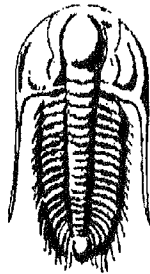


15-141-20401

28-8s-13w

MD



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil**

CONFIDENTIAL

P.O Box 550

JUN 08 2009 Hays, KS 67601

KCC

ATTN: Bill Ree

28-8-13 Osborne KS

Schultz #1

Schultze 1

Start Date: 2009.04.12 @ 18:56:00

End Date: 2009.04.12 @ 22:58:30

Job Ticket #: 34993 DST #: 1

Dreiling Oil

Schultz #1

28-8-13 Osborne KS

DST # 1

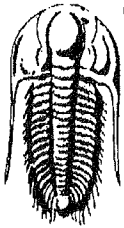
Howard Lm

2009.04.12

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Drilling Oil
P.O Box 550
Hays, KS 67601
ATTN: Bill Ree

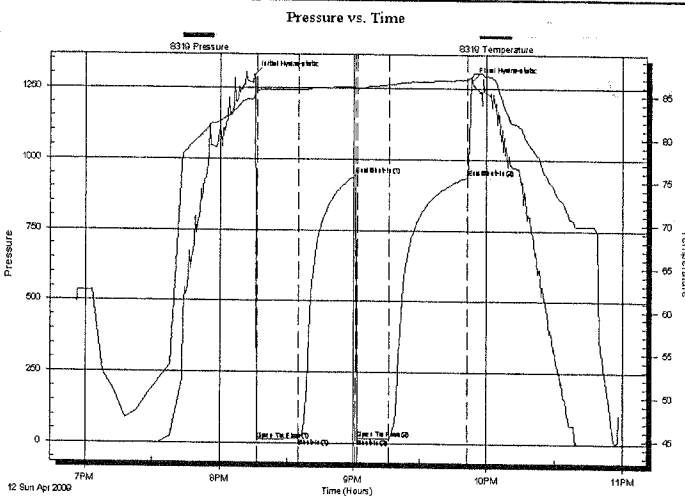
Schultz #1
28-8-13 Osborne KS
Job Ticket: 34993 DST#: 1
Test Start: 2009.04.12 @ 18:56:00

GENERAL INFORMATION:

Formation: **Howard Lm**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 20:16:00
Time Test Ended: 22:58:30
Interval: **2652.00 ft (KB) To 2670.00 ft (KB) (TVD)**
Total Depth: **2670.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Kyle Kinderknecht**
Unit No: **47**
Reference Elevations: **1713.00 ft (KB)**
1705.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8319 Inside
Press@RunDepth: **17.56 psig @ 2653.00 ft (KB)**
Start Date: **2009.04.12** End Date: **2009.04.12** Capacity: **7000.00 psig**
Start Time: **18:56:05** End Time: **22:58:30** Last Calib.: **2009.04.12**
Time On Btm: **2009.04.12 @ 20:15:00**
Time Off Btm: **2009.04.12 @ 21:53:30**

TEST COMMENT: IF Weak surface
FF No blow



PRESSURE SUMMARY

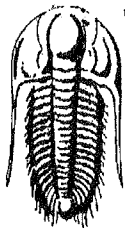
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1292.36	84.65	Initial Hydro-static
1	11.28	85.37	Open To Flow (1)
20	16.03	85.61	Shut-In(1)
46	943.72	86.03	End Shut-In(1)
47	18.87	85.80	Open To Flow (2)
61	17.56	86.31	Shut-In(2)
97	937.83	86.90	End Shut-In(2)
99	1278.16	87.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Sit OCM 2%O 98%M	0.02

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Drilling Oil
P.O Box 550
Hays, KS 67601
ATTN: Bill Ree

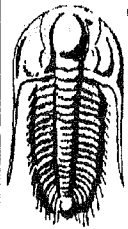
Schultz #1
28-8-13 Osborne KS
Job Ticket: 34993 DST#: 1
Test Start: 2009.04.12 @ 18:56:00

Tool Information

Drill Pipe:	Length: 2626.00 ft	Diameter: 3.82 inches	Volume: 37.22 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 37.37 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	2652.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 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			2633.00	
Shut In Tool	5.00			2638.00	
Hydraulic tool	5.00			2643.00	
Packer	4.00			2647.00	20.00 Bottom Of Top Packer
Packer	5.00			2652.00	
Stubb	1.00			2653.00	
Recorder	0.00	8319	Inside	2653.00	
Recorder	0.00	8369	Inside	2653.00	
Perforations	14.00			2667.00	
Bullnose	3.00			2670.00	18.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Drilling Oil
P.O Box 550
Hays, KS 67601
ATTN: Bill Ree

Schultz #1
28-8-13 Osborne KS
Job Ticket: 34993 **DST#: 1**
Test Start: 2009.04.12 @ 18:56:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: sec/qt	Cushion Volume: bbl		
Water Loss: in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

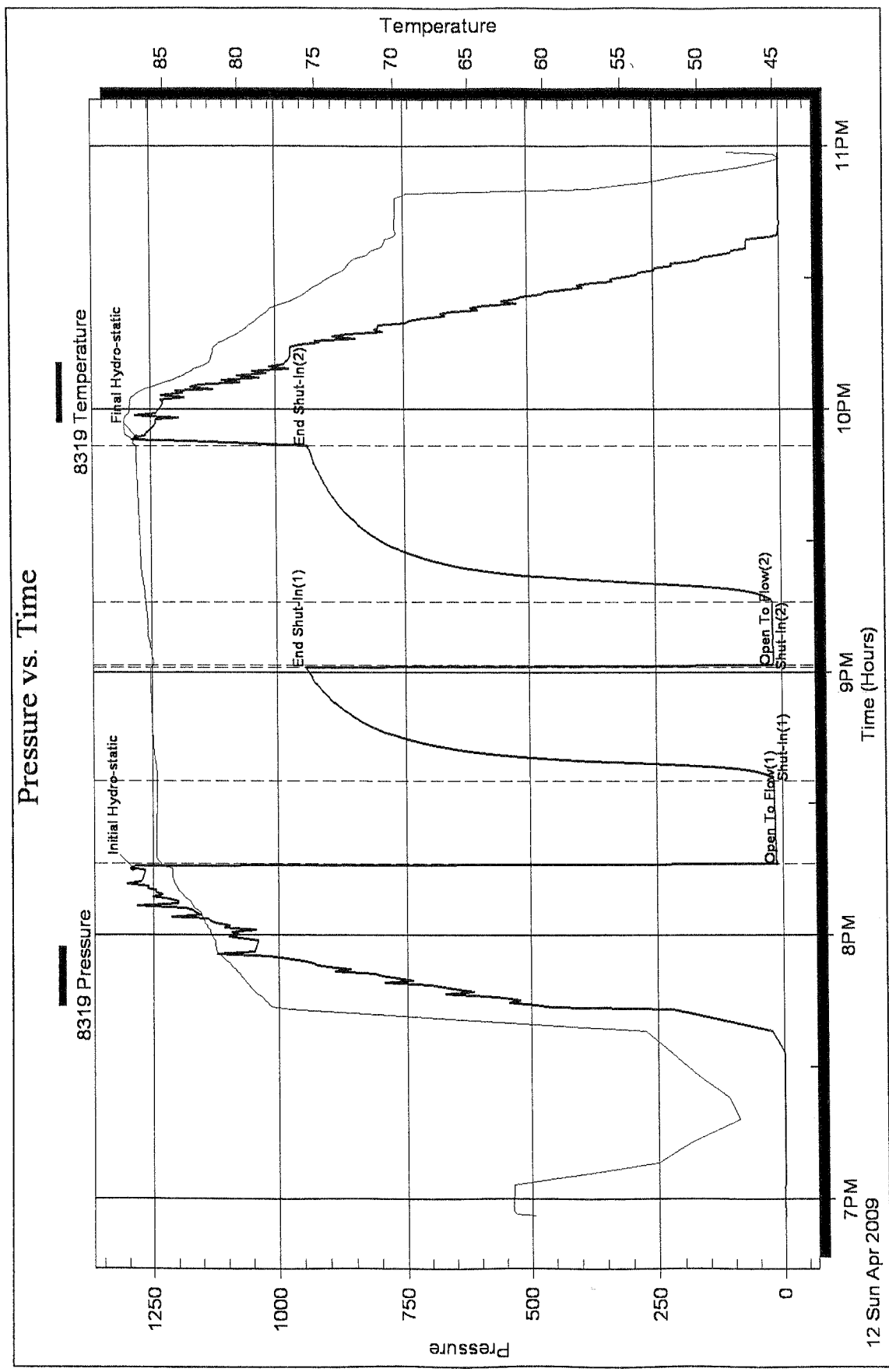
Recovery Information

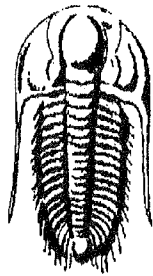
Recovery Table

Length ft	Description	Volume bbl
5.00	Slt OCM 2%O 98%M	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:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil**

P.O Box 550
Hays, KS 67601

ATTN: Bill Ree

28-8-13 Osborne KS

Schultz #1

Start Date: 2009.04.13 @ 18:41:06

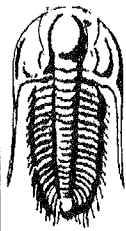
End Date: 2009.04.13 @ 22:37:06

Job Ticket #: 34994 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Drilling Oil
P.O Box 550
Hays, KS 67601
ATTN: Bill Ree

Schultz #1
28-8-13 Osborne KS
Job Ticket: 34994 **DST#: 2**
Test Start: 2009.04.13 @ 18:41:06

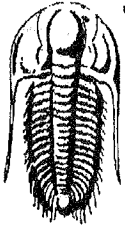
Tool Information

Drill Pipe:	Length: 2880.00 ft	Diameter: 3.82 inches	Volume: 40.83 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	40.98 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	2910.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 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			2891.00	
Shut In Tool	5.00			2896.00	
Hydraulic tool	5.00			2901.00	
Packer	4.00			2905.00	20.00 Bottom Of Top Packer
Packer	5.00			2910.00	
Stubb	1.00			2911.00	
Perforations	2.00			2913.00	
Recorder	0.00	8319	Inside	2913.00	
Recorder	0.00	8369	Inside	2913.00	
Perforations	24.00			2937.00	
Bullnose	3.00			2940.00	30.00 Bottom Packers & Anchor

Total Tool Length: 50.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Drilling Oil
P.O Box 550
Hays, KS 67601
ATTN: Bill Ree

Schultz #1
28-8-13 Osborne KS
Job Ticket: 34994 DST#: 2
Test Start: 2009.04.13 @ 18:41:06

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: inches			

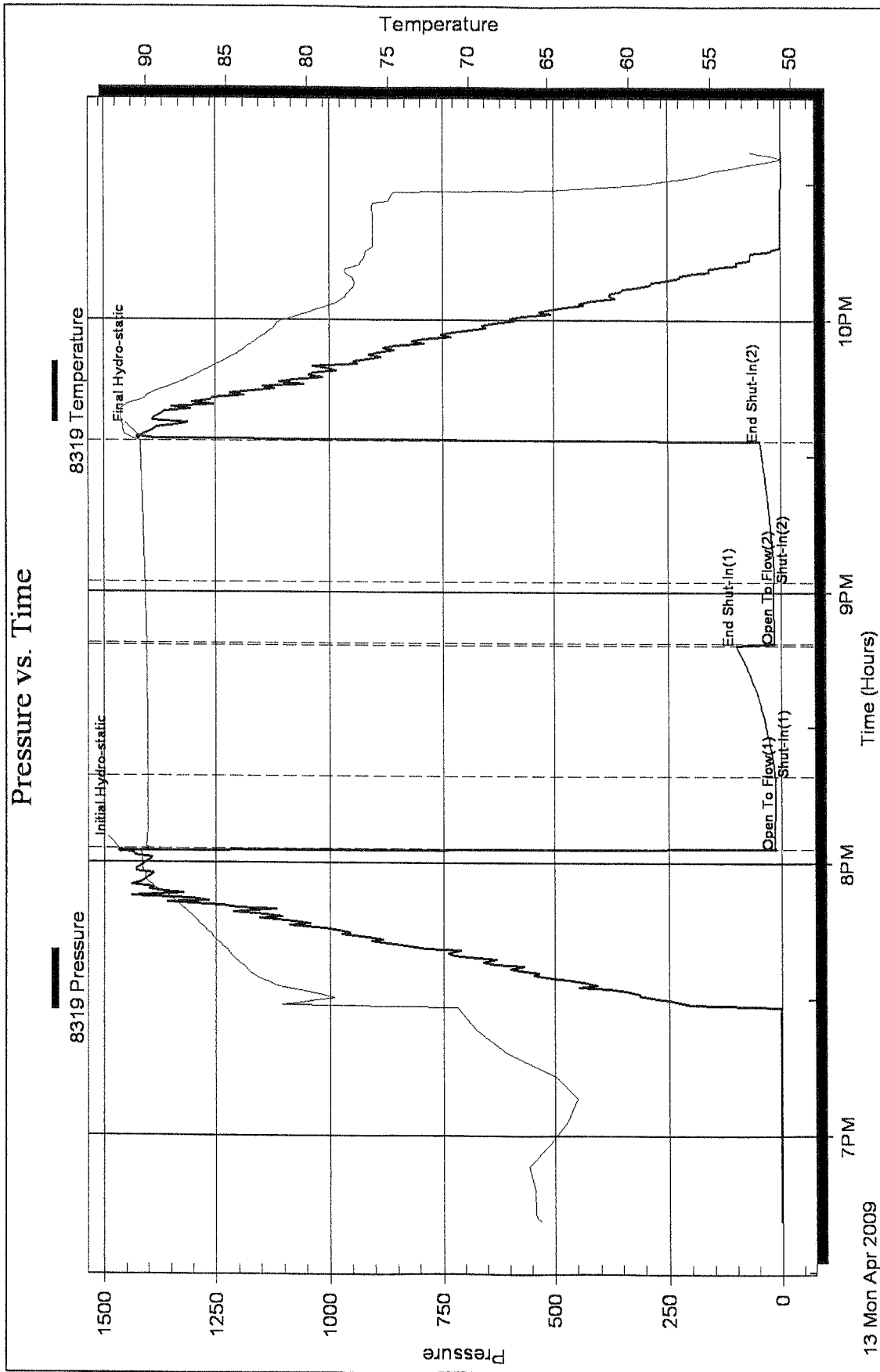
Recovery Information

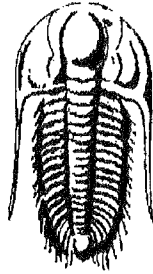
Recovery Table

Length ft	Description	Volume bbl
5.00	Mud scum of Oil	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:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil**

P.O Box 550
Hays, KS 67601

ATTN: Bill Ree

28-8-13 Osborne KS

Schultz #1

Start Date: 2009.04.14 @ 10:10:16

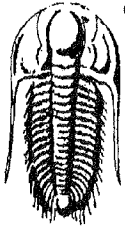
End Date: 2009.04.14 @ 16:46:46

Job Ticket #: 34995 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Drilling Oil
P.O Box 550
Hays, KS 67601
ATTN: Bill Ree

Schultz #1
28-8-13 Osborne KS
Job Ticket: 34995 **DST#: 3**
Test Start: 2009.04.14 @ 10:10:16

GENERAL INFORMATION:

Formation: **LKC "B-C"**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 11:35:16
Time Test Ended: 16:46:46

Test Type: **Conventional Bottom Hole**
Tester: **Kyle Kinderknecht**
Unit No: **47**

Interval: **2952.00 ft (KB) To 2992.00 ft (KB) (TVD)**
Total Depth: **2992.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1713.00 ft (KB)**
1705.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8319

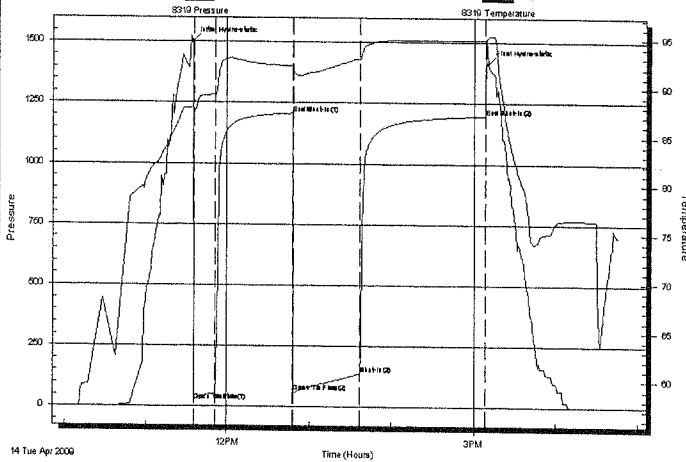
Inside

Press@RunDepth: **137.30 psig @ 2956.00 ft (KB)**
Start Date: **2009.04.14** End Date: **2009.04.14**
Start Time: **10:10:21** End Time: **16:46:45**

Capacity: **7000.00 psig**
Last Calib.: **2009.04.14**
Time On Btm: **2009.04.14 @ 11:34:46**
Time Off Btm: **2009.04.14 @ 15:10:16**

TEST COMMENT: IF BOB 7 min
ISI 2"
FF BOB 5 min
FSI 3" Died 60 min

Pressure vs. Time



PRESSURE SUMMARY

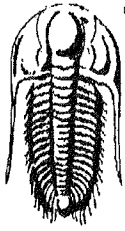
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1502.49	88.05	Initial Hydro-static
1	23.09	87.72	Open To Flow (1)
17	55.72	89.34	Shut-In(1)
73	1206.53	92.23	End Shut-In(1)
74	62.25	91.80	Open To Flow (2)
122	137.30	92.97	Shut-In(2)
214	1197.69	94.90	End Shut-In(2)
216	1413.58	95.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
205.00	GsyMCO 25%g 55%O 20%m	2.63
126.00	GsyFreeOil 10%g 90%O	1.79
0.00	945' GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Drilling Oil
P.O Box 550
Hays, KS 67601
ATTN: Bill Ree

Schultz #1
28-8-13 Osborne KS
Job Ticket: 34995 DST#: 3
Test Start: 2009.04.14 @ 10:10:16

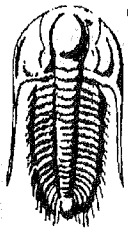
Tool Information

Drill Pipe:	Length: 2912.00 ft	Diameter: 3.82 inches	Volume: 41.28 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 46000.00 lb
		Total Volume: 41.43 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	2952.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	60.00 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			2933.00	
Shut In Tool	5.00			2938.00	
Hydraulic tool	5.00			2943.00	
Packer	4.00			2947.00	20.00 Bottom Of Top Packer
Packer	5.00			2952.00	
Stubb	1.00			2953.00	
Perforations	2.00			2955.00	
Change Over Sub	1.00			2956.00	
Recorder	0.00	8319	Inside	2956.00	
Recorder	0.00	8369	Inside	2956.00	
Blank Spacing	32.00			2988.00	
Change Over Sub	1.00			2989.00	
Bullnose	3.00			2992.00	40.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Drilling Oil
P.O Box 550
Hays, KS 67601
ATTN: Bill Ree

Schultz #1
28-8-13 Osborne KS
Job Ticket: 34995 **DST#: 3**
Test Start: 2009.04.14 @ 10:10:16

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.58 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1400.00 ppm		
Filter Cake: inches		

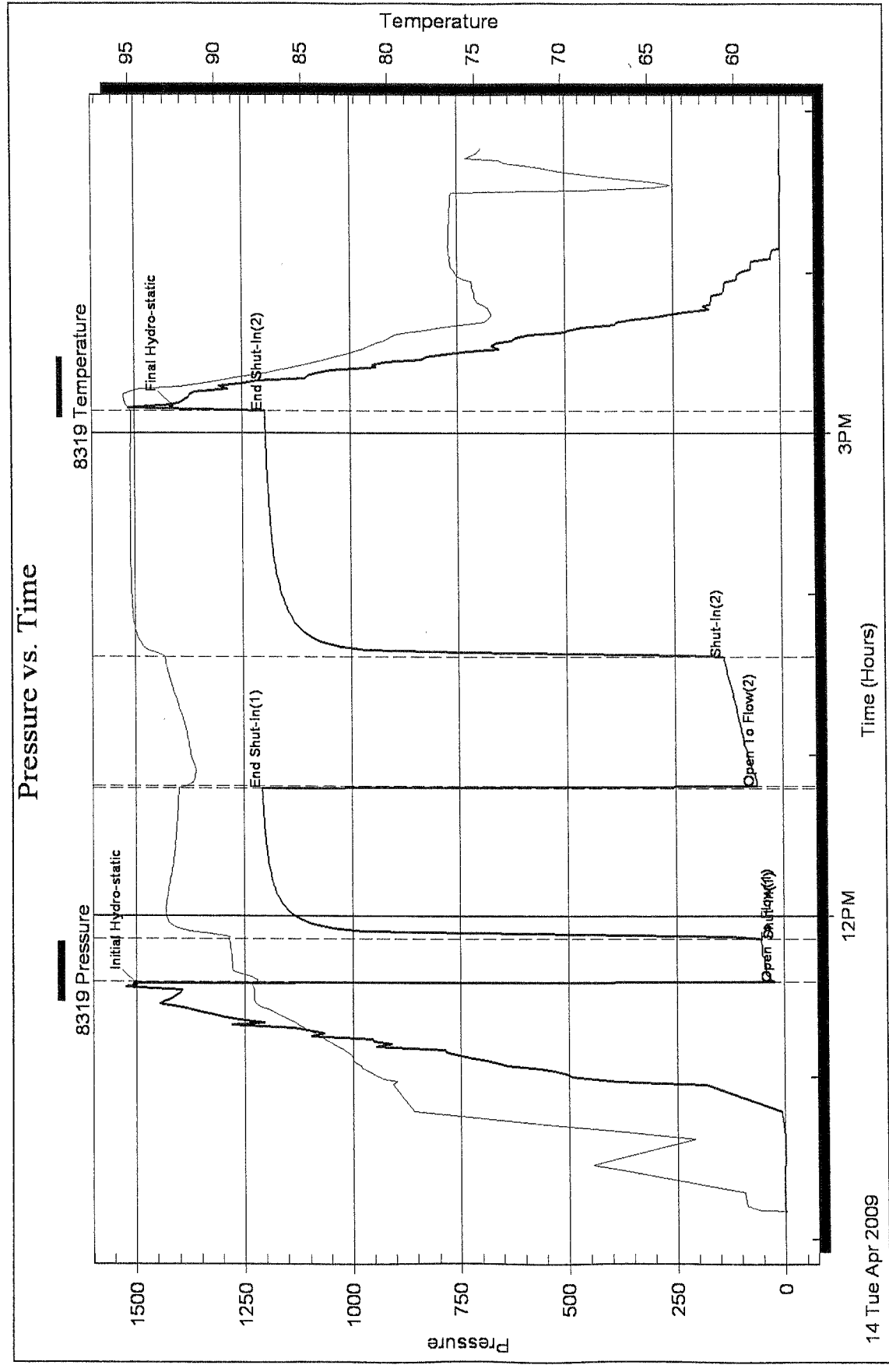
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
205.00	GsyMCO 25%g 55%O 20%m	2.628
126.00	GsyFreeOil 10%g 90%O	1.786
0.00	945' GIP	0.000

Total Length: 331.00 ft Total Volume: 4.414 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

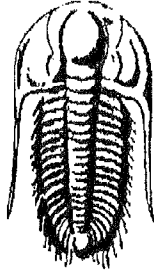
Pressure vs. Time



14 Tue Apr 2009

3PM

12PM



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil**

P.O Box 550
Hays, KS 67601

ATTN: Bill Ree

28-8-13 Osborne KS

Schultz #1

Start Date: 2009.04.16 @ 10:56:46

End Date: 2009.04.16 @ 16:54:16

Job Ticket #: 34996 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Dreiling Oil

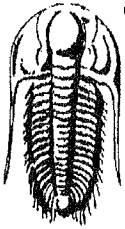
Schultz #1

28-8-13 Osborne KS

DST # 4

Viola

2009.04.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Drilling Oil
P.O Box 550
Hays, KS 67601
ATTN: Bill Ree

Schultz #1
28-8-13 Osborne KS
Job Ticket: 34996 **DST#: 4**
Test Start: 2009.04.16 @ 10:56:46

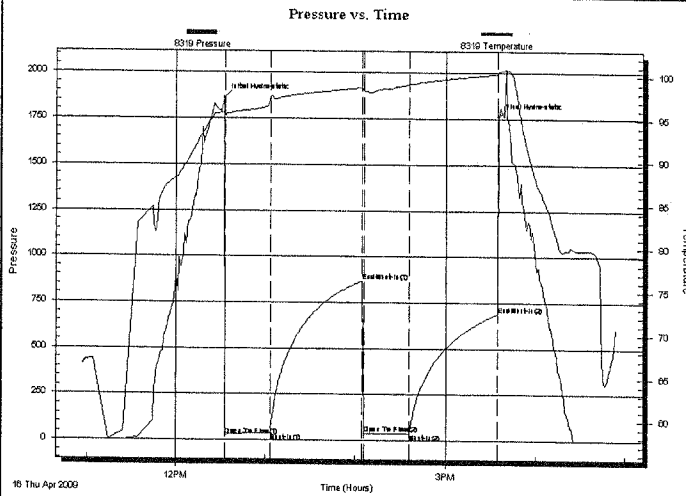
GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:33:16
Time Test Ended: 16:54:16
Interval: **3570.00 ft (KB) To 3625.00 ft (KB) (TVD)**
Total Depth: 3625.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1713.00 ft (KB)
1705.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8319 Inside
Press@RunDepth: 39.40 psig @ 3574.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2009.04.16 End Date: 2009.04.16 Last Calib.: 2009.04.16
Start Time: 10:56:51 End Time: 16:54:15 Time On Btm: 2009.04.16 @ 12:32:46
Time Off Btm: 2009.04.16 @ 15:34:46

TEST COMMENT: IF 2"

FF Weak died 5 min



PRESSURE SUMMARY

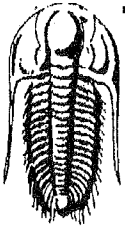
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1860.54	95.83	Initial Hydro-static
1	24.26	95.43	Open To Flow (1)
31	36.65	97.48	Shut-In(1)
92	867.44	98.64	End Shut-In(1)
93	37.93	98.34	Open To Flow (2)
123	39.40	98.97	Shut-In(2)
182	689.37	100.21	End Shut-In(2)
182	1762.76	100.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	Mud	0.50

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil
P.O Box 550
Hays, KS 67601
ATTN: Bill Ree

Schultz #1
28-8-13 Osborne KS
Job Ticket: 34996 DST#: 4
Test Start: 2009.04.16 @ 10:56:46

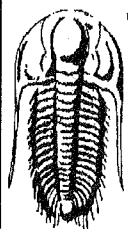
Tool Information

Drill Pipe:	Length: 3547.00 ft	Diameter: 3.82 inches	Volume: 50.28 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 50.43 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3570.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	75.00 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			3551.00	
Shut In Tool	5.00			3556.00	
Hydraulic tool	5.00			3561.00	
Packer	4.00			3565.00	20.00 Bottom Of Top Packer
Packer	5.00			3570.00	
Stubb	1.00			3571.00	
Perforations	2.00			3573.00	
Change Over Sub	1.00			3574.00	
Recorder	0.00	8319	inside	3574.00	
Recorder	0.00	8369	inside	3574.00	
Blank Spacing	32.00			3606.00	
Change Over Sub	1.00			3607.00	
Perforations	15.00			3622.00	
Bullnose	3.00			3625.00	55.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Drilling Oil
P.O Box 550
Hays, KS 67601
ATTN: Bill Ree

Schultz #1
28-8-13 Osborne KS
Job Ticket: 34996 **DST#: 4**
Test Start: 2009.04.16 @ 10:56:46

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume:		
Water Loss: 7.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure:		
Salinity: 1500.00 ppm			
Filter Cake: inches			

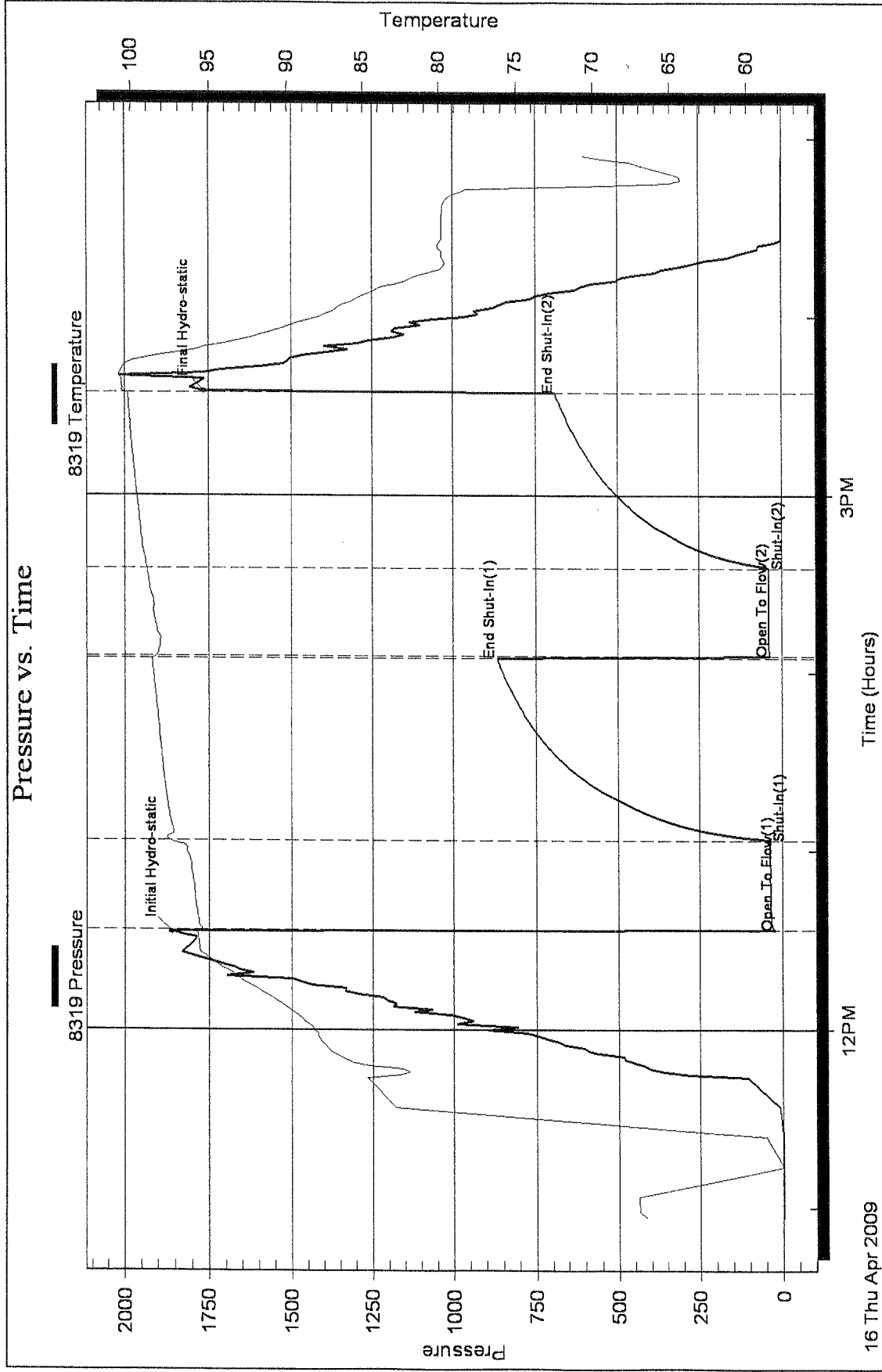
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	Mud	0.502

Total Length: 55.00 ft Total Volume: 0.502 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time

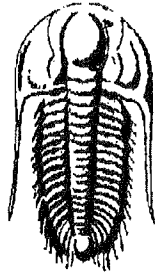


16 Thu Apr 2009

12 PM

3 PM

Time (Hours)



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil**

P.O Box 550
Hays, KS 67601

ATTN: Bill Ree

28-8-13 Osborne KS

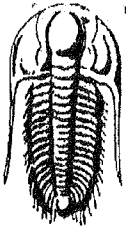
Schultz #1

Start Date: 2009.04.17 @ 03:12:27

End Date: 2009.04.17 @ 07:34:57

Job Ticket #: 34997 DST #: 5

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Drilling Oil
P.O Box 550
Hays, KS 67601
ATTN: Bill Ree

Schultz #1
28-8-13 Osborne KS
Job Ticket: 34997 **DST#: 5**
Test Start: 2009.04.17 @ 03:12:27

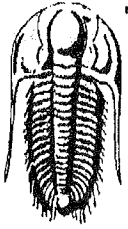
Tool Information

Drill Pipe:	Length: 3608.00 ft	Diameter: 3.82 inches	Volume: 51.14 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 51.29 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3650.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	65.00 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			3631.00	
Shut In Tool	5.00			3636.00	
Hydraulic tool	5.00			3641.00	
Packer	4.00			3645.00	20.00 Bottom Of Top Packer
Packer	5.00			3650.00	
Stubb	1.00			3651.00	
Perforations	2.00			3653.00	
Change Over Sub	1.00			3654.00	
Recorder	0.00	8319	Inside	3654.00	
Recorder	0.00	8369	Inside	3654.00	
Blank Spacing	32.00			3686.00	
Change Over Sub	1.00			3687.00	
Perforations	5.00			3692.00	
Bullnose	3.00			3695.00	45.00 Bottom Packers & Anchor

Total Tool Length: 65.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Drilling Oil
P.O Box 550
Hays, KS 67601
ATTN: Bill Ree

Schultz #1
28-8-13 Osborne KS
Job Ticket: 34997 **DST#: 5**
Test Start: 2009.04.17 @ 03:12:27

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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud oil spots in tool	0.074

Total Length: 15.00 ft Total Volume: bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

