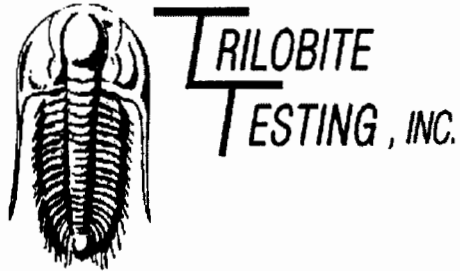


24-19s-24w



DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum Ltd.**

KCC RELEASED FROM CONFIDENTIAL
JUN 17 2004
CONFIDENTIAL

225 N Market St. 300
Wichita, KS 67202

24-19S-24W Ness

Dumler RJ #1-24

Start Date: 2004.05.17 @ 22:55:52

End Date: 2004.05.18 @ 05:02:07

Job Ticket #: 19558 DST #: 1

RECEIVED
AUG 02 2004
KCC WICHITA

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

Pintail Petroleum Ltd.

Dumler RJ #1-24

24-19S-24W Ness

DST # 1

Ft Scott

2004.05.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

Dumler RJ #1-24
24-19S-24W Ness
Job Ticket: 19558 **DST#: 1**
Test Start: 2004.05.17 @ 22:55:52

GENERAL INFORMATION:

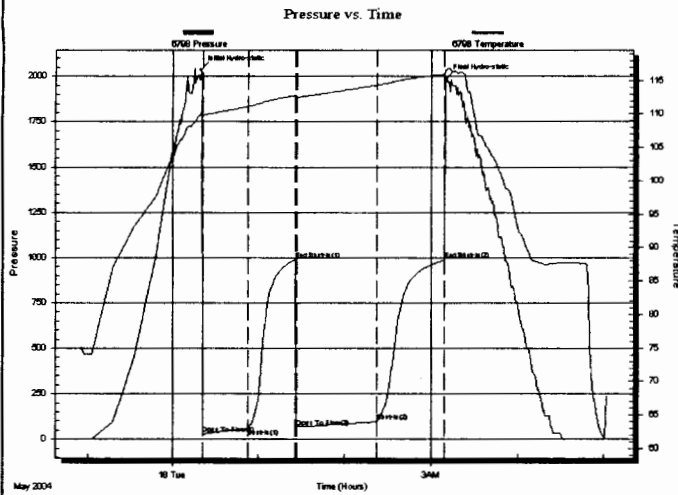
Formation: **Ft Scott**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 00:21:22
Time Test Ended: 05:02:07
Test Type: **Conventional Bottom Hole**
Tester: **Rod Steinbrink**
Unit No: **22**
Interval: **4172.00 ft (KB) To 4218.00 ft (KB) (TVD)**
Reference Elevations: **2242.00 ft (KB)**
Total Depth: **4218.00 ft (KB) (TVD)** **2237.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Good** **KB to GR/CF: 5.00 ft**

Serial #: 6798

Inside

Press@RunDepth: **96.05 psig @ 4173.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2004.05.17** End Date: **2004.05.18** Last Calib.: **1899.12.30**
Start Time: **22:55:54** End Time: **05:02:07** Time On Btm: **2004.05.18 @ 00:19:37**
Time Off Btm: **2004.05.18 @ 03:10:37**

TEST COMMENT: **IF; Weak to fair built to 2 1/2"**
FF; Good surge at open - surface return in 5 mins steady thru



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2038.31	110.03	Initial Hydro-static
2	27.02	109.69	Open To Flow (1)
34	57.95	111.14	Shut-In(1)
67	990.07	112.77	End Shut-In(1)
68	65.68	112.57	Open To Flow (2)
123	96.05	114.31	Shut-In(2)
170	985.92	115.94	End Shut-In(2)
171	1991.40	116.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	SOCM 1% oil 99% mud	0.59

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 Ste 300
Wichita KS. 67202
ATTN: Flip Phillips

Dumler RJ #1-24
24-19S-24W Ness
Job Ticket: 19558 **DST#: 1**
Test Start: 2004.05.17 @ 22:55:52

Tool Information

Drill Pipe:	Length: 3923.00 ft	Diameter: 3.80 inches	Volume: 55.03 bbl	Tool Weight: 2500.00 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: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 56.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4172.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	66.00 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			4153.00	
Shut In Tool	5.00			4158.00	
Hydraulic tool	5.00			4163.00	
Packer	4.00			4167.00	20.00 Bottom Of Top Packer
Packer	5.00			4172.00	
Stubb	1.00			4173.00	
Recorder	0.00	6798	Inside	4173.00	
Perforations	7.00			4180.00	
Change Over Sub	1.00			4181.00	
Anchor	31.00			4212.00	
Change Over Sub	1.00			4213.00	
Recorder	0.00	13276	Outside	4213.00	
Bullnose	5.00			4218.00	46.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum Ltd.

Dumler RJ #1-24

225 N Market Ste 300
Wichita KS. 67202

24-19S-24W Ness

Job Ticket: 19558

DST#: 1

ATTN: Flip Phillips

Test Start: 2004.05.17 @ 22:55:52

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:	45.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	8.59 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

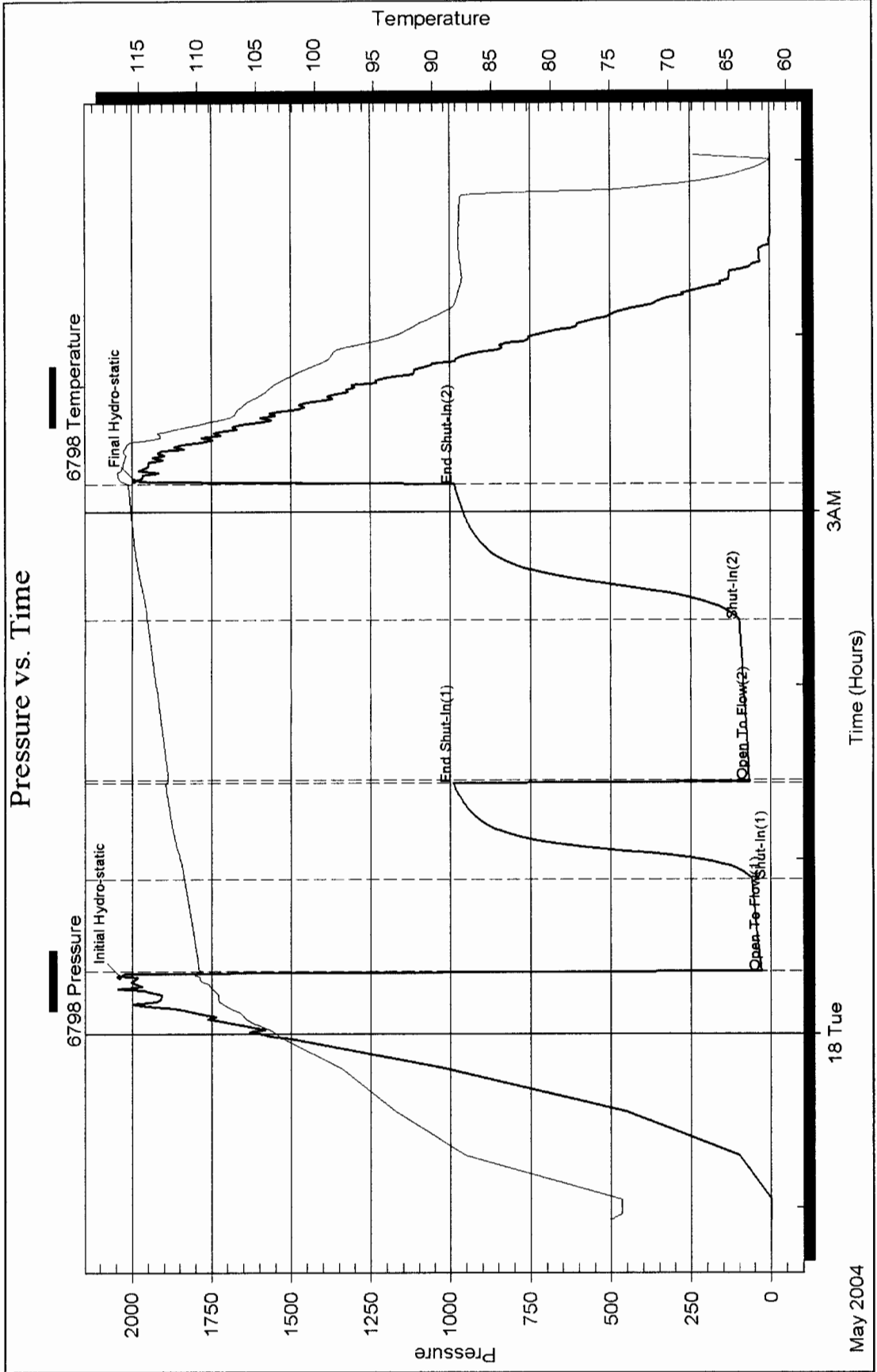
Length ft	Description	Volume bbbl
120.00	SOCM 1% oil 99% mud	0.590

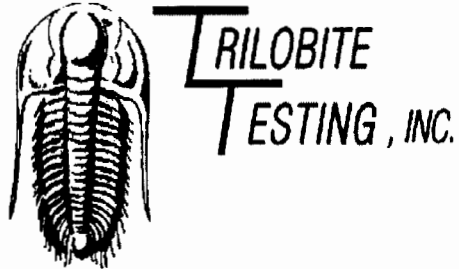
Total Length: 120.00 ft Total Volume: 0.590 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum Ltd.**

225 N Market Ste 300
Wichita KS. 67202

ATTN: Flip Phillips

24-19S-24W Ness

Dumler RJ #1-24

Start Date: 2004.05.18 @ 14:10:51

End Date: 2004.05.18 @ 20:42:51

Job Ticket #: 19559 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Pintail Petroleum Ltd.

Dumler RJ #1-24

24-19S-24W Ness

DST # 2

Cherokee

2004.05.18



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

Dumler RJ #1-24
24-19S-24W Ness
Job Ticket: 19559 **DST#: 2**
Test Start: 2004.05.18 @ 14:10:51

GENERAL INFORMATION:

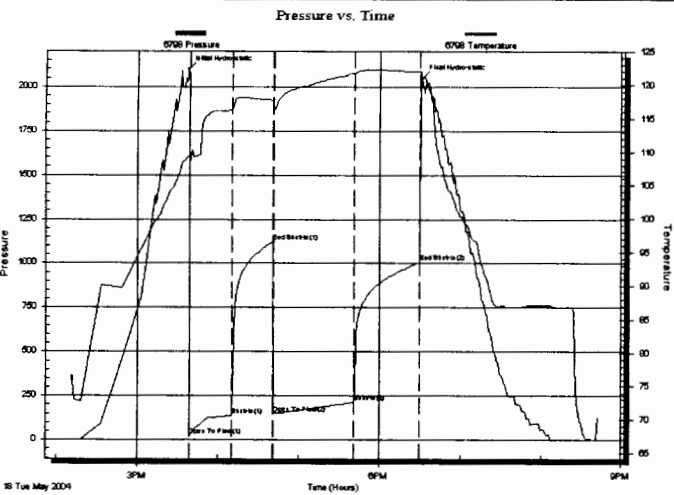
Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:38:51
Time Test Ended: 20:42:51
Interval: **4237.00 ft (KB) To 4292.00 ft (KB) (TVD)**
Total Depth: 4292.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Rod Steinbrink
Unit No: 22
Reference Elevations: 2242.00 ft (KB)
2237.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6798

Inside

Press@RunDepth: 213.87 psig @ 4238.00 ft (KB)
Start Date: 2004.05.18 End Date: 2004.05.18
Start Time: 14:10:53 End Time: 20:42:51
Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.05.18 @ 15:37:21
Time Off Btm: 2004.05.18 @ 18:31:06

TEST COMMENT: F; Weak to fair off btm in 18 mins
IS; Surface return built to 1 1/2"
FF; Weak to fair off btm in 20 mins
FS; Surface return built to 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2097.60	109.27	Initial Hydro-static
2	23.83	108.57	Open To Flow (1)
34	139.30	116.23	Shut-In(1)
64	1125.26	117.74	End Shut-In(1)
65	150.88	117.11	Open To Flow (2)
124	213.87	121.74	Shut-In(2)
172	1006.42	121.94	End Shut-In(2)
174	2045.92	120.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	GMCO 20%gas 45%oil 35%mud	1.51
250.00	CGO 25%gas 75%oil	3.51
0.00	260 GIP	0.00

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 Ste 300
Wichita KS. 67202
ATTN: Flip Phillips

Dumler RJ #1-24
24-19S-24W Ness
Job Ticket: 19559 **DST#: 2**
Test Start: 2004.05.18 @ 14:10:51

Tool Information

Drill Pipe:	Length: 3986.00 ft	Diameter: 3.80 inches	Volume: 55.91 bbl	Tool Weight: 2500.00 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: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4237.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	75.00 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			4218.00	
Shut In Tool	5.00			4223.00	
Hydraulic tool	5.00			4228.00	
Packer	4.00			4232.00	20.00 Bottom Of Top Packer
Packer	5.00			4237.00	
Stubb	1.00			4238.00	
Recorder	0.00	6798	Inside	4238.00	
Perforations	16.00			4254.00	
Change Over Sub	1.00			4255.00	
Anchor	31.00			4286.00	
Change Over Sub	1.00			4287.00	
Recorder	0.00	13276	Outside	4287.00	
Bullnose	5.00			4292.00	55.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum Ltd.

Dumler RJ #1-24

225 N Market Ste 300
Wichita KS. 67202

24-19S-24W Ness

ATTN: Flip Phillips

Job Ticket: 19559

DST#: 2

Test Start: 2004.05.18 @ 14:10:51

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	36.5 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	46.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.09 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
270.00	GMCO 20%gas 45%oil 35%mud	1.510
250.00	CGO 25%gas 75%oil	3.507
0.00	260 GIP	0.000

Total Length: 520.00 ft Total Volume: 5.017 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

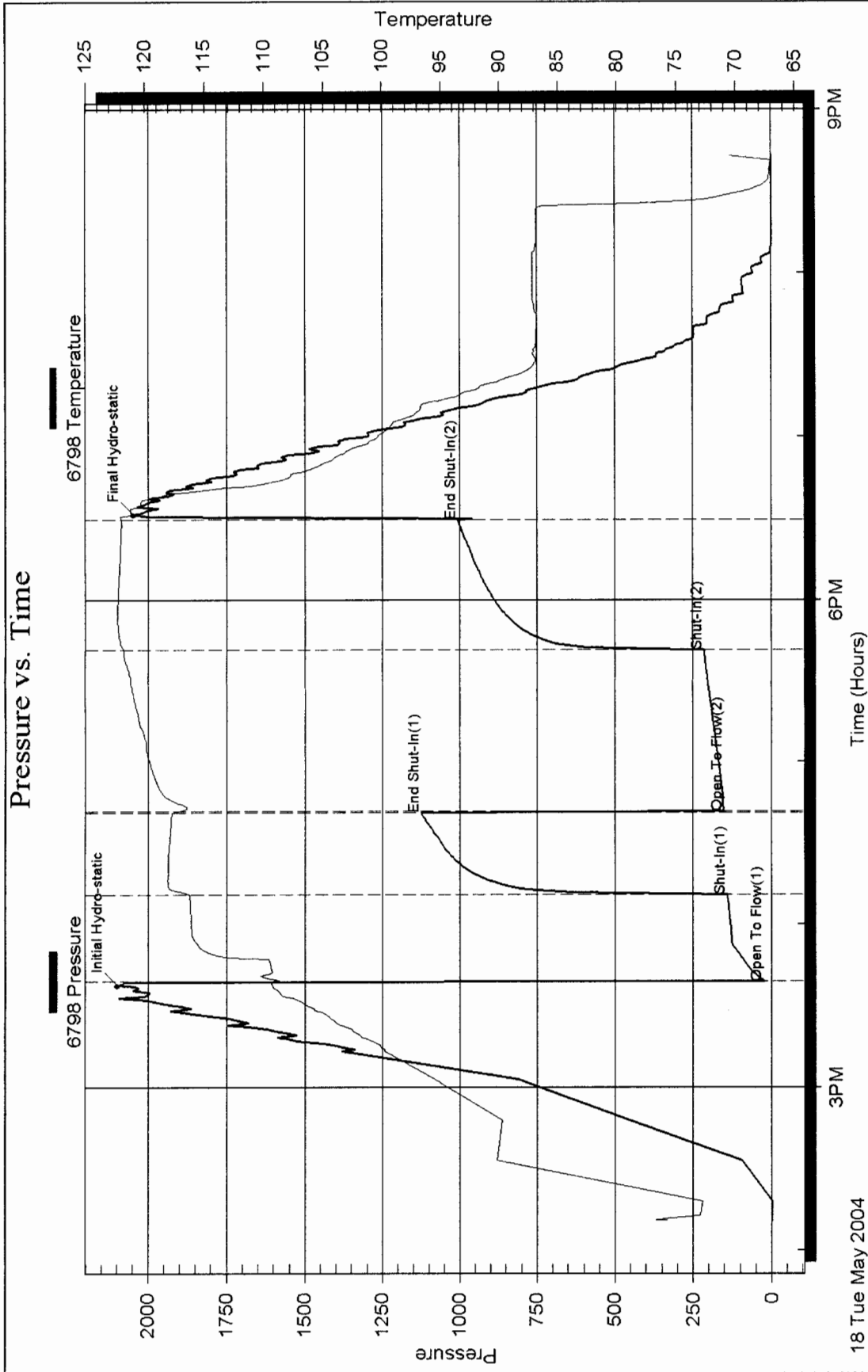
Serial #: 6798

Inside

Fintail Petroleum Ltd.

24-19S-24W Ness

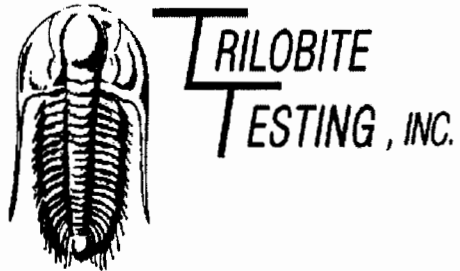
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 19559

Printed: 2004.06.01 @ 14:53:05 Page 5



DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum Ltd.**

225 N Market Ste 300
Wichita KS. 67202

ATTN: Flip Phillips

24-19S-24W Ness

Dumler RJ #1-24

Start Date: 2004.05.19 @ 01:55:55

End Date: 2004.05.19 @ 08:44:40

Job Ticket #: 19560 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Pintail Petroleum Ltd.

Dumler RJ #1-24

24-19S-24W Ness

DST # 3

Cherokee

2004.05.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

Dumler RJ #1-24
24-19S-24W Ness
Job Ticket: 19560 **DST#: 3**
Test Start: 2004.05.19 @ 01:55:55

GENERAL INFORMATION:

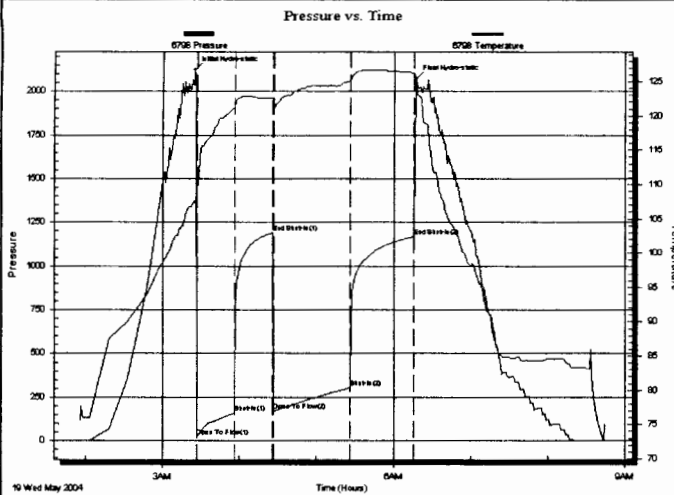
Formation: **Cherokee**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 03:26:55
Time Test Ended: 08:44:40
Interval: **4291.00 ft (KB) To 4312.00 ft (KB) (TVD)**
Total Depth: **4312.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Rod Steinbrink**
Unit No: **22**
Reference Elevations: **2242.00 ft (KB)**
2237.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6798

Inside

Press@RunDepth: **304.98 psig @ 4292.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2004.05.19** End Date: **2004.05.19** Last Calib.: **1899.12.30**
Start Time: **01:55:57** End Time: **08:44:40** Time On Btm: **2004.05.19 @ 03:24:55**
Time Off Btm: **2004.05.19 @ 06:16:10**

TEST COMMENT: **IF; Fair blow built to btm in 12 mins**
IS; Surface return built to 4"
FF; Fair blow built to btm in 14 mins
FS; Surface return 1/2" thru



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2123.86	107.54	Initial Hydro-static
2	21.78	109.42	Open To Flow (1)
32	160.80	121.15	Shut-In(1)
61	1192.36	122.60	End Shut-In(1)
62	171.34	121.99	Open To Flow (2)
122	304.98	125.25	Shut-In(2)
171	1170.25	126.33	End Shut-In(2)
172	2075.87	125.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCM 10%gas 15%oil 75%mud	0.59
660.00	CGO 20%gas 80%oil	8.07

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 Ste 300
Wichita KS. 67202
ATTN: Flip Phillips

Dumler RJ #1-24
24-19S-24W Ness
Job Ticket: 19560 **DST#: 3**
Test Start: 2004.05.19 @ 01:55:55

Tool Information

Drill Pipe:	Length: 4050.00 ft	Diameter: 3.80 inches	Volume: 56.81 bbl	Tool Weight: 2000.00 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: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 58.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4291.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	41.00 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			4272.00	
Shut In Tool	5.00			4277.00	
Hydraulic tool	5.00			4282.00	
Packer	4.00			4286.00	20.00 Bottom Of Top Packer
Packer	5.00			4291.00	
Stubb	1.00			4292.00	
Recorder	0.00	6798	Inside	4292.00	
Perforations	15.00			4307.00	
Recorder	0.00	13276	Outside	4307.00	
Bullnose	5.00			4312.00	21.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pntail Petroleum Ltd.

Dumler RJ #1-24

225 N Market Ste 300
Wichita KS. 67202

24-19S-24W Ness

Job Ticket: 19560

DST#: 3

ATTN: Flip Phillips

Test Start: 2004.05.19 @ 01:55:55

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.10 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOCM 10%gas 15%oil 75%mud	0.590
660.00	CGO 20%gas 80%oil	8.074

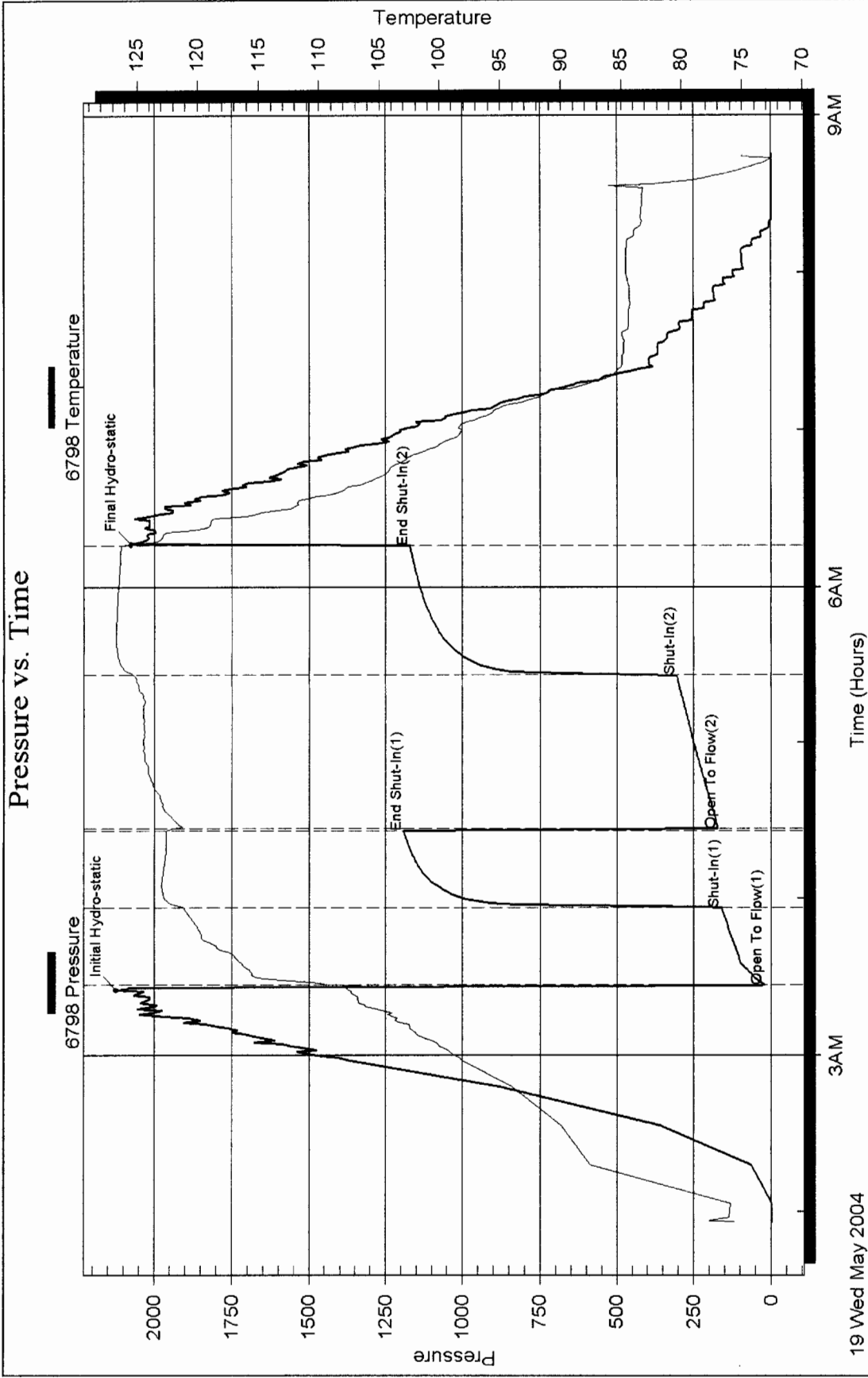
Total Length: 780.00 ft Total Volume: 8.664 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time



19 Wed May 2004