

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
Po Box 20380
Wichita Ks
67208+1380
ATTN: Dana Wreath

Dinges #2
10-15s-18w
Job Ticket: 36204 **DST#: 1**
Test Start: 2010.07.19 @ 04:25:19

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:	3000 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: inches			

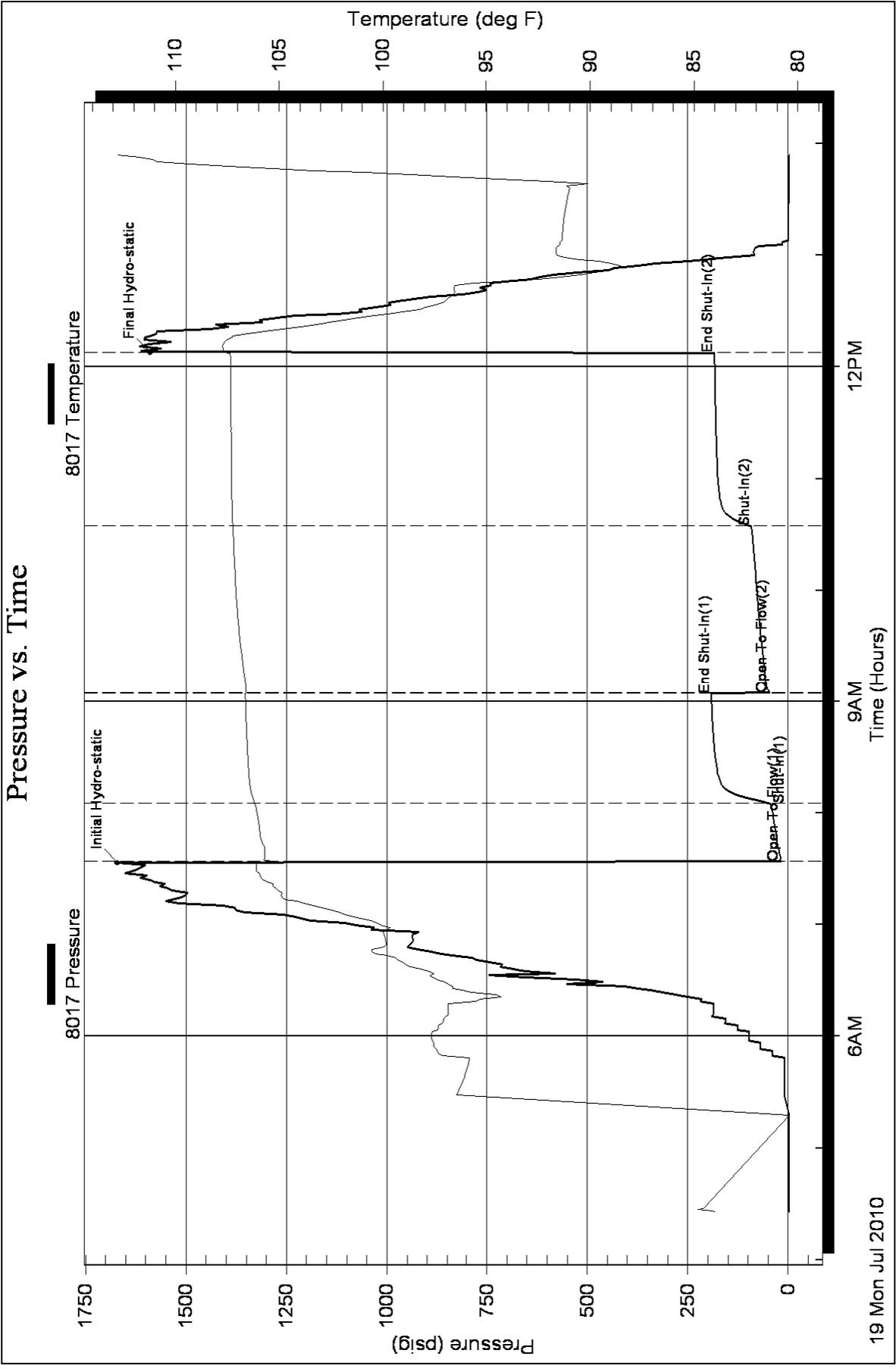
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	Mud 100%	0.620
63.00	WM60%W40%M	0.310

Total Length: 189.00 ft Total Volume: 0.930 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





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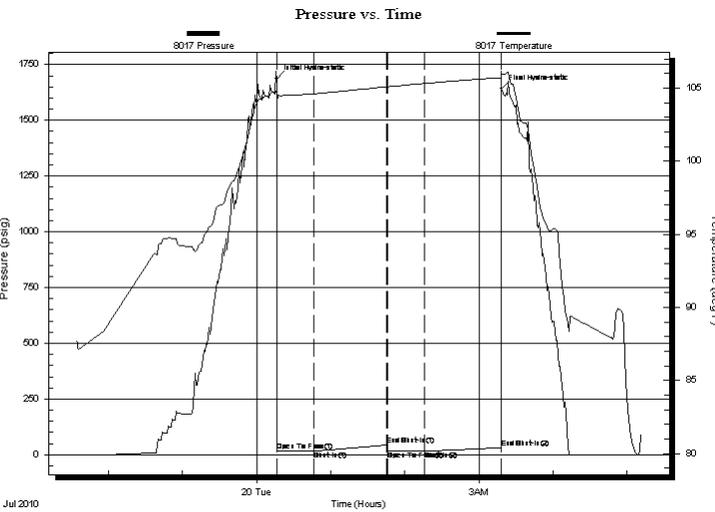
Dinges #2
10-15s-18w
 Job Ticket: 36205 **DST#: 2**
 Test Start: 2010.07.19 @ 21:34:10

GENERAL INFORMATION:

Formation: **Lower-"C-D-E"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:16:30
 Time Test Ended: 05:12:00
 Interval: **3350.00 ft (KB) To 3380.00 ft (KB) (TVD)**
 Total Depth: 3380.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Jeff Brown
 Unit No: 31
 Reference Elevations: 2031.00 ft (KB)
 2020.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8017 Inside
 Press @ Run Depth: 16.44 psig @ 3355.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.07.19 End Date: 2010.07.20 Last Calib.: 2010.07.20
 Start Time: 21:34:15 End Time: 05:12:00 Time On Btm: 2010.07.20 @ 00:16:20
 Time Off Btm: 2010.07.20 @ 03:18:10

TEST COMMENT: IFP-Weak surface blow died in 3 min
 ISI-Dead no blow back
 FFP-Dead no blow
 FSI-Dead no blow back



PRESSURE SUMMARY

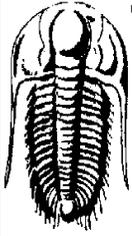
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1686.94	104.89	Initial Hydro-static
1	15.80	103.97	Open To Flow (1)
30	17.48	104.60	Shut-In(1)
90	44.44	105.09	End Shut-In(1)
90	16.50	105.07	Open To Flow (2)
120	16.44	105.31	Shut-In(2)
182	29.76	105.72	End Shut-In(2)
182	1640.05	106.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100%Mud	0.00

Gas Rates

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



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10-15s-18w
Job Ticket: 36205 **DST#: 2**
Test Start: 2010.07.19 @ 21:34:10

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 90.92 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

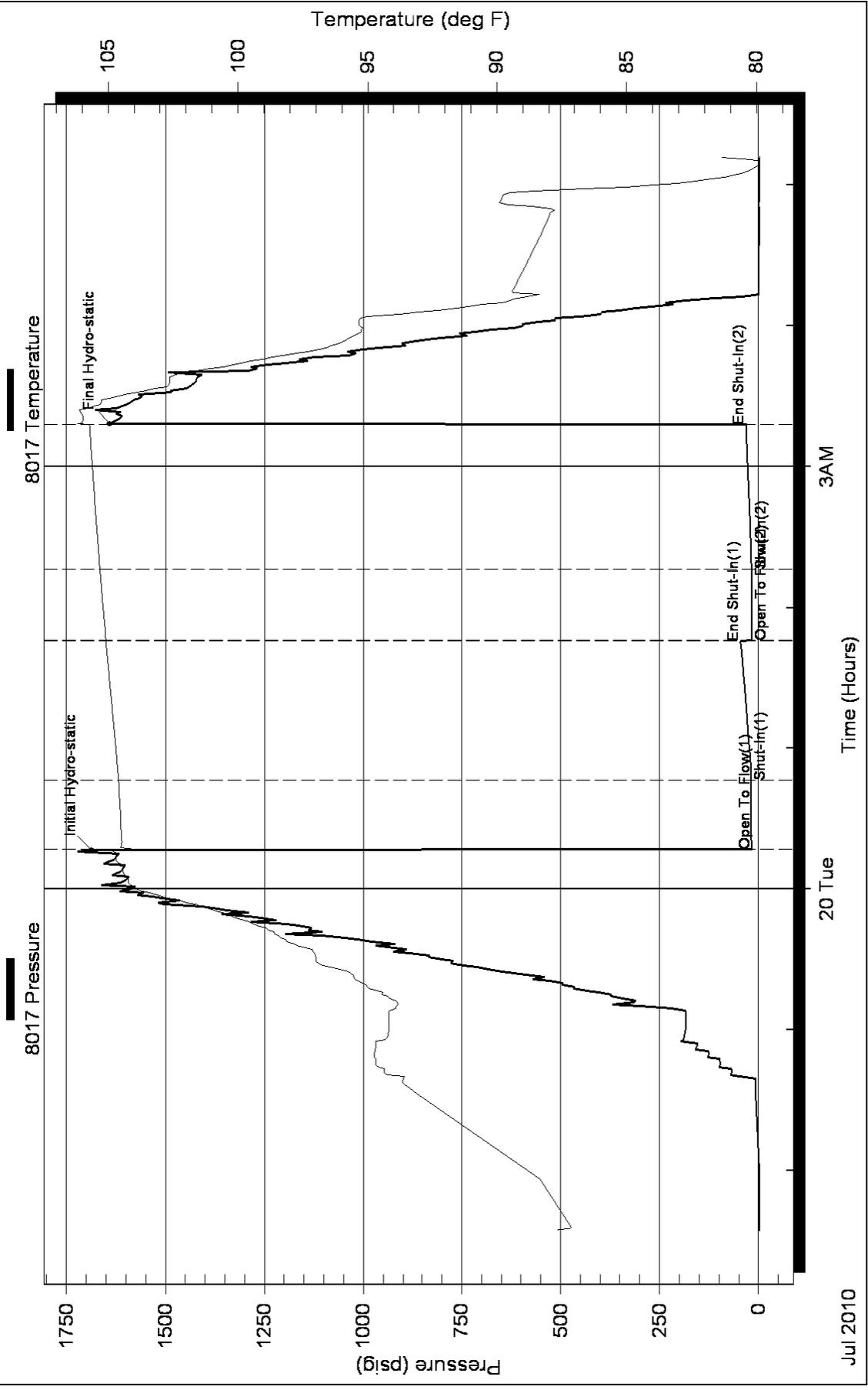
Recovery Information

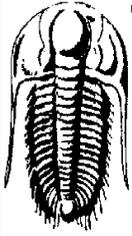
Recovery Table

Length ft	Description	Volume bbl
1.00	100%Mud	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





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Dinges #2
10-15s-18w
 Job Ticket: 36206 **DST#: 3**
 Test Start: 2010.07.20 @ 21:00:19

GENERAL INFORMATION:

Formation: **LKC-HI-J-K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:29:09
 Time Test Ended: 06:19:38
 Interval: **3420.00 ft (KB) To 3520.00 ft (KB) (TVD)**
 Total Depth: 3520.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Jeff Brown
 Unit No: 31
 Reference Elevations: 2031.00 ft (KB)
 2020.00 ft (CF)
 KB to GR/CF: 11.00 ft

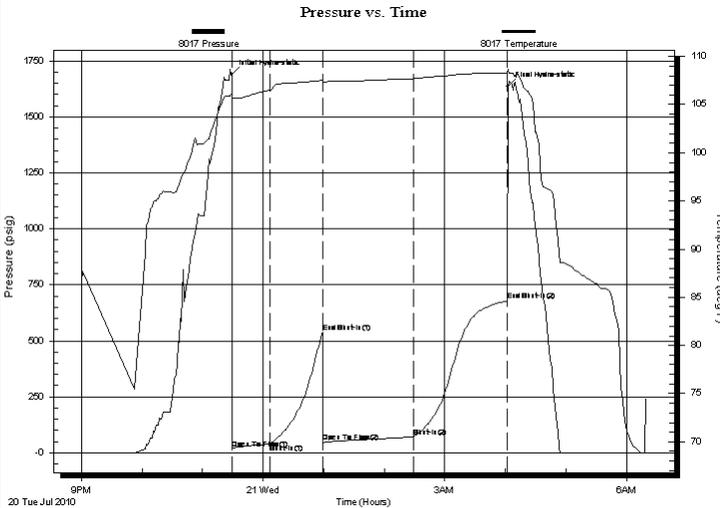
Serial #: 8017

Inside

Press @ Run Depth: 71.12 psig @ 3431.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.07.20 End Date: 2010.07.21 Last Calib.: 2010.07.21
 Start Time: 21:00:24 End Time: 06:19:39 Time On Btm: 2010.07.20 @ 23:28:59
 Time Off Btm: 2010.07.21 @ 04:02:19

TEST COMMENT: IFP-Fair blow BOB in 18 min
 ISI-Deid no blow back
 FFP-Strong blow BOB in 12 min
 FSI-Dead no blow back

PRESSURE SUMMARY



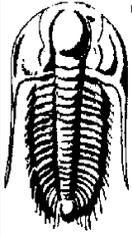
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1692.19	106.08	Initial Hydro-static
1	17.65	105.24	Open To Flow (1)
38	38.51	106.50	Shut-In(1)
91	539.20	107.52	End Shut-In(1)
91	47.66	107.30	Open To Flow (2)
181	71.12	107.69	Shut-In(2)
273	678.28	108.27	End Shut-In(2)
274	1636.54	108.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM5%O95%M	0.02
122.00	OCGM20%O25%G55%M	0.60
0.00	915 GIP	0.00

Gas Rates

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



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Dinges #2
10-15s-18w
Job Ticket: 36206 **DST#: 3**
Test Start: 2010.07.20 @ 21:00:19

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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3600.00 ppm			
Filter Cake: inches			

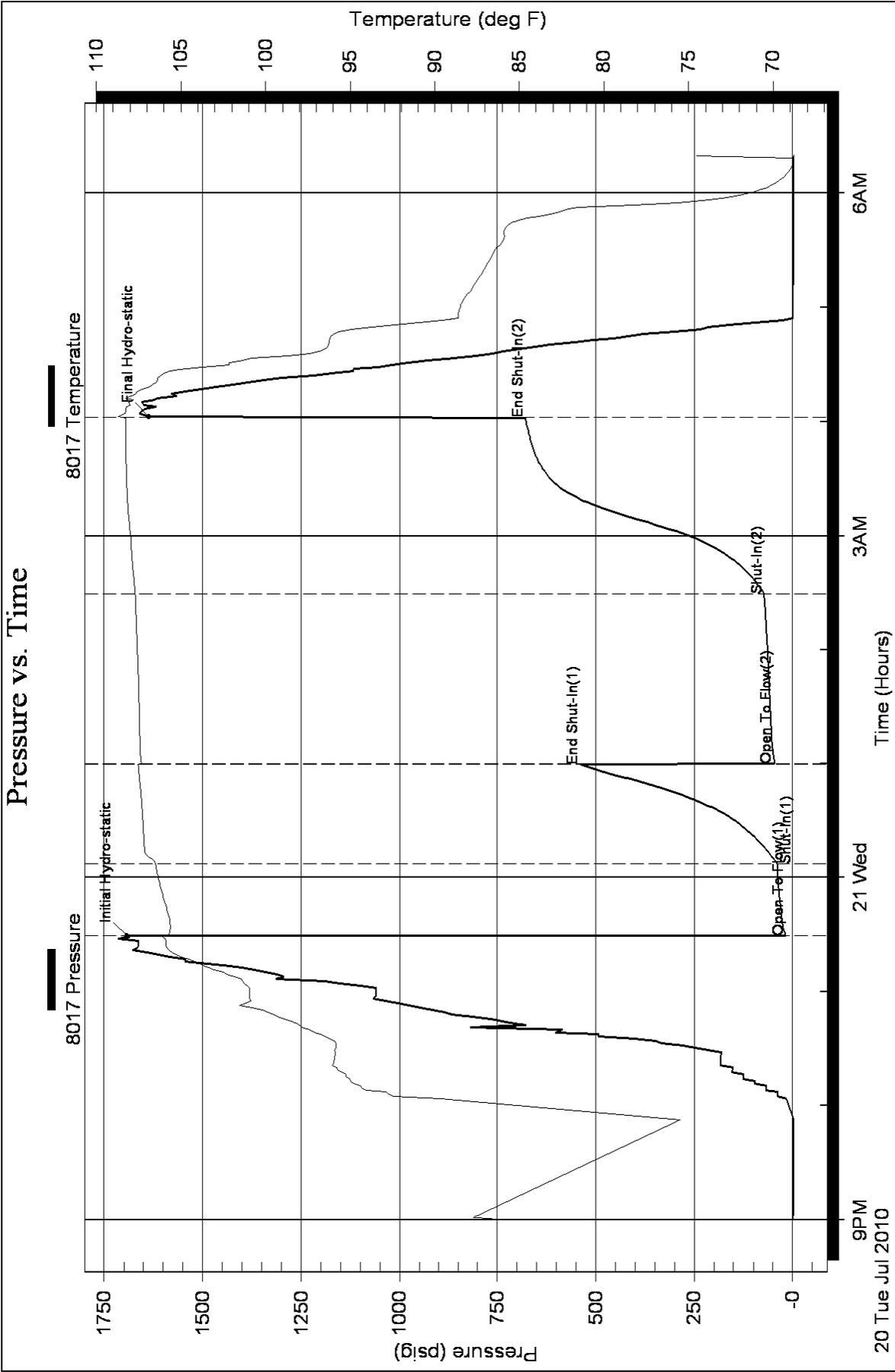
Recovery Information

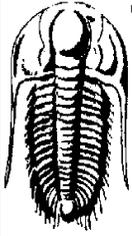
Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM5%O95%M	0.025
122.00	OCGM20%O25%G55%M	0.600
0.00	915 GIP	0.000

Total Length: 127.00 ft Total Volume: 0.625 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time





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Dinges #2
10-15s-18w
 Job Ticket: 36207 **DST#: 4**
 Test Start: 2010.07.21 @ 16:54:57

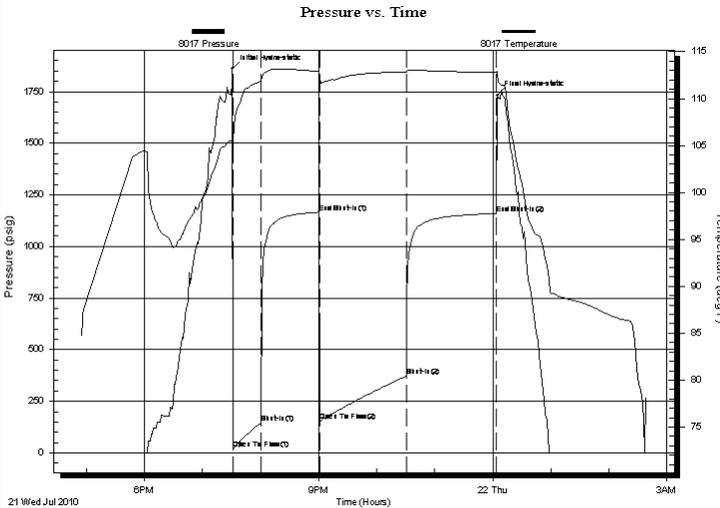
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:31:07
 Time Test Ended: 02:38:37
 Interval: **3590.00 ft (KB) To 3597.00 ft (KB) (TVD)**
 Total Depth: 3597.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Jeff Brown
 Unit No: 31
 Reference Elevations: 2031.00 ft (KB)
 2020.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8017 Inside
 Press @ Run Depth: 371.24 psig @ 3591.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.07.21 End Date: 2010.07.22 Last Calib.: 2010.07.22
 Start Time: 16:55:02 End Time: 02:38:36 Time On Btm: 2010.07.21 @ 19:30:57
 Time Off Btm: 2010.07.22 @ 00:04:36

TEST COMMENT: IFP-Strong blow BOB in 7 min
 ISI-Weak blow back built to 3 in
 FFP-Strong blow BOB in 7 min
 FSI-Dead no blow back

PRESSURE SUMMARY



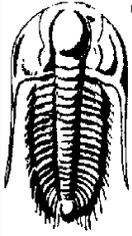
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1859.50	105.81	Initial Hydro-static
1	18.68	105.09	Open To Flow (1)
30	145.22	111.89	Shut-In(1)
90	1166.00	112.89	End Shut-In(1)
90	152.10	112.44	Open To Flow (2)
180	371.24	112.83	Shut-In(2)
273	1159.44	112.80	End Shut-In(2)
274	1732.82	112.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOCMW5%O80%W15%M	0.30
62.00	HOCGM30%O10%G60%M	0.30
868.00	G Oil 15%G 85%O	7.99
0.00	310 GIP	0.00

Gas Rates

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



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Dinges #2
10-15s-18w
 Job Ticket: 36207 **DST#: 4**
 Test Start: 2010.07.21 @ 16:54:57

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 32 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 3200 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.58 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: inches		

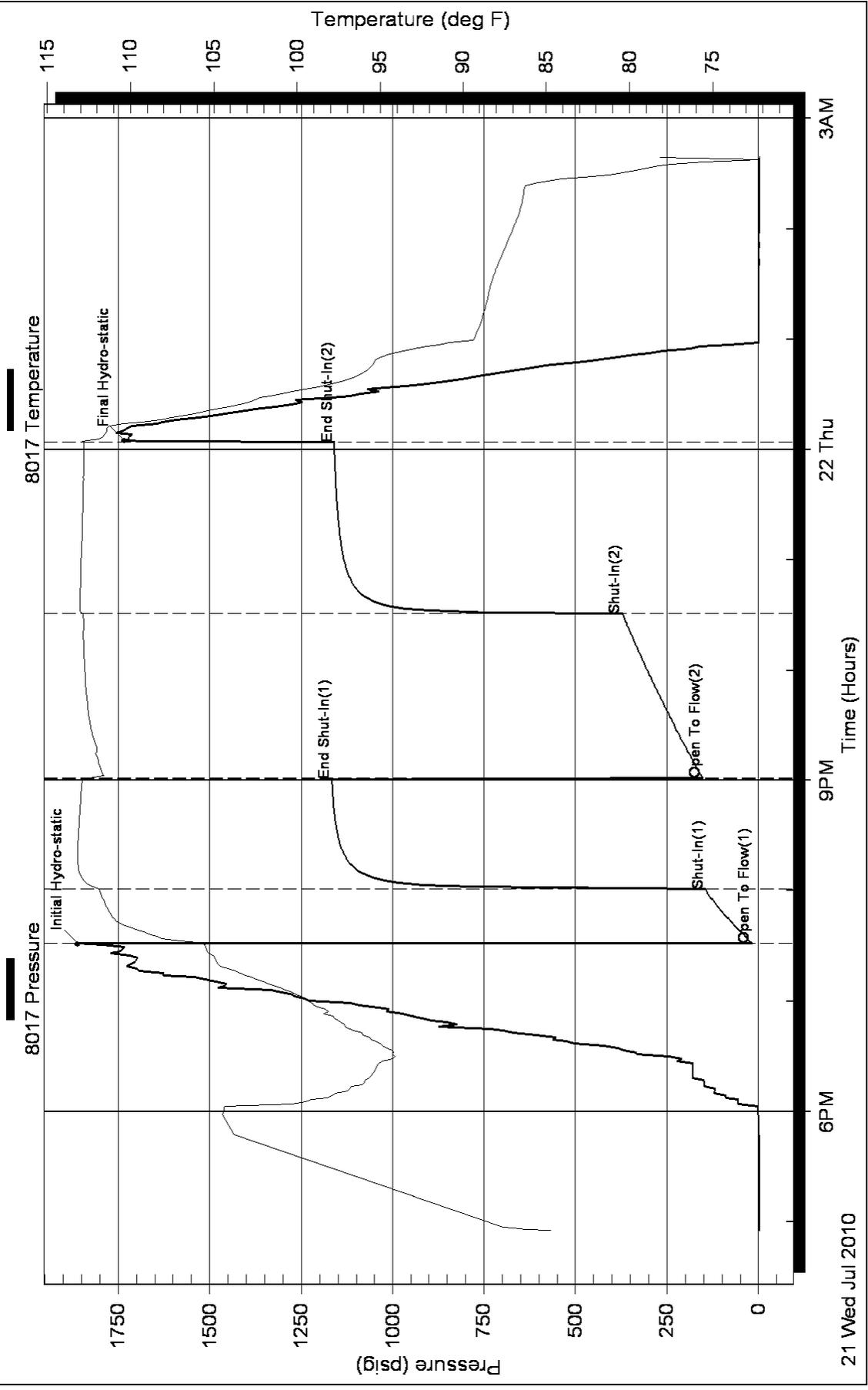
Recovery Information

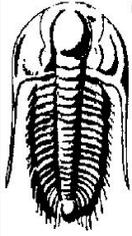
Recovery Table

Length ft	Description	Volume bbl
62.00	SOCMW5%O80%W15%M	0.305
62.00	HOCGM30%O10%G60%M	0.305
868.00	G Oil 15%G 85%O	7.992
0.00	310 GIP	0.000

Total Length: 992.00 ft Total Volume: 8.602 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





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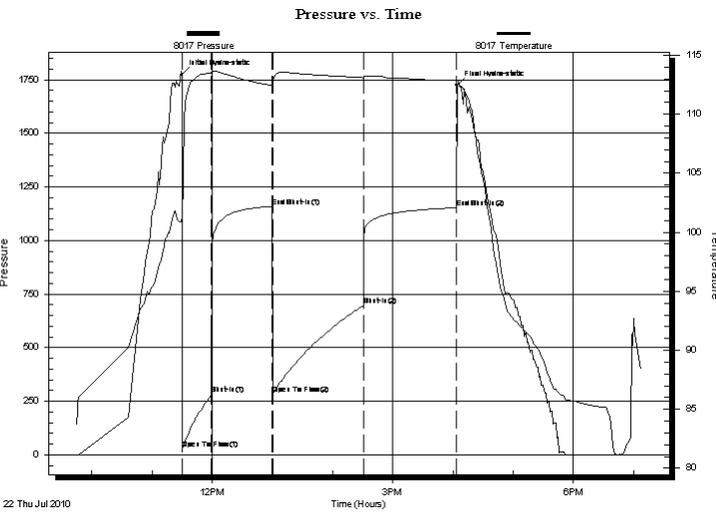
Dinges #2
10-15s-18w
 Job Ticket: 36208 **DST#: 5**
 Test Start: 2010.07.22 @ 09:44:58

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:29:58
 Time Test Ended: 19:07:17
 Interval: **3598.00 ft (KB) To 3605.00 ft (KB) (TVD)**
 Total Depth: 3605.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Jeff Brown
 Unit No: 31
 Reference Elevations: 2031.00 ft (KB)
 2020.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8017 Inside
 Press@RunDepth: 696.19 psig @ 3602.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.07.22 End Date: 2010.07.22 Last Calib.: 2010.07.22
 Start Time: 09:45:03 End Time: 19:07:18 Time On Btm: 2010.07.22 @ 11:29:48
 Time Off Btm: 2010.07.22 @ 16:03:58

TEST COMMENT: IFP-Strong blow BOB in 5 min
 ISI-Weak surface blow built to 3 in
 FFP-Strong blow BOB in 4 min
 FSI-Weak surface blow built to 1/4 in Died in 45 min



PRESSURE SUMMARY

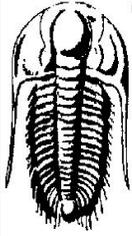
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1774.63	101.26	Initial Hydro-static
1	29.27	100.42	Open To Flow (1)
30	281.89	113.45	Shut-In(1)
90	1159.59	112.47	End Shut-In(1)
91	284.72	112.04	Open To Flow (2)
181	696.19	113.10	Shut-In(2)
274	1152.48	112.87	End Shut-In(2)
275	1724.99	112.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
234.00	Free oil	1.15
77.00	V SOCWM2%O48%W50%M	0.38
110.00	OCMW15%O40%M45%W	0.88
1116.00	Water	12.09

Gas Rates

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



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Dinges #2
10-15s-18w
Job Ticket: 36208 **DST#: 5**
Test Start: 2010.07.22 @ 09:44:58

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 38000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.19 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3800.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
234.00	Free oil	1.151
77.00	VSOCWM2%O48%W50%M	0.379
110.00	OCMW15%O40%M45%W	0.884
1116.00	Water	12.094

Total Length: 1537.00 ft Total Volume: 14.508 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

