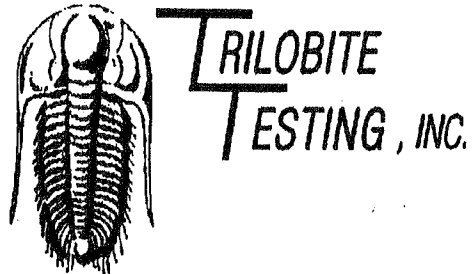


2-13s-18w

IND



DRILL STEM TEST REPORT

Prepared For: **Damar Resources**

PO Box 70
Hays, KS 67601

ATTN: Randy Killian

5-051-25921

2-13s-18w Ellis KS

Haddock D-1

Start Date: 2009.10.20 @ 21:10:47

End Date: 2009.10.21 @ 04:38:17

Job Ticket #: 35572

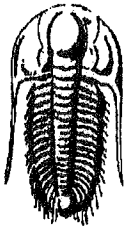
DST #: 1

SW NW NE NW

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Damar Resources

PO Box 70
Hays, KS 67601

ATTN: Randy Killian

Haddock D-1

2-13s-18w Ellis KS

Job Ticket: 35572

DST#: 1

Test Start: 2009.10.20 @ 21:10:47

GENERAL INFORMATION:

Formation: **Toronto-LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:13:17

Time Test Ended: 04:38:17

Interval: **3295.00 ft (KB) To 3385.00 ft (KB) (TVD)**

Total Depth: 3385.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Reference Elevations: 2076.00 ft (KB)

2071.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press@RunDepth: 201.85 psig @ 3301.00 ft (KB)

Start Date: 2009.10.20

End Date:

2009.10.21

Capacity: 8000.00 psig

Last Calib.: 2009.10.21

Start Time: 21:10:52

End Time:

04:38:16

Time On Btm: 2009.10.20 @ 23:12:47

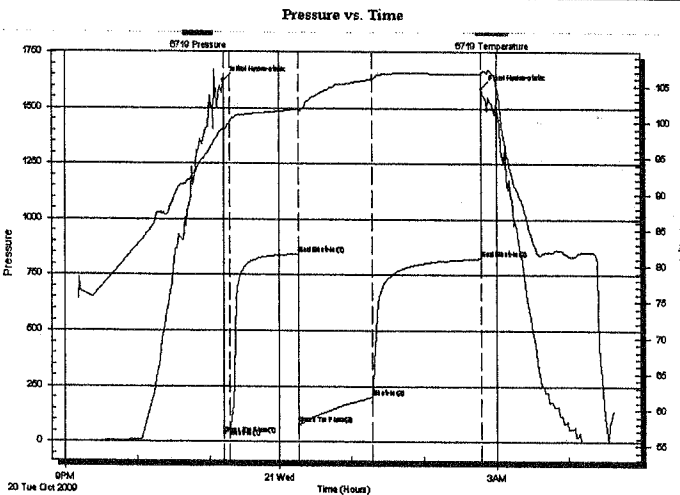
Time Off Btm: 2009.10.21 @ 02:48:01

TEST COMMENT: IFP-Blow built to 10"

IS-no blow back

FFP-BOB in 3 min

FSI-BOB in 18 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1624.78	99.07	Initial Hydro-static
1	30.04	98.80	Open To Flow (1)
6	58.31	100.04	Shut-In (1)
65	843.87	101.83	End Shut-In (1)
65	79.17	101.64	Open To Flow (2)
126	201.85	106.04	Shut-In (2)
215	824.10	106.75	End Shut-In (2)
216	1588.80	106.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
390.00	GMCO 20%G,60%O,20%M	5.25
45.00	OCM 20%O,80%M	0.64
0.00	1365/ GIP	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Damar Resources

Haddock D-1

PO Box 70
Hays, KS 67601

2-13s-18w Ellis KS

Job Ticket: 35572

DST#: 1

ATTN: Randy Killian

Test Start: 2009.10.20 @ 21:10:47

Tool Information

Drill Pipe:	Length: 3266.00 ft	Diameter: 3.82 inches	Volume: 46.30 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	46.45 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3295.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	90.00 ft				
Tool Length:	111.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3275.00	
Shut In Tool	5.00			3280.00	
Hydraulic tool	5.00			3285.00	
Packer	5.00			3290.00	21.00 Bottom Of Top Packer
Packer	5.00			3295.00	
Stubb	1.00			3296.00	
Perforations	4.00			3300.00	
Change Over Sub	1.00			3301.00	
Recorder	0.00	6719	Inside	3301.00	
Recorder	0.00	6669	Inside	3301.00	
Blank Spacing	63.00			3364.00	
Change Over Sub	1.00			3365.00	
Perforations	17.00			3382.00	
Bullnose	3.00			3385.00	90.00 Bottom Packers & Anchor

Total Tool Length: 111.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Damar Resources

Haddock D-1

PO Box 70
Hays, KS 67601

2-13s-18w Ellis KS

Job Ticket: 35572

DST#: 1

ATTN: Randy Killian

Test Start: 2009.10.20 @ 21:10:47

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

32 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
390.00	GMCO 20%G,60%O,20%M	5.251
45.00	OCM 20%O,80%M	0.638
0.00	1365/ GIP	0.000

Total Length: 435.00 ft

Total Volume: 5.889 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

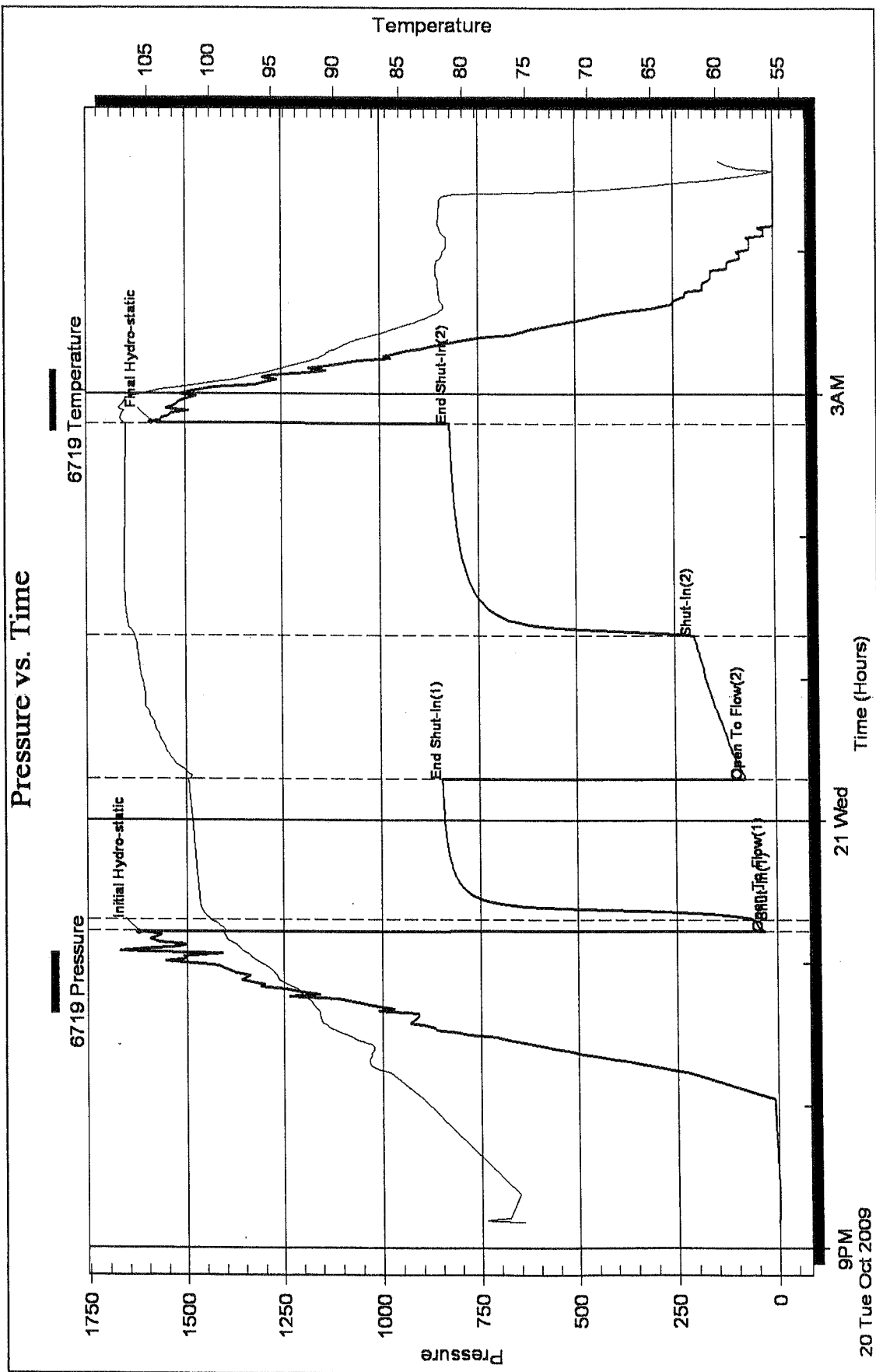
Serial #:

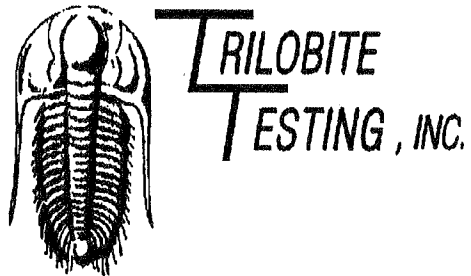
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Damar Resources**

PO Box 70
Hays, KS 67601

ATTN: Randy Killian

2-13s-18w Ellis KS

Haddock D-1

Start Date: 2009.10.21 @ 11:32:45

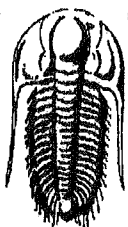
End Date: 2009.10.21 @ 18:53:00

Job Ticket #: 35573 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Damar Resources

PO Box 70
Hays, KS 67601

ATTN: Randy Killian

Haddock D-1

2-13s-18w Ellis KS

Job Ticket: 35573

DST#: 2

Test Start: 2009.10.21 @ 11:32:45

GENERAL INFORMATION:

Formation: **LKC "D-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:00:30

Time Test Ended: 18:53:00

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: **3384.00 ft (KB) To 3435.00 ft (KB) (TVD)**

Total Depth: 3435.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2076.00 ft (KB)

2071.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6669

Inside

Press@RunDepth: 269.03 psig @ 3390.00 ft (KB)

Start Date: 2009.10.21

End Date:

2009.10.21

Capacity: 8000.00 psig

Last Calib.: 2009.10.21

Start Time: 11:32:46

End Time:

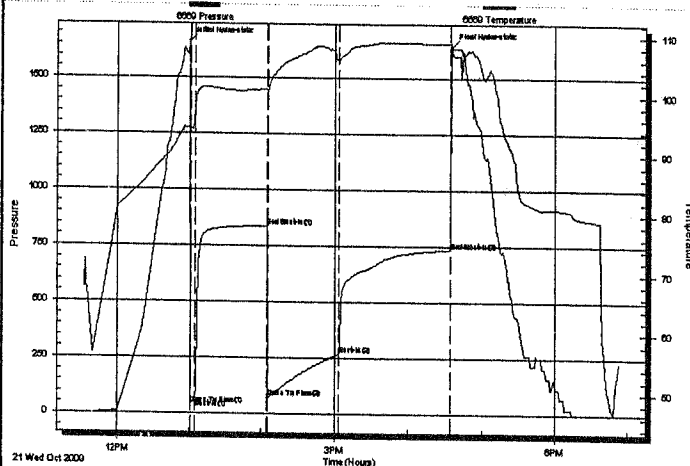
18:53:00

Time On Btm: 2009.10.21 @ 13:00:00

Time Off Btm: 2009.10.21 @ 16:35:45

TEST COMMENT: IFF-BOB in 3 min
ISI-Weak surface blow back throughout
FFP-BOB in 2 min
FSI-BOB in 9i min

Pressure vs. Time



PRESSURE SUMMARY

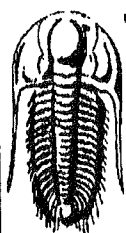
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1659.59	94.78	Initial Hydro-static
1	39.00	94.33	Open To Flow (1)
5	61.97	97.97	Shut-In (1)
65	837.54	101.10	End Shut-In (1)
65	74.87	100.76	Open To Flow (2)
124	269.03	106.12	Shut-In (2)
215	734.87	108.87	End Shut-In (2)
216	1640.10	108.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	OCWM 20%O, 10%W, 70%M	1.00
520.00	GCO 20%G, 80%O	7.37
0.00	1730' GIP	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Damar Resources

PO Box 70
Hays, KS 67601

ATTN: Randy Killian

Haddock D-1

2-13s-18w Ellis KS

Job Ticket: 35573

DST#: 2

Test Start: 2009.10.21 @ 11:32:45

Tool Information

Drill Pipe:	Length: 3360.00 ft	Diameter: 3.82 inches	Volume: 47.63 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	47.78 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3384.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	51.00 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
Change Over Sub	1.00			3364.00	
Shut In Tool	5.00			3369.00	
Hydraulic tool	5.00			3374.00	
Packer	5.00			3379.00	21.00 Bottom Of Top Packer
Packer	5.00			3384.00	
Stubb	1.00			3385.00	
Perforations	4.00			3389.00	
Change Over Sub	1.00			3390.00	
Recorder	0.00	6719	Inside	3390.00	
Recorder	0.00	6669	Inside	3390.00	
Blank Spacing	31.00			3421.00	
Change Over Sub	1.00			3422.00	
Perforations	10.00			3432.00	
Bullnose	3.00			3435.00	51.00 Bottom Packers & Anchor

Total Tool Length: 72.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Damar Resources

Haddock D-1

PO Box 70
Hays, KS 67601

2-13s-18w Ellis KS

Job Ticket: 35573

DST#: 2

ATTN: Randy Killian

Test Start: 2009.10.21 @ 11:32:45

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 9.08 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

31 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	OCWM 20%O,10%W,70%M	0.998
520.00	GCO 20%G,80%O	7.371
0.00	1730' GIP	0.000

Total Length: 610.00 ft

Total Volume: 8.369 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

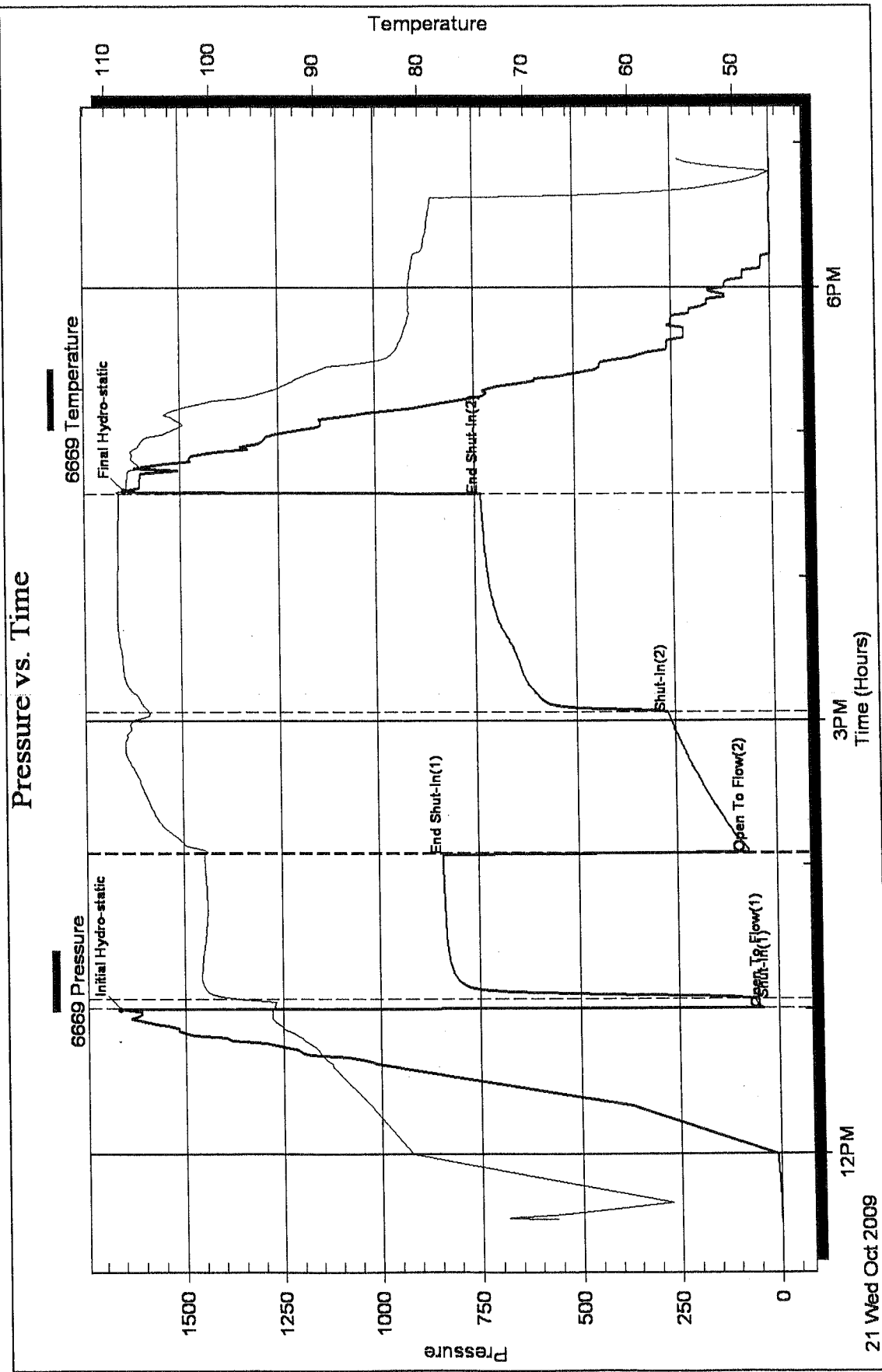
Serial #:

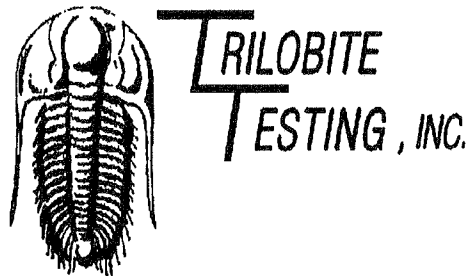
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Damar Resources**

PO Box 70
Hays, KS 67601

ATTN: Randy Killian

2-13s-18w Ellis KS

Haddock D-1

Start Date: 2009.10.22 @ 16:58:54

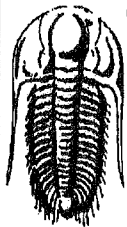
End Date: 2009.10.23 @ 01:41:24

Job Ticket #: 35574 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Damar Resources

PO Box 70
Hays, KS 67601

ATTN: Randy Killian

Haddock D-1

2-13s-18w Ellis KS

Job Ticket: 35574

DST#: 3

Test Start: 2009.10.22 @ 16:58:54

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:51:54

Time Test Ended: 01:41:24

Test Type: Conventional Straddle

Tester: Tyson Flax

Unit No: 44

Interval: **3587.00 ft (KB) To 3633.00 ft (KB) (TVD)**

Total Depth: 3672.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2076.00 ft (KB)

2071.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6669

Inside

Press@RunDepth: 629.73 psig @ 3593.00 ft (KB)

Start Date: 2009.10.22 End Date: 2009.10.23

Start Time: 16:58:55 End Time: 01:41:24

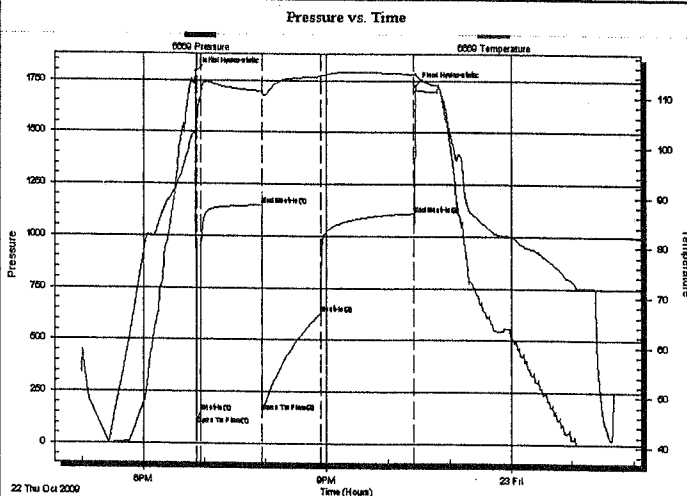
Capacity: 8000.00 psig

Last Calib.: 2009.10.23

Time On Btm: 2009.10.22 @ 18:51:24

Time Off Btm: 2009.10.22 @ 22:27:24

TEST COMMENT: IFP-BOB in 2.5 min
ISI-Weak surface blow back throughout
FFP-BOB in 2 min - GTS in 40 min
FSI-Weak blow back built to 1.5"



PRESSURE SUMMARY

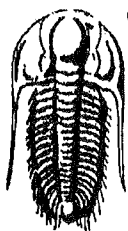
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1790.55	103.25	Initial Hydro-static
1	90.65	103.31	Open To Flow (1)
5	147.11	110.00	Shut-In (1)
66	1147.14	111.22	End Shut-In (1)
66	153.81	110.92	Open To Flow (2)
124	629.73	114.25	Shut-In (2)
215	1109.09	114.65	End Shut-In (2)
216	1724.38	114.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCO 80%O ₂ 20%M	0.57
0.00	GTS	0.00

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
----------------	-----------------	------------------



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Damar Resources

Haddock D-1

PO Box 70
Hays, KS 67601

2-13s-18w Ellis KS

Job Ticket: 35574

DST#: 3

ATTN: Randy Killian

Test Start: 2009.10.22 @ 16:58:54

Tool Information

Drill Pipe:	Length: 3550.00 ft	Diameter: 3.82 inches	Volume: 50.32 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	65000.00 lb
		Total Volume:	50.47 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	3587.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	3633.00 ft				
Interval between Packers:	46.00 ft				
Tool Length:	107.00 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			3567.00		
Shut In Tool	5.00			3572.00		
Hydraulic tool	5.00			3577.00		
Packer	5.00			3582.00	21.00	Bottom Of Top Packer
Packer	5.00			3587.00		
Stubb	1.00			3588.00		
Perforations	4.00			3592.00		
Change Over Sub	1.00			3593.00		
Recorder	0.00	6669	Inside	3593.00		
Blank Spacing	30.00			3623.00		
Change Over Sub	1.00			3624.00		
Perforations	5.00			3629.00		
Blank Off Sub	1.00			3630.00		
Stubb	3.00			3633.00	46.00	Tool Interval
Packer	1.00			3634.00		
Stubb	1.00			3635.00		
Perforations	2.00			3637.00		
Change Over Sub	1.00			3638.00		
Recorder	0.00	6719	Outside	3638.00		
Blank Spacing	31.00			3669.00		
Change Over Sub	1.00			3670.00		
Bullnose	3.00			3673.00	40.00	Bottom Packers & Anchor
Total Tool Length:		107.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Damar Resources

Haddock D-1

PO Box 70
Hays, KS 67601

2-13s-18w Ellis KS

Job Ticket: 35574

DST#: 3

ATTN: Randy Killian

Test Start: 2009.10.22 @ 16:58:54

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

27 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MCO 80%O,20%M	0.573
0.00	GTS	0.000

Total Length:

ft

Total Volume:

20.986 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

