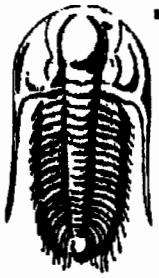
15-171-20726 28-18s-31w IND



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CONFIDENTIAL
OCT 29 2009
KCC

Prepared For: **FIML Natural Resources**

410 17th St Ste 900
Denver, CO 80202

ATTN: Jim Musgrove/ Gary Do

28-18-31 Scott Ks

Long 11A-28-1831

Start Date: 2009.08.31 @ 09:00:23
End Date: 2009.08.31 @ 16:18:32
Job Ticket #: 34812 DST #: 1

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

FIML Natural Resources
Long 11A-28-1831
28-18-31 Scott Ks
DST # 1
Lansing J
2009.08.31

DRILL STEM TEST REPORT

FIML Natural Resources

410 17th St Ste 900
Denver, CO 80202

ATTN: Jim Musgrove/ Gary DoDenver, CO 80202

Long 11A-28-1831

28-18-31 Scott Ks

Job Ticket: 34812 **DST#: 1**

Test Start: 2009.08.31 @ 09:00:23

GENERAL INFORMATION:

Formation: **Lansing J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:35:33
Time Test Ended: 16:18:32

Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35

Interval: 4201.00 ft (KB) To 4250.00 ft (KB) (TVD)
Total Depth: 4250.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

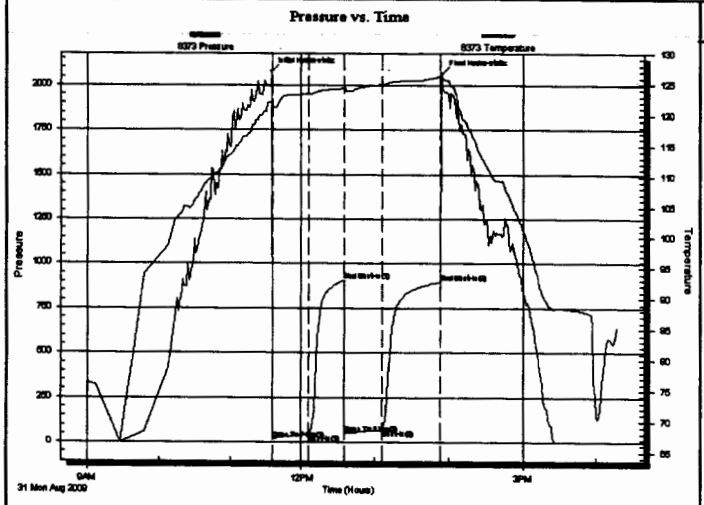
Reference Elevations: 2962.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8373 **Inside**

Press@RunDepth: 69.05 psig @ 4202.00 ft (KB)
Start Date: 2009.08.31 End Date: 2009.08.31
Start Time: 09:00:23 End Time: 16:18:32

Capacity: 7000.00 psig
Last Calib.: 2009.08.31
Time On Btm: 2009.08.31 @ 11:34:33
Time Off Btm: 2009.08.31 @ 13:54:32

TEST COMMENT: IF: 1/4 blow buillt to 3 in 30 min.
IS: No return.
FF: Surface blow built to 1 1/2 in 30 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2075.62	121.88	Initial Hydro-static
1	15.72	121.40	Open To Flow (1)
32	45.45	123.41	Shut-In(1)
61	906.33	124.33	End Shut-In(1)
61	51.18	123.97	Open To Flow (2)
92	69.05	124.96	Shut-In(2)
139	896.99	126.33	End Shut-In(2)
140	2064.26	126.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	ocm 10%o 90%m	0.30
62.00	ocm 20%o 80%m	0.30
1.00	free oil 100%o	0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources

410 17th St Ste 900
Denver, CO 80202

ATTN: Jim Musgrove/ Gary DoDenver, CO 80202

Long 11A-28-1831

28-18-31 Scott Ks

Job Ticket: 34812 **DST#: 1**

Test Start: 2009.08.31 @ 09:00:23

Tool Information

Drill Pipe:	Length:	4010.00 ft	Diameter:	3.80 inches	Volume:	56.25 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	183.00 ft	Diameter:	2.25 inches	Volume:	0.90 bbl	
					Total Volume:	57.15 bbl	

Drill Pipe Above KB:	12.00 ft
Depth to Top Packer:	4201.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	49.00 ft
Tool Length:	69.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	1500.00 lb
Weight set on Packer:	30000.00 lb
Weight to Pull Loose:	80000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	54000.00 lb
Final	54000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4182.00		
Shut In Tool	5.00			4187.00		
Hydraulic tool	5.00			4192.00		
Packer	5.00			4197.00	20.00	Bottom Of Top Packer
Packer	4.00			4201.00		
Stubb	1.00			4202.00		
Recorder	0.00	6772	Inside	4202.00		
Recorder	0.00	8373	Inside	4202.00		
Perforations	10.00			4212.00		
Change Over Sub	1.00			4213.00		
Drill Pipe	31.00			4244.00		
Change Over Sub	1.00			4245.00		
Bullnose	5.00			4250.00	49.00	Bottom Packers & Anchor
Total Tool Length:	**69.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

410 17th St Ste 900
Denver, CO 80202

ATTN: Jim Musgrove/ Gary DoDenver, CO 80202

Long 11A-28-1831

28-18-31 Scott Ks

Job Ticket: 34812 **DST#: 1**

Test Start: 2009.08.31 @ 09:00:23

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.96 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

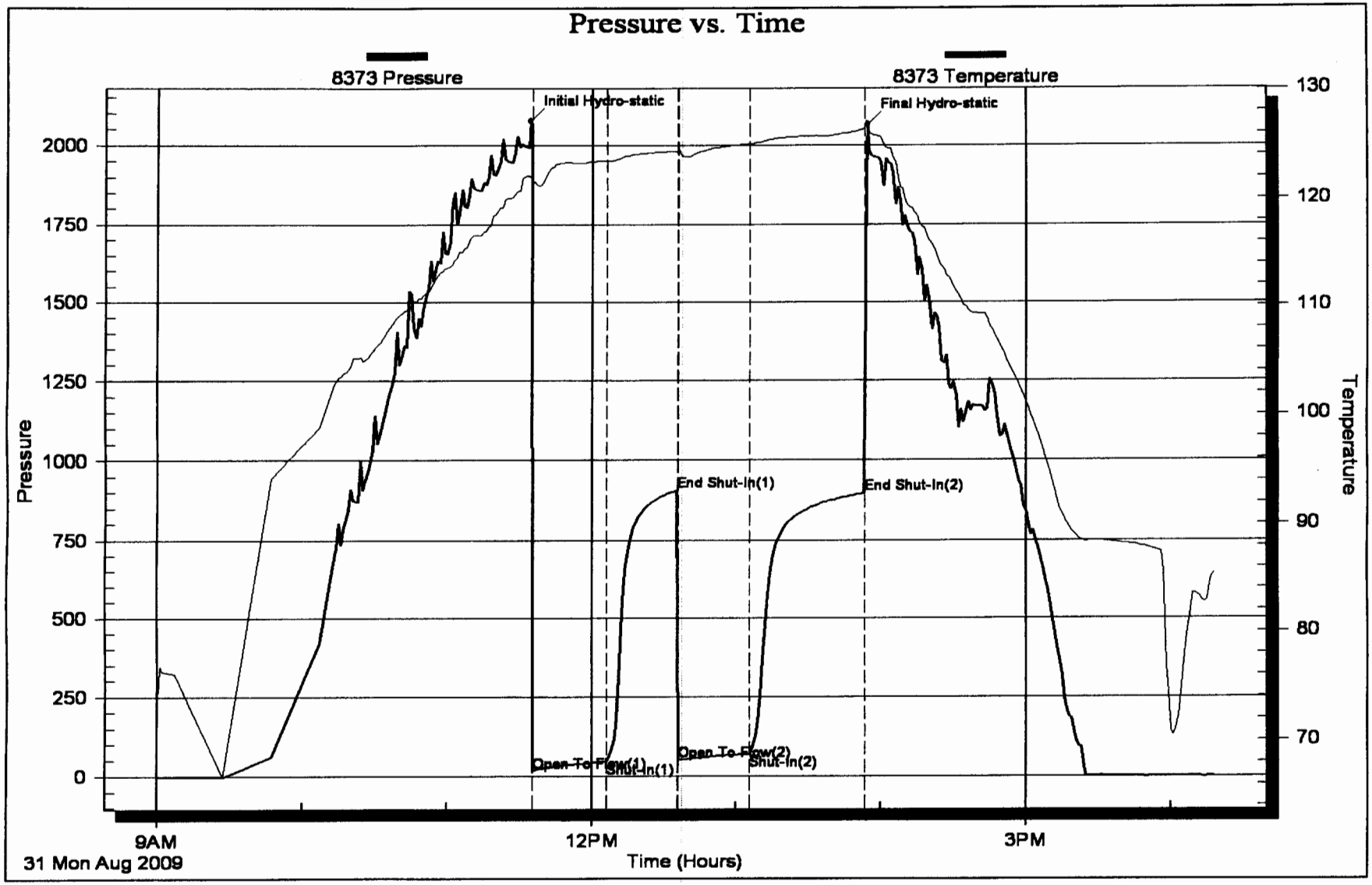
Length ft	Description	Volume bbl
62.00	ocm 10%o 90%m	0.305
62.00	ocm 20%o 80%m	0.305
1.00	free oil 100%o	0.005

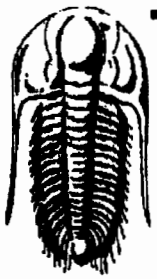
Total Length: 125.00 ft Total Volume: 0.615 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8373 Pressure
8373 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
1750
1500
1250
1000
750
500
250
0
130
120
110
100
90
80
70
9AM
31 Mon Aug 2009
12PM
3PM
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CONFIDENTIAL
OCT 29 2009
KCC

Prepared For: **FIML Natural Resources**

410 17th St Ste 900
Denver, CO 80202

ATTN: Jim Musgrove/ Gary Do

28-18-31 Scott Ks

Long 11A-28-1831

Start Date: 2009.09.01 @ 04:10:25
End Date: 2009.09.01 @ 10:54:34
Job Ticket #: 34813 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

FIML Natural Resources

410 17th St Ste 900
Denver, CO 80202

ATTN: Jim Musgrove/ Gary DoDenver, CO 80202

Long 11A-28-1831

28-18-31 Scott Ks

Job Ticket: 34813 **DST#: 2**

Test Start: 2009.09.01 @ 04:10:25

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:24:20
Time Test Ended: 10:54:34

Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35

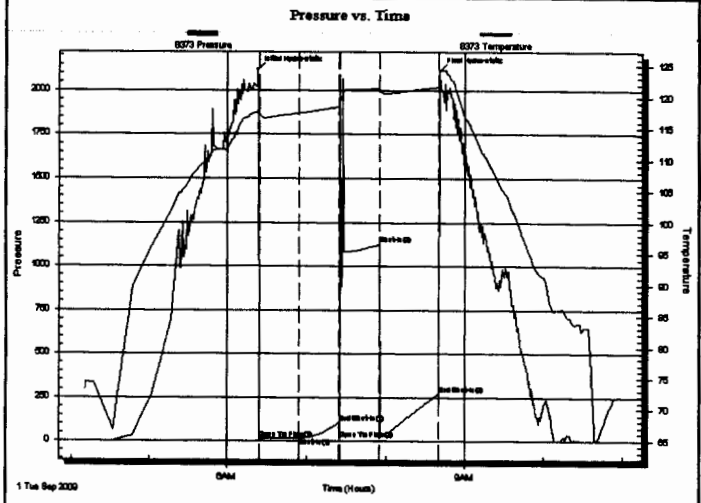
Interval: 4286.00 ft (KB) To 4370.00 ft (KB) (TVD)
Total Depth: 4370.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2962.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8373 **Inside**
Press@RunDepth: 1125.19 psig @ 4287.00 ft (KB)
Start Date: 2009.09.01 End Date: 2009.09.01
Start Time: 04:10:25 End Time: 10:54:34

Capacity: 7000.00 psig
Last Calib.: 2009.09.01
Time On Btm: 2009.09.01 @ 06:23:20
Time Off Btm: 2009.09.01 @ 08:40:49

TEST COMMENT: IF: 1/4 blow built to 1/2 died in 12 min.
IS: No return.
FF: No blow. Flushed tool no blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2115.81	117.73	Initial Hydro-static
1	13.61	117.28	Open To Flow (1)
31	16.52	117.39	Shut-In(1)
61	107.52	118.42	End Shut-In(1)
62	62.12	118.42	Open To Flow (2)
92	1125.19	121.32	Shut-In(2)
137	270.52	121.61	End Shut-In(2)
138	2110.84	123.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources

410 17th St Ste 900
Denver, CO 80202

ATTN: Jim Musgrove/ Gary DoDenver, CO 80202

Long 11A-28-1831

28-18-31 Scott Ks

Job Ticket: 34813 **DST#: 2**

Test Start: 2009.09.01 @ 04:10:25

Tool Information

Drill Pipe:	Length:	4101.00 ft	Diameter:	3.80 inches	Volume:	57.53 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:		30000.00 lb
Drill Collar:	Length:	183.00 ft	Diameter:	2.25 inches	Volume:	0.90 bbl	Weight to Pull Loose:		70000.00 lb
					Total Volume:	58.43 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		18.00 ft					String Weight:	Initial	55000.00 lb
Depth to Top Packer:		4286.00 ft						Final	55000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		84.00 ft							
Tool Length:		104.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4267.00		
Shut In Tool	5.00			4272.00		
Hydraulic tool	5.00			4277.00		
Packer	5.00			4282.00	20.00	Bottom Of Top Packer
Packer	4.00			4286.00		
Stubb	1.00			4287.00		
Recorder	0.00	6772	Inside	4287.00		
Recorder	0.00	8373	Inside	4287.00		
Perforations	13.00			4300.00		
Change Over Sub	1.00			4301.00		
Drill Pipe	63.00			4364.00		
Change Over Sub	1.00			4365.00		
Bullnose	5.00			4370.00	84.00	Bottom Packers & Anchor
Total Tool Length:	**104.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

410 17th St Ste 900
Denver, CO 80202

ATTN: Jim Musgrove/ Gary DoDenver, CO 80202

Long 11A-28-1831

28-18-31 Scott Ks

Job Ticket: 34813 **DST#: 2**

Test Start: 2009.09.01 @ 04:10:25

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	59.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.18 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	2.00 inches				

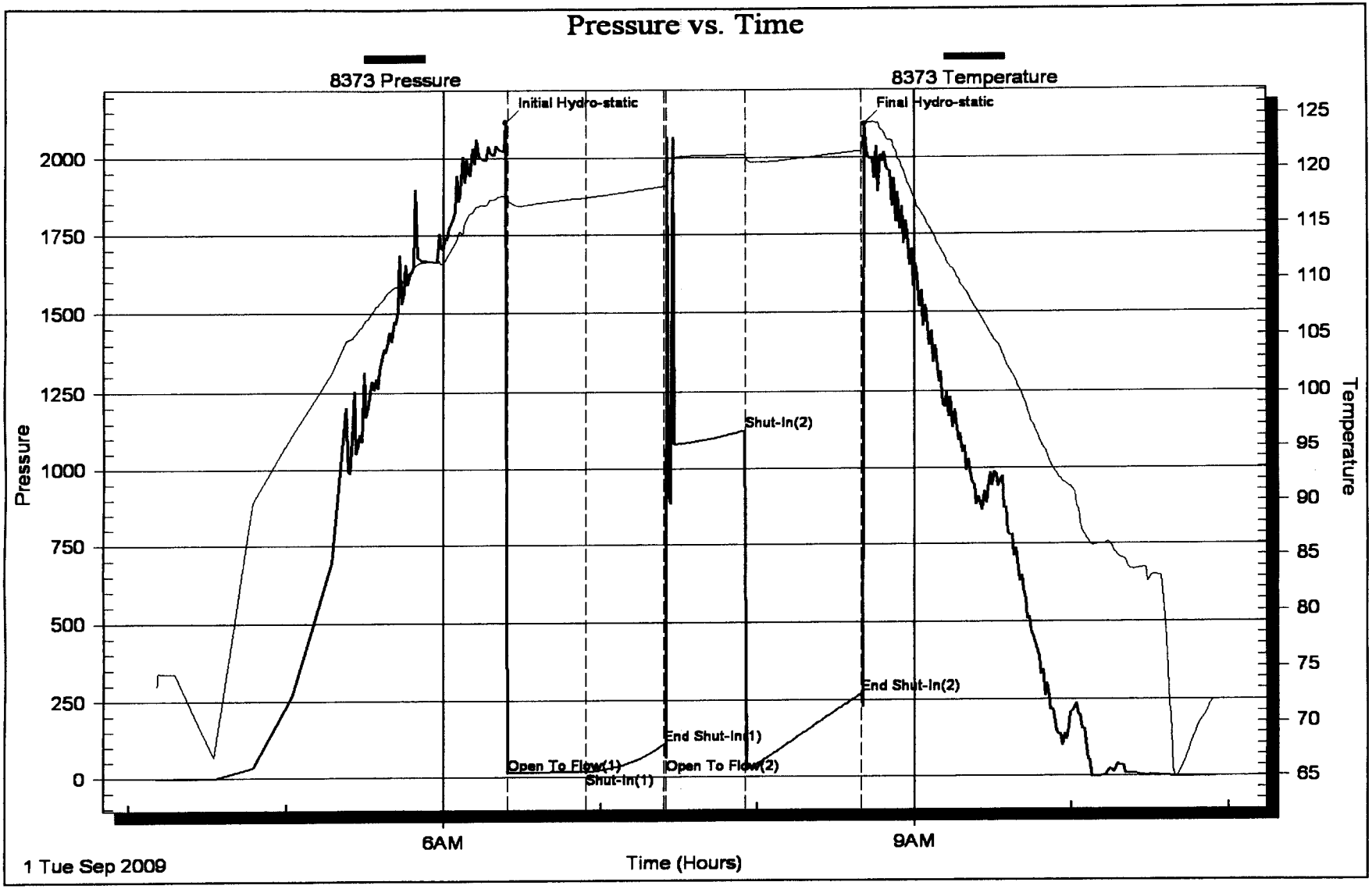
Recovery Information

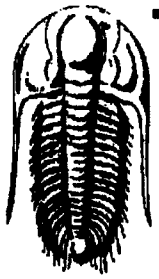
Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

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
8373 Pressure
8373 Temperature
Initial Hydro-static
Final Hydro-static
Shut-In(2)
End Shut-In(2)
End Shut-In(1)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
125
120
115
110
105
100
95
90
85
80
75
70
65
6AM
9AM
Time (Hours)
1 Tue Sep 2009



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th St Ste 900
Denver, CO 80202

KCC
OCT 29 2009
CONFIDENTIAL

ATTN: Jim Musgrove/ Gary Do

28-18-31 Scott Ks

Long 11A-28-1831

Start Date: 2009.09.02 @ 04:57:12
End Date: 2009.09.02 @ 13:14:21
Job Ticket #: 34814 DST #: 3

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

DRILL STEM TEST REPORT

FIML Natural Resources

410 17th St Ste 900
Denver, CO 80202

ATTN: Jim Musgrove/ Gary DoDenver, CO 80202

Long 11A-28-1831

28-18-31 Scott Ks

Job Ticket: 34814 **DST#: 3**

Test Start: 2009.09.02 @ 04:57:12

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:57:52
Time Test Ended: 13:14:21

Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35

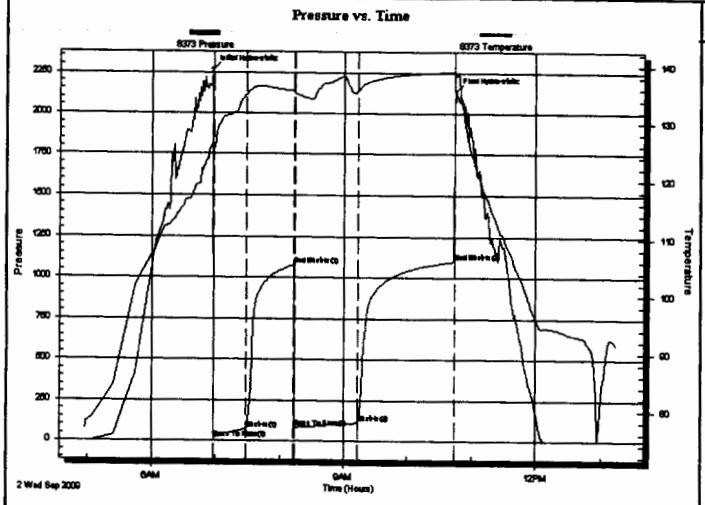
Interval: 4576.00 ft (KB) To 4594.00 ft (KB) (TVD)
Total Depth: 4594.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2962.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8373 **Inside**
Press@RunDepth: 110.81 psig @ 4577.00 ft (KB)
Start Date: 2009.09.02 End Date: 2009.09.02
Start Time: 04:57:12 End Time: 13:14:21

Capacity: 7000.00 psig
Last Calib.: 2009.09.02
Time On Btm: 2009.09.02 @ 06:57:07
Time Off Btm: 2009.09.02 @ 10:45:21

TEST COMMENT: IF: 1/4 blow built to 9 in 30 min.
IS: Surface blow built to 1 in 45 min.
FF: 1/4 blow BOB in 30 min.
FS: Surface blow died in 20 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2265.68	126.59	Initial Hydro-static
1	15.24	125.45	Open To Flow (1)
32	72.45	134.99	Shut-In(1)
76	1077.53	135.64	End Shut-In(1)
77	83.14	135.20	Open To Flow (2)
136	110.81	135.55	Shut-In(2)
227	1098.51	138.96	End Shut-In(2)
229	2134.16	138.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
122.00	gocm 10%g 10%o 80%m	0.60
61.00	mcgo 45%g 50%o 5%m	0.30
93.00	go 10%g 90%o	1.30
0.00	403 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources

410 17th St Ste 900
Denver, CO 80202

ATTN: Jim Musgrove/ Gary DoDenver, CO 80202

Long 11A-28-1831

28-18-31 Scott Ks

Job Ticket: 34814 **DST#: 3**

Test Start: 2009.09.02 @ 04:57:12

Tool Information

Drill Pipe:	Length:	4383.00 ft	Diameter:	3.80 inches	Volume:	61.48 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:		30000.00 lb
Drill Collar:	Length:	183.00 ft	Diameter:	2.25 inches	Volume:	0.90 bbl	Weight to Pull Loose:		70000.00 lb
					Total Volume:	62.38 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		10.00 ft					String Weight:	Initial	55000.00 lb
Depth to Top Packer:		4576.00 ft						Final	57000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		18.00 ft							
Tool Length:		38.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4557.00		
Shut In Tool	5.00			4562.00		
Hydraulic tool	5.00			4567.00		
Packer	5.00			4572.00	20.00	Bottom Of Top Packer
Packer	4.00			4576.00		
Stubb	1.00			4577.00		
Recorder	0.00	6772	Inside	4577.00		
Recorder	0.00	8373	Inside	4577.00		
Perforations	12.00			4589.00		
Bullnose	5.00			4594.00	18.00	Bottom Packers & Anchor
Total Tool Length:	**38.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

410 17th St Ste 900
Denver, CO 80202

ATTN: Jim Musgrove/ Gary DoDenver, CO 80202

Long 11A-28-1831

28-18-31 Scott Ks

Job Ticket: 34814 **DST#: 3**

Test Start: 2009.09.02 @ 04:57:12

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	28 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.79 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

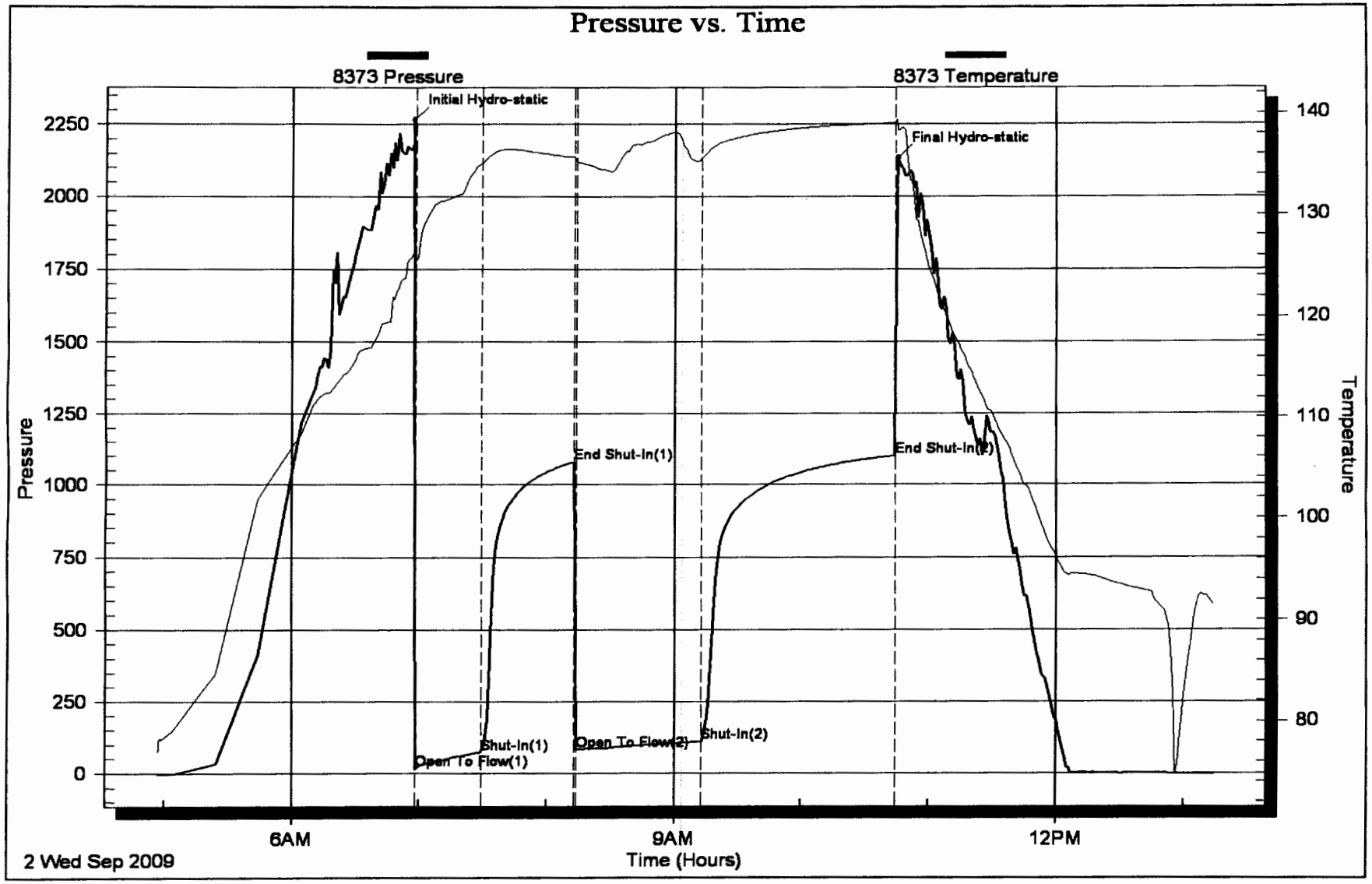
Length ft	Description	Volume bbl
122.00	gocm 10%g 10%o 80%m	0.600
61.00	mcgo 45%g 50%o 5%m	0.300
93.00	go 10%g 90%o	1.305
0.00	403 GIP	0.000

Total Length: 276.00 ft Total Volume: 2.205 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 31@90=28


Pressure vs. Time
8373 Pressure
8373 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
Temperature
2250
2000
1750
1500
1250
1000
750
500
250
0
140
130
120
110
100
90
80
6AM
9AM
12PM
2 Wed Sep 2009
Time (Hours)