

## DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co.**

125 N. Market St.  
Suite 1000  
Wichita, KS 67202

ATTN: Mikeal Maune

### **19-32s-13w Barber KS**

#### **Mills #2**

Start Date: 2005.05.01 @ 11:46:14

End Date: 2005.05.01 @ 20:31:59

Job Ticket #: 20733                      DST #: 1

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating Co.  
125 N. Market St.  
Suite 1000  
Wichita, KS 67202  
ATTN: Mikeal Maune

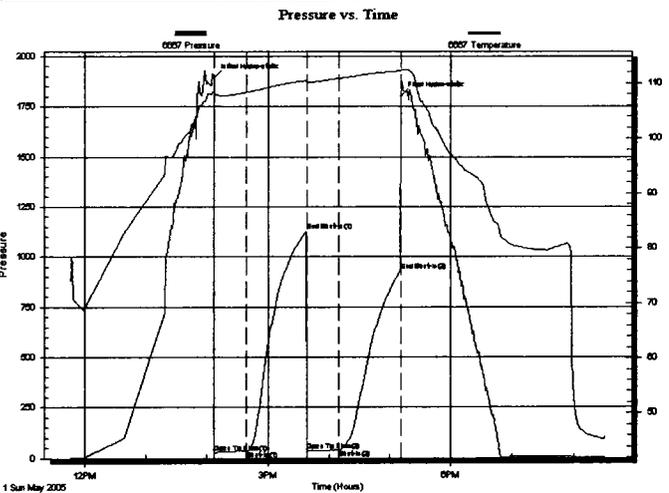
**Mills #2**  
**19-32s-13w Barber KS**  
Job Ticket: 20733      DST#: 1  
Test Start: 2005.05.01 @ 11:46:14

## GENERAL INFORMATION:

Formation: **Toronto**  
Deviated: **No Whipstock:**      ft (KB)  
Time Tool Opened: **14:07:14**  
Time Test Ended: **20:31:59**  
Interval: **3891.00 ft (KB) To 3950.00 ft (KB) (TVD)**  
Total Depth: **3950.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole**  
Tester: **Jake Fahrenbruch**  
Unit No: **19**  
Reference Elevations: **1860.00 ft (KB)**  
**1847.00 ft (CF)**  
KB to GR/CF: **13.00 ft**

**Serial #: 6667**      **Inside**  
Press@RunDepth: **39.80 psig @ 3892.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2005.05.01**      End Date: **2005.05.01**      Last Calib.: **2005.05.01**  
Start Time: **11:46:19**      End Time: **20:31:59**      Time On Btm: **2005.05.01 @ 14:06:59**  
Time Off Btm: **2005.05.01 @ 17:10:59**

**TEST COMMENT:** IF: Weak blow @ 1/4", slowly dying to a surface blow.  
IS: Bled off, no blow back.  
FF: No blow.  
FS: No blow.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1892.66	108.49	Initial Hydro-static
1	27.02	107.37	Open To Flow (1)
32	36.73	108.35	Shut-In(1)
91	1128.78	110.48	End Shut-In(1)
91	37.48	110.21	Open To Flow (2)
123	39.80	110.85	Shut-In(2)
184	927.61	112.23	End Shut-In(2)
184	1800.93	112.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	Drig mud 100% <sub>m</sub>	0.20
0.00	No check on resistivity.	0.00
0.00	0	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Woolsey Operating Co.

**Mills #2**

125 N. Market St.  
Suite 1000  
Wichita, KS 67202  
ATTN: Mkeal Maune

**19-32s-13w Barber KS**

Job Ticket: 20733      **DST#: 1**

Test Start: 2005.05.01 @ 11:46:14

**Tool Information**

Drill Pipe:	Length: 3629.00 ft	Diameter: 3.80 inches	Volume: 50.91 bbl	Tool Weight: 21000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 247.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 52.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3891.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	87.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

**Tool Description**

**Length (ft)    Serial No.    Position    Depth (ft)    Accum. Lengths**

Shut In Tool	5.00			3868.00	
Hydraulic tool	5.00			3873.00	
Jars	5.00			3878.00	
Safety Joint	3.00			3881.00	
Packer	5.00			3886.00	28.00      Bottom Of Top Packer
Packer	5.00			3891.00	
Stubb	1.00			3892.00	
Recorder	0.00	6667	Inside	3892.00	
Perforations	11.00			3903.00	
Change Over Sub	1.00			3904.00	
Blank Spacing	32.00			3936.00	
Change Over Sub	1.00			3937.00	
Perforations	10.00			3947.00	
Recorder	0.00	6074	Outside	3947.00	
Bullnose	3.00			3950.00	59.00      Bottom Packers & Anchor

**Total Tool Length:    87.00**



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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Woolsey Operating Co.

**Mills #2**

125 N. Market St.  
Suite 1000  
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ATTN: Mikeal Maune

**19-32s-13w Barber KS**  
Job Ticket: 20733      **DST#: 1**  
Test Start: 2005.05.01 @ 11:46:14

**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: 9.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.04 inches			

**Recovery Information**

Recovery Table

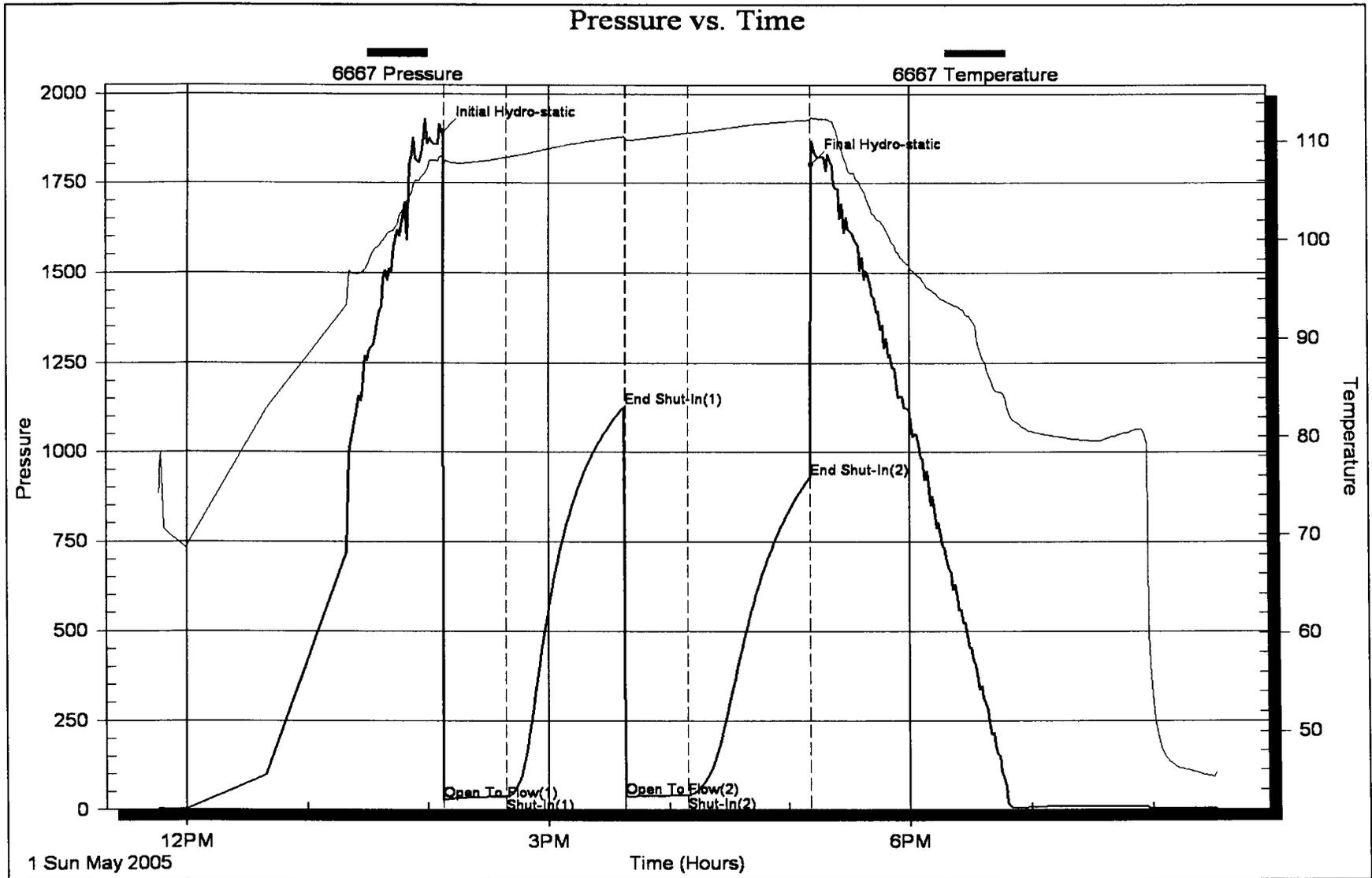
Length ft	Description	Volume bbl
40.00	Drig mud 100%m	0.197
0.00	No check on resistivity.	0.000
0.00	0	0.000

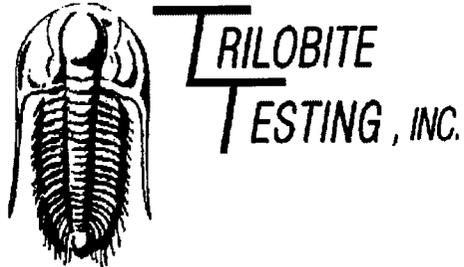
Total Length: 40.00 ft      Total Volume: 0.197 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: 4# LCM in drilling mud





## DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co.**

125 N. Market St.  
Suite 1000  
Wichita, KS 67202

ATTN: Mikeal Maune

**19-32s-13w Barber KS**

**Mills #2**

Start Date: 2005.05.06 @ 21:21:04

End Date: 2005.05.07 @ 07:24:04

Job Ticket #: 21417                      DST #: 2

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# DRILL STEM TEST REPORT

Woolsey Operating Co.  
125 N. Market St.  
Suite 1000  
Wichita, KS 67202  
ATTN: Mikeal Maune

**Mills #2**  
**19-32s-13w Barber KS**  
Job Ticket: 21417      DST#: 2  
Test Start: 2005.05.06 @ 21:21:04

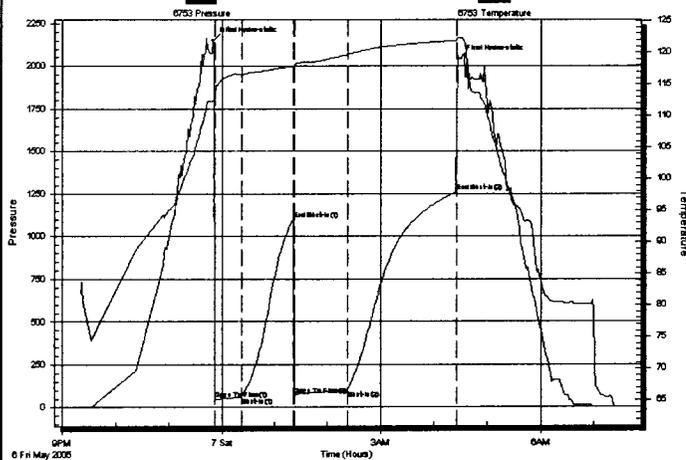
## GENERAL INFORMATION:

Formation: **Marmaton**  
Deviated: **No Whipstock:**      ft (KB)  
Time Tool Opened: 23:52:19  
Time Test Ended: 07:24:04  
Interval: **4476.00 ft (KB) To 4520.00 ft (KB) (TVD)**  
Total Depth: **4520.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole**  
Tester: **Davy Cline**  
Unit No: **24**  
Reference Elevations: **1860.00 ft (KB)**  
**1847.00 ft (CF)**  
KB to GR/CF: **13.00 ft**

**Serial #: 6753**      **Inside**  
Press@RunDepth: **100.55 psig @ 4477.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2005.05.06**      End Date: **2005.05.07**      Last Calib.: **2005.05.07**  
Start Time: **21:21:05**      End Time: **07:24:04**      Time On Btm: **2005.05.06 @ 23:49:49**  
Time Off Btm: **2005.05.07 @ 04:28:34**

**TEST COMMENT:** F: Fair to Strong blow . BOB 4 min. 45 sec.  
IS: Bled off. No blow back.  
FF: Fair to Strong blow . BOB 1 min.  
FS: Bled off. No blow back.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2148.83	112.47	Initial Hydro-static
3	46.92	113.16	Open To Flow (1)
33	60.44	116.48	Shut-In(1)
92	1099.72	117.83	End Shut-In(1)
93	67.71	117.86	Open To Flow (2)
154	100.55	119.70	Shut-In(2)
276	1259.82	121.91	End Shut-In(2)
279	2043.05	122.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
35.00	G & VSOCM 17%g 8%o 75%m	0.28
30.00	G & SOCM 60%g 30%o 10%m	0.24
0.00	1200' GP	0.00

## Gas Rates

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



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**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Woolsey Operating Co.

**Mills #2**

125 N. Market St.

**19-32s-13w Barber KS**

Suite 1000

Job Ticket: 21417

DST#: 2

Wichita, KS 67202

ATTN: Mkeal Maune

Test Start: 2005.05.06 @ 21:21:04

**Tool Information**

Drill Pipe:	Length: 308.00 ft	Diameter: 3.25 inches	Volume: 3.16 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 4167.00 ft	Diameter: 2.88 inches	Volume: 33.58 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 36.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4476.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	72.00 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			4449.00	
Shut In Tool	5.00			4454.00	
Hydraulic tool	5.00			4459.00	
Jars	5.00			4464.00	
Safety Joint	2.00			4466.00	
Packer	5.00			4471.00	28.00 Bottom Of Top Packer
Packer	5.00			4476.00	
Stubb	1.00			4477.00	
Recorder	0.00	6753	Inside	4477.00	
Perforations	40.00			4517.00	
Recorder	0.00	13400	Outside	4517.00	
Bullnose	3.00			4520.00	44.00 Bottom Packers & Anchor

**Total Tool Length: 72.00**



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**FLUID SUMMARY**

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ATTN: Mikeal Maune

**19-32s-13w Barber KS**  
Job Ticket: 21417      **DST#: 2**  
Test Start: 2005.05.06 @ 21:21:04

## 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: 48.00 sec/qt	Cushion Volume:		
Water Loss: 10.38 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure:		
Salinity: 6000.00 ppm			
Filter Cake: inches			

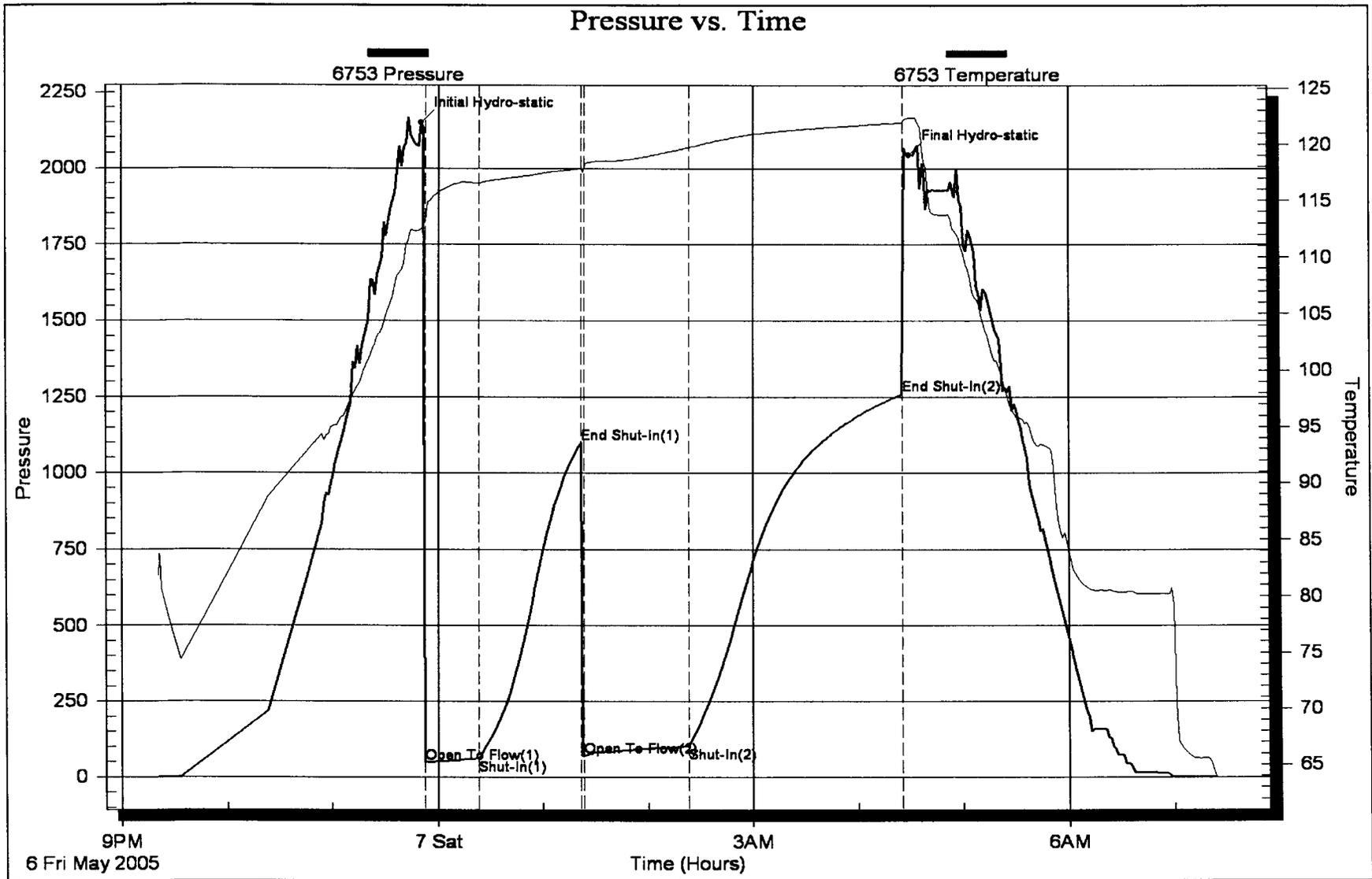
## Recovery Information

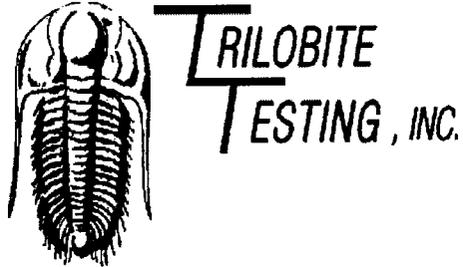
Recovery Table

Length ft	Description	Volume bbl
35.00	G & VSOCM 17%g 8%o 75%m	0.282
30.00	G & SOCM 60%g 30%o 10%m	0.242
0.00	1200' GP	0.000

Total Length: 65.00 ft      Total Volume: 0.524 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





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**19-32s-13w Barber KS**

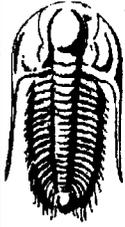
**Mills #2**

Start Date: 2005.05.07 @ 18:26:43

End Date: 2005.05.08 @ 02:53:43

Job Ticket #: 21418                      DST #: 3

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# DRILL STEM TEST REPORT

Woolsey Operating Co.

**Mills #2**

125 N. Market St.  
Suite 1000  
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ATTN: Mikeal Maune

**19-32s-13w Barber KS**  
Job Ticket: 21418      DST#: 3  
Test Start: 2005.05.07 @ 18:26:43

## GENERAL INFORMATION:

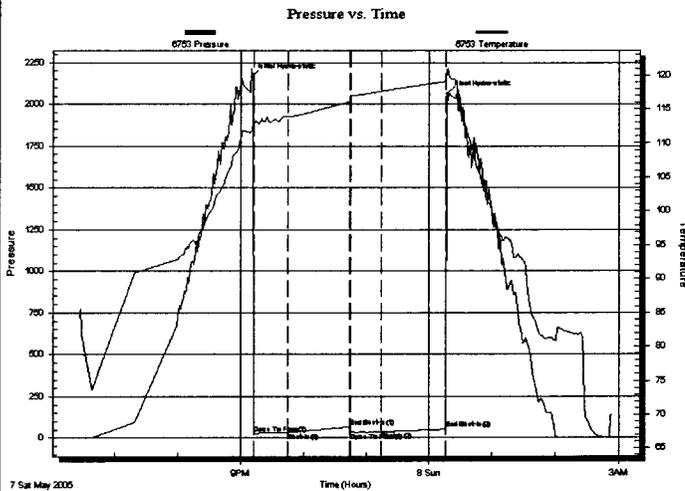
Formation: **Altamont**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: **21:12:13**  
Time Test Ended: **02:53:43**  
Interval: **4522.00 ft (KB) To 4550.00 ft (KB) (TVD)**  
Total Depth: **4550.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole**  
Tester: **Davy Cline**  
Unit No: **24**  
Reference Elevations: **1860.00 ft (KB)**  
**1847.00 ft (CF)**  
KB to GR/CF: **13.00 ft**

## Serial #: 6753

**Inside**

Press@RunDepth: **36.57 psig @ 4523.00 ft (KB)**  
Start Date: **2005.05.07** End Date: **2005.05.08**  
Start Time: **18:26:44** End Time: **02:53:43**  
Capacity: **7000.00 psig**  
Last Calib.: **2005.05.08**  
Time On Btm: **2005.05.07 @ 21:09:58**  
Time Off Btm: **2005.05.08 @ 00:17:13**

TEST COMMENT: **F: Very weak surface blow, 1/4 inch in water.**  
**IS: No blow.**  
**FF: Very weak surface blow, 1/4 inch on water.**  
**FS: No blow.**



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2161.62	111.76	Initial Hydro-static
3	25.63	112.38	Open To Flow (1)
35	33.68	113.88	Shut-In(1)
94	67.03	116.06	End Shut-In(1)
95	34.01	116.82	Open To Flow (2)
125	36.57	117.61	Shut-In(2)
186	52.57	119.07	End Shut-In(2)
188	2061.77	120.74	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	SI GCM w /oil specs 100% m	0.12

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Operating Co.

**Mills #2**

125 N. Market St.  
Suite 1000  
Wichita, KS 67202  
ATTN: Mkeal Maune

**19-32s-13w Barber KS**

Job Ticket: 21418      **DST#: 3**

Test Start: 2005.05.07 @ 18:26:43

**Tool Information**

Drill Pipe:	Length: 4199.00 ft	Diameter: 3.25 inches	Volume: 43.08 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 308.00 ft	Diameter: 2.88 inches	Volume: 2.48 bbl	Weight to Pull Loose: 85000.00 lb
			<b>Total Volume: 45.56 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4522.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	56.00 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			4495.00	
Shut In Tool	5.00			4500.00	
Hydraulic tool	5.00			4505.00	
Jars	5.00			4510.00	
Safety Joint	2.00			4512.00	
Packer	5.00			4517.00	28.00      Bottom Of Top Packer
Packer	5.00			4522.00	
Stubb	1.00			4523.00	
Recorder	0.00	6753	Inside	4523.00	
Perforations	24.00			4547.00	
Recorder	0.00	13400	Outside	4547.00	
Bullnose	3.00			4550.00	28.00      Bottom Packers & Anchor

**Total Tool Length: 56.00**



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating Co.

**Mills #2**

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Wichita, KS 67202  
ATTN: Mikeal Maune

**19-32s-13w Barber KS**  
Job Ticket: 21418      **DST#: 3**  
Test Start: 2005.05.07 @ 18:26:43

## 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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.20 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SI GCM w/oil specs 100%m	0.121

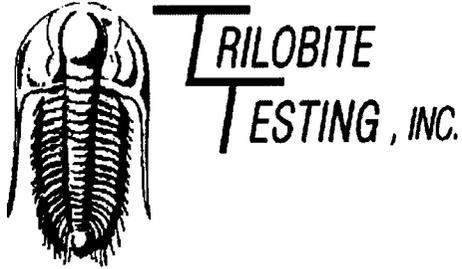
Total Length: 15.00 ft      Total Volume: 0.121 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co.**

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Suite 1000  
Wichita, KS 67202

ATTN: Mikeal Maune

**19-32s-13w Barber KS**

**Mills #2**

Start Date: 2005.05.08 @ 13:32:00

End Date: 2005.05.08 @ 23:09:15

Job Ticket #: 21418                      DST #: 4

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PO Box 362 Hays, KS 67601  
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Suite 1000  
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ATTN: Mikeal Maune

**19-32s-13w Barber KS**

Job Ticket: 21418      **DST#: 4**

Test Start: 2005.05.08 @ 13:32:00

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: **No** Whipstock:                      ft (KB)

Time Tool Opened: 15:52:15

Time Test Ended: 23:09:15

Test Type: Conventional Bottom Hole

Tester: Davy Cline

Unit No: 24

Interval: **4452.00 ft (KB) To 4590.00 ft (KB) (TVD)**

Reference Elevations: 1860.00 ft (KB)

Total Depth: 4590.00 ft (KB) (TVD)

1847.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

**Serial #: 6753**      **Inside**

Press@RunDepth: 79.34 psig @ 4553.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.05.08

End Date: 2005.05.08

Last Calib.: 2005.05.08

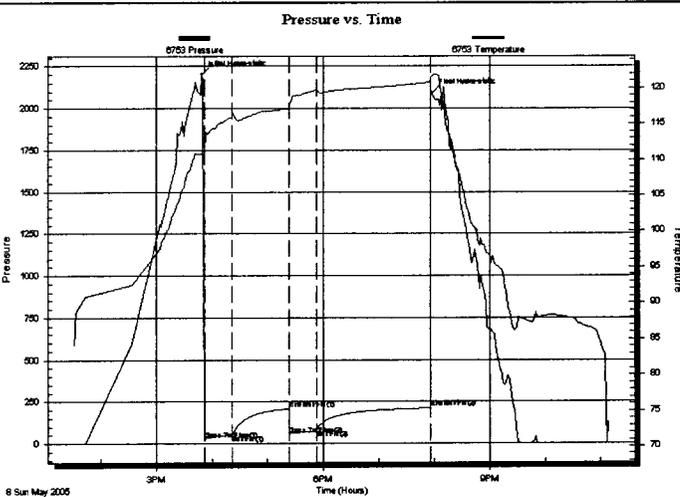
Start Time: 13:32:01

End Time: 23:09:15

Time On Btm: 2005.05.08 @ 15:49:30

Time Off Btm: 2005.05.08 @ 19:57:15

**TEST COMMENT:** F: Fair blow . BOB 14 min.  
IS: Bled off. No blow back.  
FF: Fair blow . BOB 14 min.  
FS: Bled off. No blow back.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2201.26	110.73	Initial Hydro-static
3	25.44	111.04	Open To Flow (1)
33	52.13	116.23	Shut-In(1)
93	208.14	117.09	End Shut-In(1)
94	54.00	117.35	Open To Flow (2)
124	79.34	119.68	Shut-In(2)
246	211.29	120.80	End Shut-In(2)
248	2090.45	121.69	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GCM w / oil specs 100%m	0.48

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Woolsey Operating Co.

**Mills #2**

125 N. Market St.  
Suite 1000  
Wichita, KS 67202  
ATTN: Mikeal Maune

**19-32s-13w Barber KS**  
Job Ticket: 21418      **DST#: 4**  
Test Start: 2005.05.08 @ 13:32:00

**Tool Information**

Drill Pipe:	Length: 4231.00 ft	Diameter: 3.25 inches	Volume: 43.41 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 308.00 ft	Diameter: 2.88 inches	Volume: 2.48 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 45.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4552.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			4525.00	
Shut In Tool	5.00			4530.00	
Hydraulic tool	5.00			4535.00	
Jars	5.00			4540.00	
Safety Joint	2.00			4542.00	
Packer	5.00			4547.00	28.00      Bottom Of Top Packer
Packer	5.00			4552.00	
Stubb	1.00			4553.00	
Recorder	0.00	6753	inside	4553.00	
Perforations	34.00			4587.00	
Recorder	0.00	13400	Outside	4587.00	
Bullnose	3.00			4590.00	38.00      Bottom Packers & Anchor

**Total Tool Length: 66.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating Co.

**Mills #2**

125 N. Market St.  
Suite 1000  
Wichita, KS 67202  
ATTN: Mikeal Maune

**19-32s-13w Barber KS**  
Job Ticket: 21418      **DST#: 4**  
Test Start: 2005.05.08 @ 13:32:00

## 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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 10000.00 ppm			
Filter Cake: 0.20 inches			

## Recovery Information

Recovery Table

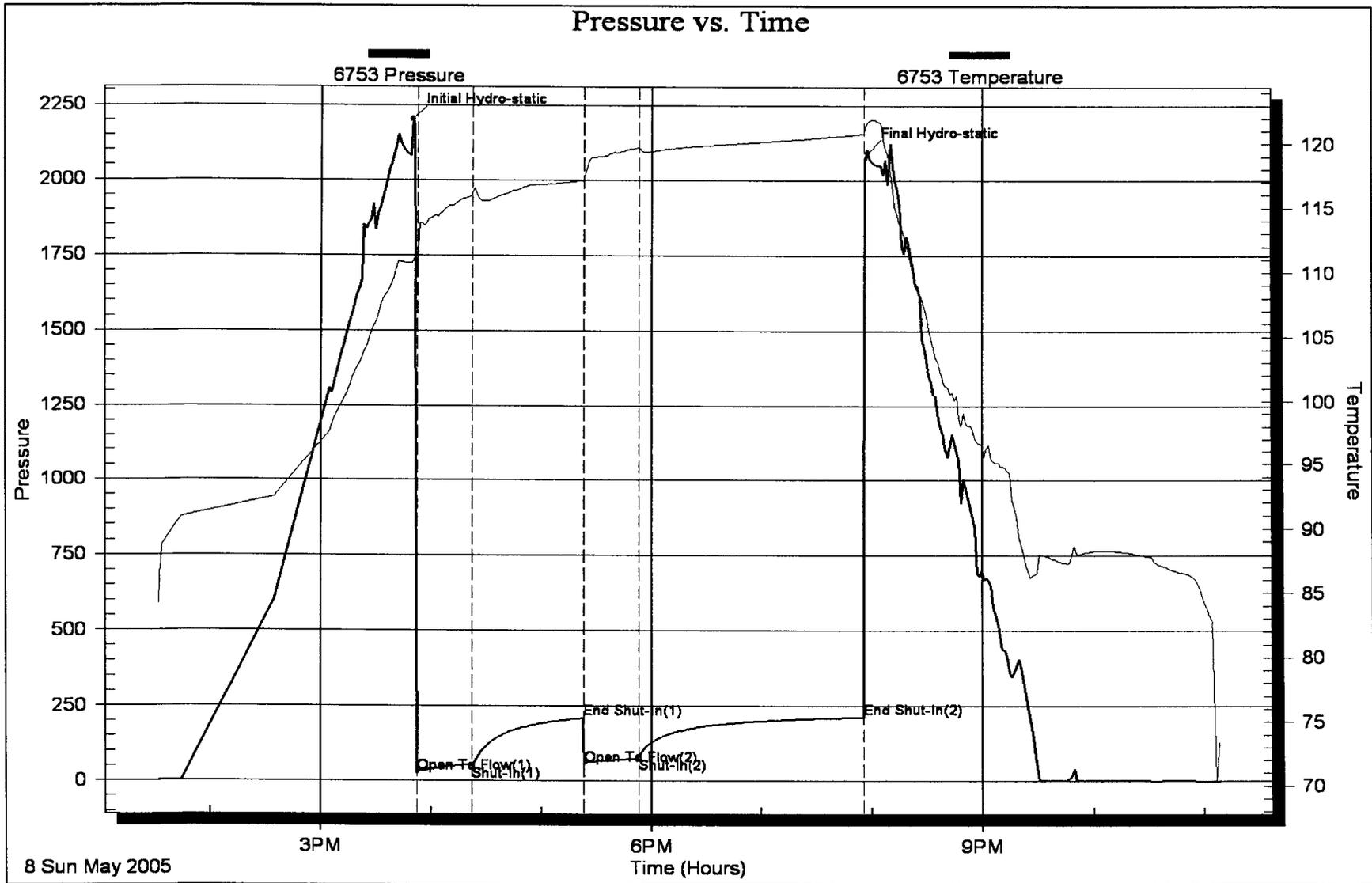
Length ft	Description	Volume bbl
60.00	GCMw / oil specs 100% <sub>m</sub>	0.483

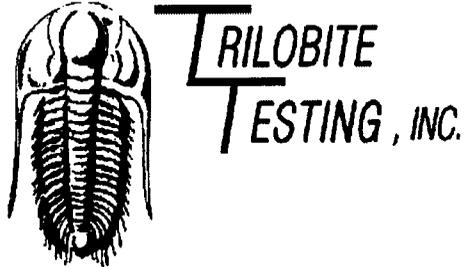
Total Length: 60.00 ft      Total Volume: 0.483 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co.**

125 N. Market St.  
Suite 1000  
Wichita, KS 67202

ATTN: Mikeal Maune

**19-32s-13w Barber KS**

**Mills #2**

Start Date: 2005.05.09 @ 08:05:00

End Date: 2005.05.09 @ 19:34:45

Job Ticket #: 21420                      DST #: 5

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating Co.  
125 N. Market St.  
Suite 1000  
Wichita, KS 67202  
ATTN: Mikeal Maune

**Mills #2**

**19-32s-13w Barber KS**

Job Ticket: 21420      DST#: 5

Test Start: 2005.05.09 @ 08:05:00

## GENERAL INFORMATION:

Formation: **Miss.**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 11:54:45  
Time Test Ended: 19:34:45  
Interval: **4591.00 ft (KB) To 4610.00 ft (KB) (TVD)**  
Total Depth: **4610.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole**  
Tester: **Davy Cline**  
Unit No: **24**  
Reference Elevations: **1860.00 ft (KB)**  
**1847.00 ft (CF)**  
KB to GR/CF: **13.00 ft**

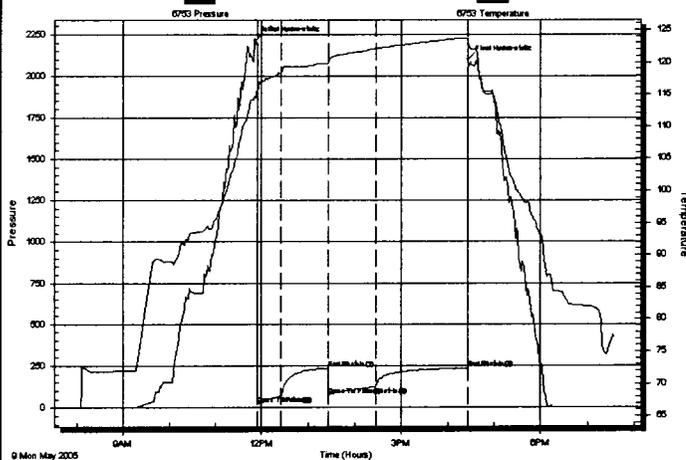
## Serial #: 6753

Inside

Press@RunDepth: 123.72 psig @ 4592.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2005.05.09      End Date: 2005.05.09      Last Calib.: 2005.05.09  
Start Time: 08:05:01      End Time: 19:34:45      Time On Btm: 2005.05.09 @ 11:52:00  
Time Off Btm: 2005.05.09 @ 16:26:30

TEST COMMENT: F: Fair to strong blow. BOB 11min. 30sec.  
IS: Bled off. No blow back  
FF: Fair blow. BOB 50 min.  
FS: Bled off. No blow back.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2214.73	114.40	Initial Hydro-static
3	21.79	115.33	Open To Flow (1)
34	68.75	118.45	Shut-In(1)
94	235.34	119.86	End Shut-In(1)
94	73.97	119.86	Open To Flow (2)
155	123.72	122.10	Shut-In(2)
274	234.66	123.68	End Shut-In(2)
275	2102.83	123.38	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	GCM 10%w 90%m	0.32
90.00	G & MCW 70%w 30%m	0.73
90.00	G & MCW 90%w 10%m	0.73

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Operating Co.

**Mills #2**

125 N. Market St.  
Suite 1000  
Wichita, KS 67202  
ATTN: Mikeal Maune

**19-32s-13w Barber KS**  
Job Ticket: 21420      **DST#: 5**  
Test Start: 2005.05.09 @ 08:05:00

**Tool Information**

Drill Pipe:	Length: 4263.00 ft	Diameter: 3.25 inches	Volume: 43.74 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 308.00 ft	Diameter: 2.88 inches	Volume: 2.48 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 46.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4591.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	47.00 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			4564.00	
Shut In Tool	5.00			4569.00	
Hydraulic tool	5.00			4574.00	
Jars	5.00			4579.00	
Safety Joint	2.00			4581.00	
Packer	5.00			4586.00	28.00      Bottom Of Top Packer
Packer	5.00			4591.00	
Stubb	1.00			4592.00	
Recorder	0.00	6753	Inside	4592.00	
Perforations	15.00			4607.00	
Recorder	0.00	13400	Outside	4607.00	
Bullnose	3.00			4610.00	19.00      Bottom Packers & Anchor

**Total Tool Length: 47.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Woolsey Operating Co.  
125 N. Market St.  
Suite 1000  
Wichita, KS 67202  
ATTN: Mikeal Maune

**Mills #2**  
**19-32s-13w Barber KS**  
Job Ticket: 21420      **DST#: 5**  
Test Start: 2005.05.09 @ 08:05:00

**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:	22000 ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 13.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 13000.00 ppm			
Filter Cake: 0.20 inches			

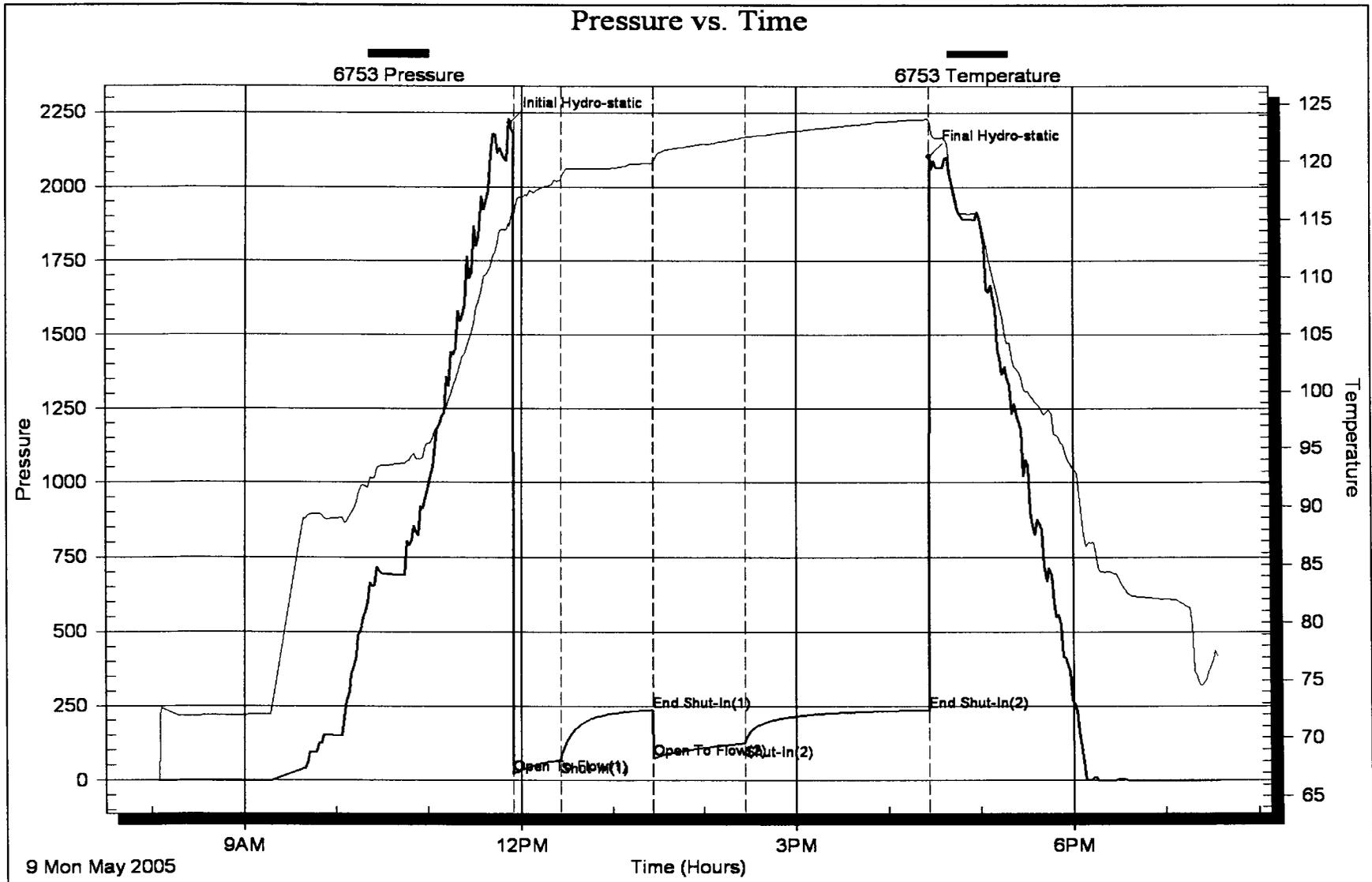
**Recovery Information**

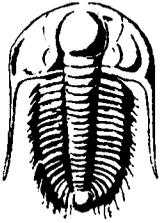
Recovery Table

Length ft	Description	Volume bbl
40.00	GCM 10%w 90%m	0.322
90.00	G & MCW 70%w 30%m	0.725
90.00	G & MCW 90%w 10%m	0.725

Total Length: 220.00 ft      Total Volume: 1.772 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: Water Recovery- .24 ohms @ 85 deg.





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

*TUV  
7492*

No 20733

05/03

## Test Ticket

Well Name & No. MILLS #2 Test No. PST #1 Date 5-1-05  
 Company WOOLSEY OPERATING COMPANY Zone Tested TORONTO  
 Address 125 N. MARKET STE 1000 WICHITA, KS 67202 Elevation 1860 KB 1847 GL  
 Co. Rep / Geo. MIKEAL K. MAUNE Cont. DUKE DRUG CO REG #9 Est. Ft. of Pay      Por.      %  
 Location: Sec. 19 Twp. 32s Rge. 13w Co. BARBER State KANSAS  
 No. of Copies      Distribution Sheet (Y, N)      Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 3891 - 3950 Initial Str Wt./Lbs. 60000 Unseated Str Wt./Lbs. 60000  
 Anchor Length 59 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 65000  
 Top Packer Depth 3886 Tool Weight 2100  
 Bottom Packer Depth 3891 Hole Size 7 7/8" YES Rubber Size 6 3/4" YES  
 Total Depth 3950 Wt. Pipe Run 0 Drill Collar Run 247  
 Mud Wt. 9.1 LCM 4# Vis. 48 WL 9.6 Drill Pipe Size 4 1/2" XH Ft. Run 3629  
 Blow Description IF: WEAK BLOW @ 1/4", slowly dying to a surface blow.  
ISI: BLEDOFF, NO BLOWBACK.  
FF: NO BLOW.  
FSI: NO BLOW.

Recovery - Total Feet 40 GIP NO Ft. in DC 40 Ft. in DP 0  
 Rec. 40 Feet of Dily Mud %gas      %oil      %water 100 %mud       
 Rec.      Feet of      %gas      %oil      %water      %mud       
 BHT 113 °F Gravity NC °API D @      °F Corrected Gravity      °API  
 RW NC @      °F Chlorides      ppm Recovery      Chlorides 4000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		1893 PSI	6667	950 ★
(B) First Initial Flow Pressure		27 PSI	3872	★
(C) First Final Flow Pressure		37 PSI	6074	200 ★
(D) Initial Shut-In Pressure		1129 PSI	3947	50 ★
(E) Second Initial Flow Pressure		37 PSI		NC ★
(F) Second Final Flow Pressure		40 PSI		
(G) Final Shut-In Pressure		928 PSI		
(Q) Final Hydrostatic Mud		1801 PSI		

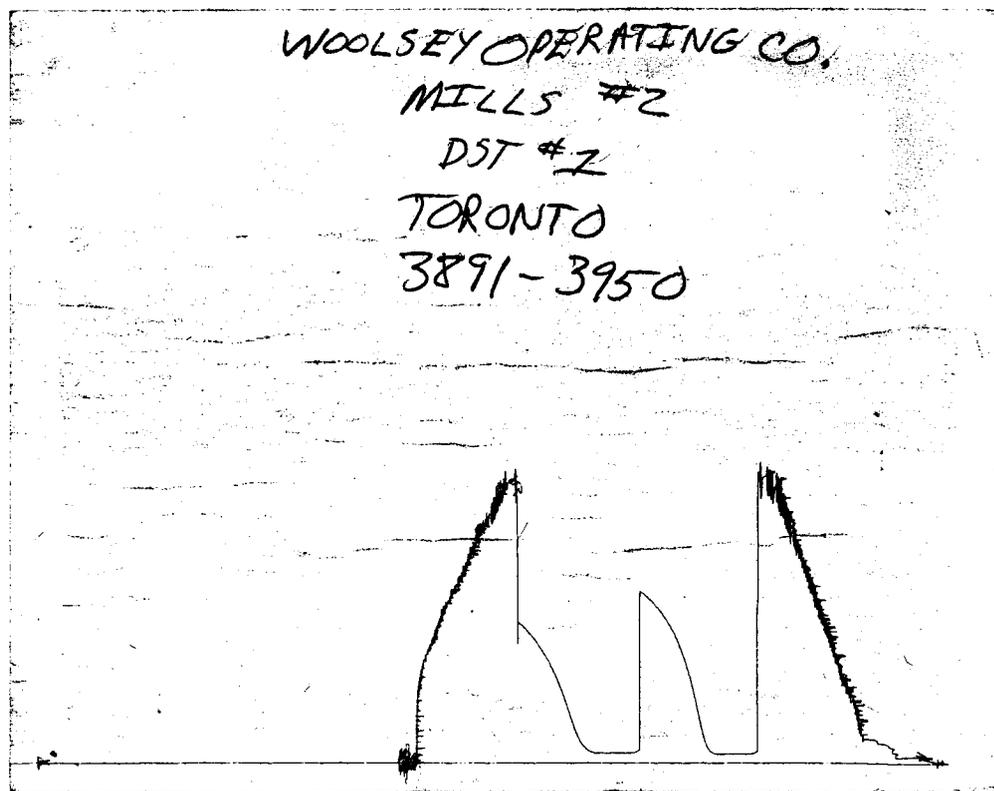
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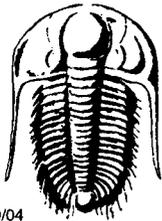
Approved By Michael K. Maune  
 Our Representative Paul W. Anderson

Recorder No.	6667	Test	950 ★
(depth)	3872	Elec. Rec.	★
Recorder No.	6074	Jars	200 ★
(depth)	3947	Safety Jt.	50 ★
Recorder No.		Circ Sub	NC ★
(depth)		Sampler	
Initial Opening	30	Straddle	
Initial Shut-In	60	Ext. Packer	
Final Flow	30	Shale Packer	
Final Shut-In	60	Mileage	90
T-On Location	10:45	Sub Total:	1290
T-Started	11:46	Std. By	134 132.50
T-Open	14:09	Other	
T-Pulled	17:11	Total:	1342.50
T-Out	20:30		

**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21417

9/04

## Test Ticket

Well Name & No. Mills # 2 Test No. 2 Date 5-06-05  
 Company Woolsey Oper. Co. LLC Zone Tested Marmaton  
 Address 125 N. Market Ste. 1000 Wichita, KS 67202 Elevation 1860 KB 1847 GL  
 Co. Rep / Geo. Mike Maune Cont. Duke Drily #9 Est. Ft. of Pay — Por. — %  
 Location: Sec. 19 Twp. 32s Rge. 13w Co. Barber State KS  
 No. of Copies 5 Distribution Sheet (Y, N) — Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 4476 - 4520 Initial Str Wt./Lbs. 68,000 Unseated Str Wt./Lbs. 68,000  
 Anchor Length 44' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 75,000  
 Top Packer Depth 4471 Tool Weight 2100  
 Bottom Packer Depth 4476 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 4520 Wt. Pipe Run 4- Drill Collar Run 308  
 Mud Wt. 8.7 LCM — Vis. 48 WL 10.4 Drill Pipe Size 4 1/2" XH Ft. Run 4167

Blow Description IF: Fair to Strong blow. BOB 4min 45 sec.  
ISI: Bled off. No blow back.  
FF: Fair to Strong blow. BOB 1min.  
FSI: Bled off. No blow back.

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>65</u>	<u>Yes</u>	<u>65</u>	<u>0</u>
Rec. <u>35</u>	Feet of <u>G &amp; 1/2 SOC M</u>	<u>07</u> %gas	<u>8</u> %oil
Rec. <u>30</u>	Feet of <u>G &amp; 1/2 SOC M</u>	<u>60</u> %gas	<u>30</u> %oil
Rec. <u>0</u>	Feet of <u>1200' GIP</u>	%gas	%oil
Rec. <u>—</u>	Feet of <u>—</u>	%gas	%oil
Rec. <u>—</u>	Feet of <u>—</u>	%gas	%oil
BHT <u>122</u>	°F Gravity	°API D @	°F Corrected Gravity
RW <u>—</u>	@ <u>—</u> °F	Chlorides <u>6000</u> ppm	Recovery Chlorides <u>6000</u> ppm System

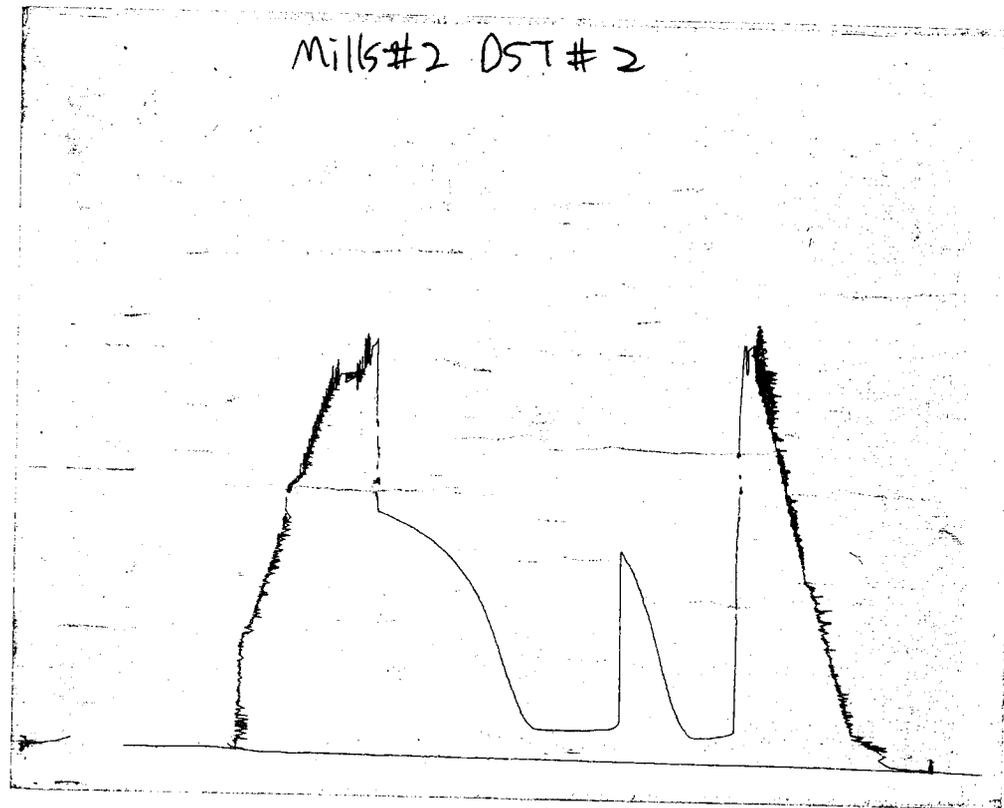
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2149</u> PSI	<u>6753</u>	<u>1050</u>	
(B) First Initial Flow Pressure	<u>47</u> PSI	(depth) <u>4477</u>	Jars <u>200</u>	
(C) First Final Flow Pressure	<u>60</u> PSI	Recorder No. <u>13400</u>	Safety Jt. <u>50</u>	
(D) Initial Shut-In Pressure	<u>1100</u> PSI	(depth) <u>4517</u>	Circ Sub <u>NC</u>	
(E) Second Initial Flow Pressure	<u>68</u> PSI	Recorder No. <u>—</u>	Sampler <u>—</u>	
(F) Second Final Flow Pressure	<u>101</u> PSI	(depth) <u>—</u>	Straddle <u>—</u>	
(G) Final Shut-In Pressure	<u>1260</u> PSI	Initial Opening <u>30</u>	Ext. Packer <u>—</u>	
(Q) Final Hydrostatic Mud	<u>2043</u> PSI	Initial Shut-In <u>60</u>	Shale Packer <u>—</u>	
		Final Flow <u>60</u>	Ruined Packer <u>—</u>	
		Final Shut-In <u>120</u>	Mileage <u>90 total 90</u>	
		T-On Location <u>20:30</u>	Sub Total: <u>1390</u>	
		T-Started <u>21:21</u>	Std. By <u>2hr 60</u>	
		T-Open <u>23:52</u>	Other <u>—</u>	
		T-Pulled <u>04:25</u>	Total: <u>1450</u>	
		T-Out <u>07:24</u>		

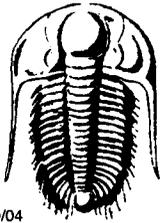
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Approved By Michael K. Maune  
 Our Representative Dawn Clune

**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21418

9/04

## Test Ticket

Well Name & No. Mills # 2 Test No. 3 Date 5-07-05  
 Company Woolsey Oper. Co. LLC Zone Tested Altamont  
 Address 125 N. Market Ste. 100 Wichita, KS 67202 Elevation 1860 KB 1847 GL  
 Co. Rep / Geo. Mike Maune Cont. Duke Drly. # 9 Est. Ft. of Pay — Por. — %  
 Location: Sec. 19 Twp. 32s Rge. Bw Co. Barber State KS  
 No. of Copies 5 Distribution Sheet (Y, N) — Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 4522 - 4550 Initial Str Wt./Lbs. 65000 Unseated Str Wt./Lbs. 65000  
 Anchor Length 28 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 85000  
 Top Packer Depth 4517 Tool Weight 2100  
 Bottom Packer Depth 4522 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 4522 Wt. Pipe Run — Drill Collar Run 308  
 Mud Wt. 8.8 LCM — Vis. 50 WL 4.6 Drill Pipe Size 4 1/2" XH Ft. Run 4199  
 Blow Description IF: Very weak surface blow, 1/4 inch in water  
ISI: No blow  
FF: Very weak surface blow, 1/4 inch in water.  
FSI: No blow.

Recovery - Total Feet 15 GIP NO Ft. in DC 15 Ft. in DP 0  
 Rec. 15 Feet of SI 6CM / w-oil specs %gas — %oil — %water 100 %mud —  
 Rec. — Feet of — %gas — %oil — %water — %mud —  
 Rec. — Feet of — %gas — %oil — %water — %mud —  
 Rec. — Feet of — %gas — %oil — %water — %mud —  
 Rec. — Feet of — %gas — %oil — %water — %mud —  
 BHT 119 °F Gravity — °API D @ — °F Corrected Gravity — °API  
 RW — @ — °F Chlorides — ppm Recovery — Chlorides 5000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		2162 PSI	6753	✓ 1000
(B) First Initial Flow Pressure		26 PSI	(depth) 4523	Jars ✓ 200
(C) First Final Flow Pressure		34 PSI	Recorder No. 13400	Safety Jt. ✓ 50
(D) Initial Shut-In Pressure		67 PSI	(depth) 4547	Circ Sub ✓ NC
(E) Second Initial Flow Pressure		34 PSI	Recorder No. —	Sampler —
(F) Second Final Flow Pressure		37 PSI	(depth) —	Straddle —
(G) Final Shut-In Pressure		53 PSI	Initial Opening 30	Ext. Packer —
(Q) Final Hydrostatic Mud		2062 PSI	Initial Shut-In 60	Shale Packer —
			Final Flow 30	Ruined Packer —
			Final Shut-In 60	Mileage ✓ 90 total 90
			T-On Location 18:15	Sub Total: 1390
			T-Started 18:26	Std. By —
			T-Open 21:12	Other —
			T-Pulled 00:15	Total: —
			T-Out 02:53	

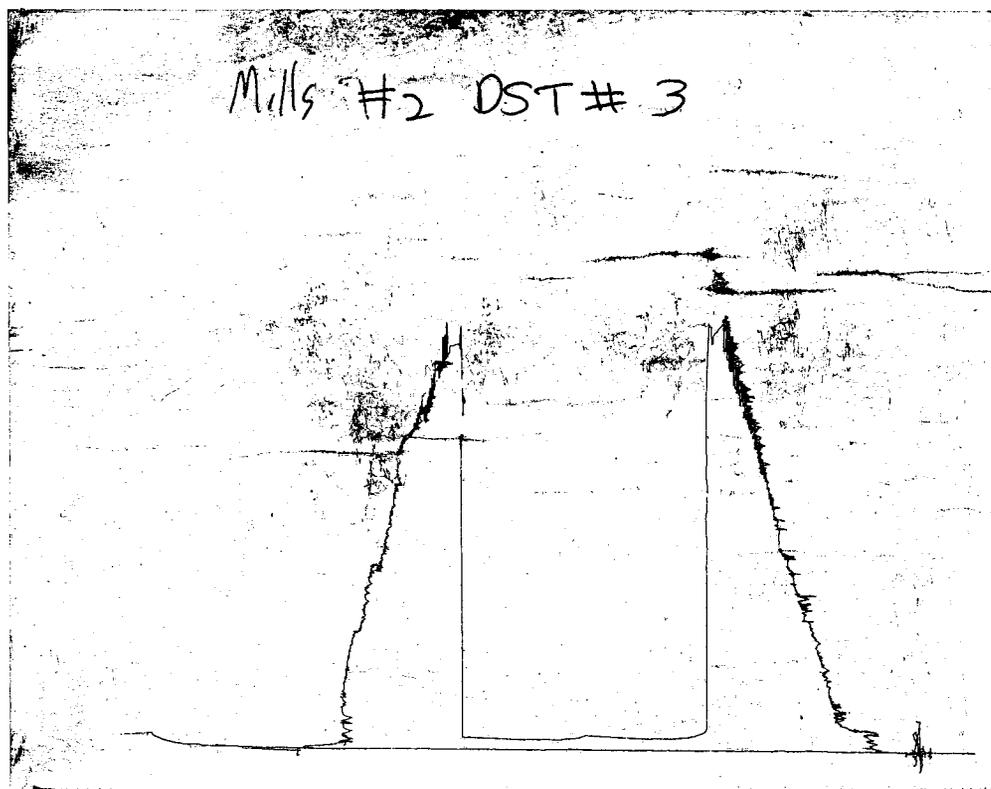
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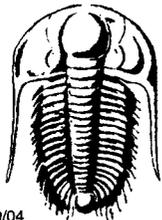
Approved By [Signature]

Our Representative [Signature]

**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21419

9/04

## Test Ticket

Well Name & No. Mills #2 Test No. 84 Date 5-08-05  
 Company Woolsey Oper Co, LLC Zone Tested Miss.  
 Address D5 N. Market Ste. 1000 Wichita, KS 67202 Elevation 1860 KB 1847 GL  
 Co. Rep / Geo. Mike Maune Cont. Duke Drly. #9 Est. Ft. of Pay      Por.      %  
 Location: Sec. 19 Twp. 32s Rge. 13w Co. Barber State KS  
 No. of Copies 5 Distribution Sheet (Y, N)      Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 4552 - 4590 Initial Str Wt./Lbs. 65000 Unseated Str Wt./Lbs. 65000  
 Anchor Length 38' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 80,000  
 Top Packer Depth 4547 Tool Weight 2100  
 Bottom Packer Depth 4552 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 4590 Wt. Pipe Run      Drill Collar Run 308  
 Mud Wt. 8.9 LCM      Vis. 49 WL 11.8 Drill Pipe Size 4 1/2" XH Ft. Run 4231

Blow Description IF: Fair blow, BOB 14 min.  
ISI: Bled off, No blow back.  
FF: Fair blow, BOB 14 min.  
FSI: Bled off, No blow back.

Recovery - Total Feet 60' GIP NO Ft. in DC 60' Ft. in DP       
 Rec. 60' Feet of GCM w/oil specs %gas 0 %oil      %water 100 %mud       
 Rec.      Feet of      %gas      %oil      %water      %mud       
 BHT 121 °F Gravity      °API D @      °F Corrected Gravity      °API  
 RW      @      °F Chlorides      ppm Recovery      Chlorides 10,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		2201 PSI	6753	✓
(B) First Initial Flow Pressure		25 PSI	4553	✓
(C) First Final Flow Pressure		52 PSI	13400	✓
(D) Initial Shut-In Pressure		208 PSI	4587	✓ NC
(E) Second Initial Flow Pressure		54 PSI		
(F) Second Final Flow Pressure		79 PSI		
(G) Final Shut-In Pressure		211 PSI		
(Q) Final Hydrostatic Mud		2090 PSI		

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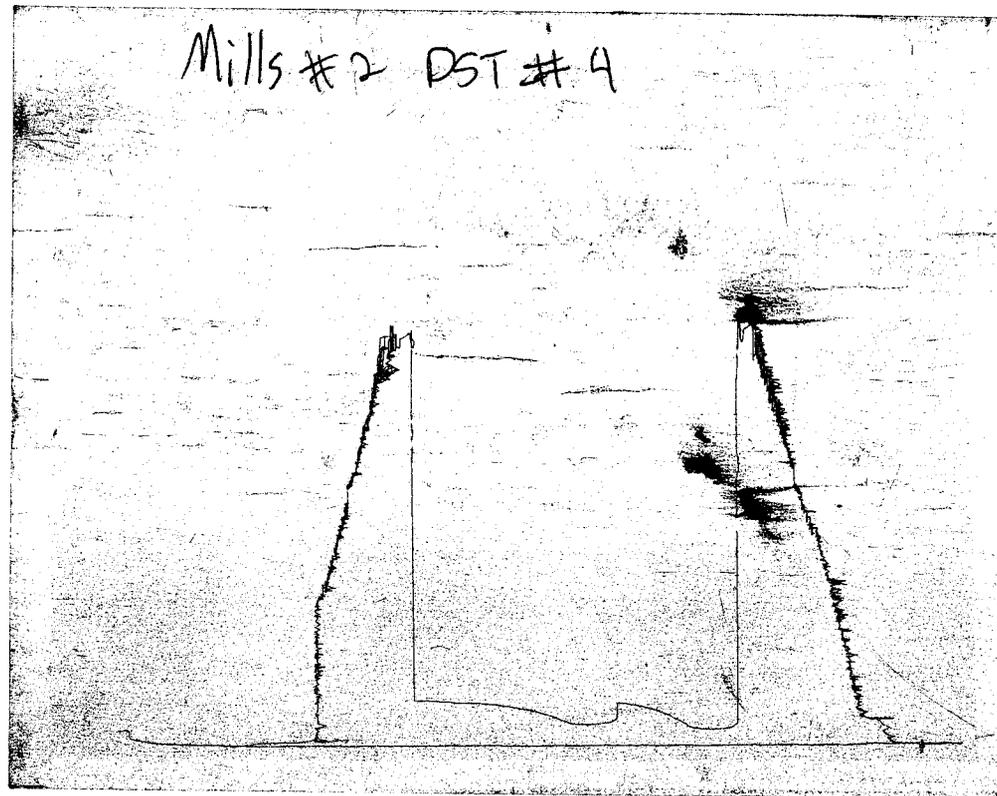
Approved By Mike Maune  
 Our Representative Dawn Plume

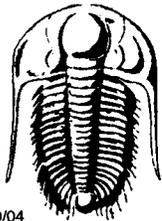
	Value
Initial Opening	30
Initial Shut-In	60
Final Flow	30
Final Shut-In	120
T-On Location	13:30
T-Started	13:32
T-Open	15:52
T-Pulled	09:55
T-Out	23:09

Mileage ✓ 90 total  
 Sub Total: 1390  
 Std. By 12 15  
 Other       
 Total: \$1405

### CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21420

9/04

## Test Ticket

Well Name & No. Mills #2 Test No. 5 Date 5-09-05  
 Company Woolsey Oper. Co. LLC Zone Tested Miss.  
 Address 125 N. Market St. 1000 Wichita, KS 67202 Elevation 1860 KB 1847 GL  
 Co. Rep / Geo. Mike Maune Cont. Duke Drly. #9 Est. Ft. of Pay — Por. — %  
 Location: Sec. 19 Twp. 32s Rge. 13w Co. Barber State KS  
 No. of Copies 5 Distribution Sheet (Y, N) — Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 4591 - 4610 Initial Str Wt./Lbs. 66,000 Unseated Str Wt./Lbs. 67,000  
 Anchor Length 19' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 85,000  
 Top Packer Depth 4586 Tool Weight 2100  
 Bottom Packer Depth 4591 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 4610 Wt. Pipe Run — Drill Collar Run 308  
 Mud Wt. 8.8 LCM — Vis. 44 WL 13.8 Drill Pipe Size 4 1/2" XH Ft. Run 4263

Blow Description IF: Fair to Strong blow. BOB 11 min 30 sec.  
ISI: Bled off. No blow back  
EF: Fair blow. BOB 50 min.  
FST: Bled off. No blow back

Recovery - Total Feet 220 GIP Trace Ft. in DC 220 Ft. in DP 0  
 Rec. 40 Feet of GCM %gas %oil 10 %water 90 %mud  
 Rec. 90 Feet of G + MCW %gas %oil 70 %water 30 %mud  
 Rec. 90 Feet of G + MCW %gas %oil 90 %water 10 %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 BHT 124 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW .24 ohms @ 85 °F Chlorides 22,000 ppm Recovery \_\_\_\_\_ Chlorides 13000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2215</u> PSI	<u>6753</u>	<input checked="" type="checkbox"/>
(B) First Initial Flow Pressure		<u>22</u> PSI	(depth) <u>4592</u>	Jars <input checked="" type="checkbox"/>
(C) First Final Flow Pressure		<u>69</u> PSI	Recorder No. <u>13400</u>	Safety Jt. <input checked="" type="checkbox"/>
(D) Initial Shut-In Pressure		<u>235</u> PSI	(depth) <u>4607</u>	Circ Sub <input checked="" type="checkbox"/> <u>NC</u>
(E) Second Initial Flow Pressure		<u>74</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>124</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>235</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>2103</u> PSI	Initial Shut-In <u>60</u>	Shale Packer _____
			Final Flow <u>60</u>	Ruined Packer _____
			Final Shut-In <u>120</u>	Mileage <input checked="" type="checkbox"/> <u>90 total</u>
			T-On Location <u>07:45</u>	Sub Total: <u>1390</u>
			T-Started <u>08:05</u>	Std. By <u>234</u> <u>82.50</u>
			T-Open <u>11:54</u>	Other _____
			T-Pulled <u>16:25</u>	Total: <u>\$1472.50</u>
			T-Out <u>19:34</u>	

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Approved By Mike Maune

Our Representative

**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.

