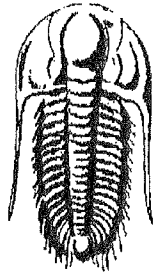


15-135-24674

4-20s-24w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market Ste 300
Wichita KS 67202

ATTN: Beth Isem

4 20 24 Ness KS

Filbert "ER" # 1-4

Start Date: 2007.07.22 @ 09:02:44

End Date: 2007.07.22 @ 15:21:08

Job Ticket #: 28618 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Pintail Petroleum

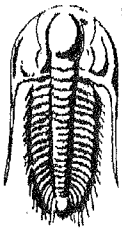
Filbert "ER" # 1-4

4 20 24 Ness KS

DST # 1

Ft. Scott

2007.07.22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pintail Petroleum
225 N Market Ste 300
Wichita KS 67202
ATTN: Beth Isern

Filbert "ER" # 1-4
4 20 24 Ness KS
Job Ticket: 28618 **DST#: 1**
Test Start: 2007.07.22 @ 09:02:44

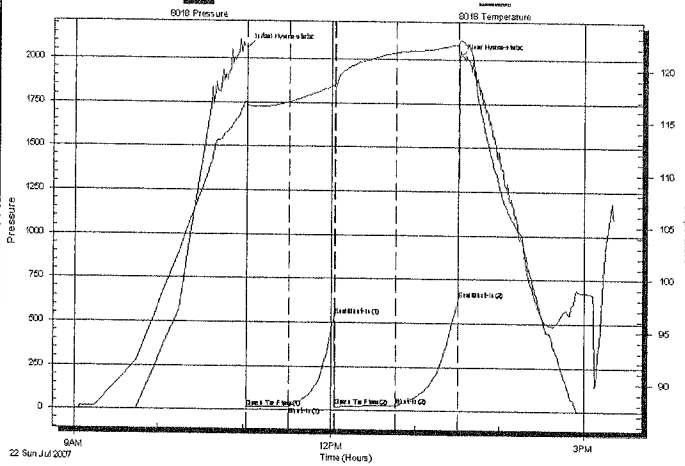
GENERAL INFORMATION:

Formation: **Ft. Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:02:24
Time Test Ended: 15:21:08
Interval: **4260.00 ft (KB) To 4315.00 ft (KB) (TVD)**
Total Depth: 4260.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41
Reference Elevations: 2340.00 ft (KB)
2335.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: 29.62 psig @ 4265.01 ft (KB) Capacity: 7000.00 psig
Start Date: 2007.07.22 End Date: 2007.07.22 Last Calib.: 2007.07.22
Start Time: 09:02:44 End Time: 15:21:08 Time On Btm: 2007.07.22 @ 11:02:09
Time Off Btm: 2007.07.22 @ 13:31:08

TEST COMMENT: IFP Weak blow throughout sur - 2 1/4 "
ISI No blow back
FFP Weak to good blow 1" - 6 "
FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

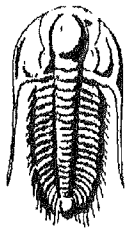
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2062.28	117.00	Initial Hydro-static
1	14.47	116.44	Open To Flow (1)
29	20.04	116.85	Shut-In(1)
61	541.15	118.50	End Shut-In(1)
61	21.55	118.20	Open To Flow (2)
104	29.62	121.61	Shut-In(2)
149	635.95	122.44	End Shut-In(2)
149	2013.00	122.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	SO&GCM 5%G 5%O 90%M	0.49

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

Filbert "ER" # 1-4

225 N Market Ste 300
Wichita KS 67202

4 20 24 Ness KS

Job Ticket: 28618

DST#: 1

ATTN: Beth Isern

Test Start: 2007.07.22 @ 09:02:44

Tool Information

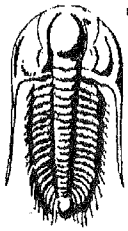
Drill Pipe:	Length: 4264.00 ft	Diameter: 3.80 inches	Volume: 59.81 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.81 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 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:	55.02 ft			
Tool Length:	75.02 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			4245.00	
Hydraulic tool	5.00			4250.00	
Packer	5.00			4255.00	20.00 Bottom Of Top Packer
Packer	5.00			4260.00	
Stubb	1.00			4261.00	
Perforations	3.00			4264.00	
Change Over Sub	1.00			4265.00	
Recorder	0.01	8018	Inside	4265.01	
Blank Spacing	31.00			4296.01	
Change Over Sub	1.00			4297.01	
Perforations	15.00			4312.01	
Recorder	0.01	13548	Outside	4312.02	
Bullnose	3.00			4315.02	55.02 Bottom Packers & Anchor

Total Tool Length: 75.02



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum
225 N Market Ste 300
Wichita KS 67202
ATTN: Beth Isern

Filbert "ER" # 1-4
4 20 24 Ness KS
Job Ticket: 28618 **DST#: 1**
Test Start: 2007.07.22 @ 09:02:44

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: 10.35 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

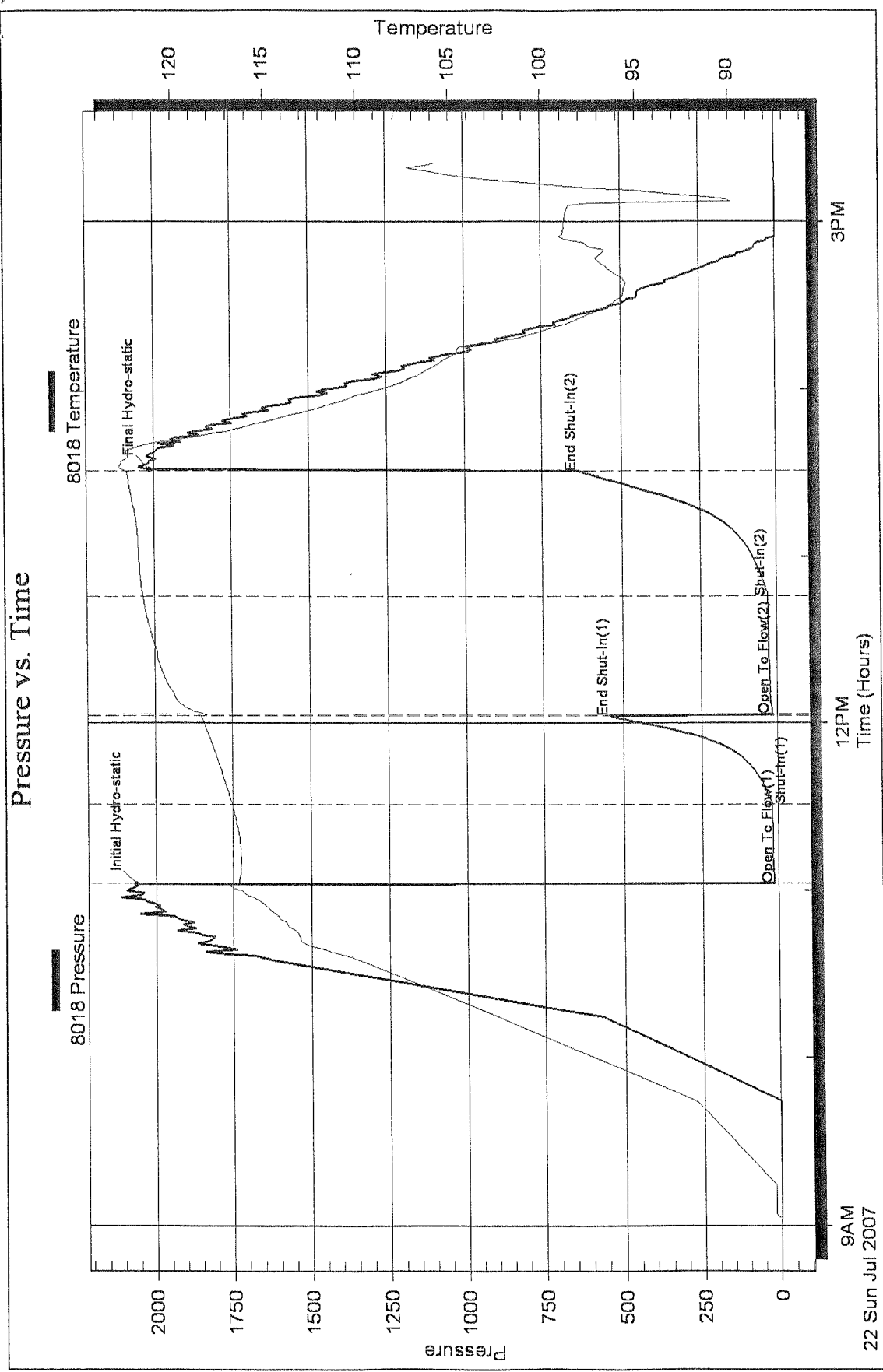
Recovery Information

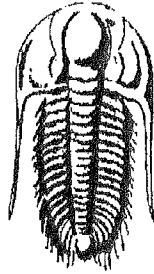
Recovery Table

Length ft	Description	Volume bbl
35.00	SO&GCM 5%G 5%O 90%M	0.491

Total Length: 35.00 ft Total Volume: 0.491 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 105' GIP

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market Ste 300
Wichita KS 67202

ATTN: Beth Isem

4 20 24 Ness KS

Filbert "ER" # 1-4

Start Date: 2007.07.23 @ 05:00:47

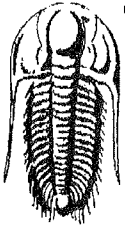
End Date: 2007.07.23 @ 11:13:26

Job Ticket #: 28619 DST #: 2

Trilobite Testing, Inc

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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: Beth Isern

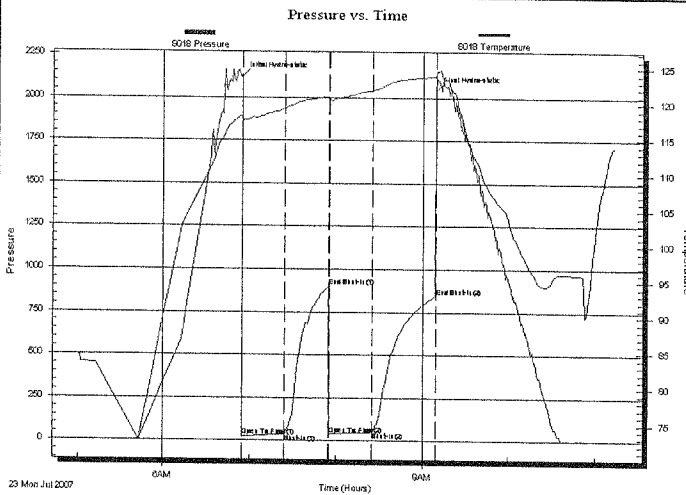
Filbert "ER" # 1-4
4 20 24 Ness KS
Job Ticket: 28619 **DST#: 2**
Test Start: 2007.07.23 @ 05:00:47

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:54:42
Time Test Ended: 11:13:26
Interval: **4328.00 ft (KB) To 4421.00 ft (KB) (TVD)**
Total Depth: 4421.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41
Reference Elevations: 2340.00 ft (KB)
2335.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: 50.52 psig @ 4333.01 ft (KB) Capacity: 7000.00 psig
Start Date: 2007.07.23 End Date: 2007.07.23 Last Calib.: 2007.07.23
Start Time: 05:00:47 End Time: 11:13:26 Time On Btm: 2007.07.23 @ 06:54:27
Time Off Btm: 2007.07.23 @ 09:09:42

TEST COMMENT: IFP Weak to fair blow 1/2" - 5 1/4"
ISI No blow back
FFP Weak to fair blow 1/4" - 4 1/2"
FSI No blow back



PRESSURE SUMMARY

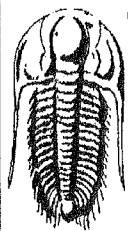
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2120.96	118.35	Initial Hydro-static
1	22.21	117.23	Open To Flow (1)
30	36.63	119.31	Shut-In(1)
61	900.18	121.05	End Shut-In(1)
61	37.09	120.59	Open To Flow (2)
91	50.52	121.88	Shut-In(2)
135	843.40	123.82	End Shut-In(2)
136	2043.35	124.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	GHOCM 10%G 40%O 50%M	1.26

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

Filbert "ER" # 1-4

4 20 24 Ness KS

Job Ticket: 28619

DST#: 2

ATTN: Beth Isern

Test Start: 2007.07.23 @ 05:00:47

Tool Information

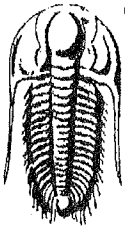
Drill Pipe:	Length: 4327.00 ft	Diameter: 3.80 inches	Volume: 60.70 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 60.70 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4328.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	93.02 ft			
Tool Length:	113.02 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			4313.00	
Hydraulic tool	5.00			4318.00	
Packer	5.00			4323.00	20.00 Bottom Of Top Packer
Packer	5.00			4328.00	
Stubb	1.00			4329.00	
Perforations	3.00			4332.00	
Change Over Sub	1.00			4333.00	
Recorder	0.01	8018	Inside	4333.01	
Blank Spacing	60.00			4393.01	
Change Over Sub	1.00			4394.01	
Perforations	24.00			4418.01	
Recorder	0.01	13548	Outside	4418.02	
Bullnose	3.00			4421.02	93.02 Bottom Packers & Anchor

Total Tool Length: 113.02



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum
225 N Market Ste 300
Wichita KS 67202
ATTN: Beth Isern

Filbert "ER" # 1-4
4 20 24 Ness KS
Job Ticket: 28619 **DST#: 2**
Test Start: 2007.07.23 @ 05:00:47

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: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.76 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

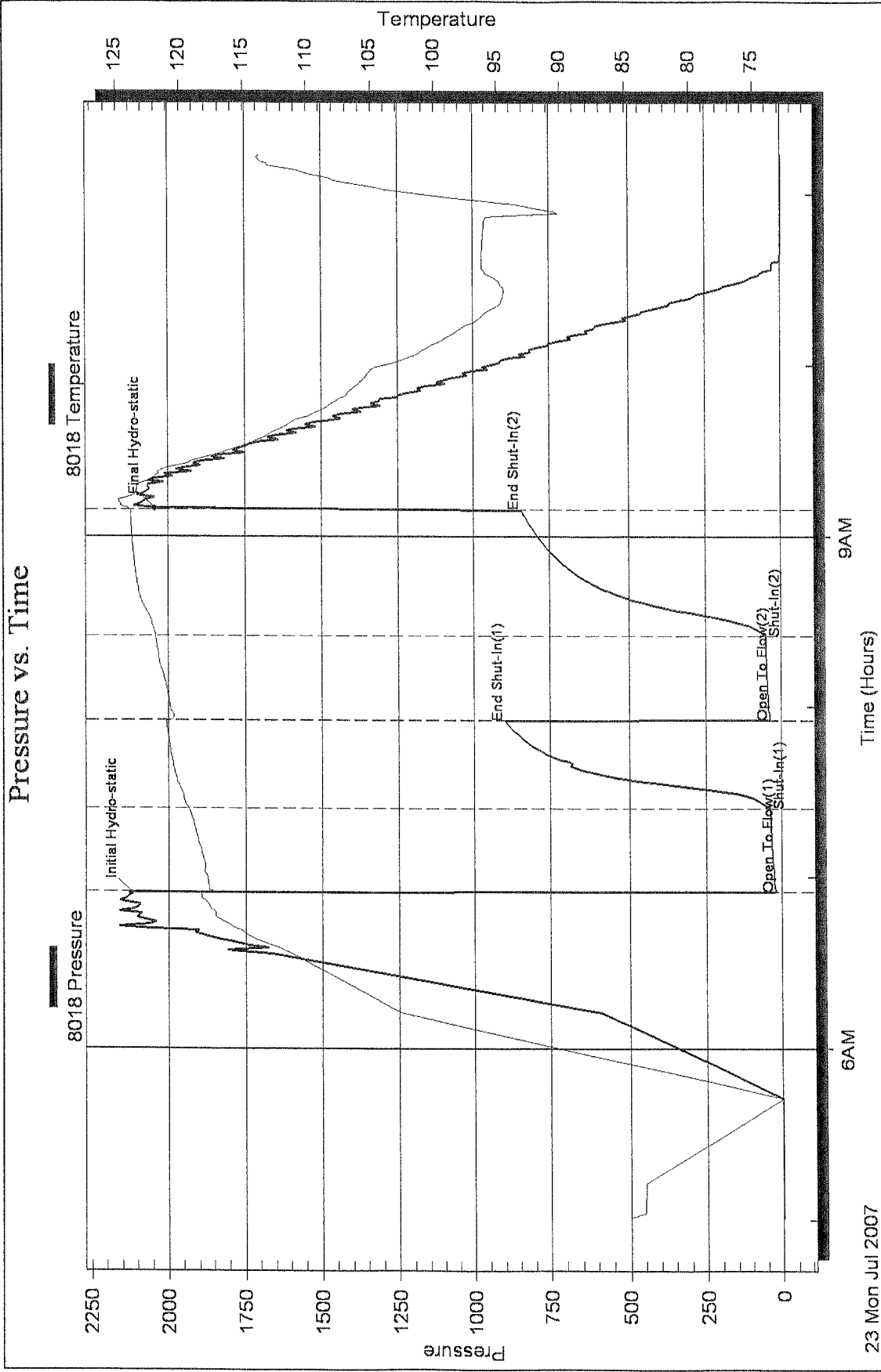
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	GHOCM 10%G 40%O 50%M	1.262

Total Length: 90.00 ft Total Volume: 1.262 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 45' GIP

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market Ste 300
Wichita KS 67202

ATTN: Beth Isem

4 20 24 Ness KS

Filbert "ER" # 1-4

Start Date: 2007.07.23 @ 17:06:06

End Date: 2007.07.23 @ 22:28:00

Job Ticket #: 28620 DST #: 3

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

Pintail Petroleum

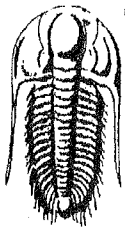
Filbert "ER" # 1-4

4 20 24 Ness KS

DST # 3

Mississippian (2)

2007.07.23



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pintail Petroleum
 225 N Market Ste 300
 Wichita KS 67202
 ATTN: Beth Isern

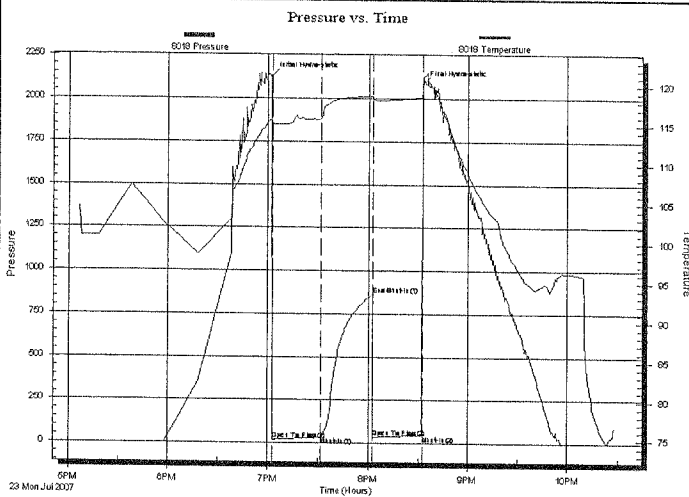
Filbert "ER" # 1-4
4 20 24 Ness KS
 Job Ticket: 28620 **DST#: 3**
 Test Start: 2007.07.23 @ 17:06:06

GENERAL INFORMATION:

Formation: **Mississippian (2)**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:02:31
 Time Test Ended: 22:28:00
 Interval: **4330.00 ft (KB) To 4428.00 ft (KB) (TVD)**
 Total Depth: 4428.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole
 Tester: Brian Fairbank
 Unit No: 41
 Reference Elevations: 2340.00 ft (KB)
 2335.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8018 Inside
 Press@RunDepth: 33.71 psig @ 4335.01 ft (KB) Capacity: 7000.00 psig
 Start Date: 2007.07.23 End Date: 2007.07.23 Last Calib.: 2007.07.23
 Start Time: 17:06:06 End Time: 22:28:00 Time On Btm: 2007.07.23 @ 19:02:16
 Time Off Btm: 2007.07.23 @ 20:32:31

TEST COMMENT: IFP Weak to fair blow 1" - 4"
 ISI No blow back
 FFP No blow 5 min. - 1"
 TIME 30 30 30



PRESSURE SUMMARY

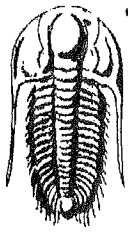
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2128.75	115.74	Initial Hydro-static
1	18.98	114.93	Open To Flow (1)
30	33.71	115.90	Shut-In(1)
60	864.59	118.72	End Shut-In(1)
61	36.68	118.37	Open To Flow (2)
90	46.60	118.58	Shut-In(2)
91	2083.33	119.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SG&OCM 5%G 5%O 90%M	0.42
45.00	GHOCM 5%G 55%O 40%M	0.63

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: Beth Isern

Filbert "ER" # 1-4
4 20 24 Ness KS
Job Ticket: 28620 **DST#: 3**
Test Start: 2007.07.23 @ 17:06:06

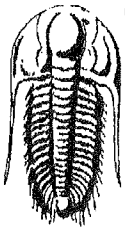
Tool Information

Drill Pipe:	Length: 4327.00 ft	Diameter: 3.80 inches	Volume: 60.70 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 60.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4330.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	98.02 ft			
Tool Length:	118.02 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			4315.00	
Hydraulic tool	5.00			4320.00	
Packer	5.00			4325.00	20.00 Bottom Of Top Packer
Packer	5.00			4330.00	
Stubb	1.00			4331.00	
Perforations	3.00			4334.00	
Change Over Sub	1.00			4335.00	
Recorder	0.01	8018	Inside	4335.01	
Blank Spacing	60.00			4395.01	
Change Over Sub	1.00			4396.01	
Perforations	29.00			4425.01	
Recorder	0.01	13548	Outside	4425.02	
Bullnose	3.00			4428.02	98.02 Bottom Packers & Anchor

Total Tool Length: 118.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

Filbert "ER" # 1-4

225 N Market Ste 300
Wichita KS 67202

4 20 24 Ness KS

Job Ticket: 28620

DST#: 3

ATTN: Beth Isern

Test Start: 2007.07.23 @ 17:06:06

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 9.57 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SG&OCM 5%G 5%O 90%M	0.421
45.00	GHOCM 5%G 55%O 40%M	0.631

Total Length: 75.00 ft

Total Volume: 1.052 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 30' GIP

Pressure vs. Time

