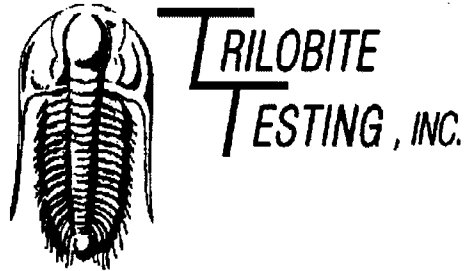


15-051-25353

34-11s-19w



## DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating Co**

P O Box 9395  
Bend OR 97708

ATTN: Sid Tomlinson

**34-11-19-Ellis-Ks**

**Rossie Morgan # 1**

Start Date: 2004.11.07 @ 16:35:49

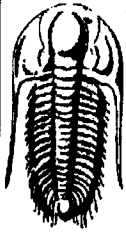
End Date: 2004.11.08 @ 23:00:19

Job Ticket #: 20857                      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

Tomlinson Operating Co

**Rossie Morgan # 1**

P O Box 9395  
Bend OR 97708

**34-11-19-Ellis-Ks**

Job Ticket: 20857

DST#: 1

ATTN: Sid Tomlinson

Test Start: 2004.11.07 @ 16:35:49

## GENERAL INFORMATION:

Formation: **Topeka**  
 Deviated: **No** Whipstock:                      ft (KB)  
 Time Tool Opened: 18:37:19  
 Time Test Ended: 23:00:19

Test Type: Conventional Bottom Hole  
 Tester: Dan Bangle  
 Unit No: 21

Interval: **3150.00 ft (KB) To 3175.00 ft (KB) (TVD)**  
 Total Depth: **3175.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

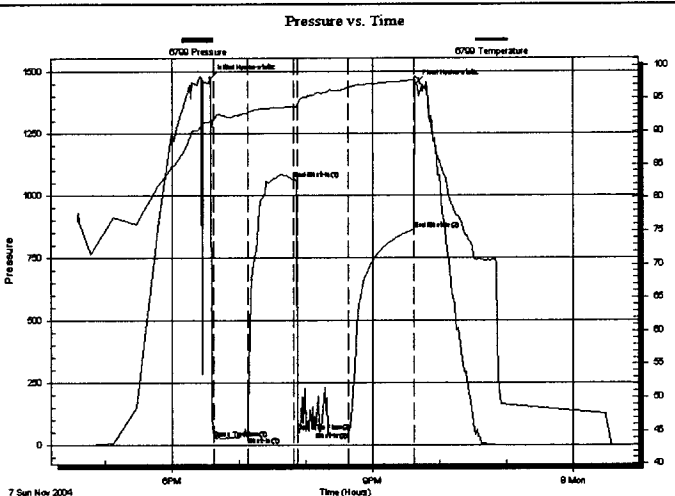
Reference Elevations: **2152.00 ft (KB)**  
**2147.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

**Serial #: 6799**      **Inside**

Press@RunDepth: **51.86 psig @ 3151.00 ft (KB)**  
 Start Date: **2004.11.07**      End Date: **2004.11.08**  
 Start Time: **16:35:50**      End Time: **00:35:19**

Capacity: **7000.00 psig**  
 Last Calib.: **2004.11.07**  
 Time On Btm: **2004.11.07 @ 18:34:49**  
 Time Off Btm: **2004.11.07 @ 21:38:19**

**TEST COMMENT:** Slid tool 10' to bottom  
 F-2" decreasing to 1" in 30 min  
 FF-1 1/2" blow decreasing to 1/2" in 45 min  
 Tool slid t/o test



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1472.69	91.59	Initial Hydro-static
3	27.96	92.10	Open To Flow (1)
33	36.12	92.83	Shut-In(1)
74	1064.54	93.77	End Shut-In(1)
78	53.13	93.97	Open To Flow (2)
123	51.86	96.64	Shut-In(2)
182	861.75	97.85	End Shut-In(2)
184	1447.05	98.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	DM w/oil spots on top	0.98

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Tomlinson Operating Co

**Rossie Morgan # 1**

P O Box 9395  
Bend OR 97708

**34-11-19-Ellis-Ks**

Job Ticket: 20857

DST#: 1

ATTN: Sid Tomlinson

Test Start: 2004.11.07 @ 16:35:49

### Tool Information

Drill Pipe:	Length: 3153.00 ft	Diameter: 3.80 inches	Volume: 44.23 bbl	Tool Weight: 1500.00 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 44.23 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3150.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	46.00 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			3130.00	
Shut In Tool	5.00			3135.00	
Hydraulic tool	5.00			3140.00	
Packer	5.00			3145.00	21.00 Bottom Of Top Packer
Packer	5.00			3150.00	
Stubb	1.00			3151.00	
Recorder	0.00	6799	Inside	3151.00	
Perforations	21.00			3172.00	
Recorder	0.00	13254	Outside	3172.00	
Bullnose	3.00			3175.00	25.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>46.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Tomlinson Operating Co

**Rossie Morgan # 1**

P O Box 9395  
Bend OR 97708

**34-11-19-Ellis-Ks**

Job Ticket: 20857

**DST#: 1**

ATTN: Sid Tomlinson

Test Start: 2004.11.07 @ 16:35:49

**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: 39.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

**Recovery Information**

**Recovery Table**

Length ft	Description	Volume bbl
70.00	DM w /oil spots on top	0.982

Total Length: 70.00 ft      Total Volume: 0.982 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Plugging on 2nd open

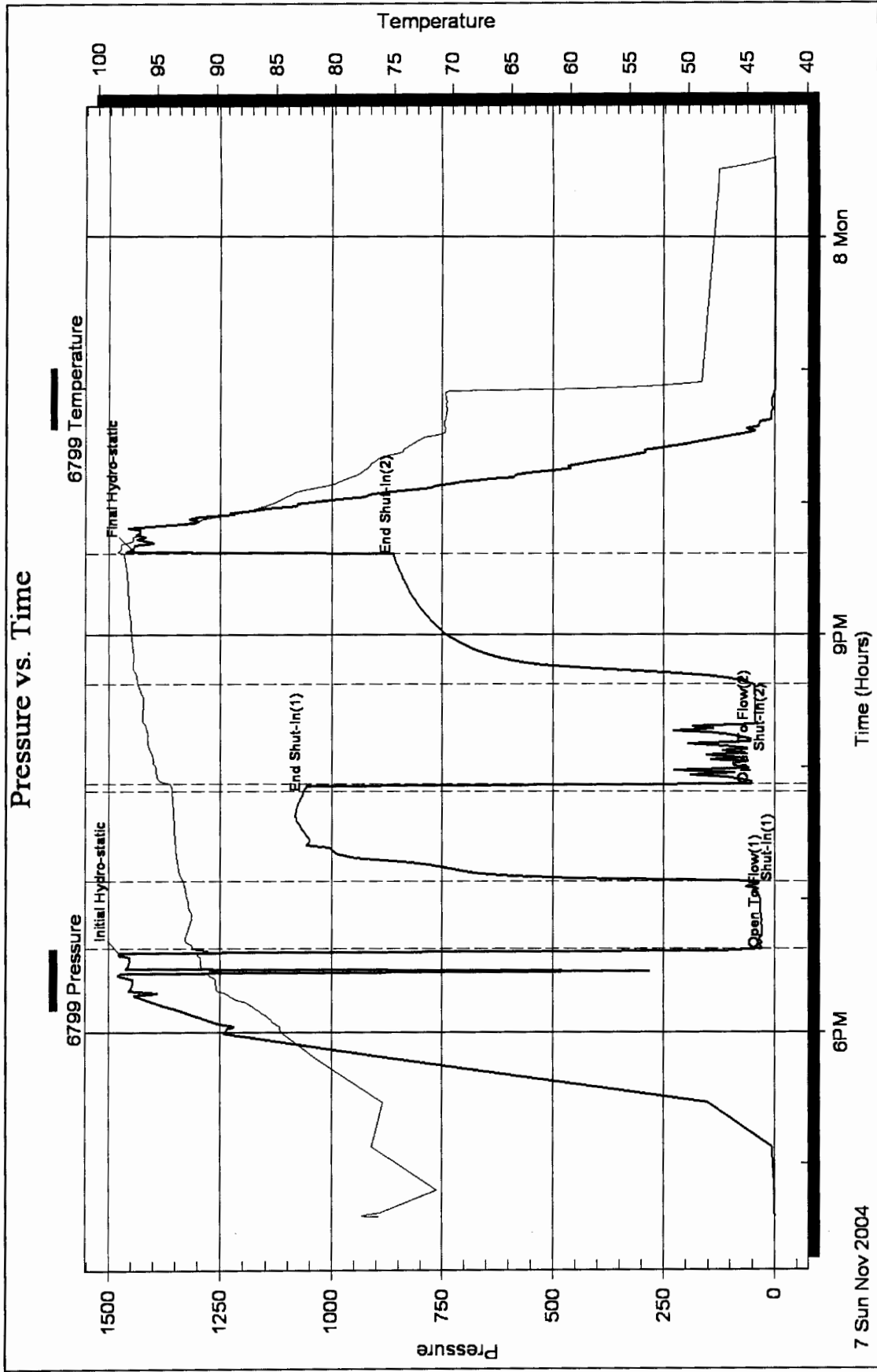
Serial #: 6799

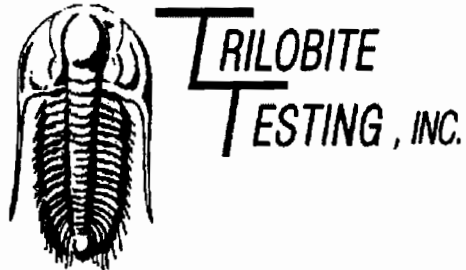
Inside

Tomlinson Operating Co

34-11-19-Ellis-Ks

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating Co**

P O Box 9395  
Bend OR 97708

ATTN: Sid Tomlinson

**34-11-19-Ellis-Ks**

**Rossie Morgan # 1**

Start Date: 2004.11.09 @ 02:55:56

End Date: 2004.11.09 @ 08:07:26

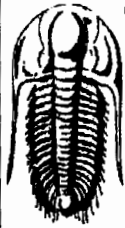
Job Ticket #: 20858                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Tomlinson Operating Co

**Rossie Morgan # 1**

P O Box 9395  
Bend OR 97708

**34-11-19-Ellis-Ks**

Job Ticket: 20858

**DST#: 2**

ATTN: Sid Tomlinson

Test Start: 2004.11.09 @ 02:55:56

**Tool Information**

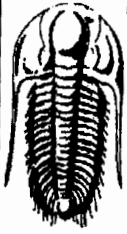
Drill Pipe:	Length: 3403.00 ft	Diameter: 3.80 inches	Volume: 47.74 bbl	Tool Weight: 1300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 47.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3390.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	99.00 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			3370.00	
Shut In Tool	5.00			3375.00	
Hydraulic tool	5.00			3380.00	
Packer	5.00			3385.00	21.00 Bottom Of Top Packer
Packer	5.00			3390.00	
Stubb	1.00			3391.00	
Perforations	1.00			3392.00	
Change Over Sub	1.00			3393.00	
Recorder	0.00	6799	Inside	3393.00	
Drill Pipe	62.00			3455.00	
Change Over Sub	1.00			3456.00	
Recorder	0.00	13254	Outside	3456.00	
Perforations	9.00			3465.00	
Bullnose	3.00			3468.00	78.00 Bottom Packers & Anchor

**Total Tool Length: 99.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Tomlinson Operating Co  
P O Box 9395  
Bend OR 97708  
ATTN: Sid Tomlinson

**Rossie Morgan # 1**  
**34-11-19-Ellis-Ks**  
Job Ticket: 20858      DST#: 2  
Test Start: 2004.11.09 @ 02:55:56

**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: 43.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6800.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
5.00	DMw / oil spots	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

Serial #: 6799

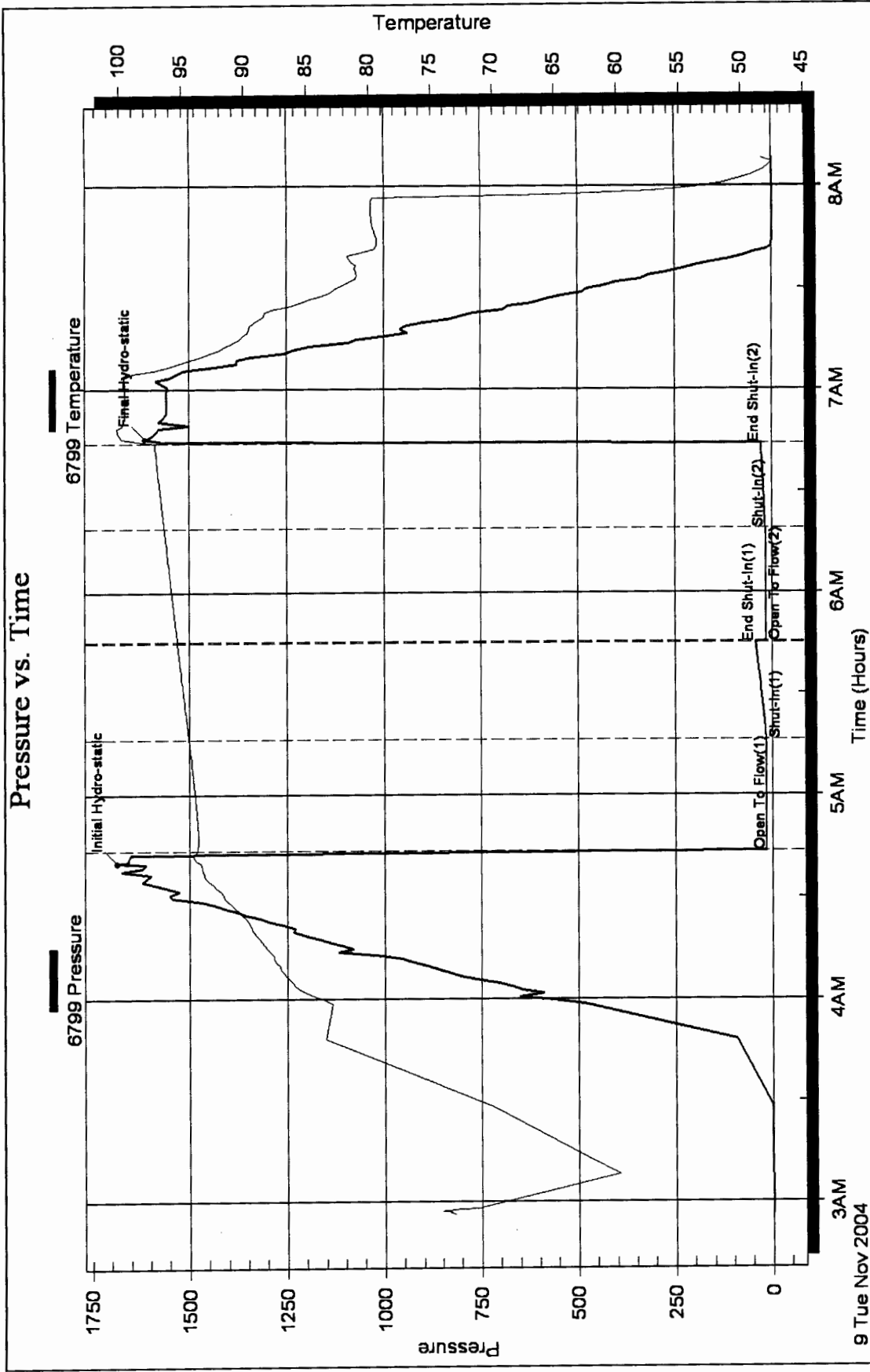
Inside

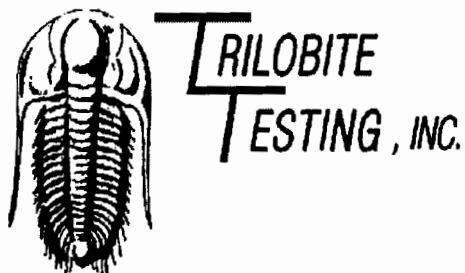
Tortinson Operating Co

34-11-19-Bilis-Ks

DST Test Number: 2

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating Co**

P O Box 9395  
Bend OR 97708

ATTN: Sid Tomlinson

**34-11-19-Ellis-Ks**

**Rossie Morgan # 1**

Start Date: 2004.11.09 @ 16:55:36

End Date: 2004.11.09 @ 22:58:06

Job Ticket #: 20859                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Tomlinson Operating Co  
P O Box 9395  
Bend OR 97708  
ATTN: Sid Tomlinson

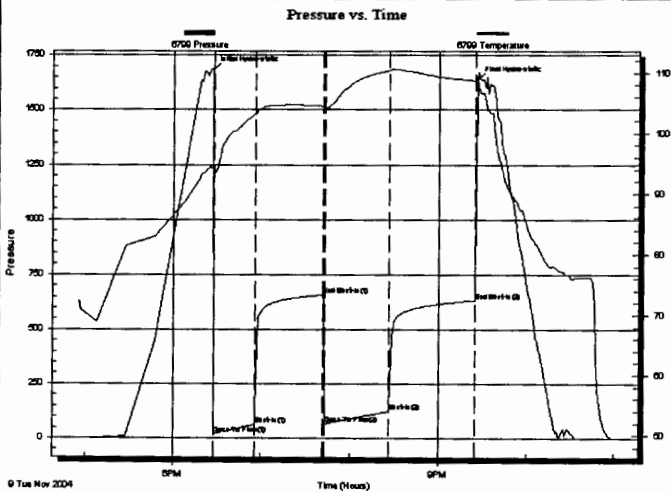
**Rossie Morgan # 1**  
**34-11-19-Ellis-Ks**  
Job Ticket: 20859      DST#: 3  
Test Start: 2004.11.09 @ 16:55:36

## GENERAL INFORMATION:

Formation:      E-F      LK  
Deviated:      No      Whipstock:      ft (KB)  
Time Tool Opened: 18:27:36  
Time Test Ended: 22:58:06  
Interval:      3460.00 ft (KB) To 3490.00 ft (KB) (TVD)  
Total Depth:      3490.00 ft (KB) (TVD)  
Hole Diameter:      7.88 inches  
Hole Condition: Good  
Test Type:      Conventional Bottom Hole  
Tester:      Dan Bangle  
Unit No:      21  
Reference Elevations:      2152.00 ft (KB)  
2147.00 ft (CF)  
KB to GR/CF:      5.00 ft

**Serial #: 6799      Inside**  
Press@RunDepth:      122.07 psig @      3461.00 ft (KB)  
Start Date:      2004.11.09      End Date:      2004.11.09  
Start Time:      16:55:37      End Time:      22:58:06  
Capacity:      7000.00 psig  
Last Calib.:      2004.11.09  
Time On Btrm      2004.11.09 @ 18:27:06  
Time Off Btrm      2004.11.09 @ 21:26:06

**TEST COMMENT:** F-Strong B-B in 21 min  
IS-Weak steady surface blow  
FF-Weak building to 8" fair blow  
FSI-Weak steady surface blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1682.99	94.16	Initial Hydro-static
1	15.97	93.67	Open To Flow (1)
29	61.53	103.16	Shut-In(1)
75	656.56	104.47	End Shut-In(1)
76	64.46	104.12	Open To Flow (2)
119	122.07	110.40	Shut-In(2)
178	632.39	108.73	End Shut-In(2)
179	1637.14	109.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
195.00	Mdy Wtr 80%w 20%r	2.74
40.00	CO	0.56
0.00	135 GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Tomlinson Operating Co

**Rossie Morgan # 1**

P O Box 9395  
Bend OR 97708

**34-11-19-Ellis-Ks**

Job Ticket: 20859

**DST#: 3**

ATTN: Sid Tomlinson

Test Start: 2004.11.09 @ 16:55:36

**Tool Information**

Drill Pipe:	Length: 3466.00 ft	Diameter: 3.80 inches	Volume: 48.62 bbl	Tool Weight: 1900.00 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 48.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3460.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

**Tool Description**

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3440.00	
Shut In Tool	5.00			3445.00	
Hydraulic tool	5.00			3450.00	
Packer	5.00			3455.00	21.00 Bottom Of Top Packer
Packer	5.00			3460.00	
Stubb	1.00			3461.00	
Recorder	0.00	6799	Inside	3461.00	
Perforations	26.00			3487.00	
Recorder	0.00	13254	Outside	3487.00	
Bullnose	3.00			3490.00	30.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>51.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Tomlinson Operating Co

**Rossie Morgan # 1**

P O Box 9395  
Bend OR 97708

**34-11-19-Ellis-Ks**

Job Ticket: 20859

**DST#: 3**

ATTN: Sid Tomlinson

Test Start: 2004.11.09 @ 16:55:36

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

93000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7600.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
195.00	Mbly Wtr 80%w 20%m	2.735
40.00	CO	0.561
0.00	135 GP	0.000

Total Length: 235.00 ft

Total Volume: 3.296 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6799

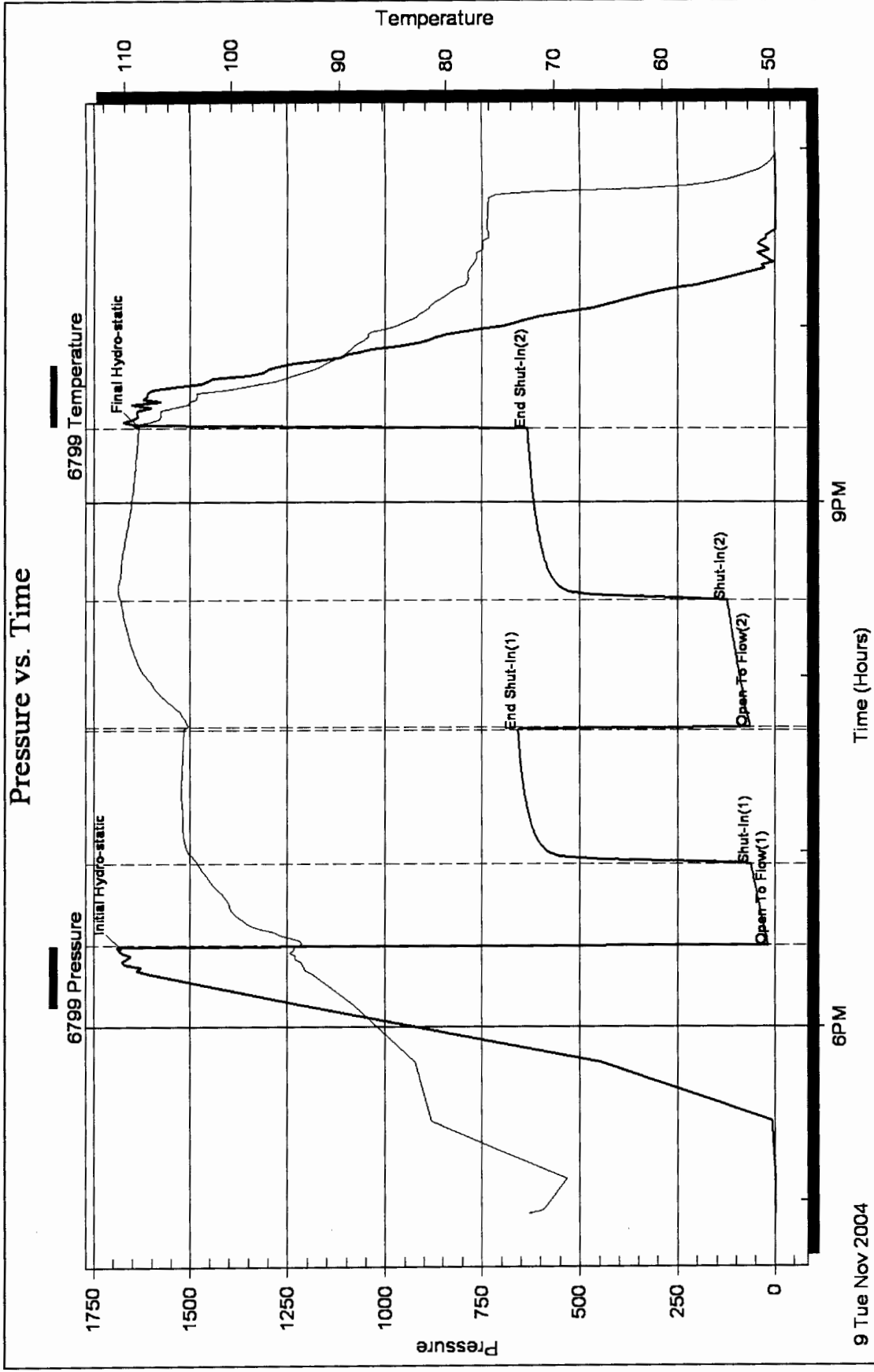
Inside

Tomlinson Operating Co

34-11-19-Elis-Ks

DST Test Number: 3

### Pressure vs. Time

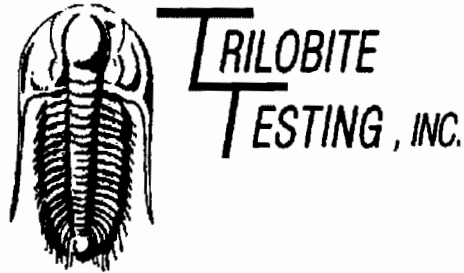


9 Tue Nov 2004

Triobite Testing, Inc

Ref. No: 20859

Printed: 2004.11.12 @ 10:18:02 Page 5



## DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating Co**

P O Box 9395  
Bend OR 97708

ATTN: Sid Tomlinson

**34-11-19-Ellis-Ks**

**Rossie Morgan # 1**

Start Date: 2004.11.11 @ 03:00:39

End Date: 2004.11.11 @ 08:04:39

Job Ticket #: 20860                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Tomlinson Operating Co  
P O Box 9395  
Bend OR 97708  
ATTN: Sid Tomlinson

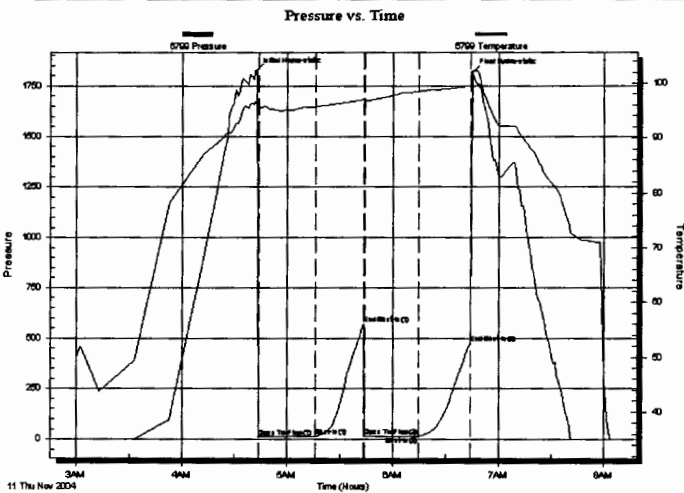
**Rossie Morgan # 1**  
**34-11-19-Ellis-Ks**  
Job Ticket: 20860      DST#: 4  
Test Start: 2004.11.11 @ 03:00:39

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 04:44:09  
Time Test Ended: 08:04:39  
Interval: **3673.00 ft (KB) To 3696.00 ft (KB) (TVD)**  
Total Depth: **3696.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**  
Test Type: **Conventional Bottom Hole**  
Tester: **Dan Bangle**  
Unit No: **21**  
Reference Elevations: **2152.00 ft (KB)**  
**2147.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

**Serial #: 6799**      **Inside**  
Press@RunDepth: **13.78 psig @ 3674.00 ft (KB)**  
Start Date: **2004.11.11**      End Date: **2004.11.11**  
Start Time: **03:00:40**      End Time: **08:04:39**  
Capacity: **7000.00 psig**  
Last Calib.: **2004.11.11**  
Time On Btm: **2004.11.11 @ 04:42:39**  
Time Off Btm: **2004.11.11 @ 06:45:09**

**TEST COMMENT:** IF-Weak died in 10 min  
FF-No blow  
Times-30-30-30-30



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1823.68	96.32	Initial Hydro-static
2	11.82	95.25	Open To Flow (1)
34	13.10	95.72	Shut-In(1)
61	569.05	97.00	End Shut-In(1)
62	13.76	96.87	Open To Flow (2)
92	13.78	98.43	Shut-In(2)
122	476.31	99.54	End Shut-In(2)
123	1815.98	102.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	DMw/show of oil	0.04

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Tomlinson Operating Co

**Rossie Morgan # 1**

P O Box 9395  
Bend OR 97708

**34-11-19-Ellis-Ks**

Job Ticket: 20860

**DST#: 4**

ATTN: Sid Tomlinson

Test Start: 2004.11.11 @ 03:00:39

### Tool Information

Drill Pipe:	Length: 3654.00 ft	Diameter: 3.80 inches	Volume: 51.26 bbl	Tool Weight: 1700.00 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 51.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3673.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	44.00 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			3653.00	
Shut In Tool	5.00			3658.00	
Hydraulic tool	5.00			3663.00	
Packer	5.00			3668.00	21.00 Bottom Of Top Packer
Packer	5.00			3673.00	
Stubb	1.00			3674.00	
Recorder	0.00	6799	Inside	3674.00	
Perforations	19.00			3693.00	
Recorder	0.00	13254	Outside	3693.00	
Bullnose	3.00			3696.00	23.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>44.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Tomlinson Operating Co

**Rossie Morgan # 1**

P O Box 9395  
Bend OR 97708

**34-11-19-Ellis-Ks**

Job Ticket: 20860

**DST#: 4**

ATTN: Sid Tomlinson

Test Start: 2004.11.11 @ 03:00:39

## 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:

bbbl

Water Loss: 10.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	DMw/show of oil	0.042

Total Length: 3.00 ft

Total Volume: 0.042 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

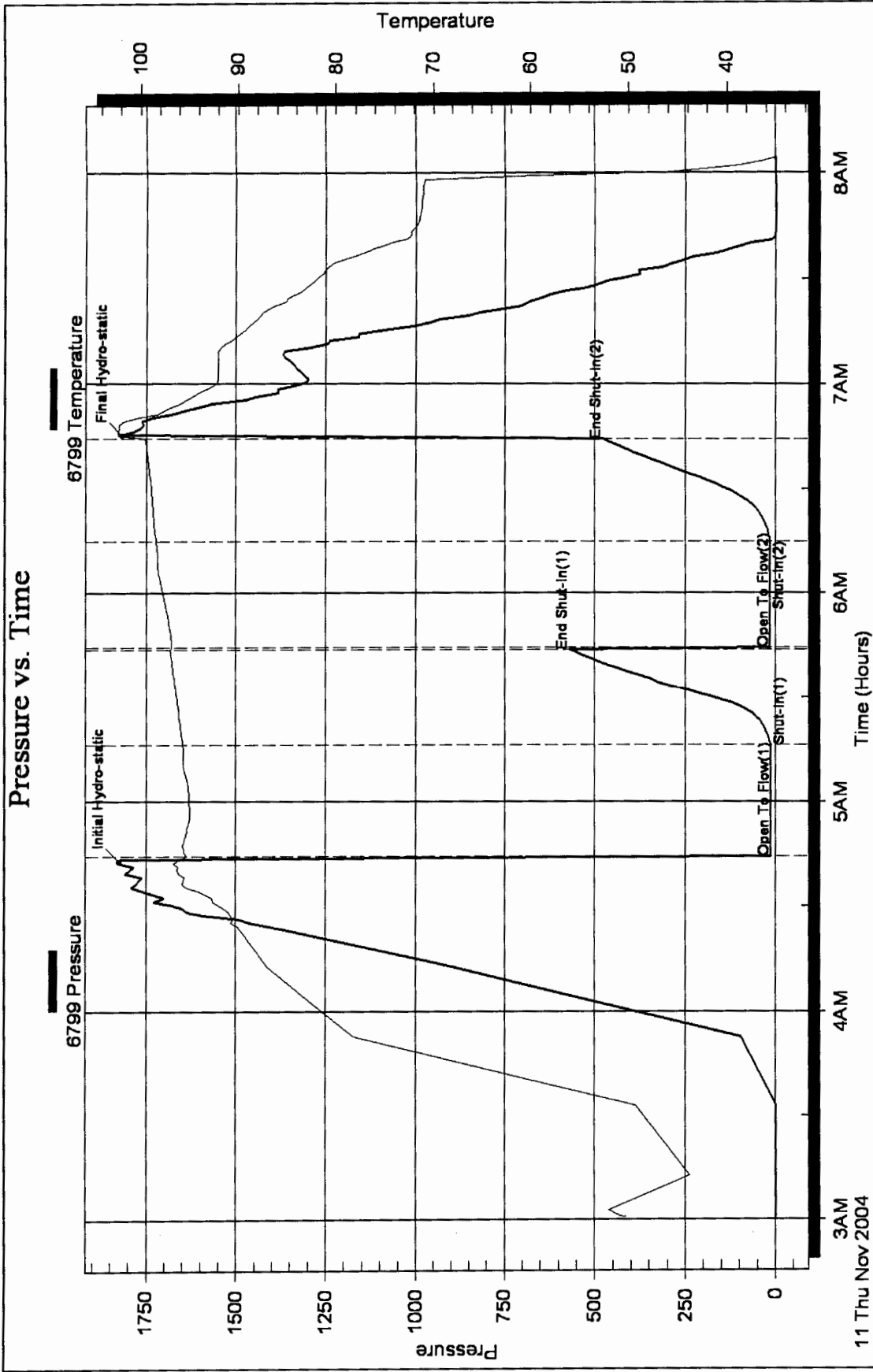
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating Co**

P O Box 9395  
Bend OR 97708

ATTN: Sid Tomlinson

**34-11-19-Ellis-Ks**

**Rossie Morgan # 1**

Start Date: 2004.11.11 @ 15:20:19

End Date: 2004.11.11 @ 20:37:19

Job Ticket #: 20861                      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

Tomlinson Operating Co

**Rossie Morgan # 1**

P O Box 9395  
Bend OR 97708

**34-11-19-Ellis-Ks**

Job Ticket: 20861

DST#: 5

ATTN: Sid Tomlinson

Test Start: 2004.11.11 @ 15:20:19

## GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 17:11:19

Time Test Ended: 20:37:19

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **21**

Interval: **3673.00 ft (KB) To 3707.00 ft (KB) (TVD)**

Reference Elevations: **2152.00 ft (KB)**

Total Depth: **3175.00 ft (KB) (TVD)**

**2147.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **5.00 ft**

**Serial #: 6799**

**Inside**

Press@RunDepth: **17.58 psig @ 3674.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.11.11**

End Date: **2004.11.11**

Last Calib.: **2004.11.11**

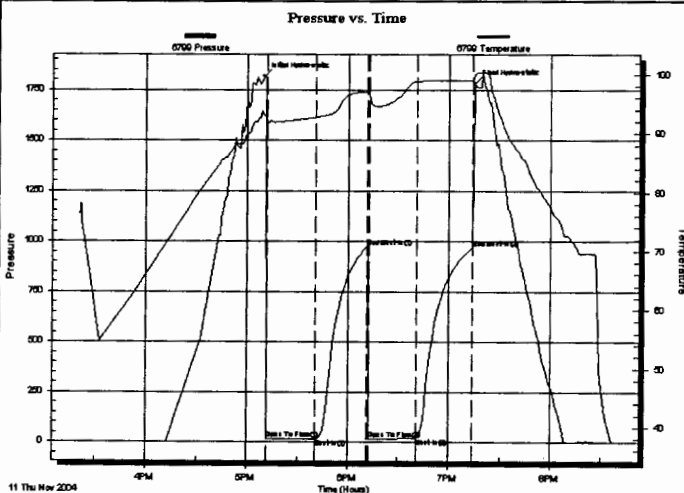
Start Time: **15:20:20**

End Time: **20:37:19**

Time On Btrr: **2004.11.11 @ 17:09:49**

Time Off Btrr: **2004.11.11 @ 19:14:49**

TEST COMMENT: **F-Weak died in 10 min  
FF-No blow  
Times-30-30-30-30**



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1816.71	93.14	Initial Hydro-static
2	13.10	92.18	Open To Flow (1)
31	14.93	92.75	Shut-in(1)
62	973.87	96.99	End Shut-in(1)
63	16.19	96.43	Open To Flow (2)
91	17.58	98.82	Shut-in(2)
124	966.81	99.08	End Shut-in(2)
125	1782.59	100.00	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	DMw/show of oil	0.14

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Tomlinson Operating Co

**Rossie Morgan # 1**

P O Box 9395  
Bend OR 97708

**34-11-19-Ellis-Ks**

Job Ticket: 20861

**DST#: 5**

ATTN: Sid Tomlinson

Test Start: 2004.11.11 @ 15:20:19

**Tool Information**

Drill Pipe:	Length: 3684.00 ft	Diameter: 3.80 inches	Volume: 51.68 bbl	Tool Weight: 1800.00 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 51.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3673.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

**Tool Description**

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3653.00	
Shut In Tool	5.00			3658.00	
Hydraulic tool	5.00			3663.00	
Packer	5.00			3668.00	21.00 Bottom Of Top Packer
Packer	5.00			3673.00	
Stubb	1.00			3674.00	
Recorder	0.00	6799	Inside	3674.00	
Perforations	30.00			3704.00	
Recorder	0.00	13254	Outside	3704.00	
Bullnose	3.00			3707.00	34.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>55.00</b>				



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Tomlinson Operating Co

**Rossie Morgan # 1**

P O Box 9395  
Bend OR 97708

**34-11-19-Ellis-Ks**

Job Ticket: 20861

**DST#: 5**

ATTN: Sid Tomlinson

Test Start: 2004.11.11 @ 15:20:19

### 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:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	DM w / show of oil	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

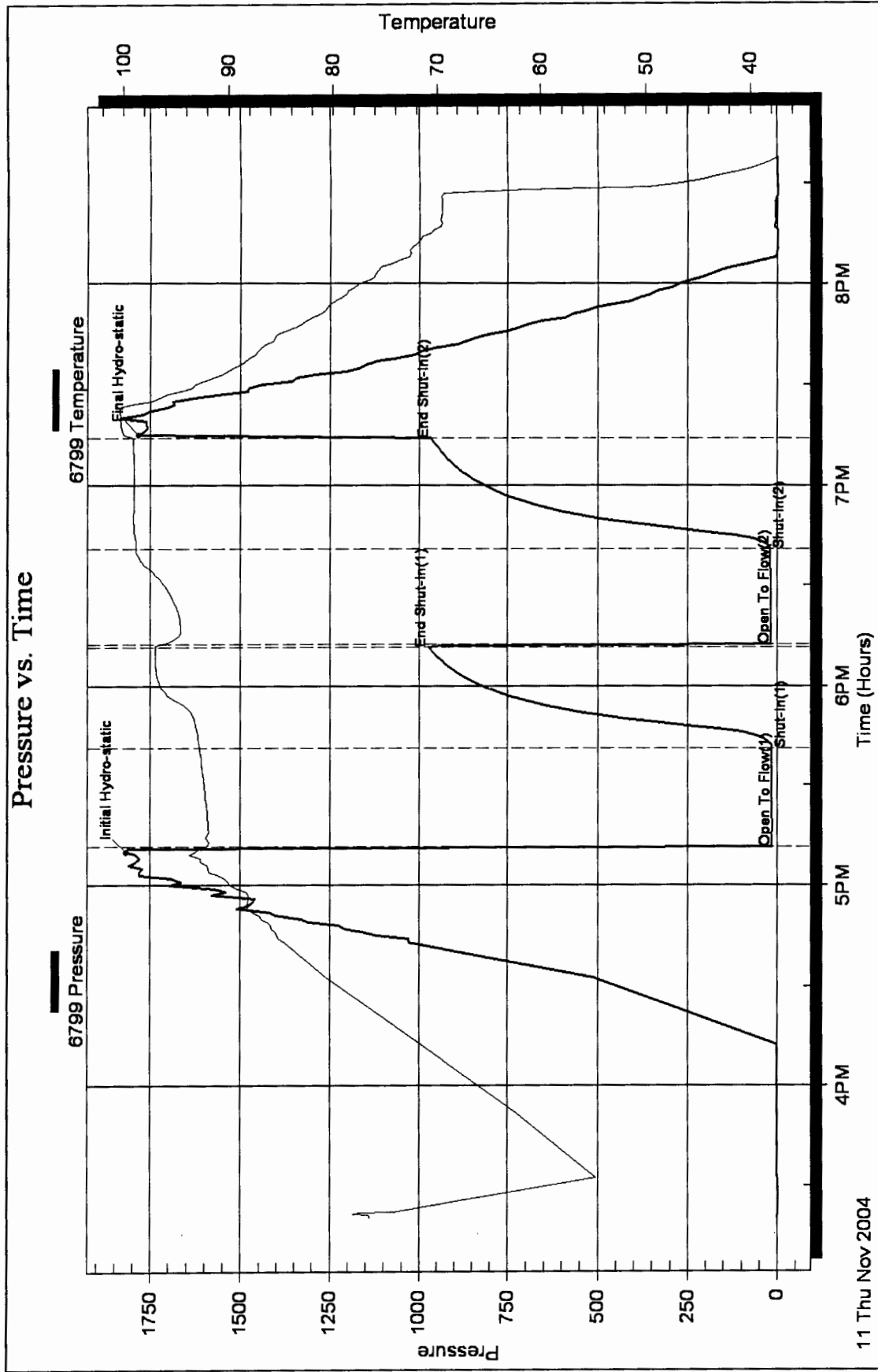
Serial #: 6799

Inside

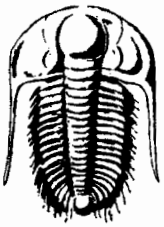
Tomlinson Operating Co

34-11-19-Ellis-Ks

DST Test Number: 5



11 Thu Nov 2004



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 6939

No 20857

05/03

## Test Ticket

Well Name & No. Rossie Morgan #1 Test No. 1 Date 11-7-04  
 Company Temlinson Operating Co. Zone Tested Topeka  
 Address P.O. Box 9395, Bend, Or. 97708 Elevation 2152 KB 2147 GL  
 Co. Rep / Geo. Bob O'Dell Cont. L.D. Dalg. Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 34 Twp. 11 Rge. 19 Co. Ellis State Ks  
 No. of Copies \_\_\_\_\_ Disbtribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

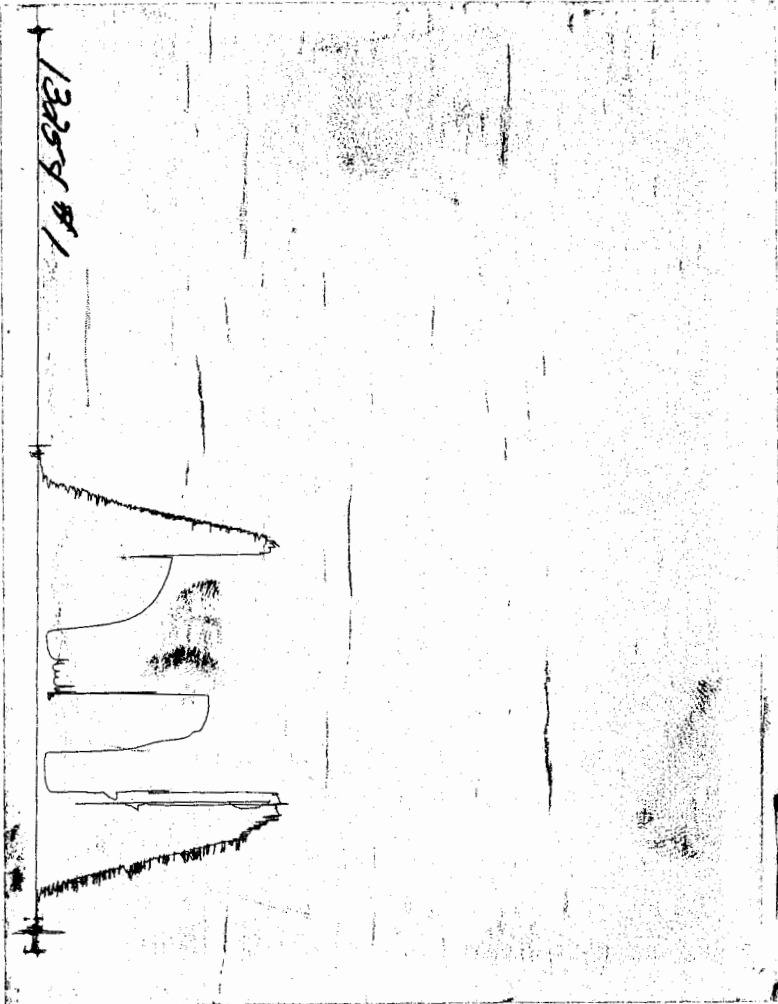
Interval Tested 3150 — 3175 Initial Str Wt./Lbs. 40,000 Unseated Str Wt/Lbs. 40,000  
 Anchor Length 25 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 70,000  
 Top Packer Depth 3145 Tool Weight 1500  
 Bottom Packer Depth 3150 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 3175 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run \_\_\_\_\_  
 Mud Wt. 8.8 LCM \_\_\_\_\_ Vis. 39 WL 8.8 Drill Pipe Size 4.5XH Ft. Run 3153  
 Blow Description Slid tool 10' to bottom  
IF Weak 2" blow decreasing to 1" in 30 min.  
E.F. Weak 1 1/2" blow decreasing to 1/2" in 45 min  
Tool Slid to test Plugging during test  
 Recovery - Total Feet 70 GIP \_\_\_\_\_ Ft. in DC \_\_\_\_\_ Ft. in DP 70  
 Rec. 70 Feet of Mud w/ oil spots %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of on top %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 97 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 4800 ppm System

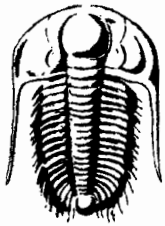
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1472</u> PSI	<u>6799</u>	
(B) First Initial Flow Pressure		<u>27</u> PSI	(depth) <u>3151</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure		<u>36</u> PSI	Recorder No. <u>13254</u>	Jars _____
(D) Initial Shut-In Pressure		<u>1064</u> PSI	(depth) <u>3172</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>53</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>51</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>861</u> PSI	<b>Initial Opening</b> <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1447</u> PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
			Final Flow <u>45</u>	Shale Packer _____
			Final Shut-In <u>60</u>	Mileage <u>40</u>
			<b>T-On Location</b> <u>16:00</u>	Sub Total: <u>940</u>
			T-Started <u>16:35</u>	Std. By _____
			T-Open <u>18:35</u>	Other _____
			T-Pulled <u>21:35</u>	Total: _____
			T-Out <u>23:00</u>	

TRILLOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Bob O'Dell  
 Our Representative Dan Bangle

**CHART PAGE**  
This is a photocopy of the actual AK-1 recorder chart





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20858

05/03

## Test Ticket

Well Name & No. Rossie Morgan #1 Test No. 2 Date 11-9-04  
 Company Tomlinson Operating Co. Zone Tested A-D LKC  
 Address \_\_\_\_\_ Elevation 2152 KB 2147 GL \_\_\_\_\_  
 Co. Rep / Geo. Bob O'Dell Cont. L.D. Drfg. Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 34 Twp. 11 Rge. 19 Co. Ellis State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 3390 — 3468 Initial Str Wt./Lbs. 42,000 Unseated Str Wt/Lbs. 42,000  
 Anchor Length 78 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 45,000  
 Top Packer Depth 3385 Tool Weight 1300  
 Bottom Packer Depth 3390 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 3468 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run \_\_\_\_\_  
 Mud Wt. 8.9 LCM \_\_\_\_\_ Vis. 43 WL 8.8 Drill Pipe Size 4.5XH Ft. Run 3403  
 Blow Description Hit bridge 3190  
I.F. Weak - Dried in 5 min.

F.F. No blow

Recovery - Total Feet 5 GIP \_\_\_\_\_ Ft. in DC \_\_\_\_\_ Ft. in DP 5  
 Rec. 5 Feet of D.M w/ oil spots %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 \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 97 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 6800 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1684</u>	PSI	<u>6799</u>	_____
(B) First Initial Flow Pressure	<u>14</u>	PSI	(depth) <u>3393</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>14</u>	PSI	Recorder No. <u>13254</u>	Jars _____
(D) Initial Shut-In Pressure	<u>42</u>	PSI	(depth) <u>3456</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>15</u>	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>15</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>26</u>	PSI	<b>Initial Opening</b> <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1612</u>	PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <u>40</u>
			<b>T-On Location</b> <u>02:30</u>	Sub Total: <u>940</u>
			T-Started <u>02:55</u>	Std. By _____
			T-Open <u>04:45</u>	Other _____
			T-Pulled <u>06:45</u>	Total: _____
			T-Out <u>08:07</u>	

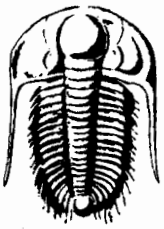
Approved By Bob O'Dell  
 Our Representative Dan Bangle

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

**CHART PAGE**

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20859

05/03

## Test Ticket

Well Name & No. Rossie Morgan #1 Test No. 3 Date 11-9-04  
 Company Tomlinson Operating Co. Zone Tested E-F LKC  
 Address \_\_\_\_\_ Elevation 2152 KB 2147 GL  
 Co. Rep / Geo. Bob O'Dell Cont. L.D. Dalg. Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 34 Twp. 11 Rge. 19 Co. Ellis State Ks  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 3460 — 3490 Initial Str Wt./Lbs. 42000 Unseated Str Wt./Lbs. 43,000  
 Anchor Length 30' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 70,000  
 Top Packer Depth \_\_\_\_\_ 3455 Tool Weight 1900  
 Bottom Packer Depth \_\_\_\_\_ 3460 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth \_\_\_\_\_ 3490 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run \_\_\_\_\_  
 Mud Wt. 9 LCM \_\_\_\_\_ Vis. 47 WL 8.4 Drill Pipe Size 4.5 XH Ft. Run 3466  
 Blow Description I.F. Strong - B-B in 21 min.  
ISI - Weak steady surface blow.  
F.F. Weak building to 8" fair blow  
FSI Weak steady surface blow.  
 Recovery - Total Feet 235 GIP 135 Ft. in DC \_\_\_\_\_ Ft. in DP 235  
 Rec. 40 Feet of CO %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. 195 Feet of mdy WTR %gas \_\_\_\_\_ %oil 80 %water 20 %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 108 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity 34 °API  
 RW 123 @ 80 °F Chlorides 93000 ppm Recovery \_\_\_\_\_ Chlorides 7600 ppm System

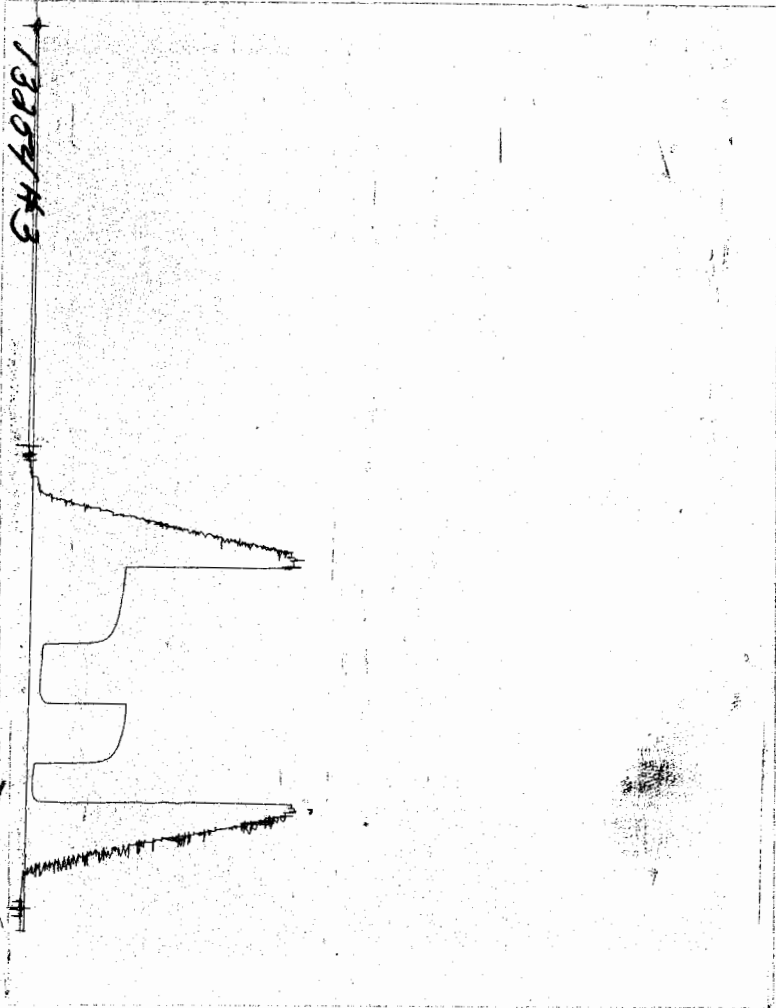
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1682</u> PSI	<u>6799</u>	
(B) First Initial Flow Pressure		<u>15</u> PSI	(depth) <u>3461</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure		<u>61</u> PSI	Recorder No. <u>13254</u>	Jars _____
(D) Initial Shut-In Pressure		<u>656</u> PSI	(depth) <u>3487</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>64</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>122</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>632</u> PSI	<b>Initial Opening</b> <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1637</u> PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
			Final Flow <u>45</u>	Shale Packer _____
			Final Shut-In <u>60</u>	Mileage <u>40</u>
			<b>T-On Location</b> <u>16:00</u>	Sub Total: <u>940</u>
			T-Started <u>16:55</u>	Std. By <u>[Signature]</u>
			T-Open <u>18:25</u>	Other _____
			T-Pulled <u>21:25</u>	Total: _____
			T-Out <u>22:58</u>	

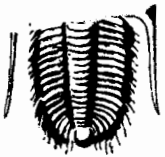
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

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 20860

05/03

## Test Ticket

Well Name & No. Rossie Morgan #1 Test No. 4 Date 11-11-04  
 Company Tomlinson Operating Co. Zone Tested Arbuckle  
 Address \_\_\_\_\_ Elevation 2152 KB 2147 GL \_\_\_\_\_  
 Co. Rep / Geo. Bob O'Dell Cont. L.D. Drlg. Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 34 Twp. 11 Rge. 19 Co. Ellis State Ks  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 3673 ————— 3696 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000  
 Anchor Length 23 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 45,000  
 Top Packer Depth 3668 Tool Weight 1200  
 Bottom Packer Depth 3673 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 3696 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run \_\_\_\_\_  
 Mud Wt. 9 LCM \_\_\_\_\_ Vis. 50 WL 10.2 Drill Pipe Size 4.5 XH Ft. Run 3654  
 Blow Description I.F. Weak. Died in 10 min.

E.F. No blow

Recovery - Total Feet 3 GIP \_\_\_\_\_ Ft. in DC \_\_\_\_\_ Ft. in DP 3  
 Rec. 3 Feet of mud w/skew oil %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 \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 99 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 7500 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1823</u>	PSI	<u>6799</u>	
(B) First Initial Flow Pressure	<u>11</u>	PSI	(depth) <u>3674</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>13</u>	PSI	Recorder No. <u>13254</u>	Jars _____
(D) Initial Shut-In Pressure	<u>569</u>	PSI	(depth) <u>3693</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>13</u>	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>13</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>476</u>	PSI	<b>Initial Opening</b> <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1815</u>	PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <u>40</u>

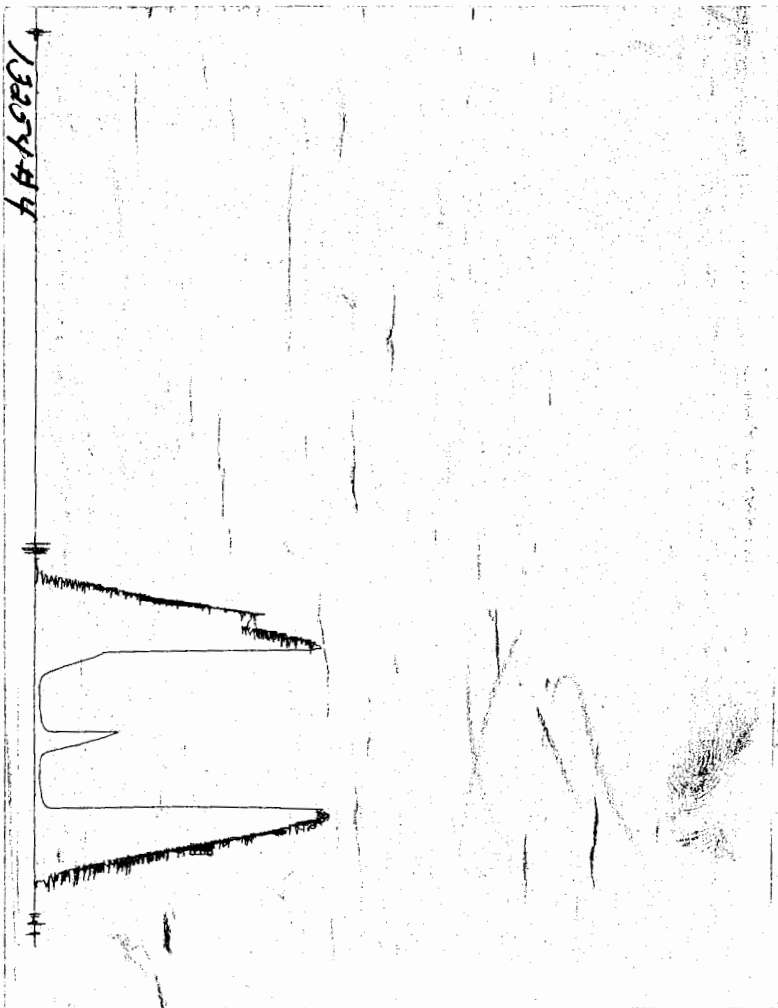
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

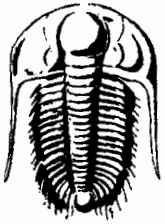
Approved By Bob O'Dell  
 Our Representative Dan Rungler

T-On Location	T-Started	T-Open	T-Pulled	T-Out
<u>03:00</u>	<u>03:00</u>	<u>04:40</u>	<u>06:40</u>	<u>08:04</u>

Sub Total: 940  
 Std. By \_\_\_\_\_  
 Other \_\_\_\_\_  
 Total: \_\_\_\_\_

**CHART PAGE**  
This is a photocopy of the actual AK-1 recorder chart





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20861

05/03

## Test Ticket

Well Name & No. Rossie Morgan #1 Test No. 5 Date 11-11-04  
 Company Tomlinson Operating Co Zone Tested Arbuckle  
 Address \_\_\_\_\_ Elevation 2152 KB 2147 GL  
 Co. Rep / Geo. Bob O'Dell Cont. L.D. Drlg. Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 34 Twp. 11 Rge. 19 Co. Ellis State Ks  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 3673 ——— 3707 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000  
 Anchor Length 34 Wt. Set Lbs. 22,000 Wt. Pulled Loose/Lbs. 45,000  
 Top Packer Depth 3668 Tool Weight 1800  
 Bottom Packer Depth 3673 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 3707 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run \_\_\_\_\_  
 Mud Wt. 9 LCM \_\_\_\_\_ Vis. 49 WL 9.6 Drill Pipe Size 4.5 X H Ft. Run 3684  
 Blow Description I.F. Weak. Died in 10 min.

F.F. No blow

Recovery - Total Feet 10 GIP \_\_\_\_\_ Ft. in DC \_\_\_\_\_ Ft. in DP 10  
 Rec. 10 Feet of DM w/show or %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  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 BHT 99 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 6200 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1816</u> PSI	<u>6799</u>	
(B) First Initial Flow Pressure		<u>13</u> PSI	(depth) <u>3674</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure		<u>14</u> PSI	Recorder No. <u>13254</u>	Jars _____
(D) Initial Shut-In Pressure		<u>973</u> PSI	(depth) <u>3704</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>16</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>17</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>966</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1782</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <u>40</u>
			T-On Location <u>13:10</u>	Sub Total: <u>940</u>
			T-Started <u>13:20</u>	Std. By _____
			T-Open <u>15:12</u>	Other _____
			T-Pulled <u>17:12</u>	Total: _____
			T-Out <u>20:37</u>	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Bob O'Dell  
 Our Representative Dan Rangle

**CHART PAGE**  
This is a photocopy of the actual AK-1 recorder chart

