



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

4 12S 30W Gove KS

Vollbracht #1-4

Start Date: 2007.02.21 @ 16:18:36

End Date: 2007.02.22 @ 01:24:16

Job Ticket #: 26083 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26083

DST#: 1

Test Start: 2007.02.21 @ 16:18:36

GENERAL INFORMATION:

Formation: **L, KC "B&C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:11:06

Time Test Ended: 01:24:16

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 22

Interval: **3856.00 ft (KB) To 3900.00 ft (KB) (TVD)**

Total Depth: 3900.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2835.00 ft (KB)

2830.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 32.69 psig @ 3865.00 ft (KB)

Start Date: 2007.02.21

End Date:

2007.02.22

Capacity: 7000.00 psig

Last Calib.: 2007.02.22

Start Time: 16:18:38

End Time:

01:24:16

Time On Btm: 2007.02.21 @ 20:10:56

Time Off Btm: 2007.02.21 @ 22:14:16

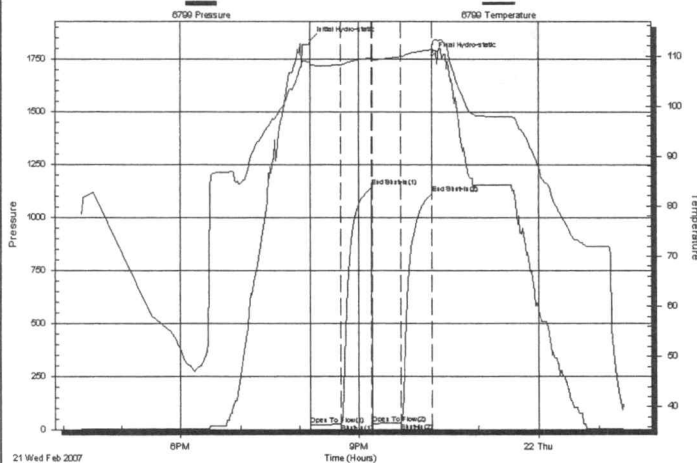
TEST COMMENT: IF Very weak surface blow died after 1 minute

ISI No blow back

FF No blow

FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1839.56	108.80	Initial Hydro-static
1	19.54	108.16	Open To Flow (1)
31	25.44	108.25	Shut-In (1)
62	1145.20	109.60	End Shut-In (1)
63	26.93	109.20	Open To Flow (2)
92	32.69	109.85	Shut-In (2)
123	1113.36	111.21	End Shut-In (2)
124	1766.50	111.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud 100%M	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26083

DST#: 1

Test Start: 2007.02.21 @ 16:18:36

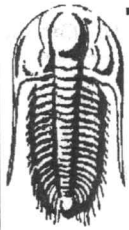
Tool Information

Drill Pipe:	Length: 3730.00 ft	Diameter: 3.80 inches	Volume: 52.32 bbl	Tool Weight: 2100.00 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: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	52.93 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3856.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter:	6.75 inches	

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3833.00	
Hydraulic tool	5.00			3838.00	
Jars	5.00			3843.00	
Safety Joint	3.00			3846.00	
Packer	5.00			3851.00	28.00 Bottom Of Top Packer
Packer	5.00			3856.00	
Stubb	1.00			3857.00	
Perforations	8.00			3865.00	
Recorder	0.00	6799	Inside	3865.00	
Blank Spacing	32.00			3897.00	
Recorder	0.00	3354	Outside	3897.00	
Bullnose	3.00			3900.00	44.00 Bottom Packers & Anchor

Total Tool Length: 72.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26083

DST#: 1

Test Start: 2007.02.21 @ 16:18:36

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 6.38 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:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud 100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

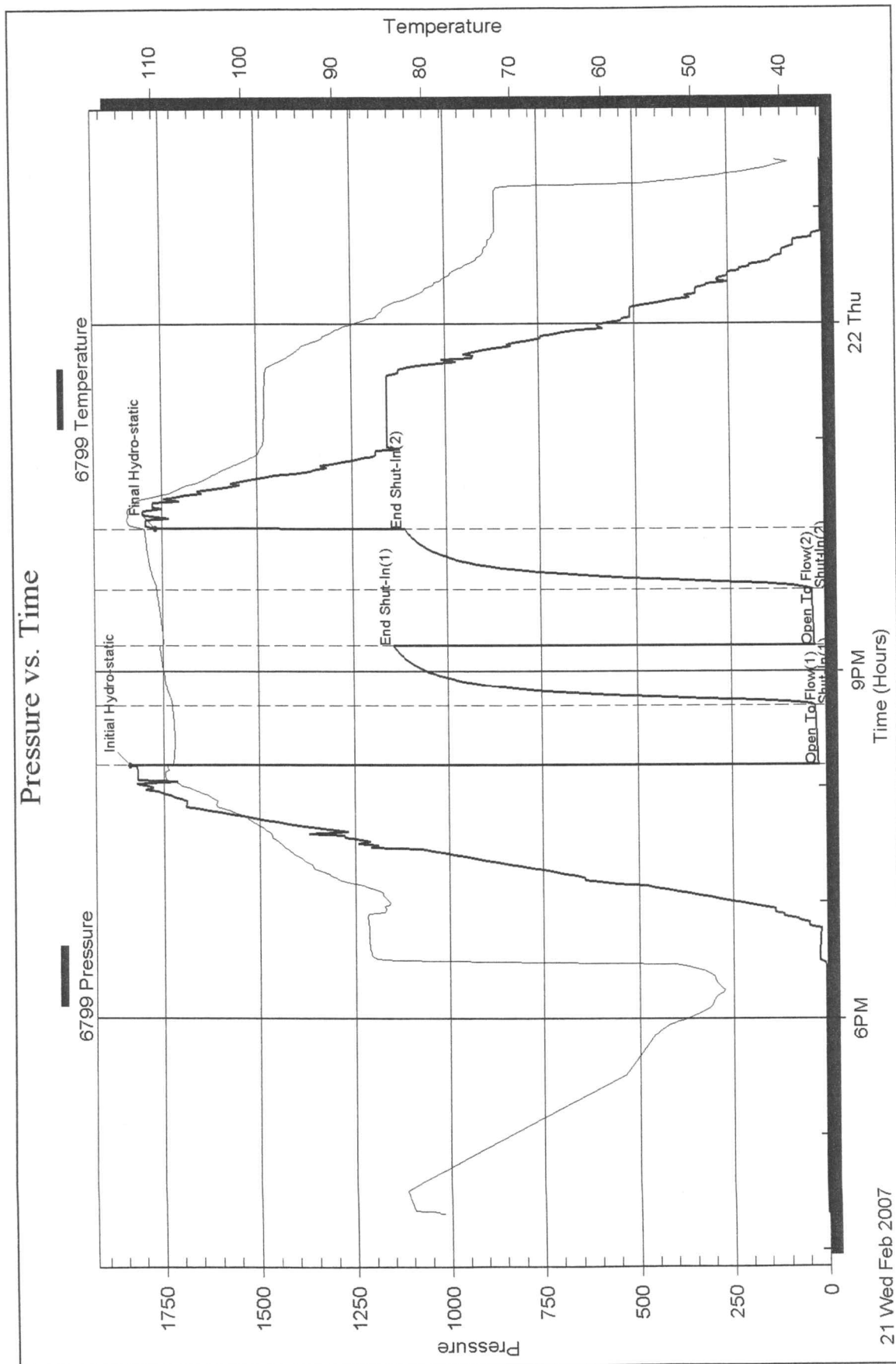
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

4 12S 30W Gove KS

Vollbracht #1-4

Start Date: 2007.02.22 @ 11:39:47

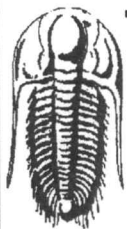
End Date: 2007.02.22 @ 19:53:17

Job Ticket #: 26084 DST #: 2

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DRILL STEM TEST REPORT

Landmark Resources

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26084

DST#: 2

Test Start: 2007.02.22 @ 11:39:47

GENERAL INFORMATION:

Formation: **L, KC "E&F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:36:37

Time Test Ended: 19:53:17

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 22

Interval: 3896.00 ft (KB) To 3935.00 ft (KB) (TVD)

Total Depth: 3935.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2835.00 ft (KB)

2830.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 115.94 psig @ 3897.00 ft (KB)

Start Date: 2007.02.22

End Date:

2007.02.22

Start Time: 11:39:49

End Time:

19:53:17

Capacity: 7000.00 psig

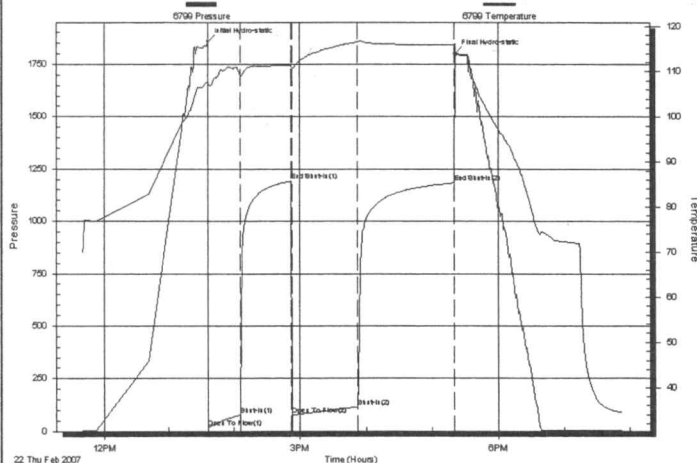
Last Calib.: 2007.02.22

Time On Btm: 2007.02.22 @ 13:36:27

Time Off Btm: 2007.02.22 @ 17:20:47

TEST COMMENT: IF Fair blow building to 5.25 " in bucket
ISI Bled off no blow back
FF Fair blow building to 6.5 " in bucket
FSI Bled off no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1856.03	107.64	Initial Hydro-static
1	18.34	106.67	Open To Flow (1)
30	76.18	109.21	Shut-In(1)
77	1191.56	111.46	End Shut-In(1)
77	76.93	110.97	Open To Flow (2)
136	115.94	116.53	Shut-In(2)
224	1182.59	115.83	End Shut-In(2)
225	1799.25	116.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	MCW 30%M 70%W	1.46
30.00	OSM 2%O 98%M	0.42
1.00	Clean Oil 100%O	0.01
0.00	RW=.37 OHMS@41degF=33000ppmCh	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26084

DST#: 2

Test Start: 2007.02.22 @ 11:39:47

Tool Information

Drill Pipe:	Length: 3762.00 ft	Diameter: 3.80 inches	Volume: 52.77 bbl	Tool Weight: 2100.00 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: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	53.38 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3896.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter:	6.75 inches	
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3873.00	
Hydraulic tool	5.00			3878.00	
Jars	5.00			3883.00	
Safety Joint	3.00			3886.00	
Packer	5.00			3891.00	28.00 Bottom Of Top Packer
Packer	5.00			3896.00	
Stubb	1.00			3897.00	
Recorder	0.00	6799	Inside	3897.00	
Perforations	35.00			3932.00	
Recorder	0.00	3354	Outside	3932.00	
Bullnose	3.00			3935.00	39.00 Bottom Packers & Anchor

Total Tool Length: 67.00



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FLUID SUMMARY

Landmark Resources

1616 S Voss Ste 150
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ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26084

DST#: 2

Test Start: 2007.02.22 @ 11:39:47

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 6.38 in³

Resistivity: ohm.m

Salinity: 900.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	MCW 30%M 70%W	1.456
30.00	OSM 2%O 98%M	0.421
1.00	Clean Oil 100%O	0.014
0.00	RW=.37 OHMS@41degF=33000ppmChl	0.000

Total Length: 216.00 ft

Total Volume: 1.891 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

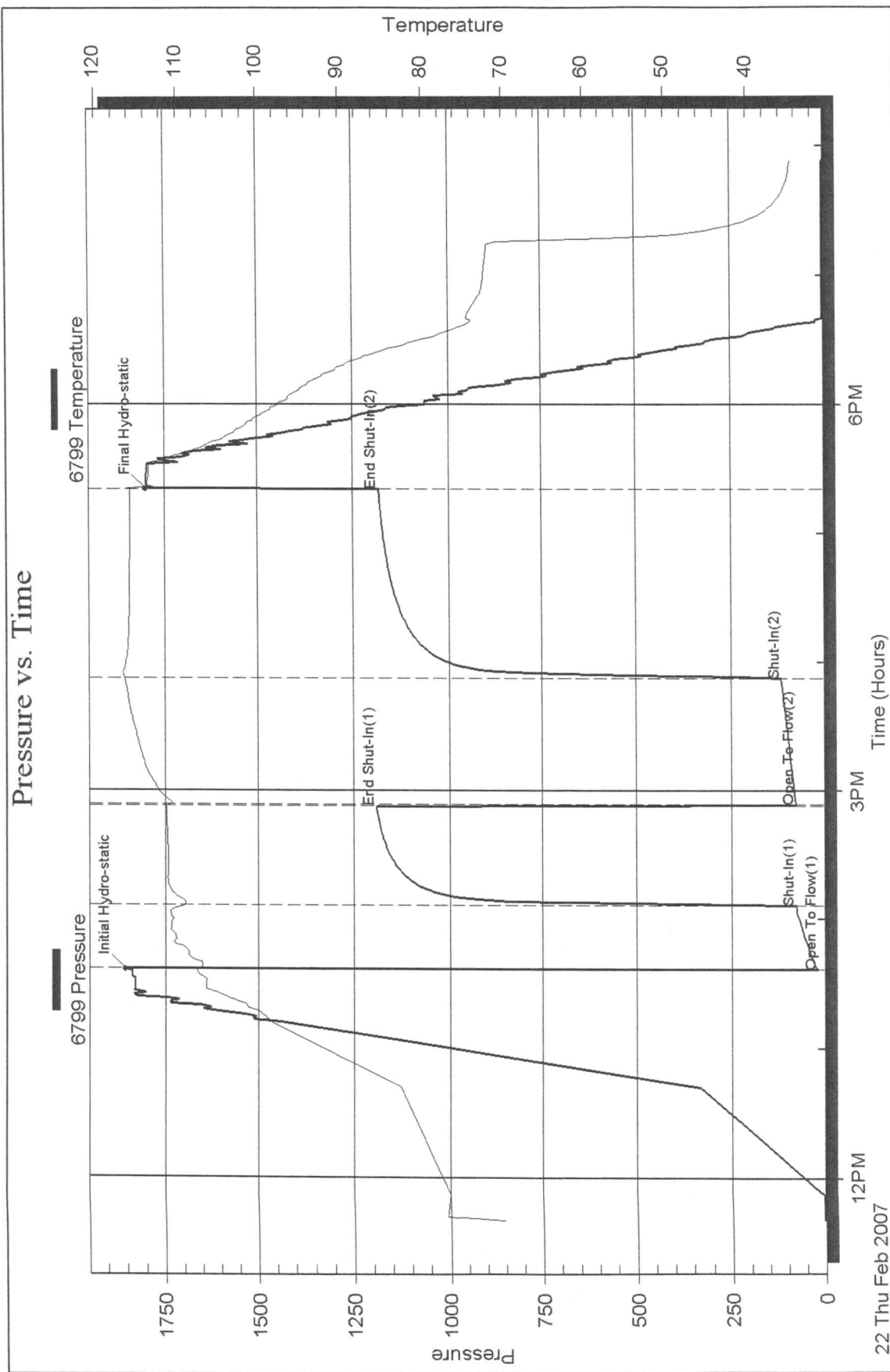
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

4 12S 30W Gove KS

Vollbracht #1-4

Start Date: 2007.02.23 @ 15:23:32

End Date: 2007.02.23 @ 21:46:32

Job Ticket #: 26085 DST #: 3

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DRILL STEM TEST REPORT

Landmark Resources

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26085

DST#: 3

Test Start: 2007.02.23 @ 15:23:32

GENERAL INFORMATION:

Formation: **L,KC "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:32:12

Time Test Ended: 21:46:32

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 22

Interval: **3966.00 ft (KB) To 4094.00 ft (KB) (TVD)**

Total Depth: 4094.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2835.00 ft (KB)

2830.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799 Inside

Press@RunDepth: 58.87 psig @ 3996.00 ft (KB)

Start Date: 2007.02.23

End Date:

2007.02.23

Capacity: 7000.00 psig

Last Calib.: 2007.02.23

Start Time: 15:23:34

End Time:

21:46:32

Time On Btm: 2007.02.23 @ 17:32:02

Time Off Btm: 2007.02.23 @ 19:39:02

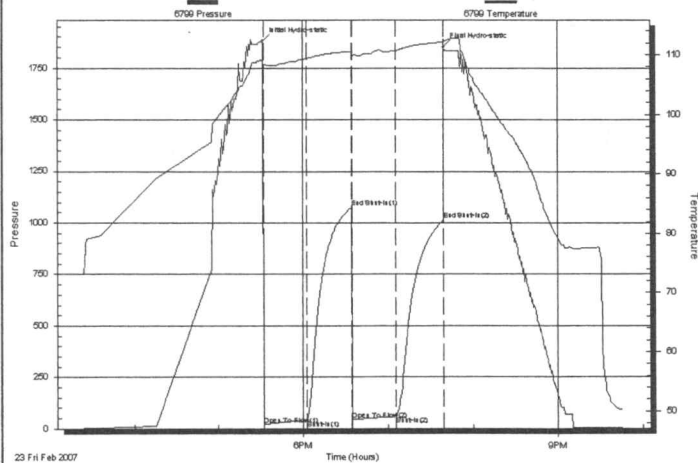
TEST COMMENT: IF Weak blow built to 1.5 " in bucket

ISI Bled off no blow back

FF No blow

FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1880.12	108.98	Initial Hydro-static
1	18.84	107.70	Open To Flow (1)
31	39.68	109.34	Shut-In (1)
62	1075.49	110.51	End Shut-In (1)
63	43.13	110.09	Open To Flow (2)
93	58.87	110.63	Shut-In (2)
127	1012.29	112.08	End Shut-In (2)
127	1849.49	112.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Drilling Mud 100%M	0.44

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26085

DST#: 3

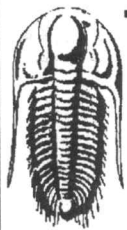
Test Start: 2007.02.23 @ 15:23:32

Tool Information

Drill Pipe:	Length: 3825.00 ft	Diameter: 3.80 inches	Volume: 53.65 bbl	Tool Weight: 2100.00 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: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	54.26 bbl	Tool Chased 4.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3966.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	128.00 ft			
Tool Length:	156.00 ft			
Number of Packers:	2	Diameter:	6.75 inches	
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3943.00	
Hydraulic tool	5.00			3948.00	
Jars	5.00			3953.00	
Safety Joint	3.00			3956.00	
Packer	5.00			3961.00	28.00 Bottom Of Top Packer
Packer	5.00			3966.00	
Stubb	1.00			3967.00	
Perforations	29.00			3996.00	
Recorder	0.00	6799	Inside	3996.00	
Blank Spacing	95.00			4091.00	
Recorder	0.00	3354	Outside	4091.00	
Bullnose	3.00			4094.00	128.00 Bottom Packers & Anchor

Total Tool Length: 156.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26085

DST#: 3

Test Start: 2007.02.23 @ 15:23:32

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 43.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 1700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Drilling Mud 100%M	0.443

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

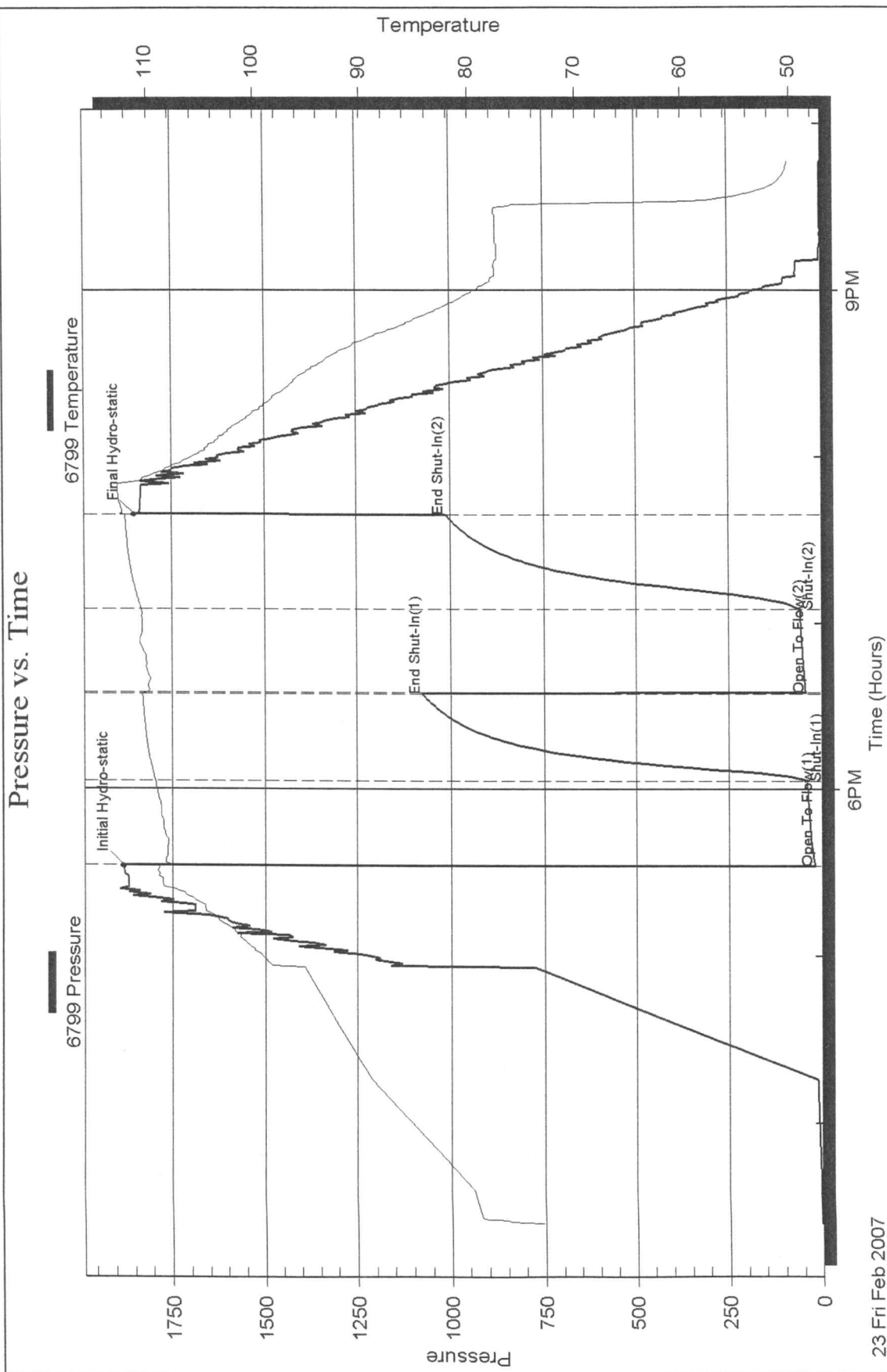
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

4 12S 30W Gove KS

Vollbracht #1-4

Start Date: 2007.02.25 @ 09:57:29

End Date: 2007.02.25 @ 17:56:08

Job Ticket #: 26086 DST #: 4

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DRILL STEM TEST REPORT

Landmark Resources

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26086

DST#: 4

Test Start: 2007.02.25 @ 09:57:29

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:44:59

Time Test Ended: 17:56:08

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 22

Interval: **4259.00 ft (KB) To 4366.00 ft (KB) (TVD)**

Total Depth: 4366.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2835.00 ft (KB)

2830.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 87.21 psig @ 4268.00 ft (KB)

Start Date: 2007.02.25

End Date:

2007.02.25

Capacity: 7000.00 psig

Last Calib.: 2007.02.25

Start Time: 09:57:31

End Time:

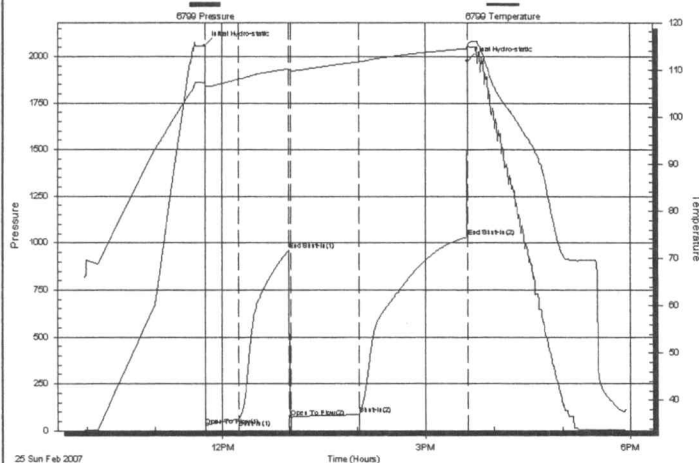
17:56:09

Time On Btm: 2007.02.25 @ 11:44:39

Time Off Btm: 2007.02.25 @ 15:36:48

TEST COMMENT: IF Fair blow building to 7" in bucket
ISI Bled off no blow back
FF Fairly strong blow built to BOB in 53 minutes
FSI Bled off weak surface blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2060.85	107.19	Initial Hydro-static
1	25.14	106.55	Open To Flow (1)
30	62.16	107.95	Shut-In (1)
75	962.95	110.16	End Shut-In (1)
76	71.56	109.80	Open To Flow (2)
137	87.21	111.65	Shut-In (2)
232	1033.39	114.49	End Shut-In (2)
233	1977.02	115.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	GCOCM 5%G 18%O 80%M	0.22
60.00	HGCOM 40%G 20%O 40%M	0.30
65.00	GCOCM 25%G 20%O 55%M	0.73
0.00	240' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26086

DST#: 4

Test Start: 2007.02.25 @ 09:57:29

Tool Information

Drill Pipe:	Length: 4132.00 ft	Diameter: 3.80 inches	Volume: 57.96 bbl	Tool Weight:	2100.00 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: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	58.57 bbl	Tool Chased	5.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	4259.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	107.00 ft				
Tool Length:	135.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4236.00	
Hydraulic tool	5.00			4241.00	
Jars	5.00			4246.00	
Safety Joint	3.00			4249.00	
Packer	5.00			4254.00	28.00 Bottom Of Top Packer
Packer	5.00			4259.00	
Stubb	1.00			4260.00	
Perforations	8.00			4268.00	
Recorder	0.00	6799	Inside	4268.00	
Blank Spacing	95.00			4363.00	
Recorder	0.00	3354	Outside	4363.00	
Bullnose	3.00			4366.00	107.00 Bottom Packers & Anchor

Total Tool Length: 135.00



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FLUID SUMMARY

Landmark Resources

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26086

DST#: 4

Test Start: 2007.02.25 @ 09:57:29

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 6.38 in³

Resistivity: ohm.m

Salinity: 2200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	GCOCM 5%G 18%O 80%M	0.221
60.00	HGCOM 40%G 20%O 40%M	0.295
65.00	GCOCM 25%G 20%O 55%M	0.730
0.00	240' GIP	0.000

Total Length: 170.00 ft

Total Volume: 1.246 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

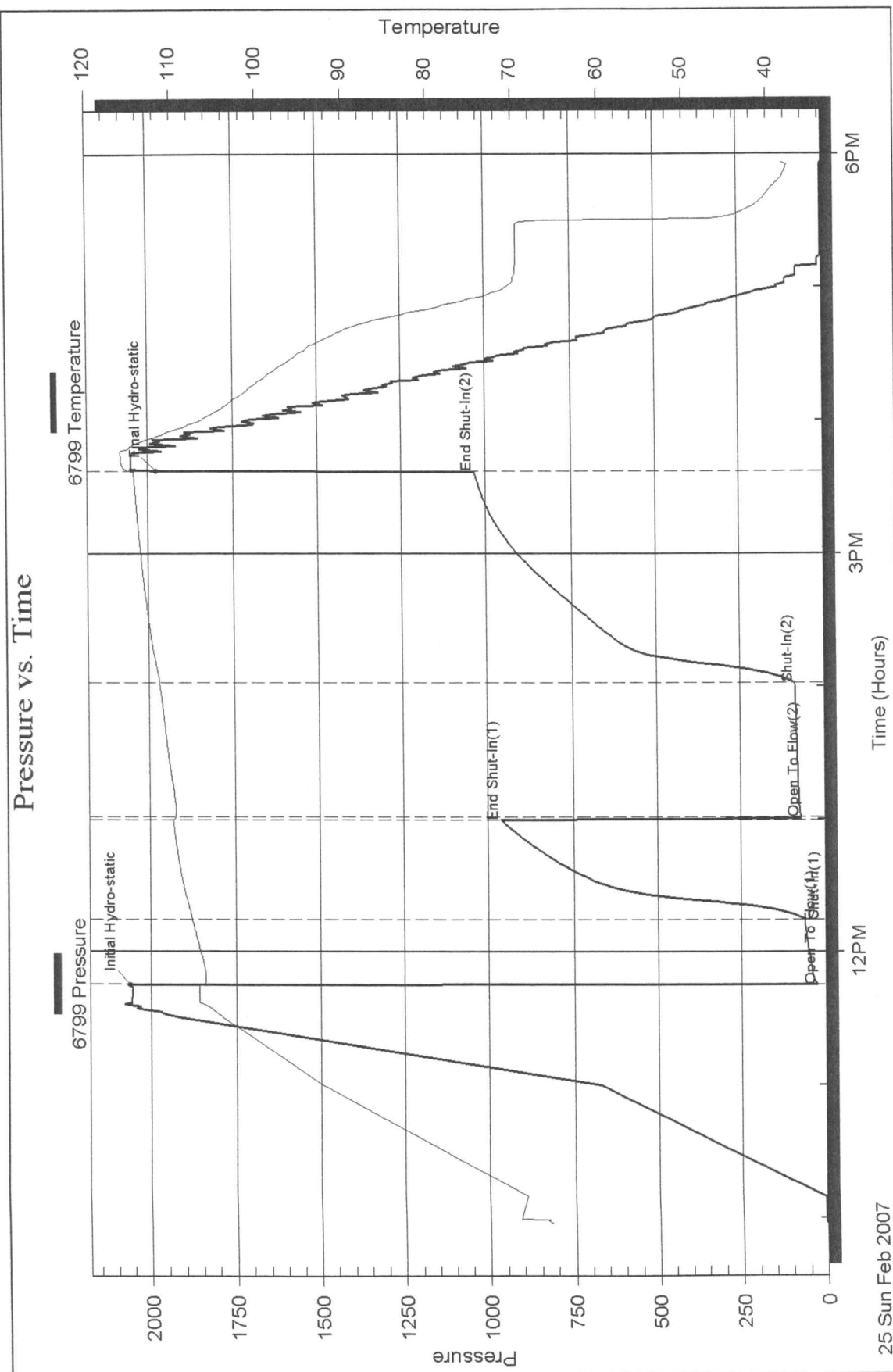
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

4 12S 30W Gove KS

Vollbracht #1-4

Start Date: 2007.02.26 @ 19:58:43

End Date: 2007.02.27 @ 02:50:52

Job Ticket #: 26087

DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26087

DST#: 5

Test Start: 2007.02.26 @ 19:58:43

GENERAL INFORMATION:

Formation: "L"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:54:53

Time Test Ended: 02:50:52

Test Type: Conventional Straddle

Tester: Jake Fahrenbruch

Unit No: 22

Interval: 4076.00 ft (KB) To 4154.00 ft (KB) (TVD)

Total Depth: 4487.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2835.00 ft (KB)

2830.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 65.13 psig @ 4077.00 ft (KB)

Start Date: 2007.02.26

End Date:

2007.02.27

Start Time: 19:58:45

End Time:

02:50:53

Capacity: 7000.00 psig

Last Calib.: 2007.02.27

Time On Btm: 2007.02.26 @ 21:54:43

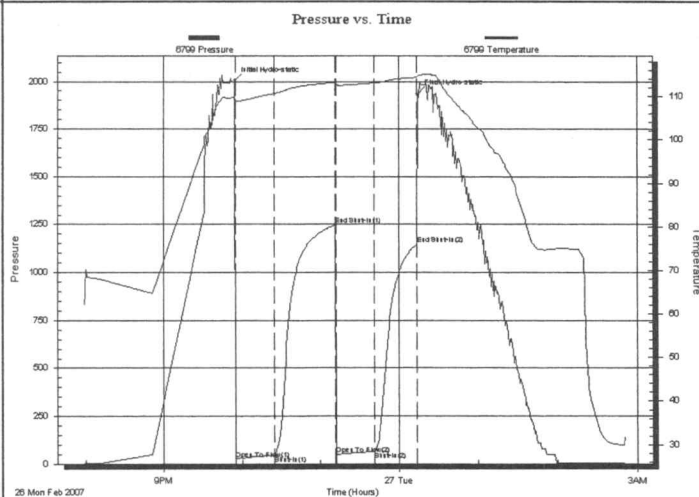
Time Off Btm: 2007.02.27 @ 00:14:43

TEST COMMENT: IF Weak blow built to 2.75 " in bucket

ISI Bled off no blow back

FF No blow

FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2004.53	109.78	Initial Hydro-static
1	24.36	109.09	Open To Flow (1)
30	45.84	110.68	Shut-In(1)
77	1247.65	113.21	End Shut-In(1)
78	49.56	112.77	Open To Flow (2)
107	65.13	113.09	Shut-In(2)
140	1147.93	114.40	End Shut-In(2)
140	1934.61	114.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	Drilling Mud 100%M	0.37

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26087

DST#: 5

Test Start: 2007.02.26 @ 19:58:43

Tool Information

Drill Pipe:	Length: 3945.00 ft	Diameter: 3.80 inches	Volume: 55.34 bbl	Tool Weight: 2100.00 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: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume: 55.95 bbl	Tool Chased 0.00 ft	String Weight: Initial 58000.00 lb
Drill Pipe Above KB:	22.00 ft			Final 58000.00 lb
Depth to Top Packer:	4076.00 ft			
Depth to Bottom Packer:	4154.00 ft			
Interval between Packers:	78.00 ft			
Tool Length:	437.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4053.00	
Hydraulic tool	5.00			4058.00	
Jars	5.00			4063.00	
Safety Joint	3.00			4066.00	
Packer	5.00			4071.00	28.00 Bottom Of Top Packer
Packer	5.00			4076.00	
Stubb	1.00			4077.00	
Recorder	0.00	6799	Inside	4077.00	
Perforations	7.00			4084.00	
Blank Spacing	65.00			4149.00	
Perforations	2.00			4151.00	
Recorder	0.00	3354	Outside	4151.00	
Blank Off Sub	3.00			4154.00	78.00 Tool Interval
Packer	3.00			4157.00	
Blank Spacing	310.00			4467.00	
Perforations	15.00			4482.00	
Recorder	0.00	10270	Fluid	4482.00	
Bullnose	3.00			4485.00	331.00 Bottom Packers & Anchor

Total Tool Length: 437.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources

1616 S Voss Ste 150
Houston TX 77057

ATTN: Mike Kidwell

Vollbracht #1-4

4 12S 30W Gove KS

Job Ticket: 26087

DST#: 5

Test Start: 2007.02.26 @ 19:58:43

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 6.38 in³

Resistivity: ohm.m

Salinity: 2200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	Drilling Mud 100%M	0.369

Total Length: 75.00 ft

Total Volume: 0.369 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

