

15-135-24505

16-165-23w



**TRILOBITE
TESTING, INC.**

**KCC
AUG 03 2006
CONFIDENTIAL**

DRILL STEM TEST REPORT

Prepared For: **Beren Corp**

P O Box 20380
Wichita KS 67208

ATTN: Gary Misak

1616S 23W Ness KS

Milton #1-16

Start Date: 2006.07.04 @ 05:56:20

End Date: 2006.07.04 @ 12:47:19

Job Ticket #: 25350 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Beren Corp

Milton #1-16

1616S 23W Ness KS

DST # 1

Cher SD

2006.07.04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Beren Corp
 P O Box 20380
 Wichita KS 67208
 ATTN: Gary Misak

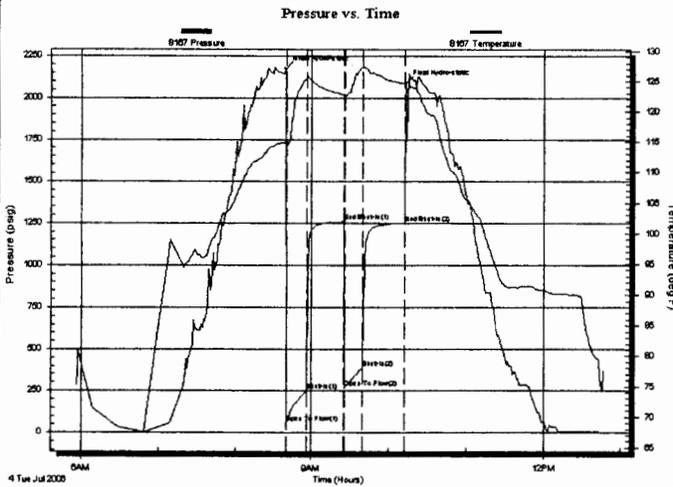
Milton #1-16
1616S 23W Ness KS
 Job Ticket: 25350 **DST#: 1**
 Test Start: 2006.07.04 @ 05:56:20

GENERAL INFORMATION:

Formation: **Cher Sd**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 08:39:49 Tester: Ray Schwager
 Time Test Ended: 12:47:19 Unit No: 28
 Interval: **4390.00 ft (KB) To 4470.00 ft (KB) (TVD)** Reference Elevations: 2477.00 ft (KB)
 Total Depth: 4470.00 ft (KB) (TVD) 2466.00 ft (CF)
 Hole Diameter: 7.85 inches Hole Condition: Poor KB to GR/CF: 11.00 ft

Serial #: 8167 **Inside**
 Press@RunDepth: 385.43 psig @ 4391.01 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.07.04 End Date: 2006.07.04 Last Calib.: 2006.07.04
 Start Time: 05:56:20 End Time: 12:47:19 Time On Btm: 2006.07.04 @ 08:39:19
 Time Off Btm: 2006.07.04 @ 10:12:49

TEST COMMENT: IFP Wk to strg in 3 min
 FFP Wk to strg in 6 min
 Times 15 30 15 30
 No bl on shut-in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2175.87	114.94	Initial Hydro-static
1	54.83	114.15	Open To Flow (1)
17	251.04	125.48	Shut-In(1)
46	1258.33	122.81	End Shut-In(1)
47	268.80	122.42	Open To Flow (2)
61	385.43	127.30	Shut-In(2)
93	1250.12	124.54	End Shut-In(2)
94	2089.93	124.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
660.00	Water RW .28 @ 85F	5.73
150.00	MW 20%M 80%W	1.63

Gas Rates

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



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TOOL DIAGRAM

Beren Corp

Milton #1-16

P O Box 20380
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Job Ticket: 25350 **DST#: 1**

ATTN: Gary Msak

Test Start: 2006.07.04 @ 05:56:20

Tool Information

Drill Pipe:	Length: 4129.00 ft	Diameter: 3.34 inches	Volume: 44.75 bbl	Tool Weight: 2200.00 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 45.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4390.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.02 ft			
Tool Length:	108.02 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			4363.00	
Shut In Tool	5.00			4368.00	
Hydraulic tool	5.00			4373.00	
Jars	5.00			4378.00	
Safety Joint	2.00			4380.00	
Packer	5.00			4385.00	28.00 Bottom Of Top Packer
Packer	5.00			4390.00	
Stubb	1.00			4391.00	
Recorder	0.01	8167	Inside	4391.01	
Perforations	5.00			4396.01	
Recorder	0.01	13534	Outside	4396.02	
Perforations	7.00			4403.02	
Blank Spacing	64.00			4467.02	
Bullnose	3.00			4470.02	80.02 Bottom Packers & Anchor

Total Tool Length: 108.02



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FLUID SUMMARY

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Milton #1-16
1616S 23W Ness KS
Job Ticket: 25350 **DST#: 1**
Test Start: 2006.07.04 @ 05:56:20

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:	19000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.95 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
660.00	Water RW .28 @ 85F	5.732
150.00	MW 20%M 80%W	1.626

Total Length: 810.00 ft Total Volume: 7.358 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8167

Inside

Beren Corp

1616S 23W Ness KS

DST Test Number: 1

Pressure vs. Time

