



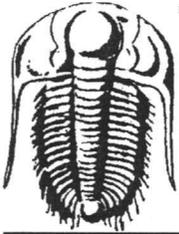
DRILL STEM TEST REPORT

Prepared for

Starr F Schlobohm
47 Michawanic Rd #3D
Sanbornville, NH 03872

Cathrine "B" Unit #1
16-13S-17W
Ellis Co Kansas

Trilobite Testing, Inc
PO Box 362 - Hays, Kansas - 67601
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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT
 Starr F Schlobohm
 47 Michawanic Rd #3D
 Sanbornville, NH 03872

Well name#:	Cathrine "B" Unit #1	Date:	5/22/2003
Location#:	16-13S-17W Ellis Co Kansas	Ticket #:	16967
		DST#	1

General Informaion:

Formation:	L KC B&C	Test Type:	Conventional	BHT:	106
Interval:	3324-3370	Tester:	John Schmidt	OIL API:	
Total Depth:	3370	Elevation:	2007 ft(KB)	H2O Salinity:	
Hole Diameter:	7 7/8"		2002 ft(CF)		

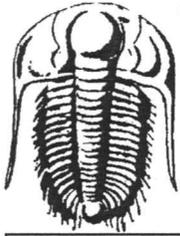
Start Date:	5/22/2003	Tool Weight:	3000	Mud Type:	Chem
Start Time:	2:15:00	Weight Set on Packers:	25000	Mud Weight:	9
Time tool opened:	3:50:00	Weight to Pull Loose:	60000	Viscosity:	46
Time Off Btm:	6:50:00	Initial String Weight:	54000	Water Loss:	6.4
End Date:	5/22/03	Final String Weight:	55000	Resistivity:	-
End Time:	9:15:00	Drill Pipe Length:	3327	Salinity:	
		Drill Collar Length:			
		Wt. Pipe Length:			

Test Comment:
 IF - Weak building to 10"
 ISI - Dead
 FF - Good blow B.O.B. in 17 minutes
 FSI - Dead

Recovery
 Length(ft): 70 GOCM 20%Gas 30%Oil 50%Mud
 300' GIP

Gas Volume Report

Recorder #:	11084	Min:	Ins. Of water	Orifice	MCF/D
Pressure Summary:	Time:(min)		PSIG	size	
Initial Hydro-static:	1594.82				
Open to Flow (1):	39.47	45			
Shut-in (1):	52.63	45			
End Shut-in (1):	379.38				
Open to Flow (2):	63.59	45			
Shut-in (2):	65.78	45			
End Shut-in (2):	364.03				
Final Hydro-static:	1589.46				



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DRILL STEM TEST REPORT
 Starr F Schlobohm
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 Sanbornville, NH 03872

Well name#:	Cathrine "B" Unit #1	Date:	5/22/2003
Location#:	16-13S-17W Ellis Co Kansas	Ticket #:	16968
		DST#	2

General Informaion:

Formation:	L KC F & G	Test Type:	Conventional	BHT:	106
Interval:	3376-3420	Tester:	John Schmidt	OIL API:	
Total Depth:	3346	Elevation:	2007 ft(KB)	H2O Salinity:	
Hole Diameter:	7 7/8"		2002 ft(CF)		
Start Date:	5/22/2003	Tool Weight:	3000	Mud Type:	Chem
Start Time:	17:45:00	Weight Set on Packers:	25000	Mud Weight:	9
Time tool opened:	19:18:00	Weight to Pull Loose:	65000	Viscosity:	48
Time Off Btm:	22:18:00	Initial String Weight:	54000	Water Loss:	7.2
End Date:	5/23/03	Final String Weight:	54000	Resistivity:	-
End Time:	0:15:00	Drill Pipe Length:	3386	Salinity:	
		Drill Collar Length:			
		Wt. Pipe Length:			

Test Comment:	IF - Good built to 10" ISI - Dead FF - Good B.O.B. 12 minutes FSI - Dead
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Recovery Length(ft):	70 GOCM 20%Gas 30% Oil 50%Mud
	420' GIP

Gas Volume Report

Recorder #:	11084	Min:	Ins. Of water	Orifice	MCF/D
Pressure Summary:	Time:(min)		PSIG	size	
Initial Hydro-static:	1642.24				
Open to Flow (1):	44.95	45			
Shut-in (1):	46.05	45			
End Shut-in (1):	403.5				
Open to Flow (2):	63.59	45			
Shut-in (2):	70.17	45			
End Shut-in (2):	408.99				
Final Hydro-static:	1607.75				



DRILL STEM TEST REPORT

Prepared For: **Starr F. Schobohm**

47 Michawanic Rd #3D
Sanbornville, NH 03872

ATTN: Dave Schumaker

16-13S-17W Ellis Co

Catherine "B" Unit #1

Start Date: 2003.05.23 @ 18:50:53

End Date: 2003.05.23 @ 22:59:38

Job Ticket #: 16969 DST #: 3

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

Starr F. Schobohm

Catherine "B" Unit #1

16-13S-17W Ellis Co

DST # 3

Arbuckle

2003.05.23



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Starr F. Schobohm

Catherine "B" Unit #1

47 Michawanic Rd #3D
Sanbornville, NH 03872

16-13S-17W Ellis Co

ATTN: Dave Schumaker

Job Ticket: 16969

DST#: 3

Test Start: 2003.05.23 @ 18:50:53

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:25:08

Time Test Ended: 22:59:38

Test Type: Conventional Bottom Hole

Tester: Paul Simpson & Jason

Unit No: 18

Interval: **3542.00 ft (KB) To 3580.00 ft (KB) (TVD)**

Total Depth: 3580.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Poor

Reference Elevations: 2007.00 ft (KB)

2002.00 ft (CF)

KB to GRVCF: 5.00 ft

Serial #: 6753

Inside

Press@RunDepth: 32.24 psig @ 3552.01 ft (KB)

Start Date: 2003.05.23

End Date:

2003.05.23

Start Time: 18:50:55

End Time:

22:59:38

Capacity: 7000.00 psig

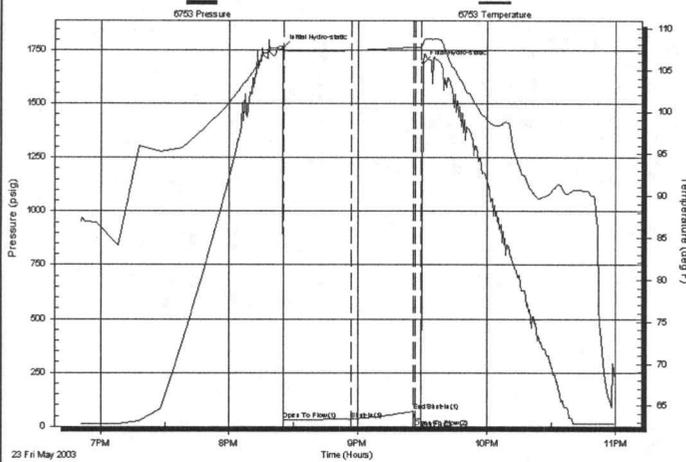
Last Calib.: 2003.04.29

Time On Btm: 2003.05.23 @ 20:24:53

Time Off Btm: 2003.05.23 @ 21:30:08

TEST COMMENT: IFP, 1/2" To Surface Blow, Died In 15 Min.
FFP no blow

Pressure vs. Time



PRESSURE SUMMARY

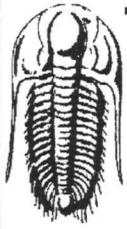
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1759.77	107.80	Initial Hydro-static
1	31.46	106.97	Open To Flow (1)
32	32.24	107.33	Shut-In(1)
62	70.48	107.72	End Shut-In(1)
62	32.90	107.70	Open To Flow (2)
65	31.07	107.70	Shut-In(2)
66	1689.22	108.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
7.00	oil specked mud,w/good show of oil at	to 0.10

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Starr F. Schobohm

Catherine "B" Unit #1

47 Michawanic Rd #3D
Sanbornville, NH 03872

16-13S-17W Ellis Co

Job Ticket: 16969

DST#: 3

ATTN: Dave Schumaker

Test Start: 2003.05.23 @ 18:50:53

Tool Information

Drill Pipe:	Length: 3543.00 ft	Diameter: 3.80 inches	Volume: 49.70 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 49.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3542.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.02 ft			
Tool Length:	59.02 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			3522.00	
Shut In Tool	5.00			3527.00	
Hydraulic tool	5.00			3532.00	
Packer	5.00			3537.00	21.00 Bottom Of Top Packer
Packer	5.00			3542.00	
Stubb	1.00			3543.00	
Perforations	9.00			3552.00	
Recorder	0.01	6753	Inside	3552.01	
Perforations	25.00			3577.01	
Recorder	0.01	13308	Outside	3577.02	
Bullnose	3.00			3580.02	38.02 Bottom Packers & Anchor

Total Tool Length: 59.02



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DRILL STEM TEST REPORT

FLUID SUMMARY

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Catherine "B" Unit #1

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16-13S-17W Ellis Co

Job Ticket: 16969

DST#: 3

ATTN: Dave Schumaker

Test Start: 2003.05.23 @ 18:50:53

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
7.00	oil specked mud,w/good show of oil at to	0.098

Total Length: 7.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6753

Inside

Starr F. Schobohm

16-13S-17W Ellis Co

DST Test Number: 3

Pressure vs. Time

