



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **VJI Natural Res**

30-38-48th St
Astoria NY 11103

ATTN: Jason Dinges

31-8-24-Graham-Ks

Holley A-8

Start Date: 2003.08.11 @ 22:37:42

End Date: 2003.08.12 @ 05:04:12

Job Ticket #: 17275 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

VJI Natural Res

30-38-48th St
Astoria NY 11103

ATTN: Jason Dinges

Holley A-8

31-8-24-Graham-Ks

Job Ticket: 17275

DST#: 1

Test Start: 2003.08.11 @ 22:37:42

GENERAL INFORMATION:

Formation: **B LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:34:12

Time Test Ended: 05:04:12

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3805.00 ft (KB) To 3830.00 ft (KB) (TVD)**

Total Depth: 3830.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2465.00 ft (KB)

2460.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Inside

Press@RunDepth: 403.93 psig @ 3806.00 ft (KB)

Start Date: 2003.08.11

End Date:

2003.08.12

Capacity: 7000.00 psig

Last Calib.: 2003.08.12

Start Time: 22:37:43

End Time:

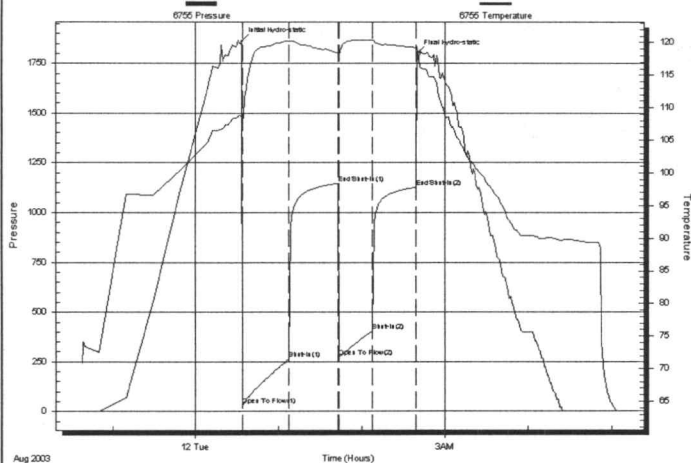
05:04:12

Time On Btm: 2003.08.12 @ 00:33:42

Time Off Btm: 2003.08.12 @ 02:39:42

TEST COMMENT: IF-Strong BOB in 7 min
FFStrong BOB in 10 min
Times-30-30-30-30

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1861.36	108.65	Initial Hydro-static
1	29.57	107.83	Open To Flow (1)
34	263.90	120.19	Shut-In (1)
70	1147.06	118.40	End Shut-In (1)
70	270.73	118.04	Open To Flow (2)
94	403.93	120.37	Shut-In (2)
125	1127.15	119.16	End Shut-In (2)
126	1800.57	119.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
745.00	Mdy Wtr 20% m 80% w	10.46
0.00	Rw .38 @ 80F	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

VJI Natural Res

Holley A-8

30-38-48th St
Astoria NY 11103

31-8-24-Graham-Ks

Job Ticket: 17275

DST#: 1

ATTN: Jason Dinges

Test Start: 2003.08.11 @ 22:37:42

Tool Information

Drill Pipe:	Length: 3699.00 ft	Diameter: 3.80 inches	Volume: 51.89 bbl	Tool Weight:	1800.00 lb
Heavy Wt. Pipe:	Length: 95.00 ft	Diameter: 3.82 inches	Volume: 1.35 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	45000.00 lb
			Total Volume: 53.24 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3805.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	46.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			3785.00	
S.I. Tool	5.00			3790.00	
HMV	5.00			3795.00	
Packer	5.00			3800.00	21.00 Bottom Of Top Packer
Packer	5.00			3805.00	
Stubb	1.00			3806.00	
Recorder	0.00	6755	Inside	3806.00	
Perforations	21.00			3827.00	
Recorder	0.00	13254	Outside	3827.00	
Bullnose	3.00			3830.00	25.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

VJI Natural Res

Holley A-8

30-38-48th St
Astoria NY 11103

31-8-24-Graham-Ks

Job Ticket: 17275

DST#: 1

ATTN: Jason Dinges

Test Start: 2003.08.11 @ 22:37:42

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: 16000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
745.00	Mdy Wtr 20%m 80%w	10.464
0.00	Rw .38 @ 80F	0.000

Total Length: 745.00 ft

Total Volume: 10.464 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

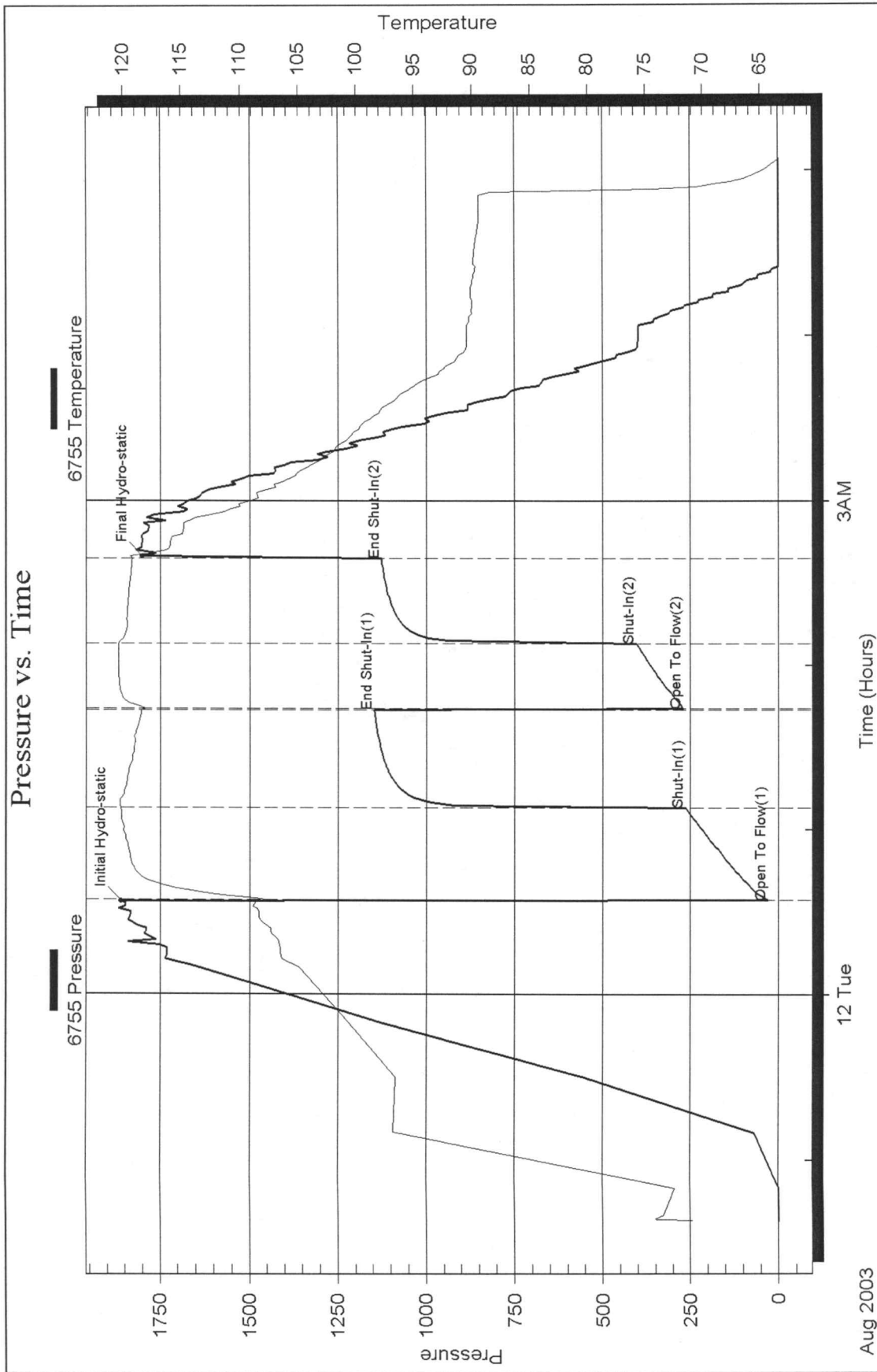
Serial #: 6755

Inside

V/J Natural Res

31-8-24-Graham-Ks

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **VJI Natural Res**

30-38-48th St
Astoria NY 11103

ATTN: Jason Dinges

31-8-24-Graham-Ks

Holley A-8

Start Date: 2003.08.12 @ 17:30:36

End Date: 2003.08.12 @ 22:20:06

Job Ticket #: 16151 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

VJI Natural Res

30-38-48th St
Astoria NY 11103

ATTN: Jason Dinges

Holley A-8

31-8-24-Graham-Ks

Job Ticket: 16151

DST#: 2

Test Start: 2003.08.12 @ 17:30:36

GENERAL INFORMATION:

Formation: **C-D LKC**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 19:00:36

Time Test Ended: 22:20:06

Test Type: Conventional Straddle

Tester: Dan Bangle

Unit No: 21

Interval: 3829.00 ft (KB) To 3845.00 ft (KB) (TVD)

Total Depth: 3880.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2465.00 ft (KB)

2460.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755 Inside

Press@RunDepth: 22.34 psig @ 3830.00 ft (KB)

Start Date: 2003.08.12

End Date:

2003.08.12

Start Time: 19:00:37

End Time:

23:42:06

Capacity: 7000.00 psig

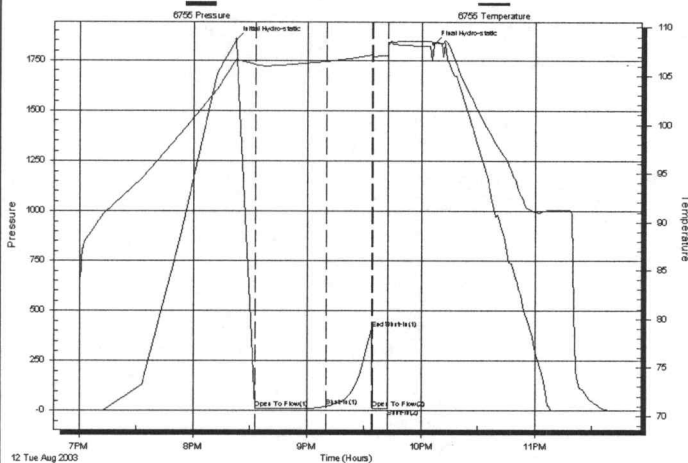
Last Calib.: 2003.08.12

Time On Btm: 2003.08.12 @ 20:22:36

Time Off Btm: 2003.08.12 @ 22:06:36

TEST COMMENT: IF-Weak died in 10 min
FF-No blow-flushed tool
Times-30-30-10

Pressure vs. Time



PRESSURE SUMMARY

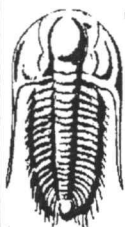
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1851.69	106.64	Initial Hydro-static
10	11.79	106.16	Open To Flow (1)
48	22.34	106.50	Shut-In(1)
72	410.94	107.16	End Shut-In(1)
72	10.71	106.86	Open To Flow (2)
80	12.75	107.13	Shut-In(2)
104	1831.94	108.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	DM	0.07

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

VJI Natural Res

Holley A-8

30-38-48th St
Astoria NY 11103

31-8-24-Graham-Ks

Job Ticket: 16151

DST#: 2

ATTN: Jason Dinges

Test Start: 2003.08.12 @ 17:30:36

Tool Information

Drill Pipe:	Length: 3714.00 ft	Diameter: 3.80 inches	Volume: 52.10 bbl	Tool Weight: 2800.00 lb
Heavy Wt. Pipe:	Length: 95.00 ft	Diameter: 3.82 inches	Volume: 1.35 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 53.45 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	1.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3829.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	3845.00 ft			
Interval between Packers:	16.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3809.00	
S.I. Tool	5.00			3814.00	
HMV	5.00			3819.00	
Packer	5.00			3824.00	21.00 Bottom Of Top Packer
Packer	5.00			3829.00	
Stubb	1.00			3830.00	
Recorder	0.00	6755	Inside	3830.00	
Perforations	11.00			3841.00	
Recorder	0.00	13254	Outside	3841.00	
Blank Off Sub	1.00			3842.00	
Extension Sub	3.00			3845.00	16.00 Tool Interval
Packer	2.00			3847.00	
Blank Spacing	30.00			3877.00	
Recorder	0.00	13248	Outside	3877.00	
Bullnose	3.00			3880.00	35.00 Bottom Packers & Anchor

Total Tool Length: 72.00



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FLUID SUMMARY

VJI Natural Res

Holley A-8

30-38-48th St
Astoria NY 11103

31-8-24-Graham-Ks

Job Ticket: 16151

DST#: 2

ATTN: Jason Dinges

Test Start: 2003.08.12 @ 17:30:36

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	DM	0.071

Total Length: 5.00 ft Total Volume: 0.071 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

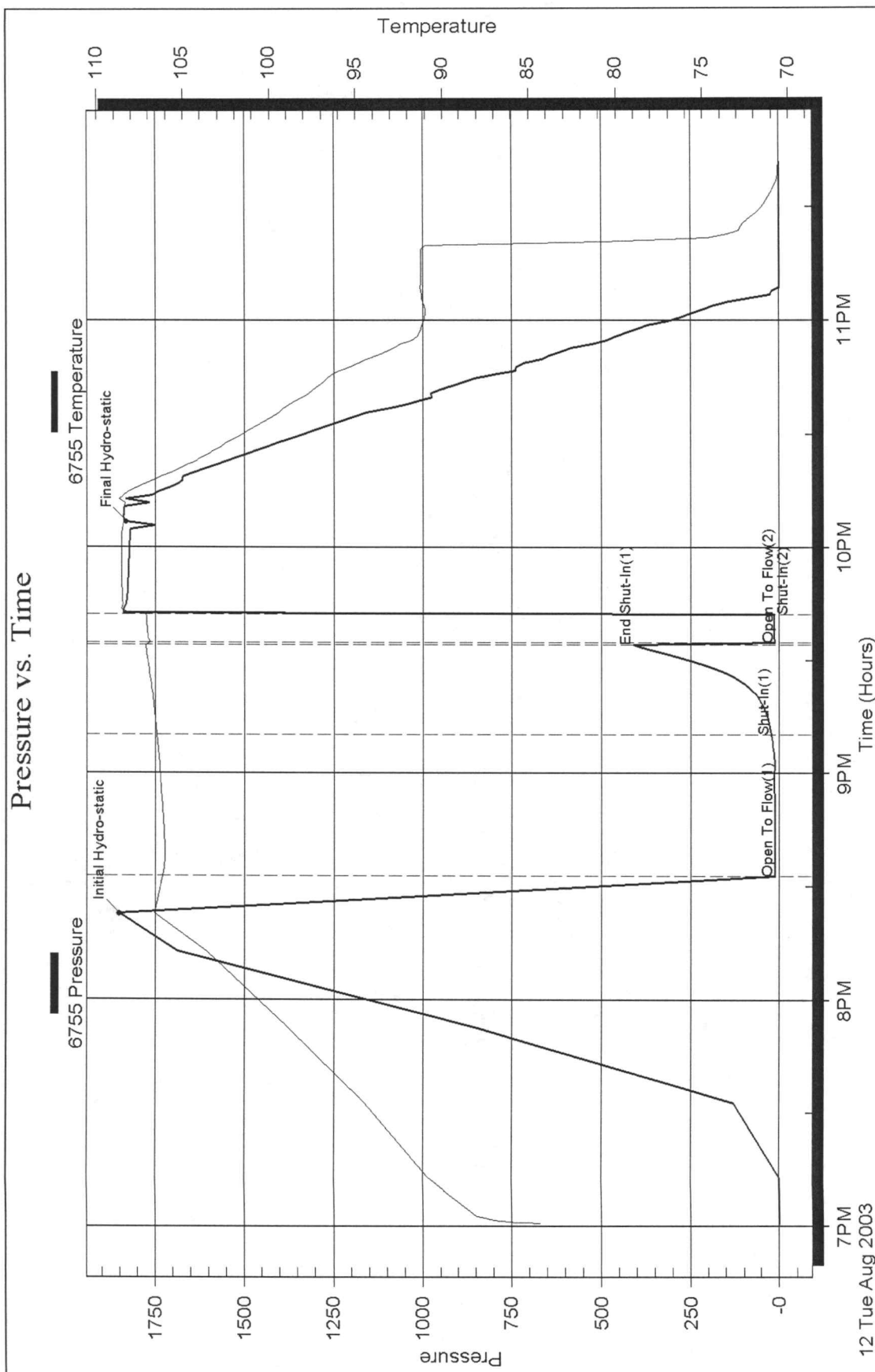
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **VJI Natural Res**

30-38-48th St
Astoria NY 11103

ATTN: Jason Dinges

31-8-24-Graham-Ks

Holley A-8

Start Date: 2003.08.13 @ 06:49:28

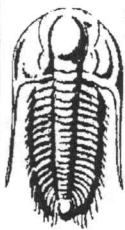
End Date: 2003.08.13 @ 11:08:28

Job Ticket #: 16152 DST #: 3

Trilobite Testing, Inc

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DRILL STEM TEST REPORT

VJI Natural Res

30-38-48th St
Astoria NY 11103

ATTN: Jason Dinges

Holley A-8

31-8-24-Graham-Ks

Job Ticket: 16152

DST#: 3

Test Start: 2003.08.13 @ 06:49:28

GENERAL INFORMATION:

Formation: **H LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:31:28

Time Test Ended: 11:08:28

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3894.00 ft (KB) To 3935.00 ft (KB) (TVD)**

Total Depth: 3935.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2465.00 ft (KB)

2460.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Inside

Press@RunDepth: 22.75 psig @ 3895.00 ft (KB)

Start Date: 2003.08.13

End Date:

2003.08.13

Capacity: 7000.00 psig

Last Calib.: 2003.08.13

Start Time: 06:49:29

End Time:

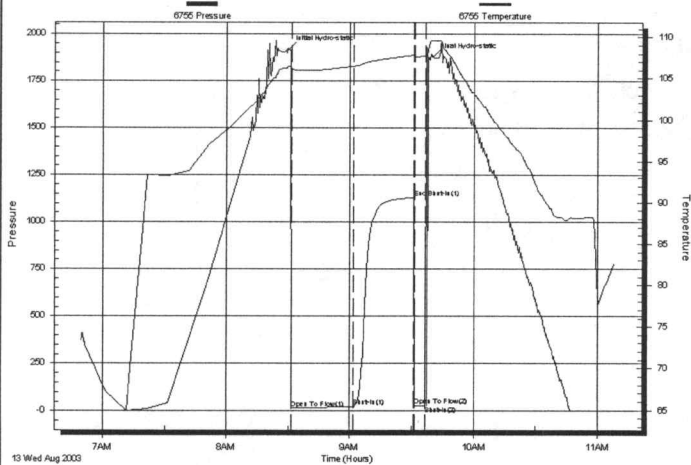
11:08:28

Time On Btm: 2003.08.13 @ 08:29:58

Time Off Btm: 2003.08.13 @ 09:39:58

TEST COMMENT: IF-Weak died in 25 min
FF-No blow -flushed tool
Times-30-30-15

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1917.54	106.46	Initial Hydro-static
2	14.63	105.97	Open To Flow (1)
32	22.75	106.48	Shut-In(1)
61	1129.46	107.84	End Shut-In(1)
62	25.35	107.54	Open To Flow (2)
67	26.72	107.72	Shut-In(2)
70	1879.74	109.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	DM	0.14

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

VJI Natural Res

Holley A-8

30-38-48th St
Astoria NY 11103

31-8-24-Graham-Ks

Job Ticket: 16152

DST#: 3

ATTN: Jason Dinges

Test Start: 2003.08.13 @ 06:49:28

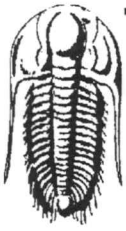
Tool Information

Drill Pipe:	Length: 3793.00 ft	Diameter: 3.80 inches	Volume: 53.21 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 95.00 ft	Diameter: 3.82 inches	Volume: 1.35 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume: 54.56 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3894.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3874.00	
S.I. Tool	5.00			3879.00	
HMV	5.00			3884.00	
Packer	5.00			3889.00	21.00 Bottom Of Top Packer
Packer	5.00			3894.00	
Stubb	1.00			3895.00	
Recorder	0.00	6755	Inside	3895.00	
Perforations	37.00			3932.00	
Recorder	0.00	13254	Outside	3932.00	
Bullnose	3.00			3935.00	41.00 Bottom Packers & Anchor
Total Tool Length:	62.00				



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

VJI Natural Res

Holley A-8

30-38-48th St
Astoria NY 11103

31-8-24-Graham-Ks

Job Ticket: 16152

DST#: 3

ATTN: Jason Dinges

Test Start: 2003.08.13 @ 06:49:28

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	DM	0.142

Total Length: 10.00 ft

Total Volume: 0.142 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

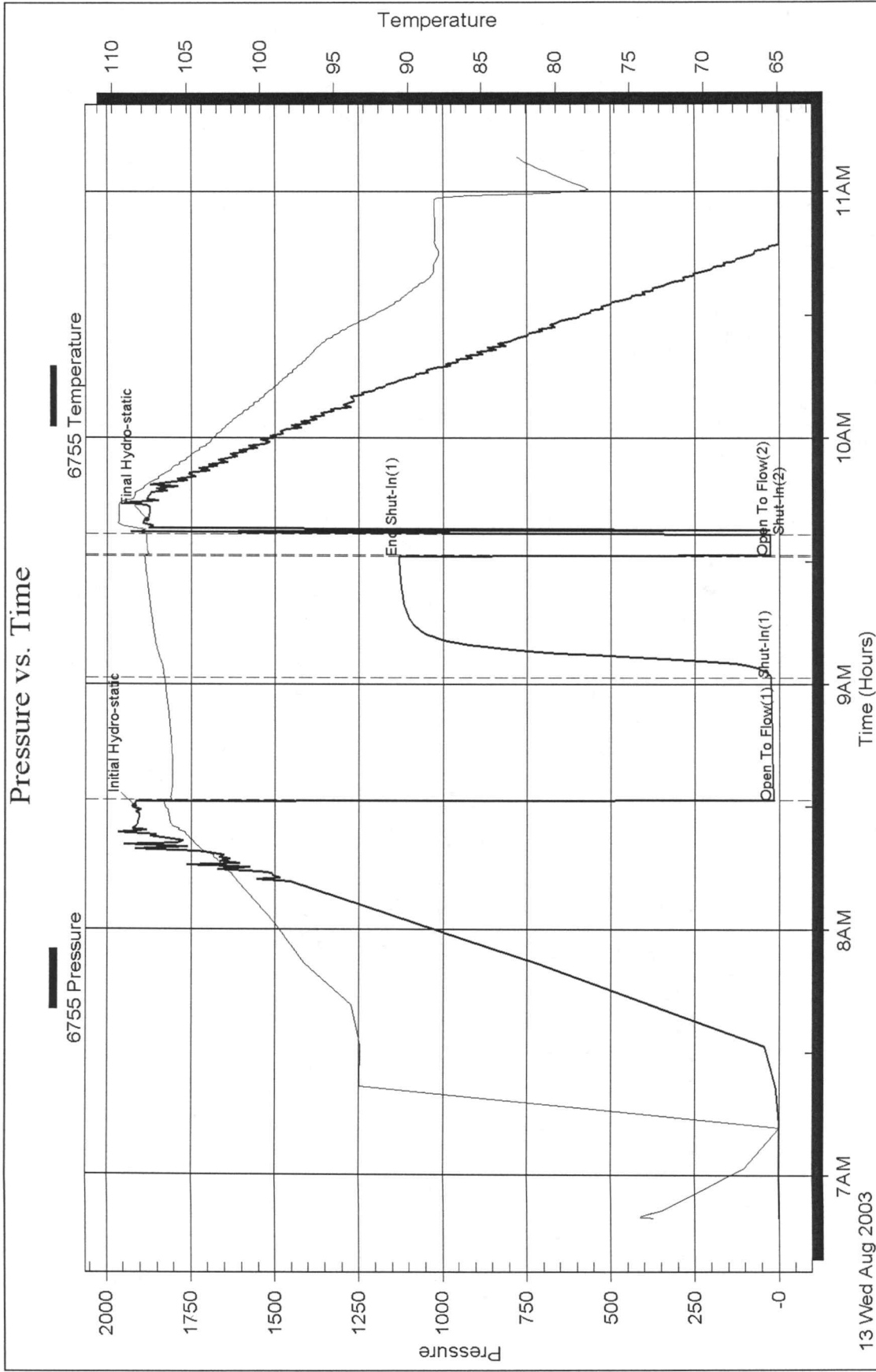
Serial #:

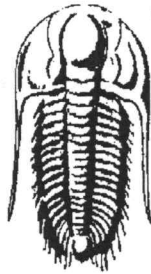
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
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DRILL STEM TEST REPORT

Prepared For: **VJI Natural Res**

30-38-48th St
Astoria NY 11103

ATTN: Jason Dinges

31-8-24-Graham-Ks

Holley A-8

Start Date: 2003.08.13 @ 18:10:34

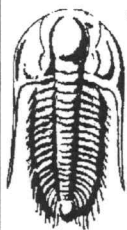
End Date: 2003.08.13 @ 22:17:34

Job Ticket #: 16153 DST #: 4

Trilobite Testing, Inc

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



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DRILL STEM TEST REPORT

VJI Natural Res

30-38-48th St
Astoria NY 11103

ATTN: Jason Dinges

Holley A-8

31-8-24-Graham-Ks

Job Ticket: 16153

DST#: 4

Test Start: 2003.08.13 @ 18:10:34

GENERAL INFORMATION:

Formation: **I LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:40:34

Time Test Ended: 22:17:34

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3930.00 ft (KB) To 3954.00 ft (KB) (TVD)**

Total Depth: 3954.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2465.00 ft (KB)

2460.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755 Inside

Press@RunDepth: 14.94 psig @ 3931.00 ft (KB)

Start Date: 2003.08.13

End Date:

2003.08.13

Start Time: 18:10:35

End Time:

22:17:34

Capacity: 7000.00 psig

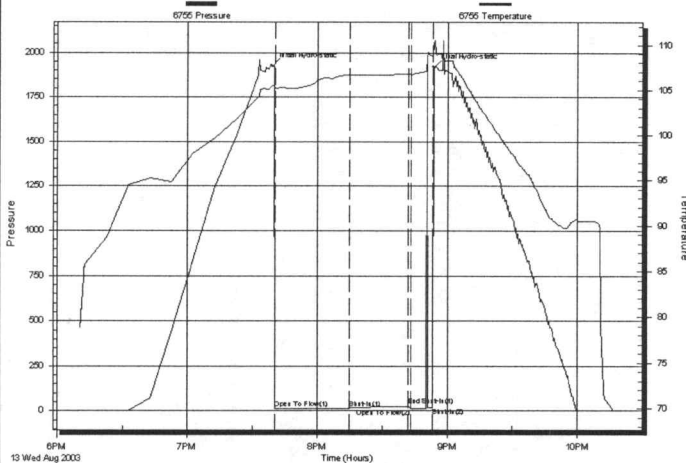
Last Calib.: 2003.08.13

Time On Btm: 2003.08.13 @ 19:39:04

Time Off Btm: 2003.08.13 @ 20:53:34

TEST COMMENT: IF-Weak died in 14 min
FF-No blow-flushed tool
Times-30-30-15

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1925.18	105.49	Initial Hydro-static
2	11.96	105.16	Open To Flow (1)
36	14.94	106.67	Shut-In(1)
63	28.38	106.81	End Shut-In(1)
64	15.05	106.65	Open To Flow (2)
74	17.89	108.79	Shut-In(2)
75	1919.41	110.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	DM	0.14

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

VJI Natural Res

Holley A-8

30-38-48th St
Astoria NY 11103

31-8-24-Graham-Ks

Job Ticket: 16153

DST#: 4

ATTN: Jason Dinges

Test Start: 2003.08.13 @ 18:10:34

Tool Information

Drill Pipe:	Length: 3825.00 ft	Diameter: 3.80 inches	Volume: 53.65 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 95.00 ft	Diameter: 3.82 inches	Volume: 1.35 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 55.00 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3930.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	45.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3910.00	
S.I. Tool	5.00			3915.00	
HMV	5.00			3920.00	
Packer	5.00			3925.00	21.00 Bottom Of Top Packer
Packer	5.00			3930.00	
Stubb	1.00			3931.00	
Recorder	0.00	6755	Inside	3931.00	
Perforations	20.00			3951.00	
Recorder	0.00	13254	Outside	3951.00	
Bullnose	3.00			3954.00	24.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

VJI Natural Res

Holley A-8

30-38-48th St
Astoria NY 11103

31-8-24-Graham-Ks

Job Ticket: 16153

DST#: 4

ATTN: Jason Dinges

Test Start: 2003.08.13 @ 18:10:34

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: 7.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	DM	0.142

Total Length: 10.00 ft

Total Volume: 0.142 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

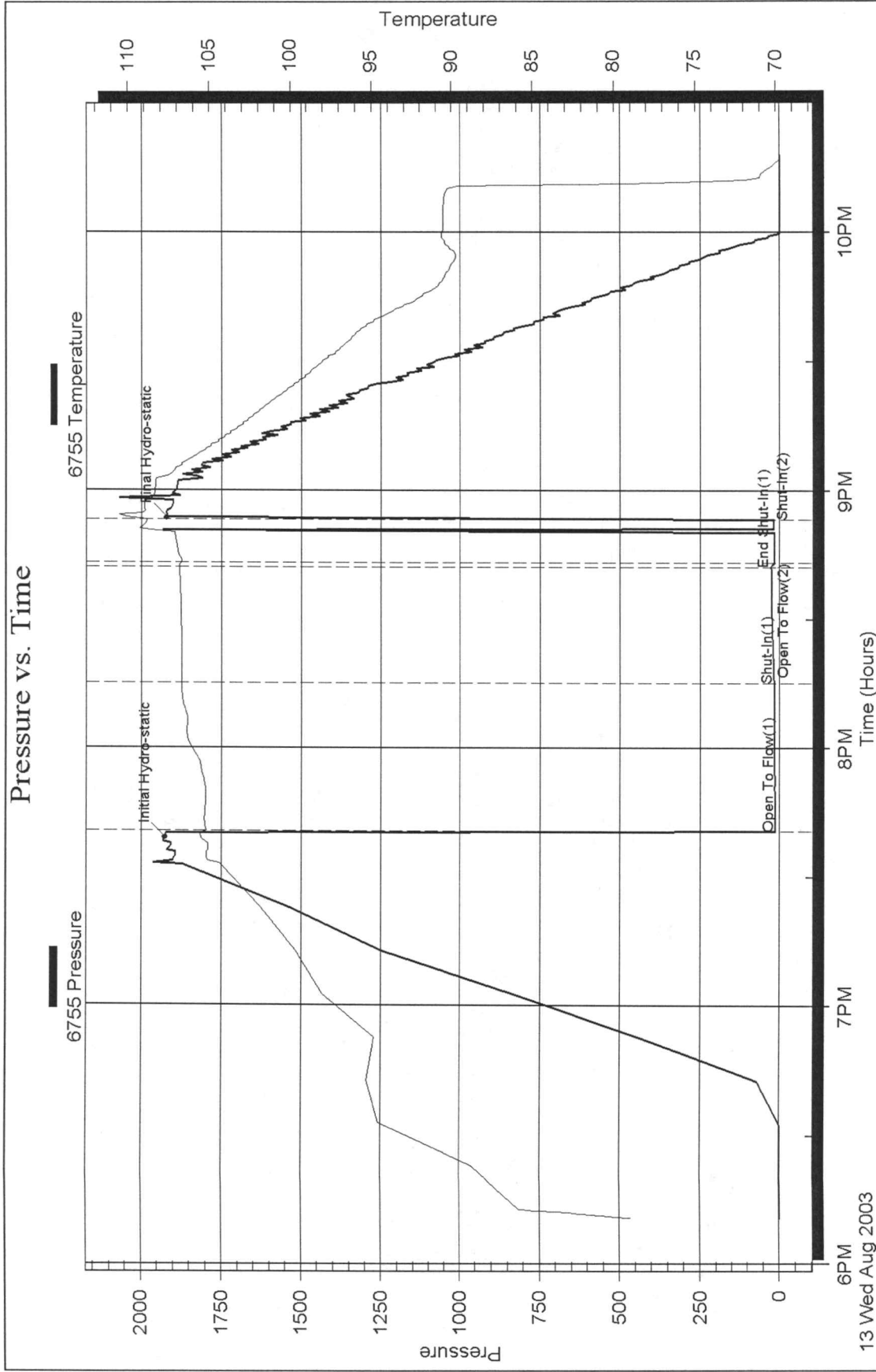
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **VJI Natural Res**

30-38-48th St
Astoria NY 11103

ATTN: Jason Dinges

31-8-24-Graham-Ks

Holley A-8

Start Date: 2003.08.14 @ 06:15:48

End Date: 2003.08.14 @ 13:04:18

Job Ticket #: 16154 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

VJI Natural Res

30-38-48th St
Astoria NY 11103

ATTN: Jason Dinges

Holley A-8

31-8-24-Graham-Ks

Job Ticket: 16154

DST#: 5

Test Start: 2003.08.14 @ 06:15:48

GENERAL INFORMATION:

Formation: **J LKC**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 08:19:18

Time Test Ended: 13:04:18

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: 3931.00 ft (KB) To 3975.00 ft (KB) (TVD)

Total Depth: 3975.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2465.00 ft (KB)

2460.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Inside

Press@RunDepth: 63.57 psig @ 3932.00 ft (KB)

Start Date: 2003.08.14

End Date:

2003.08.14

Start Time: 06:15:49

End Time:

13:04:18

Capacity: 7000.00 psig

Last Calib.: 2003.08.14

Time On Btm: 2003.08.14 @ 08:16:18

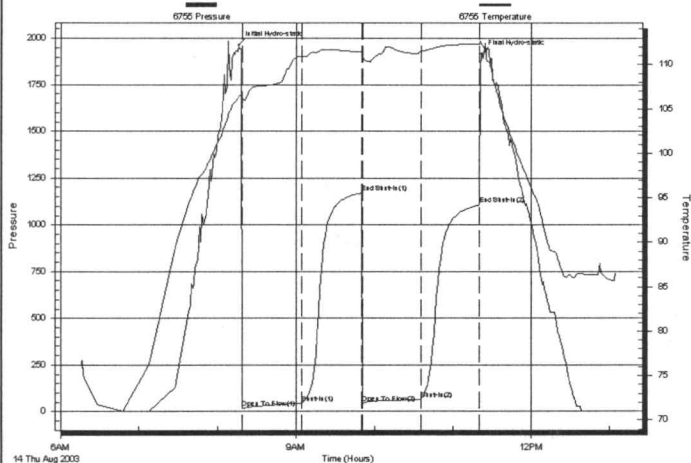
Time Off Btm: 2003.08.14 @ 11:21:48

TEST COMMENT: IF-Weak building to 6" fair blow

FF-Weak building to 4" blow

Times-45-45-45-45

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1962.79	106.21	Initial Hydro-static
3	16.01	106.06	Open To Flow (1)
49	45.27	110.90	Shut-In (1)
94	1171.82	111.41	End Shut-In (1)
95	45.48	110.90	Open To Flow (2)
139	63.57	111.49	Shut-In (2)
184	1108.39	112.37	End Shut-In (2)
186	1918.18	112.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	OCM 30%o 70%rm	1.49
10.00	CO	0.14
0.00	186 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

VJI Natural Res

Holley A-8

30-38-48th St
Astoria NY 11103

31-8-24-Graham-Ks

Job Ticket: 16154

DST#: 5

ATTN: Jason Dinges

Test Start: 2003.08.14 @ 06:15:48

Tool Information

Drill Pipe:	Length: 3825.00 ft	Diameter: 3.80 inches	Volume: 53.65 bbl	Tool Weight: 2800.00 lb
Heavy Wt. Pipe:	Length: 95.00 ft	Diameter: 3.82 inches	Volume: 1.35 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 55.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3931.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	65.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3911.00	
S.I. Tool	5.00			3916.00	
HMV	5.00			3921.00	
Packer	5.00			3926.00	21.00 Bottom Of Top Packer
Packer	5.00			3931.00	
Stubb	1.00			3932.00	
Recorder	0.00	6755	Inside	3932.00	
Perforations	40.00			3972.00	
Recorder	0.00	13254	Outside	3972.00	
Bullnose	3.00			3975.00	44.00 Bottom Packers & Anchor
Total Tool Length:	65.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

VJI Natural Res

Holley A-8

30-38-48th St
Astoria NY 11103

31-8-24-Graham-Ks

Job Ticket: 16154

DST#: 5

ATTN: Jason Dinges

Test Start: 2003.08.14 @ 06:15:48

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	OCM 30%o 70%m	1.487
10.00	CO	0.140
0.00	186 GIP	0.000

Total Length: 115.00 ft

Total Volume: 1.627 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

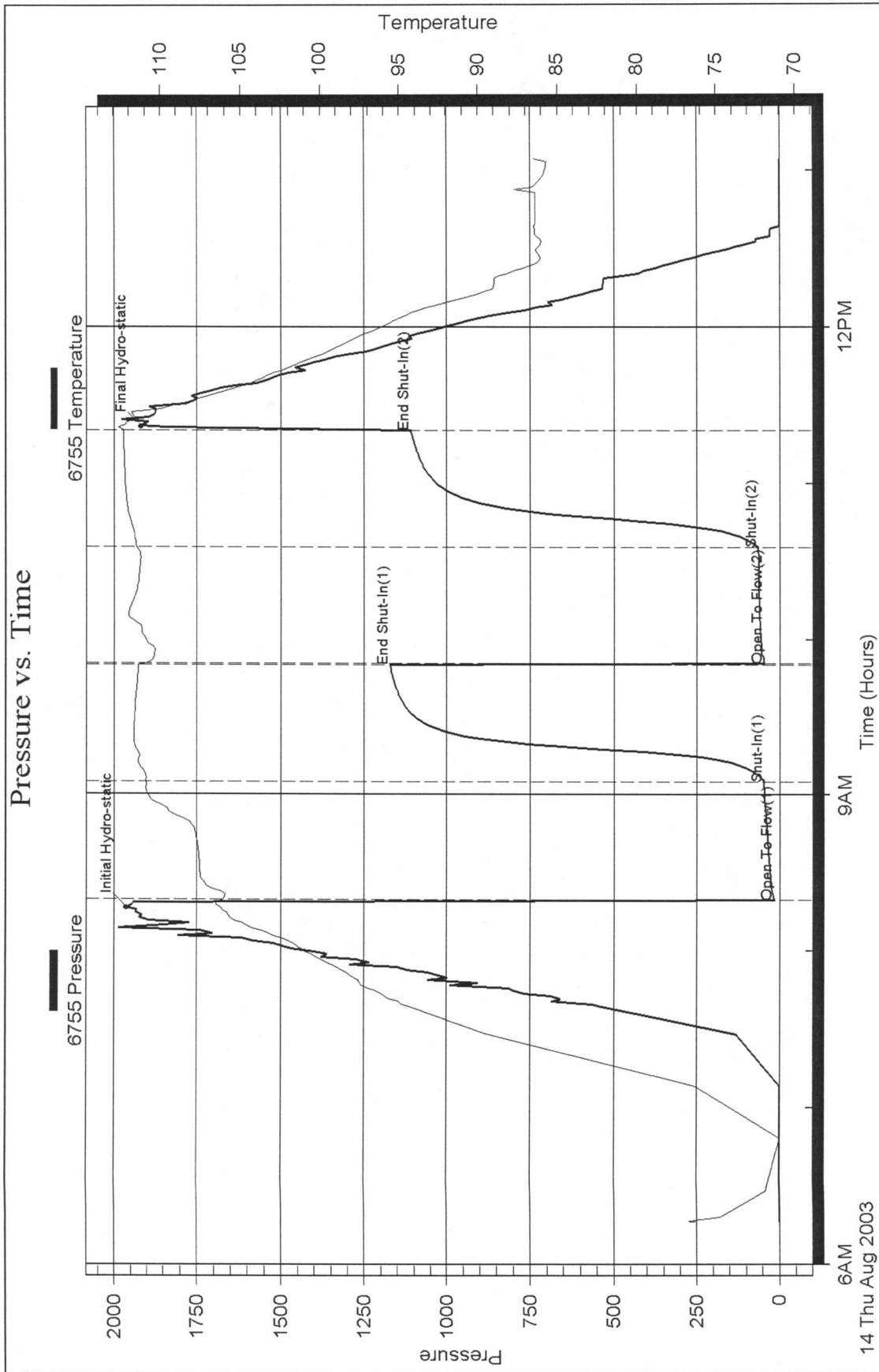
Serial #: 6755

Inside

V/JI Natural Res

31-8-24-Graham-Ks

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **VJI Natural Res**

30-38-48th St
Astoria NY 11103

ATTN: Jason Dinges

31-8-24-Graham-Ks

Holley A-8

Start Date: 2003.08.14 @ 19:46:14

End Date: 2003.08.15 @ 00:01:14

Job Ticket #: 16155 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

VJI Natural Res

30-38-48th St
Astoria NY 11103

ATTN: Jason Dinges

Holley A-8

31-8-24-Graham-Ks

Job Ticket: 16155

DST#: 6

Test Start: 2003.08.14 @ 19:46:14

GENERAL INFORMATION:

Formation: **K LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:08:14

Time Test Ended: 00:01:14

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: 3971.00 ft (KB) To 3995.00 ft (KB) (TVD)

Total Depth: 3995.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2465.00 ft (KB)

2460.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Inside

Press@RunDepth: 12.89 psig @ 3972.00 ft (KB)

Start Date: 2003.08.14

End Date:

2003.08.15

Start Time: 19:46:15

End Time:

00:01:14

Capacity: 7000.00 psig

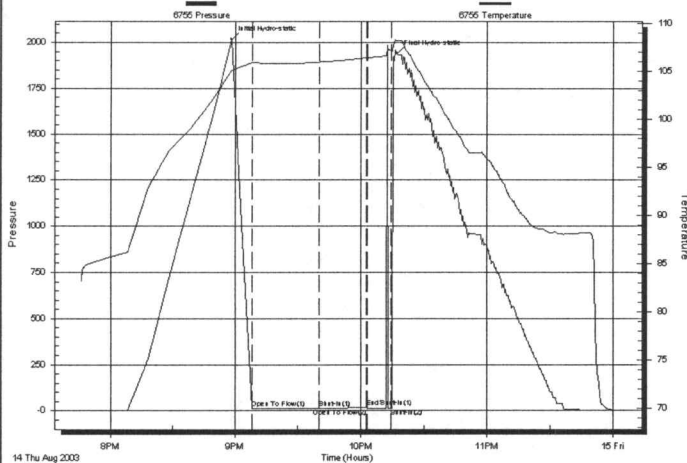
Last Calib.: 2003.08.15

Time On Btm: 2003.08.14 @ 20:58:14

Time Off Btm: 2003.08.14 @ 22:17:14

TEST COMMENT: IF-Weak died in 12 min
FF-No blow-flushed tool
Times-30-30-15

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2016.42	105.10	Initial Hydro-static
10	12.65	105.94	Open To Flow (1)
42	12.89	105.97	Shut-In(1)
65	17.04	106.42	End Shut-In(1)
65	11.89	106.43	Open To Flow (2)
76	13.61	107.15	Shut-In(2)
79	1939.60	108.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	DM	0.07

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

VJI Natural Res

Holley A-8

30-38-48th St
Astoria NY 11103

31-8-24-Graham-Ks

Job Ticket: 16155

DST#: 6

ATTN: Jason Dinges

Test Start: 2003.08.14 @ 19:46:14

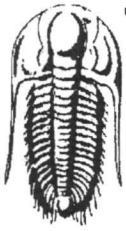
Tool Information

Drill Pipe:	Length: 3857.00 ft	Diameter: 3.80 inches	Volume: 54.10 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 95.00 ft	Diameter: 3.82 inches	Volume: 1.35 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	45000.00 lb
			Total Volume: 55.45 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3971.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	45.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			3951.00	
S.I. Tool	5.00			3956.00	
HMV	5.00			3961.00	
Packer	5.00			3966.00	21.00 Bottom Of Top Packer
Packer	5.00			3971.00	
Stubb	1.00			3972.00	
Recorder	0.00	6755	Inside	3972.00	
Perforations	20.00			3992.00	
Recorder	0.00	13254	Outside	3992.00	
Bullnose	3.00			3995.00	24.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

VJI Natural Res

Holley A-8

30-38-48th St
Astoria NY 11103

31-8-24-Graham-Ks

Job Ticket: 16155

DST#: 6

ATTN: Jason Dinges

Test Start: 2003.08.14 @ 19:46:14

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	DM	0.071

Total Length: 5.00 ft

Total Volume: 0.071 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6755

Inside

V/J Natural Res

31-8-24-Graham-Ks

DST Test Number: 6

