

DRILL STEM TEST REPORT

Prepared For: **C H Todd**

100 S Main St, Ste 415
Wichita, KS 67202

ATTN: Kevin Davis

23-30S-34W Stanton

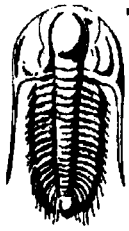
Tucker #2-34

Start Date: 2003.09.15 @ 19:20:18

End Date: 2003.09.16 @ 07:16:01

Job Ticket #: 17696 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

C H Todd

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Tucker #2-34

23-30S-34W Stanton

Job Ticket: 17696

DST#: 1

Test Start: 2003.09.15 @ 19:20:18

GENERAL INFORMATION:

Formation: **Keyes K-3**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:21:46

Time Test Ended: 07:16:01

Test Type: Conventional Bottom Hole

Tester: Rod Steinbrink

Unit No: 22

Interval: **5440.00 ft (KB) To 5551.00 ft (KB) (TVD)**

Total Depth: 5551.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3410.00 ft (KB)

3400.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6751

Inside

Press@RunDepth: 1100.49 psig @ 5441.00 ft (KB)

Start Date: 2003.09.15 End Date: 2003.09.16

Start Time: 19:20:18 End Time: 07:16:01

Capacity: 7000.00 psig

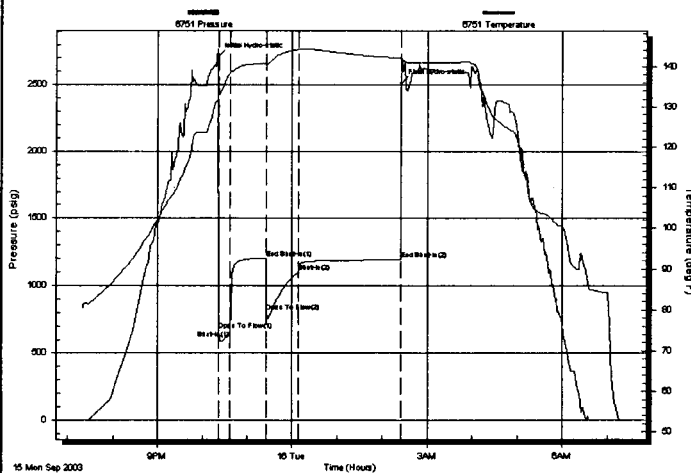
Last Calib.: 1899.12.30

Time On Btm: 2003.09.15 @ 22:21:16

Time Off Btm: 2003.09.16 @ 02:25:01

TEST COMMENT: IF; Strong blow off btm in 1 min GTS @ 8 mins
IS; Blow never died comp,
FF; Strong blow TSTM off btm thru 45 mins
FS; Oil To Surface @ first of Shut-in

Pressure vs. Time



PRESSURE SUMMARY

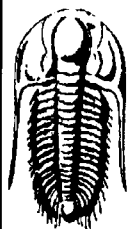
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2709.37	133.27	Initial Hydro-static
1	670.72	133.01	Open To Flow (1)
17	667.25	138.57	Shut-In (1)
64	1200.71	140.66	End Shut-In (1)
65	802.29	140.53	Open To Flow (2)
108	1100.49	144.16	Shut-In (2)
243	1191.67	142.02	End Shut-In (2)
244	2512.19	142.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5413.00	CGO est.60%gas 40%oil	73.22

Gas Rates

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

C H Todd

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23-30S-34W Stanton

Job Ticket: 17696

DST#: 1

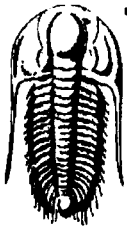
Test Start: 2003.09.15 @ 19:20:18

Tool Information

Drill Pipe:	Length: 5126.00 ft	Diameter: 3.80 inches	Volume: 71.90 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 297.00 ft	Diameter: 2.25 inches	Volume: 1.46 bbl	Weight to Pull Loose: 90000.00 lb
			Total Volume: 73.36 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	5440.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	111.00 ft			
Tool Length:	138.00 ft			
Number of Packers:	2	Diameter:	inches	
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5418.00	
Hydraulic tool	5.00			5423.00	
Jars	5.00			5428.00	
Safety Joint	2.00			5430.00	
Packer	5.00			5435.00	27.00 Bottom Of Top Packer
Packer	5.00			5440.00	
Stubb	1.00			5441.00	
Recorder	0.00	6751	Inside	5441.00	
Perforations	10.00			5451.00	
Change Over Sub	1.00			5452.00	
Anchor	93.00			5545.00	
Change Over Sub	1.00			5546.00	
Recorder	0.00	13309	Outside	5546.00	
Bullnose	5.00			5551.00	111.00 Bottom Packers & Anchor

Total Tool Length: 138.00



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FLUID SUMMARY

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Job Ticket: 17696

DST#: 1

ATTN: Kevin Davis

Test Start: 2003.09.15 @ 19:20:18

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5413.00	CGO est.60%gas 40%oil	73.225

Total Length: 5413.00 ft Total Volume: 73.225 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Reversed out to tank truck - approx. 20 bbls.

Serial #: 6751

Inside

CH Todd

23-30S-34W Stanton

DST Test Number: 1

