

DRILL STEM TEST REPORT

Prepared For: **TNT Engineering**

3711 Maplewood Ste 201
Wichita Falls TX 76308

ATTN: Ed Grieves

24 33S 30W Meade KS

Shinogle 24-3A

Start Date: 2009.09.22 @ 08:21:03

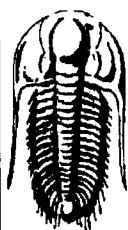
End Date: 2009.09.22 @ 18:09:33

Job Ticket #: 34046 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



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TESTING, INC.

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TNT Engineering

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24 33S 30W Meade KS

Job Ticket: 34046

DST#: 1

Test Start: 2009.09.22 @ 08:21:03

GENERAL INFORMATION:

Formation: **Novinger**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:39:03

Time Test Ended: 18:09:33

Test Type: Conventional Bottom Hole

Tester: Mike Slemp

Unit No: 28

Interval: **5298.00 ft (KB) To 5320.00 ft (KB) (TVD)**

Total Depth: 5320.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2717.00 ft (KB)

2705.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6751

Press@RunDepth: 19.68 psig @ ft (KB)

Start Date: 2009.09.22

End Date:

2009.09.22

Start Time: 08:21:04

End Time:

18:09:33

Capacity: 7000.00 psig

Last Calib.: 2009.09.22

Time On Btm: 2009.09.22 @ 11:36:43

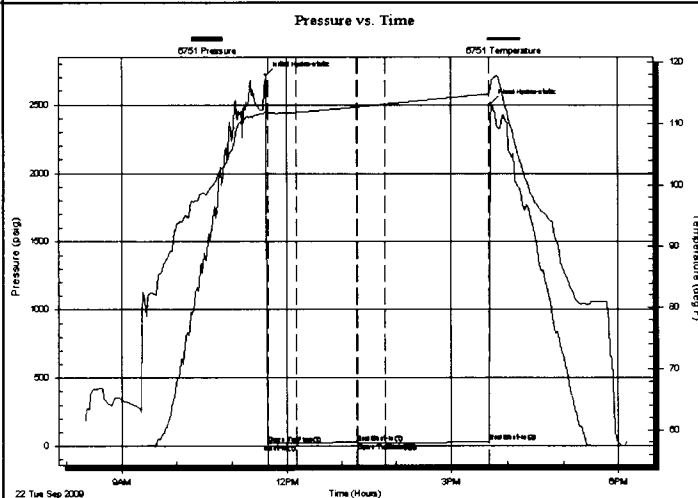
Time Off Btm: 2009.09.22 @ 15:43:18

TEST COMMENT: IF- Weak surface blow, Died after 15 min

IS- No blow back

FF- No blow

FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2717.32	111.87	Initial Hydro-static
3	18.46	111.70	Open To Flow (1)
34	18.49	111.78	Shut-In(1)
101	19.43	112.65	End Shut-In(1)
102	19.68	112.66	Open To Flow (2)
132	19.68	113.12	Shut-In(2)
244	28.60	114.74	End Shut-In(2)
247	2511.58	116.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% mud	0.02

Gas Rates

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

TNT Engineering

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Job Ticket: 34046

DST#: 1

Test Start: 2009.09.22 @ 08:21:03

Tool Information

Drill Pipe:	Length: 5025.00 ft	Diameter: 3.80 inches	Volume: 70.49 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: 267.00 ft	Diameter: 2.25 inches	Volume: 1.31 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	71.80 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	78000.00 lb
Depth to Top Packer:	5298.00 ft			Final	78000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	27.00 ft				
Tool Length:	45.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5281.00	
Shut In Tool	5.00			5286.00	
Hydraulic tool	5.00			5291.00	
Safety Joint	2.00			5293.00	
Packer	5.00		Fluid	5298.00	18.00 Bottom Of Top Packer
Packer - Shale	4.00			5302.00	
Stubb	1.00			5303.00	
Perforations	1.00			5304.00	
Recorder	0.00	6752	Inside	5304.00	
Jars	5.00			5309.00	
Recorder	0.00	8321	Inside	5309.00	
Perforations	13.00			5322.00	
Bullnose	3.00			5325.00	27.00 Anchor Tool

Total Tool Length: 45.00



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FLUID SUMMARY

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Job Ticket: 34046

DST#: 1

ATTN: Ed Grieves

Test Start: 2009.09.22 @ 08:21:03

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

