TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources**

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

10-16s-28w Lane KS

Long Dixon #42-10

Start Date: 2009.12.05 @ 15:09:05
End Date: 2009.12.05 @ 21:02:29
Job Ticket #: 37663 DST #: 1

15-101-22201

RECEIVED
KANSAS CORPORATION COMMISSION
FEB 22 2010
CONSERVATION DIVISION
WICHITA, KS

KCC
FEB 12 2010
CONFIDENTIAL

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

Flatirons Resources Long Dixon #42-10 10-16s-28w Lane KS DST #1 Lane D 2009.12.05

10-165-28W

DRILL STEM TEST REPORT

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37663 **DST#: 1**

Test Start: 2009.12.05 @ 15:09:05

GENERAL INFORMATION:

Formation: **Lans D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:01:30
Time Test Ended: 21:02:29

Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 48

Interval: 3854.00 ft (KB) To 3880.00 ft (KB) (TVD)
Total Depth: 3880.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

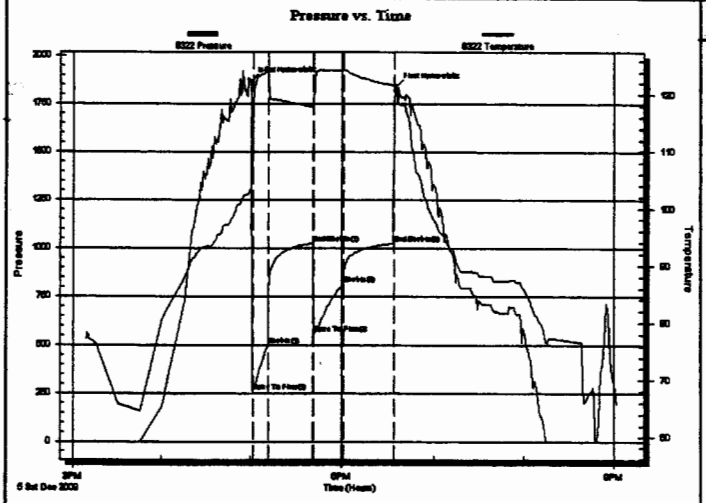
Reference Elevations: 2586.00 ft (KB)
2581.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 **Inside**

Press@RunDepth: 816.69 psig @ 3855.00 ft (KB)
Start Date: 2009.12.05 End Date: 2009.12.05
Start Time: 15:09:05 End Time: 21:02:29

Capacity: 8000.00 psig
Last Calib.: 2009.12.05
Time On Btm: 2009.12.05 @ 17:00:30
Time Off Btm: 2009.12.05 @ 18:35:15

TEST COMMENT: IF: BOB in 45 secs.
IS: Surface blow for 1 1/2 mins.
FF: BOB in 1 1/2 mins.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1867.29	103.37	Initial Hydro-static
1	263.48	113.33	Open To Flow (1)
11	500.95	123.94	Shut-In(1)
41	1026.02	117.78	End Shut-In(1)
42	560.00	117.75	Open To Flow (2)
61	816.69	124.22	Shut-In(2)
94	1025.18	121.56	End Shut-In(2)
95	1837.54	121.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	M 100%m	0.07
1436.00	SMCW 93%w 7%m	19.15
124.00	WCM 20%w 80%m	1.74
0.00	GIP = 0	0.00
0.00	RW = .114 @ 65F = 75000	0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37663 **DST#: 1**

Test Start: 2009.12.05 @ 15:09:05

Tool Information

Drill Pipe:	Length:	3722.00 ft	Diameter:	3.80 inches	Volume:	52.21 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:	124.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:		75000.00 lb
					Total Volume:	52.82 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		12.00 ft					String Weight:	Initial	47000.00 lb
Depth to Top Packer:		3854.00 ft						Final	52000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		26.00 ft							
Tool Length:		46.00 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			3835.00		
Shut In Tool	5.00			3840.00		
Hydraulic tool	5.00			3845.00		
Packer	5.00			3850.00	20.00	Bottom Of Top Packer
Packer	4.00			3854.00		
Stubb	1.00			3855.00		
Recorder	0.00	8322	Inside	3855.00		
Recorder	0.00	6741	Inside	3855.00		
Perforations	20.00			3875.00		
Bullnose	5.00			3880.00	26.00	Bottom Packers & Anchor
Total Tool Length:	**46.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37663 **DST#: 1**

Test Start: 2009.12.05 @ 15:09:05

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:	75000 ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	4.76 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1100.00 ppm				
Filter Cake:	1.00 inches				

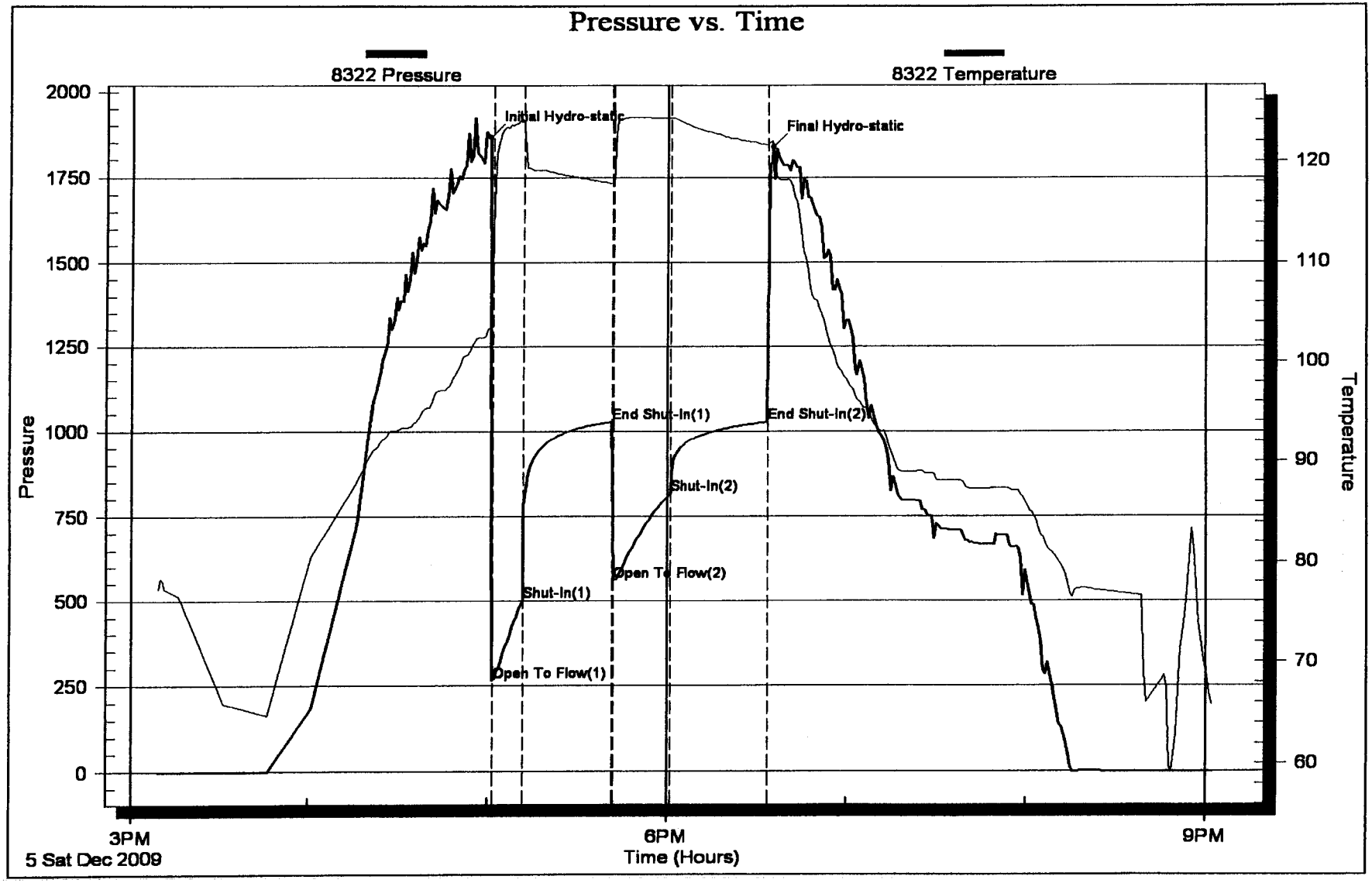
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	M 100%m	0.074
1436.00	SMCW 93%w 7%m	19.150
124.00	WCM 20%w 80%m	1.739
0.00	GIP = 0	0.000
0.00	RW = .114 @ 65F = 75000	0.000

Total Length: 1575.00 ft Total Volume: 20.963 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8322 Pressure
8322 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(2)
Shut-In(1)
Open To Flow(1)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
3PM
5 Sat Dec 2009
6PM
Time (Hours)
9PM

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources**

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

10-16s-28w Lane KS

Long Dixon #42-10

Start Date: 2009.12.06 @ 08:36:05
End Date: 2009.12.06 @ 17:20:00
Job Ticket #: 37664 DST #: 2

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37664 **DST#: 2**

Test Start: 2009.12.06 @ 08:36:05

GENERAL INFORMATION:

Formation: **Lans H**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:36:15
Time Test Ended: 17:20:00

Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 48

Interval: 3949.00 ft (KB) To 3994.00 ft (KB) (TVD)
Total Depth: 3994.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

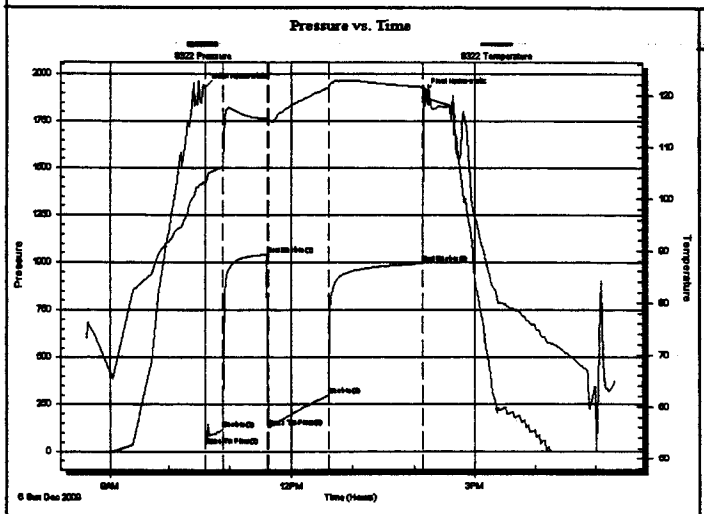
Reference Elevations: 2586.00 ft (KB)
2581.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 **Inside**

Press@RunDepth: 299.36 psig @ 3950.00 ft (KB)
Start Date: 2009.12.06 End Date: 2009.12.06
Start Time: 08:36:05 End Time: 17:20:00

Capacity: 8000.00 psig
Last Calib.: 2009.12.06
Time On Btm: 2009.12.06 @ 10:35:45
Time Off Btm: 2009.12.06 @ 14:10:14

TEST COMMENT: IF: BOB in 5 1/2 mins.
IS: Built to 9 inches.
FF: BOB in 7 mins.
FS: BOB in 18 mins died back to 9 inches.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1929.25	103.17	Initial Hydro-static
1	33.87	102.87	Open To Flow (1)
18	117.32	106.37	Shut-In(1)
62	1042.79	115.59	End Shut-In(1)
62	131.87	115.40	Open To Flow (2)
121	299.36	121.47	Shut-In(2)
213	996.35	121.53	End Shut-In(2)
215	1902.78	120.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
315.00	SMCO&G 20%g 70%o 10%m	3.29
470.00	CO 30%g 70%o	6.59
0.00	GIP = 1225 FT	0.00
0.00	API = 35@ 60F = 35	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37664 **DST#: 2**

Test Start: 2009.12.06 @ 08:36:05

Tool Information

Drill Pipe:	Length:	3815.00 ft	Diameter:	3.80 inches	Volume:	53.51 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:	124.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:		65000.00 lb
					Total Volume:	54.12 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		10.00 ft					String Weight:	Initial	48000.00 lb
Depth to Top Packer:		3949.00 ft						Final	50000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		45.00 ft							
Tool Length:		65.00 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			3930.00		
Shut In Tool	5.00			3935.00		
Hydraulic tool	5.00			3940.00		
Packer	5.00			3945.00	20.00	Bottom Of Top Packer
Packer	4.00			3949.00		
Stubb	1.00			3950.00		
Recorder	0.00	8322	Inside	3950.00		
Recorder	0.00	6741	Inside	3950.00		
Perforations	6.00			3956.00		
Change Over Sub	1.00			3957.00		
Drill Pipe	31.00			3988.00		
Change Over Sub	1.00			3989.00		
Bullnose	5.00			3994.00	45.00	Bottom Packers & Anchor
Total Tool Length:	**65.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37664 **DST#: 2**

Test Start: 2009.12.06 @ 08:36:05

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	35 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.74 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

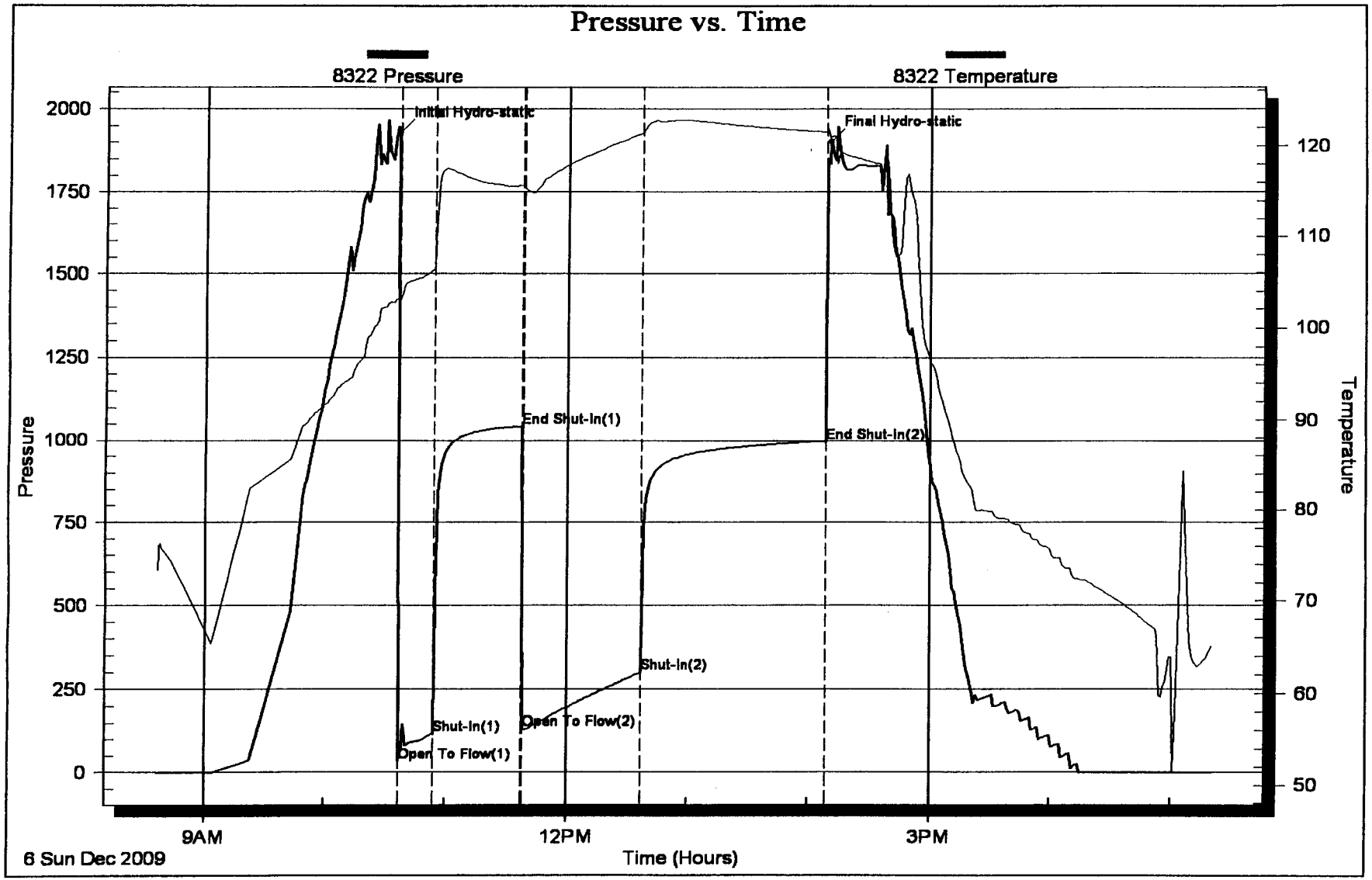
Length ft	Description	Volume bbl
315.00	SMCO&G 20%g 70%o 10%m	3.289
470.00	CO 30%g 70%o	6.593
0.00	GIP = 1225 FT	0.000
0.00	API = 35@ 60F = 35	0.000

Total Length: 785.00 ft Total Volume: 9.882 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8322 Pressure
8322 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Shut-In(2)
Open To Flow(2)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
9AM
12PM
3PM
6 Sun Dec 2009
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources**

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

10-16s-28w Lane KS

Long Dixon #42-10

Start Date: 2009.12.07 @ 00:32:05
End Date: 2009.12.07 @ 10:07:00
Job Ticket #: 37665 DST #: 3

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

DRILL STEM TEST REPORT

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37665 **DST#: 3**

Test Start: 2009.12.07 @ 00:32:05

GENERAL INFORMATION:

Formation: **Lans I**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:57:00
Time Test Ended: 10:07:00

Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 48

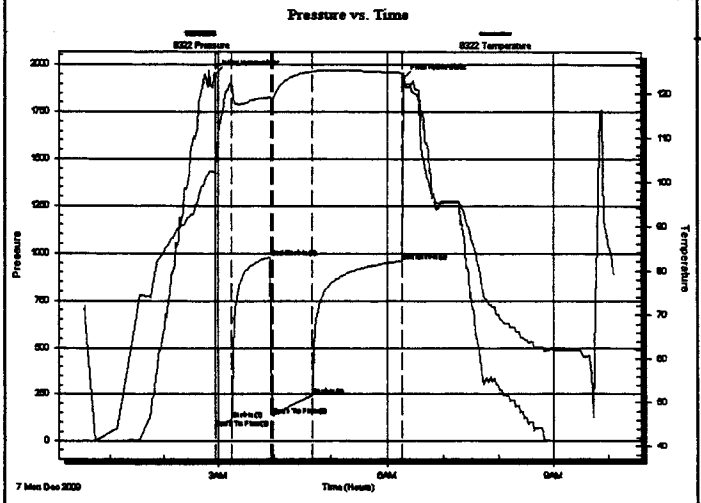
Interval: 3992.00 ft (KB) To 4028.00 ft (KB) (TVD)
Total Depth: 4028.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2586.00 ft (KB)
2581.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 **Inside**
Press@RunDepth: 240.97 psig @ 3993.00 ft (KB)
Start Date: 2009.12.07 End Date: 2009.12.07
Start Time: 00:32:05 End Time: 10:07:00

Capacity: 8000.00 psig
Last Calib.: 2009.12.07
Time On Btm: 2009.12.07 @ 02:56:30
Time Off Btm: 2009.12.07 @ 06:17:44

TEST COMMENT: IF: BOB in 3 mins.
IS: BOB in 8 mins died back to 8 inches.
FF: BOB in 3 mins.
FS: BOB in 22 mins died back to 7 inches.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1948.51	101.86	Initial Hydro-static
1	69.53	102.01	Open To Flow (1)
18	116.13	122.52	Shut-In(1)
60	981.44	118.94	End Shut-In(1)
62	134.12	118.73	Open To Flow (2)
104	240.97	124.81	Shut-In(2)
200	959.93	124.54	End Shut-In(2)
202	1928.21	123.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
252.00	G&MCO 10%g 80%o 10%m	2.41
568.00	SWCG&O 50%g 45%o 5%w	7.97
0.00	GIP = 1450 FT	0.00
0.00	API = 34@90F = 31	0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37665 **DST#: 3**

Test Start: 2009.12.07 @ 00:32:05

Tool Information

Drill Pipe:	Length:	3878.00 ft	Diameter:	3.80 inches	Volume:	54.40 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:	124.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:		75000.00 lb
					Total Volume:	55.01 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		30.00 ft					String Weight:	Initial	48000.00 lb
Depth to Top Packer:		3992.00 ft						Final	51000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		36.00 ft							
Tool Length:		56.00 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			3973.00		
Shut In Tool	5.00			3978.00		
Hydraulic tool	5.00			3983.00		
Packer	5.00			3988.00	20.00	Bottom Of Top Packer
Packer	4.00			3992.00		
Stubb	1.00			3993.00		
Recorder	0.00	8322	Inside	3993.00		
Recorder	0.00	6741	Inside	3993.00		
Perforations	30.00			4023.00		
Bullnose	5.00			4028.00	36.00	Bottom Packers & Anchor
Total Tool Length:	**56.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37665 **DST#: 3**

Test Start: 2009.12.07 @ 00:32:05

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:	ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.76 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	1.00 inches				

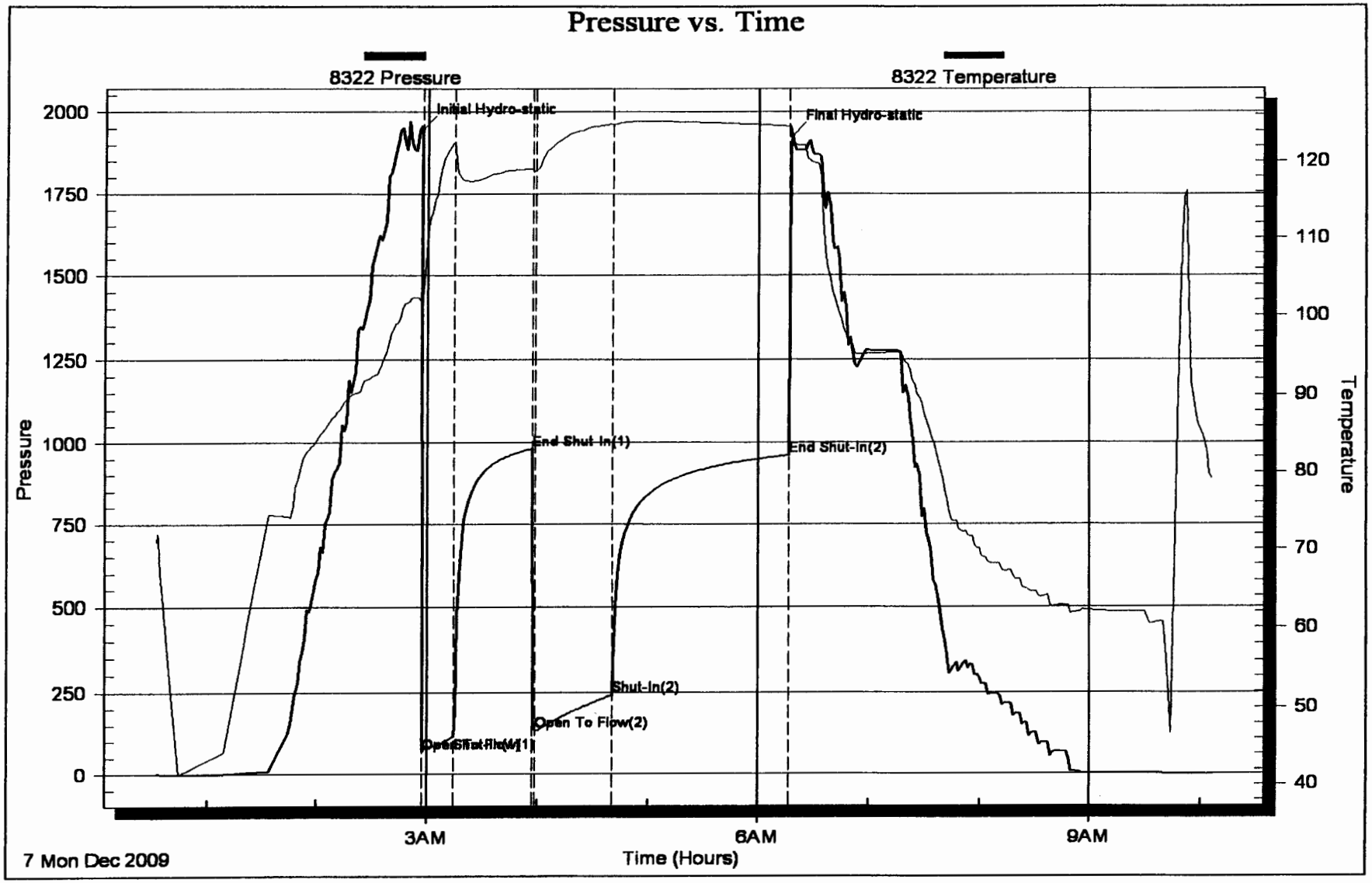
Recovery Information

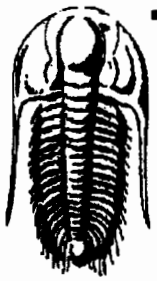
Recovery Table

Length ft	Description	Volume bbl
252.00	G&MCO 10%g 80%o 10%m	2.405
568.00	SWCG&O 50%g 45%o 5%w	7.968
0.00	GIP = 1450 FT	0.000
0.00	API = 34@90F = 31	0.000

Total Length: 820.00 ft Total Volume: 10.373 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8322 Pressure
8322 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(2)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
40
3AM
6AM
9AM
7 Mon Dec 2009
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources**

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

10-16s-28w Lane KS

Long Dixon #42-10

Start Date: 2009.12.07 @ 17:08:05
End Date: 2009.12.08 @ 02:08:45
Job Ticket #: 37666 DST #: 4

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

DRILL STEM TEST REPORT

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37666 **DST#: 4**

Test Start: 2009.12.07 @ 17:08:05

GENERAL INFORMATION:

Formation: **Lans J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:21:15
Time Test Ended: 02:08:45

Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 48

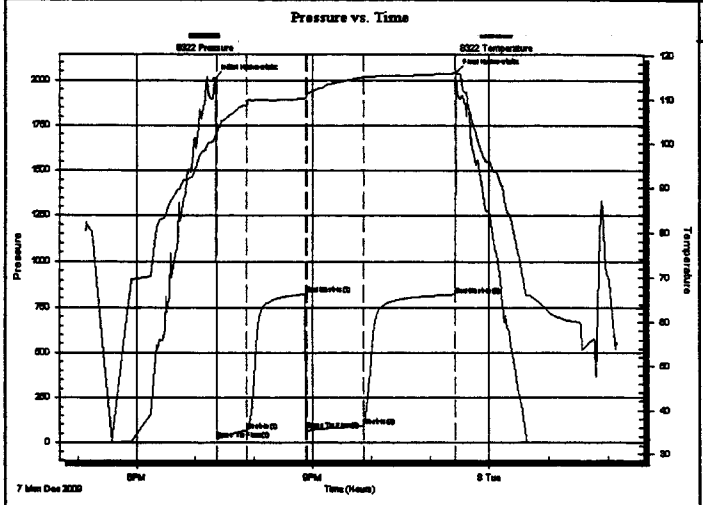
Interval: 4026.00 ft (KB) To 4050.00 ft (KB) (TVD)
Total Depth: 4050.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2586.00 ft (KB)
2581.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 **Inside**
Press@RunDepth: 90.75 psig @ 4027.00 ft (KB)
Start Date: 2009.12.07 End Date: 2009.12.08
Start Time: 17:08:05 End Time: 02:08:45

Capacity: 8000.00 psig
Last Calib.: 2009.12.08
Time On Btm: 2009.12.07 @ 19:19:30
Time Off Btm: 2009.12.07 @ 23:26:30

TEST COMMENT: IF: Built to 6 1/2 inches.
IS: Surface blow for 19 mins.
FF: BOB in 37 mins.
FS: 1/2 inch for 24 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2009.03	101.50	Initial Hydro-static
2	16.35	101.63	Open To Flow (1)
33	65.34	108.46	Shut-In(1)
94	822.63	110.26	End Shut-In(1)
95	69.51	110.83	Open To Flow (2)
153	90.75	115.10	Shut-In(2)
246	820.39	115.93	End Shut-In(2)
247	2042.61	116.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	OCM 10%o90%m	0.64
44.00	GO&WCM 10%g 20%o 10%w 60%m	0.62
40.00	GW&MCO 10%g 50%o 5 %w 35%m	0.56
0.00	GIP = 0	0.00
0.00	API = N/A	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37666 **DST#: 4**

Test Start: 2009.12.07 @ 17:08:05

Tool Information

Drill Pipe:	Length:	3909.00 ft	Diameter:	3.80 inches	Volume:	54.83 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:	124.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:		65000.00 lb
					Total Volume:	55.44 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		27.00 ft					String Weight:	Initial	48000.00 lb
Depth to Top Packer:		4026.00 ft						Final	49000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		24.00 ft							
Tool Length:		44.00 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			4007.00		
Shut In Tool	5.00			4012.00		
Hydraulic tool	5.00			4017.00		
Packer	5.00			4022.00	20.00	Bottom Of Top Packer
Packer	4.00			4026.00		
Stubb	1.00			4027.00		
Recorder	0.00	8322	Inside	4027.00		
Recorder	0.00	6741	Inside	4027.00		
Perforations	18.00			4045.00		
Bullnose	5.00			4050.00	24.00	Bottom Packers & Anchor
Total Tool Length:	**44.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-26w Lane KS

Job Ticket: 37666 **DST#: 4**

Test Start: 2009.12.07 @ 17:08:05

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:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.94 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2200.00 ppm				
Filter Cake:	1.00 inches				

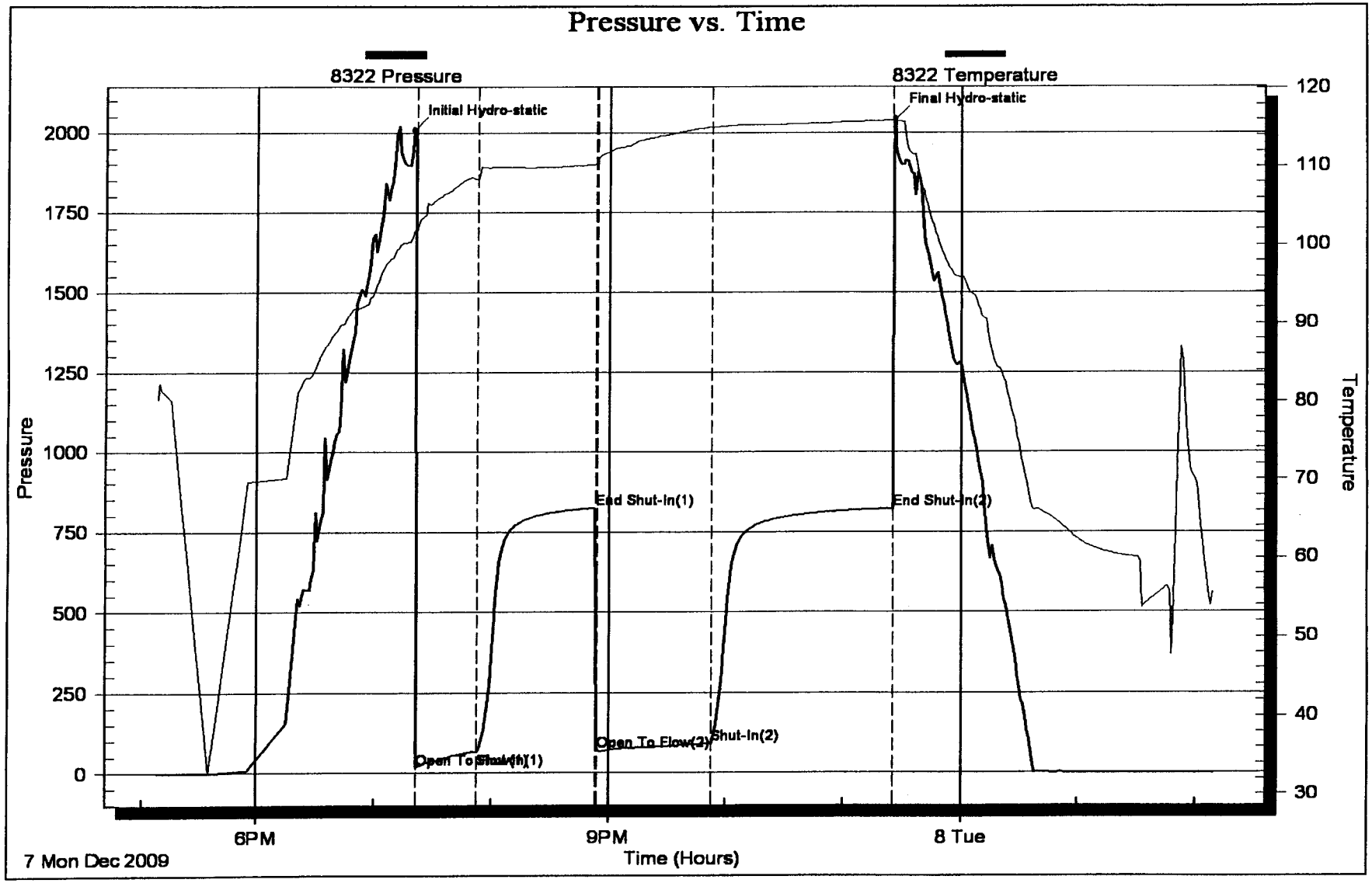
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	OCM 10%o90%m	0.638
44.00	GO&WCM 10%g 20%o 10%w 60%m	0.617
40.00	GW&MCO 10%g 50%o 5 %w 35%m	0.561
0.00	GIP = 0	0.000
0.00	API = N/A	0.000

Total Length: 210.00 ft Total Volume: 1.816 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8322 Pressure
8322 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
40
30
6PM
9PM
8 Tue
7 Mon Dec 2009
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources**

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

10-16s-28w Lane KS

Long Dixon #42-10

Start Date: 2009.12.10 @ 19:03:00
End Date: 2009.12.11 @ 04:28:15
Job Ticket #: 37668 DST #: 6

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

DRILL STEM TEST REPORT

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37668 **DST#: 6**

Test Start: 2009.12.10 @ 19:03:00

GENERAL INFORMATION:

Formation: **Lans K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:09:00
Time Test Ended: 04:28:15

Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 48

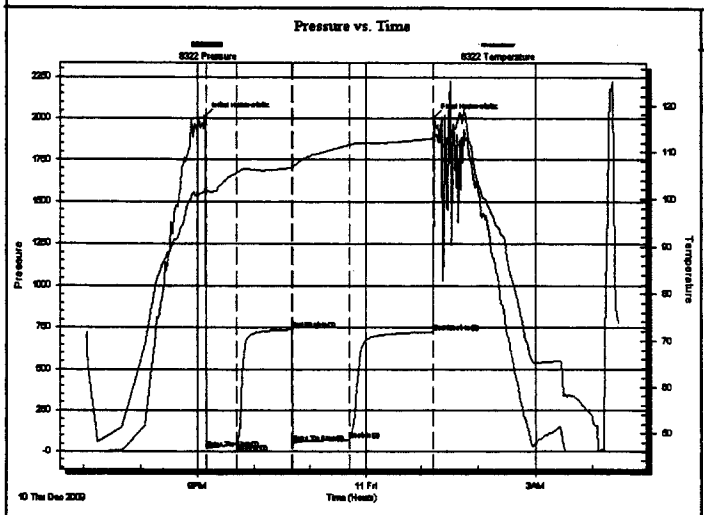
Interval: 4053.00 ft (KB) To 4080.00 ft (KB) (TVD)
Total Depth: 4080.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2586.00 ft (KB)
2581.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 **Inside**
Press@RunDepth: 71.27 psig @ 4054.00 ft (KB)
Start Date: 2009.12.10 End Date: 2009.12.11
Start Time: 19:03:05 End Time: 04:28:15

Capacity: 8000.00 psig
Last Calib.: 2009.12.11
Time On Btm: 2009.12.10 @ 21:07:15
Time Off Btm: 2009.12.11 @ 01:14:45

TEST COMMENT: IF: Built to 5 1/2 inches
IS: Surface blow for 14 mins
FF: Built to 7 1/2 inches
FS: Built to 1 inch died in 70 mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2010.62	101.54	Initial Hydro-static
2	16.86	101.69	Open To Flow (1)
34	48.91	105.60	Shut-In(1)
93	739.42	106.63	End Shut-In(1)
94	54.72	106.68	Open To Flow (2)
155	71.27	111.53	Shut-In(2)
247	726.06	112.89	End Shut-In(2)
248	2004.79	113.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	M 100%m	0.10
130.00	O&WCM 5%o 15%w 80%m	0.88
0.00	GIP = 65 ft	0.00
0.00	API = N/A	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

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37668 **DST#: 6**

Test Start: 2009.12.10 @ 19:03:00

Tool Information

Drill Pipe:	Length:	3941.00 ft	Diameter:	3.80 inches	Volume:	55.28 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:	124.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:	100000.0 lb
					Total Volume:	55.89 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		32.00 ft					String Weight: Initial	48000.00 lb
Depth to Top Packer:		4053.00 ft					Final	50000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		27.00 ft						
Tool Length:		47.00 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			4034.00		
Shut In Tool	5.00			4039.00		
Hydraulic tool	5.00			4044.00		
Packer	5.00			4049.00	20.00	Bottom Of Top Packer
Packer	4.00			4053.00		
Stubb	1.00			4054.00		
Recorder	0.00	8322	Inside	4054.00		
Recorder	0.00	6741	Inside	4054.00		
Perforations	21.00			4075.00		
Bullnose	5.00			4080.00	27.00	Bottom Packers & Anchor
Total Tool Length:	**47.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37668 **DST#: 6**

Test Start: 2009.12.10 @ 19:03:00

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:	bbl		
Water Loss:	7.17 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2500.00 ppm				
Filter Cake:	1.00 inches				

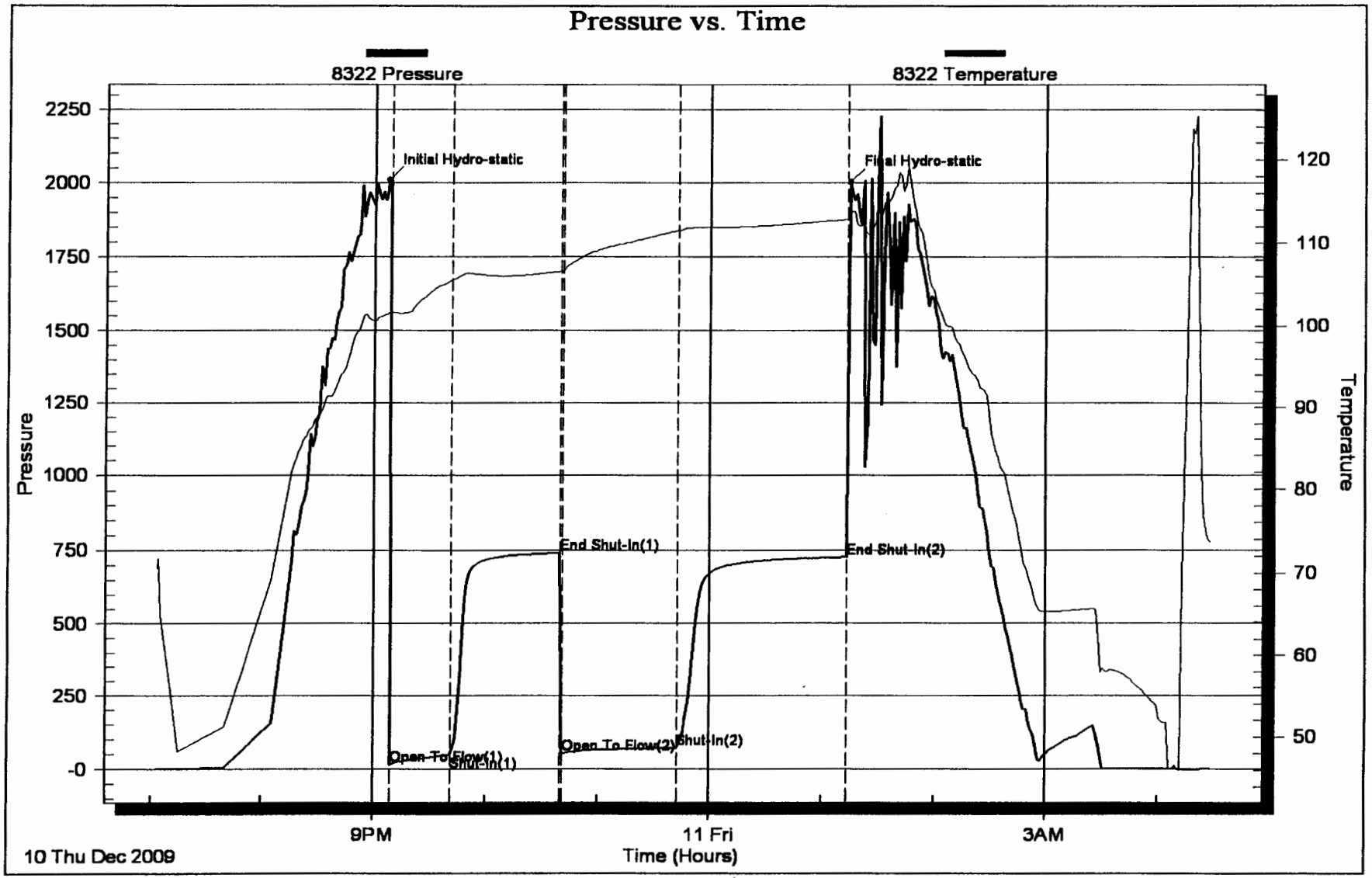
Recovery Information

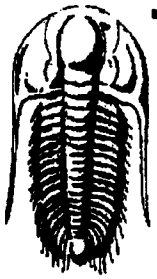
Recovery Table

Length ft	Description	Volume bbl
20.00	M 100%m	0.098
130.00	O&WCM 5%o 15%w 80%m	0.876
0.00	GIP = 65 ft	0.000
0.00	API = N/A	0.000
0.00	RW = N/A	0.000

Total Length: 150.00 ft Total Volume: 0.974 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8322 Pressure
8322 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
2250
2000
1750
1500
1250
1000
750
500
250
-0
120
110
100
90
80
70
60
50
9PM
11 Fri
3AM
10 Thu Dec 2009
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources**

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

10-16s-28w Lane KS

Long Dixon #42-10

Start Date: 2009.12.12 @ 02:38:05
End Date: 2009.12.12 @ 09:13:44
Job Ticket #: 37669 DST #: 7

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37669 **DST#: 7**

Test Start: 2009.12.12 @ 02:38:05

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:20:45
Time Test Ended: 09:13:44

Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 48

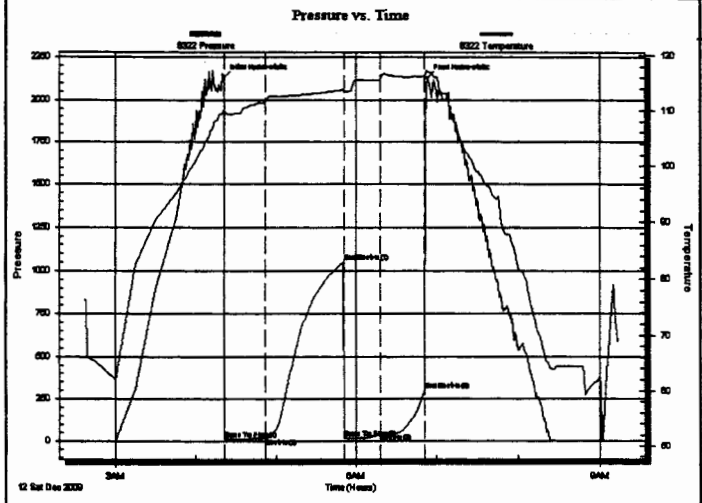
Interval: 4252.00 ft (KB) To 4286.00 ft (KB) (TVD)
Total Depth: 4286.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2586.00 ft (KB)
2581.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 **Inside**
Press@RunDepth: 48.88 psig @ 4253.00 ft (KB)
Start Date: 2009.12.12 End Date: 2009.12.12
Start Time: 02:38:05 End Time: 09:13:44

Capacity: 8000.00 psig
Last Calib.: 2009.12.12
Time On Btm: 2009.12.12 @ 04:20:15
Time Off Btm: 2009.12.12 @ 06:53:00

TEST COMMENT: IF: Built to 1 1/2 inches.
IS: Surface blow for 5 mins.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2129.92	110.02	Initial Hydro-static
1	13.80	109.63	Open To Flow (1)
32	16.67	111.51	Shut-In(1)
91	1050.80	113.79	End Shut-In(1)
91	18.72	113.35	Open To Flow (2)
118	48.88	115.57	Shut-In(2)
151	298.45	116.29	End Shut-In(2)
153	2128.13	117.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	O spotted M 100%m	0.02
0.00	GIP = 0	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37669 **DST#: 7**

Test Start: 2009.12.12 @ 02:38:05

Tool Information

Drill Pipe:	Length:	4127.00 ft	Diameter:	3.80 inches	Volume:	57.89 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:	124.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:		60000.00 lb
					Total Volume:	58.50 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		19.00 ft					String Weight:	Initial	50000.00 lb
Depth to Top Packer:		4252.00 ft						Final	50000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		34.00 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	
Change Over Sub	1.00			4233.00		
Shut In Tool	5.00			4238.00		
Hydraulic tool	5.00			4243.00		
Packer	5.00			4248.00	20.00	Bottom Of Top Packer
Packer	4.00			4252.00		
Stubb	1.00			4253.00		
Recorder	0.00	8322	Inside	4253.00		
Recorder	0.00	6741	Inside	4253.00		
Perforations	28.00			4281.00		
Bullnose	5.00			4286.00	34.00	Bottom Packers & Anchor
Total Tool Length:	**54.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37669 **DST#: 7**

Test Start: 2009.12.12 @ 02:38:05

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:	7.17 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2600.00 ppm				
Filter Cake:	1.00 inches				

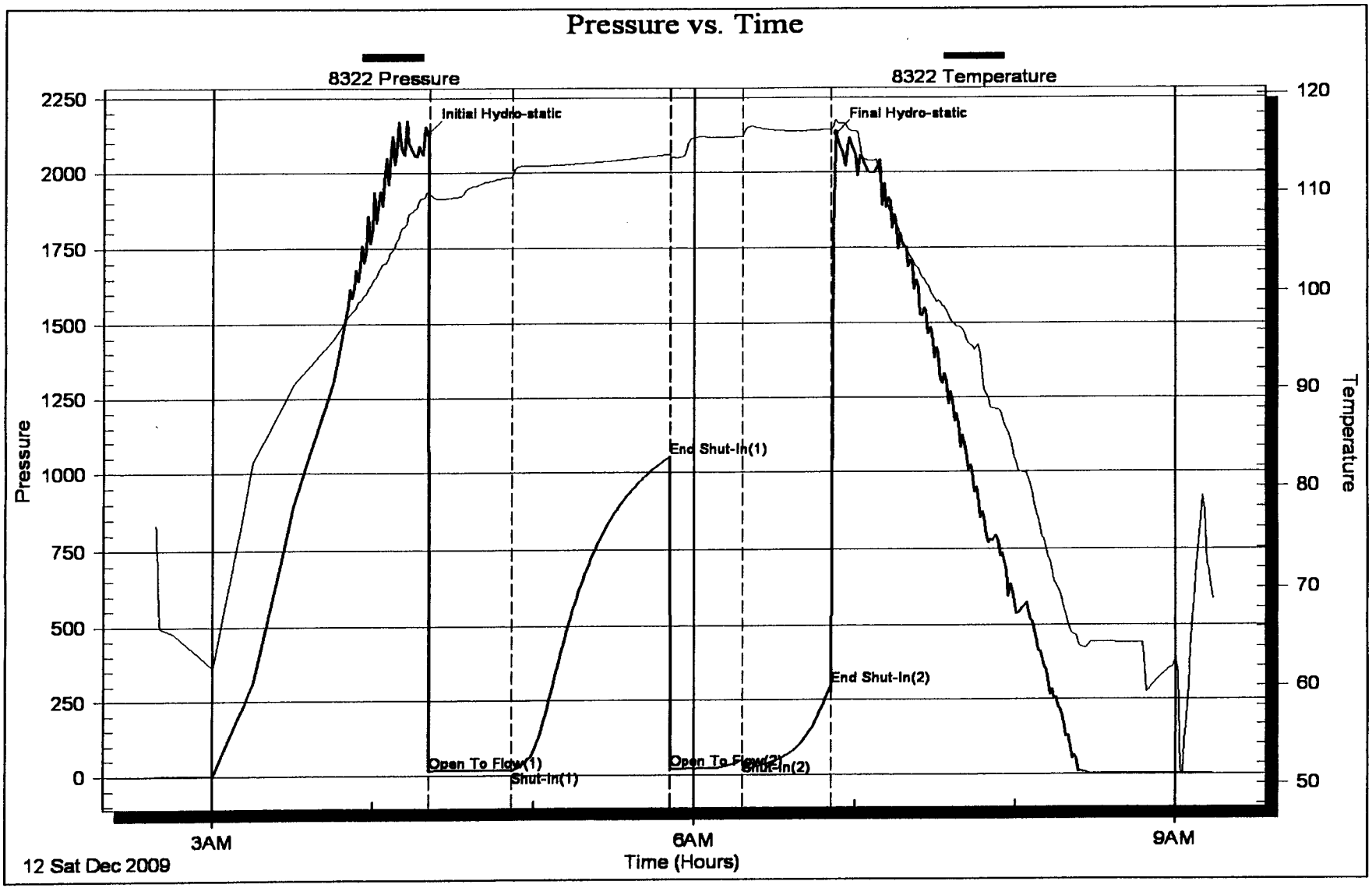
Recovery Information

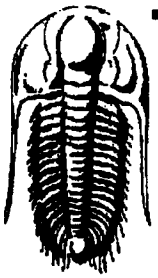
Recovery Table

Length ft	Description	Volume bbl
5.00	O spotted M 100%m	0.025
0.00	GIP = 0	0.000

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8322 Pressure
8322 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
2250
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
3AM
6AM
9AM
Time (Hours)
12 Sat Dec 2009



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources**

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

10-16s-28w Lane KS

Long Dixon #42-10

Start Date: 2009.12.12 @ 17:39:05
End Date: 2009.12.13 @ 01:30:59
Job Ticket #: 37912 DST #: 8

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37912 **DST#: 8**

Test Start: 2009.12.12 @ 17:39:05

GENERAL INFORMATION:

Formation: **Ft. Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:57:00
Time Test Ended: 01:30:59

Test Type: Conventional Bottom Hole
Tester: Mike Roberts
Unit No: 48

Interval: 4298.00 ft (KB) To 4330.00 ft (KB) (TVD)
Total Depth: 3880.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

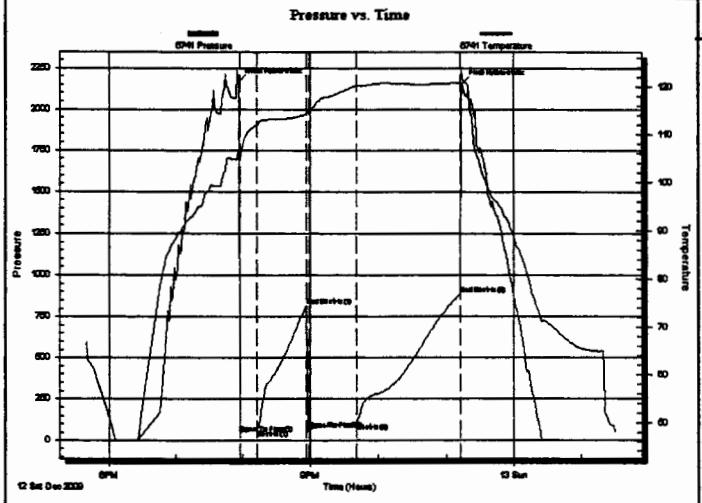
Reference Elevations: 2586.00 ft (KB)
2581.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 106.16 psig @ 4299.00 ft (KB)
Start Date: 2009.12.12 End Date: 2009.12.13
Start Time: 17:39:05 End Time: 01:30:59

Capacity: 8000.00 psig
Last Calib.: 2009.12.13
Time On Btm: 2009.12.12 @ 19:56:45
Time Off Btm: 2009.12.12 @ 23:13:44

TEST COMMENT: IF:BOB in 8 min.
IS:1/2" return died in 30 min.
FF:BOB in 4 min
FS:Return surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2168.87	106.56	Initial Hydro-static
1	40.58	104.85	Open To Flow (1)
16	66.82	111.93	Shut-In(1)
60	814.79	114.16	End Shut-In(1)
62	67.59	115.03	Open To Flow (2)
105	106.16	120.19	Shut-In(2)
196	886.27	120.73	End Shut-In(2)
197	2154.65	121.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GCMO 10% g 30%m 60%o	0.30
60.00	GCMO 10%g 20%m 70%o	0.30
120.00	GO 50%o 50%g	1.65
0.00	720 ft GIP	0.00
0.00	API= 37@70F 36	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37912 **DST#: 8**

Test Start: 2009.12.12 @ 17:39:05

Tool Information

Drill Pipe:	Length:	4161.00 ft	Diameter:	3.80 inches	Volume:	58.37 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:	124.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:		60000.00 lb
					Total Volume:	58.98 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		7.00 ft					String Weight:	Initial	50000.00 lb
Depth to Top Packer:		4298.00 ft						Final	51000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		32.00 ft							
Tool Length:		52.00 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			4279.00		
Shut In Tool	5.00			4284.00		
Hydraulic tool	5.00			4289.00		
Packer	5.00			4294.00	20.00	Bottom Of Top Packer
Packer	4.00			4298.00		
Stubb	1.00			4299.00		
Recorder	0.00	8322	Inside	4299.00		
Recorder	0.00	6741	Inside	4299.00		
Perforations	26.00			4325.00		
Bullnose	5.00			4330.00	32.00	Bottom Packers & Anchor
Total Tool Length:	**52.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources

303 E 17th Ave, Ste 940
Denver CO, 80202

ATTN: Tim Priest

Long Dixon #42-10

10-16s-28w Lane KS

Job Ticket: 37912 **DST#: 8**

Test Start: 2009.12.12 @ 17:39:05

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	36 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	4.75 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1100.00 ppm				
Filter Cake:	1.00 inches				

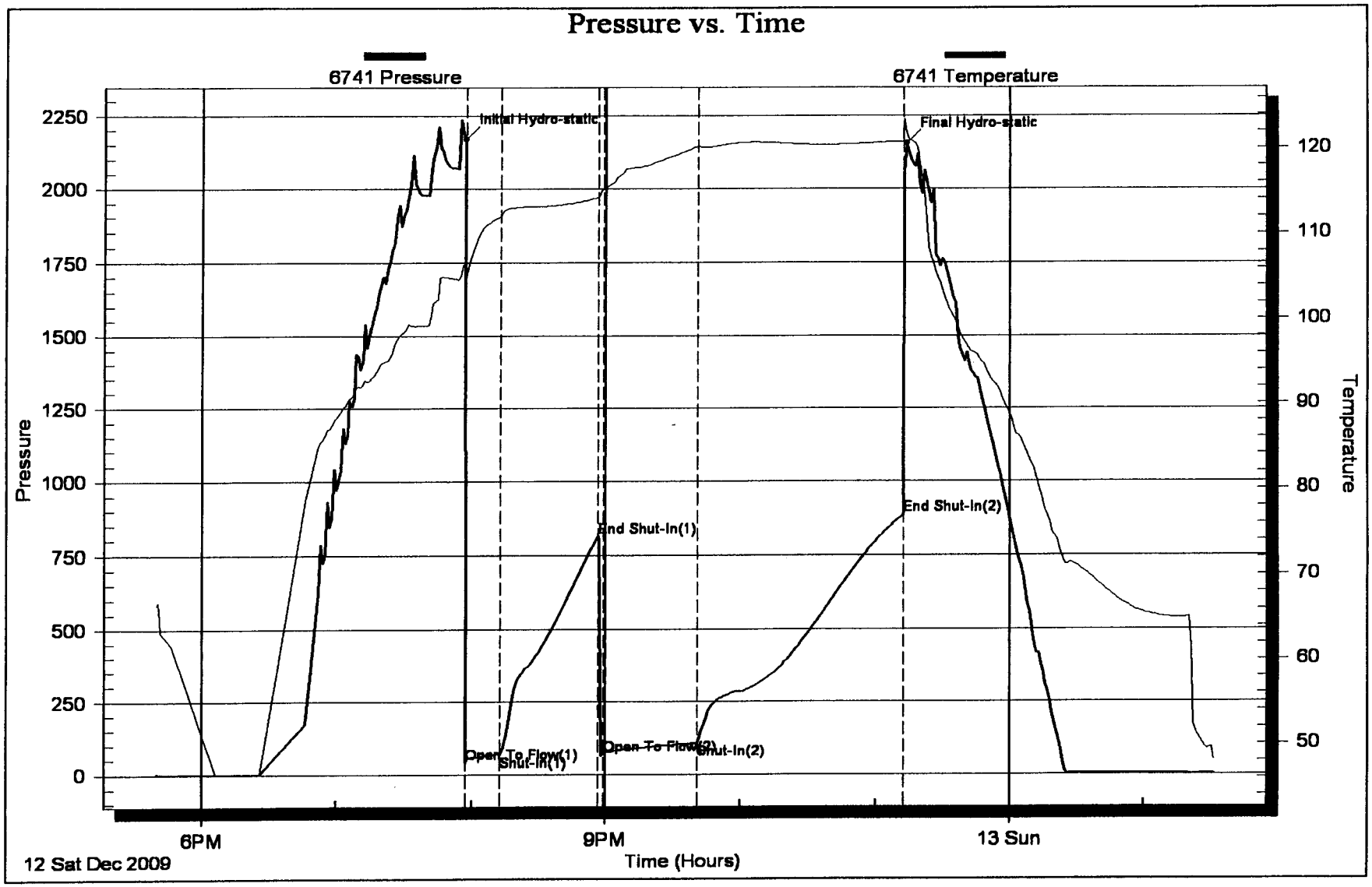
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GCMO 10% g 30%m 60%o	0.295
60.00	GCMO 10%g 20%m 70%o	0.295
120.00	GO 50%o 50%g	1.647
0.00	720 ft GIP	0.000
0.00	API= 37@70F 36	0.000

Total Length: 240.00 ft Total Volume: 2.237 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
6741 Pressure
6741 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
2250
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
6PM
9PM
13 Sun
12 Sat Dec 2009
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Keith F. Walker Oil & Gas Co., LLC**

PO Box 1725
Ardmore OK 73401

ATTN: Barry Jones

7 33S 25W Clark KS

Idun 7-#1

Start Date: 2009.12.13 @ 06:30:30
End Date: 2009.12.13 @ 16:32:45
Job Ticket #: 37572 DST #: 2

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

DRILL STEM TEST REPORT

Keith F. Walker Oil & Gas Co., LLC

PO Box 1725
Ardmore OK 73401

ATTN: Barry Jones

Idun 7-#1

7 33S 25W Clark KS

Job Ticket: 37572 **DST#: 2**

Test Start: 2009.12.13 @ 06:30:30

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:50:20
Time Test Ended: 16:32:45

Test Type: Conventional Bottom Hole
Tester: Mike Slemp
Unit No: 28

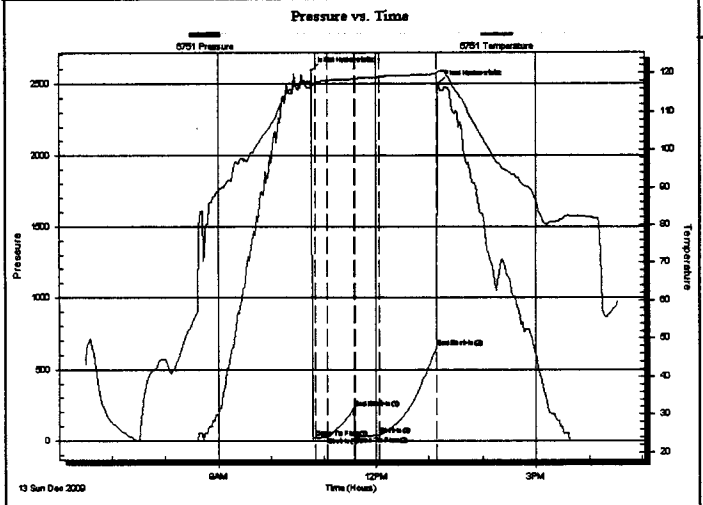
Interval: 5115.00 ft (KB) To 5145.00 ft (KB) (TVD)
Total Depth: 5145.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2169.00 ft (KB)
2157.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6751 **Inside**
Press@RunDepth: 39.87 psig @ 5117.00 ft (KB)
Start Date: 2009.12.13 End Date: 2009.12.13
Start Time: 06:30:31 End Time: 16:32:45

Capacity: 8000.00 psig
Last Calib.: 2009.12.13
Time On Btm: 2009.12.13 @ 10:47:00
Time Off Btm: 2009.12.13 @ 13:10:45

TEST COMMENT: IF- Weak building blow , 8 inches in 15 min
ISI No blow back
FF- Weak building blow , 7 inches in 30 min
FSI- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2587.14	117.79	Initial Hydro-static
4	19.89	117.19	Open To Flow (1)
19	27.85	118.15	Shut-In(1)
48	231.89	118.45	End Shut-In(1)
50	32.74	118.36	Open To Flow (2)
78	39.87	119.03	Shut-In(2)
143	652.94	119.77	End Shut-In(2)
144	2492.13	120.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100%mud	0.15

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Keith F. Walker Oil & Gas Co., LLC

PO Box 1725
Ardmore OK 73401

ATTN: Barry Jones

Idun 7-#1

7 33S 25W Clark KS

Job Ticket: 37572 **DST#: 2**

Test Start: 2009.12.13 @ 06:30:30

Tool Information

Drill Pipe:	Length:	4729.00 ft	Diameter:	3.80 inches	Volume:	66.34 bbl	Tool Weight:		2000.00 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:	384.00 ft	Diameter:	2.25 inches	Volume:	1.89 bbl	Weight to Pull Loose:		76000.00 lb
					Total Volume:	68.23 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		28.00 ft					String Weight:	Initial	70000.00 lb
Depth to Top Packer:		5115.00 ft						Final	76000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		30.00 ft							
Tool Length:		60.00 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			5086.00		
Shut In Tool	5.00			5091.00		
Sampler	3.00			5094.00		
Hydraulic tool	5.00			5099.00		
Jars	5.00			5104.00		
Safety Joint	2.00			5106.00		
Packer - Shale	5.00		Fluid	5111.00		
Packer	4.00			5115.00	30.00	Bottom Of Top Packer
Stubb	1.00			5116.00		
Perforations	1.00			5117.00		
Recorder	0.00	6751	Inside	5117.00		
Recorder	0.00	8321	Inside	5117.00		
Perforations	25.00			5142.00		
Bullnose	3.00			5145.00	30.00	Anchor Tool
Total Tool Length:	**60.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Keith F. Walker Oil & Gas Co., LLC

PO Box 1725
Ardmore OK 73401

ATTN: Barry Jones

Idun 7-#1

7 33S 25W Clark KS

Job Ticket: 37572 **DST#: 2**

Test Start: 2009.12.13 @ 06:30:30

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:	14000 ppm
Viscosity:	40.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.97 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

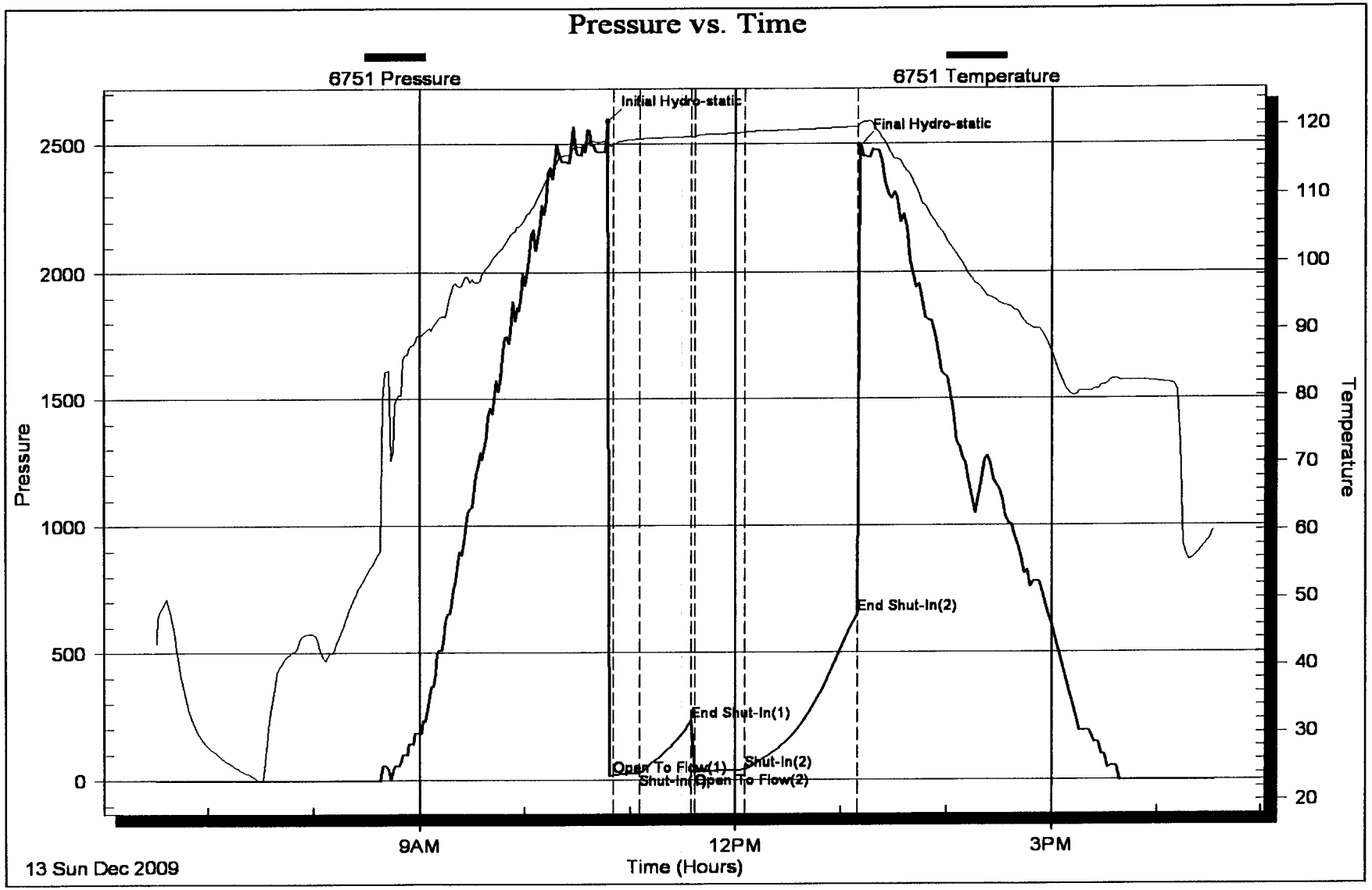
Length ft	Description	Volume bbl
30.00	100%mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .5 @ 64F = 14000 chlorides


Pressure vs. Time
6751 Pressure
6751 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(2)
End Shut-In(1)
Open To Flow(1)
Shut-In(2)
Shut-In(1)
Open To Flow(2)
Pressure
Temperature
2500
2000
1500
1000
500
0
120
110
100
90
80
70
60
50
40
30
20
9AM
12PM
3PM
13 Sun Dec 2009
Time (Hours)