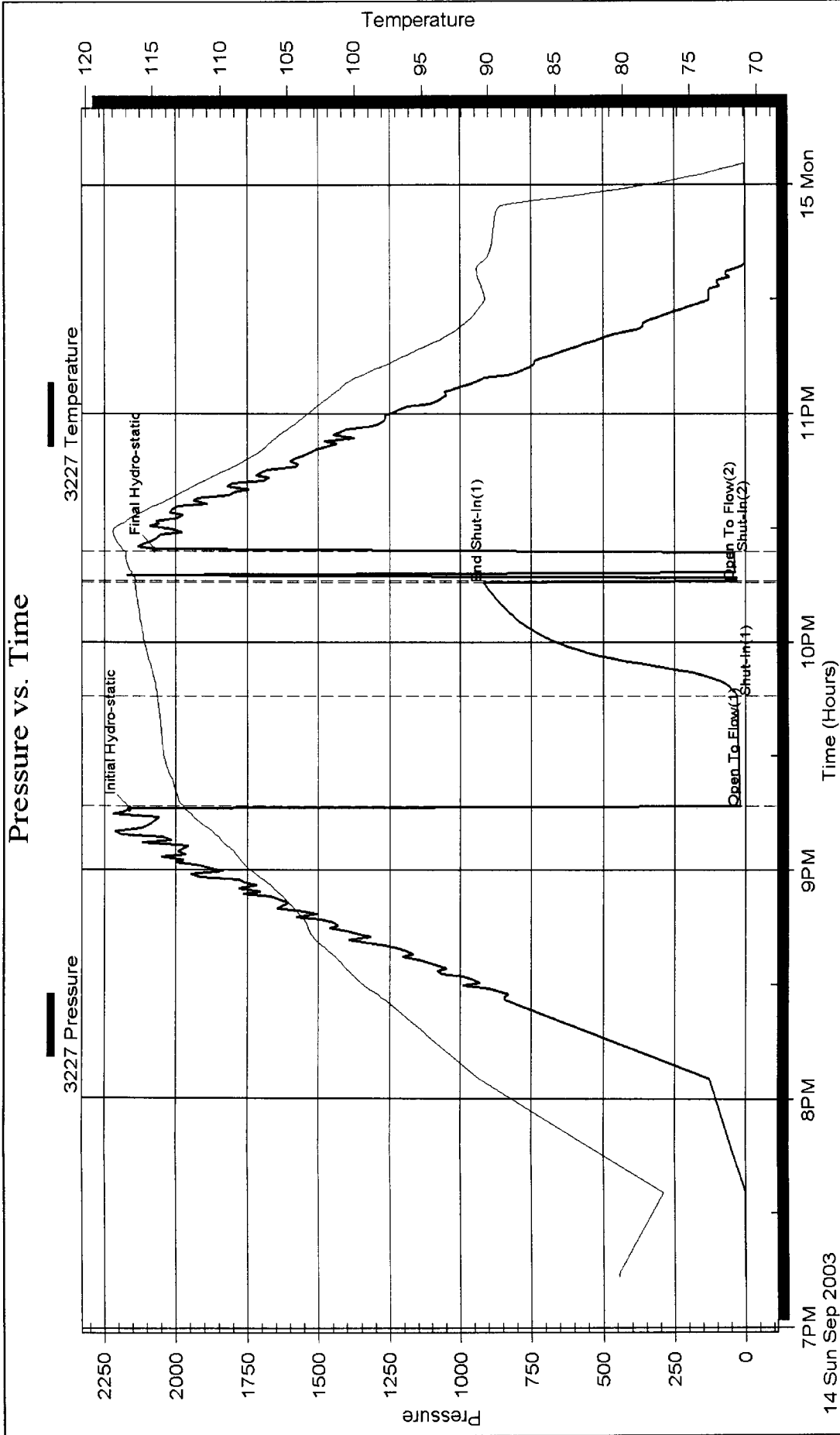
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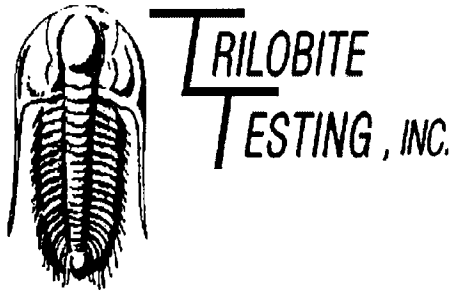
Pintail Petroleum, LTD

25-19s-24w Ness KS

DST Test Number: 2

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum,LTD**

225 N.Market # 300  
Wichita,Ks.67202

ATTN: Flip Phillips

**25-19s-24w Ness KS**

**Stum LP # 1-25**

Start Date: 2003.09.15 @ 07:03:26

End Date: 2003.09.15 @ 13:58:41

Job Ticket #: 18157                      DST #: 3

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

Pintail Petroleum,LTD

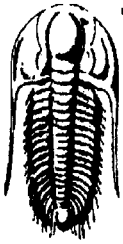
Stum LP # 1-25

25-19s-24w Ness KS

DST # 3

Chairokee

2003.09.15



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Pintail Petroleum, LTD  
 225 N. Market # 300  
 Wichita, Ks. 67202  
 ATTN: Flip Phillips

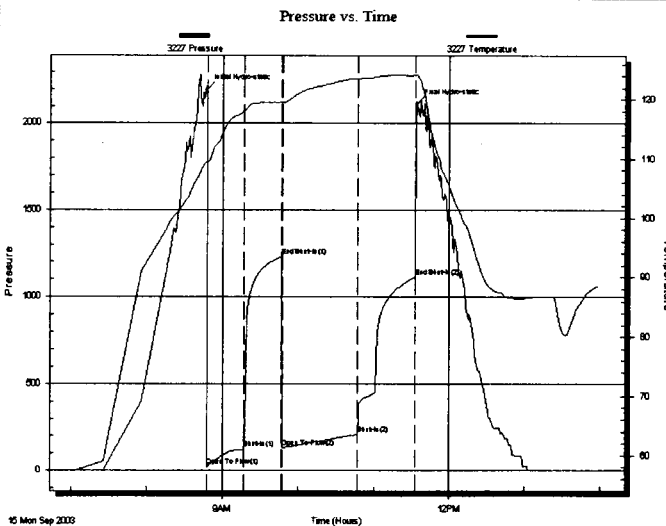
**Stum LP # 1-25**  
**25-19s-24w Ness KS**  
 Job Ticket: 18157      **DST#: 3**  
 Test Start: 2003.09.15 @ 07:03:26

## GENERAL INFORMATION:

Formation: **Chairokee**  
 Deviated: **No Whipstock**      ft (KB)  
 Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: 08:47:41      Tester: **John Schmidt**  
 Time Test Ended: 13:58:41      Unit No: **18**  
 Interval: **4356.00 ft (KB) To 4375.00 ft (KB) (TVD)**      Reference Elevations: **2290.00 ft (KB)**  
 Total Depth: **4356.00 ft (KB) (TVD)**      **2284.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**      KB to GR/CF: **6.00 ft**

**Serial #: 3227**      **Inside**  
 Press@RunDepth: **207.81 psig @ 4357.00 ft (KB)**      Capacity: **7000.00 psig**  
 Start Date: **2003.09.15**      End Date: **2003.09.15**      Last Calib.: **2003.09.15**  
 Start Time: **07:03:27**      End Time: **13:58:41**      Time On Btm: **2003.09.15 @ 08:47:26**  
 Time Off Btm: **2003.09.15 @ 11:33:56**

**TEST COMMENT:** **F-Good blow built to 11" in**      **ISI-1/4" blow back**  
**ISI-Good to strong B.O.B. in 27 min.**      **FSI-good blow back 5" in**



## PRESSURE SUMMARY

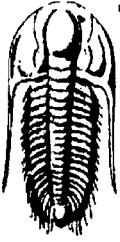
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2199.26	109.62	Initial Hydro-static
1	25.60	109.48	Open To Flow (1)
30	123.23	118.04	Shut-In(1)
60	1231.96	119.58	End Shut-In(1)
61	130.96	119.48	Open To Flow (2)
120	207.81	123.54	Shut-In(2)
166	1115.32	124.11	End Shut-In(2)
167	2115.26	124.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	G-W-O-C-M--22%G-3%W-30%O-45%M	0.59
190.00	G-W-M-C-O--28%G-2%W-10%M-60%O	1.50
240.00	Gassy Oil 15%G--85% oil	3.37
0.00	250 gas in pipe	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum, LTD

Stum LP # 1-25

225 N. Market # 300  
Wichita, Ks. 67202

25-19s-24w Ness KS

Job Ticket: 18157

DST#: 3

ATTN: Flip Phillips

Test Start: 2003.09.15 @ 07:03:26

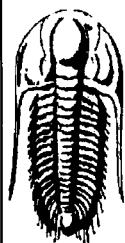
### Tool Information

Drill Pipe:	Length: 4110.00 ft	Diameter: 3.80 inches	Volume: 57.65 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 65000.00 lb
			<u>Total Volume: 58.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4356.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4342.00	
Hydraulic tool	5.00			4347.00	
Packer	4.00			4351.00	19.00 Bottom Of Top Packer
Packer	5.00		Fluid	4356.00	
Stubb	1.00			4357.00	
Recorder	0.00	3227	Inside	4357.00	
Perforations	15.00			4372.00	
Recorder	0.00	13308	Outside	4372.00	
Bullnose	3.00			4375.00	19.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>38.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum, LTD

Stum LP # 1-25

225 N. Market # 300  
Wichita, Ks. 67202

25-19s-24w Ness KS

Job Ticket: 18157

DST#: 3

ATTN: Flip Phillips

Test Start: 2003.09.15 @ 07:03:26

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.96 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	G-W-O-C-M--22%G-3%W-30%O-45%M	0.590
190.00	G-W-M-C-O--28%G-2%W-10%M-60%O	1.499
240.00	Gassy Oil 15%G--85% oil	3.367
0.00	250 gas in pipe	0.000

Total Length: 550.00 ft

Total Volume: 5.456 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

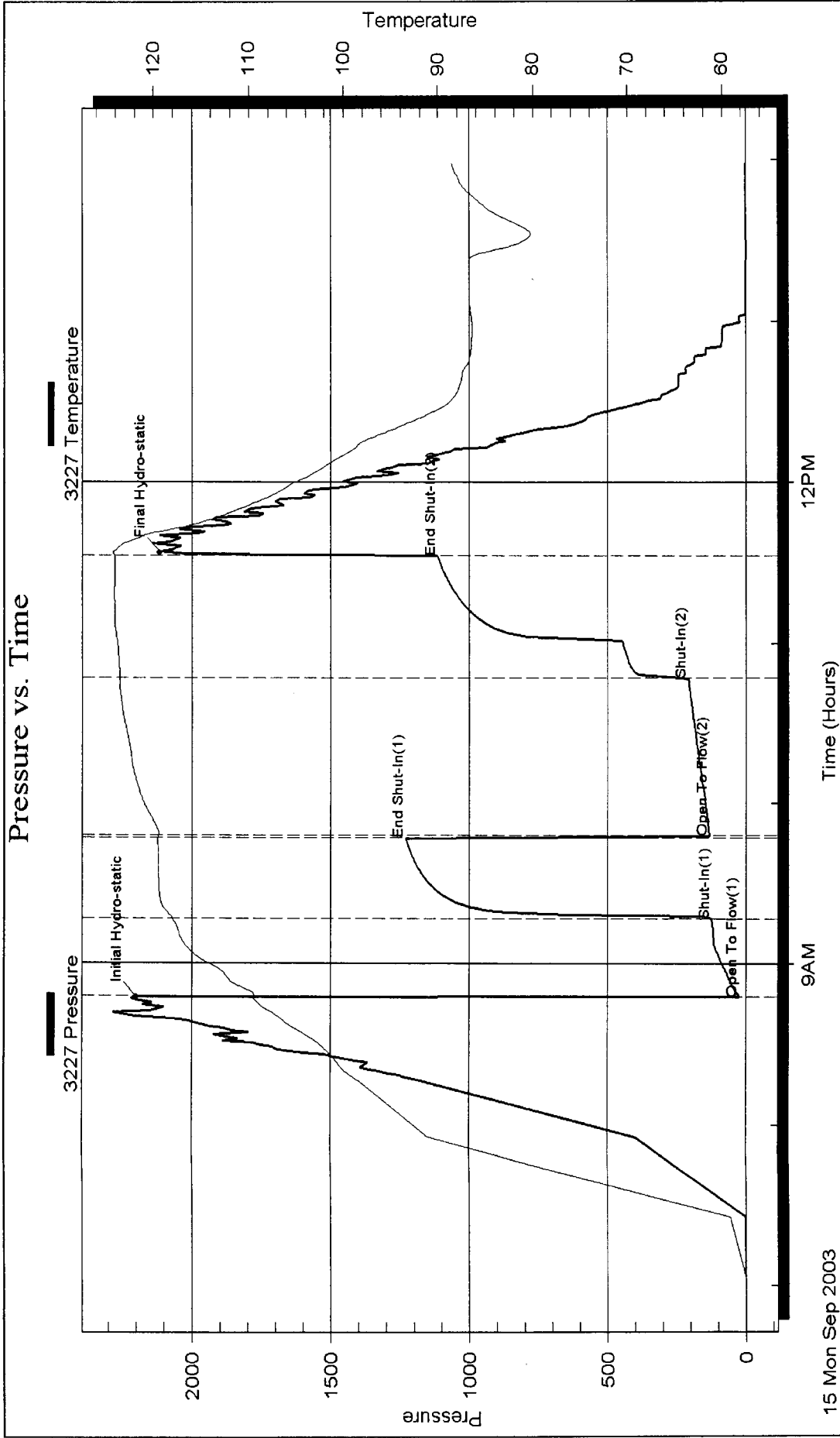
Serial #:

Laboratory Name:

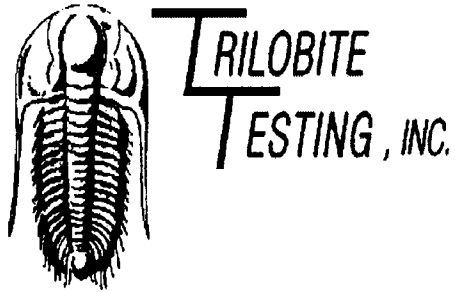
Laboratory Location:

Recovery Comments:

### Pressure vs. Time



15 Mon Sep 2003



## DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum,LTD**

225 N.Market # 300  
Wichita,Ks.67202

ATTN: Flip Phillips

**25-19s-24w Ness KS**

**Stum LP # 1-25**

Start Date: 2003.09.15 @ 18:33:26

End Date: 2003.09.16 @ 00:05:41

Job Ticket #: 18158                      DST #: 4

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

Pintail Petroleum,LTD

Stum LP # 1-25

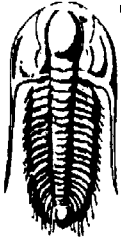
25-19s-24w Ness KS

DST # 4

Chairokee

2003.09.15





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum, LTD

Stum LP # 1-25

225 N. Market # 300  
Wichita, Ks. 67202

25-19s-24w Ness KS

Job Ticket: 18158

DST#: 4

ATTN: Flip Phillips

Test Start: 2003.09.15 @ 18:33:26

### Tool Information

Drill Pipe:	Length: 4112.00 ft	Diameter: 3.80 inches	Volume: 57.68 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 60000.00 lb
			<u>Total Volume: 58.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4375.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 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
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4361.00	
Hydraulic tool	5.00			4366.00	
Packer	4.00			4370.00	19.00 Bottom Of Top Packer
Packer	5.00		Fluid	4375.00	
Stubb	1.00			4376.00	
Recorder	0.00	3227	Inside	4376.00	
Perforations	7.00			4383.00	
Recorder	0.00	13308	Outside	4383.00	
Bullnose	3.00			4386.00	11.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>30.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Pintail Petroleum, LTD

**Stum LP # 1-25**

225 N. Market # 300  
Wichita, Ks. 67202

**25-19s-24w Ness KS**

Job Ticket: 18158

**DST#: 4**

ATTN: Flip Phillips

Test Start: 2003.09.15 @ 18:33:26

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 13.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

### Recovery Table

Length ft	Description	Volume bbbl
80.00	OCM-25% oil 75% mud	0.393
10.00	Salt Water	0.049
25.00	Rree oil	0.123

Total Length: 115.00 ft      Total Volume: 0.565 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

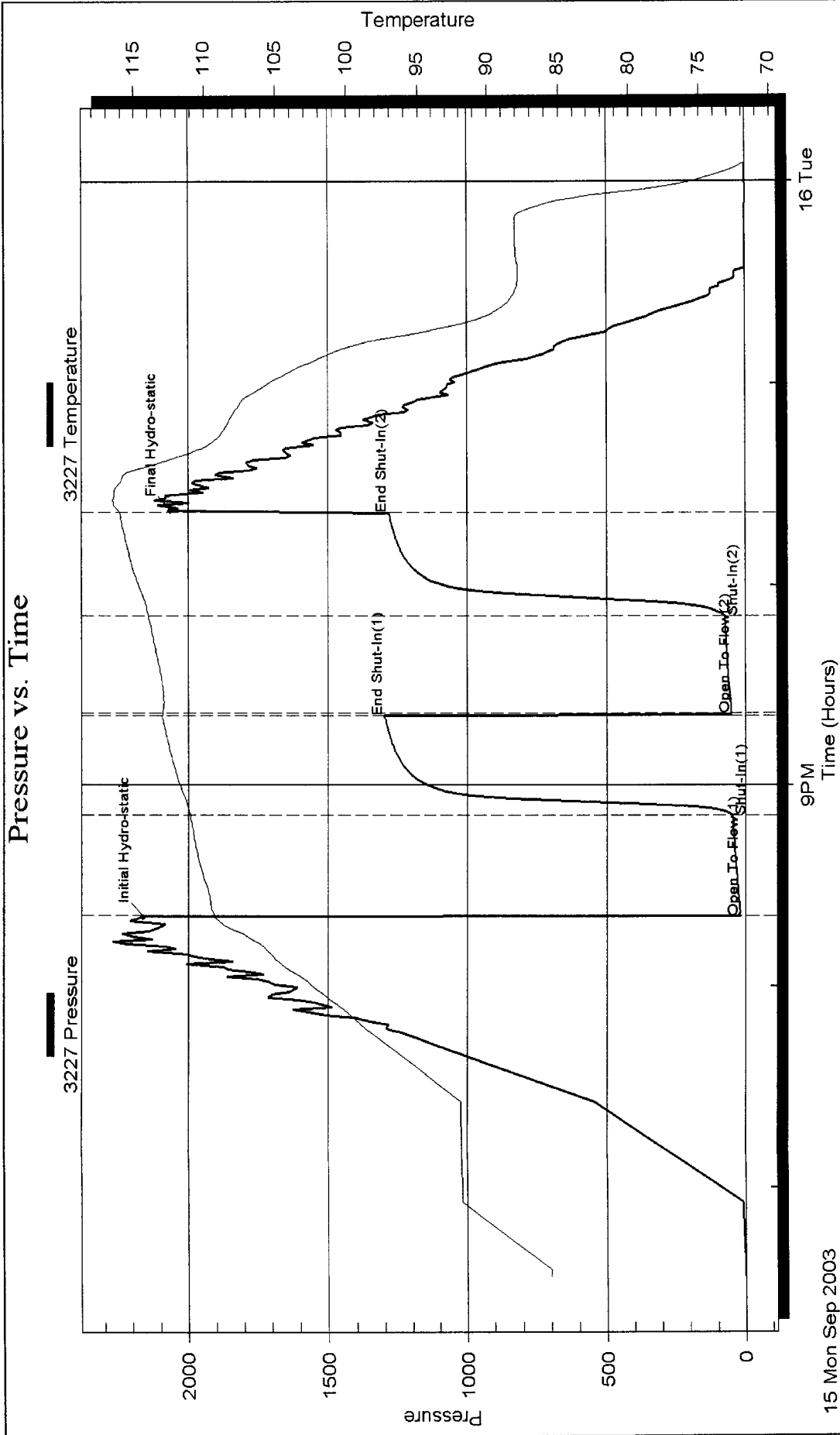
Serial #:

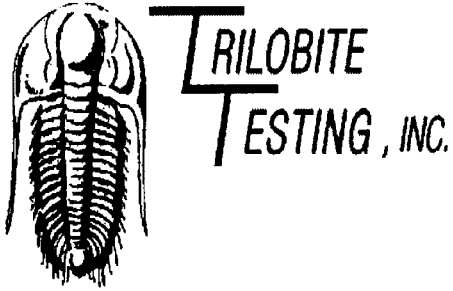
Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum,LTD**

225 N.Market # 300  
Wichita,Ks.67202

ATTN: Flip Phillips

**25-19s-24w Ness KS**

**Stum LP # 1-25**

Start Date: 2003.09.16 @ 06:00:18

End Date: 2003.09.16 @ 11:55:18

Job Ticket #: 18159                      DST #: 5

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

Pintail Petroleum,LTD

Stum LP # 1-25

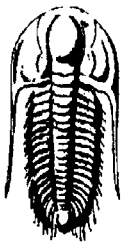
25-19s-24w Ness KS

DST # 5

Miss.

2003.09.16





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum, LTD

Stum LP # 1-25

225 N. Market # 300  
Wichita, Ks. 67202

25-19s-24w Ness KS

Job Ticket: 18159

DST#: 5

ATTN: Flip Phillips

Test Start: 2003.09.16 @ 06:00:18

### Tool Information

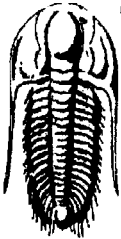
Drill Pipe:	Length: 4142.00 ft	Diameter: 3.80 inches	Volume: 58.10 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 59.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4392.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	27.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4378.00	
Hydraulic tool	5.00			4383.00	
Packer	4.00			4387.00	19.00 Bottom Of Top Packer
Packer	5.00		Fluid	4392.00	
Stubb	1.00			4393.00	
Recorder	0.00	3227	Inside	4393.00	
Perforations	4.00			4397.00	
Bullnose	3.00			4400.00	8.00 Bottom Packers & Anchor

**Total Tool Length: 27.00**



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

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Pintail Petroleum, LTD

**Stum LP # 1-25**

225 N. Market # 300  
Wichita, Ks. 67202

**25-19s-24w Ness KS**

Job Ticket: 18159

**DST#: 5**

ATTN: Flip Phillips

Test Start: 2003.09.16 @ 06:00:18

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.96 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	GMCO-10%G-30%M-60%O	0.492
40.00	Gassy oil-5%gas-95%oil	0.197
0.00	50 gas in pipe	0.000

Total Length: 140.00 ft      Total Volume: 0.689 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 3227

Inside

Pintail Petroleum, LTD

25-19s-24w Ness KS

DST Test Number: 5

### Pressure vs. Time

