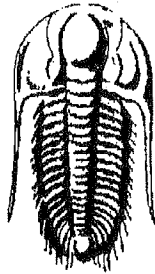


15-009-25174

10-17s-12w

IND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Clifton

10 17S 12W Barton KS

Reif # 1-10

Start Date: 2008.03.29 @ 14:02:58

End Date: 2008.03.29 @ 23:25:58

Job Ticket #: 28849 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Printed: 2008.04.03 @ 11:55:18 Page 1

Samuel Gary Jr & Associates

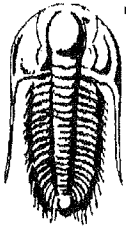
Reif # 1-10

10 17S 12W Barton KS

DST # 1

Arbuckle

2008.03.29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

1560 Broadway Ste 2100
Denver CO 80202

ATTN: Claton

Reif # 1-10

10 17S 12W Barton KS

Job Ticket: 28849

DST#: 1

Test Start: 2008.03.29 @ 14:02:58

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:40:28

Time Test Ended: 23:25:58

Interval: **3307.00 ft (KB) To 3367.00 ft (KB) (TVD)**

Total Depth: 3367.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Kevin Taylor

Unit No: 23

Reference Elevations: 1875.00 ft (KB)

1865.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **8370**

Inside

Press@RunDepth: 131.57 psig @ 3308.00 ft (KB)

Start Date: 2008.03.29

End Date: 2008.03.29

Capacity: 7000.00 psig

Last Calib.: 2008.03.29

Start Time: 14:03:03

End Time: 23:25:58

Time On Btm: 2008.03.29 @ 16:40:13

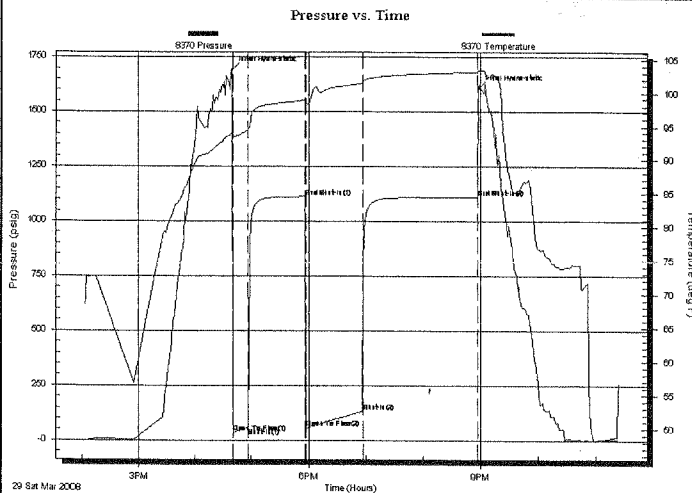
Time Off Btm: 2008.03.29 @ 20:57:58

TEST COMMENT: IF Weak blow built to 4 1/2" in 15 min.

ISI No blow

FF Weak blow BOB In 35 min

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.93	93.94	Initial Hydro-static
1	32.37	93.23	Open To Flow (1)
17	56.07	94.49	Shut-In(1)
77	1111.92	98.92	End Shut-In(1)
77	57.79	98.34	Open To Flow (2)
137	131.57	101.39	Shut-In(2)
258	1110.98	103.14	End Shut-In(2)
258	1603.58	103.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	HOGCM 75%M 20%O 5%G	1.32
190.00	CGO 85%O 15%G	2.78

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates

Reif # 1-10

1560 Broadway Ste 2100
Denver CO 80202

10 17S 12W Barton KS

Job Ticket: 28849

DST#: 1

ATTN: Claton

Test Start: 2008.03.29 @ 14:02:58

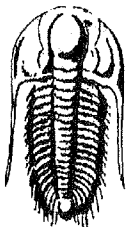
Tool Information

Drill Pipe:	Length: 3305.00 ft	Diameter: 3.88 inches	Volume: 48.33 bbl	Tool Weight:	2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	36000.00 lb
			Total Volume: 48.33 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	30000.00 lb
Depth to Top Packer:	3307.00 ft			Final	32000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	87.00 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			3281.00	
Shut In Tool	5.00			3286.00	
Hydraulic tool	5.00			3291.00	
Jars	5.00			3296.00	
Safety Joint	2.00			3298.00	
Packer	4.00			3302.00	27.00 Bottom Of Top Packer
Packer	5.00			3307.00	
Stubb	1.00			3308.00	
Recorder	0.00	8370	Inside	3308.00	
Recorder	0.00	8289	Inside	3308.00	
Perforations	23.00			3331.00	
Drill Pipe	31.00			3362.00	
Bullnose	5.00			3367.00	60.00 Bottom Packers & Anchor

Total Tool Length: 87.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates

Reif # 1-10

1560 Broadway Ste 2100
Denver CO 80202

10 17S 12W Barton KS

Job Ticket: 28849

DST#: 1

ATTN: Claton

Test Start: 2008.03.29 @ 14:02:58

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	HOGCM 75%M 20%O 5%G	1.316
190.00	CGO 85%O 15%G	2.779

Total Length: 280.00 ft Total Volume: 4.095 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

10 17S 12W Barton KS

Samuel Gary Jr & Associates

Inside

Serial #: 8370

Pressure vs. Time

