

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **EOG Resources Inc**

3817 NW Expressway Ste 500
Oklahoma City OK 73112

ATTN: Larry Taylor/ Dale Pa

15 33 39W Stevens KS

Phyllis 15 #1

Start Date: 2007.09.05 @ 22:32:07

End Date: 2007.09.06 @ 10:06:37

Job Ticket #: 27164 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

EOG Resources Inc

3817 NW Expressway Ste 500
Oklahoma City OK 73112

ATTN: Larry Taylor/ Dale Pae 500

Phyllis 15 #1

15 33 39W Stevens KS

Job Ticket: 27164 **DST#: 1**

Test Start: 2007.09.05 @ 22:32:07

GENERAL INFORMATION:

Formation: **Lower Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:27:52
Time Test Ended: 10:06:37

Test Type: Conventional Bottom Hole
Tester: Delton Brown
Unit No: #28

Interval: 6098.00 ft (KB) To 6125.00 ft (KB) (TVD)
Total Depth: 6125.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

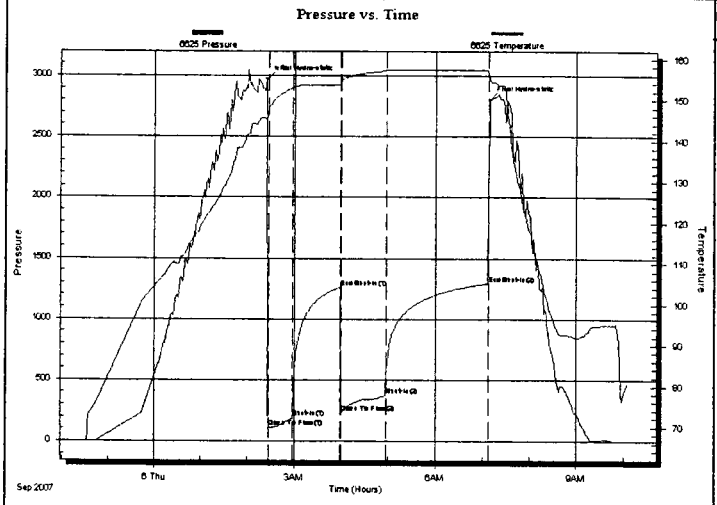
Reference Elevations: 3236.00 ft (KB)
3224.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6625 **Inside**

Press@RunDepth: 373.05 psig @ 6100.00 ft (KB)
Start Date: 2007.09.05 End Date: 2007.09.06
Start Time: 22:32:08 End Time: 10:06:37

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2007.09.06 @ 02:24:37
Time Off Btm: 2007.09.06 @ 07:08:07

TEST COMMENT: IF Strong blow BOB 30 sec. GTS 5 min.
ISI No return blow
FF Strong blow BOB 1 min. GTS 2 min.
FSI No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2970.93	145.15	Initial Hydro-static
4	111.05	147.89	Open To Flow (1)
34	188.31	152.92	Shut-In(1)
94	1262.15	153.44	End Shut-In(1)
96	232.98	154.69	Open To Flow (2)
152	373.05	157.12	Shut-In(2)
282	1292.52	157.37	End Shut-In(2)
284	2799.98	155.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
31.00	100%M	0.15
188.00	GMW 5%G 85%W 10%M	0.92
277.00	GMW 2%G 93%W 5%M	1.73
364.00	MW 98%W 2%M	5.11

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	8.00	8.38
Last Gas Rate	0.13	8.00	8.38
Max. Gas Rate	0.13	18.00	12.13

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

EOG Resources Inc

3817 NW Expressway Ste 500
Oklahoma City OK 73112

ATTN: Larry Taylor/ Dale Pae 500

Phyllis 15 #1

15 33 39W Stevens KS

Job Ticket: 27164 **DST#: 1**

Test Start: 2007.09.05 @ 22:32:07

Tool Information

Drill Pipe:	Length:	5617.00 ft	Diameter:	3.80 inches	Volume:	78.79 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	456.00 ft	Diameter:	2.25 inches	Volume:	2.24 bbl	
					Total Volume:	81.03 bbl	

Drill Pipe Above KB:	5.00 ft
Depth to Top Packer:	6098.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	27.00 ft
Tool Length:	57.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	100000.0 lb
Tool Chased	0.00 ft
String Weight: Initial	80000.00 lb
Final	85000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			6069.00		
Shut In Tool	5.00			6074.00		
Sampler	3.00			6077.00		
Hydraulic tool	5.00			6082.00		
Jars	5.00			6087.00		
Safety Joint	2.00			6089.00		
Packer	5.00		Fluid	6094.00	30.00	Bottom Of Top Packer
Packer	4.00			6098.00		
Stubb	1.00			6099.00		
Perforations	1.00			6100.00		
Recorder	0.00	6625	Inside	6100.00		
Perforations	22.00			6122.00		
Recorder	0.00	13761	Inside	6122.00		
Bullnose	3.00			6125.00	27.00	Bottom Packers & Anchor
Total Tool Length:	**57.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

EOG Resources Inc

3817 NW Expressway Ste 500
Oklahoma City OK 73112

ATTN: Larry Taylor/ Dale Pae 500

Phyllis 15 #1

15 33 39W Stevens KS

Job Ticket: 27164 **DST#: 1**

Test Start: 2007.09.05 @ 22:32:07

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:	23000 ppm
Viscosity:	40.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.96 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

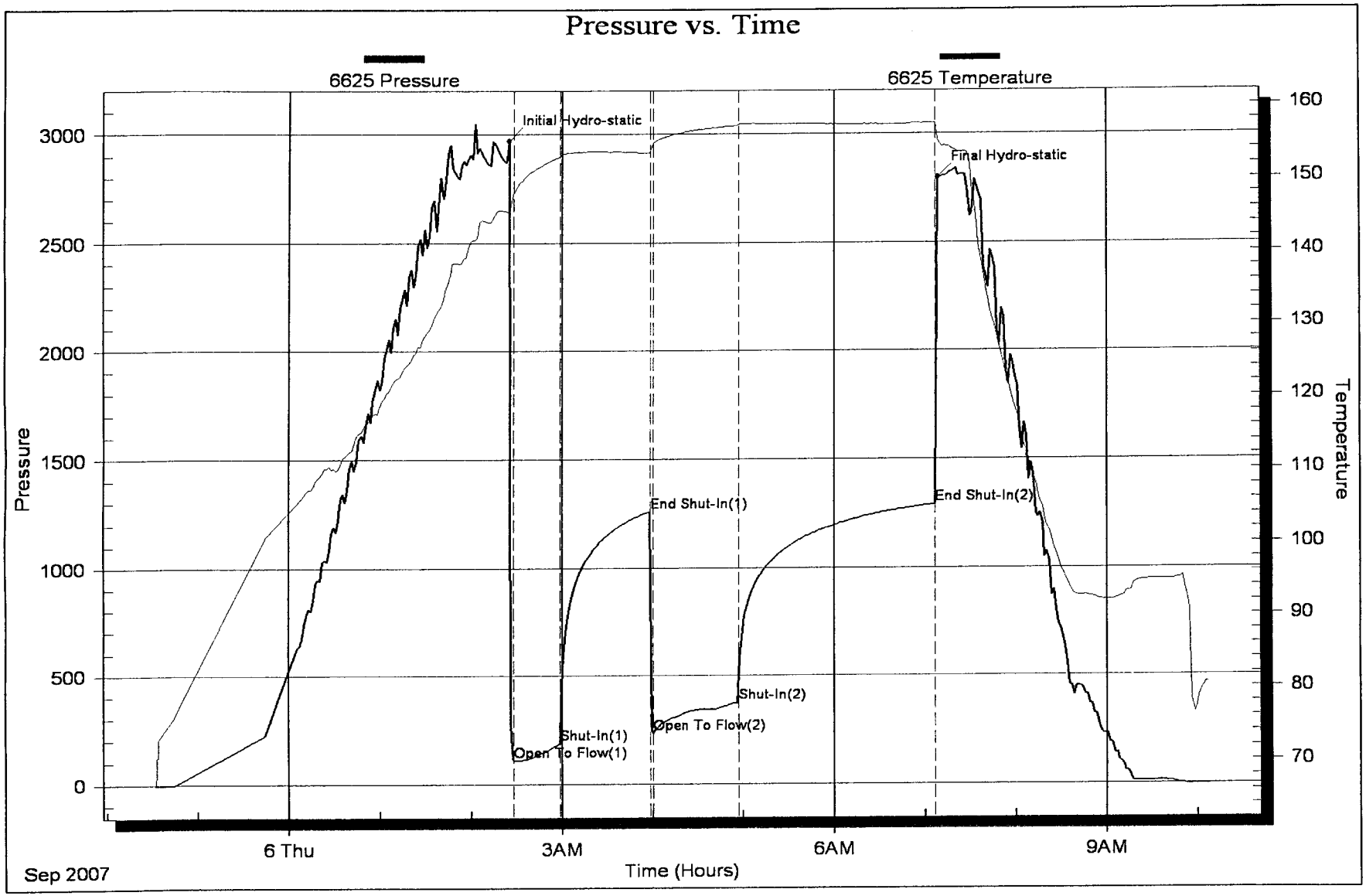
Length ft	Description	Volume bbl
31.00	100%M	0.152
188.00	GMW 5%G 85%W 10%M	0.925
277.00	GMW 2%G 93%W 5%M	1.727
364.00	MW 98%W 2%M	5.106

Total Length: 860.00 ft Total Volume: 7.910 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW=.108@89F=23000


Pressure vs. Time
6625 Pressure
6625 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
3000
2500
2000
1500
1000
500
0
160
150
140
130
120
110
100
90
80
70
6 Thu
3AM
6AM
9AM
Time (Hours)
Sep 2007

EOG Resources Inc

3817 NW Expressway Ste 500
Oklahoma City OK 73112

ATTN: Larry Taylor/ Dale Pae 500

Phyllis 15 #1

15 33 39W Stevens KS

Job Ticket: 27164 **DST#: 1**

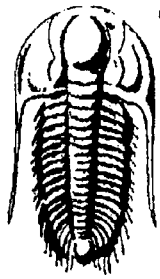
Test Start: 2007.09.05 @ 22:32:07

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m^3/d)
1	10	0.13	8.00	8.38
1	20	0.13	13.00	10.26
1	30	0.13	18.00	12.13
2	20	0.13	4.00	6.89
2	30	0.13	5.00	7.26
2	40	0.13	6.00	7.64
2	50	0.13	7.00	8.01
2	60	0.13	8.00	8.38



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Prepared For: **EOG Resources Inc**

3817 NW Expressway Ste 500
Oklahoma City OK 73112

ATTN: Larry Taylor/ Dale Pa

15 33 39W Stevens KS

Phyllis 15 #1

Start Date: 2007.09.07 @ 10:56:27

End Date: 2007.09.07 @ 23:20:57

Job Ticket #: 27165 DST #: 2

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

DRILL STEM TEST REPORT

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EOG Resources Inc

3817 NW Expressway Ste 500
Oklahoma City OK 73112

ATTN: Larry Taylor/ Dale Pae 500

Phyllis 15 #1

15 33 39W Stevens KS

Job Ticket: 27165 **DST#: 2**

Test Start: 2007.09.07 @ 10:56:27

GENERAL INFORMATION:

Formation: **St. Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:10:57
Time Test Ended: 23:20:57

Test Type: Conventional Bottom Hole
Tester: Delton Brown
Unit No: 28

Interval: 6379.00 ft (KB) To 6408.00 ft (KB) (TVD)
Total Depth: 6408.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

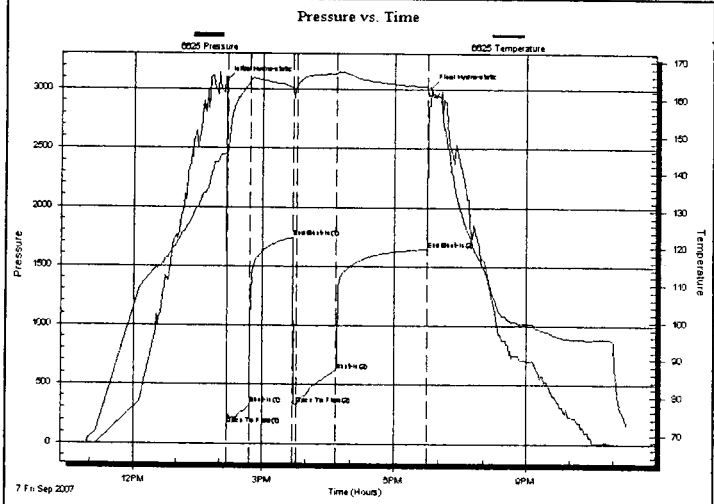
Reference Elevations: 3236.00 ft (KB)
3224.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6625 **Inside**

Press@RunDepth: 617.30 psig @ 6380.00 ft (KB)
Start Date: 2007.09.07 End Date: 2007.09.07
Start Time: 10:56:28 End Time: 23:20:57

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2007.09.07 @ 14:09:57
Time Off Btm: 2007.09.07 @ 18:48:57

TEST COMMENT: IF Strong blow BOB 2 min. GTS 14 min.
ISI Return blow 8 "
FF Strong blow BOB 1 min. GTS ASAO
FSI Return blow BOB strong



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3073.68	145.18	Initial Hydro-static
1	152.71	145.01	Open To Flow (1)
32	324.63	163.92	Shut-In(1)
92	1742.51	162.96	End Shut-In(1)
97	325.48	163.22	Open To Flow (2)
152	617.30	166.68	Shut-In(2)
275	1643.75	163.27	End Shut-In(2)
279	3017.04	161.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
31.00	MCO 98%O 2%M	0.15
558.00	GMCO 30%G 65%O 5%M	3.96
186.00	GMCO 40%G 55%O 5%M	2.61
279.00	GOCWM 6%G 4%O 40%W 50%M	3.91
460.00	MW 98%W 2%M	6.45

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.00	6.14
Last Gas Rate	0.13	23.00	14.00
Max. Gas Rate	0.13	23.00	14.00

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TOOL DIAGRAM

EOG Resources Inc

3817 NW Expressway Ste 500
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ATTN: Larry Taylor/ Dale Pae 500

Phyllis 15 #1

15 33 39W Stevens KS

Job Ticket: 27165 **DST#: 2**

Test Start: 2007.09.07 @ 10:56:27

Tool Information

Drill Pipe:	Length:	5896.00 ft	Diameter:	3.80 inches	Volume:	82.71 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:		20000.00 lb
Drill Collar:	Length:	456.00 ft	Diameter:	2.25 inches	Volume:	2.24 bbl	Weight to Pull Loose:		140000.0 lb
					Total Volume:	84.95 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		3.00 ft					String Weight:	Initial	85000.00 lb
Depth to Top Packer:		6379.00 ft						Final	92000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		29.00 ft							
Tool Length:		59.00 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			6350.00		
Shut In Tool	5.00			6355.00		
Sampler	3.00			6358.00		
Hydraulic tool	5.00			6363.00		
Jars	5.00			6368.00		
Safety Joint	2.00			6370.00		
Packer	5.00		Fluid	6375.00	30.00	Bottom Of Top Packer
Packer	4.00			6379.00		
Stubb	1.00			6380.00		
Recorder	0.00	6625	Inside	6380.00		
Perforations	25.00			6405.00		
Recorder	0.00	13761	Inside	6405.00		
Bullnose	3.00			6408.00	29.00	Bottom Packers & Anchor
Total Tool Length:	**59.00**					

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ATTN: Larry Taylor/ Dale Pae 500

Phyllis 15 #1

15 33 39W Stevens KS

Job Ticket: 27165 **DST#: 2**

Test Start: 2007.09.07 @ 10:56:27

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 45.00 sec/qt
Water Loss: 8.18 in³
Resistivity: ohm.m
Salinity: 900.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 41 deg API
Water Salinity: 25800 ppm

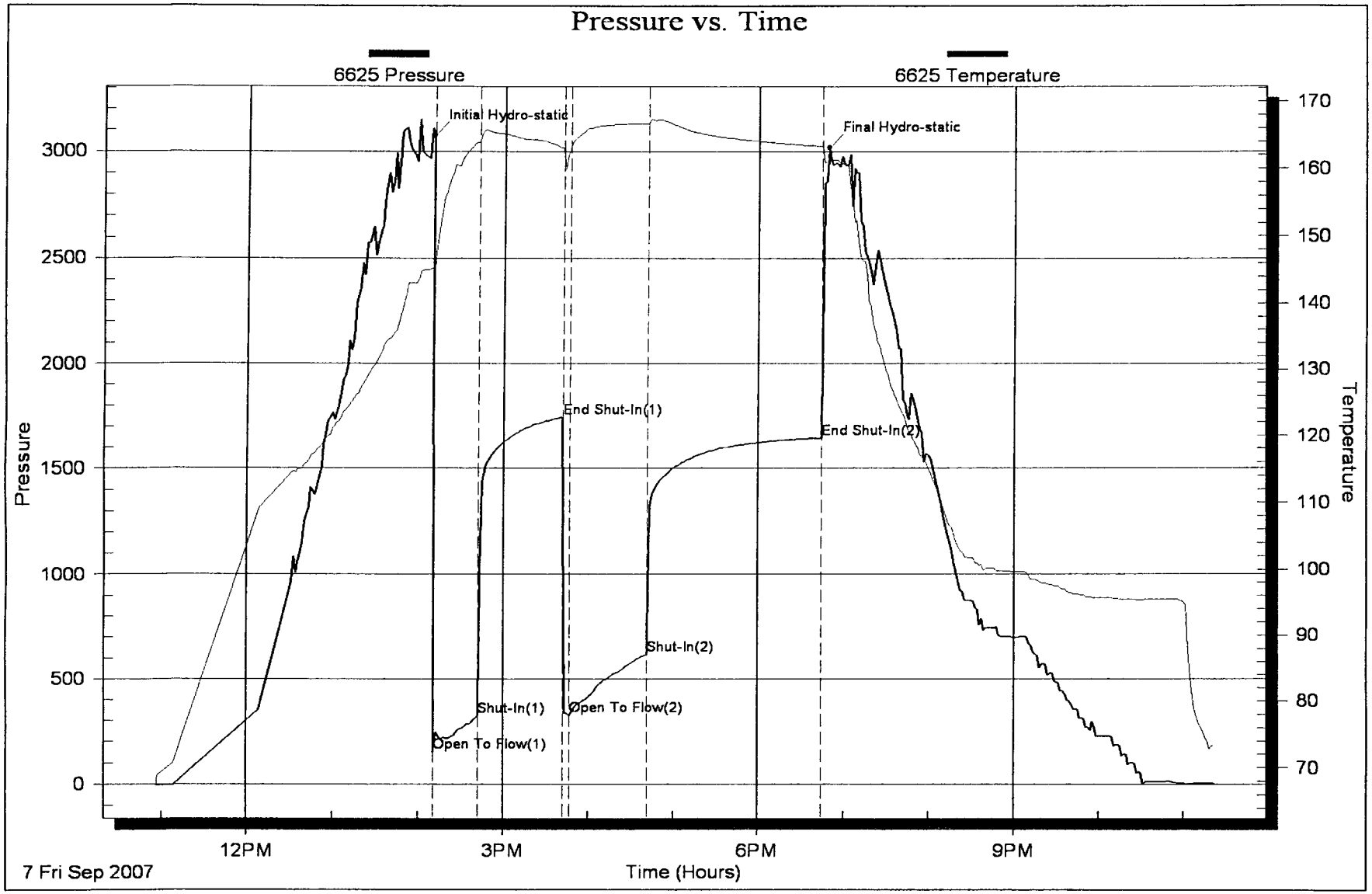
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	MCO 98%O 2%M	0.152
558.00	GMCO 30%G 65%O 5%M	3.956
186.00	GMCO 40%G 55%O 5%M	2.609
279.00	GOCWM 6%G 4%O 40%W 50%M	3.914
460.00	MW 98%W 2%M	6.453

Total Length: 1514.00 ft Total Volume: 17.084 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW=.109@72F=25800ppm
Gravity=41@66F=41API


Pressure vs. Time
6625 Pressure
6625 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
3000
2500
2000
1500
1000
500
0
170
160
150
140
130
120
110
100
90
80
70
12PM
3PM
6PM
9PM
7 Fri Sep 2007
Time (Hours)

EOG Resources Inc

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Oklahoma City OK 73112

ATTN: Larry Taylor/ Dale Pae 500

Phyllis 15 #1

15 33 39W Stevens KS

Job Ticket: 27165 **DST#: 2**

Test Start: 2007.09.07 @ 10:56:27

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m^3/d)
1	20	0.13	2.00	6.14
1	30	0.13	6.00	7.64
2	10	0.13	1.00	5.76
2	20	0.13	6.00	7.64
2	30	0.13	8.00	8.38
2	40	0.13	12.00	9.88
2	50	0.13	17.00	11.75
2	60	0.13	23.00	14.00