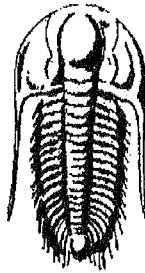


15-135-2440

2-19s-25w



TRILOBITE
TESTING, INC.

KCC
MAR 30 2006
CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum, Ltd.**

225 N. Market Ste. 300
Wichita, KS 67202

ATTN: Flip Phillips

Sec. 2 19s 25w

Humburg A #2

Start Date: 2006.02.11 @ 03:07:01

End Date: 2006.02.11 @ 12:00:15

Job Ticket #: 23213

DST #: 1

RECEIVED
APR 06 2006
KCC WICHITA

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

Humburg A #2

Sec. 2 19s 25w

Job Ticket: 23213

DST#: 1

Test Start: 2006.02.11 @ 03:07:01

GENERAL INFORMATION:

Formation: **Ft. Scott**

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

Time Tool Opened: 06:13:30

Time Test Ended: 12:00:15

Test Type: **Conventional Bottom Hole**

Tester: **Chuck Smith**

Unit No: **18**

Interval: **4260.00 ft (KB) To 4313.00 ft (KB) (TVD)**

Total Depth: **4313.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2390.00 ft (KB)**

2385.00 ft (CF)

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

Serial #: 8017

Inside

Press@RunDepth: **126.45 psig @ 4265.00 ft (KB)**

Start Date: **2006.02.11**

End Date:

2006.02.11

Start Time: **03:07:01**

End Time:

12:00:15

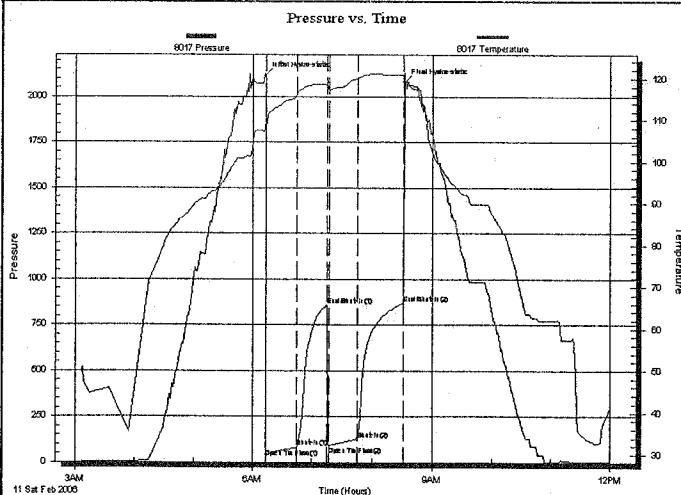
Capacity: **7000.00 psig**

Last Calib.: **2006.02.11**

Time On Btm: **2006.02.11 @ 06:12:30**

Time Off Btm: **2006.02.11 @ 08:31:45**

TEST COMMENT: IF: B.O.B. in 2 1/2 min. over 30 min.
IS: No return over 30 min.
FF: B.O.B. in 3 min. over 30 min.
FS: Weak blow built to 1" over 45 min.



PRESSURE SUMMARY

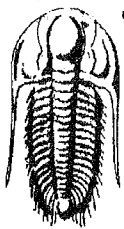
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2115.44	108.79	Initial Hydro-static
1	24.50	108.31	Open To Flow (1)
33	81.42	116.48	Shut-In(1)
62	859.80	118.45	End Shut-In(1)
64	90.70	117.08	Open To Flow (2)
92	126.45	120.04	Shut-In(2)
139	869.57	120.76	End Shut-In(2)
140	2080.98	121.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCMG 15%O 40%G 45%M	1.68
90.00	HOCMG 10%G 30%O 60%M	1.26
60.00	HOCMG 25%O 35%M 40%G	0.84

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

Humburg A #2

Sec. 2 19s 25w

Job Ticket: 23213

DST#: 1

Test Start: 2006.02.11 @ 03:07:01

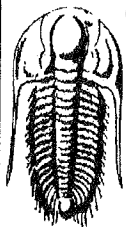
Tool Information

Drill Pipe:	Length: 4254.00 ft	Diameter: 3.80 inches	Volume: 59.67 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 68000.00 lb
		Total Volume: 59.67 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4260.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	72.00 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	5.00			4256.00	19.00 Bottom Of Top Packer
Packer	4.00			4260.00	
Stubb	1.00			4261.00	
Perforations	4.00			4265.00	
Recorder	0.00	8017	Inside	4265.00	
Perforations	10.00			4275.00	
Change Over Sub	1.00			4276.00	
Anchor	31.00			4307.00	
Change Over Sub	1.00			4308.00	
Recorder	0.00	13276	Inside	4308.00	
Bullnose	5.00			4313.00	53.00 Bottom Packers & Anchor

Total Tool Length: 72.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum, Ltd.

Humburg A #2

225 N. Market Ste. 300
Wichita, KS 67202

Sec. 2 19s 25w

Job Ticket: 23213

DST#: 1

ATTN: Flip Phillips

Test Start: 2006.02.11 @ 03:07:01

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: 3200120 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OOCMG 15%O 40%G 45%M	1.683
90.00	HOCMG 10%G 30%O 60%M	1.262
60.00	HOCMG 25%O 35%M 40%G	0.842

Total Length: 270.00 ft

Total Volume: 3.787 bbl

Num Fluid Samples: 0

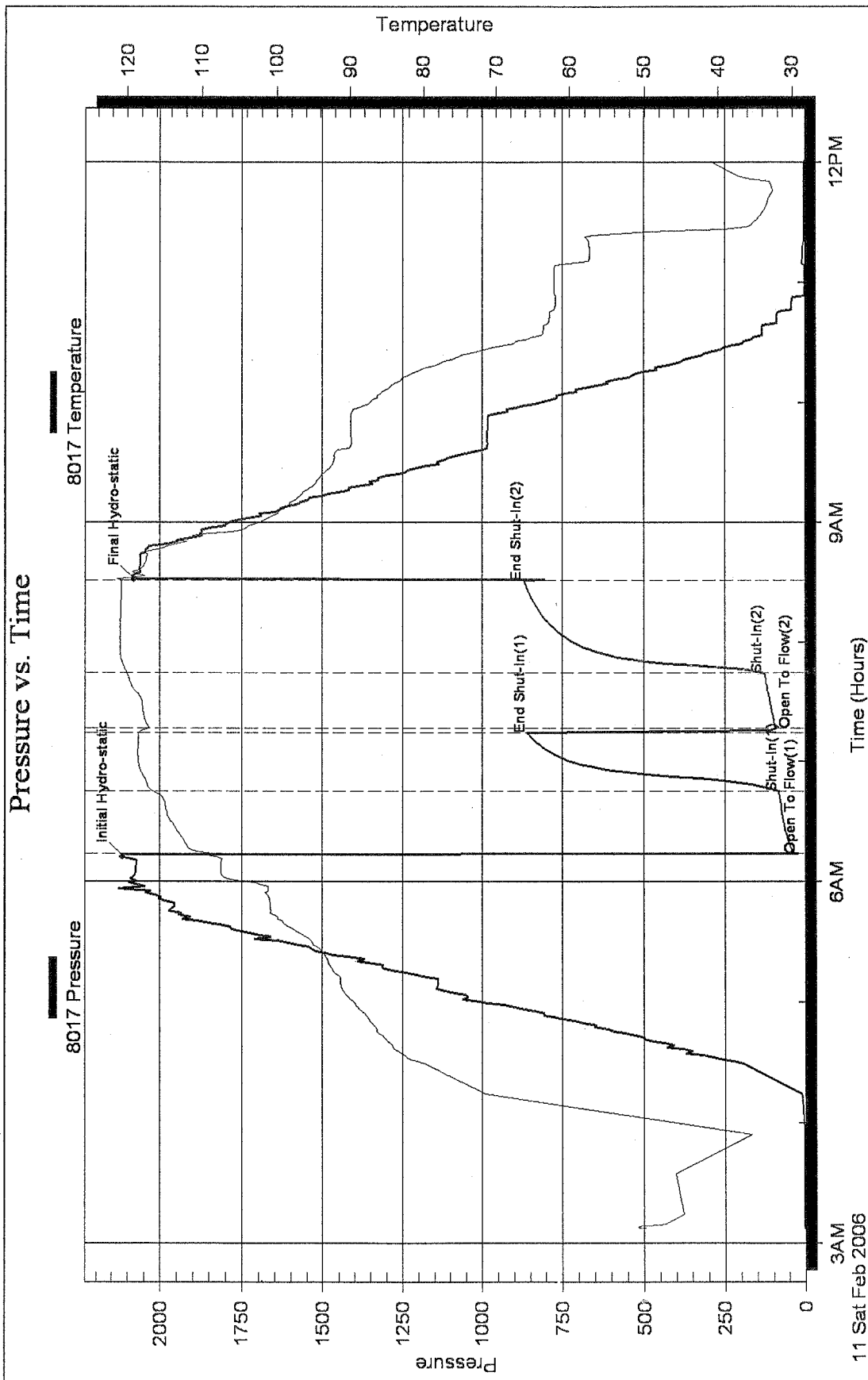
Num Gas Bombs: 0

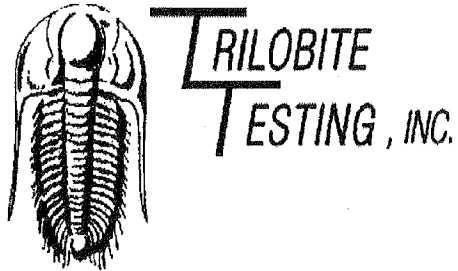
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1,890 feet of gas in pipe.





DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum, Ltd.**

225 N. Market Ste. 300
Wichita, KS 67202

ATTN: Flip Phillips

Sec. 2 19s 25w

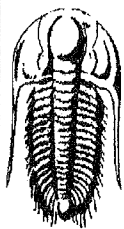
Humburg A #2

Start Date: 2006.02.12 @ 01:43:01

End Date: 2006.02.12 @ 11:25:30

Job Ticket #: 23214 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

Humburg A #2

Sec. 2 19s 25w

Job Ticket: 23214

DST#: 2

Test Start: 2006.02.12 @ 01:43:01

GENERAL INFORMATION:

Formation: **Mississippian**

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

Time Tool Opened: 05:00:00

Time Test Ended: 11:25:30

Test Type: **Conventional Bottom Hole**

Tester: **Chuck Smith**

Unit No: **18**

Interval: **4332.00 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: **2390.00 ft (KB)**

2385.00 ft (CF)

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

Serial #: 8017 **Inside**

Press@RunDepth: **96.61 psig @ 4337.00 ft (KB)**

Start Date: **2006.02.12**

End Date: **2006.02.12**

Start Time: **01:43:01**

End Time: **11:25:30**

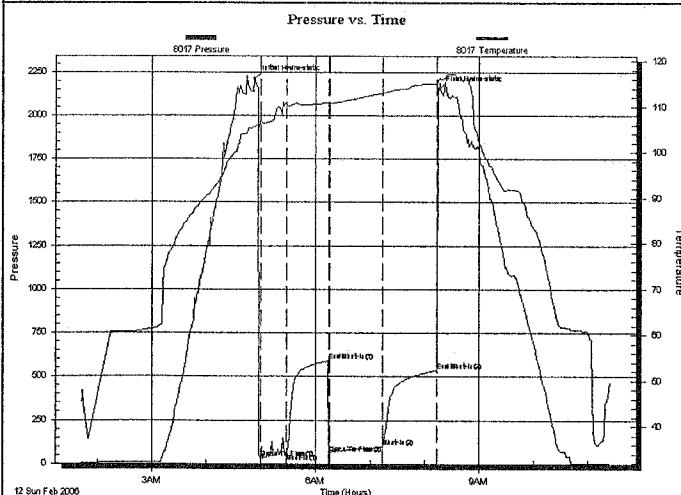
Capacity: **7000.00 psig**

Last Calib.: **2006.02.12**

Time On Btm: **2006.02.12 @ 04:53:30**

Time Off Btm: **2006.02.12 @ 08:15:15**

TEST COMMENT: IF: Fair blow built to 8 1/2" over 30 min.
IS: No return over 45 min.
FF: Weak blow built to 4 1/2" over 60 min.
FS: No return over 60 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2210.16	105.59	Initial Hydro-static
7	30.83	107.23	Open To Flow (1)
35	60.04	110.34	Shut-In(1)
81	589.18	110.81	End Shut-In(1)
82	60.40	110.69	Open To Flow (2)
141	96.61	112.97	Shut-In(2)
201	536.95	114.96	End Shut-In(2)
202	2151.31	115.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	VSOCM 5%O 95%M	0.84
120.00	VSOWCM 5%O 15%W 80%M	1.68

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

Humburg A #2

Sec. 2 19s 25w

Job Ticket: 23214

DST#: 2

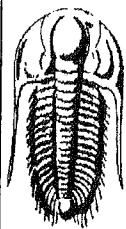
Test Start: 2006.02.12 @ 01:43:01

Tool Information

Drill Pipe:	Length: 4341.00 ft	Diameter: 3.80 inches	Volume: 60.89 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 81000.00 lb
		Total Volume: 60.89 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4332.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	87.00 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			4318.00	
Hydraulic tool	5.00			4323.00	
Packer	5.00			4328.00	19.00 Bottom Of Top Packer
Packer	4.00			4332.00	
Stubb	1.00			4333.00	
Perforations	4.00			4337.00	
Recorder	0.00	8017	Inside	4337.00	
Perforations	25.00			4362.00	
Change Over Sub	1.00			4363.00	
Anchor	31.00			4394.00	
Change Over Sub	1.00			4395.00	
Recorder	0.00	13276	Inside	4395.00	
Bullnose	5.00			4400.00	68.00 Bottom Packers & Anchor

Total Tool Length: 87.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum, Ltd.

Humburg A #2

225 N. Market Ste. 300
Wichita, KS 67202

Sec. 2 19s 25w

Job Ticket: 23214

DST#: 2

ATTN: Flip Phillips

Test Start: 2006.02.12 @ 01:43:01

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:

2200 ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	VSOCM 5%O 95%M	0.842
120.00	VSOWCM 5%O 15%W 80%M	1.683

Total Length: 180.00 ft

Total Volume: 2.525 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 60 Feet Gas in pipe.

Pressure vs. Time

