

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **K & B Norton Oil & Investments**

310 W 38th St
Hays KS 67601

ATTN: Richard Bell

6 14S 21W Trego KS

Deutscher #1

Start Date: 2007.01.01 @ 09:08:34

End Date: 2007.01.01 @ 16:16:34

Job Ticket #: 27424 DST #: 1

15-195-22415
SW SE NW
2310 FNL 1610 FNL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

15-195-22415 K & B Norton Oil & Investments

Deutscher #1

6 14S 21W Trego KS

DST # 1

Cherokee Sand

2007.01.01



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Deutscher #1

310 W 38th St
Hays KS 67601

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Job Ticket: 27424

DST#: 1

ATTN: Richard Bell

Test Start: 2007.01.01 @ 09:08:34

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:48:14

Time Test Ended: 16:16:34

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: 4005.00 ft (KB) To 4054.00 ft (KB) (TVD)

Total Depth: 4054.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2266.00 ft (KB)

2261.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320

Inside

Press@RunDepth: 24.53 psig @ 4015.00 ft (KB)

Start Date: 2007.01.01

End Date:

2007.01.01

Capacity: 7000.00 psig

Last Calib.: 2007.01.01

Start Time: 09:08:39

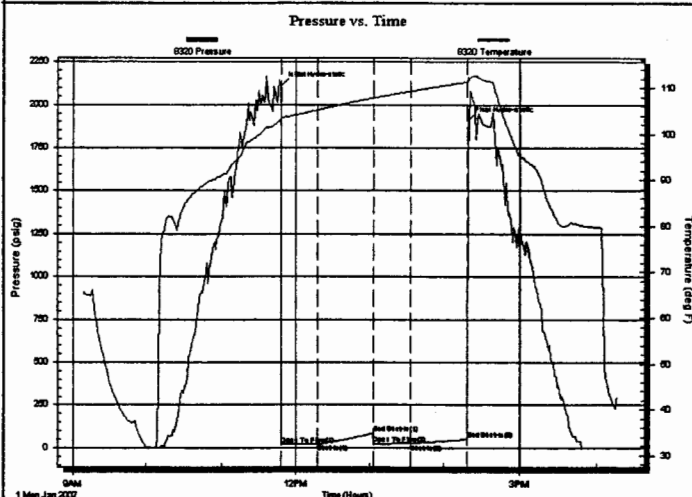
End Time:

16:16:33

Time On Btm: 2007.01.01 @ 11:48:04

Time Off Btm: 2007.01.01 @ 14:19:13

TEST COMMENT: IFP Weak 1/2 " blow throughout
ISI No blow back for ten min. then weak surface blow back throughout
FFP Weak surface blow throughout
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2112.32	103.21	Initial Hydro-static
1	19.38	102.33	Open To Flow (1)
30	21.66	105.15	Shut-In(1)
75	83.84	107.81	End Shut-In(1)
75	23.63	107.80	Open To Flow (2)
106	24.53	109.29	Shut-In(2)
151	50.61	111.32	End Shut-In(2)
152	1909.45	112.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w/ scum of Oil	0.05

Gas Rates

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

K & B Norton Oil & Investments

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DST#: 1

ATTN: Richard Bell

Test Start: 2007.01.01 @ 09:08:34

Tool Information

Drill Pipe:	Length: 3910.00 ft	Diameter: 3.82 inches	Volume: 55.43 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 90.00 ft	Diameter: 2.25 inches	Volume: 0.44 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 55.87 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4005.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 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
Change Over Sub	1.00			3985.00	
Shut In Tool	5.00			3990.00	
Hydraulic tool	5.00			3995.00	
Packer	5.00			4000.00	21.00 Bottom Of Top Packer
Packer	5.00			4005.00	
Stubb	1.00			4006.00	
Perforations	9.00			4015.00	
Recorder	0.00	8320	Inside	4015.00	
Blank Spacing	31.00			4046.00	
Perforations	5.00			4051.00	
Recorder	0.00	3351	Inside	4051.00	
Bullnose	3.00			4054.00	49.00 Bottom Packers & Anchor
Total Tool Length:		70.00			



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FLUID SUMMARY

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Job Ticket: 27424

DST#: 1

ATTN: Richard Bell

Test Start: 2007.01.01 @ 09:08:34

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbl

Water Loss: 15.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 12000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud w/ scum of Oil	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

