DRILL STEM TEST REPORT

Berexco LLC.

Box 20380 Wichita Ks. 67208

ATTN: G

Bamberger #13

20/22/22

Job Ticket: 39332 **DST#: 1**

Test Start: 2010.07.20 @ 06:00:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:37:10
Time Test Ended: 15:33:00

Test Type: Conventional Bottom Hole
Tester: Harley Davidson
Unit No: 33

Interval: 4295.00 ft (KB) To 4325.00 ft (KB) (TVD)
Total Depth: 4325.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

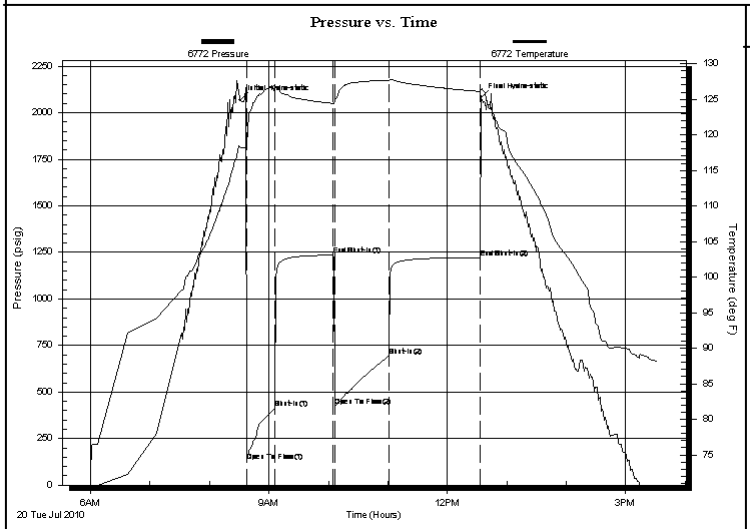
Reference Elevations: 4336.00 ft (KB)
4325.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6772 **Inside**

Press@RunDepth: 693.49 psig @ 4297.00 ft (KB)
Start Date: 2010.07.20 End Date: 2010.07.20
Start Time: 06:00:05 End Time: 15:33:00

Capacity: 8000.00 psig
Last Calib.: 2010.07.20
Time On Btm: 2010.07.20 @ 08:31:10
Time Off Btm: 2010.07.20 @ 12:34:09

TEST COMMENT: IF- Strong blow BOB 7min.
ISI- No blow back.
FF- Strong blow BOB 7min.
FSI- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2069.70	118.24	Initial Hydro-static
6	129.51	118.23	Open To Flow (1)
35	414.38	126.93	Shut-In(1)
93	1235.54	124.42	End Shut-In(1)
95	423.05	124.84	Open To Flow (2)
150	693.49	127.65	Shut-In(2)
242	1221.78	126.11	End Shut-In(2)
243	2081.01	126.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1500.00	5%gas5%oil 90%w ater trace of mud	15.16

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC.

Box 20380 Wichita Ks. 67208

ATTN: G

Bamberger #13

20/22/22

Job Ticket: 39332 **DST#: 1**

Test Start: 2010.07.20 @ 06:00:00

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:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	11.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5600.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

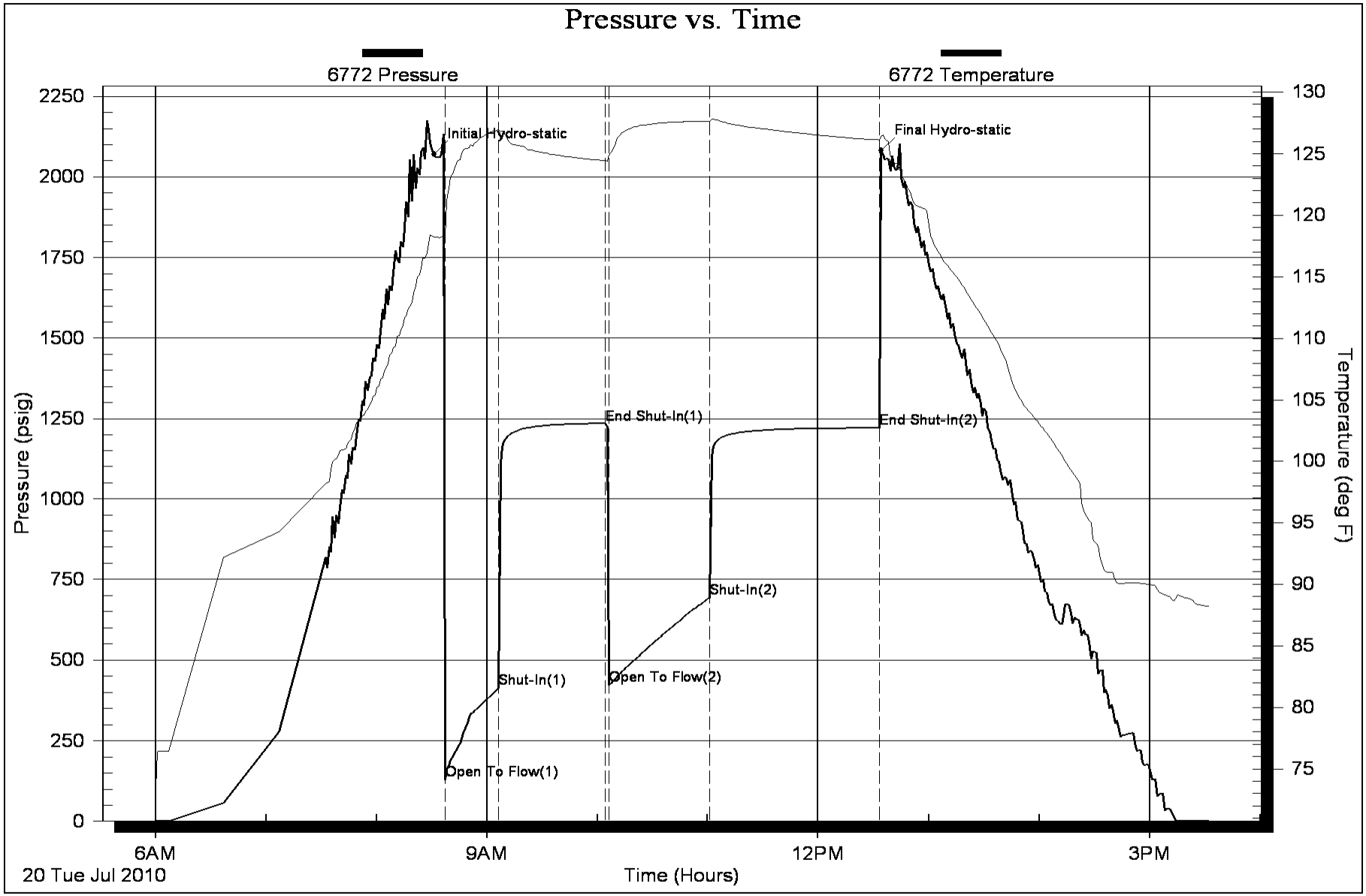
Length ft	Description	Volume bbl
1500.00	5%gas5%oil 90%w ater trace of mud	15.156

Total Length: 1500.00 ft Total Volume: 15.156 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6772 Pressure
6772 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
2250
2000
1750
1500
1250
1000
750
500
250
0
130
125
120
115
110
105
100
95
90
85
80
75
6AM
9AM
12PM
3PM
20 Tue Jul 2010
Time (Hours)

DRILL STEM TEST REPORT

Berexco LLC.

Box 20380 Wichita Ks. 67208

ATTN: G

Bamberger #13

20/22/22

Job Ticket: 39333 **DST#: 2**

Test Start: 2010.07.22 @ 06:30:05

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:25:20
Time Test Ended: 17:11:30

Test Type: Conventional Bottom Hole
Tester: Harley Davidson
Unit No: 33

Interval: 4506.00 ft (KB) To 4540.00 ft (KB) (TVD)
Total Depth: 4540.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

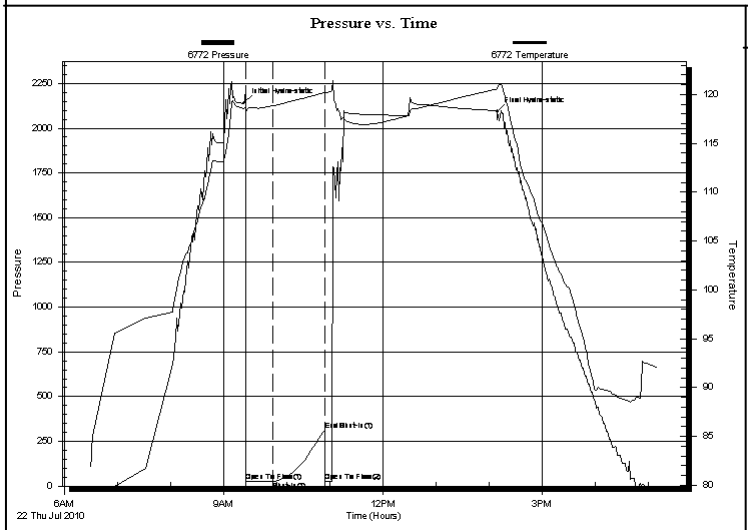
Reference Elevations: 4336.00 ft (KB)
4325.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6772

Press@RunDepth: 25.72 psig @ ft (KB)
Start Date: 2010.07.22 End Date: 2010.07.22
Start Time: 06:30:05 End Time: 17:11:30

Capacity: 8000.00 psig
Last Calib.: 2010.07.22
Time On Btm: 2010.07.22 @ 09:23:30
Time Off Btm: 2010.07.22 @ 14:09:29

TEST COMMENT: IF- Weak surface blow that died after 15min.
ISI- No blow back.
FF- No blow . soon after opened tool lost packer seat.
FSI- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2140.57	118.61	Initial Hydro-static
2	24.58	118.18	Open To Flow (1)
33	25.72	118.85	Shut-In(1)
91	313.72	120.21	End Shut-In(1)
92	27.51	120.05	Open To Flow (2)
286	2092.04	120.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1700.00	100% mud	17.96

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC.

Box 20380 Wichita Ks. 67208

ATTN: G

Bamberger #13

20/22/22

Job Ticket: 39333 **DST#: 2**

Test Start: 2010.07.22 @ 06:30:05

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:	12.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6600.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

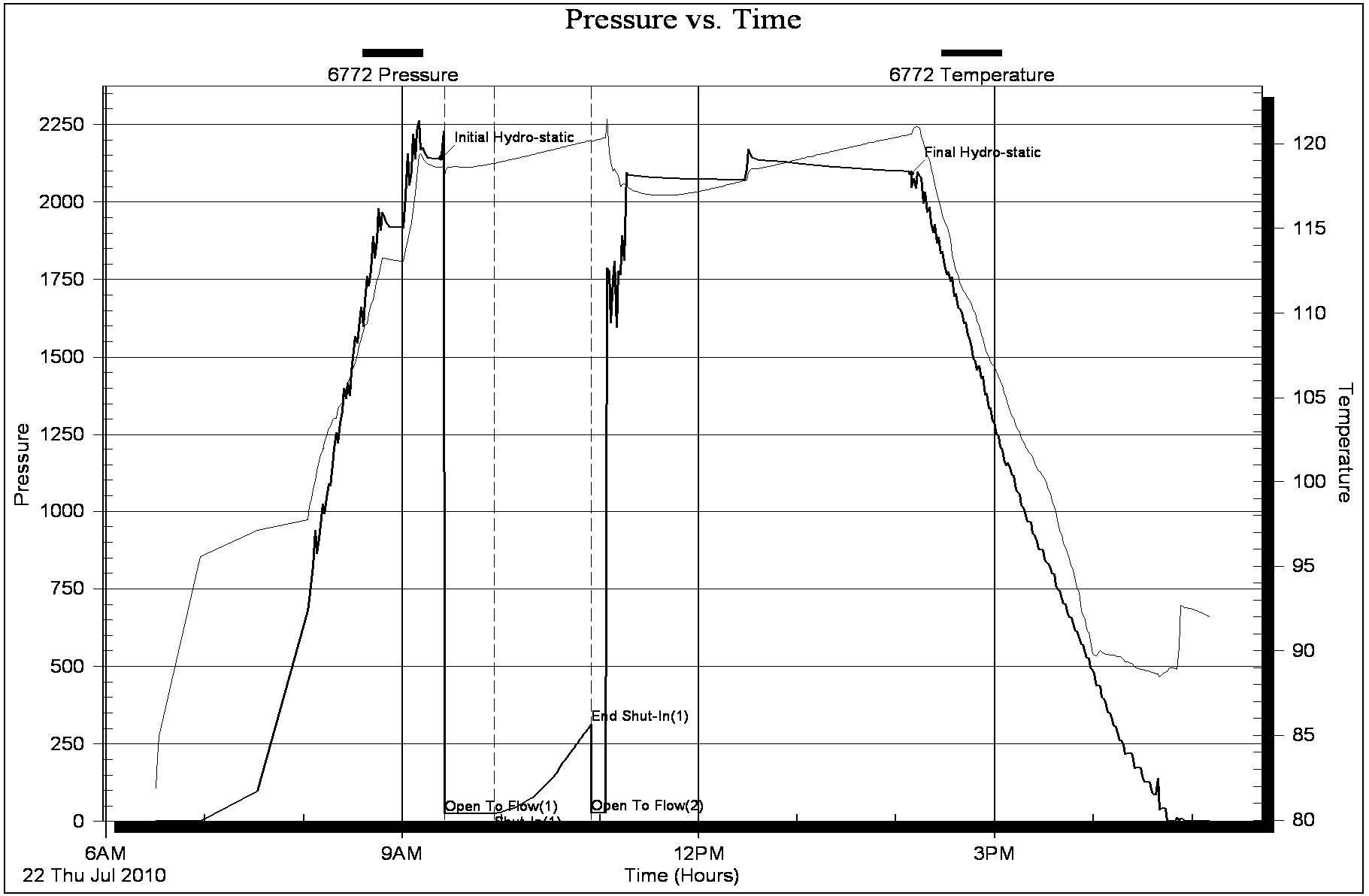
Length ft	Description	Volume bbl
1700.00	100% mud	17.962

Total Length: 1700.00 ft Total Volume: 17.962 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6772 Pressure
6772 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
2250
2000
1750
1500
1250
1000
750
500
250
0
120
115
110
105
100
95
90
85
80
6AM
22 Thu Jul 2010
9AM
12PM
3PM
Time (Hours)

DRILL STEM TEST REPORT

Berexco LLC.

Box 20380 Wichita Ks. 67208

ATTN: G

Bamberger #13

20/22/22

Job Ticket: 39335 **DST#: 3**

Test Start: 2010.07.22 @ 15:45:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:13:30
Time Test Ended: 01:32:30

Test Type: Conventional Bottom Hole
Tester: Harley Davidson
Unit No: 33

Interval: 4540.00 ft (KB) To 4549.00 ft (KB) (TVD)
Total Depth: 4549.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

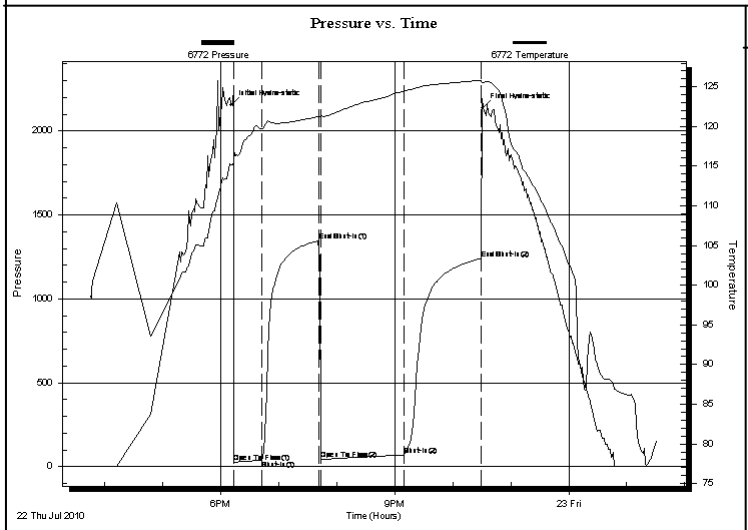
Reference Elevations: 4336.00 ft (KB)
4325.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6772

Press@RunDepth: 71.26 psig @ ft (KB)
Start Date: 2010.07.22 End Date: 2010.07.23
Start Time: 15:45:05 End Time: 01:32:30

Capacity: 8000.00 psig
Last Calib.: 2010.07.23
Time On Btm: 2010.07.22 @ 18:10:50
Time Off Btm: 2010.07.22 @ 22:31:00

TEST COMMENT: IF- Weak blow 1" in the bucket.
ISI- No blow back.
FF- No blow .
FSI- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2156.25	115.20	Initial Hydro-static
3	26.02	115.70	Open To Flow (1)
32	39.92	119.79	Shut-In(1)
90	1345.07	121.24	End Shut-In(1)
93	43.02	121.33	Open To Flow (2)
179	71.26	124.44	Shut-In(2)
259	1240.60	125.81	End Shut-In(2)
261	2137.96	125.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	100% oil	0.44
50.00	10% oil 40%w ater 50%mud	0.25

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC.

Box 20380 Wichita Ks. 67208

ATTN: G

Bamberger #13

20/22/22

Job Ticket: 39335 **DST#: 3**

Test Start: 2010.07.22 @ 15:45:00

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:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	14.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	11800.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

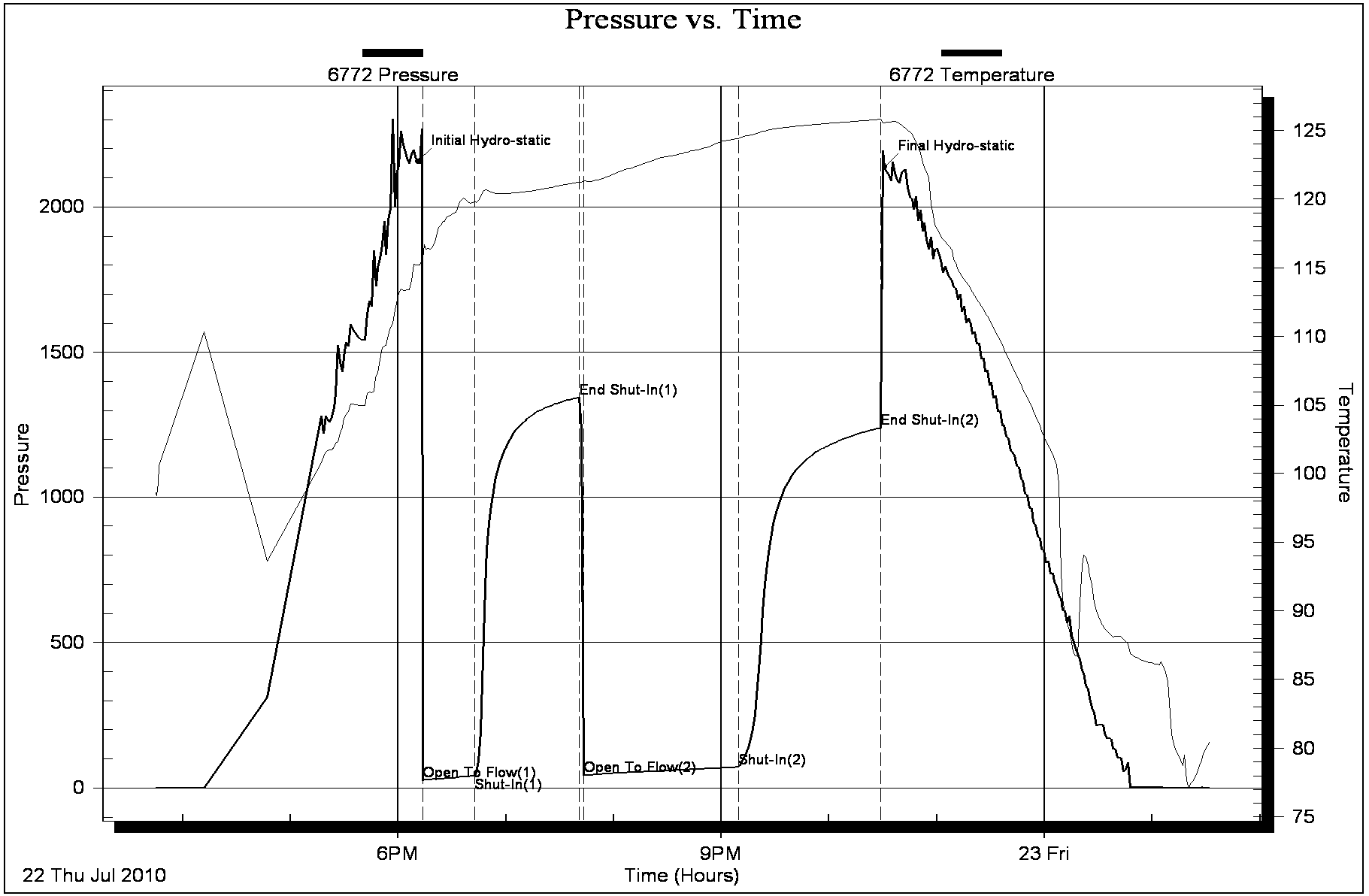
Length ft	Description	Volume bbl
90.00	100% oil	0.443
50.00	10% oil 40%w ater 50%mud	0.246

Total Length: 140.00 ft Total Volume: 0.689 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6772 Pressure
6772 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2000
1500
1000
500
0
125
120
115
110
105
100
95
90
85
80
75
6PM
9PM
23 Fri
22 Thu Jul 2010
Time (Hours)

DRILL STEM TEST REPORT

Berexco LLC.

Box 20380 Wichita Ks. 67208

ATTN: G

Bamberger #13

20/22/22

Job Ticket: 39336 **DST#: 4**

Test Start: 2010.07.23 @ 09:45:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:16:40
Time Test Ended: 19:40:30

Test Type: Conventional Bottom Hole
Tester: Harley Davidson
Unit No: 33

Interval: 4549.00 ft (KB) To 4556.00 ft (KB) (TVD)
Total Depth: 4556.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

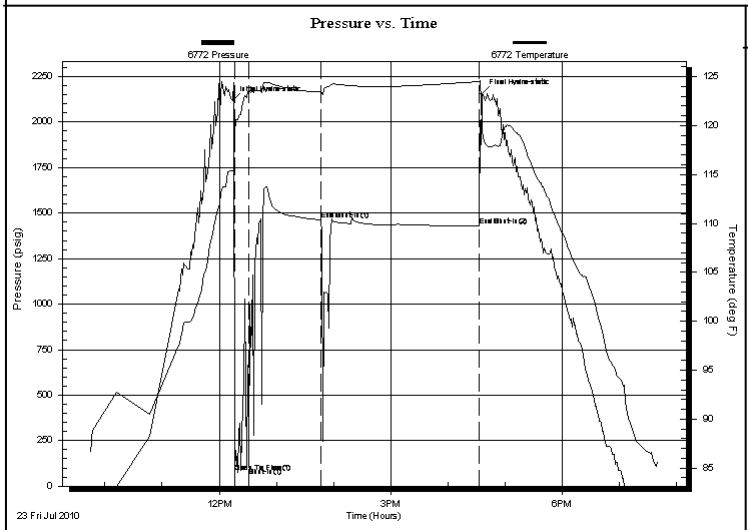
Reference Elevations: 4336.00 ft (KB)
4325.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6772 **Inside**

Press@RunDepth: 100.69 psig @ 4551.00 ft (KB)
Start Date: 2010.07.23 End Date: 2010.07.23
Start Time: 09:45:05 End Time: 19:40:30

Capacity: 8000.00 psig
Last Calib.: 2010.07.23
Time On Btm: 2010.07.23 @ 12:14:20
Time Off Btm: 2010.07.23 @ 16:35:39

TEST COMMENT: IF- Good blow 2" into bucket.
ISI- No blow back.
FF- No blow .
FSI- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.30	115.39	Initial Hydro-static
3	74.52	119.20	Open To Flow (1)
17	100.69	123.20	Shut-In(1)
93	1462.99	123.43	End Shut-In(1)
259	1430.73	124.51	End Shut-In(2)
262	2155.14	119.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	50% mud 50% w ater	0.74

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC.

Box 20380 Wichita Ks. 67208

ATTN: G

Bamberger #13

20/22/22

Job Ticket: 39336 **DST#: 4**

Test Start: 2010.07.23 @ 09:45:00

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:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	14.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	12600.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

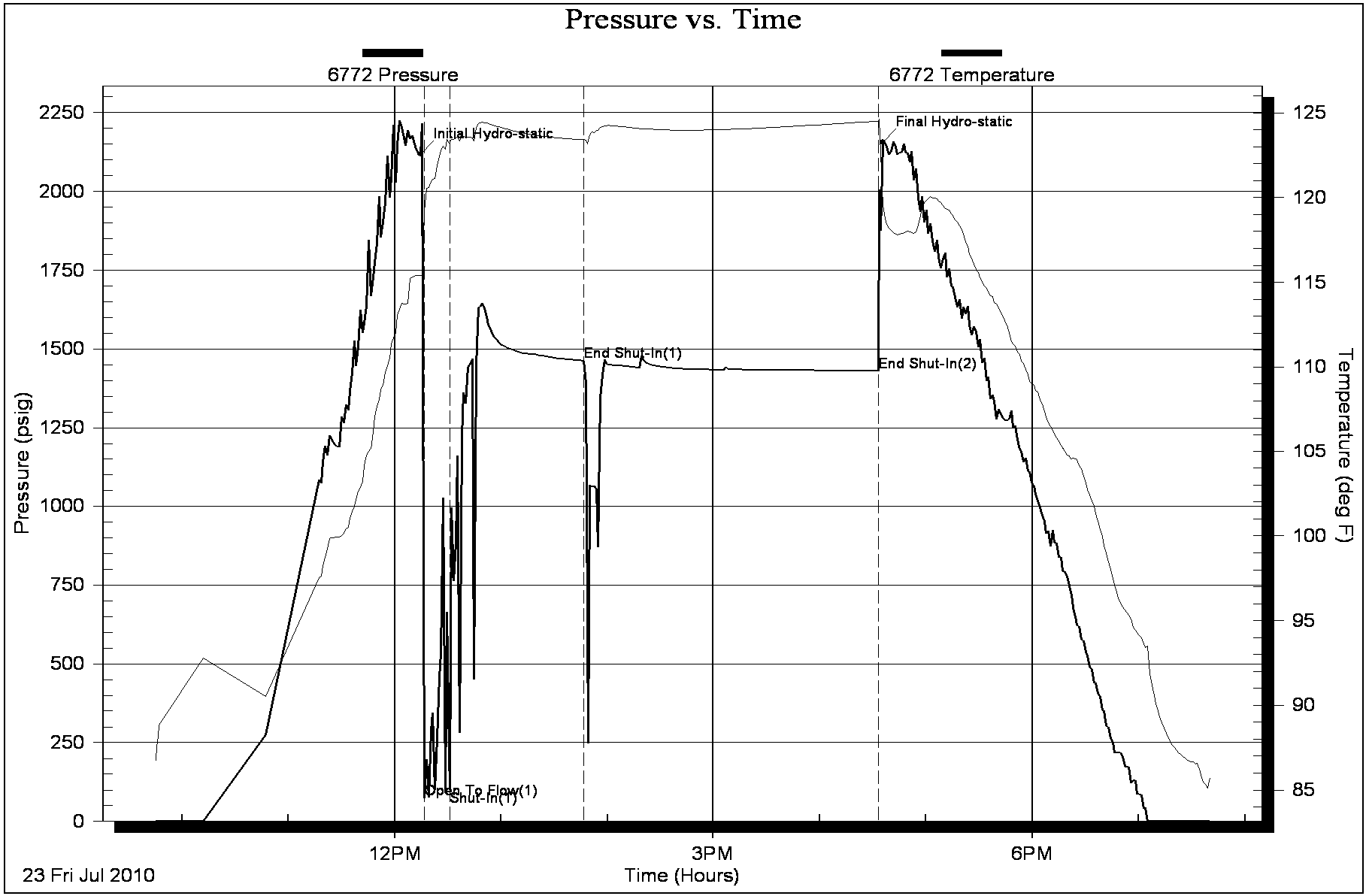
Length ft	Description	Volume bbl
150.00	50% mud 50% w ater	0.738

Total Length: 150.00 ft Total Volume: 0.738 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6772 Pressure
6772 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Pressure (psig)
Temperature (deg F)
2250
2000
1750
1500
1250
1000
750
500
250
0
125
120
115
110
105
100
95
90
85
12PM
3PM
6PM
23 Fri Jul 2010
Time (Hours)