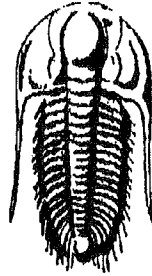


27-29s-15w

KPD



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Ponderosa Witching, LLC.**

110 A Spring Creek
Waco, TX 76705

ATTN: David Williams

15-151-28342-0000

27-29s-15w Pratt KS

SWSE SW

EPP #2

Start Date: 2009.10.05 @ 05:37:00

End Date: 2009.10.05 @ 12:31:20

Job Ticket #: 36514 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Ponderosa Witching, LLC.

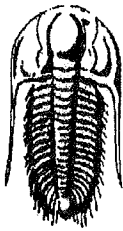
EPP #2

27-29s-15w Pratt KS

DST # 1

Swope

2009.10.05



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Ponderosa Witching, LLC.

EPP #2

110 A Spring Creek
Waco, TX 76705

27-29s-15w Pratt KS

Job Ticket: 36514

DST#: 1

ATTN: David Williams

Test Start: 2009.10.05 @ 05:37:00

GENERAL INFORMATION:

Formation: **Sw ope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:37:40

Time Test Ended: 12:31:20

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **4282.00 ft (KB) To 4308.00 ft (KB) (TVD)**

Total Depth: 4308.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1965.00 ft (KB)

1956.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: **8352**

Inside

Press@RunDepth: 57.80 psig @ 4283.00 ft (KB)

Start Date: 2009.10.05

End Date:

2009.10.05

Capacity: 7000.00 psig

Last Calib.: 2009.10.05

Start Time: 05:37:02

End Time:

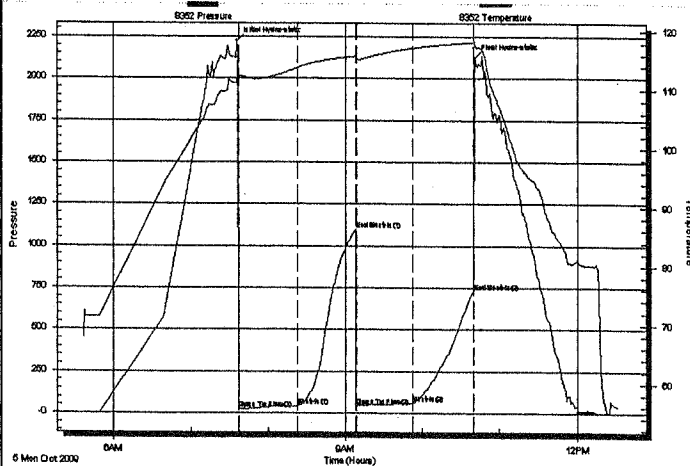
12:31:19

Time On Btm: 2009.10.05 @ 07:36:10

Time Off Btm: 2009.10.05 @ 10:41:10

TEST COMMENT: IF: Weak building blow, built to 4.5" in bucket.
IS: Bled off, no blow back.
FF: Weak building blow, built to 6" in bucket.
FSI: Bled off, no blow back.

Pressure vs. Time



PRESSURE SUMMARY

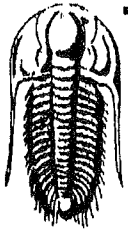
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2221.48	111.33	Initial Hydro-static
2	23.07	112.22	Open To Flow (1)
47	42.57	113.77	Shut-In (1)
92	1094.27	115.70	End Shut-In (1)
93	43.01	115.44	Open To Flow (2)
137	57.80	117.14	Shut-In (2)
184	724.25	118.13	End Shut-In (2)
185	2121.03	117.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOCM 5%o 95%m	0.30
40.00	OGCWM 5%g 5%o 40%w 50%m	0.20
0.00	60' +/- GIP	0.00
0.00	rw = 1.6ohm@56degf=60000ppmchl	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ponderosa Wtching, LLC.

EPP #2

110 A Spring Creek
Waco, TX 76705

27-29s-15w Pratt KS

Job Ticket: 36514

DST#: 1

ATTN: David Williams

Test Start: 2009.10.05 @ 05:37:00

Tool Information

Drill Pipe:	Length: 4048.00 ft	Diameter: 3.80 inches	Volume: 56.78 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: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 57.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4282.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 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			4259.00	
Hydraulic tool	5.00			4264.00	
Jars	5.00			4269.00	
Safety Joint	3.00			4272.00	
Packer	5.00			4277.00	28.00 Bottom Of Top Packer
Packer	5.00			4282.00	
Stubb	1.00			4283.00	
Recorder	0.00	8352	Inside	4283.00	
Recorder	0.00	6799	Inside	4283.00	
Perforations	20.00			4303.00	
Bullnose	5.00			4308.00	26.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ponderosa Witching, LLC.

EPP #2

110 A Spring Creek
Waco, TX 76705

27-29s-15w Pratt KS

Job Ticket: 36514

DST#: 1

ATTN: David Williams

Test Start: 2009.10.05 @ 05:37:00

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:

60000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	SOCM 5%o 95%m	0.295
40.00	OGCWM 5%g 5%o 40%w 50%m	0.197
0.00	60' +/- GIP	0.000
0.00	rw = .16ohm@56degf=60000ppmchl	0.000

Total Length: 100.00 ft

Total Volume: 0.492 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

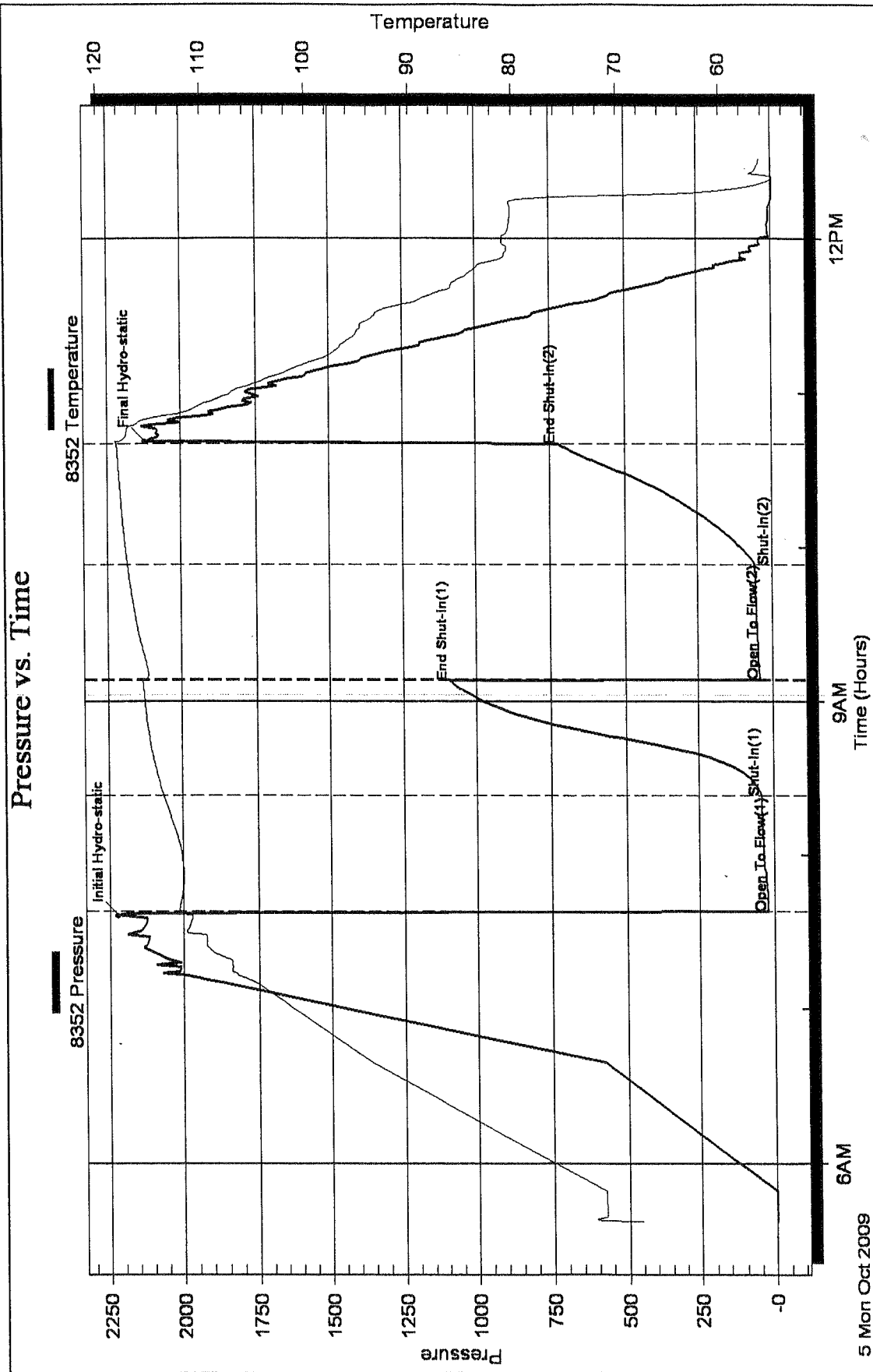
27-29s-15w Pratt KS

Ponderosa Wtching, LLC.

Inside

Serial #: 8352

Pressure vs. Time



5 Mon Oct 2009

6AM

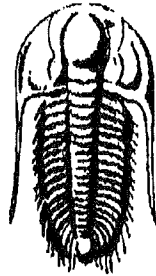
9AM

12PM

Ref. No: 36514

Printed: 2009.10.20 @ 10:28:08 Page 5

Trilobite Testing, Inc



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Ponderosa Witching, LLC.**

110 A Spring Creek
Waco, TX 76705

ATTN: David Williams

27-29s-15w Pratt KS

EPP #2

Start Date: 2009.10.06 @ 15:43:00

End Date: 2009.10.06 @ 23:15:20

Job Ticket #: 36515 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Ponderosa Witching, LLC.

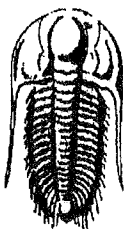
EPP #2

27-29s-15w Pratt KS

DST # 2

Viola

2009.10.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ponderosa Witching, LLC.

EPP #2

110 A Spring Creek
Waco, TX 76705

27-29s-15w Pratt KS

Job Ticket: 36515

DST#: 2

ATTN: David Williams

Test Start: 2009.10.06 @ 15:43:00

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 18:24:30
 Time Test Ended: 23:15:20

Test Type: **Conventional Bottom Hole**
 Tester: **Jake Fahrenbruch**
 Unit No: **43**

Interval: **4489.00 ft (KB) To 4580.00 ft (KB) (TVD)**
 Total Depth: **4580.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1965.00 ft (KB)**
1956.00 ft (CF)
 KB to GR/CF: **9.00 ft**

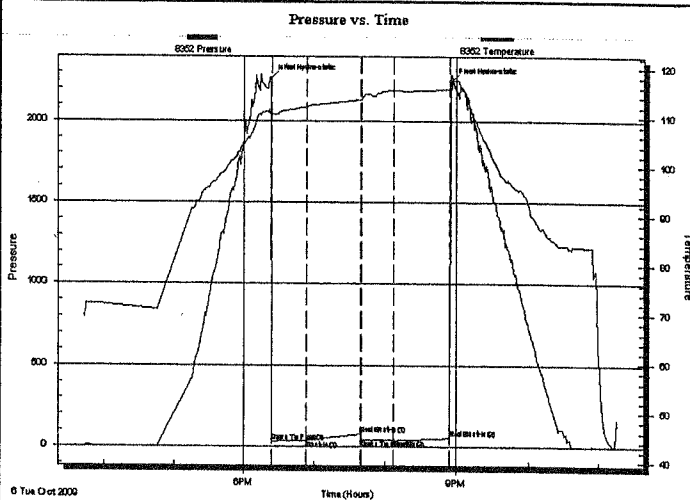
Serial #: 8352

Inside

Press@RunDepth: **38.54 psig @ 4490.00 ft (KB)**
 Start Date: **2009.10.06** End Date: **2009.10.06**
 Start Time: **15:43:02** End Time: **23:15:19**

Capacity: **7000.00 psig**
 Last Calib.: **2009.10.06**
 Time On Btm: **2009.10.06 @ 18:23:40**
 Time Off Btm: **2009.10.06 @ 20:55:39**

TEST COMMENT: IF: Weak blow, built to 1" in 10 minutes, slowly died off.
 IS: No blow.
 FF: No blow.
 FS: No blow.



PRESSURE SUMMARY

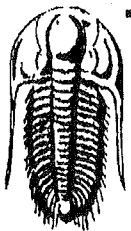
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.39	110.94	Initial Hydro-static
1	27.61	110.31	Open To Flow (1)
31	35.13	112.08	Shut-In(1)
76	75.38	113.53	End Shut-In(1)
77	39.83	113.49	Open To Flow (2)
104	38.54	115.45	Shut-In(2)
151	50.78	115.73	End Shut-In(2)
152	2241.48	118.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilling Mud 100% _m	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ponderosa Witching, LLC.

EPP #2

110 A Spring Creek
Waco, TX 76705

27-29s-15w Pratt KS

Job Ticket: 36515

DST#: 2

ATTN: David Williams

Test Start: 2009.10.06 @ 15:43:00

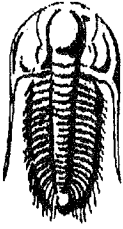
Tool Information

Drill Pipe:	Length: 4271.00 ft	Diameter: 3.80 inches	Volume: 59.91 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: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 60.98 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	4489.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	119.00 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			4466.00	
Hydraulic tool	5.00			4471.00	
Jars	5.00			4476.00	
Safety Joint	3.00			4479.00	
Packer	5.00			4484.00	28.00 Bottom Of Top Packer
Packer	5.00			4489.00	
Stubb	1.00			4490.00	
Recorder	0.00	8352	Inside	4490.00	
Recorder	0.00	6799	Inside	4490.00	
Perforations	20.00			4510.00	
Blank Spacing	65.00			4575.00	
Bullnose	5.00			4580.00	91.00 Bottom Packers & Anchor

Total Tool Length: 119.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ponderosa Witching, LLC.

EPP #2

110 A Spring Creek
Waco, TX 76705

27-29s-15w Pratt KS

Job Ticket: 36515

DST#: 2

ATTN: David Williams

Test Start: 2009.10.06 @ 15:43:00

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: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 10.38 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 bbf
20.00	Drilling Mud 100% _m	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

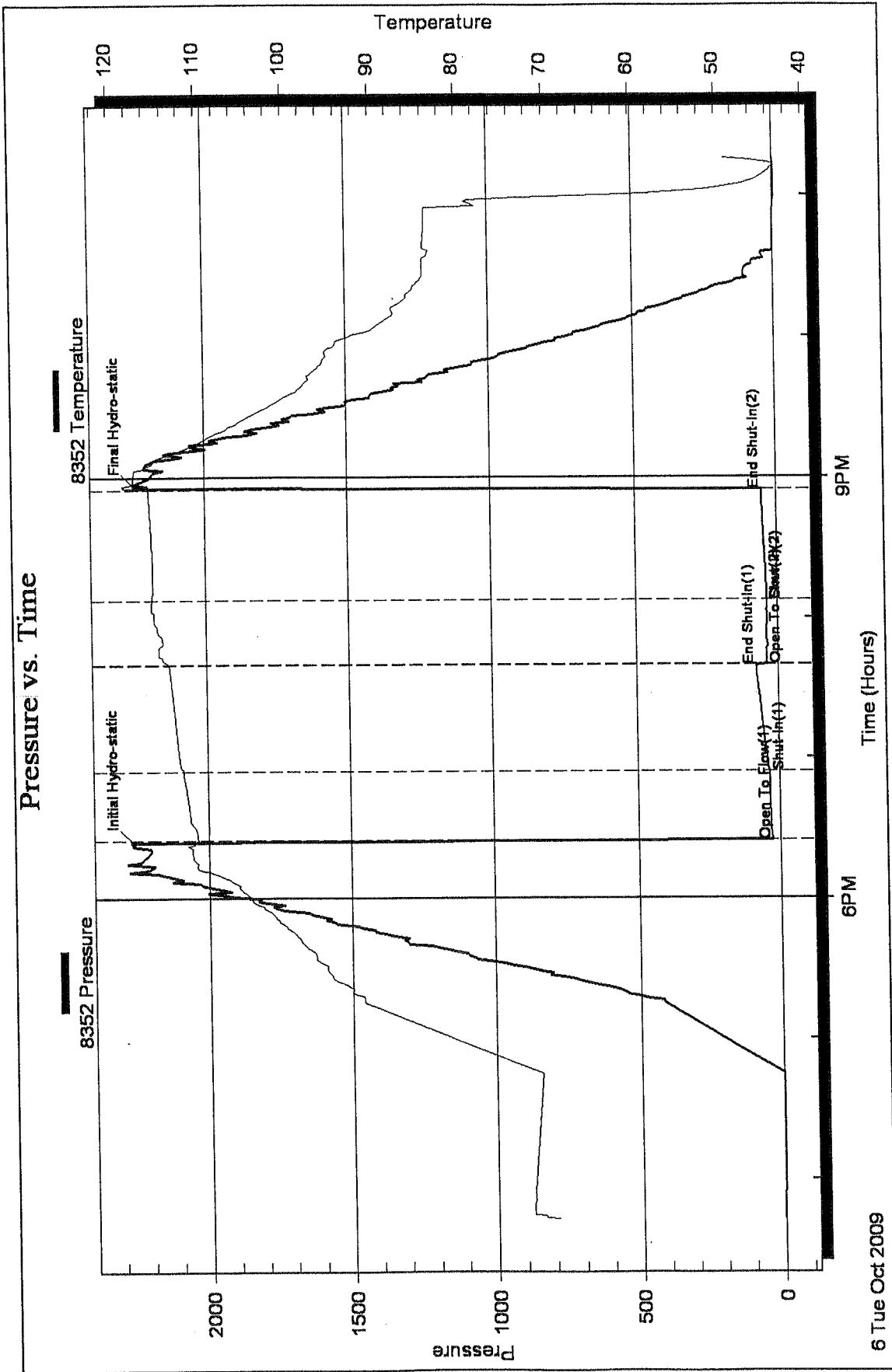
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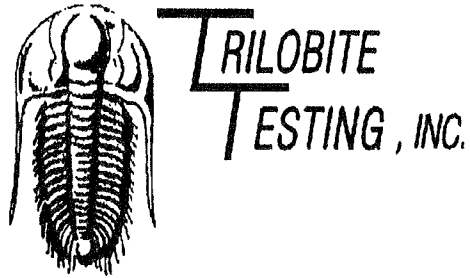
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Ponderosa Witching, LLC.**

110 A Spring Creek
Waco, TX 76705

ATTN: David Williams

27-29s-15w Pratt KS

EPP #2

Start Date: 2009.10.07 @ 10:38:00

End Date: 2009.10.07 @ 17:52:50

Job Ticket #: 36516 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Ponderosa Witching, LLC.

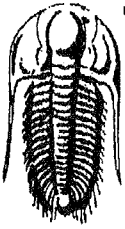
EPP #2

27-29s-15w Pratt KS

DST # 3

Viola

2009.10.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ponderosa Witching, LLC.

EPP #2

110 A Spring Creek
Waco, TX 76705

27-29s-15w Pratt KS

Job Ticket: 36516

DST#: 3

ATTN: David Williams

Test Start: 2009.10.07 @ 10:38:00

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 12:22:10
 Time Test Ended: 17:52:50

Test Type: **Conventional Bottom Hole**
 Tester: **Jake Fahrenbruch**
 Unit No: **43**

Interval: **4579.00 ft (KB) To 4667.00 ft (KB) (TVD)**
 Total Depth: **4667.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1965.00 ft (KB)**
1956.00 ft (CF)
 KB to GR/CF: **9.00 ft**

Serial #: 8352

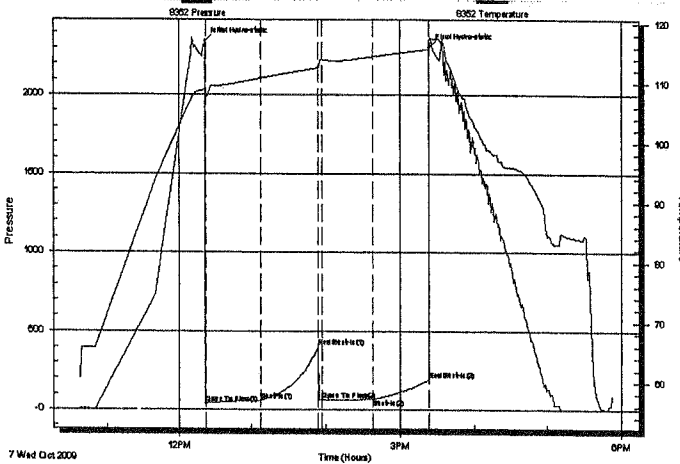
Inside

Press@RunDepth: **64.93 psig @ 4580.00 ft (KB)**
 Start Date: **2009.10.07** End Date: **2009.10.07**
 Start Time: **10:38:02** End Time: **17:52:49**

Capacity: **7000.00 psig**
 Last Calib.: **2009.10.07**
 Time On Btm: **2009.10.07 @ 12:21:50**
 Time Off Btm: **2009.10.07 @ 15:23:00**

TEST COMMENT: IF: Weak blow, built to 3" in bucket.
 IS: No blow.
 FF: Weak blow, built to 1.5" in bucket.
 FS: No blow.

Pressure vs. Time



PRESSURE SUMMARY

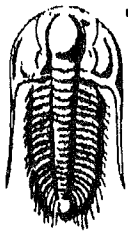
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2340.17	108.86	Initial Hydro-static
1	36.81	108.05	Open To Flow (1)
46	57.05	110.76	Shut-In(1)
92	398.57	112.54	End Shut-In(1)
95	58.22	113.92	Open To Flow (2)
136	64.93	114.40	Shut-In(2)
181	189.80	115.64	End Shut-In(2)
182	2300.77	116.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	SGCOSM 5%g 3%o 92%m	0.39
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

Ponderosa Witching, LLC.

EPP #2

110 A Spring Creek
Waco, TX 76705

27-29s-15w Pratt KS

Job Ticket: 36516

DST#: 3

ATTN: David Williams

Test Start: 2009.10.07 @ 10:38:00

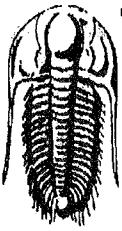
Tool Information

Drill Pipe:	Length: 4365.00 ft	Diameter: 3.80 inches	Volume: 61.23 bbl	Tool Weight: 3000.00 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: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose: 115000.0 lb
		Total Volume: 62.30 bbl		Tool Chased 2.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4579.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	88.00 ft			
Tool Length:	116.00 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			4556.00	
Hydraulic tool	5.00			4561.00	
Jars	5.00			4566.00	
Safety Joint	3.00			4569.00	
Packer	5.00			4574.00	28.00 Bottom Of Top Packer
Packer	5.00			4579.00	
Stubb	1.00			4580.00	
Recorder	0.00	8352	Inside	4580.00	
Recorder	0.00	6799	Inside	4580.00	
Perforations	17.00			4597.00	
Blank Spacing	65.00			4662.00	
Bullnose	5.00			4667.00	88.00 Bottom Packers & Anchor

Total Tool Length: 116.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ponderosa Witching, LLC.

EPP #2

110 A Spring Creek
Waco, TX 76705

27-29s-15w Pratt KS

Job Ticket: 36516

DST#: 3

ATTN: David Williams

Test Start: 2009.10.07 @ 10:38:00

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:

bbbl

Water Loss: 10.78 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
80.00	SGCOSM 5%g 3%o 92%m	0.393
0.00	< 60' GIP	0.000

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

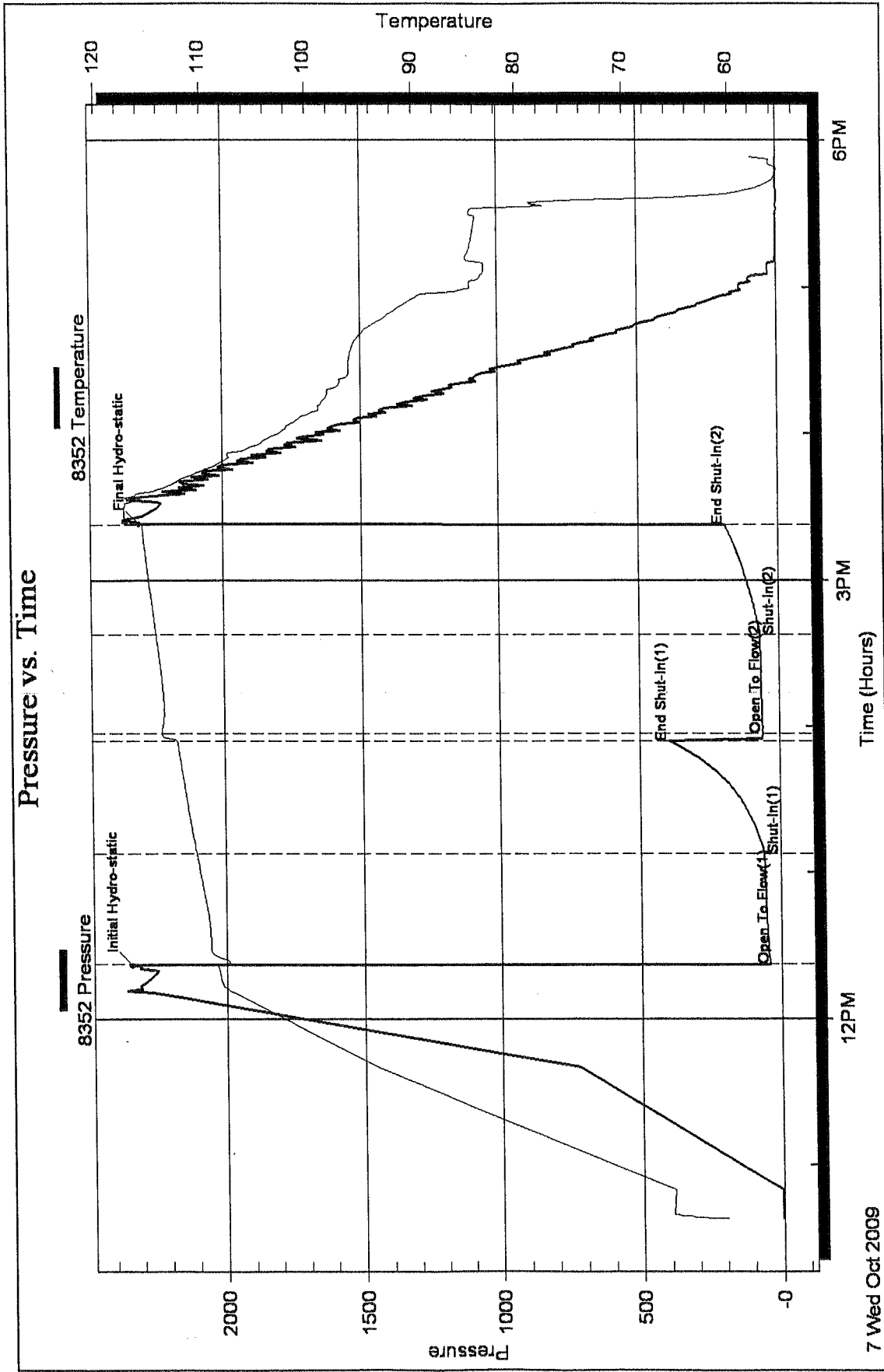
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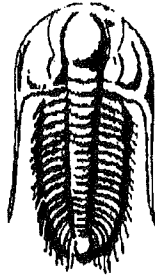
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Ponderosa Witching, LLC.**

110 A Spring Creek
Waco, TX 76705

ATTN: David Williams

27-29s-15w Pratt KS

EPP #2

Start Date: 2009.10.08 @ 05:47:00

End Date: 2009.10.08 @ 13:04:09

Job Ticket #: 36517 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Ponderosa Witching, LLC.

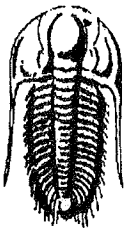
EPP #2

27-29s-15w Pratt KS

DST # 4

Simpson

2009.10.08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Ponderosa Witching, LLC.

EPP #2

110 A Spring Creek
Waco, TX 76705

27-29s-15w Pratt KS

Job Ticket: 36517

DST#: 4

ATTN: David Williams

Test Start: 2009.10.08 @ 05:47:00

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:08:40

Time Test Ended: 13:04:09

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **4666.00 ft (KB) To 4731.00 ft (KB) (TVD)**

Total Depth: 4731.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1965.00 ft (KB)

1956.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8352

Inside

Press@RunDepth: 327.07 psig @ 4667.00 ft (KB)

Start Date: 2009.10.08

End Date:

2009.10.08

Capacity: 7000.00 psig

Last Calib.: 2009.10.08

Start Time: 05:47:02

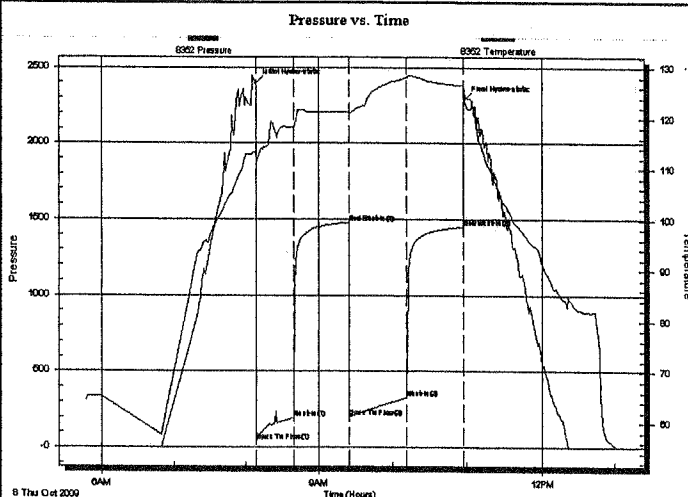
End Time:

13:04:10

Time On Btm: 2009.10.08 @ 08:08:30

Time Off Btm: 2009.10.08 @ 10:58:30

TEST COMMENT: IF: Fairly strong blow, built to BOB in 17 minutes.
IS: Bled off, no blow back.
FF: Fairly strong blow, built to BOB in 22 minutes.
FSI: Bled off, no blow back.



PRESSURE SUMMARY

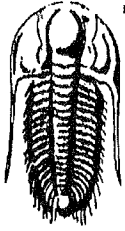
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2393.12	113.24	Initial Hydro-static
1	39.57	111.92	Open To Flow (1)
31	192.76	118.23	Shut-In(1)
76	1476.29	121.34	End Shut-In(1)
76	200.30	120.98	Open To Flow (2)
123	327.07	128.05	Shut-In(2)
169	1449.25	126.53	End Shut-In(2)
170	2290.06	125.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	SOSW - tr oil 100%w	1.53
125.00	SOSMCW - tr oil 20%m 80%w	1.75
125.00	SOSSGCWM - tr Oil 5%g35%w 60%m	1.75
150.00	SOSWCM - tr oil 15%w 85%m	2.10
0.00	rw = .08ohm@54degf=140000ppmChl	0.00
0.00	No noticeable GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ponderosa Witching, LLC.

EPP #2

110 A Spring Creek
Waco, TX 76705

27-29s-15w Pratt KS

Job Ticket: 36517

DST#: 4

ATTN: David Williams

Test Start: 2009.10.08 @ 05:47:00

Tool Information

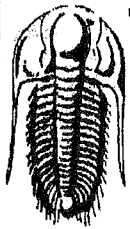
Drill Pipe:	Length: 4431.00 ft	Diameter: 3.80 inches	Volume: 62.16 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 63.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4666.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	93.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4643.00	
Hydraulic tool	5.00			4648.00	
Jars	5.00			4653.00	
Safety Joint	3.00			4656.00	
Packer	5.00			4661.00	28.00 Bottom Of Top Packer
Packer	5.00			4666.00	
Stubb	1.00			4667.00	
Recorder	0.00	8352	Inside	4667.00	
Recorder	0.00	6799	Inside	4667.00	
Perforations	26.00			4693.00	
Blank Spacing	33.00			4726.00	
Bullnose	5.00			4731.00	65.00 Bottom Packers & Anchor

Total Tool Length: 93.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ponderosa Wtching, LLC.

EPP #2

110 A Spring Creek
Waco, TX 76705

27-29s-15w Pratt KS

Job Ticket: 36517

DST#: 4

ATTN: David Williams

Test Start: 2009.10.08 @ 05:47:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 10.78 in³

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

deg API

140000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	SOSW - tr oil 100%w	1.530
125.00	SOSMCW - tr oil 20%w 80%w	1.753
125.00	SOSSGCWM - tr Oil 5%g35%w 60%w	1.753
150.00	SOSWCM - tr oil 15%w 85%w	2.104
0.00	rw=.08ohm@54degf=140000ppmChl	0.000
0.00	No noticeable GIP	0.000

Total Length: 650.00 ft

Total Volume: 7.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

