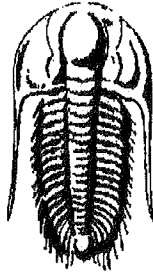


15-159-22571

23-18s-10w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associated Inc**

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Tom Fertal

23 18S 10W Rice KS

Weihe Trust # 3-23

Start Date: 2008.05.27 @ 18:50:15

End Date: 2008.05.28 @ 05:15:45

Job Ticket #: 30395 DST #: 1

**KCC
SEP 11 2008
CONFIDENTIAL**

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Samuel Gary Jr & Associated Inc

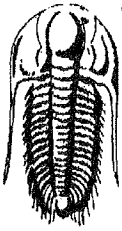
Weihe Trust # 3-23

23 18S 10W Rice KS

DST # 1

Arbuckle

2008.05.27



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Samuel Gary Jr & Associated Inc

Weihe Trust # 3-23

1560 Broadway Ste 2100
Denver CO 80202

23 18S 10W Rice KS

ATTN: Tom Fertal

Job Ticket: 30395

DST#: 1

Test Start: 2008.05.27 @ 18:50:15

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:20:15

Time Test Ended: 05:15:45

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **3250.00 ft (KB) To 3279.00 ft (KB) (TVD)**

Total Depth: 3279.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1758.00 ft (KB)

1748.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8369 Outside

Press@RunDepth: 393.16 psig @ 3251.00 ft (KB)

Start Date: 2008.05.27

End Date:

2008.05.28

Start Time: 18:50:20

End Time:

05:15:45

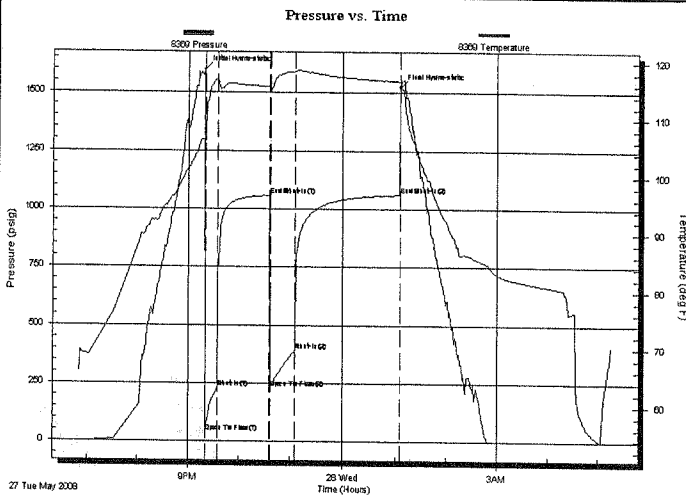
Capacity: 7000.00 psig

Last Calib.: 2008.05.28

Time On Btm: 2008.05.27 @ 21:19:45

Time Off Btm: 2008.05.28 @ 01:05:45

TEST COMMENT: IF Strong BOB in 2 min.
ISI Dead
FF Strong BOB in 6 min.
FSI Dead



PRESSURE SUMMARY

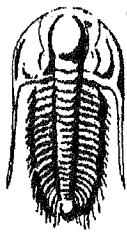
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1596.95 | 106.54 | Initial Hydro-static |
| 1 | 40.27 | 106.31 | Open To Flow (1) |
| 15 | 229.41 | 117.23 | Shut-In (1) |
| 76 | 1057.74 | 115.73 | End Shut-In (1) |
| 77 | 231.11 | 115.29 | Open To Flow (2) |
| 106 | 393.16 | 118.42 | Shut-In (2) |
| 226 | 1060.84 | 116.69 | End Shut-In (2) |
| 226 | 1522.00 | 116.85 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 302.00 | SOCW 5%O 95%W | 1.49 |
| 285.00 | OMCW 5%O 10%M 85%W | 2.11 |
| 240.00 | OWCM 25%O 15%W 60%M | 1.78 |
| 35.00 | Clean Oil | 0.26 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associated Inc

Weihe Trust # 3-23

1560 Broadway Ste 2100
Denver CO 80202

23 18S 10W Rice KS

Job Ticket: 30395

DST#: 1

ATTN: Tom Fertal

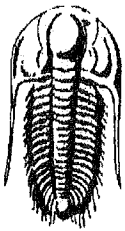
Test Start: 2008.05.27 @ 18:50:15

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 2924.00 ft | Diameter: 2.76 inches | Volume: 21.64 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.76 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 302.00 ft | Diameter: 2.25 inches | Volume: 1.49 bbl | Weight to Pull Loose: 45000.00 lb |
| | | | <u>Total Volume: 23.13 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 4.00 ft | | | String Weight: Initial 39000.00 lb |
| Depth to Top Packer: | 3250.00 ft | | | Final 42000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 6698.00 ft | | | |
| Tool Length: | 6726.00 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 | | | 3223.00 | |
| Shut In Tool | 5.00 | | | 3228.00 | |
| Hydraulic tool | 5.00 | | | 3233.00 | |
| Jars | 5.00 | | | 3238.00 | |
| Safety Joint | 3.00 | | | 3241.00 | |
| Packer | 4.00 | | | 3245.00 | 28.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3250.00 | |
| Stubb | 1.00 | | | 3251.00 | |
| Recorder | 0.00 | 8369 | Outside | 3251.00 | |
| Recorder | 6669.00 | | | 9920.00 | |
| Perforations | 25.00 | | | 9945.00 | |
| Bullnose | 3.00 | | | 9948.00 | 6698.00 Bottom Packers & Anchor |
| Total Tool Length: 6726.00 | | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associated Inc

Weihe Trust # 3-23

1560 Broadway Ste 2100
Denver CO 80202

23 18S 10W Rice KS

ATTN: Tom Fertal

Job Ticket: 30395

DST#: 1

Test Start: 2008.05.27 @ 18:50:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbf

psig

Oil API:

deg API

Water Salinity:

23000 ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbf |
|--------------|---------------------|---------------|
| 302.00 | SOCW 5%O 95%W | 1.485 |
| 285.00 | OMCW 5%O 10%M 85%W | 2.109 |
| 240.00 | OWCM 25%O 15%W 60%M | 1.776 |
| 35.00 | Clean Oil | 0.259 |

Total Length: 862.00 ft

Total Volume: 5.629 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

