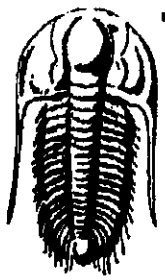
KCC
NOV 0 1 2010
CONFIDENTIAL



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

16-19-31w Scott KS

Dearden #2B-16-1931

Start Date: 2010.07.11 @ 21:20:05
End Date: 2010.07.12 @ 04:45:14
Job Ticket #: 39188 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION
NOV 0 3 2010
CONSERVATION DIVISION
WICHITA, KS

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

DRILL STEM TEST REPORT

FML Natural Resources

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39188 **DST#: 1**

Test Start: 2010.07.11 @ 21:20:05

GENERAL INFORMATION:

Formation: **Lans I**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:19:45
Time Test Ended: 04:45:14

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

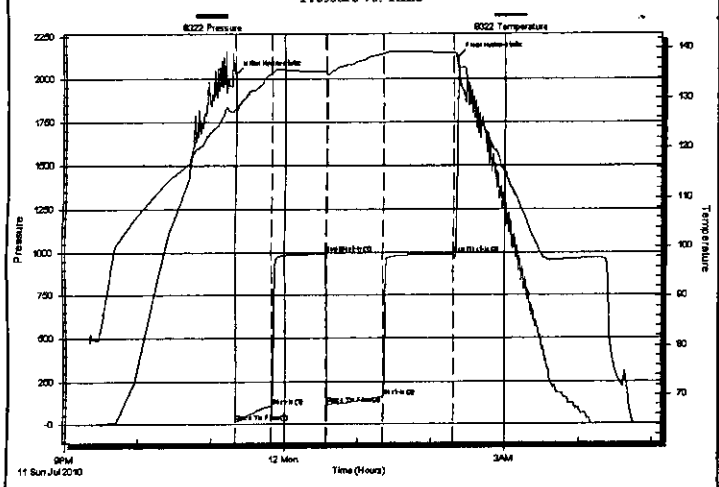
Interval: 4182.00 ft (KB) To 4210.00 ft (KB) (TVD)
Total Depth: 4210.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2972.00 ft (KB)
2960.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8322 **Inside**
Press@RunDepth: 159.28 psig @ 4183.00 ft (KB)
Start Date: 2010.07.11 End Date: 2010.07.12
Start Time: 21:20:05 End Time: 04:45:14

Capacity: 8000.00 psig
Last Calib.: 2010.07.12
Time On Btm: 2010.07.11 @ 23:19:30
Time Off Btm: 2010.07.12 @ 02:21:59

TEST COMMENT: IF: BOB in 29 mins.
IS: Built to 3/4 inches died in 23 mins.
FF: BOB in 28 mins.
FS: Built to 5 1/2 inches died in 47 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2030.90	127.83	Initial Hydro-static
1	14.16	127.34	Open To Flow (1)
30	101.84	134.88	Shut-In(1)
75	991.44	135.45	End Shut-In(1)
76	115.08	135.06	Open To Flow (2)
121	159.28	138.87	Shut-In(2)
179	990.01	139.03	End Shut-In(2)
183	2130.76	136.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
155.00	OG&WCM 20%g 10%o 15%w 55%m	0.76
155.00	HO&GCM 30%g 25%o 45%m	1.39
80.00	SMCO&G 20%g 70%o 10%m	1.12
0.00	GIP = 480 FT	0.00
0.00	API = 35@80F = 33 corrected	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

FIML Natural Resources

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39188 **DST#: 1**

Test Start: 2010.07.11 @ 21:20:05

Tool Information

Drill Pipe:	Length:	3929.00 ft	Diameter:	3.80 inches	Volume:	55.11 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:	241.00 ft	Diameter:	2.25 inches	Volume:	1.19 bbl	Weight to Pull Loose:		85000.00 lb
					Total Volume:	56.30 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		8.00 ft					String Weight:	Initial	64000.00 lb
Depth to Top Packer:		4182.00 ft						Final	65000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		28.00 ft							
Tool Length:		48.00 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			4163.00		
Shut In Tool	5.00			4168.00		
Hydraulic tool	5.00			4173.00		
Packer	5.00			4178.00	20.00	Bottom Of Top Packer
Packer	4.00			4182.00		
Stubb	1.00			4183.00		
Recorder	0.00	8322	Inside	4183.00		
Recorder	0.00	8166	Inside	4183.00		
Perforations	24.00			4207.00		
Bullnose	3.00			4210.00	28.00	Bottom Packers & Anchor
Total Tool Length:	**48.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39188 **DST#: 1**

Test Start: 2010.07.11 @ 21:20:05

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	33 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.36 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

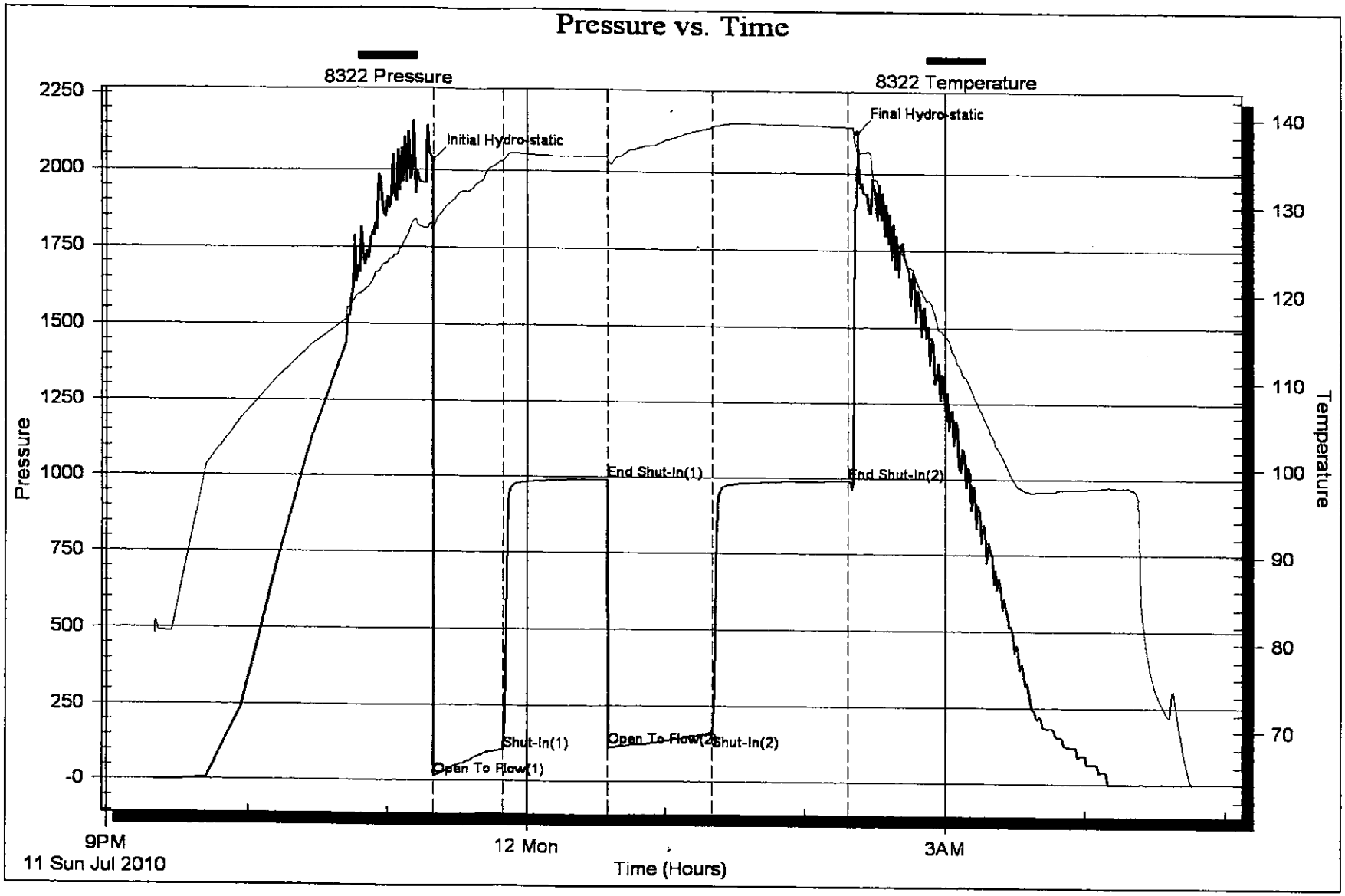
Length ft	Description	Volume bbl
155.00	OG&WCM 20%g 10%o 15%w 55%m	0.762
155.00	HO&GCM 30%g 25%o 45%m	1.391
80.00	SMCO&G 20%g 70%o 10%m	1.122
0.00	GIP = 480 FT	0.000
0.00	API = 35@80F = 33 corrected	0.000
0.00	RW = N/A	0.000

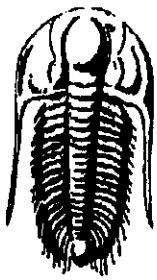
Total Length: 390.00 ft Total Volume: 3.275 bbl

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)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2250
2000
1750
1500
1250
1000
750
500
250
-0
140
130
120
110
100
90
80
70
9PM
11 Sun Jul 2010
12 Mon
3AM
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

16-19-31w Scott KS

Dearden #2B-16-1931

Start Date: 2010.07.12 @ 12:07:05
End Date: 2010.07.12 @ 20:00:44
Job Ticket #: 39189 DST #: 2

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: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39189 **DST#: 2**

Test Start: 2010.07.12 @ 12:07:05

GENERAL INFORMATION:

Formation: **Lans. J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:51:15
Time Test Ended: 20:00:44

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

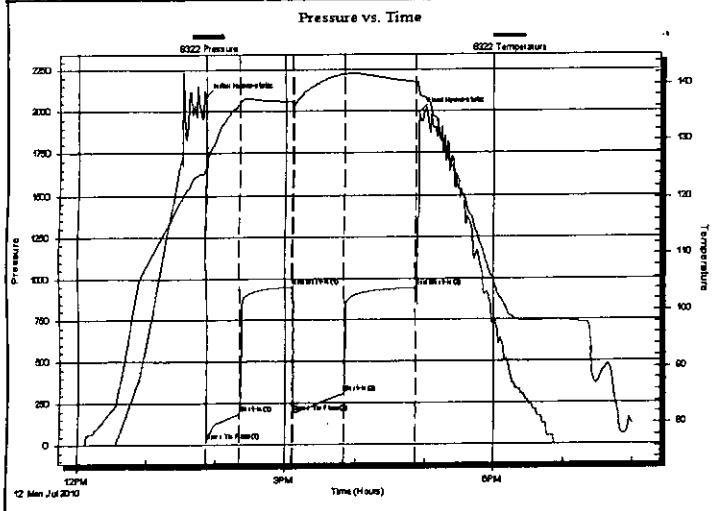
Interval: 4210.00 ft (KB) To 4259.00 ft (KB) (TVD)
Total Depth: 4259.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2972.00 ft (KB)
2960.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8322 **Inside**
Press@RunDepth: 309.21 psig @ 4211.00 ft (KB)
Start Date: 2010.07.12 End Date: 2010.07.12
Start Time: 12:07:05 End Time: 20:00:44

Capacity: 8000.00 psig
Last Calib.: 2010.07.12
Time On Btm: 2010.07.12 @ 13:51:00
Time Off Btm: 2010.07.12 @ 16:55:15

TEST COMMENT: IF: BOB in 11 mins.
IS: Built to 1 inch died in 27 mins.
FF: BOB in 13 mins.
FS: Built to 2 1/4 inchesw died in 35 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2088.84	125.10	Initial Hydro-static
1	24.13	124.62	Open To Flow (1)
30	185.18	136.75	Shut-In(1)
75	949.70	136.90	End Shut-In(1)
76	190.54	136.67	Open To Flow (2)
120	309.21	141.74	Shut-In(2)
182	943.91	140.33	End Shut-In(2)
185	1994.80	138.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	O&MCW 10%o 70%w 20%m	0.91
124.00	GO&WCM 15%g 15%o 30%w 40%m	1.24
186.00	GW&MCO 20%g 65%o 10%w 5%m	2.61
229.00	CGO 70%g 30%o	3.21
0.00	GIP = 635 ft	0.00
0.00	API = 32@85F = 29.5 corrected	0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

FML Natural Resources

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39189 **DST#: 2**

Test Start: 2010.07.12 @ 12:07:05

Tool Information

Drill Pipe:	Length:	3959.00 ft	Diameter:	3.80 inches	Volume:	55.53 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:		25000.00 lb
Drill Collar:	Length:	241.00 ft	Diameter:	2.25 inches	Volume:	1.19 bbl	Weight to Pull Loose:		80000.00 lb
					Total Volume:	56.72 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		10.00 ft					String Weight:	Initial	65000.00 lb
Depth to Top Packer:		4210.00 ft						Final	69000.00 lb
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 Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4191.00		
Shut In Tool	5.00			4196.00		
Hydraulic tool	5.00			4201.00		
Packer	5.00			4206.00	20.00	Bottom Of Top Packer
Packer	4.00			4210.00		
Stubb	1.00			4211.00		
Recorder	0.00	8322	Inside	4211.00		
Recorder	0.00	8166	Inside	4211.00		
Perforations	12.00			4223.00		
Change Over Sub	1.00			4224.00		
Drill Pipe	31.00			4255.00		
Change Over Sub	1.00			4256.00		
Bullnose	3.00			4259.00	49.00	Bottom Packers & Anchor
Total Tool Length:	**69.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39189 **DST#: 2**

Test Start: 2010.07.12 @ 12:07:05

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	29.5 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	37000 ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.97 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1700.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

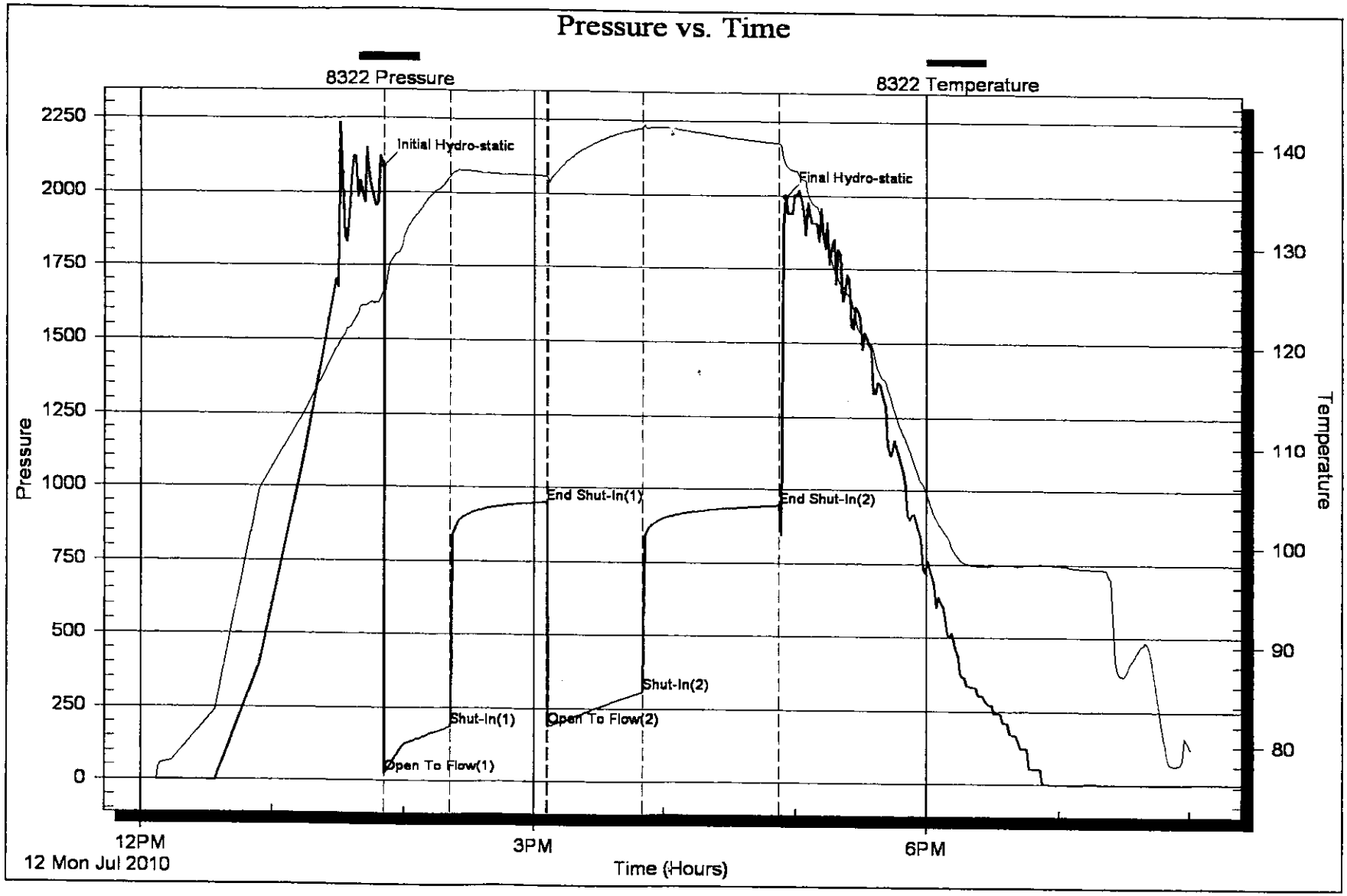
Length ft	Description	Volume bbl
186.00	O&MCW 10%o 70%w 20%m	0.915
124.00	GO&WCM 15%g 15%o 30%w 40%m	1.238
186.00	GW&MCO 20%g 65%o 10%w 5%m	2.609
229.00	CGO 70%g 30%o	3.212
0.00	GIP = 635 ft	0.000
0.00	API = 32@85F = 29.5 corrected	0.000
0.00	RW = .163@85f = 37000 ppm	0.000

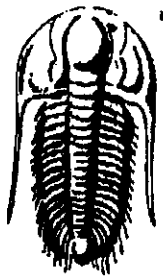
Total Length: 725.00 ft Total Volume: 7.974 bbl

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)
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
12PM
12 Mon Jul 2010
3PM
6PM
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

16-19-31w Scott KS

Dearden #2B-16-1931

Start Date: 2010.07.13 @ 05:46:05
End Date: 2010.07.13 @ 12:19:29
Job Ticket #: 39190 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: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39190 **DST#: 3**

Test Start: 2010.07.13 @ 05:46:05

GENERAL INFORMATION:

Formation: **Lans K & L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:28:30
Time Test Ended: 12:19:29

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

Interval: 4269.00 ft (KB) To 4322.00 ft (KB) (TVD)
Total Depth: 4322.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

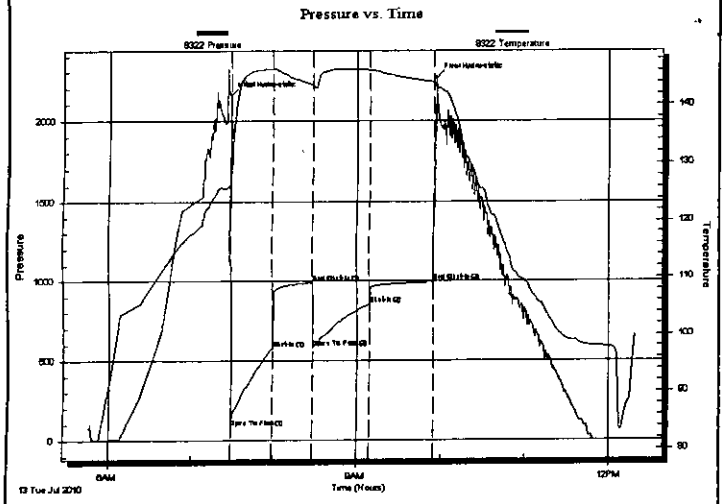
Reference Elevations: 2972.00 ft (KB)
2960.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8322 **Inside**

Press@RunDepth: 852.84 psig @ 4270.00 ft (KB)
Start Date: 2010.07.13 End Date: 2010.07.13
Start Time: 05:46:05 End Time: 12:19:29

Capacity: 8000.00 psig
Last Calib.: 2010.07.13
Time On Btm: 2010.07.13 @ 07:28:15
Time Off Btm: 2010.07.13 @ 09:56:30

TEST COMMENT: IF: BOB in 2 1/2 mins.
IS: No return.
FF: BOB in 3 1/2 mins.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2159.33	126.09	Initial Hydro-static
1	78.01	125.23	Open To Flow (1)
31	574.63	146.08	Shut-In(1)
60	986.34	143.53	End Shut-In(1)
61	579.95	143.42	Open To Flow (2)
101	852.84	146.01	Shut-In(2)
147	992.89	143.98	End Shut-In(2)
149	2268.44	143.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	M 100%m	0.15
1534.00	SMCW 95%w 5%m	19.60
186.00	HMCW 70%w 30%m	2.61
0.00	GIP = 0	0.00
0.00	RW = .125 @95F = 44000 ppm	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: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39190 **DST#: 3**

Test Start: 2010.07.13 @ 05:46:05

Tool Information

Drill Pipe:	Length:	4016.00 ft	Diameter:	3.80 inches	Volume:	56.33 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:	241.00 ft	Diameter:	2.25 inches	Volume:	1.19 bbl	Weight to Pull Loose:		80000.00 lb
					Total Volume:	57.52 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		8.00 ft					String Weight:	Initial	65000.00 lb
Depth to Top Packer:		4269.00 ft						Final	75000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		53.00 ft							
Tool Length:		73.00 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			4250.00		
Shut In Tool	5.00			4255.00		
Hydraulic tool	5.00			4260.00		
Packer	5.00			4265.00	20.00	Bottom Of Top Packer
Packer	4.00			4269.00		
Stubb	1.00			4270.00		
Recorder	0.00	8322	Inside	4270.00		
Recorder	0.00	8166	Inside	4270.00		
Perforations	16.00			4286.00		
Change Over Sub	1.00			4287.00		
Drill Pipe	31.00			4318.00		
Change Over Sub	1.00			4319.00		
Bullnose	3.00			4322.00	53.00	Bottom Packers & Anchor
Total Tool Length:	**73.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

FML Natural Resources

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39190 **DST#: 3**

Test Start: 2010.07.13 @ 05:46:05

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:	44000 ppm
Viscosity:	65.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.98 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1700.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

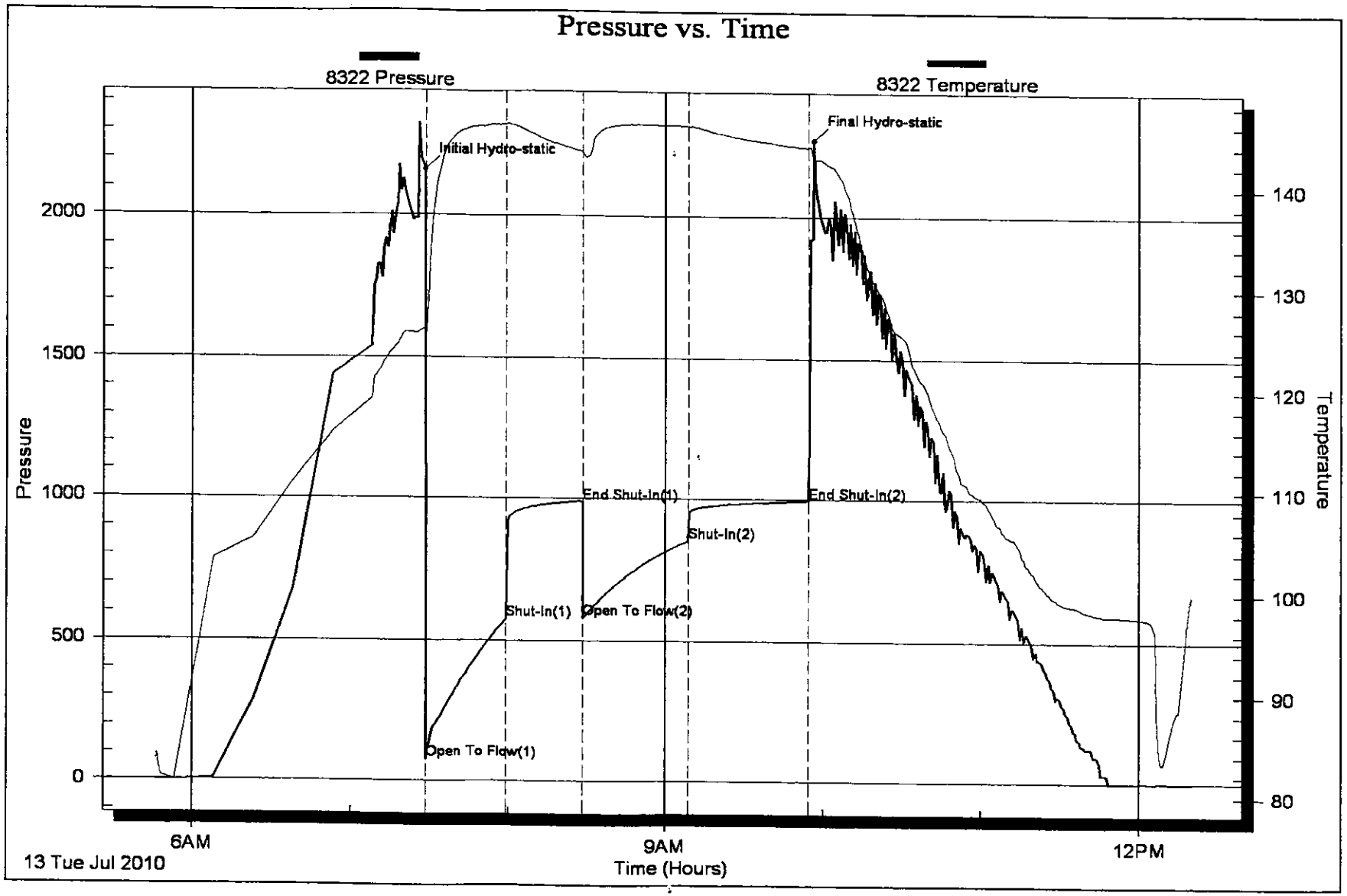
Length ft	Description	Volume bbl
30.00	M 100%m	0.148
1534.00	SMCW 95%w 5%m	19.596
186.00	HMCW 70%w 30%m	2.609
0.00	GIP = 0	0.000
0.00	RW = .125 @95F = 44000 ppm	0.000

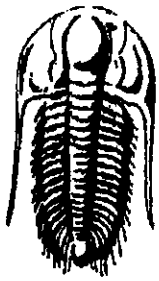
Total Length: 1750.00 ft Total Volume: 22.353 bbl

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)
Shut-In(1)
Open To Flow(2)
Open To Flow(1)
Pressure
Temperature
2000
1500
1000
500
0
140
130
120
110
100
90
80
6AM
9AM
12PM
13 Tue Jul 2010
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

16-19-31w Scott KS

Dearden #2B-16-1931

Start Date: 2010.07.13 @ 21:42:05
End Date: 2010.07.14 @ 03:52:44
Job Ticket #: 39191 DST #: 4

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: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39191 **DST#: 4**

Test Start: 2010.07.13 @ 21:42:05

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:42:15
Time Test Ended: 03:52:44

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

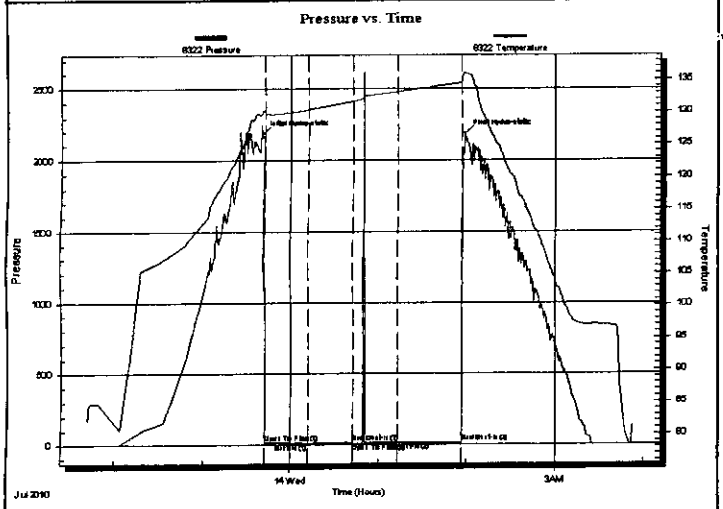
Interval: 4351.00 ft (KB) To 4370.00 ft (KB) (TVD)
Total Depth: 4370.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2972.00 ft (KB)
2960.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8322 **Inside**
Press@RunDepth: 13.65 psig @ 4352.00 ft (KB)
Start Date: 2010.07.13 End Date: 2010.07.14
Start Time: 21:42:05 End Time: 03:52:44

Capacity: 8000.00 psig
Last Calib.: 2010.07.14
Time On Btm: 2010.07.13 @ 23:40:30
Time Off Btm: 2010.07.14 @ 01:59:00

TEST COMMENT: IF: Weak surface blow died in 16 mins.
IS: No return.
FF: No blow, flushed tool, no blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.40	129.98	Initial Hydro-static
2	12.92	129.74	Open To Flow (1)
32	11.92	130.36	Shut-In(1)
62	14.42	131.64	End Shut-In(1)
62	11.06	131.66	Open To Flow (2)
93	13.65	133.11	Shut-In(2)
137	14.88	134.51	End Shut-In(2)
139	2186.07	136.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	M 100%m	0.00
0.00	GIP = 0	0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

FML Natural Resources

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39191 **DST#: 4**

Test Start: 2010.07.13 @ 21:42:05

Tool Information

Drill Pipe:	Length:	4115.00 ft	Diameter:	3.80 inches	Volume:	57.72 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:	241.00 ft	Diameter:	2.25 inches	Volume:	1.19 bbl	Weight to Pull Loose:	70000.00 lb
					Total Volume:	58.91 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		25.00 ft					String Weight: Initial	64000.00 lb
Depth to Top Packer:		4351.00 ft					Final	64000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		19.00 ft						
Tool Length:		39.00 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			4332.00		
Shut In Tool	5.00			4337.00		
Hydraulic tool	5.00			4342.00		
Packer	5.00			4347.00	20.00	Bottom Of Top Packer
Packer	4.00			4351.00		
Stubb	1.00			4352.00		
Recorder	0.00	8322	Inside	4352.00		
Recorder	0.00	8166	Inside	4352.00		
Perforations	15.00			4367.00		
Bullnose	3.00			4370.00	19.00	Bottom Packers & Anchor
Total Tool Length:	**39.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

FML Natural Resources

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39191 **DST#: 4**

Test Start: 2010.07.13 @ 21:42:05

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:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.77 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

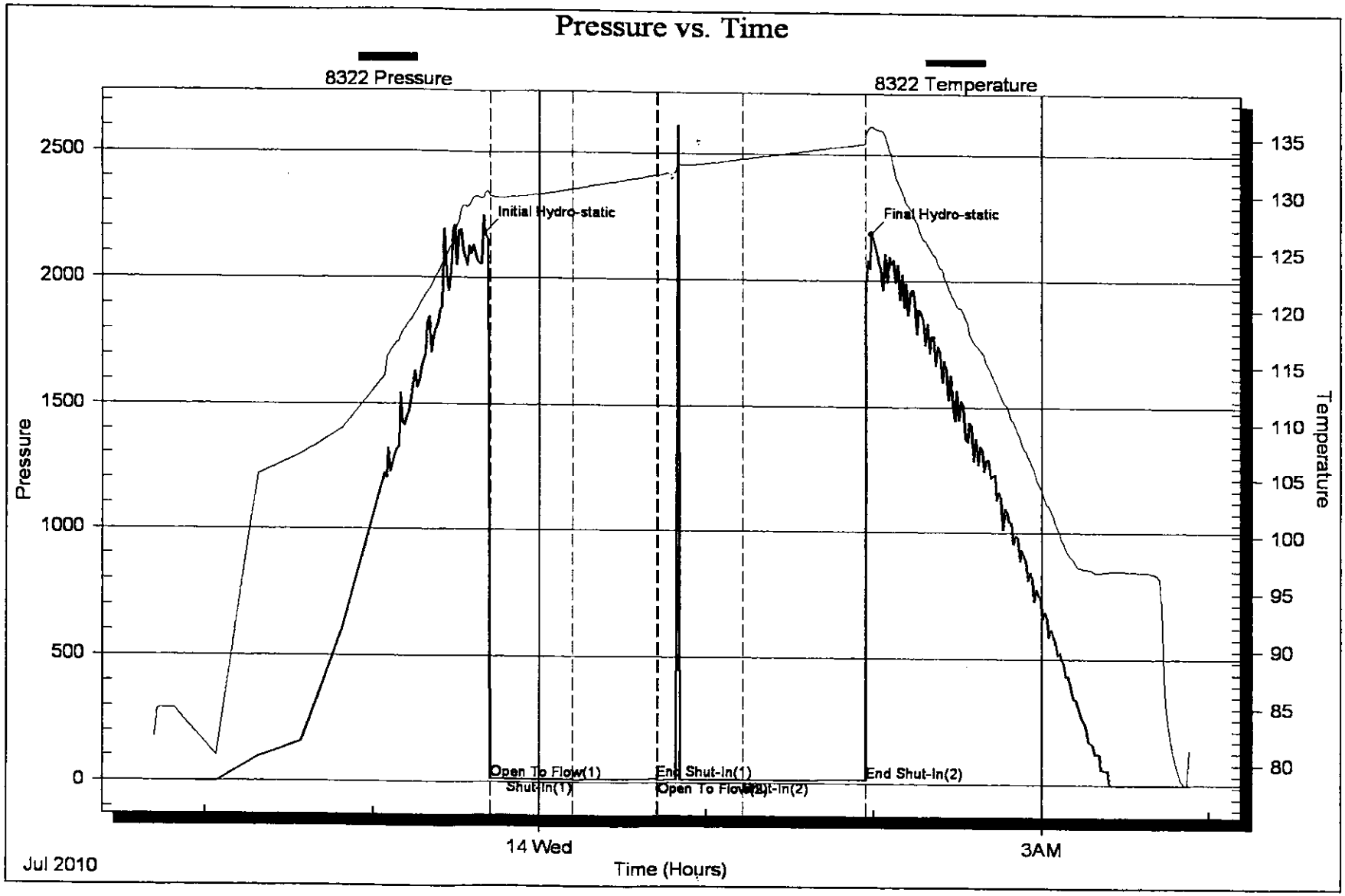
Length ft	Description	Volume bbl
1.00	M 100%m	0.005
0.00	GIP = 0	0.000

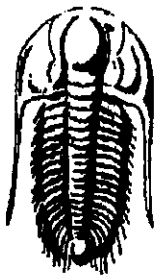
Total Length: 1.00 ft Total Volume: 0.005 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8322 Pressure
8322 Temperature
Initial Hydro-static
Final Hydro-static
Open To Flow(1)
Shut-In(1)
End Shut-In(1)
Open To Flow(2)
Shut-In(2)
End Shut-In(2)
Pressure
Temperature
Time (Hours)
14 Wed
3AM
Jul 2010
2500
2000
1500
1000
500
0
135
130
125
120
115
110
105
100
95
90
85
80



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

16-19-31w Scott KS

Dearden #2B-16-1931

Start Date: 2010.07.15 @ 03:53:00
End Date: 2010.07.15 @ 12:02:30
Job Ticket #: 39192 DST #: 5

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: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39192 **DST#: 5**

Test Start: 2010.07.15 @ 03:53:00

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:43:00
Time Test Ended: 12:02:30

Test Type: Conventional Straddle
Tester: Brandon Domsch
Unit No: 48

Interval: 4575.00 ft (KB) To 4603.00 ft (KB) (TVD)
Total Depth: 4620.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

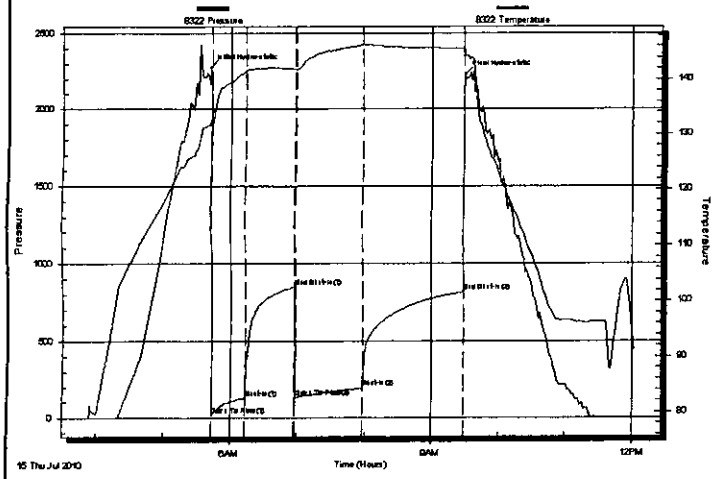
Reference Elevations: 2972.00 ft (KB)
2960.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8322 **Inside**

Press@RunDepth: 195.90 psig @ 4576.00 ft (KB)
Start Date: 2010.07.15 End Date: 2010.07.15
Start Time: 03:53:05 End Time: 12:02:29

Capacity: 8000.00 psig
Last Calib.: 2010.07.15
Time On Btm: 2010.07.15 @ 05:41:15
Time Off Btm: 2010.07.15 @ 09:30:15

TEST COMMENT: IF: BOB in 18 mins.
IS: Built to 1 inch died back to a weak surface blow.
FF: BOB in 22 mins.
FS: Built to 2 inches died in 56 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.53	132.18	Initial Hydro-static
2	19.19	132.08	Open To Flow (1)
32	126.49	141.41	Shut-In(1)
76	852.47	141.94	End Shut-In(1)
77	135.31	141.72	Open To Flow (2)
137	195.90	146.21	Shut-In(2)
228	818.59	145.57	End Shut-In(2)
229	2225.91	144.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	M 100%m	0.15
156.00	O&MCW 10%o 60%w 30%m	0.77
124.00	HW&OCM 10%o 20%w 70%m	1.24
150.00	CG&O 10%g 90%o	2.10
0.00	GIP = 400FT	0.00
0.00	API = 34@90F = 31 corrected	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FML Natural Resources

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39192 **DST#: 5**

Test Start: 2010.07.15 @ 03:53:00

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:43:00
Time Test Ended: 12:02:30

Test Type: Conventional Straddle
Tester: Brandon Domsch
Unit No: 48

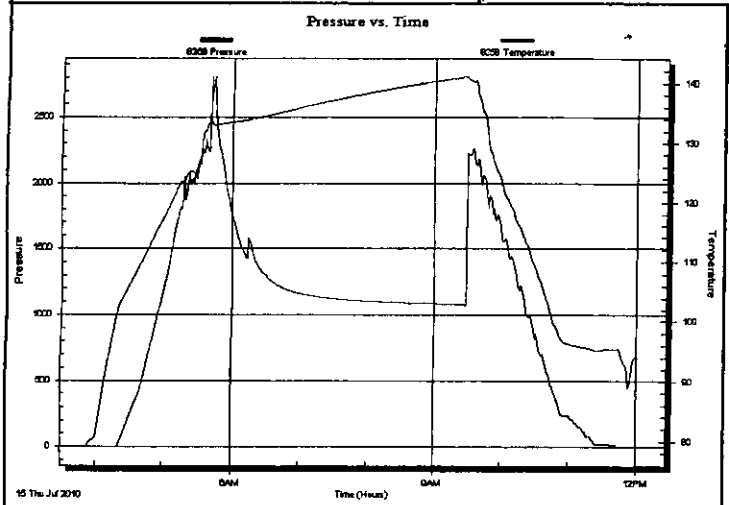
Interval: 4575.00 ft (KB) To 4603.00 ft (KB) (TVD)
Total Depth: 4620.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2972.00 ft (KB)
2960.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8358 **Below (Straddle)**
Press@RunDepth: psig @ 4618.00 ft (KB)
Start Date: 2010.07.15 End Date: 2010.07.15
Start Time: 03:53:15 End Time: 12:02:30

Capacity: 8000.00 psig
Last Calib.: 2010.07.15
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: BOB in 18 mins.
IS: Built to 1 inch died back to a weak surface blow.
FF: BOB in 22 mins.
FS: Built to 2 inches died in 56 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
30.00	M 100%m	0.15
156.00	O&MCW 10%o 60%w 30%m	0.77
124.00	HW&OCM 10%o 20%w 70%m	1.24
150.00	CG&O 10%g 90%o	2.10
0.00	GIP = 400FT	0.00
0.00	API = 34@90F = 31 corrected	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

FML Natural Resources

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39192 **DST#: 5**

Test Start: 2010.07.15 @ 03:53:00

Tool Information

Drill Pipe:	Length:	4331.00 ft	Diameter:	3.80 inches	Volume:	60.75 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	241.00 ft	Diameter:	2.25 inches	Volume:	1.19 bbl	
					Total Volume:	61.94 bbl	

Drill Pipe Above KB:	12.00 ft
Depth to Top Packer:	4575.00 ft
Depth to Bottom Packer:	4603.00 ft
Interval between Packers:	28.00 ft
Tool Length:	61.00 ft
Number of Packers:	3 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	65000.00 lb
Final	70000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4561.00		
Shut In Tool	5.00			4566.00		
Hydraulic tool	5.00			4571.00		
Packer	4.00			4575.00	15.00	Bottom Of Top Packer
Stubb	1.00			4576.00		
Recorder	0.00	8322	Inside	4576.00		
Recorder	0.00	8166	Inside	4576.00		
Perforations	23.00			4599.00		
Blank Off Sub	1.00			4600.00		
Top of packer	3.00			4603.00		
Packer	1.00			4604.00		
Stubb	1.00			4605.00	28.00	Tool Interval
Packer	5.00			4610.00		
Blank Spacing	8.00			4618.00		
Recorder	0.00	8358	Below	4618.00		
Bullnose	3.00			4621.00	18.00	Bottom Packers & Anchor
Total Tool Length:	**61.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

410 17th ST, STE 900
Denver CO 80202

ATTN: Josh Austin

Dearden #2B-16-1931

16-19-31w Scott KS

Job Ticket: 39192 **DST#: 5**

Test Start: 2010.07.15 @ 03:53:00

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:	34000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.56 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2500.00 ppm				
Filter Cake:	1.00 inches				

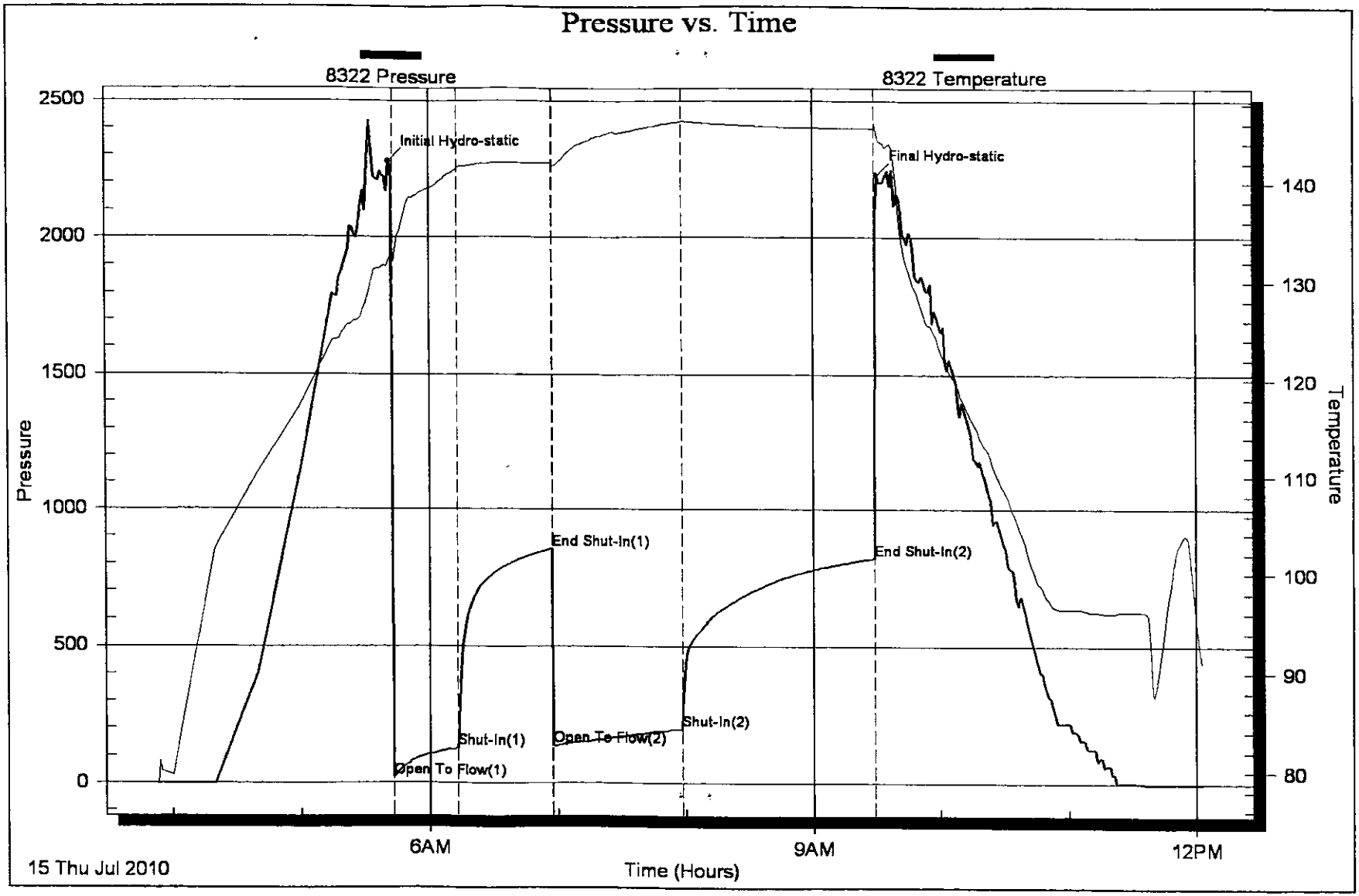
Recovery Information

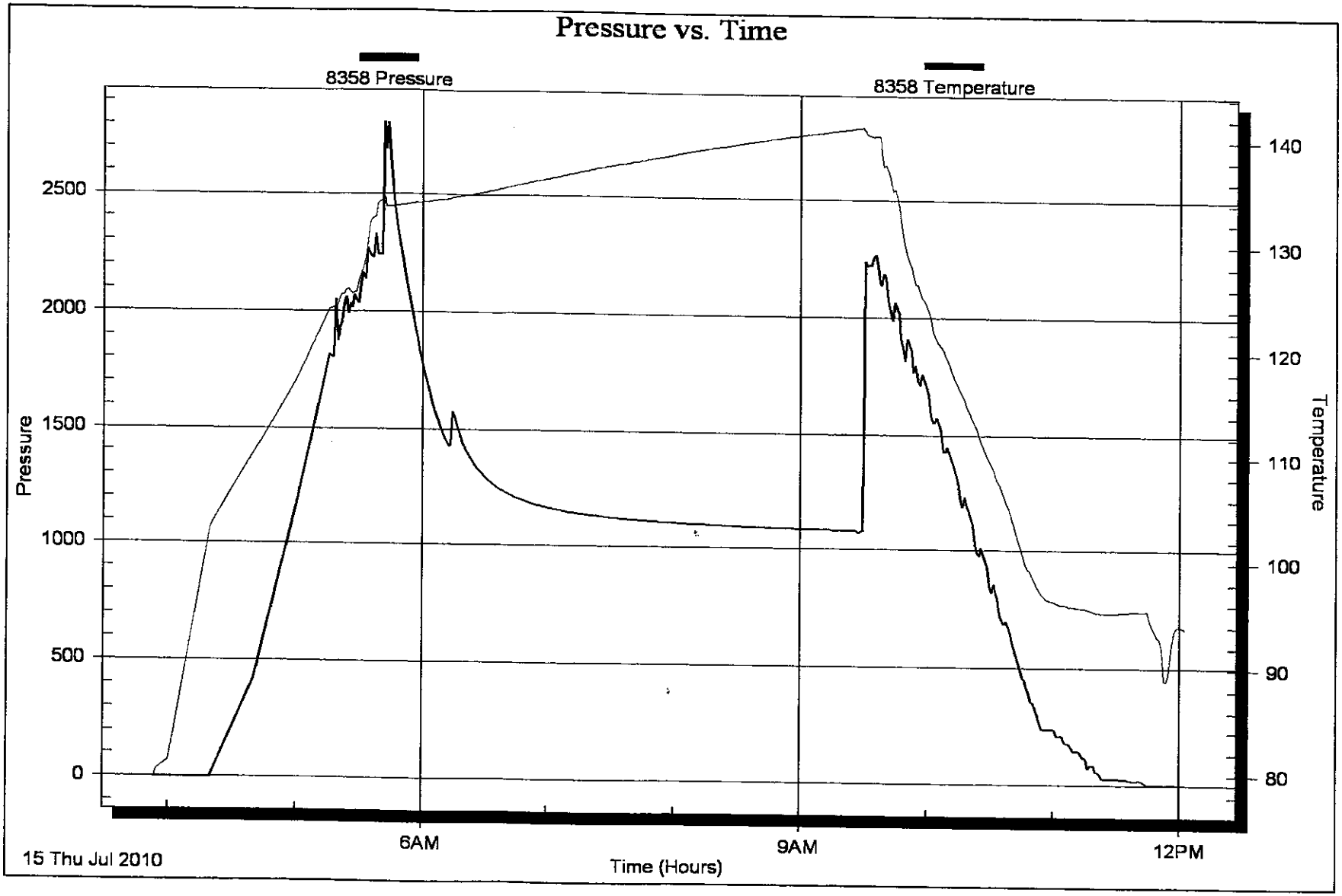
Recovery Table

Length ft	Description	Volume bbl
30.00	M 100%m	0.148
156.00	O&MCW 10%o 60%w 30%m	0.767
124.00	HW&OCM 10%o 20%w 70%m	1.238
150.00	CG&O 10%g 90%o	2.104
0.00	GIP = 400FT	0.000
0.00	API = 34@90F = 31 corrected	0.000
0.00	RW = .164@90F= 34000 ppm	0.000

Total Length: 460.00 ft Total Volume: 4.257 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)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
2500
2000
1500
1000
500
0
Pressure
140
130
120
110
100
90
80
Temperature
6AM
9AM
12PM
15 Thu Jul 2010
Time (Hours)


Pressure vs. Time
8358 Pressure
8358 Temperature
Pressure
2500
2000
1500
1000
500
0
140
130
120
110
100
90
80
Temperature
6AM
9AM
12PM
15 Thu Jul 2010
Time (Hours)