

DRILL STEM TEST REPORT

Prepared For: **AVG Corp.**

123 N. Main
Attica, KS 67009

ATTN: Kent Roberts

27-32s-10w Barber KS

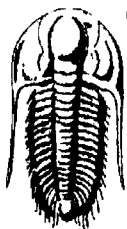
Rucker #2

Start Date: 2005.07.14 @ 00:14:41

End Date: 2005.07.14 @ 08:58:11

Job Ticket #: 20765 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

AVG Corp.
123 N. Main
Attica, KS 67009
ATTN: Kent Roberts

Rucker #2
27-32s-10w Barber KS
Job Ticket: 20765 **DST#: 1**
Test Start: 2005.07.14 @ 00:14:41

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 02:57:41
Time Test Ended: 08:58:11

Test Type: **Conventional Bottom Hole**
Tester: **Jake Fahrenbruch**
Unit No: **19**

Interval: **4370.00 ft (KB) To 4405.00 ft (KB) (TVD)**
Total Depth: **4405.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1450.00 ft (KB)**
1440.00 ft (CF)
KB to GRVCF: **10.00 ft**

Serial #: 6667

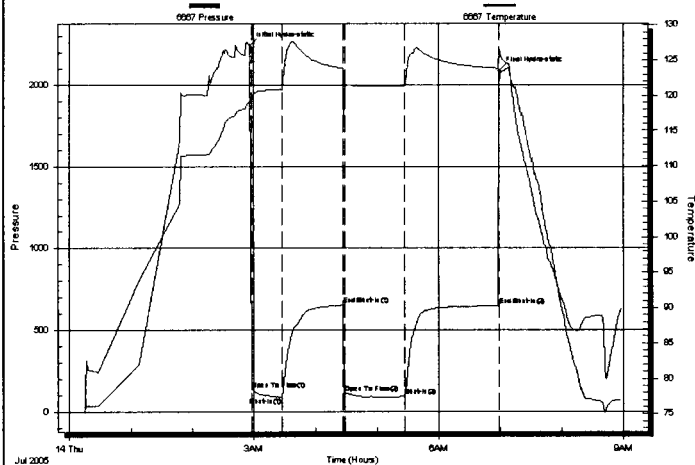
Inside

Press@RunDepth: **91.28 psig @ 4371.00 ft (KB)**
Start Date: **2005.07.14** End Date: **2005.07.14**
Start Time: **00:14:46** End Time: **08:58:11**

Capacity: **7000.00 psig**
Last Calib.: **2005.07.14**
Time On Btm: **2005.07.14 @ 02:56:41**
Time Off Btm: **2005.07.14 @ 06:59:26**

TEST COMMENT: IF: Strong blow, BOB 3min 20sec.
IS: Bled off, blow back @ 1".
FF: Strong blow, BOB immediately. GTS 14 minutes.
FSI: Bled off, blow back @ 2.5".

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.89	119.18	Initial Hydro-static
1	134.43	119.06	Open To Flow (1)
31	88.74	120.84	Shut-In(1)
91	651.85	123.84	End Shut-In(1)
93	112.23	121.27	Open To Flow (2)
151	91.28	121.37	Shut-In(2)
243	647.54	123.84	End Shut-In(2)
243	2086.24	126.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Drig mud. 100%	0.73
0.00	0	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	6.00	7.63
Last Gas Rate	0.13	17.00	11.75
Max. Gas Rate	0.13	17.00	11.75



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

AVG Corp.

Rucker #2

123 N. Main
Attica, KS 67009

27-32s-10w Barber KS

Job Ticket: 20765

DST#: 1

ATTN: Kent Roberts

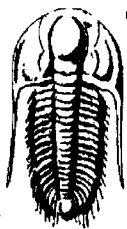
Test Start: 2005.07.14 @ 00:14:41

Tool Information

Drill Pipe:	Length: 4331.00 ft	Diameter: 3.80 inches	Volume: 60.75 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: 20000.00 lb
Drill Collar:	Length: 28.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 66000.00 lb
			Total Volume: 60.89 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4370.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	55.00 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			4355.00		
Hydraulic tool	5.00			4360.00		
Packer	5.00			4365.00	20.00	Bottom Of Top Packer
Packer	5.00			4370.00		
Stubb	1.00			4371.00		
Recorder	0.00	6667	Inside	4371.00		
Perforations	31.00			4402.00		
Recorder	0.00	11019	Outside	4402.00		
Bullnose	3.00			4405.00	35.00	Bottom Packers & Anchor
Total Tool Length:	55.00					



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

AVG Corp.

123 N. Main
Attica, KS 67009

ATTN: Kent Roberts

Rucker #2

27-32s-10w Barber KS

Job Ticket: 20765

DST#: 1

Test Start: 2005.07.14 @ 00:14:41

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 9.59 in³

Resistivity: ohm.m

Salinity: 8000.00 ppm

Filter Cake: 0.04 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

ft

bbl

psig

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Drig mud. 100%	0.727
0.00	0	0.000

Total Length: 70.00 ft

Total Volume: 0.727 bbl

Num Fluid Samples: 0

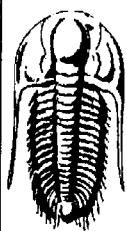
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

AVG Corp.

Rucker #2

123 N. Main
Attica, KS 67009

27-32s-10w Barber KS

Job Ticket: 20765

DST#: 1

ATTN: Kent Roberts

Test Start: 2005.07.14 @ 00:14:41

Gas Rates Information

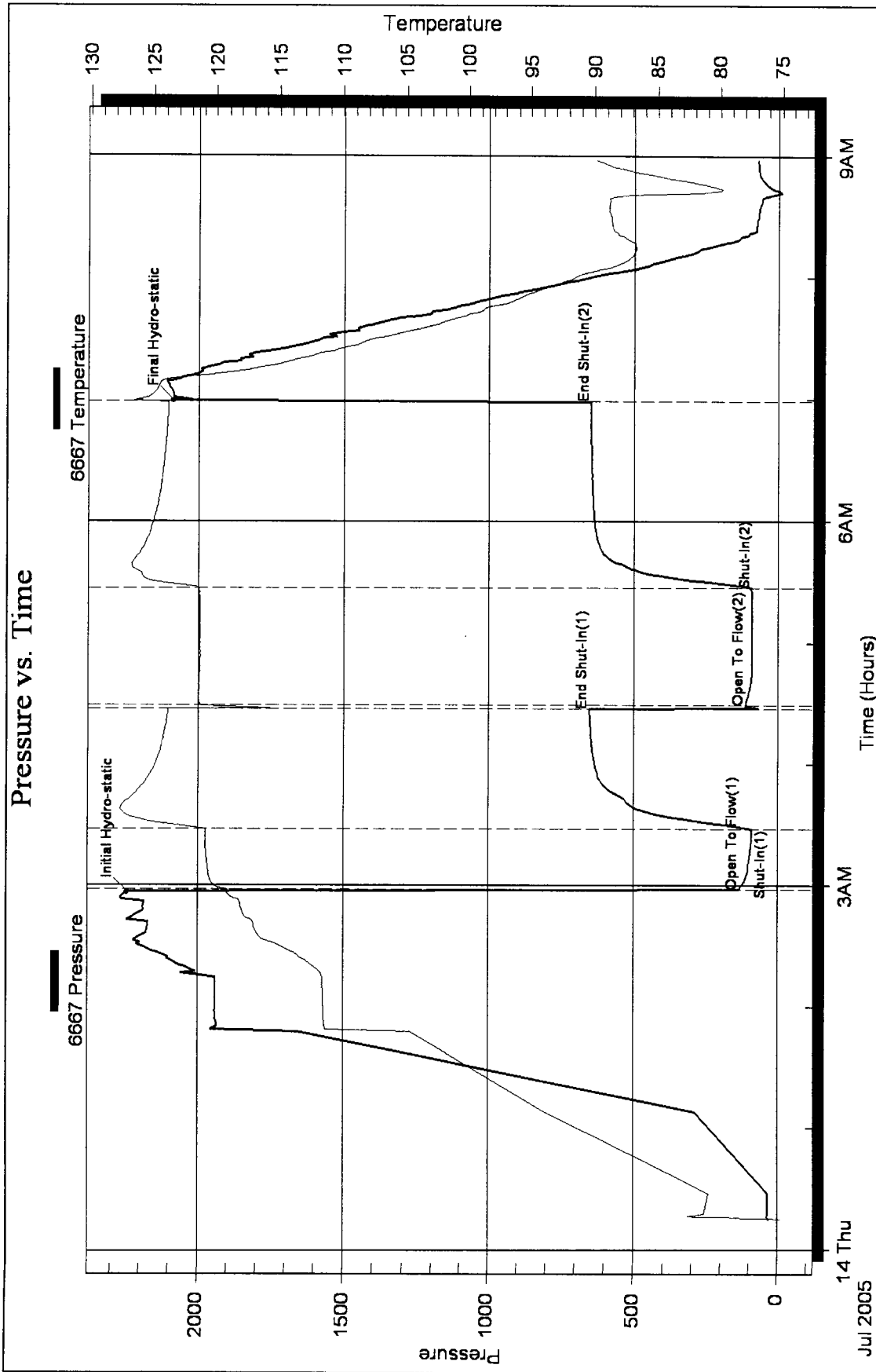
Temperature: 59 deg C

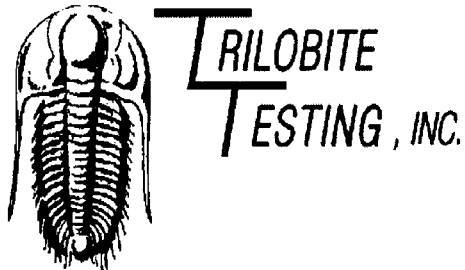
Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	20	0.13	6.00	7.63
2	20	0.13	6.00	7.63
2	25	0.13	7.50	8.20
2	30	0.13	9.00	8.76
2	35	0.13	10.50	9.32
2	40	0.13	12.00	9.88
2	45	0.13	13.50	10.44
2	50	0.13	15.00	11.00
2	55	0.13	16.00	11.38
2	60	0.13	17.00	11.75





DRILL STEM TEST REPORT

Prepared For: **AVG Corp.**

123 N. Main
Attica, KS 67009

ATTN: Kent Roberts

27-32s-10w Barber KS

Rucker #2

Start Date: 2005.07.14 @ 17:36:35

End Date: 2005.07.15 @ 02:10:05

Job Ticket #: 20766 DST #: 2

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



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DRILL STEM TEST REPORT

AVG Corp.
123 N. Main
Attica, KS 67009
ATTN: Kent Roberts

Rucker #2
27-32s-10w Barber KS
Job Ticket: 20766 **DST#: 2**
Test Start: 2005.07.14 @ 17:36:35

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 19:34:50
Time Test Ended: 02:10:05

Test Type: **Conventional Bottom Hole**
Tester: **Jake Fahrenbruch**
Unit No: **19**

Interval: **4401.00 ft (KB) To 4411.00 ft (KB) (TVD)**
Total Depth: **4411.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1450.00 ft (KB)**
1440.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 6667

Inside

Press@RunDepth: **189.75 psig @ 4402.00 ft (KB)**
Start Date: **2005.07.14** End Date: **2005.07.15**
Start Time: **17:36:40** End Time: **02:10:05**

Capacity: **7000.00 psig**
Last Calib.: **2005.07.15**
Time On Btm: **2005.07.14 @ 19:33:35**
Time Off Btm: **2005.07.14 @ 22:41:20**

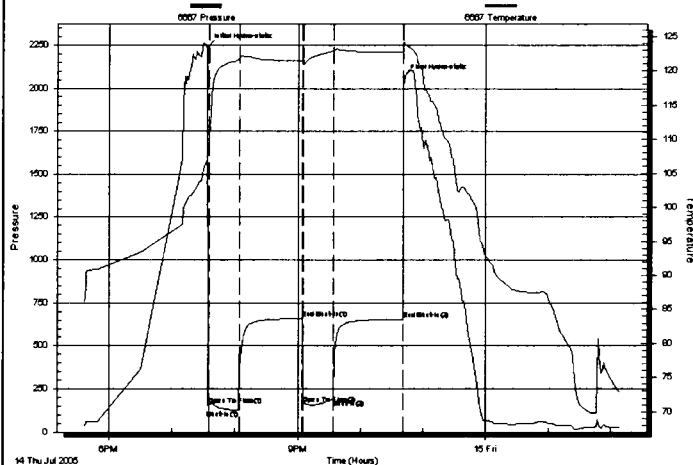
TEST COMMENT: IF: Strong blow, BOB 35 sec, GTS 19min 45sec.

ISl: Bled off, no blow back.

FF: Strong blow, BOB immediately.

FSl: Bled off, blow back @ 1".

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.19	106.74	Initial Hydro-static
2	155.10	109.11	Open To Flow (1)
31	130.01	121.58	Shut-In(1)
90	658.87	121.49	End Shut-In(1)
92	163.81	120.93	Open To Flow (2)
121	189.75	122.84	Shut-In(2)
188	654.79	122.66	End Shut-In(2)
188	2061.53	124.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	SLOCW 5%o 95%w	1.43
90.00	SLGCOMCW 10%g 20%o 22%m 34%w	1.26
0.00	RWF: .08ohm @ 78deg F= 88,000ppm	0.00
0.00	0	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.50	31.57
Last Gas Rate		0.00	
Max. Gas Rate	0.13	42.00	21.11



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DRILL STEM TEST REPORT

TOOL DIAGRAM

AVG Corp.

123 N. Main
Attica, KS 67009

ATTN: Kent Roberts

Rucker #2

27-32s-10w Barber KS

Job Ticket: 20766

DST#: 2

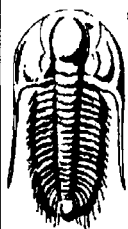
Test Start: 2005.07.14 @ 17:36:35

Tool Information

Drill Pipe:	Length: 4363.00 ft	Diameter: 3.80 inches	Volume: 61.20 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: 20000.00 lb
Drill Collar:	Length: 28.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 66000.00 lb
		Total Volume: 61.34 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4401.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	30.00 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			4386.00	
Hydraulic tool	5.00			4391.00	
Packer	5.00			4396.00	20.00 Bottom Of Top Packer
Packer	5.00			4401.00	
Stubb	1.00			4402.00	
Recorder	0.00	6667	Inside	4402.00	
Perforations	6.00			4408.00	
Recorder	0.00	11019	Outside	4408.00	
Bullnose	3.00			4411.00	10.00 Bottom Packers & Anchor
Total Tool Length:	30.00				



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27-32s-10w Barber KS

Job Ticket: 20766

DST#: 2

Test Start: 2005.07.14 @ 17:36:35

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 8.99 in³

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: 0.04 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
120.00	SLOCW 5%o 95%w	1.428
90.00	SLGCOMCW 10%g 20%o 22%m 34%w	1.262
0.00	RW= .08ohm @ 78deg F= 88,000ppm	0.000
0.00	0	0.000

Total Length: 210.00 ft

Total Volume: 2.690 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

AVG Corp.

Rucker #2

123 N. Main
Attica, KS 67009

27-32s-10w Barber KS

Job Ticket: 20766

DST#: 2

ATTN: Kent Roberts

Test Start: 2005.07.14 @ 17:36:35

Gas Rates Information

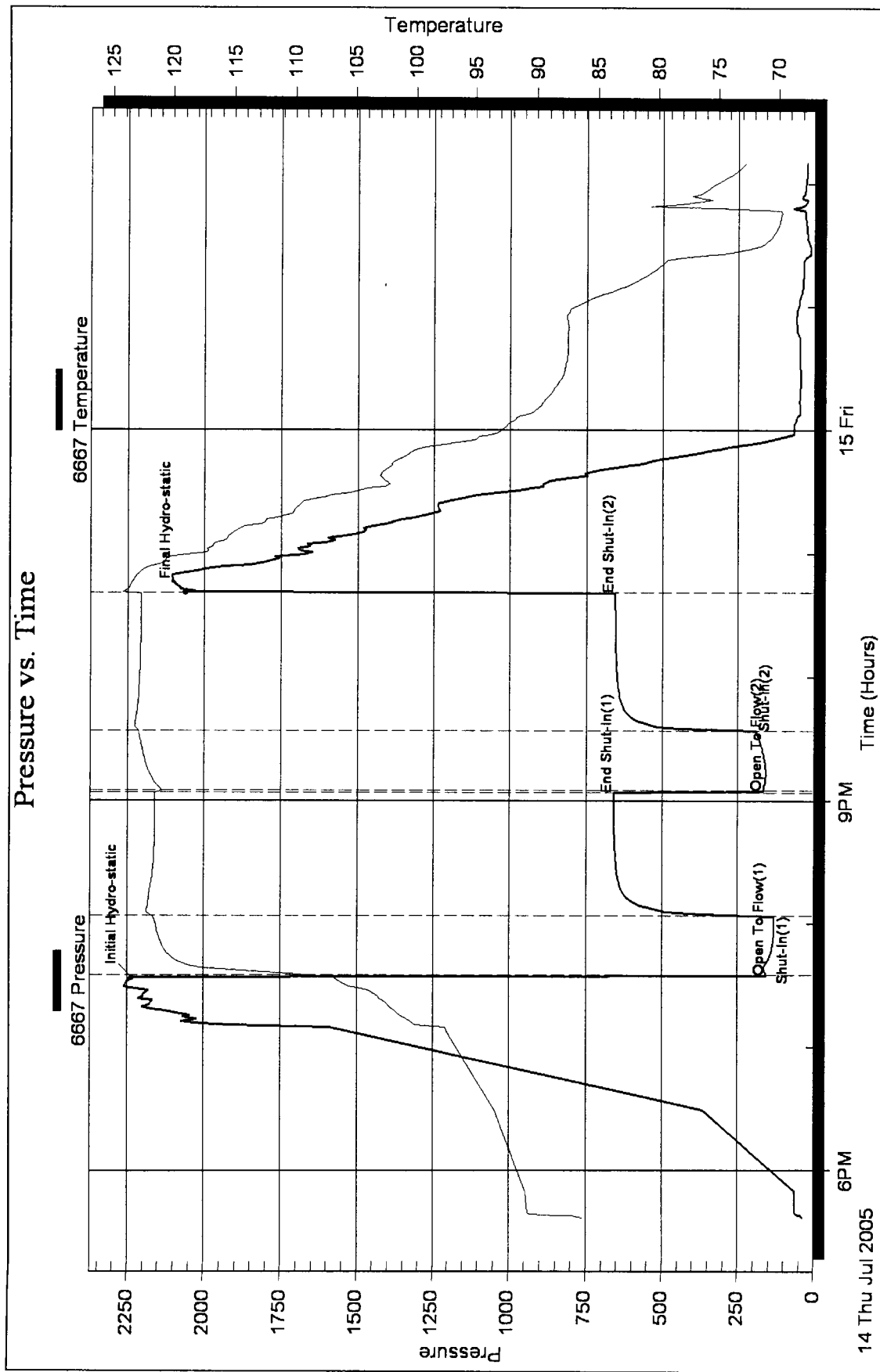
Temperature: 59 deg C

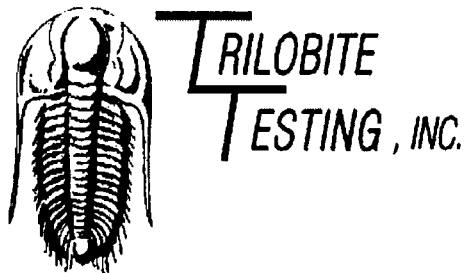
Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	25	0.25	5.50	31.57
1	30	0.25	8.50	36.33
2	5	0.13	9.00	8.76
2	10	0.13	16.00	11.38
2	15	0.13	22.00	13.62
2	20	0.13	29.00	16.24
2	25	0.13	35.00	18.49
2	30	0.13	42.00	21.11
0	0	-999999.00	0.00	-999999.00





DRILL STEM TEST REPORT

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27-32s-10w Barber KS

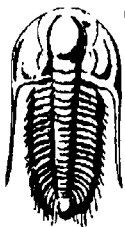
Rucker #2

Start Date: 2005.07.15 @ 21:26:30

End Date: 2005.07.16 @ 05:37:45

Job Ticket #: 21720 DST #: 3

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



TRILOBITE
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DRILL STEM TEST REPORT

AVG Corp.

123 N. Main
Attica, KS 67009

ATTN: Kent Roberts

Rucker #2

27-32s-10w Barber KS

Job Ticket: 21720

DST#: 3

Test Start: 2005.07.15 @ 21:26:30

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 23:35:00

Time Test Ended: 05:37:45

Test Type: **Conventional Straddle**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4416.00 ft (KB) To 4428.00 ft (KB) (TVD)**

Total Depth: **4528.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1450.00 ft (KB)**

1440.00 ft (CF)

KB to GRVCF: **10.00 ft**

Serial #: 6755

Inside

Press@RunDepth: **174.74 psig @ 4417.00 ft (KB)**

Start Date: **2005.07.15**

End Date:

2005.07.16

Start Time: **21:26:35**

End Time:

05:37:44

Capacity: **7000.00 psig**

Last Calib.: **2005.07.16**

Time On Btm: **2005.07.15 @ 23:33:15**

Time Off Btm: **2005.07.16 @ 02:25:45**

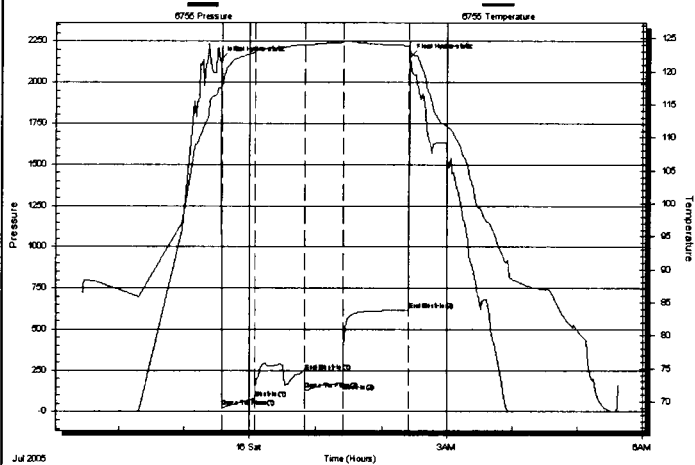
TEST COMMENT: **IF: Strong blow . B.O.B. in 20 secs. (see gas flow report)**

IS: Strong blow . B.O.B.

FF: Strong blow . (see gas flow report)

FS: Weak blow . 1/2 - 2".

Pressure vs. Time



PRESSURE SUMMARY

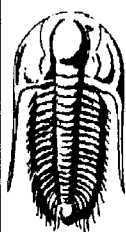
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2134.60	117.46	Initial Hydro-static
2	26.40	117.82	Open To Flow (1)
32	80.28	122.89	Shut-In(1)
77	244.37	124.10	End Shut-In(1)
78	128.63	124.04	Open To Flow (2)
112	174.74	124.43	Shut-In(2)
171	616.20	123.93	End Shut-In(2)
173	2153.96	123.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	SW Rw .03 ohms @ 81 deg.	2.25
60.00	SOCW 5%o 95%w	0.84
125.00	O&G, MW 4%g 5%m 16%o 75%w	1.75

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.00	26.02
Last Gas Rate	0.25	4.00	29.19
Max. Gas Rate	0.25	4.00	29.19



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

AVG Corp.

123 N. Main
Attica, KS 67009

ATTN: Kent Roberts

Rucker #2

27-32s-10w Barber KS

Job Ticket: 21720

DST#: 3

Test Start: 2005.07.15 @ 21:26:30

Tool Information

Drill Pipe:	Length: 4387.00 ft	Diameter: 3.80 inches	Volume: 61.54 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: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 76000.00 lb
		Total Volume: 61.69 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4416.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	4428.00 ft			
Interval between Packers:	12.00 ft			
Tool Length:	132.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4397.00	
Shut In Tool	5.00			4402.00	
Hydraulic tool	5.00			4407.00	
Packer	4.00			4411.00	20.00 Bottom Of Top Packer
Packer	5.00			4416.00	
Stubb	1.00			4417.00	
Recorder	0.00	6755	Inside	4417.00	
Perforations	7.00			4424.00	
Recorder	0.00	10290	Outside	4424.00	
Blank Off Sub	1.00			4425.00	
travel collar	3.00			4428.00	12.00 Tool Interval
Packer	0.00			4428.00	
Stubb	1.00			4429.00	
Change Over Sub	1.00			4430.00	
Blank Spacing	92.00			4522.00	
Change Over Sub	1.00			4523.00	
Recorder	0.00	13222	Outside	4523.00	
Bullnose	5.00			4528.00	100.00 Bottom Packers & Anchor
Total Tool Length:		132.00			



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DRILL STEM TEST REPORT

FLUID SUMMARY

AVG Corp.

123 N. Main
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ATTN: Kent Roberts

Rucker #2

27-32s-10w Barber KS

Job Ticket: 21720

DST#: 3

Test Start: 2005.07.15 @ 21:26:30

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 17.97 in³

Resistivity: 0.00 ohm.m

Salinity: 18000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity: 127000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	SW R _w .03 ohms @ 81 deg.	2.252
60.00	SOCW 5%o 95%w	0.842
125.00	O&G, MW 4%g 5%m 16%o 75%w	1.753

Total Length: 365.00 ft

Total Volume: 4.847 bbl

Num Fluid Samples: 0

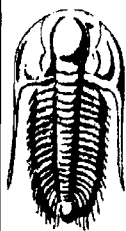
Num Gas Bombs: 1

Serial #: gp-3

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: LCM 5#/bl



TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

AVG Corp.

Rucker #2

123 N. Main
Attica, KS 67009

27-32s-10w Barber KS

Job Ticket: 21720

DST#: 3

ATTN: Kent Roberts

Test Start: 2005.07.15 @ 21:26:30

Gas Rates Information

Temperature: 59 deg C

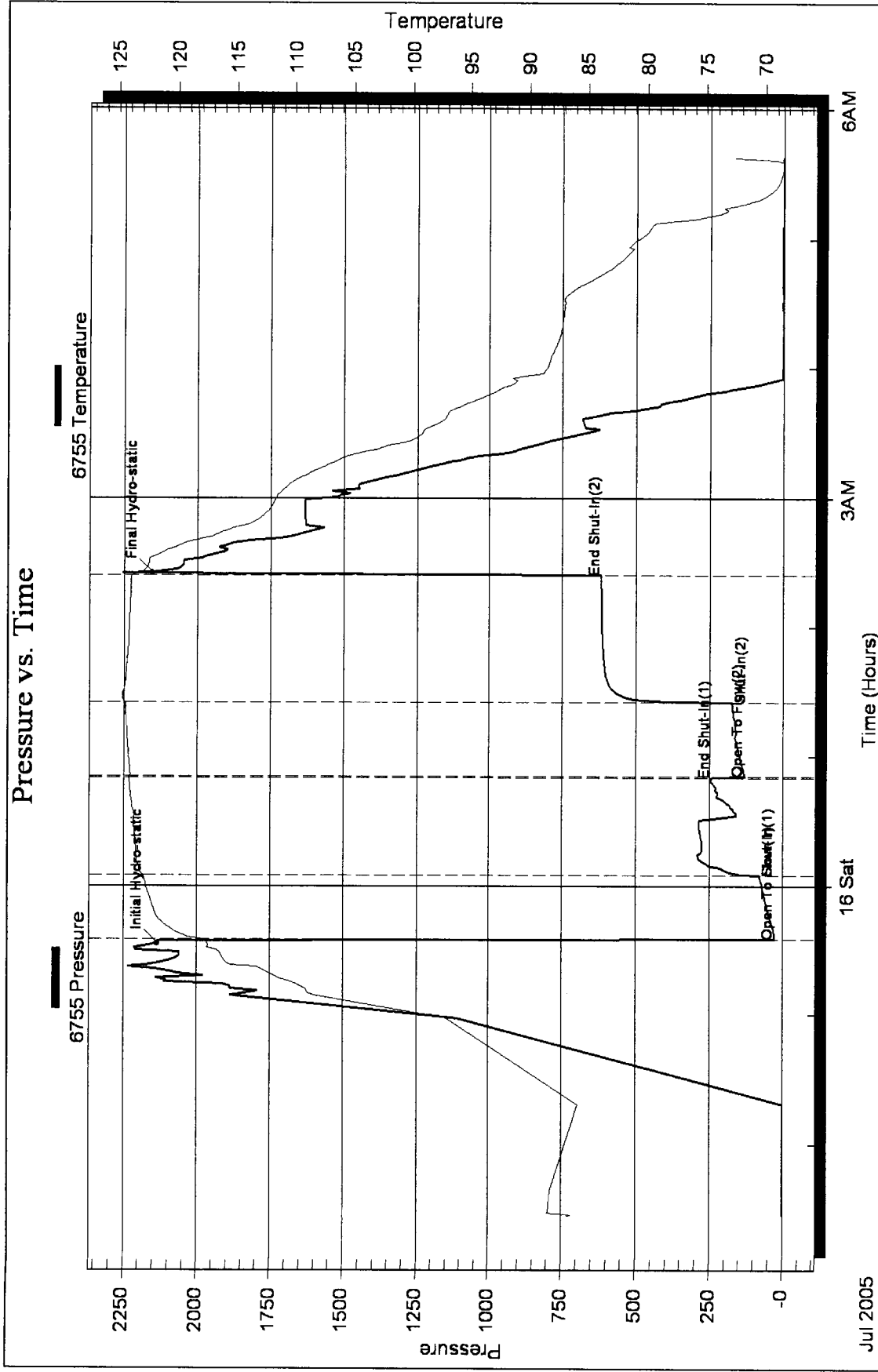
Relative Density: 0.65

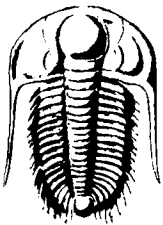
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	30	0.25	2.00	26.02
2	10	0.25	3.00	27.60
2	20	0.25	4.00	29.19
2	30	0.25	4.00	29.19

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20765

05/03

Test Ticket

Well Name & No. Rucker #X #2 Test No. 1 Date 7-14-05
 Company AGV Corp Zone Tested Mississippi
 Address 123 N. Main, Attica, KS 67009 Elevation 1450 KB 1440 GL
 Co. Rep / Geo. Kent Roberts Cont. Val Rig #3 Est. Ft. of Pay Por. %
 Location: Sec. 27 Twp. 32s Rge. 10w Co. Barber State Kansas
 No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 4370 - 4405 Initial Str Wt./Lbs. 62000 Unseated Str Wt./Lbs. 62000
 Anchor Length 35 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 66000
 Top Packer Depth 4365 Tool Weight 2100
 Bottom Packer Depth 4370 Hole Size 7 7/8" YES Rubber Size 6 3/4" YES
 Total Depth 4405 Wt. Pipe Run NONE Drill Collar Run 28
 Mud Wt. 9.3 LCM 0 Vis. 48 WL 9.6 Drill Pipe Size 4 1/2" X A Ft. Run 4328 4331
 Blow Description IF: Strong blow. BOB 3min 20sec.
ISF: Bled off. Blowback @ 1".
FF: Strong blow, BOB Immediately. GTS 14 minutes
FSF: Bled off. Blowback @ 2 1/2".

Recovery - Total Feet 70 GIP AFFP Ft. in DC 28 Ft. in DP 42
 Rec. 70 Feet of Dily mud %gas %oil %water 100 %mud
 Rec. Feet of %gas %oil %water %mud
 Rec. Feet of %gas %oil %water %mud
 Rec. Feet of %gas %oil %water %mud
 Rec. Feet of %gas %oil %water %mud
 BHT 124 °F Gravity NC °API D @ °F Corrected Gravity °API
 RW NC @ °F Chlorides ppm Recovery Chlorides 8000 ppm System

AK-1

(A) Initial Hydrostatic Mud	<u>2243</u> PSI	Recorder No.	<u>6667</u>	Test	<u>★</u>
(B) First Initial Flow Pressure	<u>134</u> PSI	(depth)	<u>4371</u>	Elec. Rec.	<u>★</u>
(C) First Final Flow Pressure	<u>89</u> PSI	Recorder No.	<u>11019</u>	Jars	<u> </u>
(D) Initial Shut-In Pressure	<u>652</u> PSI	(depth)	<u>4402</u>	Safety Jt.	<u> </u>
(E) Second Initial Flow Pressure	<u>112</u> PSI	Recorder No.	<u> </u>	Circ Sub	<u>★</u>
(F) Second Final Flow Pressure	<u>91</u> PSI	(depth)	<u> </u>	Sampler	<u> </u>
(G) Final Shut-In Pressure	<u>648</u> PSI	Initial Opening	<u>30</u>	Straddle	<u> </u>
(Q) Final Hydrostatic Mud	<u>2086</u> PSI	Initial Shut-In	<u>60</u>	Ext. Packer	<u> </u>
		Final Flow	<u>60</u>	Shale Packer	<u> </u>
		Final Shut-In	<u>90</u>	Mileage	<u>90</u>
		T-On Location	<u>2330</u>	Sub Total:	<u>1140</u>
		T-Started	<u>0014</u>	Std. By	<u> </u>
		T-Open	<u>0257</u>	Other Accessibility	<u>#150</u>
		T-Pulled	<u>0659</u>	Total:	<u>\$1290</u>
		T-Out	<u>0830</u>		

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Approved By

Kent Roberts

Our Representative

Paul E. Johnson

**TRILOBITE
TESTING L.L.C.**

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

Mississippi
4370-4405
7-14-05

GAS VOLUME REPORT

AGV Corp.

Rucker #2

7/
DST NO.

OPERATOR

WELL NAME AND NO.

DST NO.

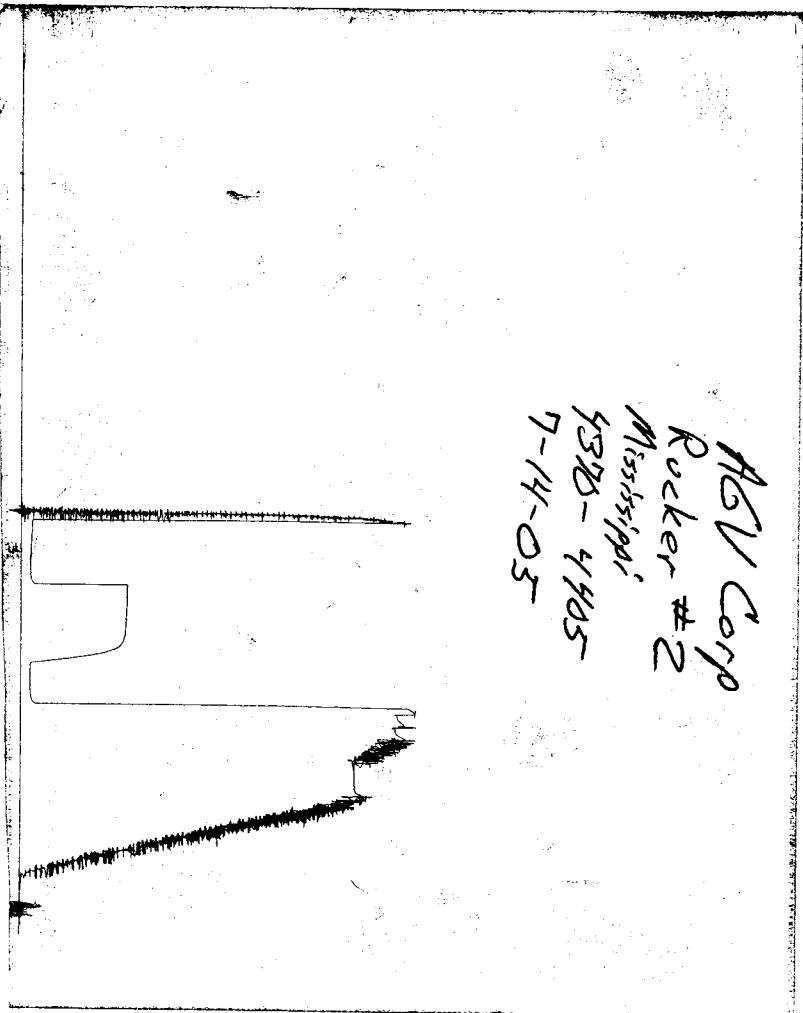
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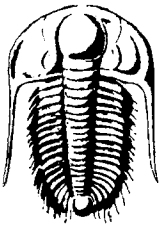
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Remarks:

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20766

05/03

Test Ticket

Well Name & No. <u>Rucker #2</u>	Test No. <u>2</u>	Date <u>7-14-05</u>
Company <u>AGV Corp</u>	Zone Tested <u>Mississippi</u>	
Address <u>123 N. Main, Attica, KS 67009</u>	Elevation <u>1450</u> KB <u>1440</u>	GL
Co. Rep / Geo. <u>Kent Roberts</u>	Cont. <u>Val Rig #3</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>27</u> Twp. <u>32s</u> Rge. <u>10w</u>	Co. <u>Barber</u>	State <u>Kansas</u>
No. of Copies <u> </u>	Disbtribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>4401-4411</u>	Initial Str Wt./Lbs. <u>61000</u>	Unseated Str Wt./Lbs. <u>62000</u>
Anchor Length <u>10</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>66000</u>
Top Packer Depth <u>4396</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>4401</u>	Hole Size 7 7/8" <u>YES</u>	Rubber Size 6 3/4" <u>YES</u>
Total Depth <u>4411</u>	Wt. Pipe Run <u>NONE</u>	Drill Collar Run <u>28</u>
Mud Wt. <u>9.4</u> LCM <u>1st</u> Vis. <u>48</u> WL <u>9.0</u>	Drill Pipe Size <u>4 1/2" X 11</u>	Ft. Run <u>4363</u>
Blow Description <u>IF: Strong blow, BOB 35 sec., GTS 19 min 45 sec.</u>		
<u>IS: Bled off, no blowback.</u>		
<u>FF: Strong blow, BOB immediately. See sample taken.</u>		
<u>PS: Bled off, blowback @ 1".</u>		
Recovery - Total Feet <u>210</u>	GIP <u>AFEP</u>	Ft. in DC <u>28</u> Ft. in DP <u>182</u>
Rec. <u>90</u> Feet of <u>SLG COM CW</u>	<u>10</u> %gas <u>20</u> %oil <u>43</u> %water <u>22</u> %mud	
Rec. <u>120</u> Feet of <u>SLG CW</u>	<u> </u> %gas <u>5</u> %oil <u>95</u> %water <u> </u> %mud	
Rec. <u> </u> Feet of <u> </u>	<u> </u> %gas <u> </u> %oil <u> </u> %water <u> </u> %mud	
Rec. <u> </u> Feet of <u> </u>	<u> </u> %gas <u> </u> %oil <u> </u> %water <u> </u> %mud	
Rec. <u> </u> Feet of <u> </u>	<u> </u> %gas <u> </u> %oil <u> </u> %water <u> </u> %mud	
BHT <u>123</u> °F Gravity <u>NC</u>	°API D @ <u> </u>	°F Corrected Gravity <u> </u> °API
RW <u>08.2</u> @ <u>78</u> °F	Chlorides <u>88000</u> ppm Recovery <u> </u>	Chlorides <u>7000</u> ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2235</u> PSI	Recorder No. <u>6667</u>	Test <u> </u>
(B) First Initial Flow Pressure	<u>155</u> PSI	(depth) <u>4402</u>	Elec. Rec. <u> </u>
(C) First Final Flow Pressure	<u>130</u> PSI	Recorder No. <u>11019</u>	Jars <u> </u>
(D) Initial Shut-In Pressure	<u>659</u> PSI	(depth) <u>4408</u>	Safety Jt. <u> </u>
(E) Second Initial Flow Pressure	<u>164</u> PSI	Recorder No. <u> </u>	Circ Sub <u>NC</u>
(F) Second Final Flow Pressure	<u>190</u> PSI	(depth) <u> </u>	Sampler <u> </u>
(G) Final Shut-In Pressure	<u>655</u> PSI	Initial Opening <u>30</u>	Straddle <u> </u>
(Q) Final Hydrostatic Mud	<u>2062</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer <u> </u>
		Final Flow <u>30</u>	Shale Packer <u> </u>
		Final Shut-In <u>60</u>	Mileage <u>90</u>
		T-On Location <u>1715</u>	Sub Total: <u>1190</u>
		T-Started <u>1736</u>	Std. By <u> </u>
		T-Open <u> </u>	Other <u>Accessibility #150</u>
		T-Pulled <u> </u>	Total: <u>11290</u>
		T-Out <u>01500</u>	

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Approved By Kent Roberts

Our Representative Robert J. Schubert



7-14-05

VOLUME REPORT
Rucker #2

~~AGV~~ AGV Corp
OPERATOR

OPERATOR

4401-4411

WELL NAME AND NO.

DST NO

Initial Flow

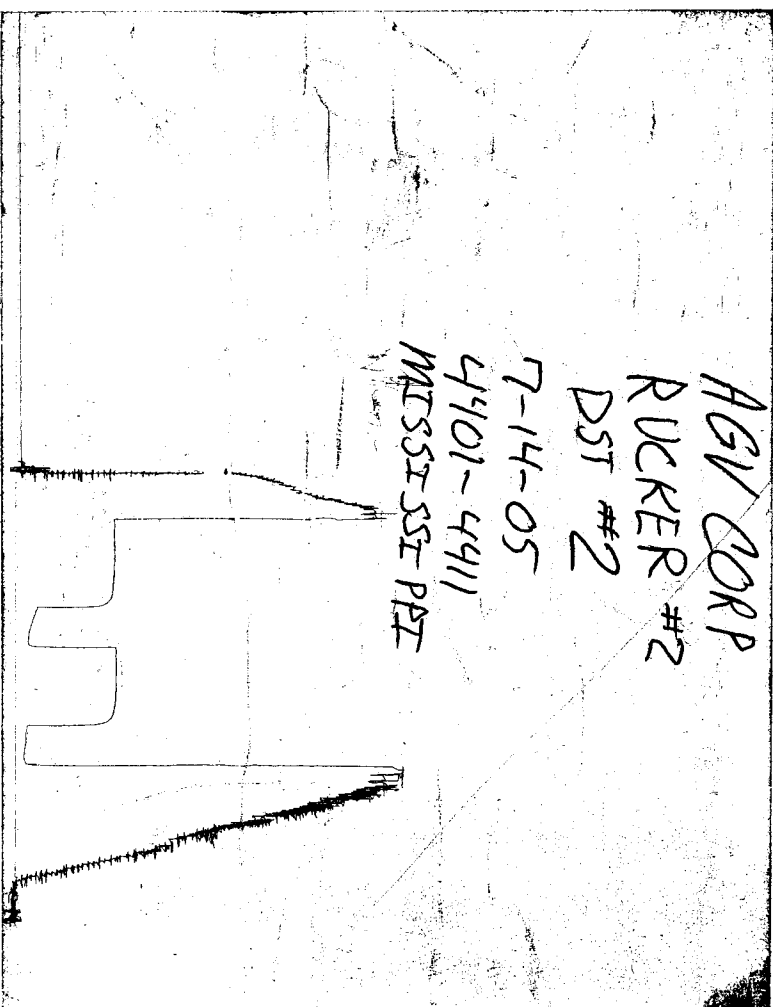
Mississippi

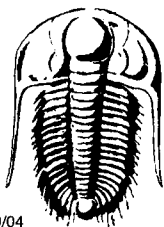
Final Flow

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CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

7689

No 21720

Test Ticket

Well Name & No. Rucker #2 Test No. 3 Date 7-15-05
 Company AGU Corp. Zone Tested Miss.
 Address 123 N. Main, Attica, Ks. 67009 Elevation 1449 KB 1440 GL
 Co. Rep / Geo. Kent Roberts Cont. Val Energy #3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 27 Twp. 32S Rge. 10W Co. Barber State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4416 - 4428' Initial Str Wt./Lbs. 64,000 Unseated Str Wt./Lbs. 65,000
 Anchor Length 12 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 76,000
 Top Packer Depth 4411 & 4416' Tool Weight 2100 lb
 Bottom Packer Depth 4428' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4528' Wt. Pipe Run None Drill Collar Run 30
 Mud Wt. 9.2 LCM 5# Vis. 47 WL 18.00 Drill Pipe Size 4 1/2" Ft. Run 4387'
 Blow Description IF: Strong below B.O.B. in 20 sec. GTS in 24 mins. (see gas flow report) ISI: Strong below B.O.B. FF: Strong below. (see gas flow report) FSI: Weak below 1/2-2".

Recovery - Total Feet 375 GIP yes Ft. in DC 30 Ft. in DP 340
 Rec. 125 Feet of 680 G MW %gas 16 %oil 75 %water 5 %mud
 Rec. 60 Feet of 50 CW %gas 5 %oil 95 %water _____ %mud
 Rec. 180 Feet of SW %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 124 °F Gravity N/A °API D @ _____ °F Corrected Gravity N/A °API
 RW .03 @ 81 °F Chlorides 127,000 ppm Recovery _____ Chlorides 18,000 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2135</u> PSI	<u>6735</u>	<u>✓ 1050</u>
(B) First Initial Flow Pressure	<u>26</u> PSI	(depth) <u>4417'</u>	Jars _____
(C) First Final Flow Pressure	<u>80</u> PSI	Recorder No. <u>10290</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>244</u> PSI	(depth) <u>4424'</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>129</u> PSI	Recorder No. <u>13222</u>	Sampler <u>✓</u>
(F) Second Final Flow Pressure	<u>175</u> PSI	(depth) <u>4523'</u>	Straddle <u>✓ 250</u>
(G) Final Shut-In Pressure	<u>616</u> PSI	Initial Opening <u>30</u>	Ext. Packer <u>✓ 150</u>
(Q) Final Hydrostatic Mud	<u>2154</u> PSI	Initial Shut-In <u>4565</u>	Shale Packer _____
		Final Flow <u>30</u>	Ruined Packer _____
		Final Shut-In <u>60</u>	Mileage <u>✓ 90</u>
		T-On Location <u>2020</u>	Sub Total: <u>1540.00</u>
		T-Started <u>2126</u>	Std. By _____
		T-Open <u>2335</u>	Other <u>✓ 150.00</u>
		T-Pulled <u>0225</u>	Total: <u>1690.00</u>
		T-Out <u>0337</u>	

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Approved By Kent Roberts

Our Representative Gary P. Roberts

ACCESS TO CHARGE. ACCESS TO



GAS VOLUME REPORT

Rucker # 2

WELL NAME AND NO.

3
DST NO

Initial Open

Final Open

Remarks:

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

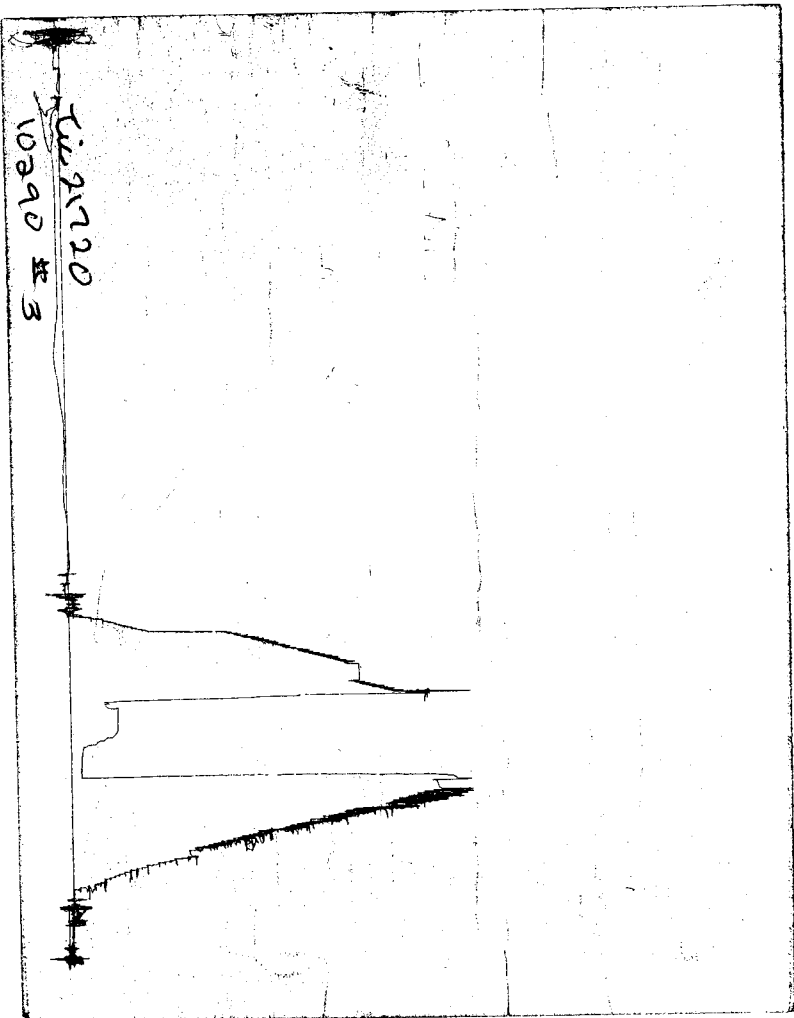


CHART PAGE

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