

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

## DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas**

PO Box 195  
Attica, KS 67009

ATTN: Tim Pierce

**McDaniel A #1**

**3-32s-9w Harper,KS**

Start Date: 2011.12.18 @ 20:27:31

End Date: 2011.12.19 @ 04:43:01

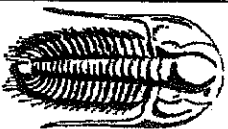
Job Ticket #: 44051      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.12.21 @ 16:42:10



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R & B Oil & Gas

3-32s-9w Harper, KS

PO Box 195  
Attoia, KS 67009

McDaniel A #1

Job Ticket: 44051 DST#:1

ATTN: Tim Pierce

Test Start: 2011.12.18 @ 20:27:31

**GENERAL INFORMATION:**

Formation: Mississippi  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:30:31  
 Time Test Ended: 04:43:01  
 Interval: 4425.00 ft (KB) To 4475.00 ft (KB) (TVD)  
 Total Depth: 4475.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches-Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)  
 Tester: Leal Cason  
 Unit No: 45

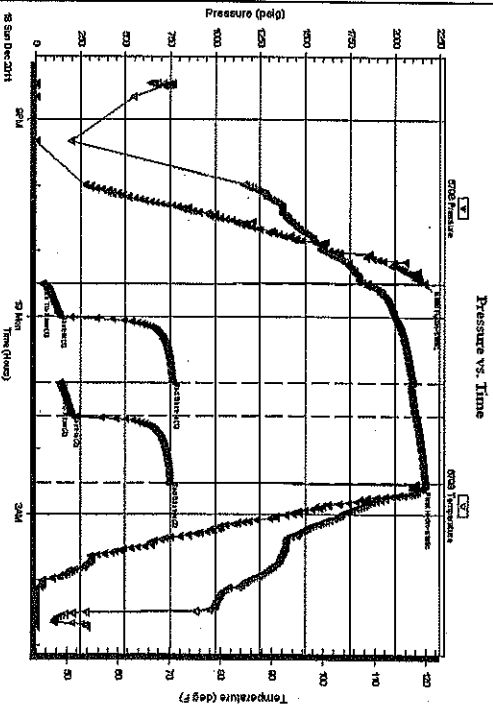
Reference Elevations: 1524.00 ft (KB)  
 1514.00 ft (CP)  
 KB to GRCP: 10.00 ft

**Serial #: 6798** Inside  
 Press@RunDepth: 201.90 psig @ 4426.00 ft (KB)  
 Start Date: 2011.12.18 End Date:  
 Start Time: 20:27:32 End Time:

Capacity: 8000.00 psig  
 Last Callb: 2011.12.19  
 Time On Btm: 2011.12.18 @ 23:29:31  
 Time Off Btm: 2011.12.19 @ 02:32:16

**TEST COMMENT:**

IF: Fair Blow, BOB in 15 minutes  
 ISL: No Blow Back  
 FF: Weak Blow, BOB in 28 minutes  
 FSI: No Blow Back



**PRESSURE SUMMARY**

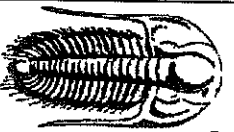
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2168.46	108.79	Initial Hydro-static
1	38.41	108.54	Open To Flow (1)
31	133.88	113.90	Shut-In(1)
91	763.24	117.50	End Shut-In(1)
91	136.30	117.27	Open To Flow (2)
121	201.90	117.99	Shut-In(2)
182	752.11	119.87	End Shut-In(2)
183	2119.18	120.08	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
120.00	Water	0.59
60.00	MCW 20%AM 80%AW	0.84
150.00	SGCM 2%G 98%AM	2.10

**Gas Rates**

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



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**TOOL DIAGRAM**

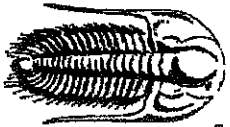
R & B Oil & Gas  
PO Box 195  
Attea, KS 67009  
ATTN: Tim Perce

3-32s-9w Harper, KS  
McDaniel A #1  
Job Ticket: 44051  
DST#: 1  
Test Start: 2011.12.18 @ 20:27:31

**Tool Information**

Drill Pipe: Length: 4294.00 ft Diameter: 3.80 inches Volume: 60.23 bbl Tool Weight: 2100.00 lb  
 Heavy Wt. Pipe: Length: ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 25000.00 lb  
 Drill Collar: Length: 120.00 ft Diameter: 2.25 inches Volume: 0.59 bbl Weight to Pull Loose: 80000.00 lb  
 Drill Ppe Above KB: 9.00 ft Total Volume: 60.82 bbl Tool Chased ft  
 Depth to Top Packer: 4425.00 ft String Weight: Initial 72000.00 lb  
 Depth to Bottom Packer: ft Final 73000.00 lb  
 Interval between Packers: 50.00 ft  
 Tool Length: 70.00 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			4410.00	
Hydraulic tool	5.00			4415.00	
Packer	5.00			4420.00	20.00
Packer	5.00			4425.00	Bottom Of Top Packer
Stub	1.00			4426.00	
Recorder	0.00	6798	Inside	4426.00	
Recorder	0.00	8367	Outside	4426.00	
Perforations	7.00			4433.00	
Change Over Sub	1.00			4434.00	
Drill Pipe	32.00			4466.00	
Change Over Sub	1.00			4467.00	
Perforations	5.00			4472.00	
Bullnose	3.00			4475.00	50.00
<b>Total Tool Length:</b>					<b>70.00</b>
					Bottom Packers & Anchor



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**FLUID SUMMARY**

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PO Box 195  
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McDaniel A #1

Job Ticket: 44051

DST#: 1

ATTN: Tim Ferce

Test Start: 2011.12.18 @ 20:27:31

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	110000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume:		bbl
Water Loss: 9.99 in <sup>3</sup>	Gas Cushion Type:	Gas Cushion Pressure:	psig
Resistivity: ohm.m			
Salinity: 4500.00 ppm			
Filter Cake: 0.20 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
120.00	Water	0.590
60.00	MCM/20%M 80%AW	0.842
150.00	SGCM 2%G 98%AM	2.104

Total Length: 330.00 ft      Total Volume: 3.536 bbl

Num Fluid Samples: 0      Num Gas Borbs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: RMW as .19 @ 46 degrees

