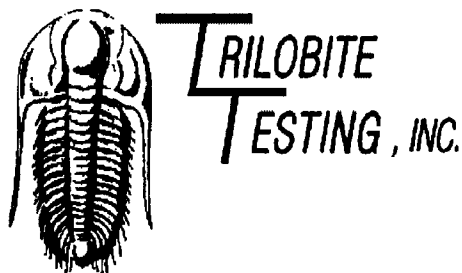


15-007-22805

31-33s-13w

Range is 13,
not 12 as
printed.



DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating,co.LLC**

125 N.Market suite 1000
Wichita,Kansas.67202

ATTN: Wes Hansen

¹³
31-33S-12W

Baier#3

Start Date: 2004.03.09 @ 11:32:30

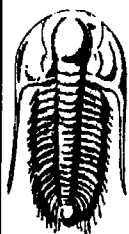
End Date: 2004.03.09 @ 18:33:30

Job Ticket #: 18642 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.LLC

125 N.Market suite 1000
Wichita,Kansas.67202

ATTN: Wes Hansen

Baier#3

31-33S-12W

Job Ticket: 18642

DST#: 1

Test Start: 2004.03.09 @ 11:32:30

GENERAL INFORMATION:

Formation: **Elgin**

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

Time Tool Opened: 13:19:45

Time Test Ended: 18:33:30

Test Type: **Conventional Bottom Hole**

Tester: **Darren L.Amerine**

Unit No:

Interval: **3888.00 ft (KB) To 3970.00 ft (KB) (TVD)**

Total Depth: **3970.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1902.00 ft (KB)**

1889.00 ft (CF)

KB to GR/CF: **13.00 ft**

Serial #: 6625

Inside

Press@RunDepth: **23.33 psig @ 3890.00 ft (KB)**

Start Date: **2004.03.09**

End Date:

2004.03.09

Capacity: **7000.00 psig**

Last Calib.: **2004.03.09**

Start Time: **11:32:35**

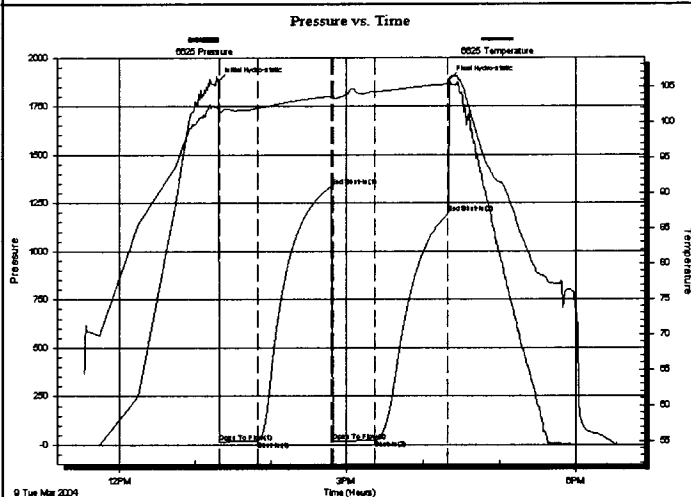
End Time:

18:33:29

Time On Btm: **2004.03.09 @ 13:18:45**

Time Off Btm: **2004.03.09 @ 16:20:30**

TEST COMMENT: IF:Weak surface blow built to 1/4" in H2O bucket
ISIBled down n for 3 mins.no blow back.
FF:Dead blow.
FSI:No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1879.57	101.90	Initial Hydro-static
1	16.41	101.51	Open To Flow (1)
31	19.15	101.99	Shut-In(1)
90	1334.52	103.63	End Shut-In(1)
91	21.46	103.37	Open To Flow (2)
124	23.33	104.24	Shut-In(2)
181	1197.74	105.34	End Shut-In(2)
182	1883.17	106.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling mud	0.21

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating,co.LLC

Baier#3

125 N.Market suite 1000
Wichita,Kansas.67202

31-33S-12W

Job Ticket: 18642

DST#: 1

ATTN: Wes Hansen

Test Start: 2004.03.09 @ 11:32:30

Tool Information

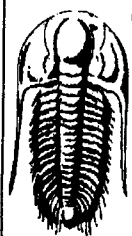
Drill Pipe:	Length: 3885.00 ft	Diameter: 3.80 inches	Volume: 54.50 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
		Total Volume: 54.50 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3888.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	111.00 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			3860.00	
Shut In Tool	5.00			3865.00	
Hydraulic tool	5.00			3870.00	
Jars	5.00			3875.00	
Safety Joint	3.00			3878.00	
Packer	5.00			3883.00	29.00 Bottom Of Top Packer
Packer	5.00			3888.00	
Stubb	2.00			3890.00	
Recorder	0.00	6625	Inside	3890.00	
Anchor	14.00			3904.00	
Blank Spacing	63.00			3967.00	
Recorder	0.00	10991	Outside	3967.00	
Bullnose	3.00			3970.00	82.00 Bottom Packers & Anchor

Total Tool Length: 111.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating,co.LLC

Baier#3

125 N.Market suite 1000
Wichita,Kansas.67202

31-33S-12W

Job Ticket: 18642

DST#: 1

ATTN: Wes Hansen

Test Start: 2004.03.09 @ 11:32:30

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: 40.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.77 in³

Gas Cushion Type:

Resistivity: 1.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drilling mud	0.210

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

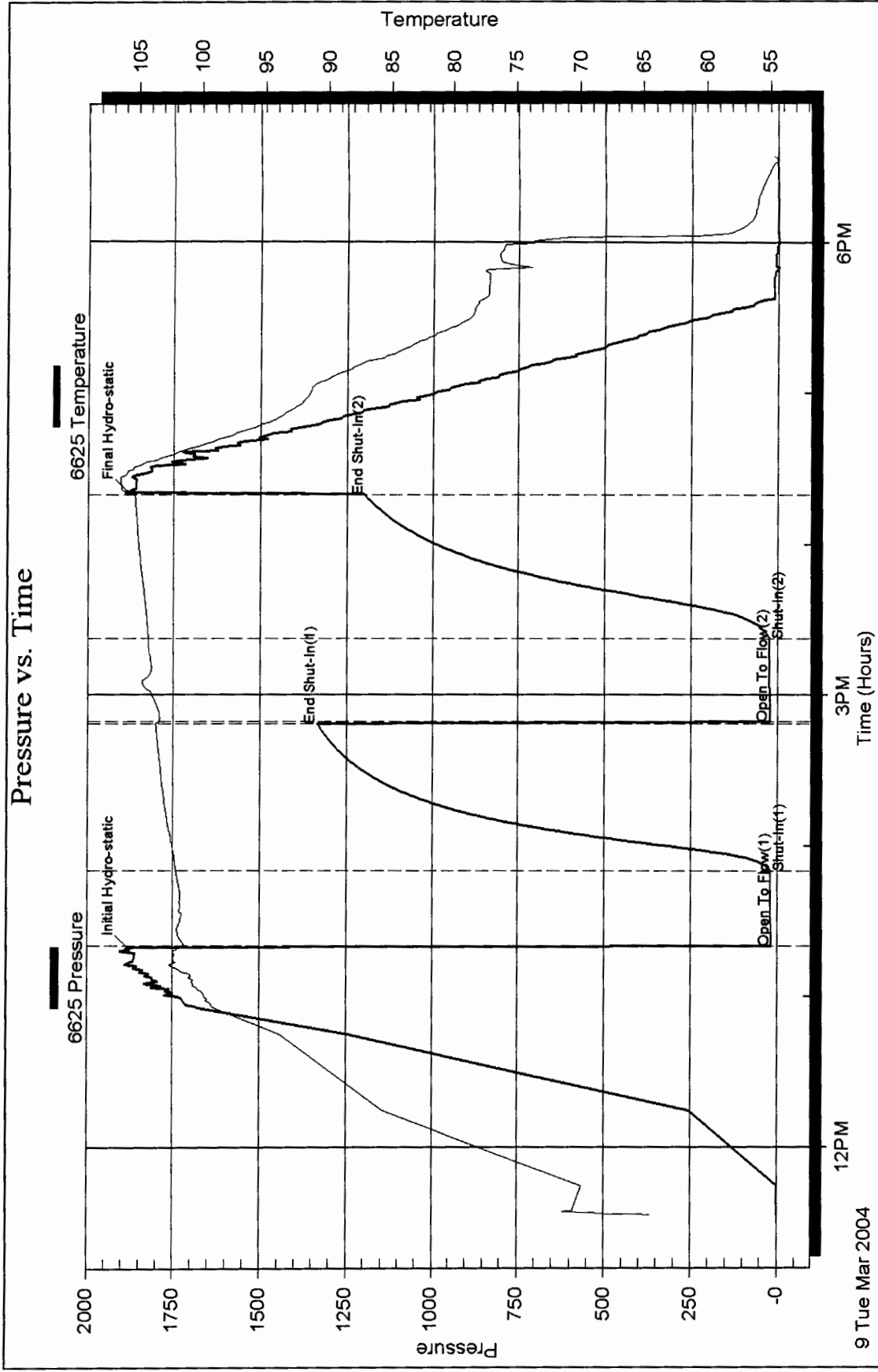
Serial #: 6625

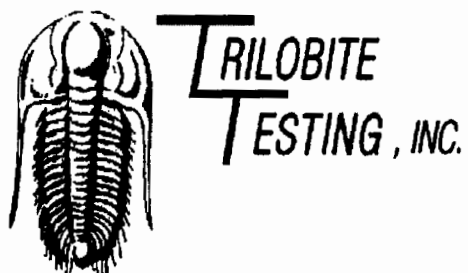
Inside

Woodsey Operating,co.LLC

31-33S-12W

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating,co.LLC**

125 N.Market suite 1000
Wichita,Kansas.67202

ATTN: Wes Hansen

31-33S-12W

Baier#3

Start Date: 2004.03.12 @ 17:40:44

End Date: 2004.03.13 @ 04:59:14

Job Ticket #: 18643 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

Woolsey Operating,co.LLC

125 N.Market suite 1000
Wichita,Kansas.67202

ATTN: Wes Hansen

Baier#3

31-33S-12W

Job Ticket: 18643

DST#: 2

Test Start: 2004.03.12 @ 17:40:44

GENERAL INFORMATION:

Formation: **Mississippian**

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

Time Tool Opened: 20:16:14

Time Test Ended: 04:59:14

Test Type: **Conventional Bottom Hole**

Tester: **Darren L.Amerine**

Unit No: **19**

Interval: **4842.00 ft (KB) To 4906.00 ft (KB) (TVD)**

Total Depth: **4906.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1902.00 ft (KB)**

1889.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6625

Inside

Press@RunDepth: **39.11 psig @ 4844.00 ft (KB)**

Start Date: **2004.03.12**

End Date:

2004.03.13

Capacity: **7000.00 psig**

Last Calib.: **2004.03.13**

Start Time: **17:40:49**

End Time:

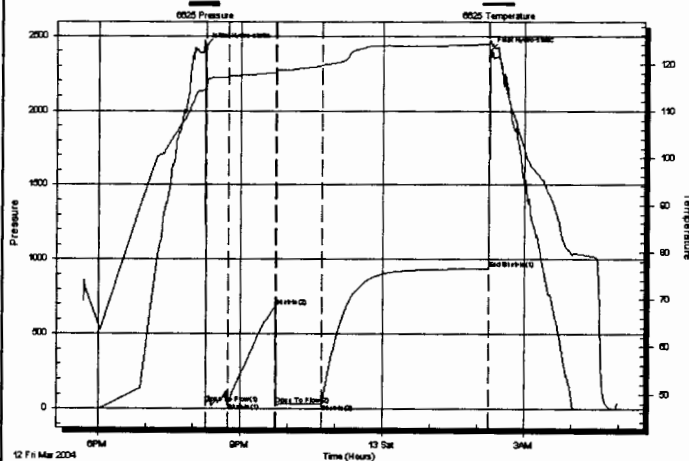
04:59:14

Time On Btm: **2004.03.12 @ 20:15:14**

Time Off Btm: **2004.03.13 @ 02:15:29**

TEST COMMENT: IF:Fair blow b.o.b in 11 mins.
IS:Bled down n for 5 mins.no blow back.
FF:Strong blow b.o.b in 30 sec.
FS:Bled down n for 15 mins.no blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2430.25	114.65	Initial Hydro-static
1	33.93	115.31	Open To Flow (1)
30	39.11	117.39	Shut-In(1)
90	683.51	118.22	Shut-In(2)
91	27.41	118.50	Open To Flow (2)
149	33.51	119.77	Shut-In(3)
360	938.95	124.23	End Shut-In(1)
361	2399.80	125.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1100' of gip	0.00
50.00	SGCM 4% gas 96% mud	0.70

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating,co.LLC

Baier#3

125 N.Market suite 1000
Wichita,Kansas.67202

31-33S-12W

Job Ticket: 18643

DST#: 2

ATTN: Wes Hansen

Test Start: 2004.03.12 @ 17:40:44

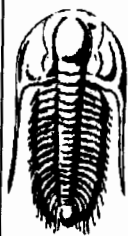
Tool Information

Drill Pipe:	Length: 4831.00 ft	Diameter: 3.80 inches	Volume: 67.77 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			Total Volume: 67.77 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4842.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	93.00 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			4814.00	
Shut In Tool	5.00			4819.00	
Hydraulic tool	5.00			4824.00	
Jars	5.00			4829.00	
Safety Joint	3.00			4832.00	
Packer	5.00			4837.00	29.00 Bottom Of Top Packer
Packer	5.00			4842.00	
Stubb	2.00			4844.00	
Recorder	0.00	6625	Inside	4844.00	
Anchor	27.00			4871.00	
Recorder	0.00	10991	Outside	4871.00	
Blank Spacing	32.00			4903.00	
Bullnose	3.00			4906.00	64.00 Bottom Packers & Anchor

Total Tool Length: 93.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating,co.LLC

Baier#3

125 N.Market suite 1000
Wichita,Kansas.67202

31-33S-12W

Job Ticket: 18643

DST#:2

ATTN: Wes Hansen

Test Start: 2004.03.12 @ 17:40:44

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: 7.18 in³

Gas Cushion Type:

Resistivity: 1.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1100'of gip	0.000
50.00	SGCM 4%gas 96%mud	0.701

Total Length: 50.00 ft

Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

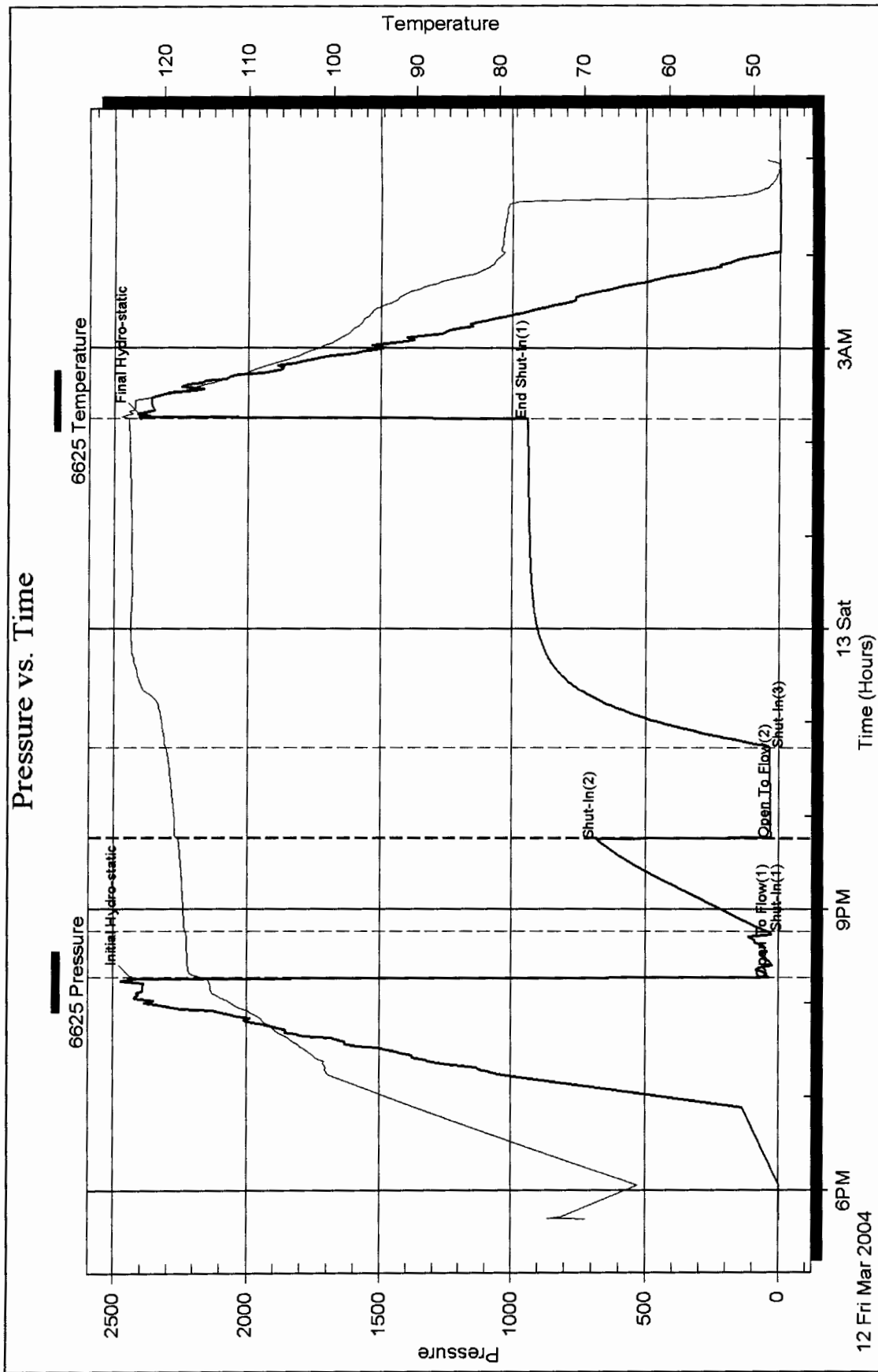
Serial #: 6625

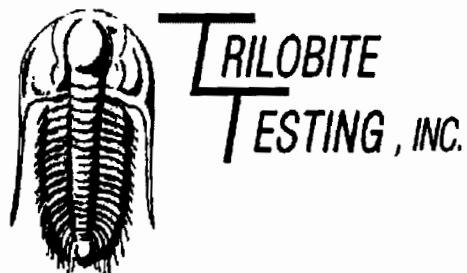
Inside

Woolsey Operating,co.LLC

31-33S-12W

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating,co.LLC**

125 N.Market suite 1000
Wichita,Kansas.67202

ATTN: Wes Hansen

31-33S-12W

Baier#3

Start Date: 2004.03.13 @ 21:24:26

End Date: 2004.03.14 @ 06:14:11

Job Ticket #: 18644 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

Woolsey Operating,co.LLC

125 N.Market suite 1000
Wichita,Kansas.67202

ATTN: Wes Hansen

Baier#3

31-33S-12W

Job Ticket: 18644

DST#: 3

Test Start: 2004.03.13 @ 21:24:26

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:02:41

Time Test Ended: 06:14:11

Test Type: Conventional Bottom Hole

Tester: Darren L.Amerine

Unit No: 19

Interval: **4950.00 ft (KB) To 4980.00 ft (KB) (TVD)**

Total Depth: 4980.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1902.00 ft (KB)

1889.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6625 **Inside**

Press@RunDepth: 35.88 psig @ 4952.00 ft (KB)

Start Date: 2004.03.13

End Date:

2004.03.14

Start Time: 21:24:31

End Time:

06:14:11

Capacity: 7000.00 psig

Last Calib.: 2004.03.14

Time On Btm: 2004.03.14 @ 00:01:41

Time Off Btm: 2004.03.14 @ 03:56:11

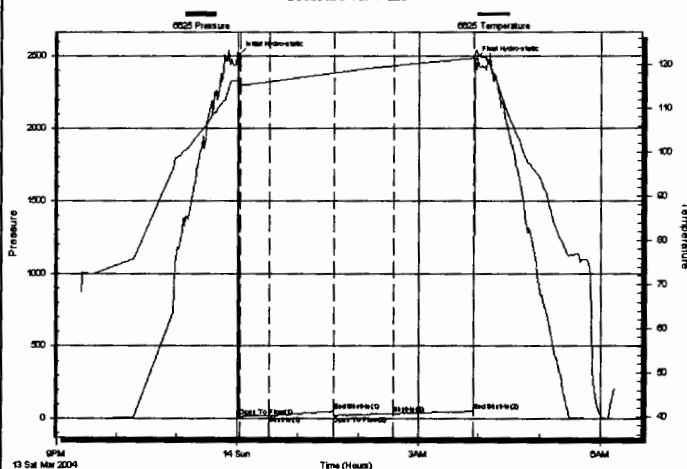
TEST COMMENT: IF:Weak surface blow built to 1/8" in H2O bucket.

IS:Bled down n for 2 mins.no b.b.

FF:Dead blow.

FSI:No b.b.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2508.29	116.57	Initial Hydro-static
1	16.87	115.81	Open To Flow (1)
31	18.72	116.16	Shut-In(1)
94	52.09	118.13	End Shut-In(1)
95	21.87	118.21	Open To Flow (2)
154	35.88	119.82	Shut-In(2)
234	52.68	121.53	End Shut-In(2)
235	2473.41	122.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SGCM 4% gas 96% mud	0.21
0.00	trace of gip	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating,co.LLC

Baier#3

125 N.Market suite 1000
Wichita,Kansas.67202

31-33S-12W

Job Ticket: 18644

DST#: 3

ATTN: Wes Hansen

Test Start: 2004.03.13 @ 21:24:26

Tool Information

Drill Pipe:	Length: 4927.00 ft	Diameter: 3.80 inches	Volume: 69.11 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 69.11 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4950.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	59.00 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			4922.00	
Shut In Tool	5.00			4927.00	
Hydraulic tool	5.00			4932.00	
Jars	5.00			4937.00	
Safety Joint	3.00			4940.00	
Packer	5.00			4945.00	29.00 Bottom Of Top Packer
Packer	5.00			4950.00	
Stubb	2.00			4952.00	
Recorder	0.00	6625	Inside	4952.00	
Anchor	25.00			4977.00	
Recorder	0.00	10991	Outside	4977.00	
Bullnose	3.00			4980.00	30.00 Bottom Packers & Anchor

Total Tool Length: 59.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating,co.LLC

Baier#3

125 N.Market suite 1000
Wichita,Kansas.67202

31-33S-12W

Job Ticket: 18644

DST#: 3

ATTN: Wes Hansen

Test Start: 2004.03.13 @ 21:24:26

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: 8.38 in³

Gas Cushion Type:

Resistivity: 0.80 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SGCM 4%gas 96%mud	0.210
0.00	trace of gip	0.000

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

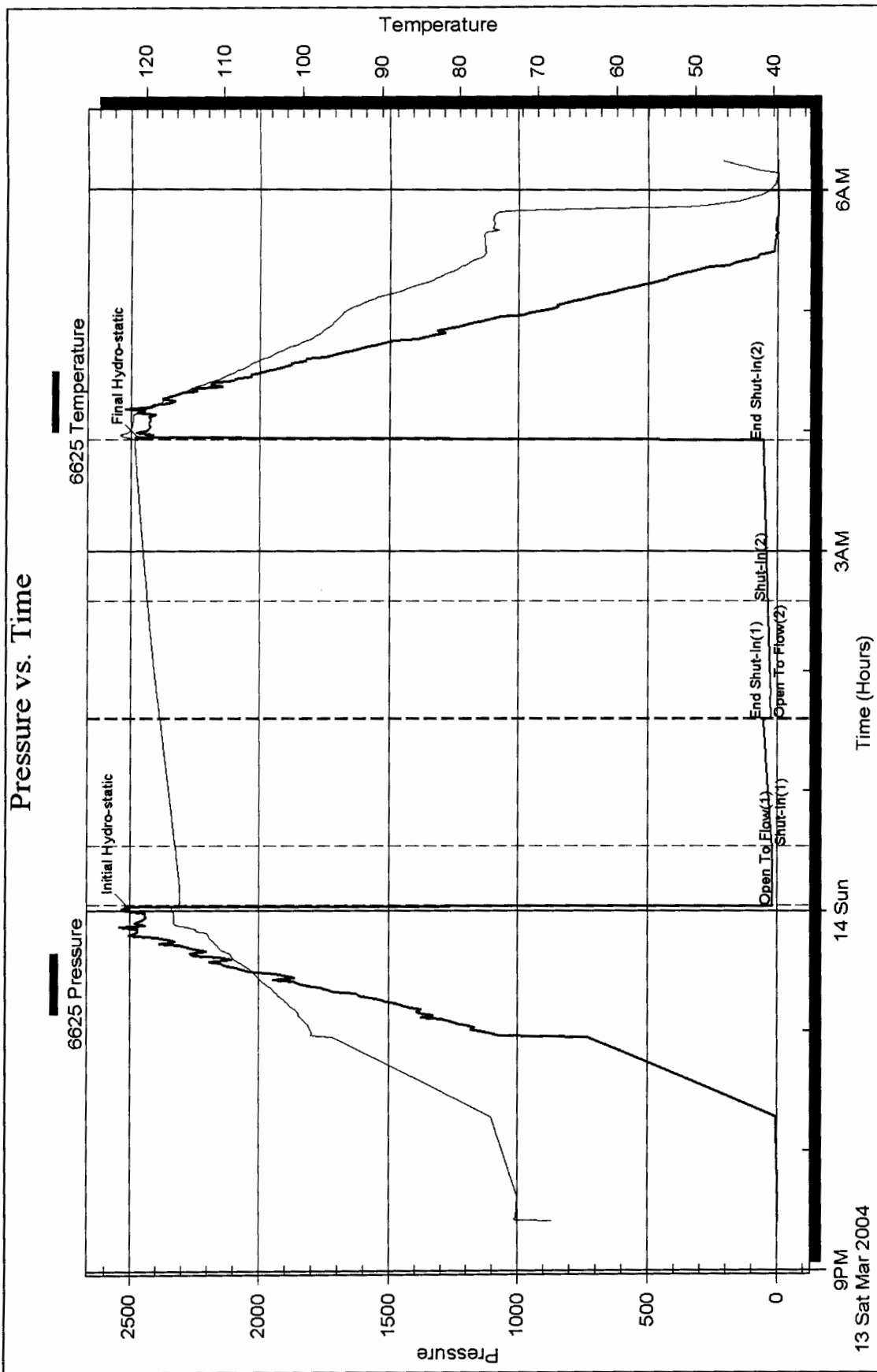
Serial #:

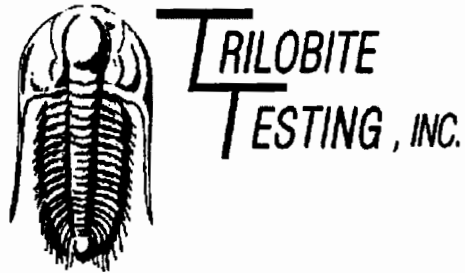
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating,co.LLC**

125 N.Market suite 1000
Wichita,Kansas.67202

ATTN: Wes Hansen

31-33S-12W

Baier#3

Start Date: 2004.03.15 @ 21:32:55

End Date: 2004.03.16 @ 09:03:40

Job Ticket #: 18645 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



Woolsey Operating,co.LLC

ATTN: Wes Hansen

Baier#3

31-33S-12W

Job Ticket: 18645

DST#: 4

Test Start: 2004.03.15 @ 21:32:55

Formation: Kindehook-Viola

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:35:40

Time Test Ended: 09:03:40

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Interval: 5116.00 ft (KB) To 5235.00 ft (KB) (TVD)

Reference Elevations: 1902.00 ft (KB)

Total Depth: 5235.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6625

Inside

Press@RunDepth: 99.44 psig @ 5118.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.03.15

End Date: 2004.03.16

Last Calib.: 2004.03.16

Start Time: 21:33:00

End Time: 09:03:40

Time On Btm: 2004.03.16 @ 01:26:55

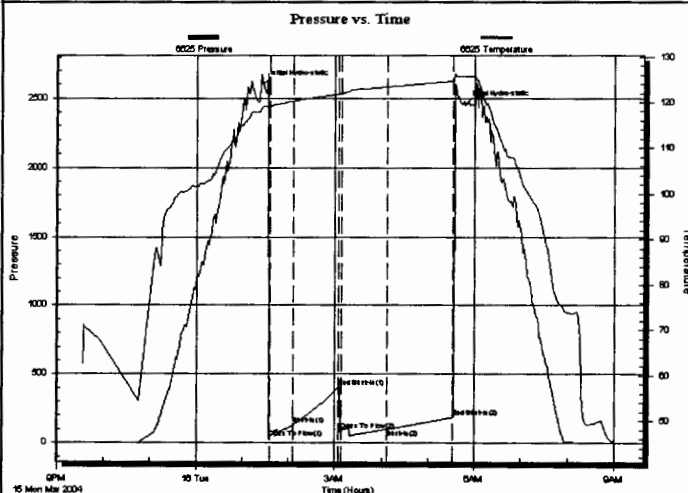
Time Off Btm: 2004.03.16 @ 05:48:10

TEST COMMENT: IF:Weak surface blow died in 20 mins.

ISI: No blow back.

FF:Weak surface blow .

FSI:Bled down for 1 min.no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2603.13	119.09	Initial Hydro-static
9	38.18	118.79	Open To Flow (1)
39	131.25	120.30	Shut-in(1)
98	402.46	121.81	End Shut-in(1)
102	89.03	121.88	Open To Flow (2)
160	99.44	123.38	Shut-in(2)
245	187.05	124.65	End Shut-in(2)
262	2454.57	125.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud	0.17

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating,co.LLC

Baier#3

125 N.Market suite 1000
Wichita,Kansas.67202

31-33S-12W

Job Ticket: 18645

DST#: 4

ATTN: Wes Hansen

Test Start: 2004.03.15 @ 21:32:55

Tool Information

Drill Pipe:	Length: 5114.00 ft	Diameter: 3.38 inches	Volume: 56.75 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 56.75 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	73000.00 lb
Depth to Top Packer:	5116.00 ft			Final	73000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	119.00 ft				
Tool Length:	148.00 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			5088.00	
Shut In Tool	5.00			5093.00	
Hydraulic tool	5.00			5098.00	
Jars	5.00			5103.00	
Safety Joint	3.00			5106.00	
Packer	5.00			5111.00	29.00 Bottom Of Top Packer
Packer	5.00			5116.00	
Stubb	2.00			5118.00	
Recorder	0.00	6625	Inside	5118.00	
Anchor	17.00			5135.00	
Recorder	0.00	10991	Outside	5135.00	
Blank Spacing	94.00			5229.00	
Bullnose	6.00			5235.00	119.00 Bottom Packers & Anchor

Total Tool Length: 148.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating,co.LLC

Baier#3

125 N.Market suite 1000
Wichita,Kansas.67202

31-33S-12W

Job Ticket: 18645

DST#: 4

ATTN: Wes Hansen

Test Start: 2004.03.15 @ 21:32:55

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: 1.70 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud	0.166

Total Length: 15.00 ft

Total Volume: 0.166 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

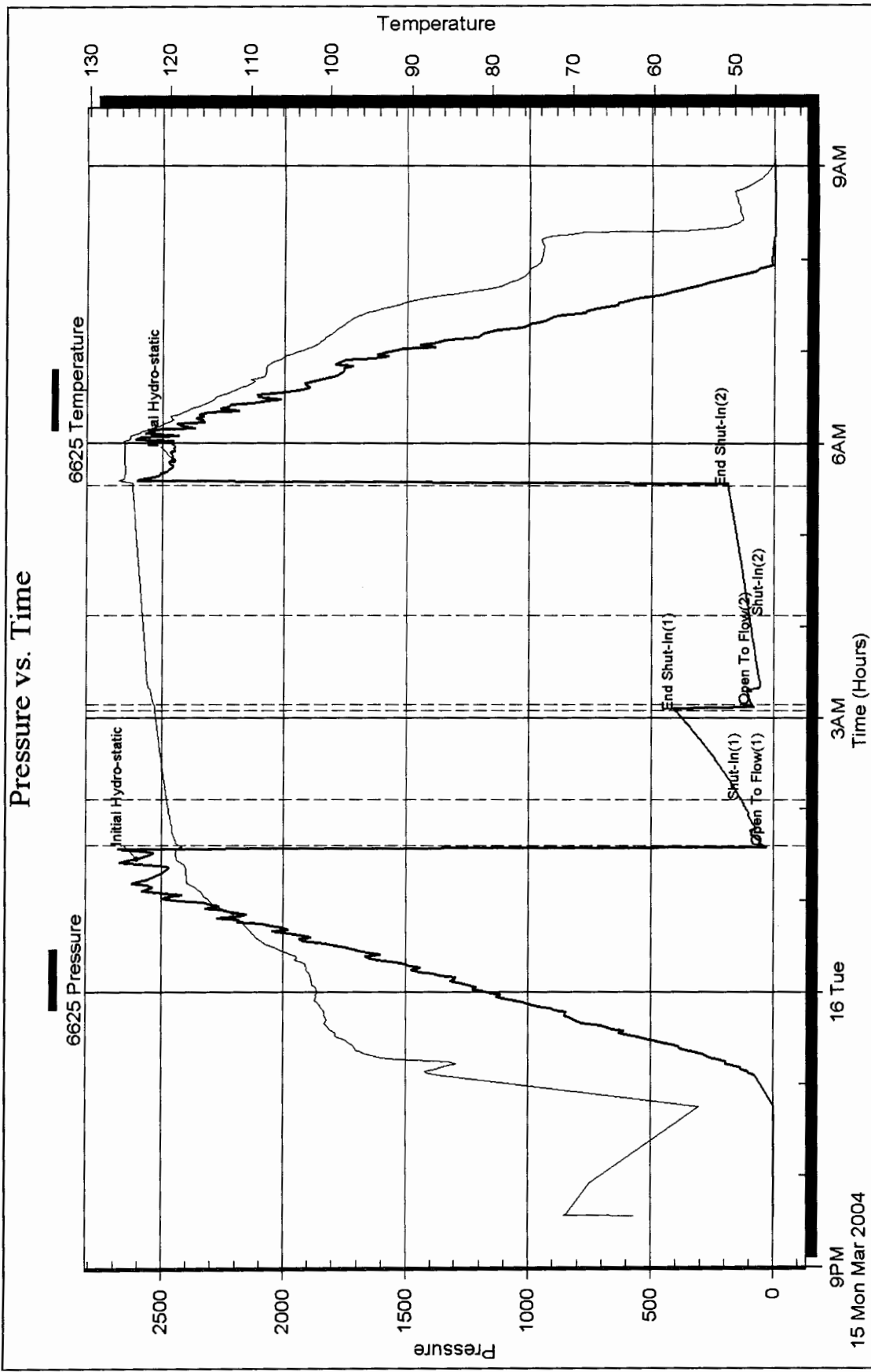
Serial #:

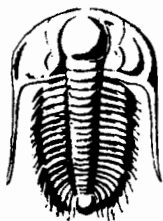
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18642

05/03

Test Ticket

Well Name & No. <u>Baier #3</u>	Test No. <u>#1</u>	Date <u>3-9-04</u>
Company <u>Wheatley Operating Company LLC</u>	Zone Tested <u>ELgin</u>	
Address <u>625 N. Market Suite 1000 Wichita, KS 67202</u>	Elevation <u>1902</u> KB <u>1889</u>	GL
Co. Rep / Geo. <u>Wes Hansen</u>	Cont. <u>Duke #9</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>31</u> Twp. <u>33S</u> Rge. <u>13W</u>	Co. <u>Barber, Co.</u>	State <u>KS</u>
No. of Copies <u>5</u>	Disbtribution Sheet (Y, N) <u>—</u>	Turnkey (Y, N) <u>—</u> Evaluation (Y, N) <u>—</u>

Interval Tested <u>3888' - 3970'</u>	Initial Str Wt./Lbs. <u>60,000</u>	Unseated Str Wt./Lbs. <u>62,000</u>
Anchor Length <u>82'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth <u>3883'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3888'</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3970'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>N/A</u>
Mud Wt. <u>9.2</u> LCM <u>2"</u> Vis. <u>40</u> WL <u>108</u>	Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>3948'</u>

Blow Description IF: Weak surface blow built to 4" in #20 bucket
IST: Bleed down 3 mins No blow back.
FT: Dead blow.
FSI: No blow back

Recovery - Total Feet <u>15'</u>	GIP <u>Trace @ Tool</u>	Ft. in DC <u>N/A</u>	Ft. in DP <u>15'</u>
Rec. <u>15'</u>	Feet of <u>Drilling mud</u>	%gas	%oil
Rec. <u>Trace</u>	Feet of <u>Gip @ Tool</u>	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
BHT <u>105°</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW _____	@ _____ °F	Chlorides _____ ppm	Recovery _____ Chlorides <u>4,000</u> ppm System

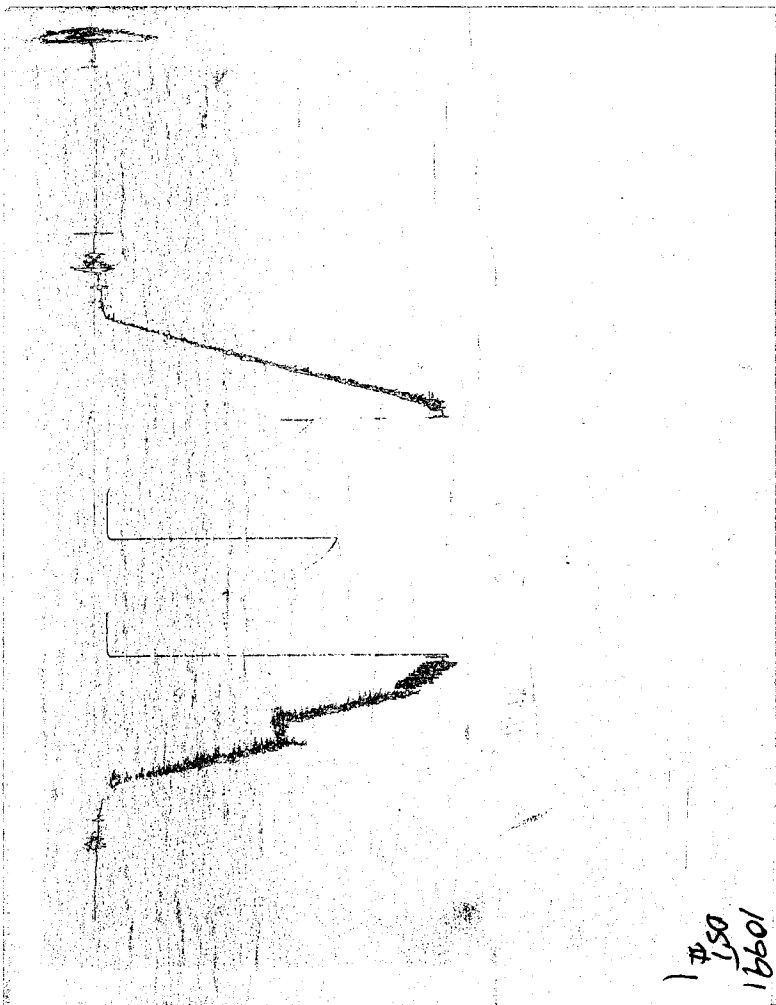
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1880</u>	PSI	<u>6625</u>	<u>700</u>
(B) First Initial Flow Pressure	<u>16</u>	PSI	(depth) <u>3890'</u>	Elec. Rec. <u>150</u>
(C) First Final Flow Pressure	<u>19</u>	PSI	Recorder No. <u>10991</u>	Jars <u>200</u>
(D) Initial Shut-In Pressure	<u>1335</u>	PSI	(depth) <u>3967'</u>	Safety Jt. <u>50</u>
(E) Second Initial Flow Pressure	<u>21</u>	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>23</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1198</u>	PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1883</u>	PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>60</u>	Mileage <u>54(108)</u> <u>91.80</u>
			T-On Location <u>0745</u>	Sub Total: <u>1196.80</u>
			T-Started <u>1132</u>	Std. By <u>23/4</u> <u>82.50</u>
			T-Open <u>1316</u>	Other _____
			T-Pulled <u>1616</u>	Total: <u>\$1274.30</u>
			T-Out <u>1833</u>	

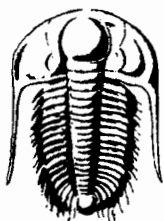
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Approved By Wesley Hansen
 Our Representative Warren Smerino

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18643

05/03

Test Ticket

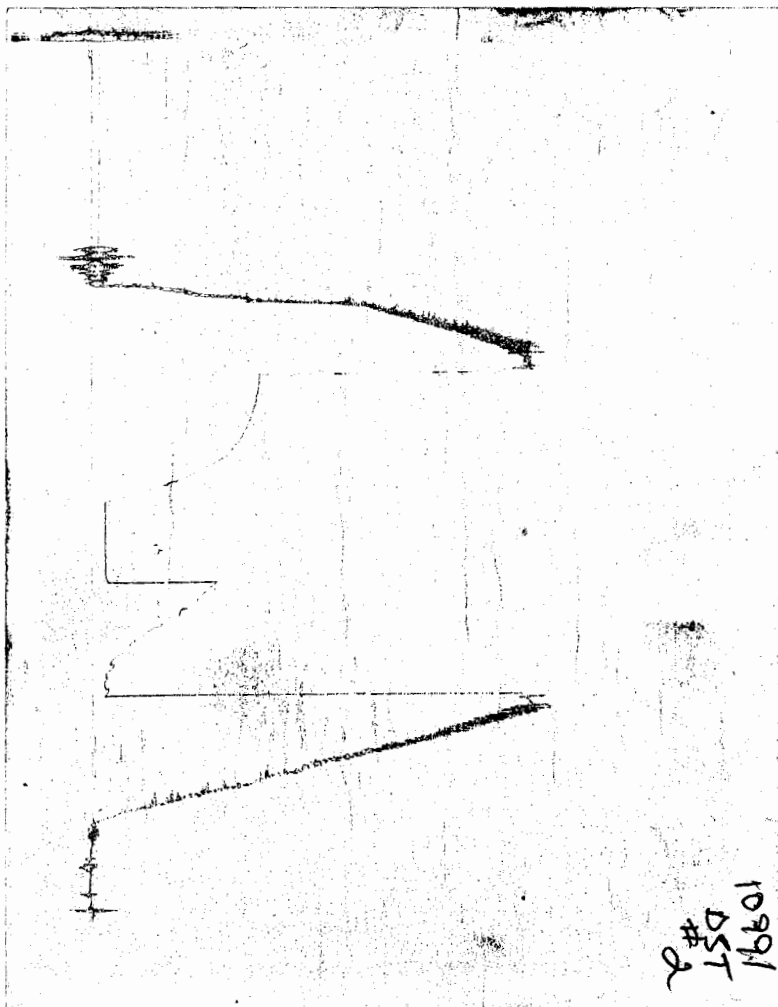
Well Name & No. <u>Baier #3</u>	Test No. <u>#2</u>	Date <u>3-12-04</u>
Company <u>Woodsey Operating Co. LLC.</u>	Zone Tested <u>M.SS.</u>	
Address <u>125 N. Market Suite 1000 Wichita, KS. 67202</u>	Elevation <u>1902</u>	KB <u>1889</u> GL
Co. Rep / Geo. <u>Wes Hansen</u>	Cont. <u>Duke #9</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>31</u> Twp. <u>33S</u> Rge. <u>13W</u>	Co. <u>Barber Co</u>	State <u>Ks</u>
No. of Copies <u>5</u>	Disbtribution Sheet (Y, N) <u>-</u>	Turnkey (Y, N) <u>-</u> Evaluation (Y, N) <u>-</u>

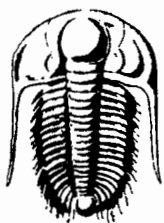
Interval Tested <u>4842' - 4906'</u>	Initial Str Wt./Lbs. <u>70,000</u>	Unseated Str Wt./Lbs. <u>70,000</u>
Anchor Length <u>64'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>85,000</u>
Top Packer Depth <u>4837'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>4842'</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>4906</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>N/A</u>
Mud Wt. <u>9.2</u> LCM <u>2#</u> Vis. <u>50</u> WL <u>7.2</u>	Drill Pipe Size <u>4 1/2 x H</u>	Ft. Run <u>4863'</u>
Blow Description <u>TF Strong blow b.o.b in 11 mins</u>		
<u>1st Blow down for 5 mins No blow back.</u>		
<u>FF Strong blow b.o.b in 30 sec.</u>		
<u>1st Blow down for 15 mins. No blow back.</u>		
Recovery - Total Feet <u>50'</u>	GIP <u>1100'</u>	Ft. in DC <u>N/A</u> Ft. in DP <u>50'</u>
Rec. <u>50'</u> <u>USGCM</u> Feet of _____	<u>4</u> %gas _____ %oil _____ %water <u>96</u> %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 <u>124°</u> °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API		
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides <u>4000</u> ppm System		

(A) Initial Hydrostatic Mud	AK-1 <u>2430</u> PSI	Alpine	Recorder No. <u>6625</u>	Test <u>✓</u> <u>800</u>
(B) First Initial Flow Pressure	<u>34</u> PSI		(depth) <u>4844'</u>	Elec. Rec. <u>✓</u> <u>150</u>
(C) First Final Flow Pressure	<u>39</u> PSI		Recorder No. <u>10991</u>	Jars <u>✓</u> <u>200</u>
(D) Initial Shut-In Pressure	<u>684</u> PSI		(depth) <u>4871'</u>	Safety Jt. <u>✓</u> <u>50</u>
(E) Second Initial Flow Pressure	<u>27</u> PSI		Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>34</u> PSI		(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>239</u> PSI	Initial Opening <u>30</u>		Straddle _____
(Q) Final Hydrostatic Mud	<u>2400</u> PSI	Initial Shut-In <u>60</u>		Ext. Packer _____
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.		Final Flow <u>60</u>		Shale Packer _____
		Final Shut-In <u>180</u>		Mileage <u>91.80</u>
		T-On Location <u>1700</u>		Sub Total: <u>1291.80</u>
		T-Started <u>1740</u>		Std. By <u>3hrs</u> <u>90</u>
		T-Open <u>2012</u>		Other _____
		T-Pulled <u>0142</u>		Total: <u>1381.80</u>
		T-Out <u>0459</u>		
Approved By <u>Wes Hansen</u>				
Our Representative <u>Dan L. Meier</u>				

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18644

05/03

Test Ticket

Well Name & No.	<u>Barber #3</u>		Test No.	<u>#3</u>	Date	<u>3-13-04</u>
Company	<u>Woolsey Operating, Co. LLC</u>		Zone Tested	<u>Miss.</u>		
Address	<u>125 N. Market, Suite 1000 Wichita, Ks.</u>		Elevation	<u>1902</u>	KB	<u>1889</u>
Co. Rep / Geo.	<u>Wes Hansen</u>	Cont.	<u>Duke #9</u>	Est. Ft. of Pay	Por.	%
Location: Sec.	<u>31</u>	Twp.	<u>33 S</u>	Rge.	<u>13 W</u>	Co.
			<u>Barber, Co.</u>	State <u>KS</u>		
No. of Copies	<u>5</u>	Disbtribution Sheet (Y, N)	<u>—</u>	Turnkey (Y, N)	<u>—</u>	Evaluation (Y, N)
			<u>—</u>	<u>—</u>		

Interval Tested	<u>4950' - 4980'</u>	Initial Str Wt./Lbs.	<u>70,000</u>	Unseated Str Wt./Lbs.	<u>7900</u>
Anchor Length	<u>30'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>85000</u>
Top Packer Depth	<u>4945'</u>	Tool Weight	<u>2100</u>		
Bottom Packer Depth	<u>4950'</u>	Hole Size 7 7/8"	<u>✓</u>	Rubber Size 6 3/4"	<u>✓</u>
Total Depth	<u>4980'</u>	Wt. Pipe Run	<u>N/A</u>	Drill Collar Run	<u>N/A</u>
Mud Wt. <u>9.2</u> LCM <u>3#</u> Vis. <u>48</u> WL <u>8.4</u>	Drill Pipe Size		<u>4 1/2 x H</u>	Ft. Run	<u>4927'</u>
Blow Description <u>IF: Weak surface blow built to 1/8" in H2O bucket.</u>					
<u>ISI: Blad platen for 2 mins. No blow back.</u>					
<u>FF: Dead blow.</u>					
<u>FSI: No b.b.</u>					

Recovery - Total Feet	<u>15'</u>	GIP	<u>Trace</u>	Ft. in DC	<u>N/A</u>	Ft. in DP	<u>15'</u>
Rec.	<u>15'</u>	Feet of	<u>USGCM</u>	4 %gas	%oil	%water	<u>96</u> %mud
Rec.	<u>Trace</u>	Feet of	<u>GIP</u>	%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	<u>122°</u>	°F Gravity		*API D @		°F Corrected Gravity	*API
RW		@	°F	Chlorides		ppm Recovery	Chlorides <u>6500</u> ppm System

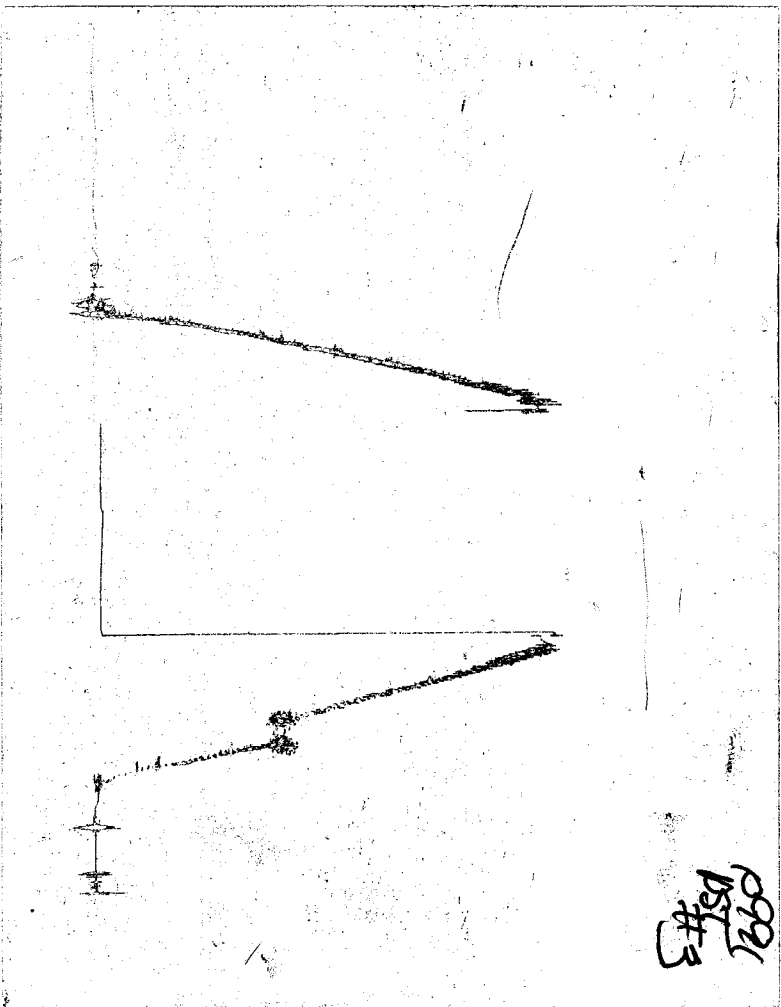
(A) Initial Hydrostatic Mud	AK-1	Alpine	2508	PSI	Recorder No.	<u>6625</u>	Test	<u>✓</u>	<u>80</u>
(B) First Initial Flow Pressure			<u>17</u>	PSI	(depth)	<u>4952'</u>	Elec. Rec.	<u>✓</u>	
(C) First Final Flow Pressure			<u>19</u>	PSI	Recorder No.	<u>10991</u>	Jars	<u>✓</u>	
(D) Initial Shut-In Pressure			<u>52</u>	PSI	(depth)	<u>4977'</u>	Safety Jt.	<u>✓</u>	
(E) Second Initial Flow Pressure			<u>22</u>	PSI	Recorder No.		Circ Sub		
(F) Second Final Flow Pressure			<u>36</u>	PSI	(depth)		Sampler		
(G) Final Shut-In Pressure			<u>53</u>	PSI	Initial Opening	<u>30</u>	Straddle		
(Q) Final Hydrostatic Mud			<u>2473</u>	PSI	Initial Shut-In	<u>60</u>	Ext. Packer		
					Final Flow	<u>60</u>	Shale Packer		
					Final Shut-In	<u>90</u>	Mileage		
					T-On Location	<u>2100</u>	Sub Total:	<u>1291.80</u>	
					T-Started	<u>2124</u>	Std. By	<u>15</u>	
					T-Open	<u>0000</u>	Other		
					T-Pulled	<u>0400</u>	Total:	<u>1306.80</u>	
					T-Out	<u>0614</u>			

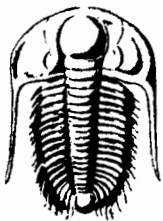
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Approved By Wesley Hansen
Our Representative Darren Dornier

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 18645

05/03

Test Ticket

Well Name & No. Baier #3 Test No. #4 Date 3-15-04
 Company Woolsey Operating, Co. LLC 125 W. Zone Tested Kinderhook-Vida
 Address Market Suite 1000 Wichita, KS 67202 Elevation 1902 KB 1889 GL
 Co. Rep / Geo. Wes Hansen Cont. Duke #9 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 31 Twp. 33S Rge. 13W Co. Barber, Co. State KS
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5116' - 5235' Initial Str Wt./Lbs. 73000 Unseated Str Wt./Lbs. 73000
 Anchor Length 119' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 5111' Tool Weight 2100
 Bottom Packer Depth 5116' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5235' Wt. Pipe Run N/A Drill Collar Run N/A
 Mud Wt. 9.2 LCM 3# Vis. 54 WL 7.6 Drill Pipe Size 4 1/2 XH Ft. Run 5208'

Blow Description IF: Weak surface blow died in 20 mins.

ISI: No blow back

FF: Weak surface blow

FSE: Blow down for 1 min. No blow back.

Recovery - Total Feet 15 GIP _____ Ft. in DC 0 Ft. in DP 15
 Rec. 15 Feet of Mud %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 125 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4400 ppm System

AK-1 Alpine
 (A) Initial Hydrostatic Mud 2603 PSI Recorder No. 6625 Test ✓ 900
 (B) First Initial Flow Pressure 38 PSI (depth) 5118' Elec. Rec. ✓
 (C) First Final Flow Pressure 131 PSI Recorder No. 10791 Jars ✓
 (D) Initial Shut-In Pressure 402 PSI (depth) 5135' Safety Jt. ✓
 (E) Second Initial Flow Pressure 89 PSI Recorder No. _____ Circ Sub _____
 (F) Second Final Flow Pressure 99 PSI (depth) _____ Sampler _____
 (G) Final Shut-In Pressure 187 PSI Initial Opening 30 Straddle _____
 (Q) Final Hydrostatic Mud 2455 PSI Initial Shut-In 60 Ext. Packer _____
 Final Flow 60 Shale Packer _____
 Final Shut-In 90 Mileage 57
 T-On Location 2030 Sub Total: 1391.80
 T-Started 21:32 Std. By 2hrs 60
 T-Open 0130 Other _____
 T-Pulled 0530 Total: 1451.80
 T-Out 8:30

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 Wesley Hansen

Our Representative Daniel S. Carneiro

100%
30% NICK

CHART PAGE

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

