

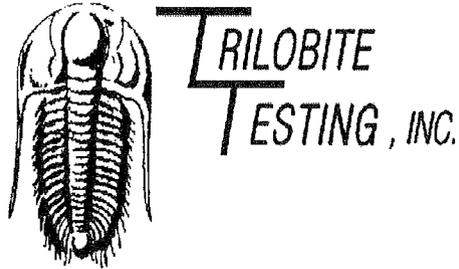
15-167-23351

35-15s-11w

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KANSAS CORPORATION COMMISSION

OCT 04 2006

CONSERVATION DIVISION
WICHITA, KS



DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Justin

35 15S11W Russell

Phillips #1-35

Start Date: 2006.06.14 @ 21:30:11

End Date: 2006.06.15 @ 03:36:41

Job Ticket #: 25293 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Samuel Gary Jr & Associates

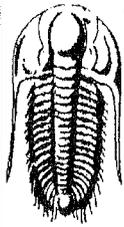
Phillips #1-35

35 15S11W Russell

DST # 1

10' Conglomerate

2006.06.14



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

Phillips #1-35

1670 Broadway Ste 3300
Denver CO 80202

35 15S11W Russell

Job Ticket: 25293

DST#: 1

ATTN: Justin

Test Start: 2006.06.14 @ 21:30:11

GENERAL INFORMATION:

Formation: **10' Conglomerate**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:21:41
 Time Test Ended: 03:36:41

Test Type: Conventional Bottom Hole
 Tester: Jason McLemore
 Unit No: 32

Interval: **3306.00 ft (KB) To 3341.00 ft (KB) (TVD)**
 Total Depth: 3341.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1863.00 ft (KB)
 1857.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 6719

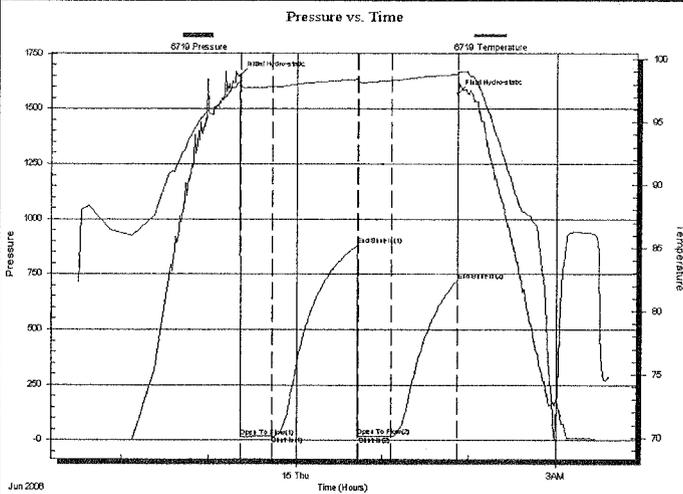
Inside

Press@RunDepth: 16.99 psig @ 3308.00 ft (KB)
 Start Date: 2006.06.14 End Date: 2006.06.15
 Start Time: 21:30:13 End Time: 03:36:41

Capacity: 7000.00 psig
 Last Calib.: 2006.06.15
 Time On Btm: 2006.06.14 @ 23:21:26
 Time Off Btm: 2006.06.15 @ 01:51:56

TEST COMMENT: IFP Weak Surface Blow Died Before End of Period

ISI Dead
 FFP Dead
 FSI Dead



PRESSURE SUMMARY

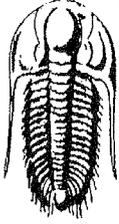
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1651.91	98.18	Initial Hydro-static
1	15.57	97.77	Open To Flow (1)
22	16.46	97.81	Shut-In(1)
82	879.91	98.39	End Shut-In(1)
82	16.90	98.21	Open To Flow (2)
106	16.99	98.31	Shut-In(2)
151	722.76	98.80	End Shut-In(2)
151	1569.22	99.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud W/Oil Show	0.06

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates

Phillips #1-35

1670 Broadway Ste 3300
Denver CO 80202

35 15S11W Russell

Job Ticket: 25293

DST#: 1

ATTN: Justin

Test Start: 2006.06.14 @ 21:30:11

Tool Information

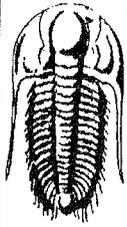
Drill Pipe:	Length: 3288.00 ft	Diameter: 3.80 inches	Volume: 46.12 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 46.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3306.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	63.00 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			3279.00	
Shut In Tool	5.00			3284.00	
Hydraulic tool	5.00			3289.00	
Jars	5.00			3294.00	
Safety Joint	2.00			3296.00	
Packer	5.00			3301.00	28.00 Bottom Of Top Packer
Packer	5.00			3306.00	
Stubb	1.00			3307.00	
Perforations	1.00			3308.00	
Recorder	0.00	6719	Inside	3308.00	
Perforations	30.00			3338.00	
Recorder	0.00	13221	Outside	3338.00	
Bullnose	3.00			3341.00	35.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates

Phillips #1-35

1670 Broadway Ste 3300
Denver CO 80202

35 15S11W Russell

Job Ticket: 25293

DST#: 1

ATTN: Justin

Test Start: 2006.06.14 @ 21:30:11

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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	Mud W/Oil Show	0.056

Total Length: 4.00 ft Total Volume: 0.056 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Less Than 1% Oil

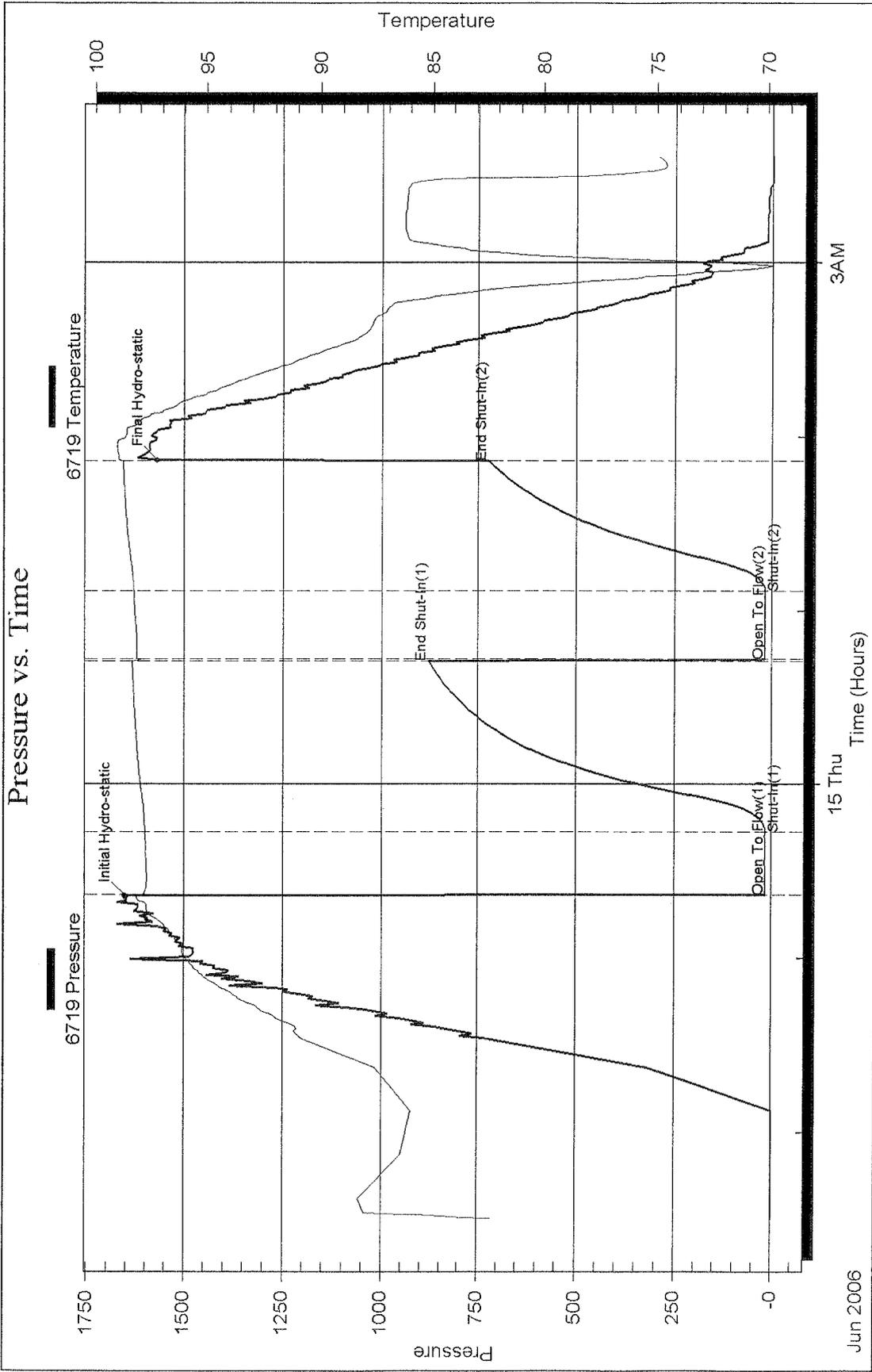
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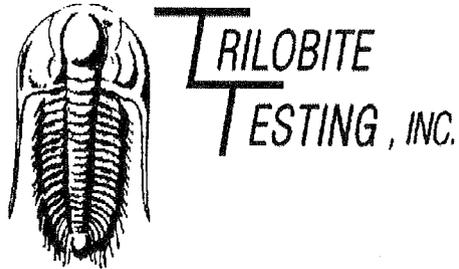
Inside

Samuel Gary Jr. & Associates

35 15St1W Russell

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Justin

35 15S11W Russell

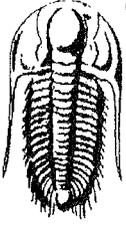
Phillips #1-35

Start Date: 2006.06.15 @ 12:46:17

End Date: 2006.06.15 @ 21:08:32

Job Ticket #: 25294 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

Samuel Gary Jr & Associates

Phillips #1-35

1670 Broadway Ste 3300
Denver CO 80202

35 15S11W Russell

Job Ticket: 25294

DST#: 2

ATTN: Justin

Test Start: 2006.06.15 @ 12:46:17

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:21:32
 Time Test Ended: 21:08:32

Test Type: Conventional Bottom Hole
 Tester: Jason McLemore
 Unit No: 32

Interval: **3340.00 ft (KB) To 3358.00 ft (KB) (TVD)**
 Total Depth: 3358.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1863.00 ft (KB)
 1857.00 ft (CF)
 KB to GR/CF: 6.00 ft

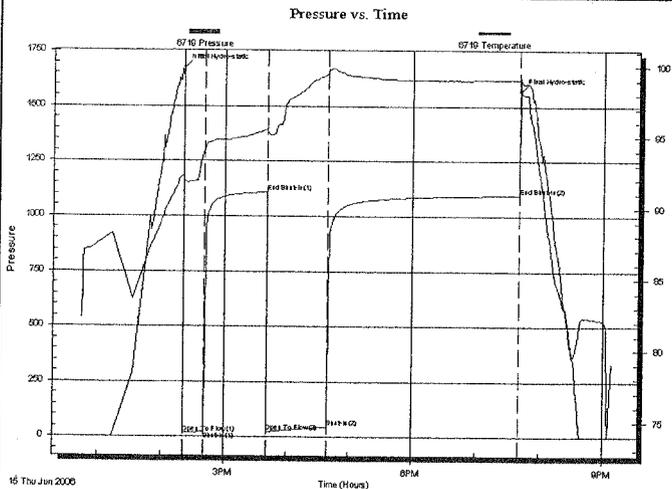
Serial #: 6719

Inside

Press@RunDepth: 46.83 psig @ 3342.00 ft (KB)
 Start Date: 2006.06.15 End Date: 2006.06.15
 Start Time: 12:46:19 End Time: 21:08:32

Capacity: 7000.00 psig
 Last Calib.: 2006.06.15
 Time On Btm: 2006.06.15 @ 14:21:17
 Time Off Btm: 2006.06.15 @ 19:41:02

TEST COMMENT: IFP Weak Blow Built to 2-1/2 in
 ISI Dead
 FFP Dead



PRESSURE SUMMARY

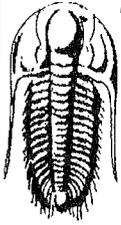
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1673.35	92.29	Initial Hydro-static
1	15.84	91.98	Open To Flow (1)
20	23.25	94.10	Shut-In(1)
80	1107.55	95.54	End Shut-In(1)
80	23.90	95.23	Open To Flow (2)
139	46.83	99.58	Shut-In(2)
320	1095.29	99.08	End Shut-In(2)
320	1568.70	99.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Watery Mud 50%W-50%M	0.91

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates

Phillips #1-35

1670 Broadway Ste 3300
Denver CO 80202

35 15S11W Russell

Job Ticket: 25294

DST#: 2

ATTN: Justin

Test Start: 2006.06.15 @ 12:46:17

Tool Information

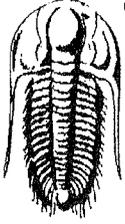
Drill Pipe:	Length: 3319.00 ft	Diameter: 3.80 inches	Volume: 46.56 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 46.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3340.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	46.00 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			3313.00	
Shut In Tool	5.00			3318.00	
Hydraulic tool	5.00			3323.00	
Jars	5.00			3328.00	
Safety Joint	2.00			3330.00	
Packer	5.00			3335.00	28.00 Bottom Of Top Packer
Packer	5.00			3340.00	
Stubb	1.00			3341.00	
Perforations	1.00			3342.00	
Recorder	0.00	6719	Inside	3342.00	
Perforations	13.00			3355.00	
Recorder	0.00	13221	Outside	3355.00	
Bullnose	3.00			3358.00	18.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates

Phillips #1-35

1670 Broadway Ste 3300
Denver CO 80202

35 15S11W Russell

Job Ticket: 25294

DST#: 2

ATTN: Justin

Test Start: 2006.06.15 @ 12:46:17

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:	13000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	Watery Mud 50%W-50%M	0.912

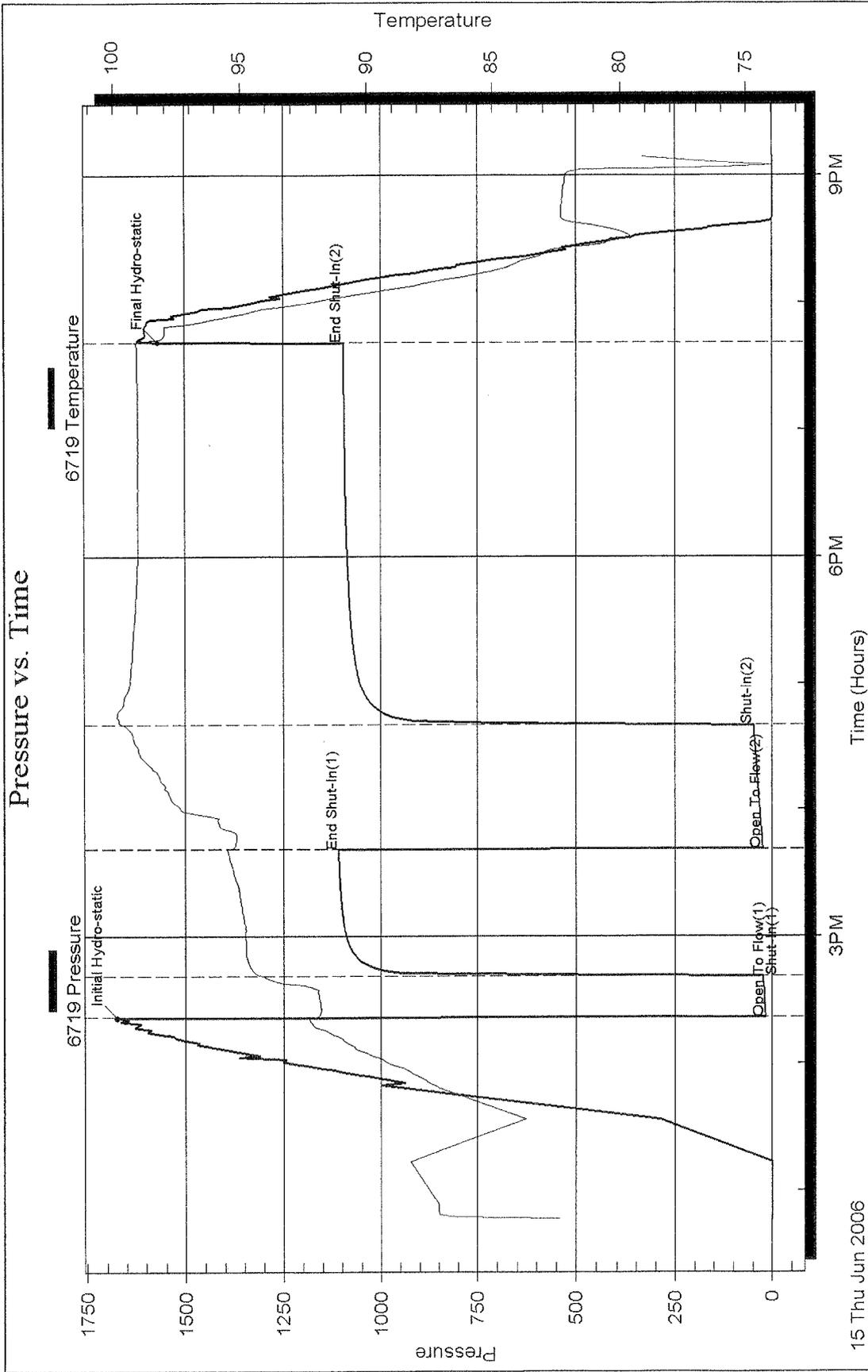
Total Length: 65.00 ft Total Volume: 0.912 bbl

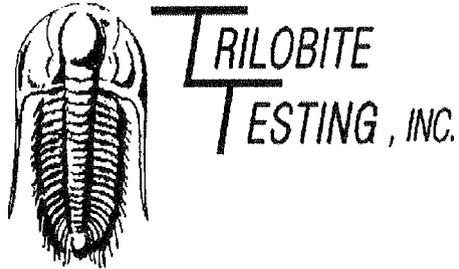
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Justin

35 15S11W Russell

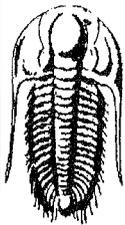
Phillips #1-35

Start Date: 2006.06.16 @ 16:36:06

End Date: 2006.06.16 @ 23:38:21

Job Ticket #: 25295 DST #: 3

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

Phillips #1-35

1670 Broadway Ste 3300
Denver CO 80202

35 15S11W Russell

ATTN: Justin

Job Ticket: 25295

DST#: 3

Test Start: 2006.06.16 @ 16:36:06

GENERAL INFORMATION:

Formation: **LKC-"J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:27:36

Time Test Ended: 23:38:21

Test Type: Conventional Straddle

Tester: Jason McLemore

Unit No: 32

Interval: **3189.00 ft (KB) To 3198.00 ft (KB) (TVD)**

Reference Elevations: 1863.00 ft (KB)

Total Depth: 3440.00 ft (KB) (TVD)

1857.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 6.00 ft

Serial #: **6719**

Inside

Press@RunDepth: 23.27 psig @ 3191.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.06.16

End Date:

2006.06.16

Last Calib.: 2006.06.16

Start Time: 16:36:08

End Time:

23:38:21

Time On Btm: 2006.06.16 @ 18:27:21

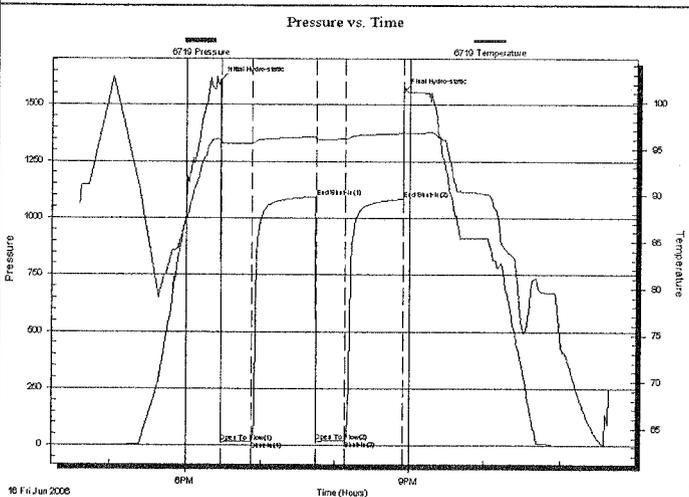
Time Off Btm: 2006.06.16 @ 20:55:06

TEST COMMENT: IFP Weak Blow Built to 1/2 in

ISI Dead

FFP Dead

FSI Dead



PRESSURE SUMMARY

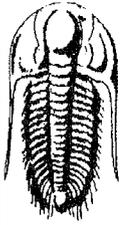
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1604.31	96.01	Initial Hydro-static
1	12.91	95.72	Open To Flow (1)
26	18.41	95.64	Shut-In (1)
78	1093.64	96.33	End Shut-In (1)
78	19.12	96.11	Open To Flow (2)
101	23.27	96.08	Shut-In (2)
148	1084.02	96.69	End Shut-In (2)
148	1554.65	96.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	Muddy Water	0.11

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates

Phillips #1-35

1670 Broadway Ste 3300
Denver CO 80202

35 15S11W Russell

Job Ticket: 25295

DST#: 3

ATTN: Justin

Test Start: 2006.06.16 @ 16:36:06

Tool Information

Drill Pipe:	Length: 3193.00 ft	Diameter: 3.80 inches	Volume: 44.79 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			Total Volume: 44.79 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3189.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	3198.00 ft			
Interval between Packers:	9.00 ft			
Tool Length:	279.00 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			3162.00	
Shut In Tool	5.00			3167.00	
Hydraulic tool	5.00			3172.00	
Jars	5.00			3177.00	
Safety Joint	2.00			3179.00	
Packer	5.00			3184.00	28.00 Bottom Of Top Packer
Packer	5.00			3189.00	
Stubb	1.00			3190.00	
Perforations	1.00			3191.00	
Recorder	0.00	6719	Inside	3191.00	
Perforations	3.00			3194.00	
Blank Off Sub	1.00			3195.00	
Blank Spacing	3.00			3198.00	9.00 Tool Interval
Packer	1.00			3199.00	
Stubb	1.00			3200.00	
Change Over Sub	1.00			3201.00	
Recorder	0.00	13221	Below	3201.00	
Blank Spacing	221.00			3422.00	
Change Over Sub	1.00			3423.00	
Perforations	14.00			3437.00	
Bullnose	3.00			3440.00	242.00 Bottom Packers & Anchor
Total Tool Length:	279.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates

Phillips #1-35

1670 Broadway Ste 3300
Denver CO 80202

35 15S11W Russell

Job Ticket: 25295

DST#: 3

ATTN: Justin

Test Start: 2006.06.16 @ 16:36:06

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:	28000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	Muddy Water	0.112

Total Length: 8.00 ft Total Volume: 0.112 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

