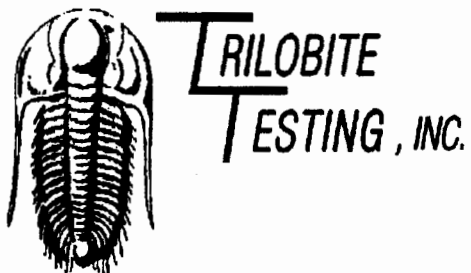


15-135-24593



DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum LTD**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

31 19 23W Ness KS

Johnson JM # 1-31

Start Date: 2007.01.07 @ 09:43:54

End Date: 2007.01.07 @ 17:32:54

Job Ticket #: 27133 DST #: 1

KCC
MAR 01 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 LTD

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Johnson JM # 1-31

31 19 23W Ness KS

Job Ticket: 27133

DST#: 1

Test Start: 2007.01.07 @ 09:43:54

GENERAL INFORMATION:

Formation: **Ft.Scott**

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

Time Tool Opened: 12:29:24

Time Test Ended: 17:32:54

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **31**

Interval: **4244.00 ft (KB) To 4304.00 ft (KB) (TVD)**

Total Depth: **4304.00 ft (KB) (TVD)**

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

Reference Elevations: **2300.00 ft (KB)**

2295.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8018

Inside

Press@RunDepth: **64.34 psig @ 4249.00 ft (KB)**

Start Date: **2007.01.07**

End Date:

2007.01.07

Capacity: **7000.00 psig**

Last Calib.: **2007.01.07**

Start Time: **09:43:59**

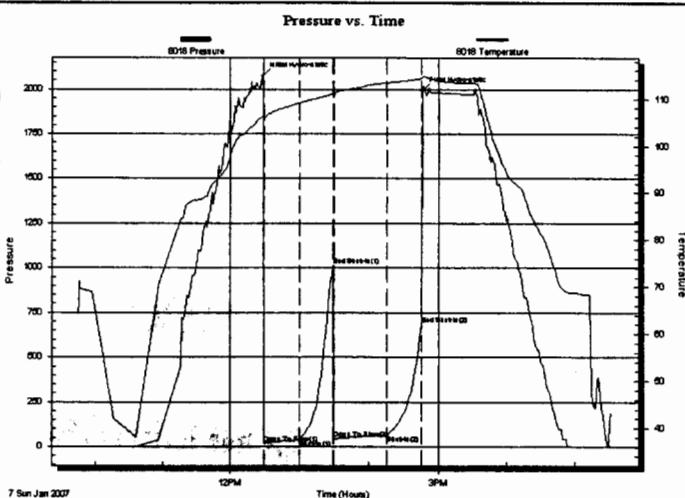
End Time:

17:32:53

Time On Btm: **2007.01.07 @ 12:28:24**

Time Off Btm: **2007.01.07 @ 14:45:54**

TEST COMMENT: IF Fair built to 4
ISI Dead
FF Fair built to 5 "
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2071.28	106.35	Initial Hydro-static
1	16.53	106.05	Open To Flow (1)
32	37.04	109.09	Shut-In(1)
61	1012.06	111.00	End Shut-In(1)
62	41.07	110.75	Open To Flow (2)
107	64.34	113.42	Shut-In(2)
137	685.42	114.34	End Shut-In(2)
138	1993.45	114.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	DM w/O stain	0.44
0.00	180 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

Johnson JM # 1-31

31 19 23W Ness KS

Job Ticket: 27133

DST#: 1

Test Start: 2007.01.07 @ 09:43:54

Tool Information

Drill Pipe:	Length: 4104.00 ft	Diameter: 3.80 inches	Volume: 57.57 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 58.18 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4244.00 ft			Final 52000.00 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
Change Over Sub	1.00			4225.00	
Shut In Tool	5.00			4230.00	
Hydraulic tool	5.00			4235.00	
Packer	4.00			4239.00	20.00 Bottom Of Top Packer
Packer	5.00			4244.00	
Stubb	1.00			4245.00	
Perforations	3.00			4248.00	
Change Over Sub	1.00			4249.00	
Recorder	0.00	8018	Inside	4249.00	
Blank Spacing	30.00			4279.00	
Change Over Sub	1.00			4280.00	
Recorder	0.00	11084	Outside	4280.00	
Perforations	21.00			4301.00	
Bullnose	3.00			4304.00	60.00 Bottom Packers & Anchor

Total Tool Length: 80.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pntail Petroleum LTD

Johnson JM # 1-31

225 N Market Ste 300
Wichita KS 67202

31 19 23W Ness KS

Job Ticket: 27133

DST#: 1

ATTN: Flip Phillips

Test Start: 2007.01.07 @ 09:43:54

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:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	DM w/O stain	0.443
0.00	180 GIP	0.000

Total Length: 90.00 ft

Total Volume: 0.443 bbl

Num Fluid Samples: 0

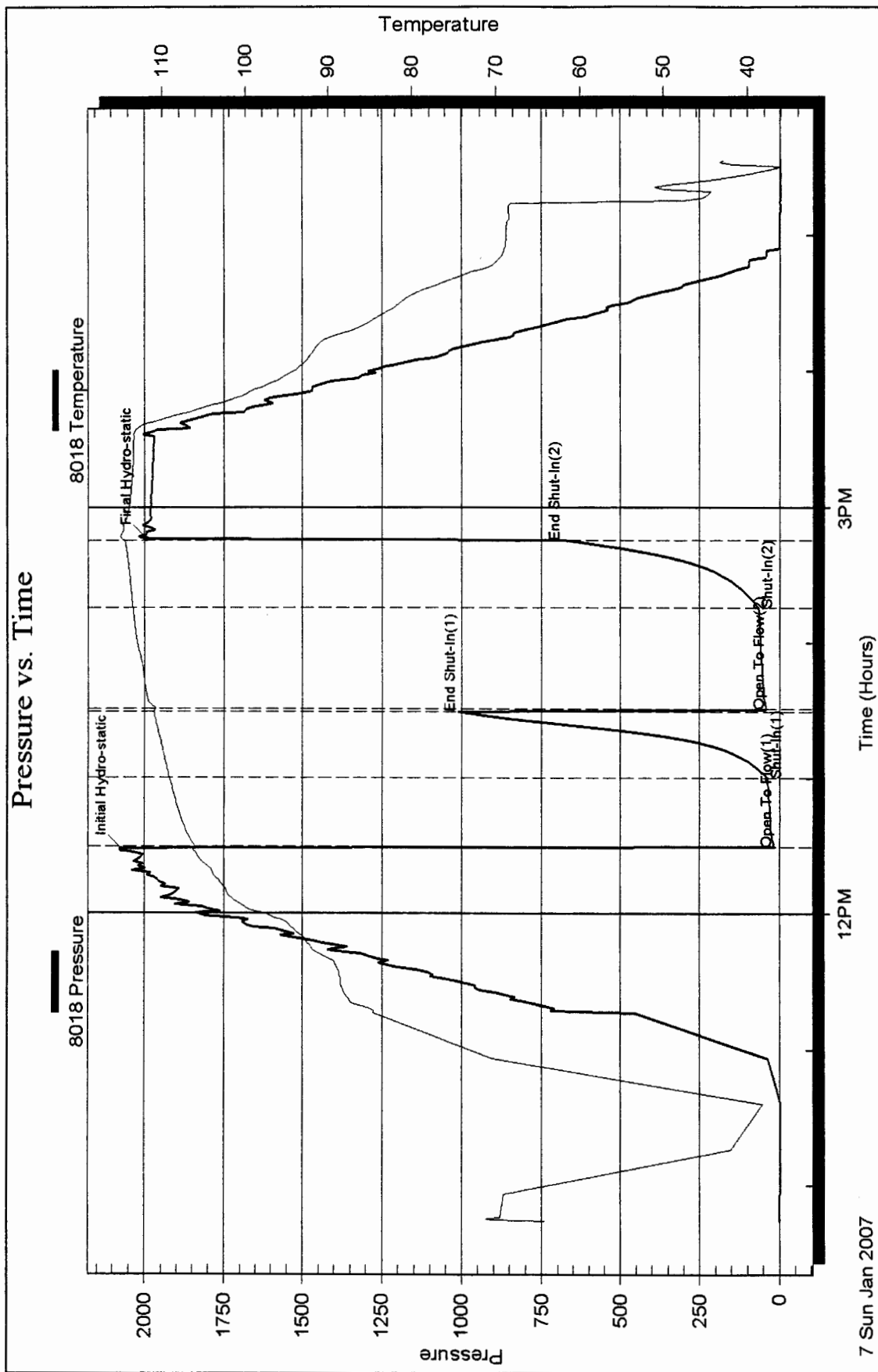
Num Gas Bombs: 0

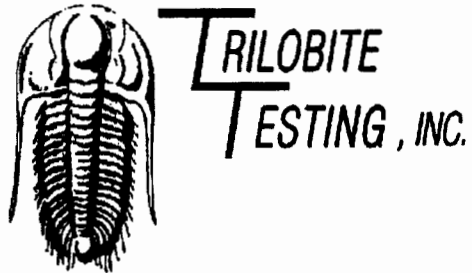
Serial #:

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

31 19 23W Ness KS

Johnson JM # 1-31

Start Date: 2007.01.08 @ 04:18:51

End Date: 2007.01.08 @ 10:45:21

Job Ticket #: 27134 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 LTD

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Johnson JM # 1-31

31 19 23W Ness KS

Job Ticket: 27134

DST#: 2

Test Start: 2007.01.08 @ 04:18:51

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:35:21

Time Test Ended: 10:45:21

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **4318.00 ft (KB) To 4386.00 ft (KB) (TVD)**

Total Depth: 4386.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2300.00 ft (KB)

2295.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: 35.33 psig @ 4323.00 ft (KB)

Start Date: 2007.01.08

End Date:

2007.01.08

Capacity: 7000.00 psig

Last Calib.: 2007.01.08

Start Time: 04:18:56

End Time:

10:45:20

Time On Btm: 2007.01.08 @ 06:34:51

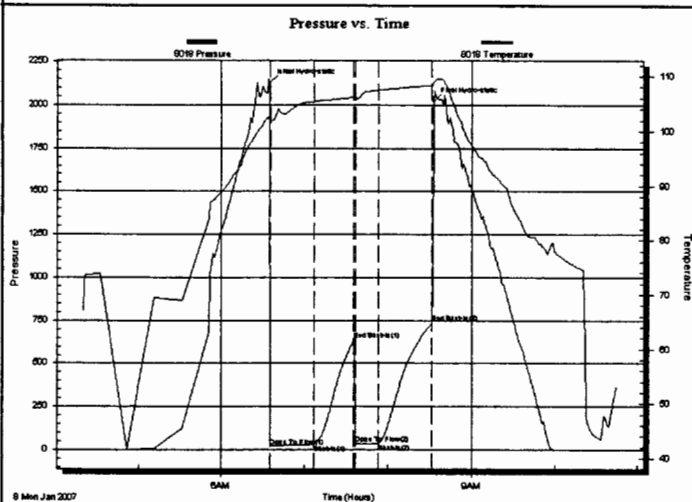
Time Off Btm: 2007.01.08 @ 08:32:21

TEST COMMENT: IF Weak built to 1" decrease to surface

ISI Dead

FF Weak Dead in 15 min.

FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2125.10	102.69	Initial Hydro-static
1	19.12	102.09	Open To Flow (1)
32	29.48	105.30	Shut-In(1)
61	639.85	106.17	End Shut-In(1)
62	33.23	105.89	Open To Flow (2)
78	35.33	107.48	Shut-In(2)
117	737.42	108.36	End Shut-In(2)
118	2021.75	108.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOCM 3%O 97%M	0.15

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum LTD

Johnson JM # 1-31

225 N Market Ste 300
Wichita KS 67202

31 19 23W Ness KS

Job Ticket: 27134

DST#: 2

ATTN: Flip Phillips

Test Start: 2007.01.08 @ 04:18:51

Tool Information

Drill Pipe:	Length: 4196.00 ft	Diameter: 3.80 inches	Volume: 58.86 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	65000.00 lb
		Total Volume:	59.47 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	4318.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	68.00 ft				
Tool Length:	88.00 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			4299.00	
Shut In Tool	5.00			4304.00	
Hydraulic tool	5.00			4309.00	
Packer	4.00			4313.00	20.00 Bottom Of Top Packer
Packer	5.00			4318.00	
Stubb	1.00			4319.00	
Perforations	3.00			4322.00	
Change Over Sub	1.00			4323.00	
Recorder	0.00	8018	Inside	4323.00	
Blank Spacing	32.00			4355.00	
Change Over Sub	1.00			4356.00	
Recorder	0.00	11084	Outside	4356.00	
Perforations	27.00			4383.00	
Bullnose	3.00			4386.00	68.00 Bottom Packers & Anchor

Total Tool Length: 88.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum LTD

Johnson JM # 1-31

225 N Market Ste 300
Wichita KS 67202

31 19 23W Ness KS

Job Ticket: 27134

DST#: 2

ATTN: Flip Phillips

Test Start: 2007.01.08 @ 04:18:51

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SOCM 3%O 97%M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

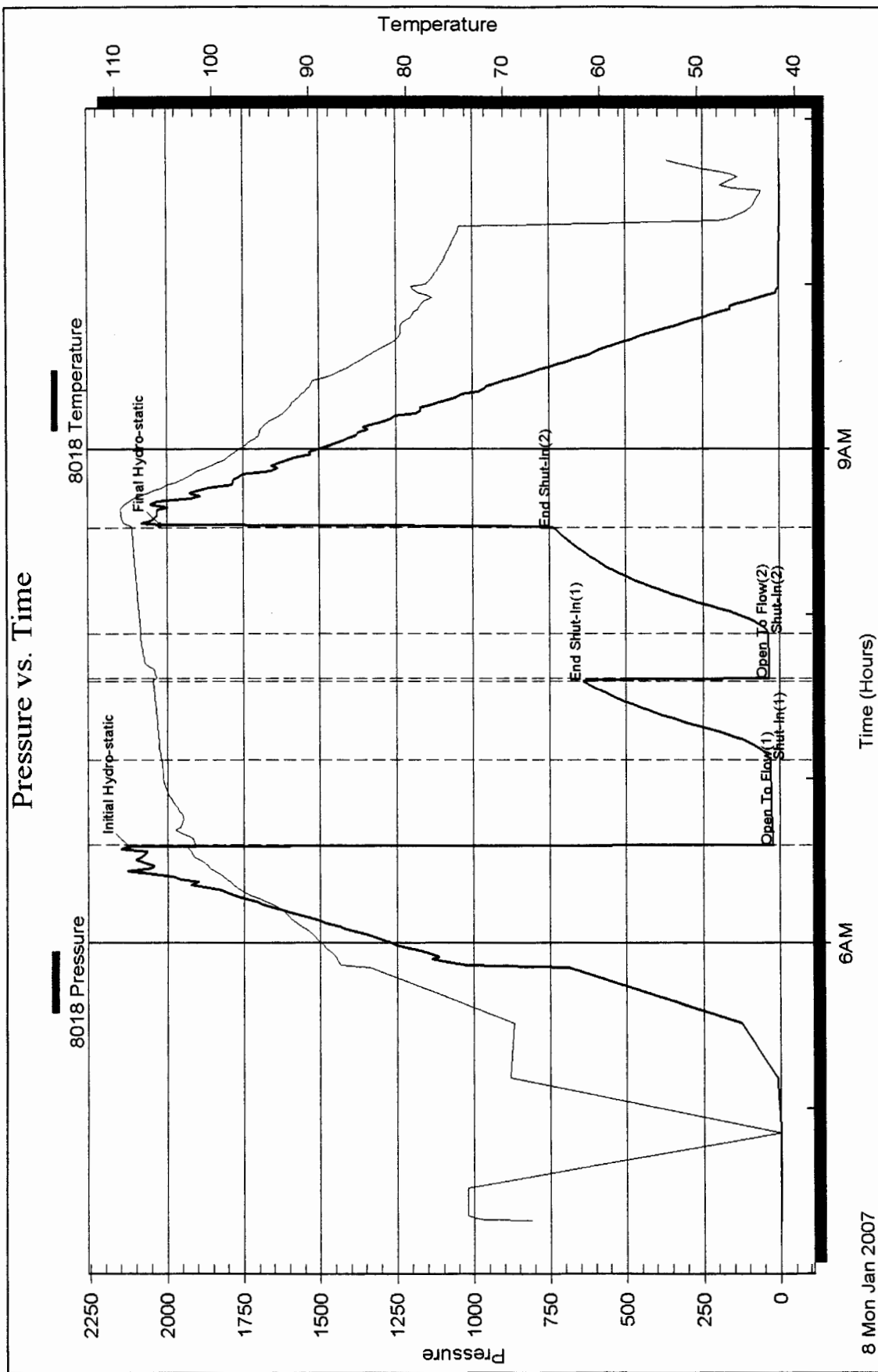
Serial #:

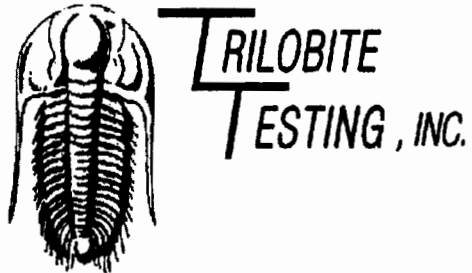
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum LTD**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

31 19 23W Ness KS

Johnson JM # 1-31

Start Date: 2007.01.08 @ 17:27:23

End Date: 2007.01.09 @ 01:04:23

Job Ticket #: 27135 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 LTD

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Johnson JM # 1-31

31 19 23W Ness KS

Job Ticket: 27135

DST#: 3

Test Start: 2007.01.08 @ 17:27:23

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:12:53

Time Test Ended: 01:04:23

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **4376.00 ft (KB) To 4396.00 ft (KB) (TVD)**

Total Depth: 4396.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2300.00 ft (KB)

2295.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8018** Inside

Press@RunDepth: 67.29 psig @ 4378.00 ft (KB)

Start Date: 2007.01.08

End Date:

2007.01.09

Start Time: 17:27:28

End Time:

01:04:22

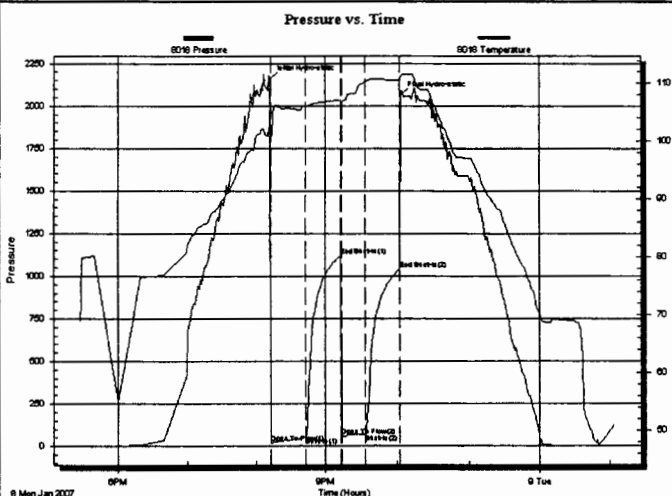
Capacity: 7000.00 psig

Last Calib.: 2007.01.09

Time On Btm: 2007.01.08 @ 20:12:23

Time Off Btm: 2007.01.08 @ 22:03:23

TEST COMMENT: IF Weak 1 1/2 " flush tool no help
ISI Dead
FF Dead flush tool weak surface.
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2159.14	101.84	Initial Hydro-static
1	17.75	101.01	Open To Flow (1)
31	52.27	106.06	Shut-In (1)
60	1118.85	107.13	End Shut-In (1)
61	56.39	106.76	Open To Flow (2)
81	67.29	110.35	Shut-In (2)
111	1041.90	110.62	End Shut-In (2)
111	2058.12	111.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	MCO 42%M 58%O	0.68

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

Johnson JM # 1-31

31 19 23W Ness KS

Job Ticket: 27135

DST#: 3

Test Start: 2007.01.08 @ 17:27:23

Tool Information

Drill Pipe:	Length: 4259.00 ft	Diameter: 3.80 inches	Volume: 59.74 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	60.35 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4376.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 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			4357.00	
Shut In Tool	5.00			4362.00	
Hydraulic tool	5.00			4367.00	
Packer	4.00			4371.00	20.00 Bottom Of Top Packer
Packer	5.00			4376.00	
Stubb	1.00			4377.00	
Perforations	1.00			4378.00	
Recorder	0.00	8018	Inside	4378.00	
Perforations	15.00			4393.00	
Recorder	0.00	11084	Outside	4393.00	
Bullnose	3.00			4396.00	20.00 Bottom Packers & Anchor

Total Tool Length: 40.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum LTD

Johnson JM # 1-31

225 N Market Ste 300
Wichita KS 67202

31 19 23W Ness KS

Job Ticket: 27135

DST#: 3

ATTN: Flip Phillips

Test Start: 2007.01.08 @ 17:27:23

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:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	MCO 42%M 58%O	0.685

Total Length: 130.00 ft

Total Volume: 0.685 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

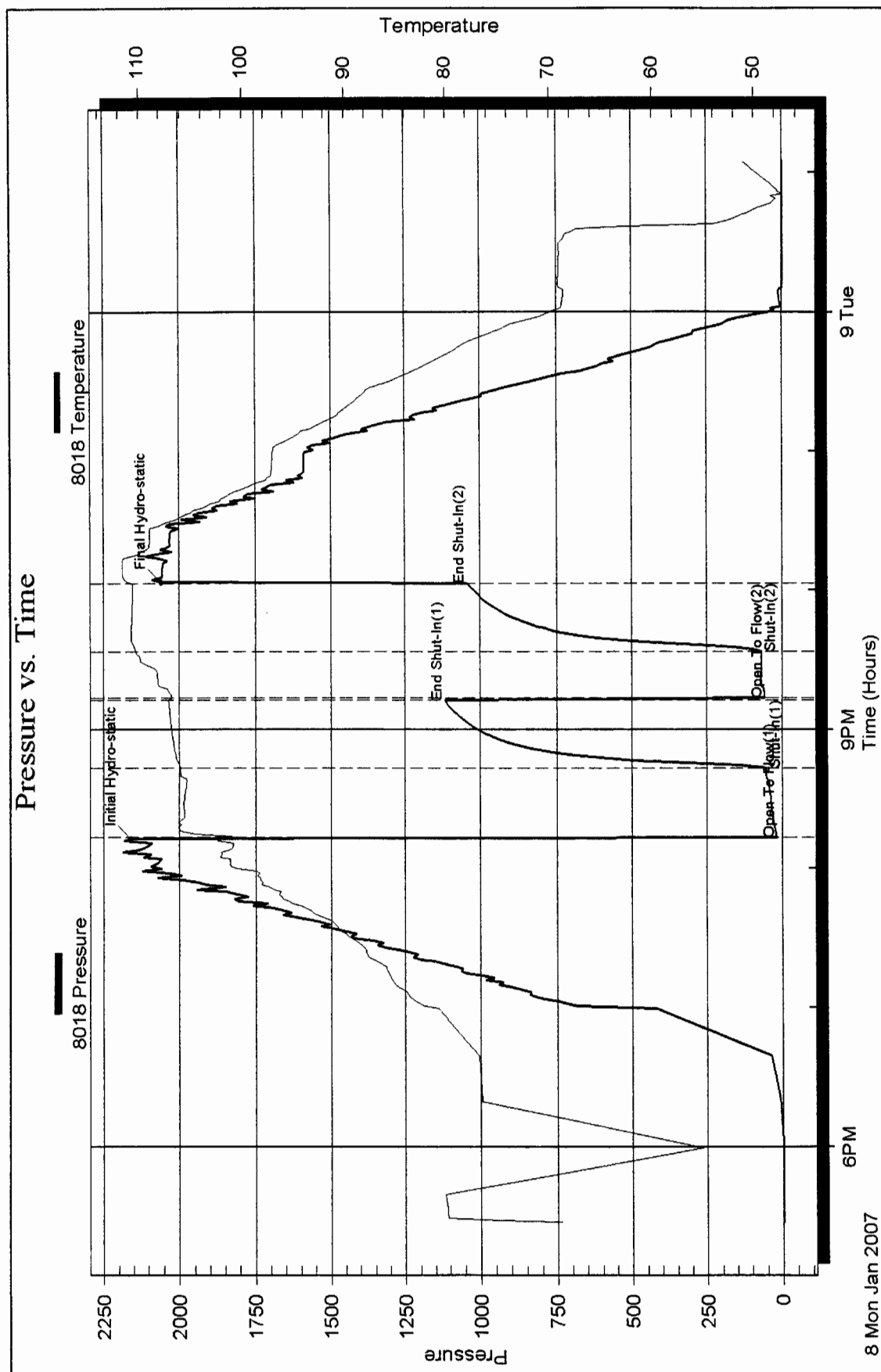
Serial #:

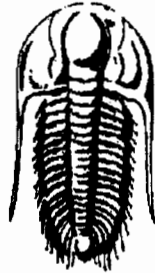
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum LTD**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

31 19 23W Ness KS

Johnson JM # 1-31

Start Date: 2007.01.09 @ 08:47:52

End Date: 2007.01.09 @ 13:22:16

Job Ticket #: 27136 DST #: 4

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 LTD

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Johnson JM # 1-31

31 19 23W Ness KS

Job Ticket: 27136

DST#: 4

Test Start: 2007.01.09 @ 08:47:52

GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 00:00:00

Time Test Ended: 13:22:16

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **4383.00 ft (KB) To 4403.00 ft (KB) (TVD)**

Total Depth: **4403.00 ft (KB) (TVD)**

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

Reference Elevations: **2300.00 ft (KB)**

2295.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8018 **Inside**

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

Start Date: **2007.01.09**

End Date:

2007.01.09

Capacity: **7000.00 psig**

Last Calib.: **2007.01.09**

Start Time: **08:47:52**

End Time:

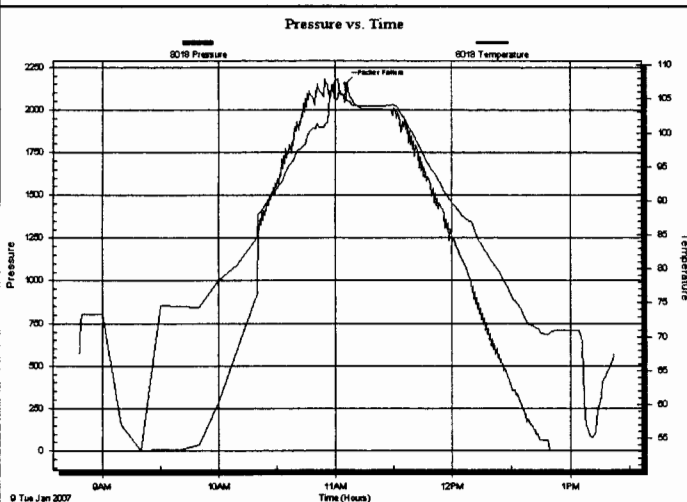
13:22:16

Time On Btm:

Time Off Btm:

TEST COMMENT: IF

Packer Failure



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2151.88	105.07	--Packer Failure

Recovery

Length (ft)	Description	Volume (bbl)

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

Johnson JM # 1-31

31 19 23W Ness KS

Job Ticket: 27136

DST#: 4

Test Start: 2007.01.09 @ 08:47:52

Tool Information

Drill Pipe:	Length: 4256.00 ft	Diameter: 3.80 inches	Volume: 59.70 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	lb
		Total Volume:	60.31 bbl	Tool Chased	ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	lb
Depth to Top Packer:	4383.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	40.00 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		4364.00	
Shut In Tool	5.00		4369.00	
Hydraulic tool	5.00		4374.00	
Packer	4.00		4378.00	20.00 Bottom Of Top Packer
Packer	5.00		4383.00	
Stubb	1.00		4384.00	
Perforations	1.00		4385.00	
Recorder	0.00	8018 Inside	4385.00	
Perforations	15.00		4400.00	
Recorder	0.00	13308 Outside	4400.00	
Bullnose	3.00		4403.00	20.00 Bottom Packers & Anchor

Total Tool Length: 40.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum LTD

Johnson JM # 1-31

225 N Market Ste 300
Wichita KS 67202

31 19 23W Ness KS

ATTN: Flip Phillips

Job Ticket: 27136

DST#: 4

Test Start: 2007.01.09 @ 08:47:52

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

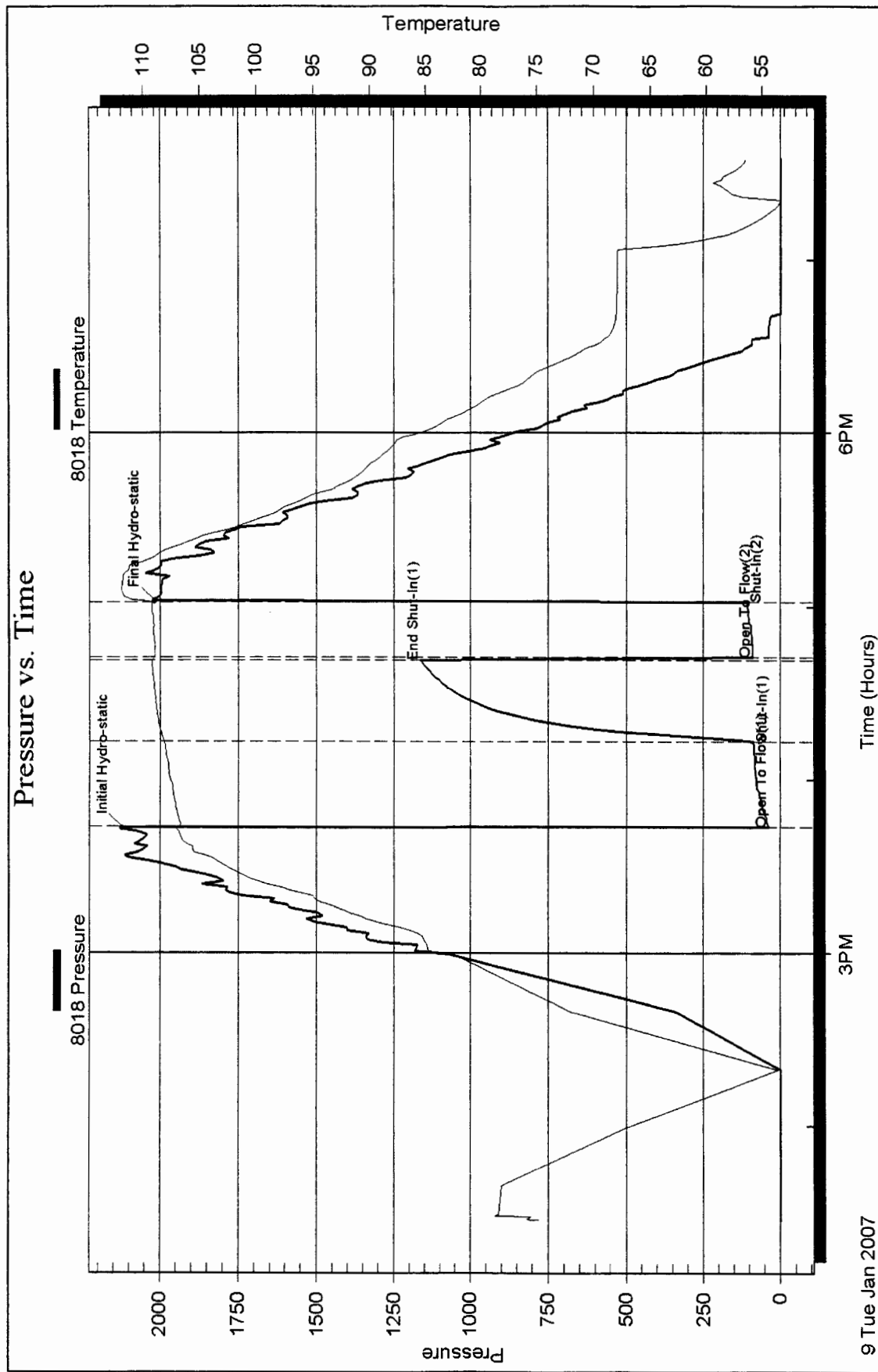
Serial #:

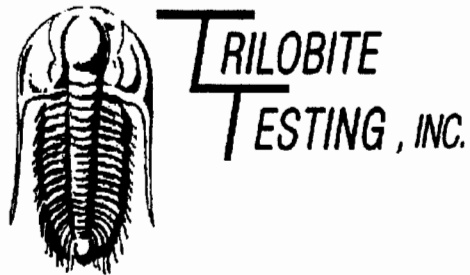
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum LTD**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

31 19 23W Ness KS

Johnson JM # 1-31

Start Date: 2007.01.09 @ 13:27:28

End Date: 2007.01.09 @ 19:34:28

Job Ticket #: 27137 DST #: 5

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 LTD

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Johnson JM # 1-31

31 19 23W Ness KS

Job Ticket: 27137

DST#: 5

Test Start: 2007.01.09 @ 13:27:28

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:43:28

Time Test Ended: 19:34:28

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **4280.00 ft (KB) To 4403.00 ft (KB) (TVD)**

Total Depth: 4403.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2300.00 ft (KB)

2295.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: 85.09 psig @ 4290.00 ft (KB)

Start Date: 2007.01.09

End Date:

2007.01.09

Start Time: 13:27:33

End Time:

19:34:27

Capacity: 7000.00 psig

Last Calib.: 2007.01.09

Time On Btm: 2007.01.09 @ 15:42:58

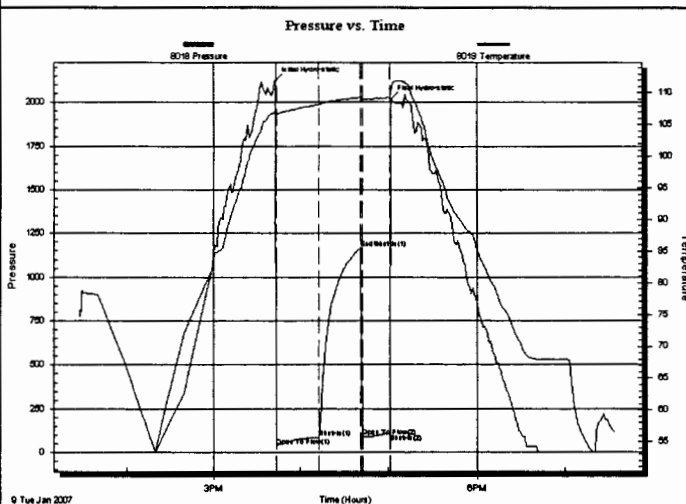
Time Off Btm: 2007.01.09 @ 17:01:58

TEST COMMENT: IF Weak built to 4 "

ISI Dead

FF Weak built to 2 " flush tool no help

FSI-----



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2121.85	107.20	Initial Hydro-static
1	36.04	106.73	Open To Flow (1)
30	85.09	108.13	Shut-In(1)
59	1164.68	109.25	End Shut-In(1)
60	88.68	108.97	Open To Flow (2)
79	105.67	109.19	Shut-In(2)
79	2017.11	109.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
175.00	DMud w/ Oil spots	1.32
0.00	60 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

Johnson JM # 1-31

31 19 23W Ness KS

Job Ticket: 27137

DST#: 5

Test Start: 2007.01.09 @ 13:27:28

Tool Information

Drill Pipe:	Length: 4163.00 ft	Diameter: 3.80 inches	Volume: 58.40 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 59.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4280.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	123.00 ft			
Tool Length:	143.00 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			4261.00	
Shut In Tool	5.00			4266.00	
Hydraulic tool	5.00			4271.00	
Packer	4.00			4275.00	20.00 Bottom Of Top Packer
Packer	5.00			4280.00	
Stubb	1.00			4281.00	
Perforations	8.00			4289.00	
Change Over Sub	1.00			4290.00	
Recorder	0.00	8018	Inside	4290.00	
Blank Spacing	94.00			4384.00	
Change Over Sub	1.00			4385.00	
Perforations	15.00			4400.00	
Recorder	0.00	13308	Outside	4400.00	
Bullnose	3.00			4403.00	123.00 Bottom Packers & Anchor

Total Tool Length: 143.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum LTD

Johnson JM # 1-31

225 N Market Ste 300
Wichita KS 67202

31 19 23W Ness KS

ATTN: Flip Phillips

Job Ticket: 27137

DST#: 5

Test Start: 2007.01.09 @ 13:27:28

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:

bbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
175.00	DMud w / Oil spots	1.316
0.00	60 GIP	0.000

Total Length: 175.00 ft

Total Volume: 1.316 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

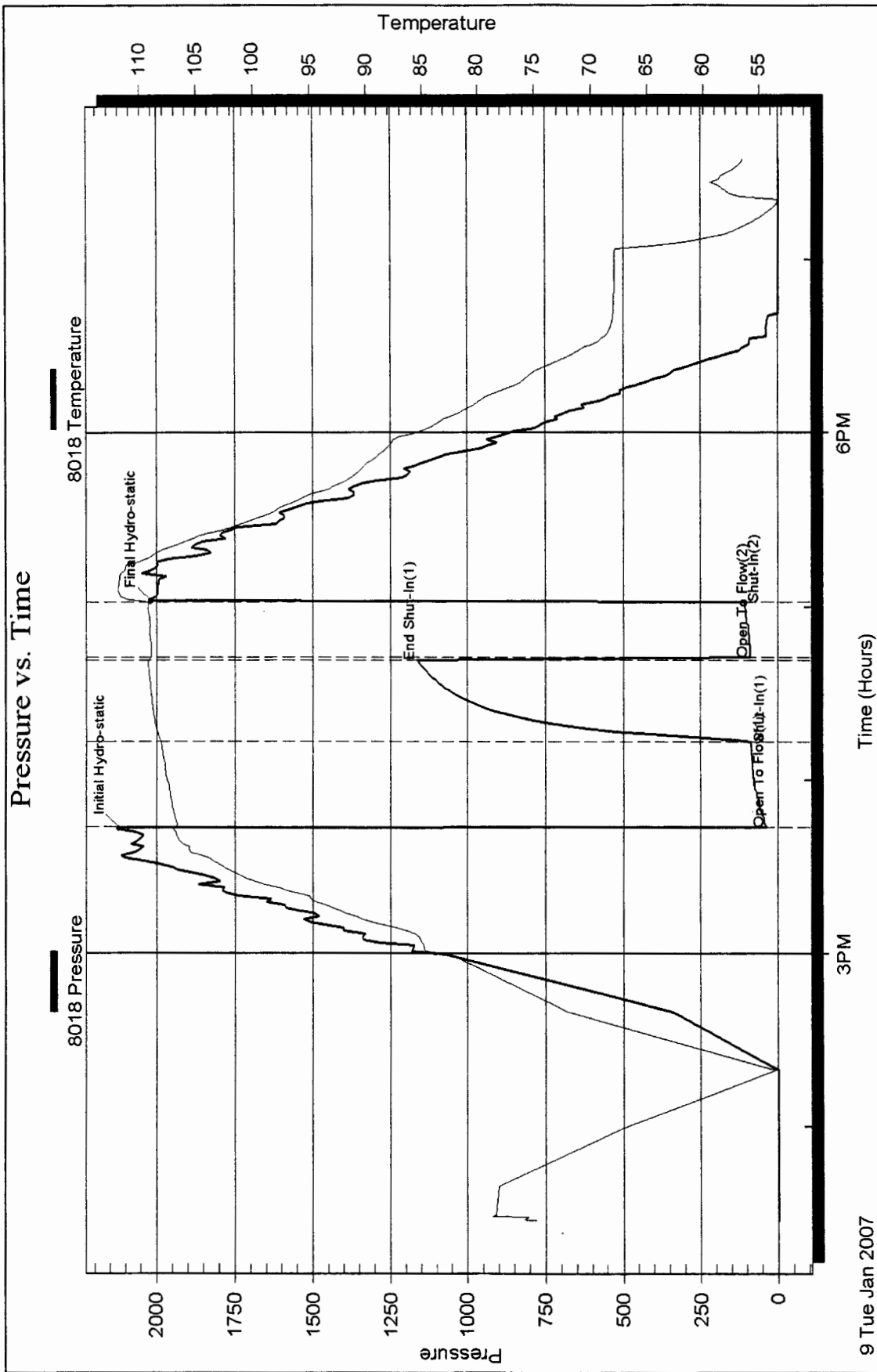
Serial #:

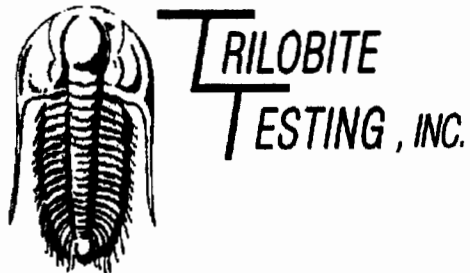
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum LTD**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

31 19 23W Ness KS

Johnson JM # 1-31

Start Date: 2007.01.10 @ 05:31:05

End Date: 2007.01.10 @ 13:00:05

Job Ticket #: 27138 DST #: 6

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 LTD

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Johnson JM # 1-31

31 19 23W Ness KS

Job Ticket: 27138

DST#: 6

Test Start: 2007.01.10 @ 05:31:05

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:10:05

Time Test Ended: 13:00:05

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: 4314.00 ft (KB) To 4414.00 ft (KB) (TVD)

Total Depth: 4414.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2300.00 ft (KB)

2295.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: 638.08 psig @ 4323.00 ft (KB)

Start Date: 2007.01.10

End Date:

2007.01.10

Start Time: 05:31:10

End Time:

13:00:04

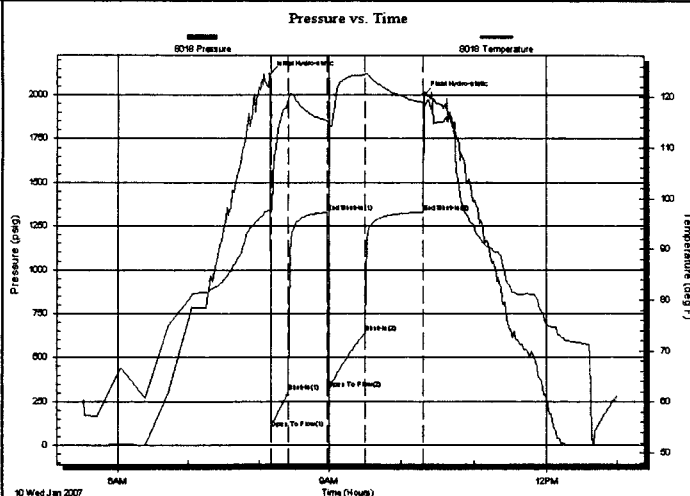
Capacity: 7000.00 psig

Last Calib.: 2007.01.10

Time On Btm: 2007.01.10 @ 08:09:35

Time Off Btm: 2007.01.10 @ 10:18:35

TEST COMMENT: IF Strong BOB in 2 min.
ISI Dead
FF Strong BOB in 3 min.
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.69	97.67	Initial Hydro-static
1	95.35	97.20	Open To Flow (1)
16	303.84	119.74	Shut-In(1)
49	1328.19	115.24	End Shut-In(1)
50	321.47	114.76	Open To Flow (2)
80	638.08	124.43	Shut-In(2)
129	1330.50	118.84	End Shut-In(2)
129	2001.29	118.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1380.00	MSW	18.22

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

Johnson JM # 1-31

31 19 23W Ness KS

Job Ticket: 27138

DST#: 6

Test Start: 2007.01.10 @ 05:31:05

Tool Information

Drill Pipe:	Length: 4192.00 ft	Diameter: 3.80 inches	Volume: 58.80 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume: 59.41 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4314.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.00 ft			
Tool Length:	120.00 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			4295.00	
Shut In Tool	5.00			4300.00	
Hydraulic tool	5.00			4305.00	
Packer	4.00			4309.00	20.00 Bottom Of Top Packer
Packer	5.00			4314.00	
Stubb	1.00			4315.00	
Perforations	7.00			4322.00	
Change Over Sub	1.00			4323.00	
Recorder	0.00	8018	Inside	4323.00	
Blank Spacing	62.00			4385.00	
Change Over Sub	1.00			4386.00	
Recorder	0.00	11084	Outside	4386.00	
Perforations	25.00			4411.00	
Bullnose	3.00			4414.00	100.00 Bottom Packers & Anchor

Total Tool Length: 120.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum LTD

Johnson JM # 1-31

225 N Market Ste 300
Wichita KS 67202

31 19 23W Ness KS

Job Ticket: 27138

DST#: 6

ATTN: Flip Phillips

Test Start: 2007.01.10 @ 05:31:05

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:

18000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1380.00	MSW	18.219

Total Length: 1380.00 ft

Total Volume: 18.219 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

