15-065-23311 19-10s-23w

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Phillips Exploration Co LC**

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

19 10 23 Graham KS

Bill Klenk #2-19

Start Date: 2007.07.06 @ 06:09:21
End Date: 2007.07.06 @ 10:47:15
Job Ticket #: 28862 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Phillips Exploration Co LC
Bill Klenk #2-19
19 10 23 Graham KS
DST # 1
LKC "A"
2007.07.06

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Phillips Exploration Co LC

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

Bill Klenk #2-19

19 10 23 Graham KS

Job Ticket: 28862 **DST#: 1**

Test Start: 2007.07.06 @ 06:09:21

GENERAL INFORMATION:

Formation: **LKC "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:49:16
Time Test Ended: 10:47:15

Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 42

Interval: 3772.00 ft (KB) To 3800.00 ft (KB) (TVD)
Total Depth: 3800.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

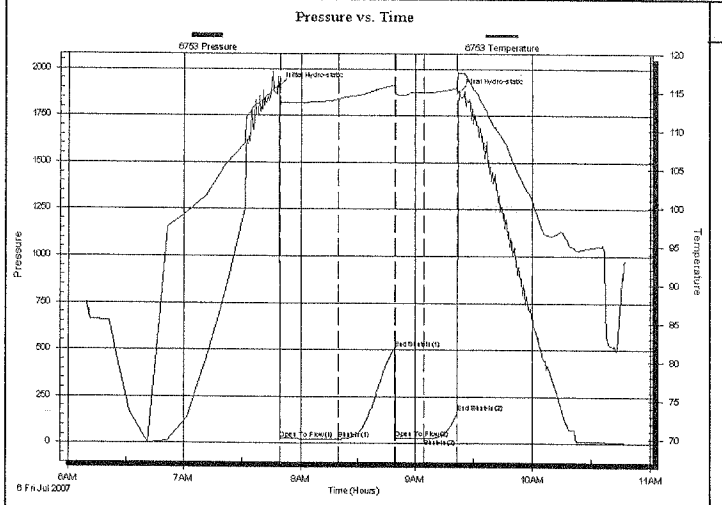
Reference Elevations: 2428.00 ft (KB)
2423.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6753 **Inside**

Press@RunDepth: 27.86 psig @ 3773.01 ft (KB)
Start Date: 2007.07.06 End Date: 2007.07.06
Start Time: 06:09:21 End Time: 10:47:15

Capacity: 7000.00 psig
Last Calib.: 2007.07.06
Time On Btm: 2007.07.06 @ 07:48:46
Time Off Btm: 2007.07.06 @ 09:22:46

TEST COMMENT: IFP Wk bl thru-out 1/4 " to surface bl
FFP No bl flushed tool
Times 30 30 15 15



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1903.67	115.74	Initial Hydro-static
1	23.87	113.30	Open To Flow (1)
31	24.78	114.06	Shut-In(1)
61	506.47	115.88	End Shut-In(1)
61	27.26	114.76	Open To Flow (2)
76	27.86	114.92	Shut-In(2)
93	164.81	115.60	End Shut-In(2)
94	1875.14	117.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 1%O 99%M	0.02

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Phillips Exploration Co LC

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

Bill Klenk #2-19

19 10 23 Graham KS

Job Ticket: 28862 **DST#: 1**

Test Start: 2007.07.06 @ 06:09:21

Tool Information

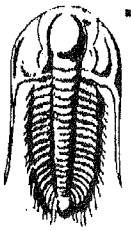
Drill Pipe:	Length:	3636.00 ft	Diameter:	3.80 inches	Volume:	51.00 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	
					Total Volume:	51.59 bbl	

Drill Pipe Above KB:	7.00 ft
Depth to Top Packer:	3772.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	28.02 ft
Tool Length:	51.02 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2200.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		55000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	50000.00 lb
	Final	50000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3750.00		
Shut In Tool	5.00			3755.00		
Hydraulic tool	5.00			3760.00		
Safety Joint	2.00			3762.00		
Packer	5.00			3767.00	23.00	Bottom Of Top Packer
Packer	5.00			3772.00		
Stubb	1.00			3773.00		
Recorder	0.01	6753	Inside	3773.01		
Perforations	24.00			3797.01		
Recorder	0.01	13534	Outside	3797.02		
Bullnose	3.00			3800.02	28.02	Bottom Packers & Anchor
Total Tool Length:	**51.02**					



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Phillips Exploration Co LC

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

Bill Klenk #2-19

19 10 23 Graham KS

Job Ticket: 28862 **DST#: 1**

Test Start: 2007.07.06 @ 06:09:21

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:	7.54 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	2.00 inches				

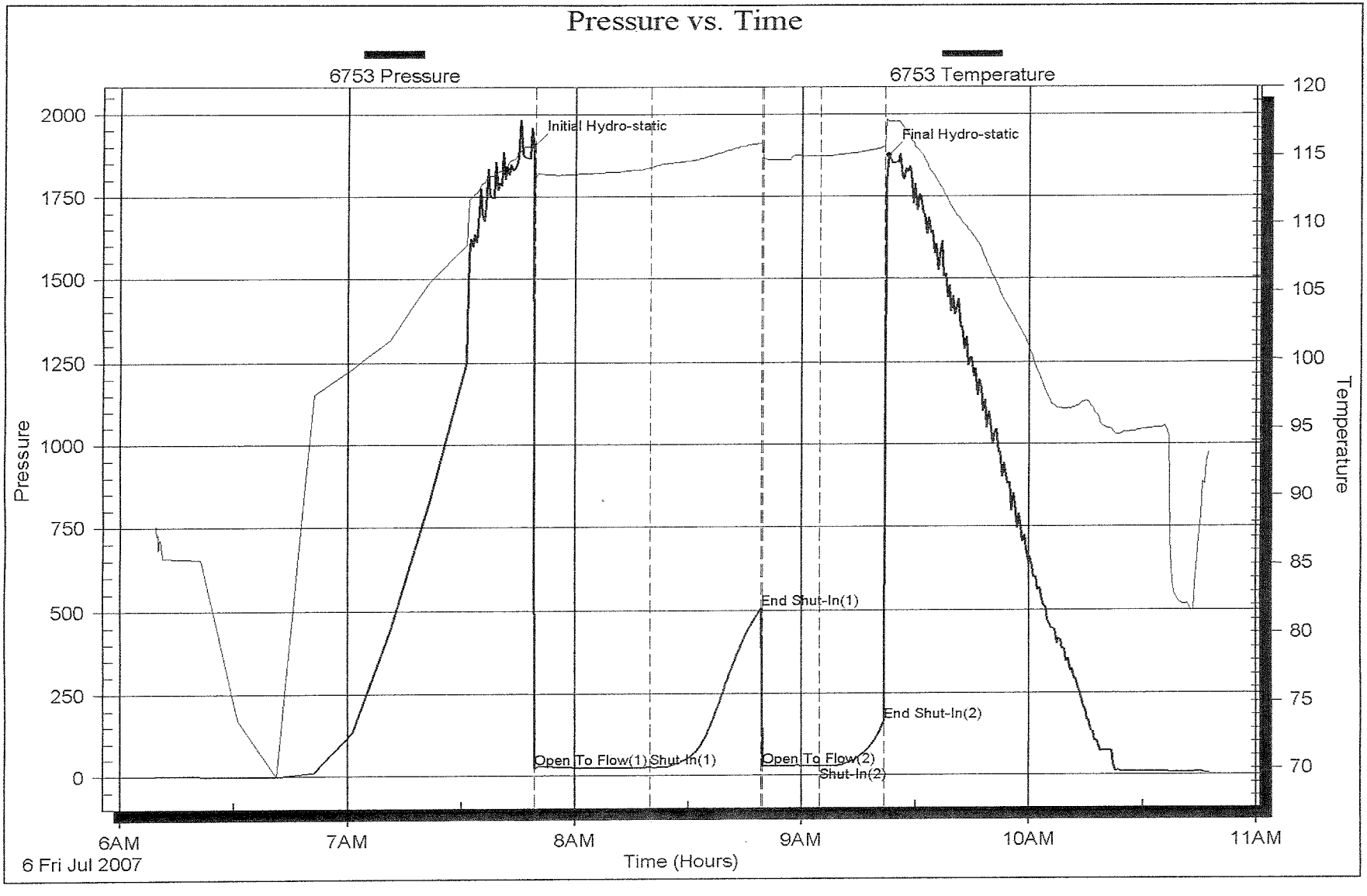
Recovery Information

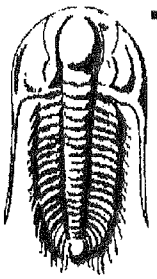
Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 1%O 99%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
6753 Pressure
6753 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
120
115
110
105
100
95
90
85
80
75
70
6AM
7AM
8AM
9AM
10AM
11AM
6 Fri Jul 2007
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Phillips Exploration Co LC**

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

19 10 23 Graham KS

Bill Klenk #2-19

Start Date: 2007.07.06 @ 18:25:56
End Date: 2007.07.07 @ 01:27:20
Job Ticket #: 28863 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Phillips Exploration Co LC

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

Bill Klenk #2-19

19 10 23 Graham KS

Job Ticket: 28863 **DST#: 2**

Test Start: 2007.07.06 @ 18:25:56

GENERAL INFORMATION:

Formation: **LKC B-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:36:51
Time Test Ended: 01:27:20

Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 42

Interval: 3804.00 ft (KB) To 3846.00 ft (KB) (TVD)
Total Depth: 3846.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

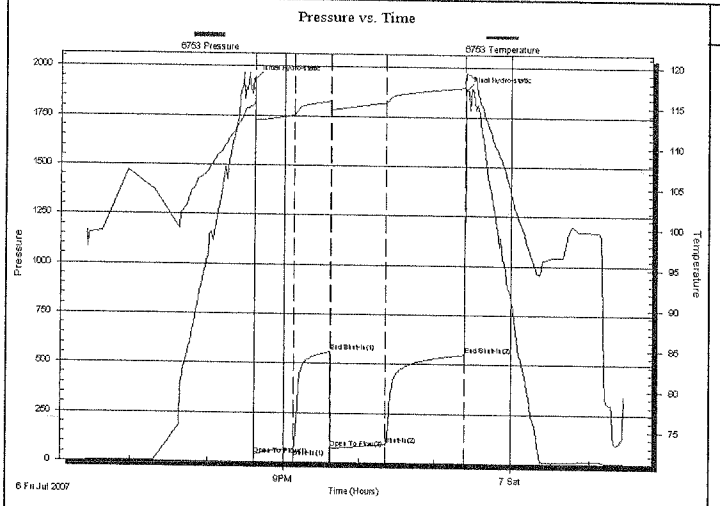
Reference Elevations: 2428.00 ft (KB)
2423.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6753 **Inside**

Press@RunDepth: 91.60 psig @ 3814.01 ft (KB)
Start Date: 2007.07.06 End Date: 2007.07.07
Start Time: 18:25:56 End Time: 01:27:20

Capacity: 7000.00 psig
Last Calib.: 2007.07.07
Time On Btm: 2007.07.06 @ 20:36:21
Time Off Btm: 2007.07.06 @ 23:24:50

TEST COMMENT: IFP Wk to strg in 15 min
FFP Wk to strg in 10 min
Times 30 30 45 60
Surface bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1933.55	115.41	Initial Hydro-static
1	34.10	113.27	Open To Flow (1)
31	66.08	113.89	Shut-In(1)
60	559.12	115.66	End Shut-In(1)
61	72.88	114.64	Open To Flow (2)
105	91.60	115.52	Shut-In(2)
168	548.58	117.45	End Shut-In(2)
169	1886.16	119.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
92.00	MGO 5%G 75%O 20%M	0.45
124.00	CO	1.48
0.00	775 ' GIP	0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Phillips Exploration Co LC

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

Bill Klenk #2-19

19 10 23 Graham KS

Job Ticket: 28863 **DST#: 2**

Test Start: 2007.07.06 @ 18:25:56

Tool Information

Drill Pipe:	Length:	3667.00 ft	Diameter:	3.80 inches	Volume:	51.44 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	
					Total Volume:	52.03 bbl	

Drill Pipe Above KB:	6.00 ft
Depth to Top Packer:	3804.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	42.02 ft
Tool Length:	65.02 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2200.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	60000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	50000.00 lb
Final	51000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3782.00		
Shut In Tool	5.00			3787.00		
Hydraulic tool	5.00			3792.00		
Safety Joint	2.00			3794.00		
Packer	5.00			3799.00	23.00	Bottom Of Top Packer
Packer	5.00			3804.00		
Stubb	1.00			3805.00		
Perforations	9.00			3814.00		
Recorder	0.01	6753	Inside	3814.01		
Perforations	29.00			3843.01		
Recorder	0.01	13534	Outside	3843.02		
Bullnose	3.00			3846.02	42.02	Bottom Packers & Anchor
Total Tool Length:	**65.02**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Phillips Exploration Co LC

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

Bill Klenk #2-19

19 10 23 Graham KS

Job Ticket: 28863 **DST#: 2**

Test Start: 2007.07.06 @ 18:25:56

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:	ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.94 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	2.00 inches				

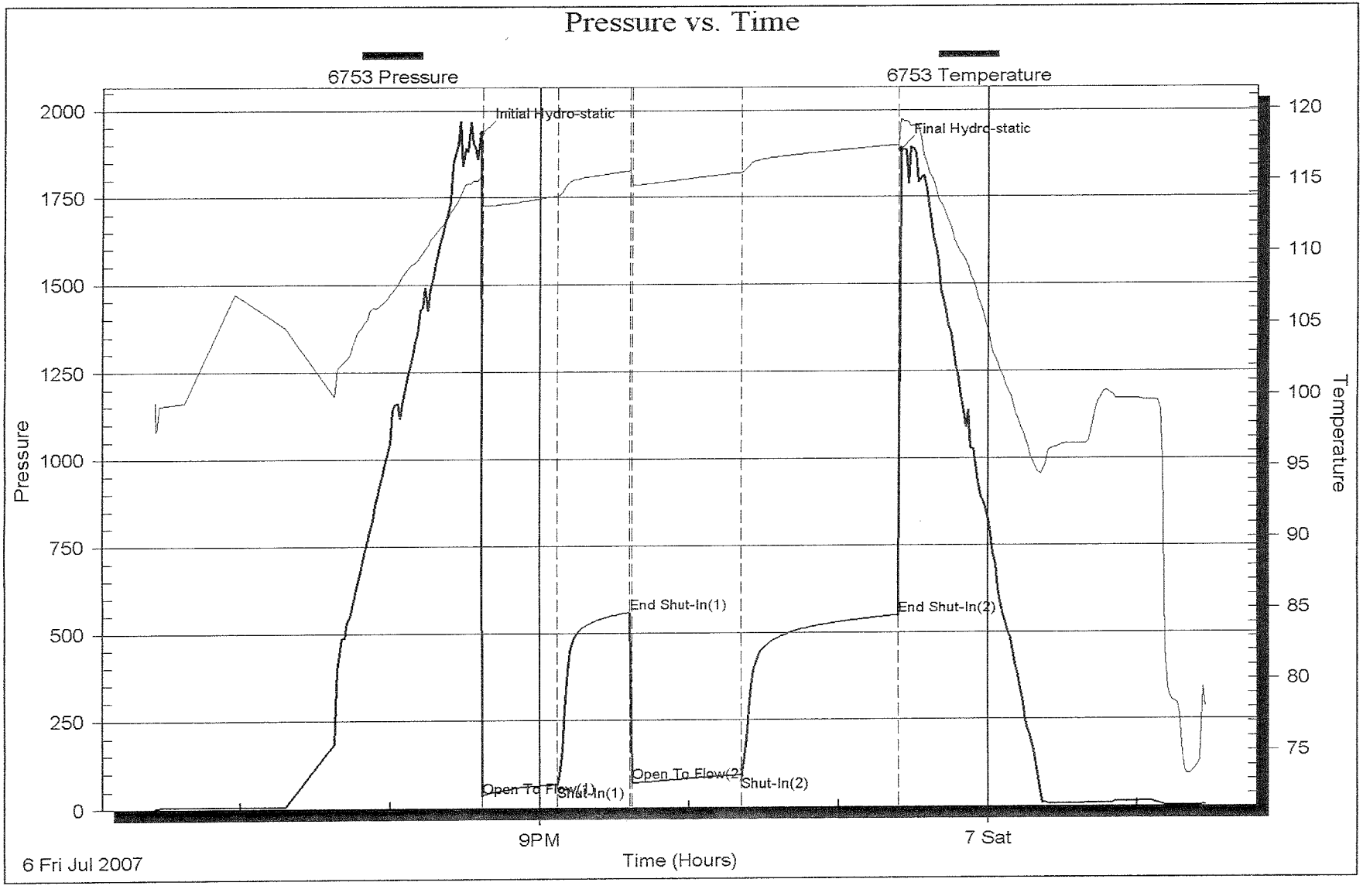
Recovery Information

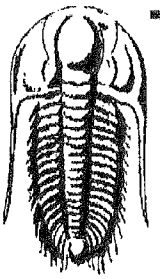
Recovery Table

Length ft	Description	Volume bbl
92.00	MGO 5%G 75%O 20%M	0.452
124.00	CO	1.484
0.00	775 ' GIP	0.000

Total Length: 216.00 ft Total Volume: 1.936 bbl

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


Pressure vs. Time
6753 Pressure
6753 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
120
115
110
105
100
95
90
85
80
75
9PM
7 Sat
Time (Hours)
6 Fri Jul 2007



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Phillips Exploration Co LC**

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

19 10 23 Graham KS

Bill Klenk #2-19

Start Date: 2007.07.07 @ 13:52:13
End Date: 2007.07.07 @ 19:38:37
Job Ticket #: 28864 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Phillips Exploration Co LC

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

Bill Klenk #2-19

19 10 23 Graham KS

Job Ticket: 28864 **DST#: 3**

Test Start: 2007.07.07 @ 13:52:13

GENERAL INFORMATION:

Formation: **LKC H-I**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:46:08
Time Test Ended: 19:38:37

Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 42

Interval: 3904.00 ft (KB) To 3948.00 ft (KB) (TVD)
Total Depth: 3948.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

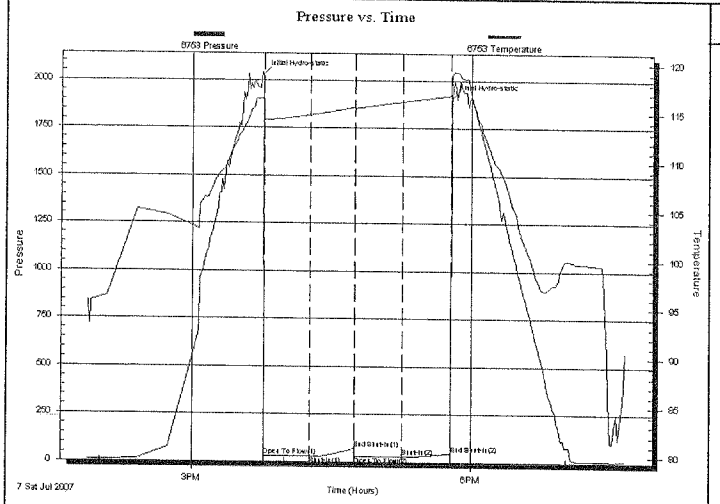
Reference Elevations: 2428.00 ft (KB)
2423.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6753 **Inside**

Press@RunDepth: 31.22 psig @ 3915.01 ft (KB)
Start Date: 2007.07.07 End Date: 2007.07.07
Start Time: 13:52:13 End Time: 19:38:37

Capacity: 7000.00 psig
Last Calib.: 2007.07.07
Time On Btm: 2007.07.07 @ 15:45:38
Time Off Btm: 2007.07.07 @ 17:48:08

TEST COMMENT: IFP Surface bl died in 15 min
FFP No bl
Times 30 30 30 30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2029.29	116.51	Initial Hydro-static
1	28.69	114.36	Open To Flow (1)
31	28.99	114.83	Shut-In(1)
60	71.86	115.62	End Shut-In(1)
60	29.92	115.51	Open To Flow (2)
91	31.22	116.19	Shut-In(2)
122	45.82	116.85	End Shut-In(2)
123	1909.93	118.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 1%O 99%M	0.02

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Phillips Exploration Co LC

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

Bill Klenk #2-19

19 10 23 Graham KS

Job Ticket: 28864 **DST#: 3**

Test Start: 2007.07.07 @ 13:52:13

Tool Information

Drill Pipe:	Length:	3791.00 ft	Diameter:	3.80 inches	Volume:	53.18 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	
					Total Volume:	53.77 bbl	

Drill Pipe Above KB:	30.00 ft
Depth to Top Packer:	3904.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	44.02 ft
Tool Length:	67.02 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2200.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		60000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	50000.00 lb
	Final	50000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3882.00		
Shut In Tool	5.00			3887.00		
Hydraulic tool	5.00			3892.00		
Safety Joint	2.00			3894.00		
Packer	5.00			3899.00	23.00	Bottom Of Top Packer
Packer	5.00			3904.00		
Stubb	1.00			3905.00		
Perforations	10.00			3915.00		
Recorder	0.01	6753	Inside	3915.01		
Perforations	30.00			3945.01		
Recorder	0.01	13534	Outside	3945.02		
Bullnose	3.00			3948.02	44.02	Bottom Packers & Anchor
Total Tool Length:	**67.02**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Phillips Exploration Co LC

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

Bill Klenk #2-19

19 10 23 Graham KS

Job Ticket: 28864 **DST#: 3**

Test Start: 2007.07.07 @ 13:52:13

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:	7.54 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	2.00 inches				

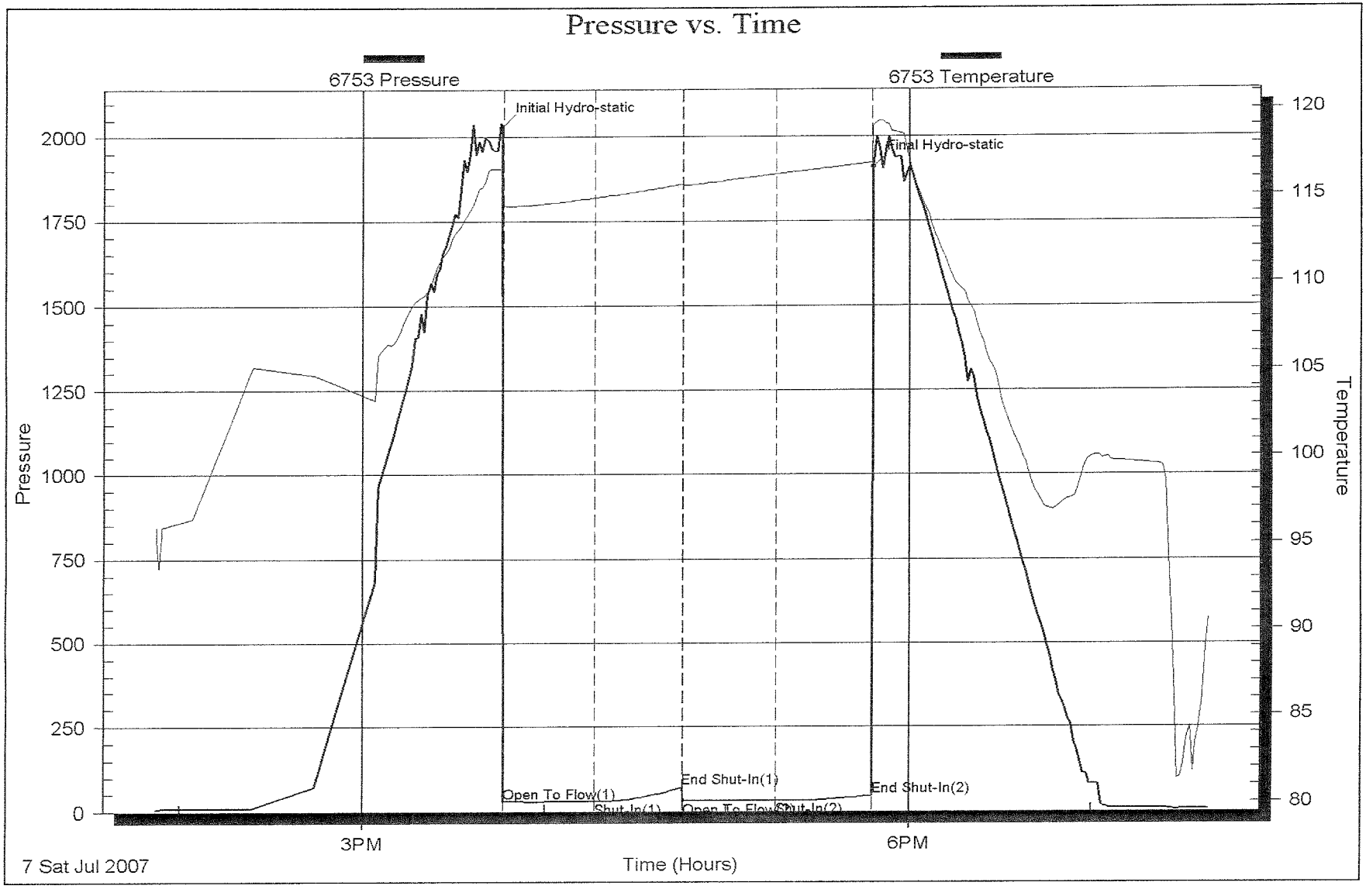
Recovery Information

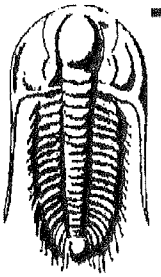
Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 1%O 99%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
6753 Pressure
6753 Temperature
Initial Hydro-static
Final Hydro-static
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
120
115
110
105
100
95
90
85
80
Open To Flow(1)
End Shut-In(1)
End Shut-In(2)
3PM
6PM
7 Sat Jul 2007
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Phillips Exploration Co LC**

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

19 10 23 Graham KS

Bill Klenk #2-19

Start Date: 2007.07.08 @ 05:57:59
End Date: 2007.07.08 @ 12:26:53
Job Ticket #: 28865 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Phillips Exploration Co LC

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

Bill Klenk #2-19

19 10 23 Graham KS

Job Ticket: 28865 **DST#: 4**

Test Start: 2007.07.08 @ 05:57:59

GENERAL INFORMATION:

Formation: **LKC K-L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:47:54
Time Test Ended: 12:26:53

Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 42

Interval: 3965.00 ft (KB) To 4004.00 ft (KB) (TVD)
Total Depth: 4004.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

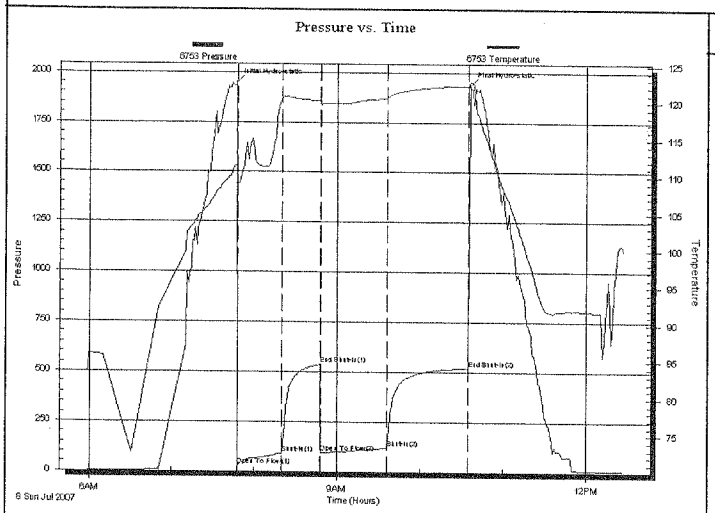
Reference Elevations: 2428.00 ft (KB)
2423.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6753 **Inside**

Press@RunDepth: 119.88 psig @ 3972.01 ft (KB)
Start Date: 2007.07.08 End Date: 2007.07.08
Start Time: 05:57:59 End Time: 12:26:53

Capacity: 7000.00 psig
Last Calib.: 2007.07.08
Time On Btm: 2007.07.08 @ 07:47:24
Time Off Btm: 2007.07.08 @ 10:35:54

TEST COMMENT: IFP Wk to a fr bl 1/2 " to 4 " bl
FFP Wk bl thru-out 1/4 " to 2 1/2 " bl
ISIP No bl
FSIP Surface bl bk Time 30 30 45 60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1946.10	111.39	Initial Hydro-static
1	30.33	109.09	Open To Flow (1)
33	92.74	120.38	Shut-In(1)
61	538.15	120.21	End Shut-In(1)
61	96.57	119.59	Open To Flow (2)
108	119.88	120.63	Shut-In(2)
168	521.59	122.30	End Shut-In(2)
169	1934.18	122.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	Water w/Oil scum	0.65
62.00	OCMW 5%O 30%M 65%W	0.87
30.00	O&GCWM 10%G10%O30%W50%M	0.42
5.00	CO	0.07
0.00	85 ' GIP	0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Phillips Exploration Co LC

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

Bill Klenk #2-19

19 10 23 Graham KS

Job Ticket: 28865 **DST#: 4**

Test Start: 2007.07.08 @ 05:57:59

Tool Information

Drill Pipe:	Length:	3852.00 ft	Diameter:	3.80 inches	Volume:	54.03 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	
					Total Volume:	54.62 bbl	

Drill Pipe Above KB:	30.00 ft
Depth to Top Packer:	3965.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	39.02 ft
Tool Length:	62.02 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2200.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	60000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	54000.00 lb
Final	56000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3943.00		
Shut In Tool	5.00			3948.00		
Hydraulic tool	5.00			3953.00		
Safety Joint	2.00			3955.00		
Packer	5.00			3960.00	23.00	Bottom Of Top Packer
Packer	5.00			3965.00		
Stubb	1.00			3966.00		
Perforations	6.00			3972.00		
Recorder	0.01	6753	Inside	3972.01		
Perforations	29.00			4001.01		
Recorder	0.01	13534	Outside	4001.02		
Bullnose	3.00			4004.02	39.02	Bottom Packers & Anchor
Total Tool Length:	**62.02**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Phillips Exploration Co LC

4109 N Ironwood
Wichita KS 67226

ATTN: Jim Phillips

Bill Klenk #2-19

19 10 23 Graham KS

Job Ticket: 28865 **DST#: 4**

Test Start: 2007.07.08 @ 05:57:59

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:	36000 ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.55 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

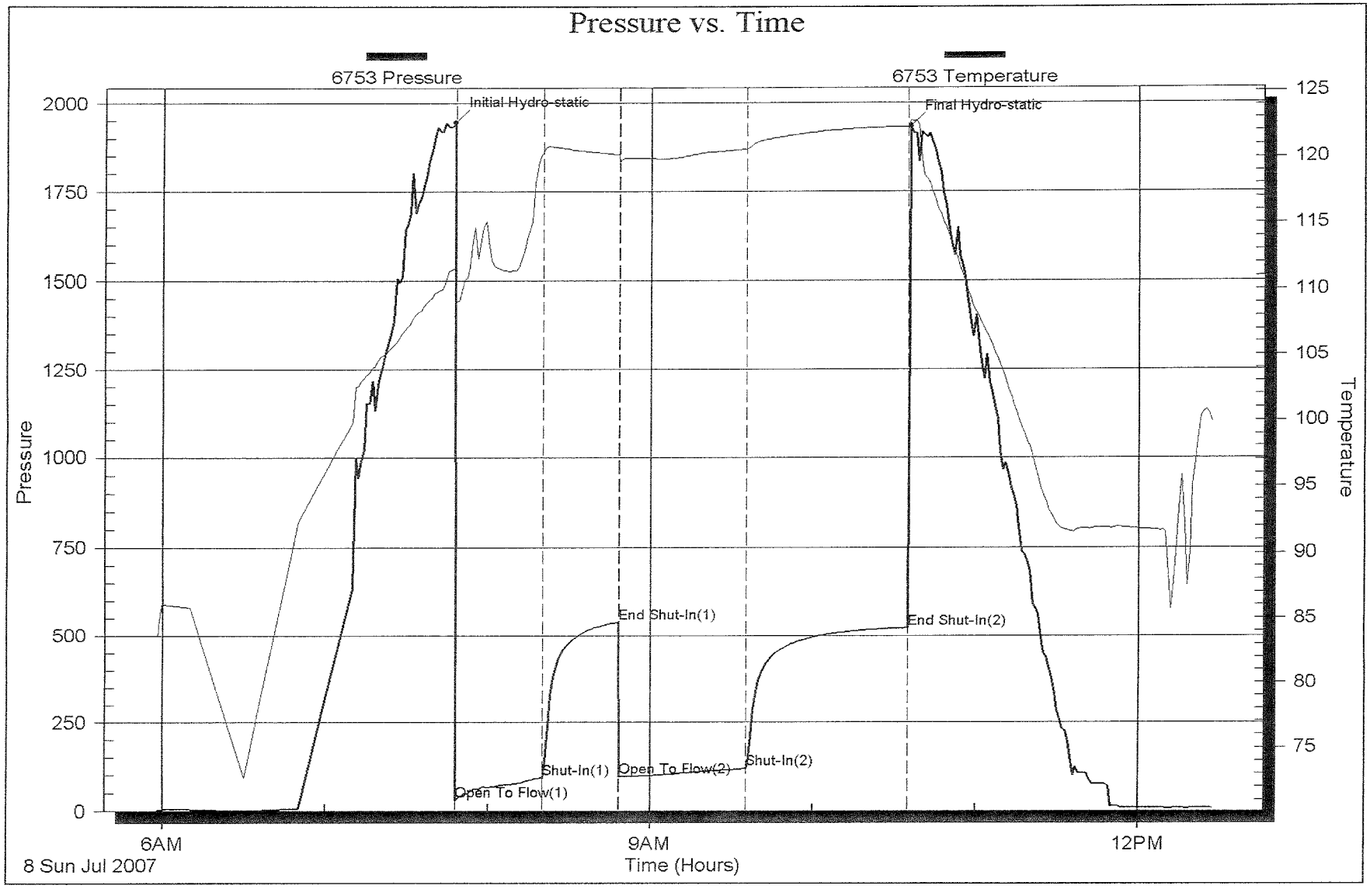
Length ft	Description	Volume bbl
124.00	Water w/Oil scum	0.646
62.00	OCMW 5%O 30%M 65%W	0.870
30.00	O&GCWM 10%G10%O30%W50%M	0.421
5.00	CO	0.070
0.00	85 ' GIP	0.000

Total Length: 221.00 ft Total Volume: 2.007 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .15 @ 92F


Pressure vs. Time
6753 Pressure
6753 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
2000
1750
1500
1250
1000
750
500
250
0
125
120
115
110
105
100
95
90
85
80
75
6AM
9AM
12PM
8 Sun Jul 2007
Time (Hours)