

## DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr.Associates,Inc.**

1670 Broadway, Ste. 3300  
Denver CO 80202

ATTN: Tom Fertal

**26-17s-10w**

**Woydziak # 1-26**

Start Date: 2005.06.01 @ 02:11:43

End Date: 2005.06.01 @ 09:35:13

Job Ticket #: 22514                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Samuel Gary Jr.Associates,Inc.

Woydziak # 1-26

26-17s-10w

DST # 1

L.K.C.

2005.06.01



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Samuel Gary Jr. Associates, Inc.

1670 Broadway, Ste. 3300  
Denver CO 80202

ATTN: Tom Fertal

Woydziak # 1-26

26-17s-10w

Job Ticket: 22514

DST#: 1

Test Start: 2005.06.01 @ 02:11:43

### GENERAL INFORMATION:

Formation: L.Kc.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:00:43

Time Test Ended: 09:35:13

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: 2992.00 ft (KB) To 3012.00 ft (KB) (TVD)

Total Depth: 3012.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1785.00 ft (KB)

1780.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: 387.06 psig @ 2994.00 ft (KB)

Start Date: 2005.06.01

End Date:

2005.06.01

Start Time: 02:11:44

End Time:

09:35:13

Capacity: 7000.00 psig

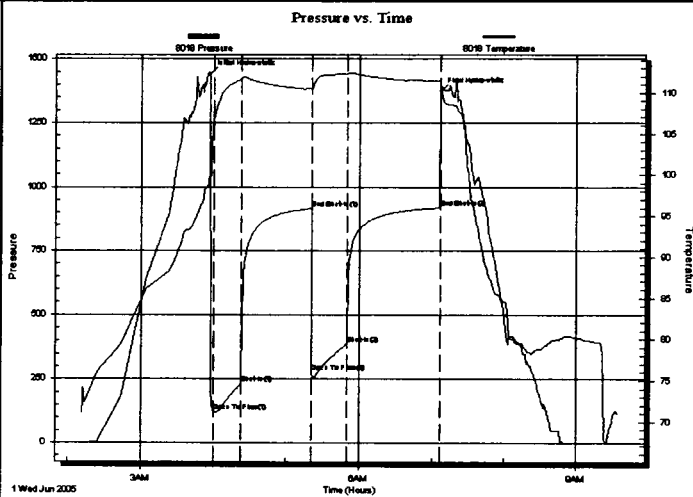
Last Calib.: 2005.06.01

Time On Btm: 2005.06.01 @ 03:57:13

Time Off Btm: 2005.06.01 @ 07:06:43

TEST COMMENT: F-Strong B.O.B. 10 Sec.  
FF-Strong B.O.B. 10 Sec.

IS-Strong B.O.B. 18 min.  
FSI-Strong B.O.B. 10 min.



### PRESSURE SUMMARY

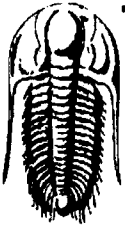
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1442.11	99.88	Initial Hydro-static
4	124.03	106.78	Open To Flow (1)
26	232.54	111.64	Shut-In(1)
84	915.62	110.54	End Shut-In(1)
84	277.01	110.28	Open To Flow (2)
113	387.06	112.29	Shut-In(2)
189	918.83	111.47	End Shut-In(2)
190	1375.60	111.57	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
900.00	Salt water	12.62
0.00	Gas to Surface	0.00

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	7.00	8.01
Last Gas Rate	0.13	1.00	5.76
Max. Gas Rate	0.13	9.00	8.76



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Samuel Gary Jr. Associates, Inc.

**Woydziak # 1-26**

1670 Broadway, Ste. 3300  
Denver CO 80202

**26-17s-10w**

Job Ticket: 22514

**DST#: 1**

ATTN: Tom Fertal

Test Start: 2005.06.01 @ 02:11:43

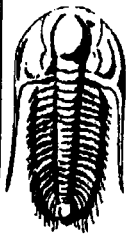
### Tool Information

Drill Pipe:	Length: 2967.00 ft	Diameter: 3.80 inches	Volume: 41.62 bbl	Tool Weight: 2800.00 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: 30000.00 lb
			<u>Total Volume: 41.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 25000.00 lb
Depth to Top Packer:	2992.00 ft			Final 28000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:  
Sampler-3 cubic feet gas Pre.-850-PSI

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2962.00	
Shut In Tool	5.00			2967.00	
Sampler	3.00			2970.00	
Hydraulic tool	5.00			2975.00	
Jars	5.00			2980.00	
Safety Joint	3.00			2983.00	
Packer	4.00			2987.00	31.00 Bottom Of Top Packer
Packer	5.00			2992.00	
Stubb	1.00			2993.00	
Perforations	1.00			2994.00	
Recorder	0.00	8018	Inside	2994.00	
Perforations	15.00			3009.00	
Recorder	0.00	13308	Outside	3009.00	
Bullnose	3.00			3012.00	20.00 Bottom Packers & Anchor

**Total Tool Length: 51.00**



**TRILOBITE  
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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Samuel Gary Jr. Associates, Inc.

**Woydziak # 1-26**

1670 Broadway, Ste. 3300  
Denver CO 80202

**26-17s-10w**

Job Ticket: 22514

**DST#: 1**

ATTN: Tom Fertal

Test Start: 2005.06.01 @ 02:11:43

**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:

90000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.38 in<sup>3</sup>

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
900.00	Salt water	12.625
0.00	Gas to Surface	0.000

Total Length: 900.00 ft      Total Volume: 12.625 bbl

Num Fluid Samples: 0

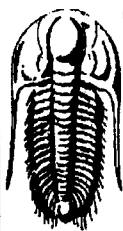
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Samuel Gary Jr. Associates, Inc.

**Woydziak # 1-26**

1670 Broadway, Ste. 3300  
Denver CO 80202

**26-17s-10w**

Job Ticket: 22514

**DST#: 1**

ATTN: Tom Fertal

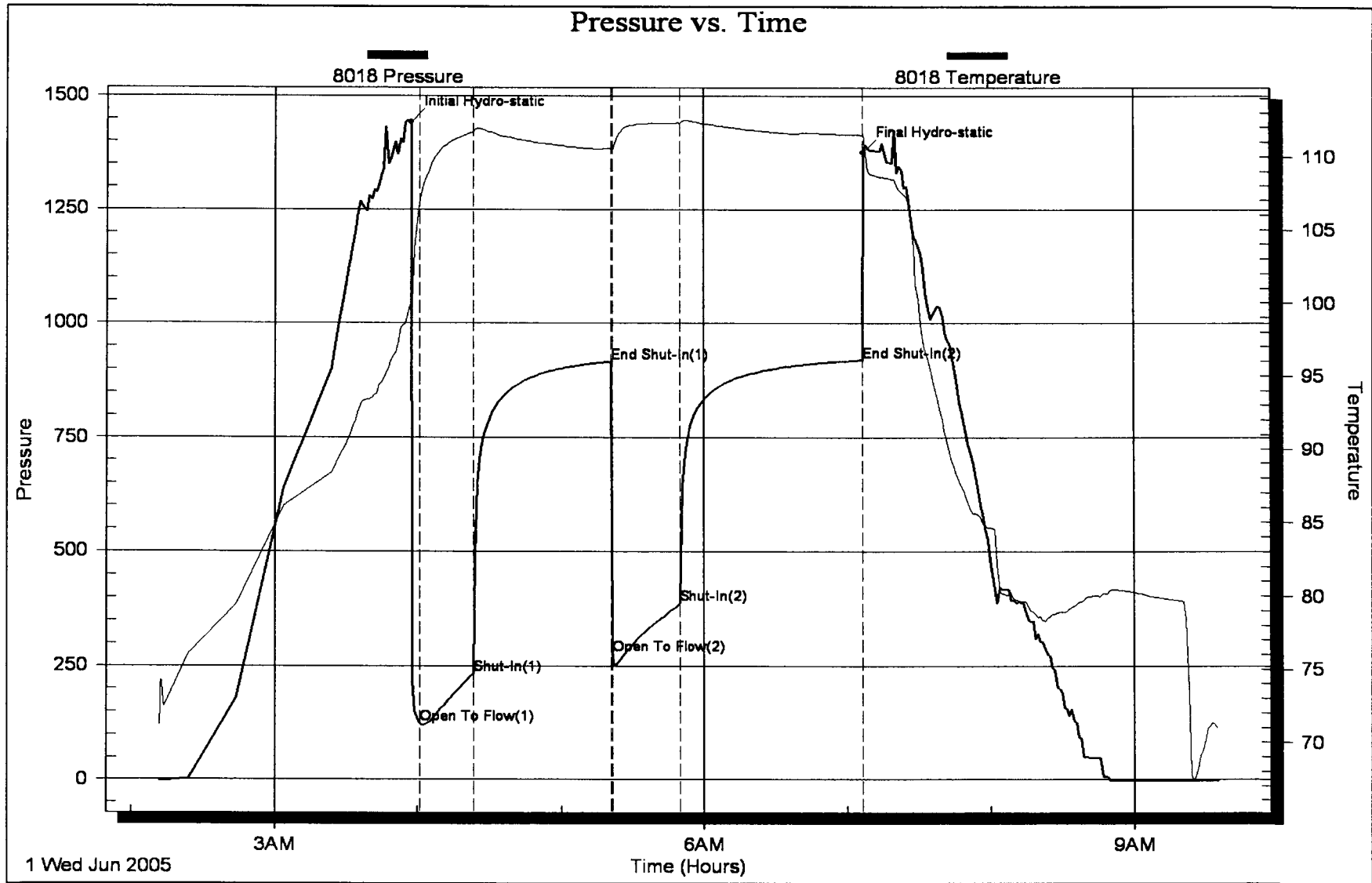
Test Start: 2005.06.01 @ 02:11:43

## 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 <sup>3</sup> /d)
1	10	0.13	7.00	8.01
1	15	0.13	9.00	8.76
1	20	0.13	8.00	8.38
2	10	0.13	4.00	6.89
2	20	0.13	2.00	6.14
2	30	0.13	1.00	5.76





## DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr.Associates,Inc.**

1670 Broadway, Ste.3300  
Denver CO 80202

ATTN: Tom Fertal

**26-17s-10w**

**Woydziak # 1-26**

Start Date: 2005.06.02 @ 08:32:23

End Date: 2005.06.02 @ 15:10:53

Job Ticket #: 22515                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Samuel Gary Jr.Associates,Inc.

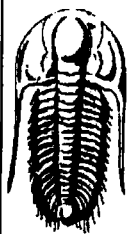
Woydziak # 1-26

26-17s-10w

DST # 2

Arbuckle

2005.06.02



**TRILOBITE  
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## DRILL STEM TEST REPORT

Samuel Gary Jr. Associates, Inc.

**Woydziak # 1-26**

1670 Broadway, Ste. 3300  
Denver CO 80202

**26-17s-10w**

Job Ticket: 22515

**DST#: 2**

ATTN: Tom Fertal

Test Start: 2005.06.02 @ 08:32:23

### GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 10:13:53

Time Test Ended: 15:10:53

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **31**

Interval: **3235.00 ft (KB) To 3265.00 ft (KB) (TVD)**

Reference Elevations: **1785.00 ft (KB)**

Total Depth: **3265.00 ft (KB) (TVD)**

**1780.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **5.00 ft**

**Serial #: 8018**

**Inside**

Press@RunDepth: **44.64 psig @ 3237.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.06.02** End Date: **2005.06.02**

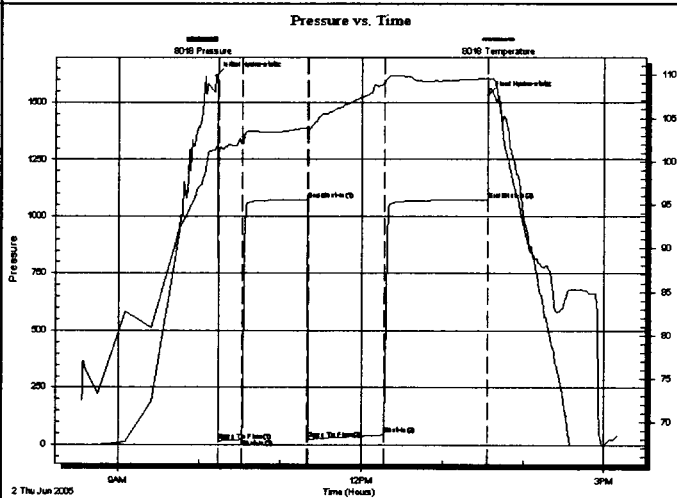
Last Calib.: **2005.06.02**

Start Time: **08:32:24** End Time: **15:10:53**

Time On Btm: **2005.06.02 @ 10:12:23**

Time Off Btm: **2005.06.02 @ 13:33:23**

TEST COMMENT: **F- Weak built to 1" in. ISI-Dead**  
**FF-Weak built to 1&1/2" in. FSI-Dead**



### PRESSURE SUMMARY

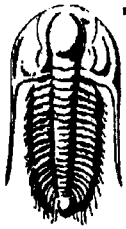
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1616.88	101.65	Initial Hydro-static
2	15.86	101.41	Open To Flow (1)
20	24.03	102.04	Shut-In(1)
67	1072.25	103.93	End Shut-In(1)
68	25.39	103.61	Open To Flow (2)
124	44.64	109.10	Shut-In(2)
201	1072.14	109.60	End Shut-In(2)
201	1532.54	109.75	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
65.00	Muddy Water	0.91

### Gas Rates

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



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**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Samuel Gary Jr. Associates, Inc.

**Woydziak # 1-26**

1670 Broadway, Ste. 3300  
Denver CO 80202

**26-17s-10w**

Job Ticket: 22515

**DST#: 2**

ATTN: Tom Fertal

Test Start: 2005.06.02 @ 08:32:23

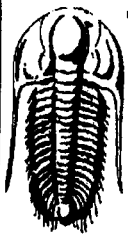
**Tool Information**

Drill Pipe:	Length: 3217.00 ft	Diameter: 3.80 inches	Volume: 45.13 bbl	Tool Weight: 2800.00 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: 35000.00 lb
			<u>Total Volume: 45.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 27000.00 lb
Depth to Top Packer:	3235.00 ft			Final 27000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:  
Sampler-4,000 ml w ater-Pressure-240

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3205.00	
Shut In Tool	5.00			3210.00	
Sampler	3.00			3213.00	
Hydraulic tool	5.00			3218.00	
Jars	5.00			3223.00	
Safety Joint	3.00			3226.00	
Packer	4.00			3230.00	31.00 Bottom Of Top Packer
Packer	5.00			3235.00	
Stubb	1.00			3236.00	
Perforations	1.00			3237.00	
Recorder	0.00	8018	Inside	3237.00	
Perforations	25.00			3262.00	
Recorder	0.00	13308	Outside	3262.00	
Bullnose	3.00			3265.00	30.00 Bottom Packers & Anchor

**Total Tool Length: 61.00**



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## DRILL STEM TEST REPORT

**FLUID SUMMARY**

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**Woydziak # 1-26**

1670 Broadway, Ste. 3300  
Denver CO 80202

**26-17s-10w**

Job Ticket: 22515

**DST#: 2**

ATTN: Tom Fertal

Test Start: 2005.06.02 @ 08:32:23

### 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:	14000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.38 in <sup>3</sup>	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
65.00	Muddy Water	0.912

Total Length: 65.00 ft      Total Volume: 0.912 bbl

Num Fluid Samples: 0

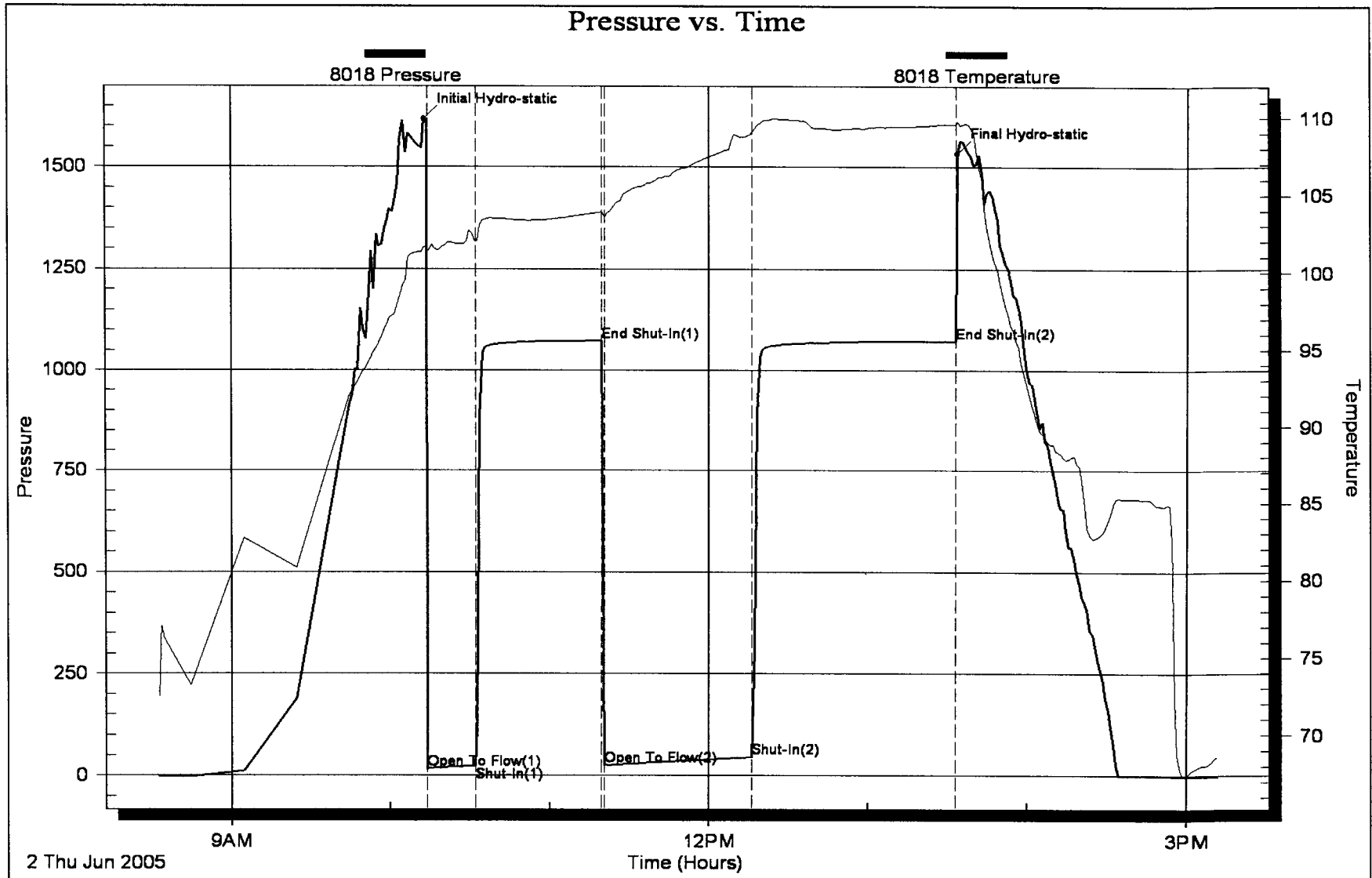
Num Gas Bombs: 0

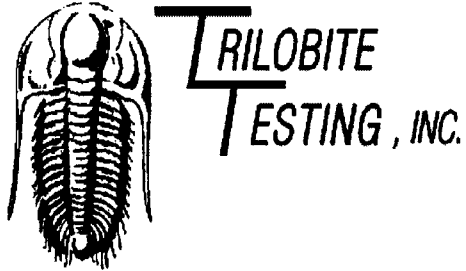
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr.Associates,Inc.**

1670 Broadway,Ste.3300  
Denver CO 80202

ATTN: Tom Fertal

**26-17s-10w**

**Woydziak # 1-26**

Start Date: 2005.06.02 @ 21:27:17

End Date: 2005.06.03 @ 05:16:47

Job Ticket #: 22516                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Samuel Gary Jr.Associates,Inc.

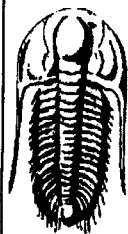
Woydziak # 1-26

26-17s-10w

DST # 3

Arbuckle

2005.06.02



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Samuel Gary Jr. Associates, Inc.

**Woydziak # 1-26**

1670 Broadway, Ste. 3300  
Denver CO 80202

**26-17s-10w**

Job Ticket: 22516

**DST#: 3**

ATTN: Tom Fertal

Test Start: 2005.06.02 @ 21:27:17

### GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 23:17:17

Time Test Ended: 05:16:47

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **31**

Interval: **3258.00 ft (KB) To 3273.00 ft (KB) (TVD)**

Reference Elevations: **1785.00 ft (KB)**

Total Depth: **3273.00 ft (KB) (TVD)**

**1780.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **5.00 ft**

**Serial #: 8018**

**Inside**

Press@RunDepth: **176.46 psig @ 3260.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.06.02**

End Date:

**2005.06.03**

Last Calib.: **2005.06.03**

Start Time: **21:27:18**

End Time:

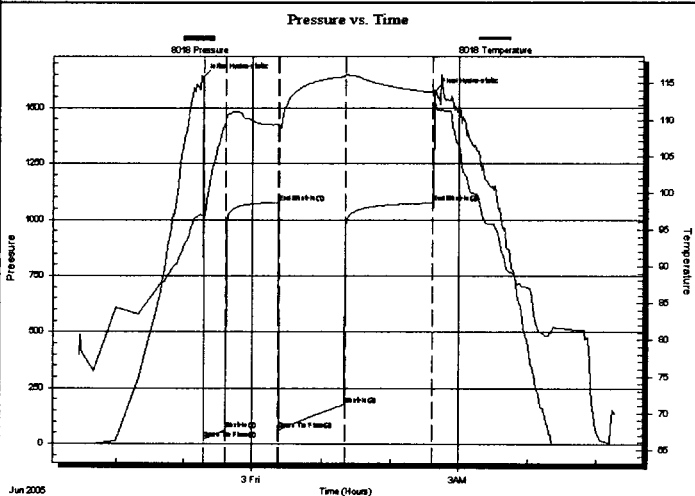
**05:16:47**

Time On Btrt: **2005.06.02 @ 23:16:47**

Time Off Btrt: **2005.06.03 @ 02:38:17**

TEST COMMENT: **F-Strong B.O.B. 19 min.**  
**FF-Strong B.O.B. 19 min.**

**ISI-Dead**  
**FSI-Dead**



### PRESSURE SUMMARY

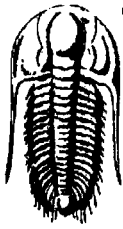
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1634.54	96.81	Initial Hydro-static
1	20.69	96.36	Open To Flow (1)
20	63.92	109.91	Shut-In(1)
66	1076.88	109.40	End Shut-In(1)
66	63.01	109.02	Open To Flow (2)
123	176.46	115.94	Shut-In(2)
200	1074.49	113.78	End Shut-In(2)
202	1574.23	112.98	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
360.00	Salt water	5.05

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Samuel Gary Jr. Associates, Inc.

**Woydziak # 1-26**

1670 Broadway, Ste. 3300  
Denver CO 80202

**26-17s-10w**

Job Ticket: 22516

**DST#: 3**

ATTN: Tom Fertal

Test Start: 2005.06.02 @ 21:27:17

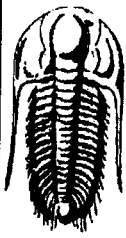
**Tool Information**

Drill Pipe:	Length: 3247.00 ft	Diameter: 3.80 inches	Volume: 45.55 bbl	Tool Weight: 2800.00 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: 30000.00 lb
			<u>Total Volume: 45.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 27000.00 lb
Depth to Top Packer:	3258.00 ft			Final 28000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 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
Change Over Sub	1.00			3228.00	
Shut In Tool	5.00			3233.00	
Sampler	3.00			3236.00	
Hydraulic tool	5.00			3241.00	
Jars	5.00			3246.00	
Safety Joint	3.00			3249.00	
Packer	4.00			3253.00	31.00 Bottom Of Top Packer
Packer	5.00			3258.00	
Stubb	1.00			3259.00	
Perforations	1.00			3260.00	
Recorder	0.00	8018	Inside	3260.00	
Perforations	10.00			3270.00	
Recorder	0.00	13308	Outside	3270.00	
Bullnose	3.00			3273.00	15.00 Bottom Packers & Anchor

**Total Tool Length: 46.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. Associates, Inc.

Woydziak # 1-26

1670 Broadway, Ste. 3300  
Denver CO 80202

26-17s-10w

Job Ticket: 22516

DST#: 3

ATTN: Tom Fertal

Test Start: 2005.06.02 @ 21:27:17

### 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:

19999 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.19 in<sup>3</sup>

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 6300.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	Salt water	5.050

Total Length: 360.00 ft      Total Volume: 5.050 bbl

Num Fluid Samples: 0

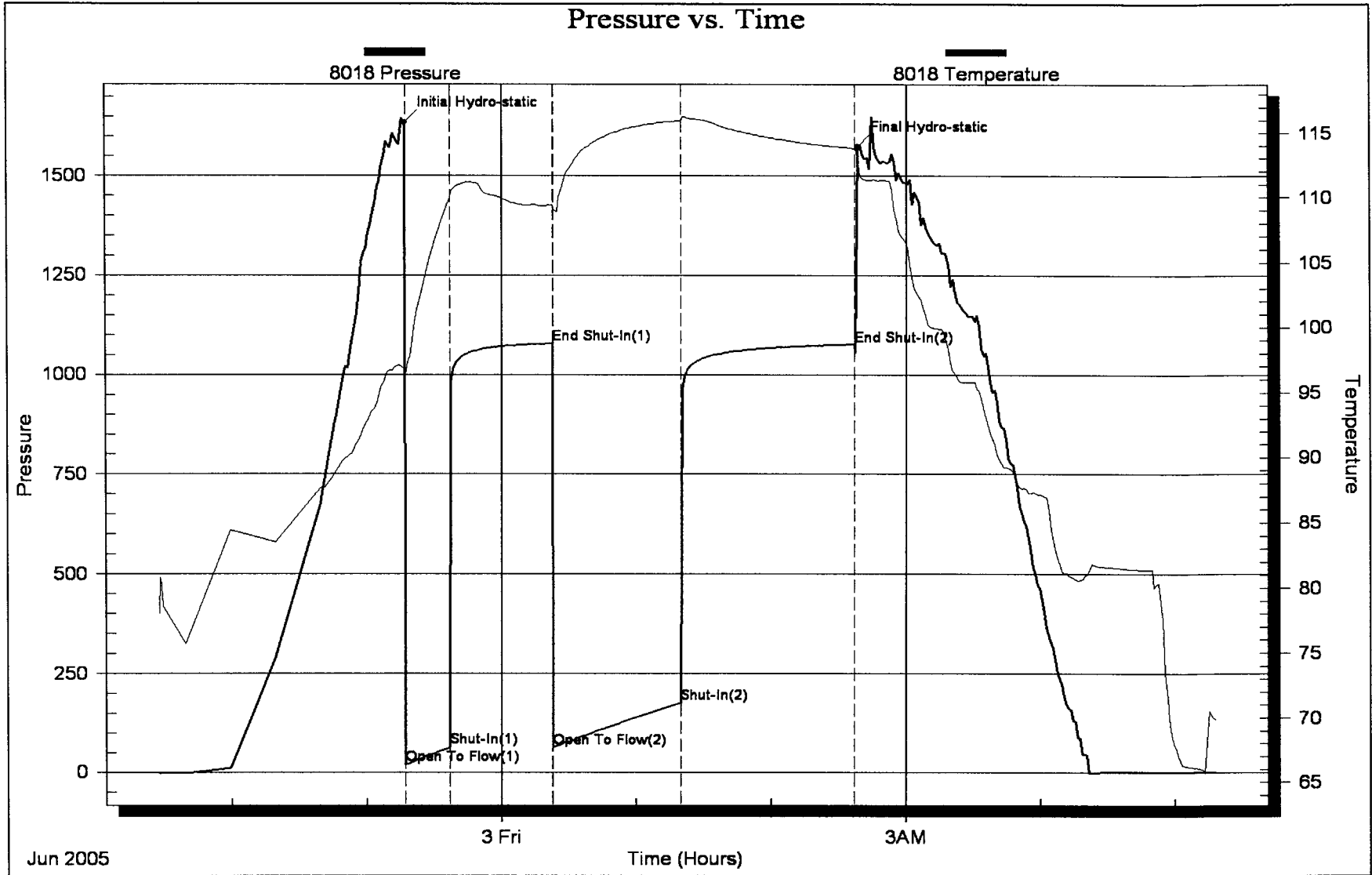
Num Gas Bombs: 0

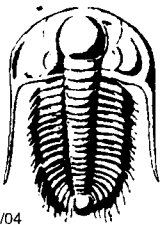
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV  
7547

No 22514

9/04

## Test Ticket

Well Name & No. WOYDZIAK #1-26 Test No. #1 Date 6-1-05  
 Company SAMUEL GARY JR. & ASSOCIATES, INC Zone Tested L. Kc.  
 Address 1670 BROADWAY, STE. 3300, DENVER, CO, 80202 Elevation 1785 KB 1780 GL  
 Co. Rep / Geo. RENE HUSTEAD Cont. PETROMARK #2 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 26 Twp. 17s Rge. 10w Co. ELLSWORTH State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 2992 TO 3012 Initial Str Wt./Lbs. 25,000 Unseated Str Wt/Lbs. 28,000  
 Anchor Length 20' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 39,000  
 Top Packer Depth 2987 Tool Weight 2800  
 Bottom Packer Depth 2992 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 3012 Wt. Pipe Run 0 Drill Collar Run 0  
 Mud Wt. 9.0 LCM TR Vis. 58 WL 8.4 Drill Pipe Size 4 1/2 XH Ft. Run 2967  
 Blow Description FF-STRONG B.O.B 10-SEC. G.T.S. 3-MIN. F.S.F.-STRONG  
B.O.B. 18-MIN. FF-STRONG B.O.B. 10 SEC. F.S.F.-STRONG B.O.B. 10  
MIN.

GAS WILL BURN

Recovery - Total Feet 900 GIP G.T.S. Ft. in DC 0 Ft. in DP 900  
 Rec. 900 Feet of SALT WATER %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 \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 111 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW .1 @ 62 °F Chlorides 90,000 ppm Recovery \_\_\_\_\_ Chlorides 4,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1442</u> PSI	<u>8018</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure		<u>124</u> PSI	(depth) <u>2294</u>	Jars <u>✓</u>
(C) First Final Flow Pressure		<u>232</u> PSI	Recorder No. <u>13308</u>	Safety Jt. <u>✓</u>
(D) Initial Shut-In Pressure		<u>915</u> PSI	(depth) <u>3009</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>277</u> PSI	Recorder No. _____	Sampler <u>✓</u>
(F) Second Final Flow Pressure		<u>387</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>918</u> PSI	Initial Opening <u>20</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1375</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Rene Hustead  
 Our Representative John Schmidt

Final Flow 30  
 Final Shut-In 75  
 T-On Location 01:15  
 T-Started 02:11  
 T-Open 04:00  
 T-Pulled 07:06  
 T-Out 09:35  
 Mileage RT. 145  
 Sub Total: 1545  
 Std. By 6hr 15  
 Other \_\_\_\_\_  
 Total: \$1560

# TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. #22514 Date 6-1-05  
Company Name SAMUEL BARY JR. & ASSOCIATES, INC  
Lease WOYDZIAK # 1-26 Test No. #1  
County ELLSWORTH Sec. 26 Twp. 17S Rng. 10W

### SAMPLER RECOVERY

Gas 4,000 ML  
Oil 0 ML  
Mud 0 ML  
Water 0 ML  
Other 0 ML  
Pressure 850 PSI  
Total 4,000 - GAS ML

### PIT MUD ANALYSIS

Chlorides 4,000 ppm.  
Resistivity - ohms @ - F  
Viscosity 58  
Mud Weight 9.0  
Filtrate 8.4  
Other LCM-TR.

### SAMPLER ANALYSIS

Resistivity - ohms @ - F  
Chlorides - ppm.  
Gravity - corrected @ 60 F

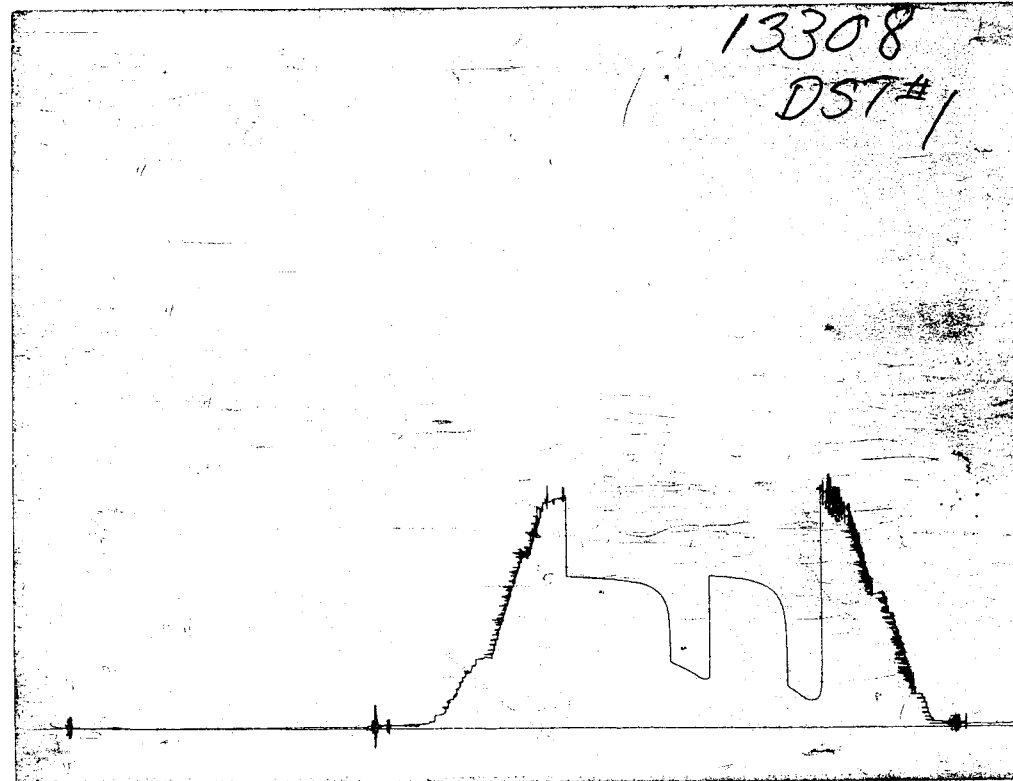
### PIPE RECOVERY

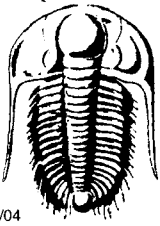
TOP  
Resistivity ~~0.1~~ 0.1 ohms @ 62 F  
Chlorides 90,000 ppm.  
MIDDLE  
Resistivity 0.1 ohms @ 62 F  
Chlorides 90,000 ppm.  
BOTTOM  
Resistivity 1 ohms @ 62 F  
Chlorides 90,000 ppm.



**CHART PAGE**

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22515

9/04

## Test Ticket

Well Name & No. WOYDZIAK #1-26 Test No. #2 Date 6-2-05  
 Company SAMUEL GARY JR. & ASSOCIATES, INC. Zone Tested ARBUCKLE  
 Address \_\_\_\_\_ Elevation 1785 KB 1780 GL  
 Co. Rep / Geo. RENE HUSTEAD Cont. PETROMARK #2 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 26 Twp. 17s Rge. 10W Co. ELLSWORTH State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 3235 To 3265 Initial Str Wt./Lbs. 27,000 Unseated Str Wt/Lbs. 27,000  
 Anchor Length 30' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 35,000  
 Top Packer Depth 3230 Tool Weight 2,800  
 Bottom Packer Depth 3235 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 3265 Wt. Pipe Run 0 Drill Collar Run 0  
 Mud Wt. 9.0 LCM 0 Vis. 43 WL 10.0 Drill Pipe Size 4 1/2 XH Ft. Run 3217  
 Blow Description IF-WEAK BUILT TO 1" IN. ISI-DEAD  
FE-WEAK BUILT TO 1 1/2" IN. FSI-DEAD

Recovery - Total Feet 65 GIP 0 Ft. in DC 0 Ft. in DP 65  
 Rec. 65 Feet of MUDDY WATER %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water 65 %mud 35  
 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 109 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW .47 @ 70 °F Chlorides 14,000 ppm Recovery \_\_\_\_\_ Chlorides 5,300 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1616</u> PSI		<u>8018</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure	<u>15</u> PSI		(depth) <u>3237</u>	Jars <u>✓</u>
(C) First Final Flow Pressure	<u>24</u> PSI		Recorder No. <u>13308</u>	Safety Jt. <u>✓</u>
(D) Initial Shut-In Pressure	<u>1072</u> PSI		(depth) <u>3232</u>	Circ Sub <u>✓</u>
(E) Second Initial Flow Pressure	<u>25</u> PSI		Recorder No. _____	Sampler <u>✓</u>
(F) Second Final Flow Pressure	<u>44</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1072</u> PSI	Initial Opening <u>20</u>		Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1532</u> PSI	Initial Shut-In <u>45</u>		Shale Packer _____

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Approved By R. Rene Hustead  
 Our Representative John J. Schmidt

Final Flow 60 Ruined Packer \_\_\_\_\_  
 Final Shut-In 7.5 Mileage R.T. 51  
 T-On Location 07:30 Sub Total: 1451  
 T-Started 08:32 Std. By \_\_\_\_\_  
 T-Open 10:13 Other \_\_\_\_\_  
 T-Pulled 13:33 Total: \_\_\_\_\_  
 T-Out 15:10

# TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. #22515 Date 6-2-05  
Company Name SAMUEL GARY JR. + ASSOCIATES, INC.  
Lease WOYDZIAK # 1-26 Test No. #2  
County ELLSWORTH Sec. 26 Twp. 17s Rng. 10w

### SAMPLER RECOVERY

Gas — ML  
Oil — ML  
Mud — ML  
Water 4,000 ML  
Other — ML  
Pressure 240 PSI  
Total 4000 ML

### PIT MUD ANALYSIS

Chlorides 5,300 ppm.  
Resistivity — ohms @ — F  
Viscosity 43  
Mud Weight 9.0  
Filtrate 10.0  
Other LCM - 0

### SAMPLER ANALYSIS

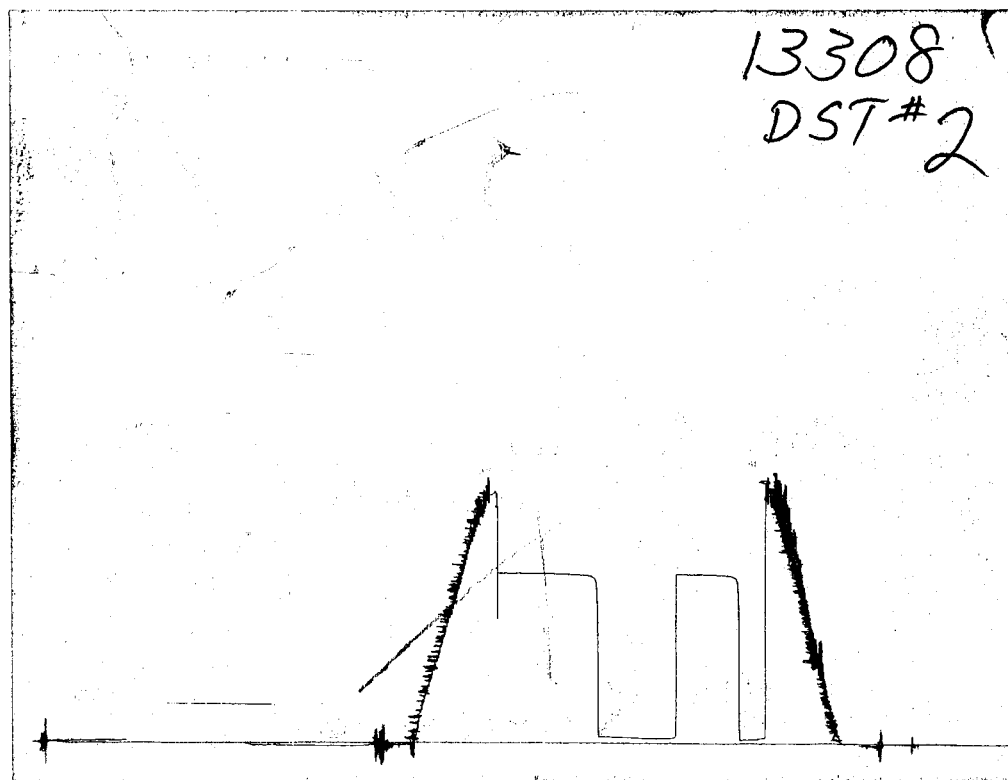
Resistivity .47 ohms @ 70 F  
Chlorides 14,000 ppm.  
Gravity — corrected @ 60 F

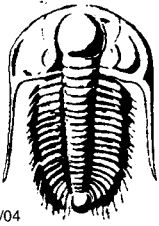
### PIPE RECOVERY

TOP  
Resistivity .47 ohms @ 70 F  
Chlorides 14,000 ppm.  
MIDDLE  
Resistivity — ohms @ — F  
Chlorides — ppm.  
BOTTOM  
Resistivity — ohms @ — F  
Chlorides — ppm.

**CHART PAGE**

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22516

9/04

## Test Ticket

Well Name & No. WOYDZIAK #1-26 Test No. #3 Date 6-2-05  
 Company SAMUEL GARY JR. & ASSOCIATES, INC. Zone Tested ARBUCKLE  
 Address \_\_\_\_\_ Elevation 1785 KB 1780 GL \_\_\_\_\_  
 Co. Rep / Geo. RENE HUSTEAD Cont. PETROMARK #2 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 26 Twp. 17s Rge. 10W Co. ELLSWORTH State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 3258 To 3273 Initial Str Wt./Lbs. 27,000 Unseated Str Wt./Lbs. 28,000  
 Anchor Length 15' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 30,000  
 Top Packer Depth 3253 Tool Weight 2,800  
 Bottom Packer Depth 3258 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 3273 Wt. Pipe Run 0 Drill Collar Run 0  
 Mud Wt. 9.4 LCM 0 Vis. 53 WL 10.2 Drill Pipe Size 4 1/2 XH Ft. Run 3247  
 Blow Description IF-STRONG B.O.B. 19-MIN. FSI-DEAD  
FF-STRONG B.O.B. 19-MIN. FSI-PEAD

Recovery - Total Feet 360 GIP 0 Ft. in DC 0 Ft. in DP 360  
 Rec. 360 Feet of SALT WATER %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 \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 113 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW .37 @ 67 °F Chlorides 19,000 ppm Recovery \_\_\_\_\_ Chlorides 6,300 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1634</u> PSI	<u>8018</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure		<u>20</u> PSI	(depth) <u>3260</u>	Jars <u>✓</u>
(C) First Final Flow Pressure		<u>63</u> PSI	Recorder No. <u>13308</u>	Safety Jt. <u>✓</u>
(D) Initial Shut-In Pressure		<u>1074</u> PSI	(depth) <u>3270</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>63</u> PSI	Recorder No. _____	Sampler <u>✓</u>
(F) Second Final Flow Pressure		<u>176</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>1074</u> PSI	Initial Opening <u>20</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1574</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____
			Final Flow <u>60</u>	Ruined Packer _____
			Final Shut-In <u>75</u>	Mileage <u>R.T. 11</u>
			T-On Location <u>21:00</u>	Sub Total: <u>1411</u>
			T-Started <u>21:27</u>	Std. By _____
			T-Open <u>23:17</u>	Other _____
			T-Pulled <u>02:38</u>	Total: _____
			T-Out <u>05:16</u>	

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Approved By G. Rene Hustead  
 Our Representative John J. Schmidt



# TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. # 22516 Date 6-2-05

Company Name SAM GARY

Lease WOYDZIAK #1-26 Test No. #3

County ELLSWORTH Sec. 26 Twp. 17s Rng. 10w

### SAMPLER RECOVERY

Gas 0 ML

Oil 0 ML

Mud 0 ML

Water 4,000 ML

Other 0 ML

Pressure 100 ML

Total 4,000 ML

### PIT MUD ANALYSIS

Chlorides 6,300 ppm.

Resistivity - ohms @ - F

Viscosity 53

Mud Weight 9.4

Filtrate 10.2

Other LCM-0

### SAMPLER ANALYSIS

Resistivity .37 ohms @ 67 F

Chlorides 19,000 ppm.

Gravity \_\_\_\_\_ corrected @60F

### PIPE RECOVERY

TOP Resistivity .37 ohms @ 67 F

Chlorides 19,000 ppm.

MIDDLE Resistivity - ohms @ - F

Chlorides \_\_\_\_\_ ppm.

BOTTOM Resistivity - ohms @ - F

Chlorides \_\_\_\_\_ ppm.

**CHART PAGE**

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

