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KANSAS CORPORATION COMMISSION

OCT 26 2007

CONSERVATION DIVISION  
WICHITA, KS

15-145-21560



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Oil Producers**

1710 Waterfront Parkway  
Wichita KS 67206

ATTN: Tim Priest

**7 23 16 Pawnee KS**

**Schartz # 5 A-7**

Start Date: 2007.07.12 @ 09:23:53

End Date: 2007.07.12 @ 18:25:33

Job Ticket #: 28801                      DST #: 1

15-145-21560

NE NE

4620 FSL 660 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Oil Producers

Schartz # 5 A-7

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DST # 1

Mississippi Chert

2007.07.12



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Wichita KS 67206  
ATTN: Tim Priest

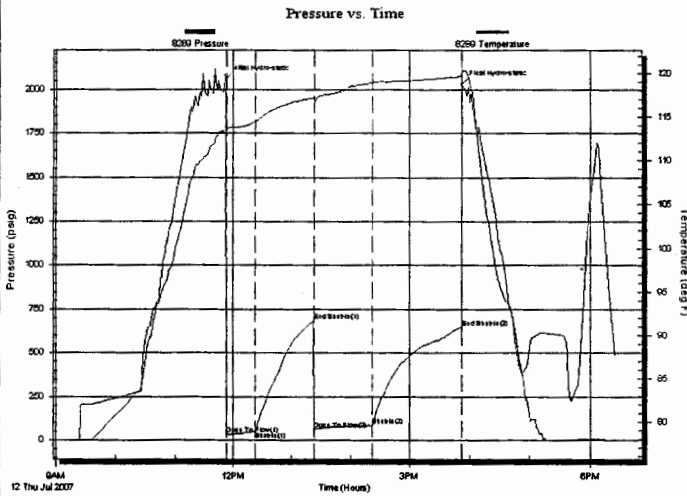
**Schartz # 5 A-7**  
**7 23 16 Pawnee KS**  
Job Ticket: 28801      **DST#: 1**  
Test Start: 2007.07.12 @ 09:23:53

**GENERAL INFORMATION:**

Formation: **Missippi Chert**  
Deviated: No Whipstock: ft (CF)  
Time Tool Opened: 11:53:23  
Time Test Ended: 18:25:33  
Interval: **4162.00 ft (CF) To 4193.00 ft (CF) (TVD)**  
Total Depth: 4193.00 ft (CF) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Poor  
Test Type: Conventional Bottom Hole  
Tester: Zach Stover  
Unit No: 23  
Reference Elevations: 2067.00 ft (KB)  
2062.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8289      Inside**  
Press@RunDepth: 85.97 psig @ 4168.00 ft (CF)      Capacity: 7000.00 psig  
Start Date: 2007.07.12      End Date: 2007.07.12      Last Calib.: 2007.07.12  
Start Time: 09:23:58      End Time: 18:25:32      Time On Btm: 2007.07.12 @ 11:52:03  
Time Off Btm: 2007.07.12 @ 15:52:43

**TEST COMMENT:** IF Strong blow BOB in 4 min.  
ISI Fair blow Built to 6 in.  
FF Strong blow BOB in 2 min.  
FSI Weak surface blow



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2061.00	113.45	Initial Hydro-static
2	34.99	113.49	Open To Flow (1)
31	50.02	114.49	Shut-in(1)
91	684.44	117.20	End Shut-In(1)
91	63.82	116.92	Open To Flow(2)
151	85.97	118.92	Shut-in(2)
241	647.30	119.67	End Shut-In(2)
241	2028.71	120.28	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
60.00	O&GCMW 5%G 5%O 70%W 20%M	0.30
60.00	O&GCMW 10%G 10%O 30%W 50%M	0.30
70.00	O&GCM 5%G 5%O 90%M	0.34
0.00		0.00

**Gas Rates**

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



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**TOOL DIAGRAM**

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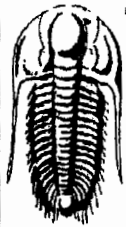
**Tool Information**

Drill Pipe:	Length: 3923.00 ft	Diameter: 3.80 inches	Volume: 55.03 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 56.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4162.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	51.00 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			4143.00	
Shut In Tool	5.00			4148.00	
Hydraulic tool	5.00			4153.00	
Packer	4.00			4157.00	20.00      Bottom Of Top Packer
Packer	5.00			4162.00	
Stubb	1.00			4163.00	
Anchor	5.00			4168.00	
Recorder	0.00	8289	Inside	4168.00	
Perforations	20.00			4188.00	
Recorder	0.00	13789	Outside	4188.00	
Bullnose	5.00			4193.00	31.00      Bottom Packers & Anchor

**Total Tool Length: 51.00**



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## 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:	80000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 14.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 11000.00 ppm			
Filter Cake: 0.02 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	O&GCMW 5%G 5%O 70%W 20%M	0.295
60.00	O&GCMW 10%G 10%O 30%W 50%M	0.295
70.00	O&GCM 5%G 5%O 90%M	0.344
0.00		0.000

Total Length: 190.00 ft      Total Volume: 0.934 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time

