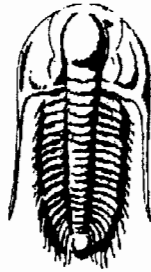


15-053-21184



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Rupe Oil Company**

PO Box 783010
Wichita KS 67278

ATTN: Jim Hall

28 16 7 Ellsworth KS

Kanopolis Federal #2-28

Start Date: 2006.08.06 @ 07:52:03

End Date: 2006.08.06 @ 17:25:18

Job Ticket #: 25019

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Rupe Oil Company

PO Box 783010
Wichita KS 67278

ATTN: Jim Hall

Kanopolis Federal #2-28

28 16 7 Ellsworth KS

Job Ticket: 25019

DST#: 1

Test Start: 2006.08.06 @ 07:52:03

GENERAL INFORMATION:

Formation: **Grand Haven**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 10:34:48

Time Test Ended: 17:25:18

Test Type: **Conventional Bottom Hole**

Tester: **John Colavito**

Unit No: **19**

Interval: **1779.00 ft (KB) To 1817.00 ft (KB) (TVD)**

Total Depth: **1817.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1595.00 ft (KB)**

1587.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6752

Inside

Press@RunDepth: **34.38 psig @ 1780.00 ft (KB)**

Start Date: **2006.08.06**

End Date:

2006.08.06

Capacity: **7000.00 psig**

Last Calib.: **2006.08.06**

Start Time: **07:52:05**

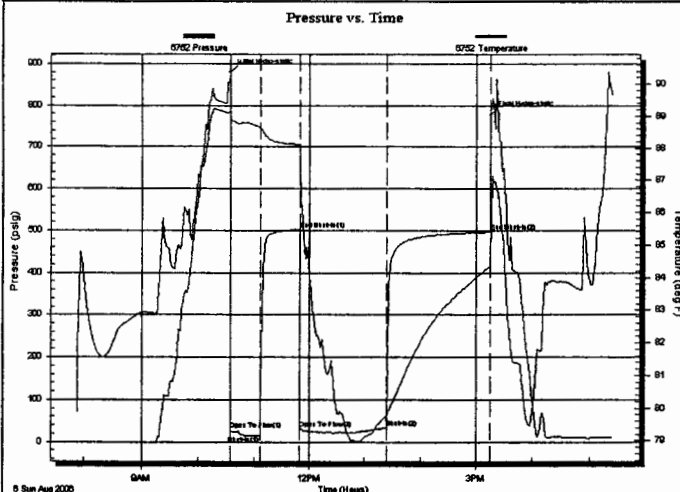
End Time:

17:25:18

Time On Btm: **2006.08.06 @ 10:34:33**

Time Off Btm: **2006.08.06 @ 15:15:18**

TEST COMMENT: IF Strong blow BOB in 27 min
ISI No blow back
FF Strong blow BOB in 1 sec GST in 13 min (See gas flow chart.)
FSI No blow back



PRESSURE SUMMARY

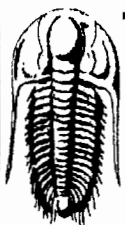
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	879.74	89.15	Initial Hydro-static
1	29.85	88.96	Open To Flow (1)
33	16.41	88.63	Shut-In (1)
76	502.34	88.11	End Shut-In (1)
76	30.86	87.52	Open To Flow (2)
170	34.38	79.80	Shut-In (2)
281	496.66	84.35	End Shut-In (2)
281	777.69	84.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
31.00	GCM 10%G 90%M	0.15
0.00	1721' GIP	0.00
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	3.00	6.51
Last Gas Rate	0.13	24.00	14.37
Max. Gas Rate	0.13	24.00	14.37



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rupe Oil Company

Kanopolis Federal #2-28

PO Box 783010
Wichita KS 67278

28 16 7 Ellsworth KS

Job Ticket: 25019

DST#: 1

ATTN: Jim Hall

Test Start: 2006.08.06 @ 07:52:03

Tool Information

Drill Pipe:	Length: 1473.00 ft	Diameter: 2.70 inches	Volume: 10.43 bbl	Tool Weight: 2400.00 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: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose: 40000.00 lb
			Total Volume: 11.81 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 26000.00 lb
Depth to Top Packer:	1779.00 ft			Final 27000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	66.00 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			1756.00	
Hydraulic tool	5.00			1761.00	
Jars	5.00			1766.00	
Safety Joint	3.00			1769.00	
Packer	5.00			1774.00	28.00 Bottom Of Top Packer
Packer	5.00			1779.00	
Stubb	1.00			1780.00	
Recorder	0.00	6752	Inside	1780.00	
Perforations	2.00			1782.00	
Change Over Sub	0.50			1782.50	
Blank Spacing	30.00			1812.50	
Change Over Sub	0.50			1813.00	
Perforations	1.00			1814.00	
Recorder	0.00	6074	Outside	1814.00	
Bullnose	3.00			1817.00	38.00 Bottom Packers & Anchor

Total Tool Length: 66.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Rupe Oil Company

Kanopolis Federal #2-28

PO Box 783010
Wichita KS 67278

28 16 7 Ellsworth KS

Job Ticket: 25019

DST#: 1

ATTN: Jim Hall

Test Start: 2006.08.06 @ 07:52:03

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:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	GCM 10%G 90%M	0.152
0.00	1721' GIP	0.000
0.00		0.000

Total Length: 31.00 ft

Total Volume: 0.152 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Rupe Oil Company

Kanopolis Federal #2-28

PO Box 783010
Wichita KS 67278

28 16 7 Ellsworth KS

Job Ticket: 25019

DST#: 1

ATTN: Jim Hall

Test Start: 2006.08.06 @ 07:52:03

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	55	0.13	3.00	6.51
2	55	0.13	3.00	6.51
2	60	0.13	5.50	7.45
2	65	0.13	9.00	8.76
2	70	0.13	12.50	10.07
2	75	0.13	14.00	10.63
2	80	0.13	18.00	12.13
2	85	0.13	21.50	13.44
2	90	0.13	24.00	14.37

Serial #: 6752

Inside

Rupe Oil Company

28 16 7 Elsworth KS

DST Test Number: 1

