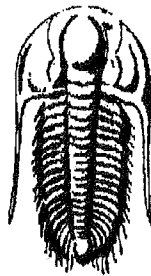


15-195-22617

34-15s-25w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Flip Phillips

34-15s-25w Trego KS

Caruso Trust #1-34

Start Date: 2009.08.26 @ 12:44:05

End Date: 2009.08.26 @ 18:36:59

Job Ticket #: 35359 DST #: 1

KCC
SEP 10 2009
CONFIDENTIAL

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Pintail Petroleum

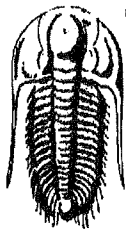
Caruso Trust #1-34

34-15s-25w Trego KS

DST # 1

Fl. Scott

2009.08.26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum
225 N Market, Ste 300
Wichita, KS 67202

Caruso Trust #1-34

34-15s-25w Trego KS

Job Ticket: 35359

DST#: 1

ATTN: Flip Phillips

Test Start: 2009.08.26 @ 12:44:05

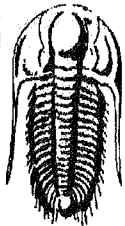
Tool Information

Drill Pipe:	Length: 4149.00 ft	Diameter: 3.80 inches	Volume: 58.20 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 58.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4270.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	85.00 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			4251.00	
Shut In Tool	5.00			4256.00	
Hydraulic tool	5.00			4261.00	
Packer	5.00			4266.00	20.00 Bottom Of Top Packer
Packer	4.00			4270.00	
Stubb	1.00			4271.00	
Recorder	0.00	8322	Inside	4271.00	
Recorder	0.00	6741	Inside	4271.00	
Perforations	26.00			4297.00	
Change Over Sub	1.00			4298.00	
Drill Pipe	31.00			4329.00	
Change Over Sub	1.00			4330.00	
Bullnose	5.00			4335.00	65.00 Bottom Packers & Anchor

Total Tool Length: 85.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

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

Caruso Trust #1-34
34-15s-25w Trego KS
Job Ticket: 35359 DST#: 1
Test Start: 2009.08.26 @ 12:44:05

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.53 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3600.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SOCM 10%o 90%m	0.074
0.00	GIP = 105 ft	0.000

Total Length: 15.00 ft Total Volume: 0.074 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

DST Test Number: 1

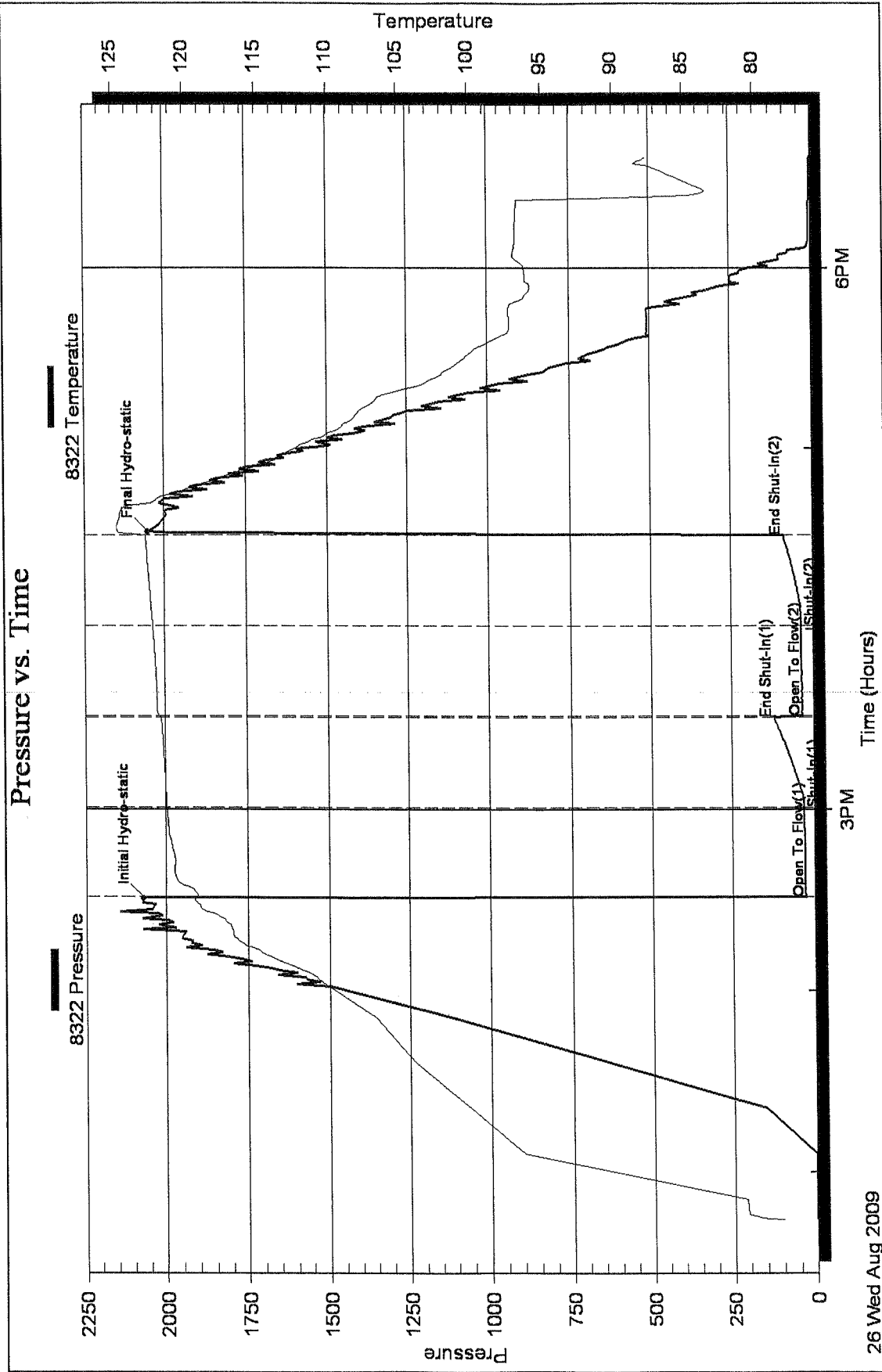
34-15s-25w Trego KS

Final Petroleum

Inside

Serial #: 8322

Pressure vs. Time



26 Wed Aug 2009

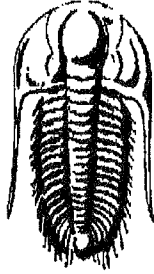
3PM

6PM

Trilobite Testing, Inc

Ref. No: 35359

Printed: 2009.09.03 @ 15:14:55 Page 5



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Flip Phillips

34-15s-25w Trego KS

Caruso Trust #1-34

Start Date: 2009.08.27 @ 05:18:05

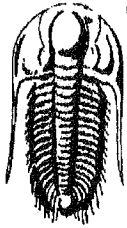
End Date: 2009.08.27 @ 12:17:14

Job Ticket #: 35360 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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: Flip Phillips

Caruso Trust #1-34
34-15s-25w Trego KS
Job Ticket: 35360 **DST#: 2**
Test Start: 2009.08.27 @ 05:18:05

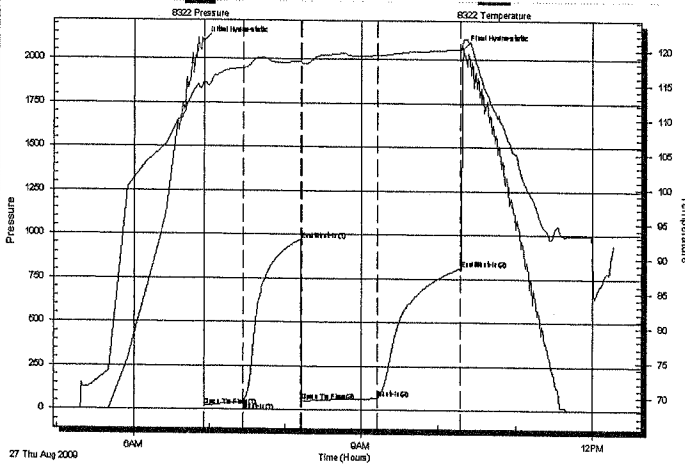
GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:56:00
Time Test Ended: 12:17:14
Interval: **4315.00 ft (KB) To 4405.00 ft (KB) (TVD)**
Total Depth: 4405.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 48
Reference Elevations: 2460.00 ft (KB)
2455.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 Inside
Press@RunDepth: 67.21 psig @ 4316.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2009.08.27 End Date: 2009.08.27 Last Calib.: 2009.08.27
Start Time: 05:18:05 End Time: 12:17:14 Time On Btm: 2009.08.27 @ 06:55:45
Time Off Btm: 2009.08.27 @ 10:19:14

TEST COMMENT: IF: Built to 4 inches.
IS: No return.
FF: Built to 5 inches.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

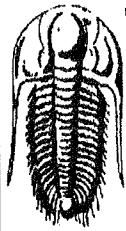
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2101.05	115.38	Initial Hydro-static
1	21.48	115.03	Open To Flow (1)
31	42.28	117.37	Shut-In(1)
77	972.06	118.33	End Shut-In(1)
78	54.04	118.12	Open To Flow (2)
137	67.21	119.27	Shut-In(2)
201	810.21	120.13	End Shut-In(2)
204	2062.55	121.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOCM 10%o 90% m	0.30
90.00	CGO 30%g 70% o	0.71
0.00	GIP = 0	0.00
0.00	API = 40@90 F = 37	0.00

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: Flip Phillips

Caruso Trust #1-34

34-15s-25w Trego KS

Job Ticket: 35360

DST#: 2

Test Start: 2009.08.27 @ 05:18:05

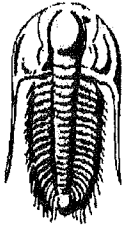
Tool Information

Drill Pipe:	Length: 4181.00 ft	Diameter: 3.80 inches	Volume: 58.65 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 59.25 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4315.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	110.00 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			4296.00	
Shut In Tool	5.00			4301.00	
Hydraulic tool	5.00			4306.00	
Packer	5.00			4311.00	20.00 Bottom Of Top Packer
Packer	4.00			4315.00	
Stubb	1.00			4316.00	
Recorder	0.00	8322	Inside	4316.00	
Recorder	0.00	6741	Inside	4316.00	
Perforations	20.00			4336.00	
Change Over Sub	1.00			4337.00	
Drill Pipe	62.00			4399.00	
Change Over Sub	1.00			4400.00	
Bullnose	5.00			4405.00	90.00 Bottom Packers & Anchor

Total Tool Length: 110.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

Caruso Trust #1-34
34-15s-25w Trego KS
Job Ticket: 35360 **DST#: 2**
Test Start: 2009.08.27 @ 05:18:05

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.53 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3600.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SOCM 10%o 90%m	0.295
90.00	CGO 30%g 70%o	0.707
0.00	GIP = 0	0.000
0.00	API = 40@90 F = 37	0.000

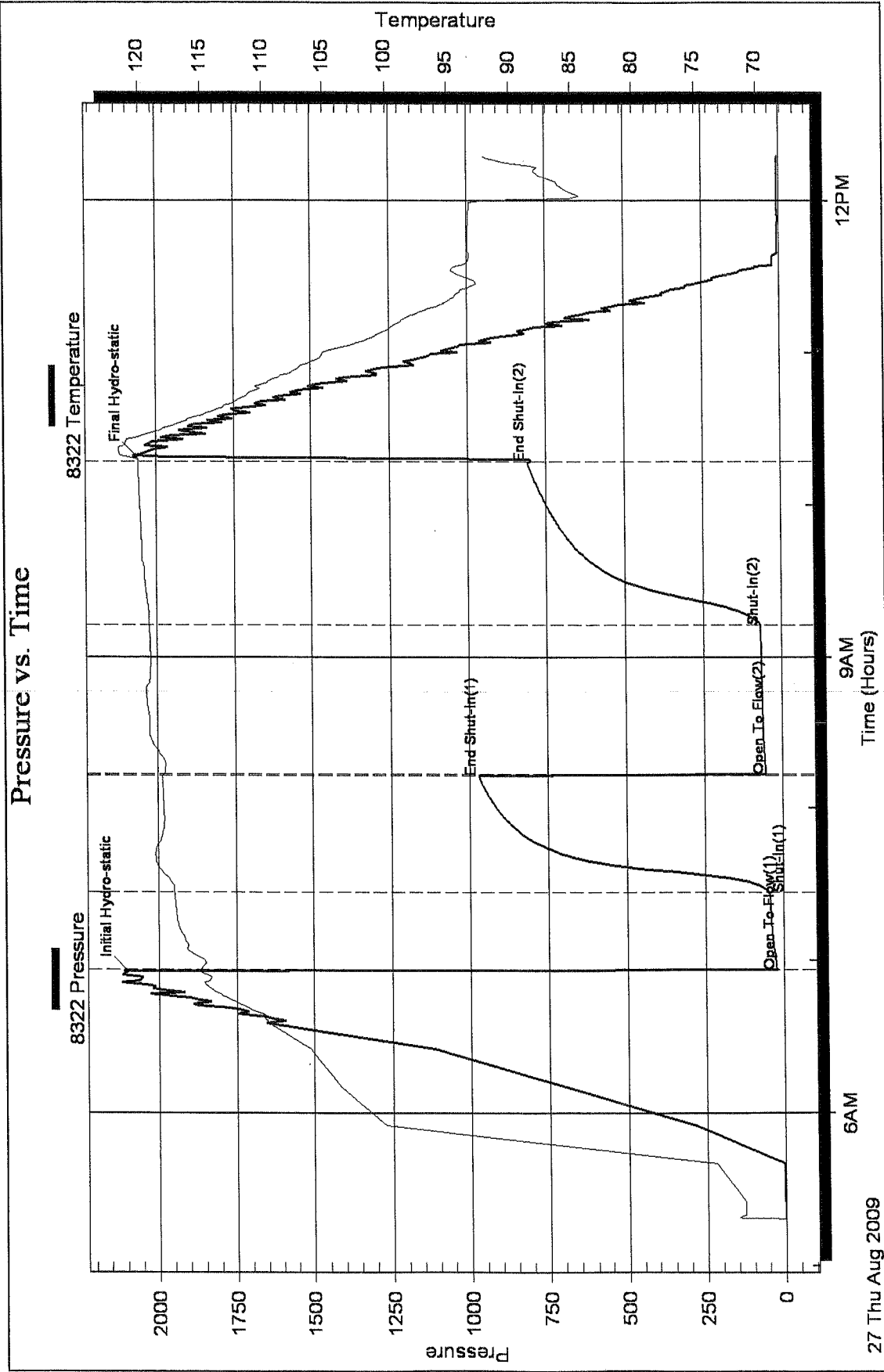
Total Length: 150.00 ft Total Volume: 1.002 bbl

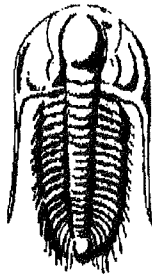
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Flip Phillips

34-15s-25w Trego KS

Caruso Trust #1-34

Start Date: 2009.08.27 @ 17:45:05

End Date: 2009.08.27 @ 23:59:44

Job Ticket #: 35361 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Pintail Petroleum

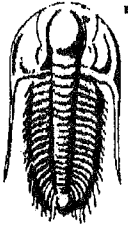
Caruso Trust #1-34

34-15s-25w Trego KS

DST # 3

Miss.

2009.08.27



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

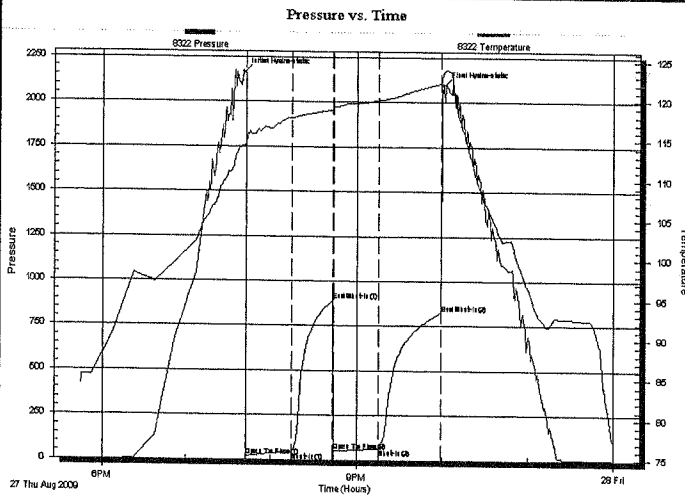
Caruso Trust #1-34
34-15s-25w Trego KS
 Job Ticket: 35361 **DST#: 3**
 Test Start: 2009.08.27 @ 17:45:05

GENERAL INFORMATION:

Formation: **Miss.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:43:00
 Time Test Ended: 23:59:44
 Interval: **4400.00 ft (KB) To 4411.00 ft (KB) (TVD)**
 Total Depth: 4411.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Brandon Domsch
 Unit No: 48
 Reference Elevations: 2460.00 ft (KB)
 2455.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8322 Inside
 Press@RunDepth: 64.73 psig @ 4401.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2009.08.27 End Date: 2009.08.27 Last Calib.: 2009.08.28
 Start Time: 17:45:05 End Time: 23:59:44 Time On Btm: 2009.08.27 @ 19:41:15
 Time Off Btm: 2009.08.27 @ 22:01:00

TEST COMMENT: IF: Built to 3 inches.
 IS: No return.
 FF: Built to 3 inches.
 FS: No return.



PRESSURE SUMMARY

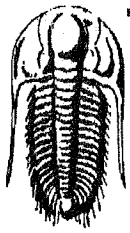
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2165.14	114.37	Initial Hydro-static
2	21.67	114.59	Open To Flow (1)
34	43.33	117.79	Shut-In(1)
62	891.90	118.88	End Shut-In(1)
63	51.69	119.03	Open To Flow (2)
95	64.73	120.05	Shut-In(2)
138	824.14	122.16	End Shut-In(2)
140	2093.44	123.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 15%o 85%m	0.30
70.00	CGO 15%g 85%o	0.34
0.00	GIP = 50 FT	0.00
0.00	API = 38@70F = 37	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

Caruso Trust #1-34

225 N Market, Ste 300
Wichita, KS 67202

34-15s-25w Trego KS

Job Ticket: 35361

DST#: 3

ATTN: Flip Phillips

Test Start: 2009.08.27 @ 17:45:05

Tool Information

Drill Pipe:	Length: 4212.00 ft	Diameter: 3.80 inches	Volume: 59.08 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: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 110000.0 lb
			Total Volume: 59.98 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4400.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	31.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4381.00	
Shut In Tool	5.00			4386.00	
Hydraulic tool	5.00			4391.00	
Packer	5.00			4396.00	20.00 Bottom Of Top Packer
Packer	4.00			4400.00	
Stubb	1.00			4401.00	
Recorder	0.00	8322	Inside	4401.00	
Recorder	0.00	6741	Inside	4401.00	
Perforations	5.00			4406.00	
Bullnose	5.00			4411.00	11.00 Bottom Packers & Anchor
Total Tool Length:	31.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pntail Petroleum

Caruso Trust #1-34

225 N Market, Ste 300
Wichita, KS 67202

34-15s-25w Trego KS

Job Ticket: 35361

DST#: 3

ATTN: Flip Phillips

Test Start: 2009.08.27 @ 17:45:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 9.55 in³

Resistivity: 0.00 ohm.m

Salinity: 3600.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

37 deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCM 15%o 85%m	0.295
70.00	CGO 15%g 85%o	0.344
0.00	GIP = 50 FT	0.000
0.00	API = 38@70F = 37	0.000

Total Length: 130.00 ft

Total Volume: 0.639 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

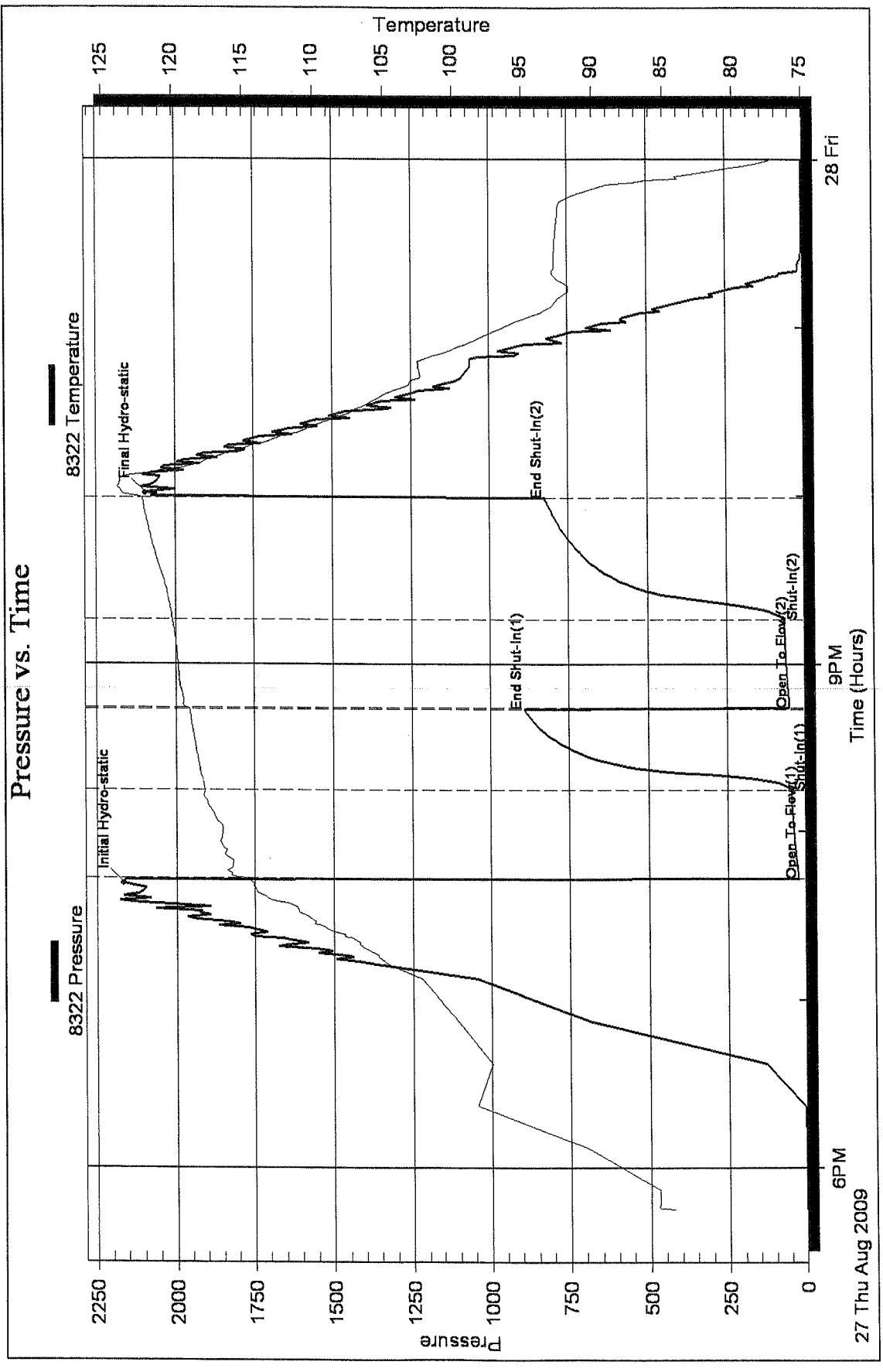
Serial #: 8322

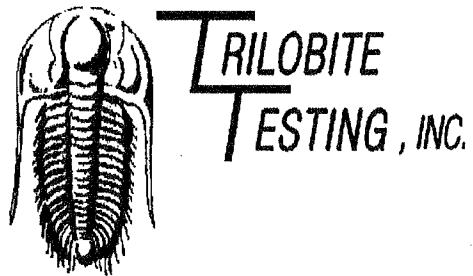
Inside Pintail Petroleum

34-15s-25w Trego KS

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Flip Phillips

34-15s-25w Trego KS

Caruso Trust #1-34

Start Date: 2009.08.28 @ 05:42:05

End Date: 2009.08.28 @ 11:45:14

Job Ticket #: 35362 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Pintail Petroleum

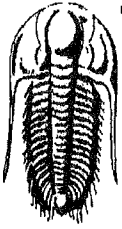
Caruso Trust #1-34

34-15s-25w Trego KS

DST # 4

Miss.

2009.08.28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

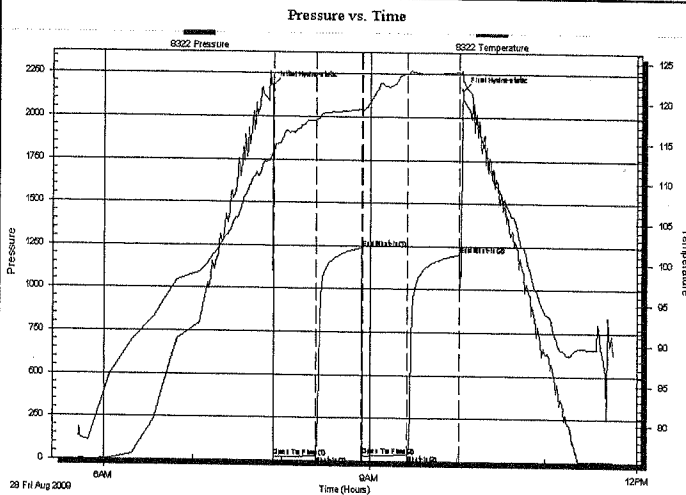
Caruso Trust #1-34
34-15s-25w Trego KS
Job Ticket: 35362 **DST#: 4**
Test Start: 2009.08.28 @ 05:42:05

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:54:00
Time Test Ended: 11:45:14
Interval: **4409.00 ft (KB) To 4420.00 ft (KB) (TVD)**
Total Depth: 4420.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 48
Reference Elevations: 2460.00 ft (KB)
2455.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 Inside
Press@RunDepth: 37.72 psig @ 4410.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2009.08.28 End Date: 2009.08.28 Last Calib.: 2009.08.28
Start Time: 05:42:05 End Time: 11:45:14 Time On Btm: 2009.08.28 @ 07:53:30
Time Off Btm: 2009.08.28 @ 10:03:44

TEST COMMENT: IF: Built to 1 3/4 inch.
IS: No return.
FF: Built to 1/2 inch.
FS: No return.



PRESSURE SUMMARY

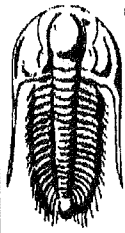
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2179.28	113.59	Initial Hydro-static
1	21.78	113.72	Open To Flow (1)
29	26.71	117.74	Shut-In(1)
61	1239.56	119.13	End Shut-In(1)
62	30.42	118.83	Open To Flow (2)
92	37.72	123.58	Shut-In(2)
129	1203.13	123.76	End Shut-In(2)
131	2159.42	123.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SWCM 20%w 80% m	0.05
0.00	GIP = 0	0.00
0.00	RW = N/A	0.00

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: Flip Phillips

Caruso Trust #1-34
34-15s-25w Trego KS
Job Ticket: 35362 **DST#: 4**
Test Start: 2009.08.28 @ 05:42:05

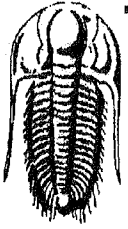
Tool Information

Drill Pipe:	Length: 4212.00 ft	Diameter: 3.80 inches	Volume: 59.08 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: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	59.98 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4409.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	31.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4390.00	
Shut In Tool	5.00			4395.00	
Hydraulic tool	5.00			4400.00	
Packer	5.00			4405.00	20.00 Bottom Of Top Packer
Packer	4.00			4409.00	
Stubb	1.00			4410.00	
Recorder	0.00	8322	Inside	4410.00	
Recorder	0.00	6741	Inside	4410.00	
Perforations	5.00			4415.00	
Bullnose	5.00			4420.00	11.00 Bottom Packers & Anchor
Total Tool Length:	31.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

Caruso Trust #1-34

225 N Market, Ste 300
Wichita, KS 67202

34-15s-25w Trego KS

ATTN: Flip Phillips

Job Ticket: 35362

DST#: 4

Test Start: 2009.08.28 @ 05:42:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 9.57 in³

Resistivity: 0.00 ohm.m

Salinity: 3600.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SWCM 20%w 80%m	0.049
0.00	GIP = 0	0.000
0.00	RW = N/A	0.000

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:

DST Test Number: 4

34-15s-25w Trego KS

Inside Pentail Petroleum

Serial #: 8322

Pressure vs. Time

