



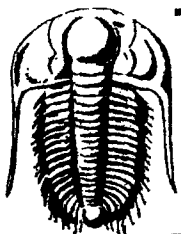
DRILL STEM TEST REPORT

Prepared for

Grady Bolding Corp.
PO Box 486
Ellinwood, KS 67526

Rogers #1
20-19S-14W
Barton Co Kansas

Trilobite Testing, Inc
PO Box 362 - Hays, Kansas - 67601
ph: 785-625-4778 fax: 785-625-5620
e-mail: trilobite@eaglecom.net



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT
Grady Bolding Corp.
PO Box 486
Ellinwood, KS 67526

Well name#:	Rogers #1	Date:	1/3/2004
Location#:	20-19S-14W Barton Co Kansas	Ticket #:	18475
		DST#	1

General Informaion:

Formation:	Red Eagle	Test Type:	Conventional	BHT:	
Interval:	2238-2332	Tester:	Jason McLemore	OIL API:	
Total Depth:	2332	Elevation:	1893 ft(KB)	H2O Salinity:	
Hole Diameter:	7 7/8"		1888 ft(CF)		
Start Data:	1/3/2004	Tool Weight:	2400	Mud Type:	Chemical
Start Time:	8:00:00	Weight Set on Packers:	28000	Mud Weight:	
Time tool opened:	9:57:00	Weight to Pull Loose:	41000	Viscosity:	
Time Off Btm:	10:27:00	Initial String Weight:	38000	Water Loss:	
End Date:	1/3/04	Final String Weight:	41000	Resistivity:	
End Time:	11:50:00	Drill Pipe Length:		Salinity:	
		Drill Collar Length:			
		Wt. Pipe Length:			

Test Comment:

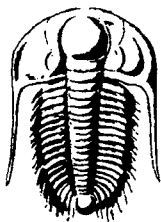
IF: Lost Packer Seat, pulled tool, dropped bar when got to fluid.
ISI:
FF:
FSI:

Recovery

Length(ft): 744 Mud

Gas Volume Report

Recorder #:	Time:(min)	Min:	Ins. Of water PSIG	Orifice size	MCF/D
Pressure Summary:					
Initial Hydro-static:					
Open to Flow (1):					
Shut-in (1):					
End Shut-in (1):					
Open to Flow (2):					
Shut-in (2):					
End Shut-in (2):					
Final Hydro-static:					



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18475

05/03

Test Ticket

Well Name & No. <u>Rogers #1</u>	Test No. <u>1</u>	Date <u>1-3-04</u>
Company <u>Grady Bolding Corp.</u>	Zone Tested <u>Red Eagle - Neva</u>	
Address <u>PO Box 486, Ellinwood, Ks, 67526</u>	Elevation <u>1893</u> KB <u>1888</u> GL	
Co. Rep / Geo. <u>Jim Musgrove</u>	Cont. <u>Vonfeldt #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>20</u> Twp. <u>19s</u> Rge. <u>14w</u>	Co. <u>Barton</u>	State _____
No. of Copies <u>Reg</u>	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>2238-2332</u>	Initial Str Wt./Lbs. <u>38,000</u>	Unseated Str Wt./Lbs. <u>41,000</u>
Anchor Length <u>94'</u>	Wt. Set Lbs. <u>28,000</u>	Wt. Pulled Loose/Lbs. <u>41,000</u>
Top Packer Depth <u>2233</u>	Tool Weight <u>2400</u>	
Bottom Packer Depth <u>2238</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>2332</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run _____
Mud Wt. <u>9.4</u> LCM <u>0</u> Vis. <u>32</u> WL <u>N/C</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run _____
Blow Description <u>IFP - Lost Packer Seat, pull tool, drop bar when got to fluid</u>		

Recovery - Total Feet <u>744</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>744</u>	Feet of <u>Mud</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 _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
BHT _____	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API _____
RW _____	@ _____ °F	Chlorides _____ ppm Recovery _____	Chlorides <u>69,000</u> ppm System

(A) Initial Hydrostatic Mud _____	PSI _____	Recorder No. <u>6627</u>	Test <u>✓</u> <u>500</u>
(B) First Initial Flow Pressure _____	PSI _____	(depth) <u>2242</u>	Elec. Rec. <u>✓</u> <u>150</u>
(C) First Final Flow Pressure _____	PSI _____	Recorder No. <u>13252</u>	Jars _____
(D) Initial Shut-In Pressure _____	PSI _____	(depth) <u>2329</u>	Safety Jt. _____
(E) Second Initial Flow Pressure _____	PSI _____	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure _____	PSI _____	(depth) _____	Sampler _____
(G) Final Shut-In Pressure _____	PSI _____	Initial Opening _____	Straddle _____
(Q) Final Hydrostatic Mud _____	PSI _____	Initial Shut-In _____	Ext. Packer _____
		Final Flow _____	Shale Packer _____
		Final Shut-In _____	Mileage <u>5112</u> <u>95.20</u>
		T-On Location <u>7:30</u>	Sub Total: <u>745.20</u>
		T-Started <u>8:00</u>	Std. By _____
		T-Open <u>9:57</u>	Other _____
		T-Pulled <u>10:27</u>	Total: _____
		T-Out <u>11:50</u>	

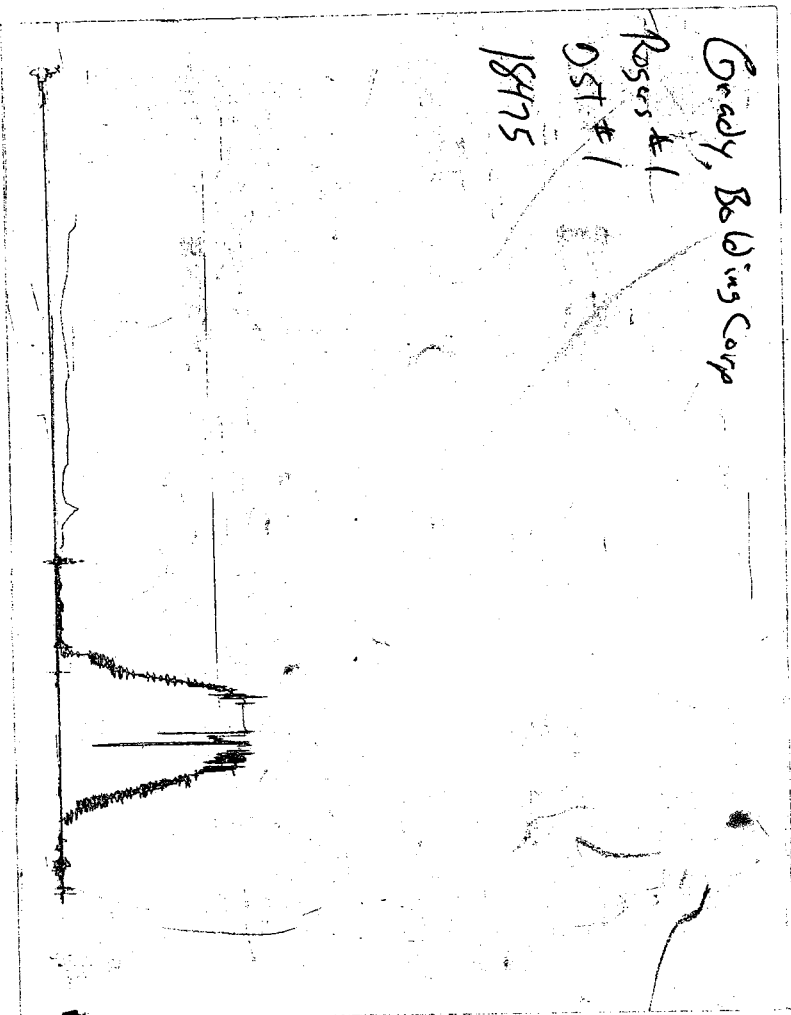
Approved By _____

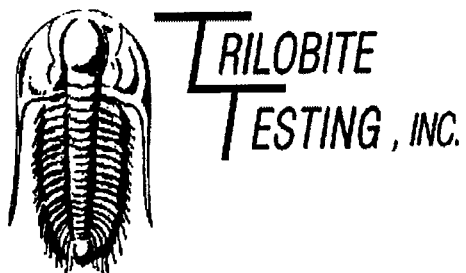
Our Representative Jason McNamee *Thank You*

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CHART PAGE

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





DRILL STEM TEST REPORT

Prepared For: **Grady Bolding Corp**

PO Box 486
Ellinwood, KS 67526

ATTN: Grady Bolding Corp

20-19-14 Barton, Ks

Rogers #1

Start Date: 2004.01.04 @ 22:30:21

End Date: 2004.01.05 @ 07:07:19

Job Ticket #: 17764 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

Grady Bolding Corp

PO Box 486
Ellinwood, KS 67526

ATTN: Grady Bolding Corp

Rogers #1

20-19-14 Barton, Ks

Job Ticket: 17764

DST#: 2

Test Start: 2004.01.04 @ 22:30:21

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:04:19

Time Test Ended: 07:07:19

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 25

Interval: 3210.00 ft (KB) To 3230.00 ft (KB) (TVD)

Total Depth: 3230.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1893.00 ft (KB)

1888.00 ft (CF)

KB to GRV/CF: 5.00 ft

Serial #: 6753

Inside

Press@RunDepth: 183.12 psig @ 3211.00 ft (KB)

Start Date: 2004.01.04

End Date: 2004.01.05

Start Time: 22:30:21

End Time: 07:07:19

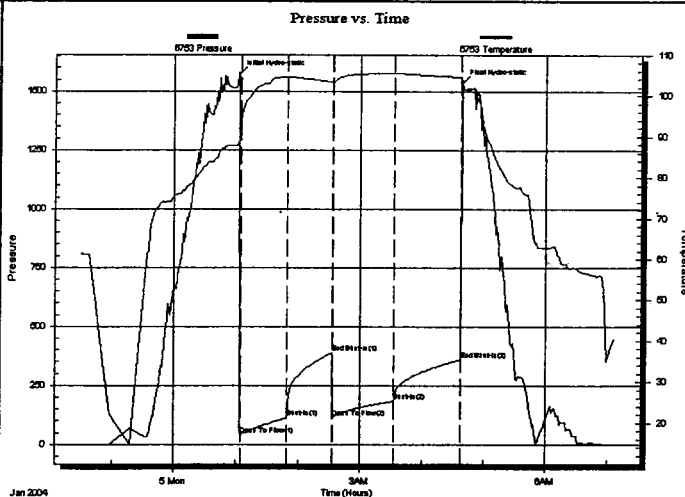
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2004.01.05 @ 01:02:34

Time Off Btm: 2004.01.05 @ 04:38:34

TEST COMMENT: B.O.B. in 1/2 min.
Return blow in 1 min. built to 7" in.
7" in. @ open, B.O.B. in 1/2 min.
Return blow in 1 min. built to 7" in.



PRESSURE SUMMARY

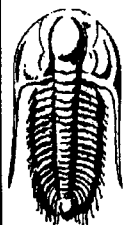
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.75	88.72	Initial Hydro-static
2	42.50	93.07	Open To Flow (1)
46	112.71	104.61	Shut-In (1)
90	387.28	103.29	End Shut-In (1)
91	116.28	103.19	Open To Flow (2)
151	183.12	105.52	Shut-In (2)
215	359.69	104.56	End Shut-In (2)
216	1536.65	103.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	h o c g m 20%o 25%g 55%m	0.21
120.00	m c g o 20%m 30%g 50%o	1.68
60.00	s m & w c g o 10%m 7%w 30%g 53%o	0.84
180.00	w a t e r w / t r a c e o f o i l 98%w 2%o	2.52

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grady Bolding Corp

Rogers #1

PO Box 486
Ellinwood, KS 67526

20-19-14 Barton, Ks

Job Ticket: 17764

DST#: 2

ATTN: Grady Bolding Corp

Test Start: 2004.01.04 @ 22:30:21

Tool Information

Drill Pipe:	Length: 3201.00 ft	Diameter: 3.80 inches	Volume: 44.90 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:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			Total Volume: 44.90 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3210.00 ft			Final	38000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	40.00 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			3191.00	
Shut In Tool	5.00			3196.00	
Hydraulic tool	5.00			3201.00	
Packer	5.00			3206.00	20.00 Bottom Of Top Packer
Packer	4.00			3210.00	
Stubb	1.00			3211.00	
Recorder	0.00	6753	Inside	3211.00	
Perforations	14.00			3225.00	
Recorder	0.00	11058	Outside	3225.00	
Bullnose	5.00			3230.00	20.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Grady Bolding Corp

Rogers #1

PO Box 486
Ellinwood, KS 67526

20-19-14 Barton, Ks

Job Ticket: 17764

DST#: 2

ATTN: Grady Bolding Corp

Test Start: 2004.01.04 @ 22:30:21

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 7.16 in³

Resistivity: 0.00 ohm.m

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 41000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	h o c g m 20%o 25%g 55%m	0.210
120.00	m c g o 20%m 30%g 50%o	1.683
60.00	s m & w c g o 10%m 7%w 30%g 53%o	0.842
180.00	water w/trace of oil 98%w 2%o	2.525

Total Length: 375.00 ft

Total Volume: 5.260 bbl

Num Fluid Samples: 0

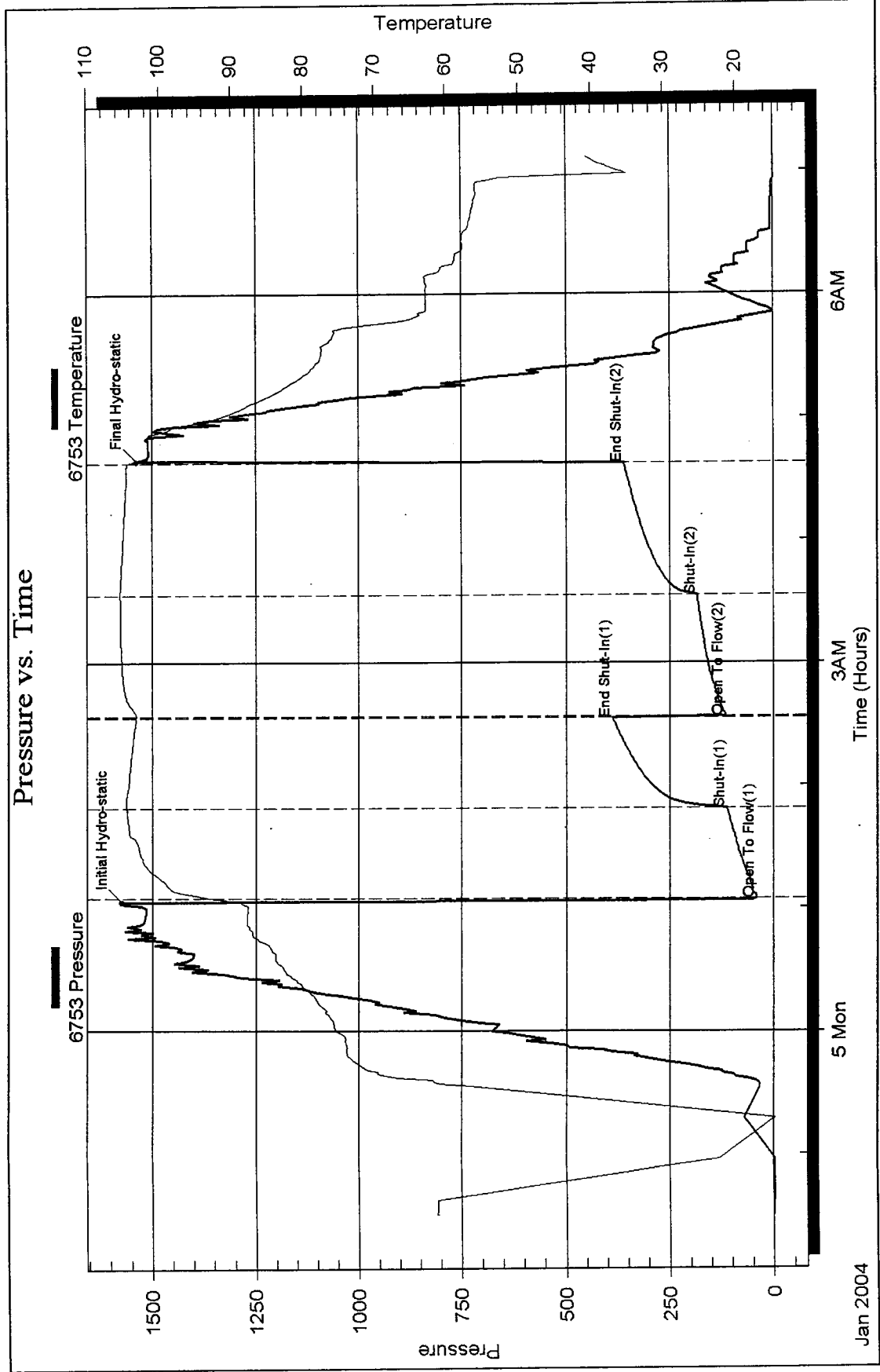
Num Gas Bombs: 0

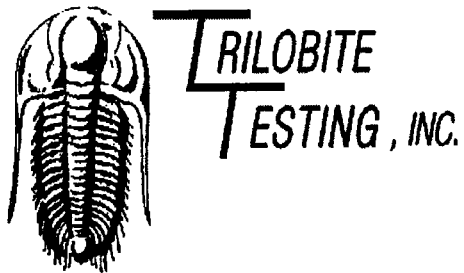
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Grady Bolding Corp**

PO Box 486
Ellinwood, KS 67526

ATTN: Grady Bolding Corp

20-19-14 Barton,Ks

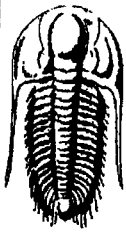
Rogers #1

Start Date: 2004.01.05 @ 17:25:14

End Date: 2004.01.05 @ 23:47:27

Job Ticket #: 17765 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

Grady Bolding Corp

PO Box 486
Ellinwood, KS 67526

ATTN: Grady Bolding Corp

Rogers #1

20-19-14 Barton, Ks

Job Ticket: 17765

DST#: 3

Test Start: 2004.01.05 @ 17:25:14

GENERAL INFORMATION:

Formation: **KC**

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

Time Tool Opened: 18:55:12

Time Test Ended: 23:47:27

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **3237.00 ft (KB) To 3282.00 ft (KB) (TVD)**

Total Depth: **3282.00 ft (KB) (TVD)**

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

Reference Elevations: **1893.00 ft (KB)**

1888.00 ft (CF)

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

Serial #: 6753 **Inside**

Press@RunDepth: **22.92 psig @ 3238.00 ft (KB)**

Start Date: **2004.01.05** End Date: **2004.01.05**

Start Time: **17:25:14** End Time: **23:47:27**

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2004.01.05 @ 18:54:57**

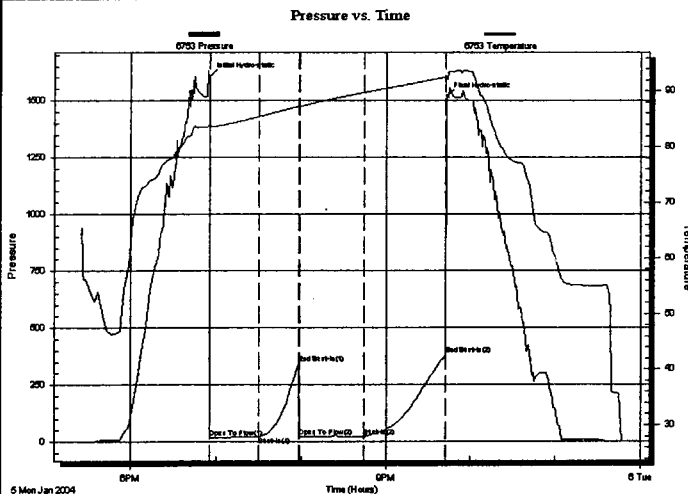
Time Off Btm: **2004.01.05 @ 21:43:12**

TEST COMMENT: **1/2" in. @ open, built to 1 1/4" in.**

No return

1/4" in. @ open blew throughout

No return



PRESSURE SUMMARY

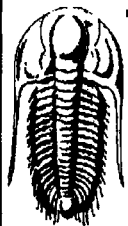
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1607.72	83.86	Initial Hydro-static
1	18.20	83.55	Open To Flow (1)
36	20.57	85.43	Shut-In(1)
64	345.08	87.29	End Shut-In(1)
64	20.65	87.22	Open To Flow (2)
109	22.92	89.73	Shut-In(2)
168	382.80	92.53	End Shut-In(2)
169	1517.80	92.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100% m	0.14

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grady Bolding Corp

Rogers #1

PO Box 486
Ellinwood, KS 67526

20-19-14 Barton, Ks

Job Ticket: 17765

DST#: 3

ATTN: Grady Bolding Corp

Test Start: 2004.01.05 @ 17:25:14

Tool Information

Drill Pipe:	Length: 3230.00 ft	Diameter: 3.80 inches	Volume: 45.31 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:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			Total Volume: 45.31 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	3237.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	45.00 ft				
Tool Length:	65.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3218.00	
Shut In Tool	5.00			3223.00	
Hydraulic tool	5.00			3228.00	
Packer	5.00			3233.00	20.00 Bottom Of Top Packer
Packer	4.00			3237.00	
Stubb	1.00			3238.00	
Recorder	0.00	6753	Inside	3238.00	
Perforations	5.00			3243.00	
Change Over Sub	1.00			3244.00	
Drill Pipe	32.00			3276.00	
Change Over Sub	1.00			3277.00	
Recorder	0.00	11058	Outside	3277.00	
Bullnose	5.00			3282.00	45.00 Bottom Packers & Anchor

Total Tool Length: 65.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Grady Bolding Corp

Rogers #1

PO Box 486
Ellinwood, KS 67526

20-19-14 Barton, Ks

Job Ticket: 17765

DST#: 3

ATTN: Grady Bolding Corp

Test Start: 2004.01.05 @ 17:25:14

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:

5400 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100% m	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

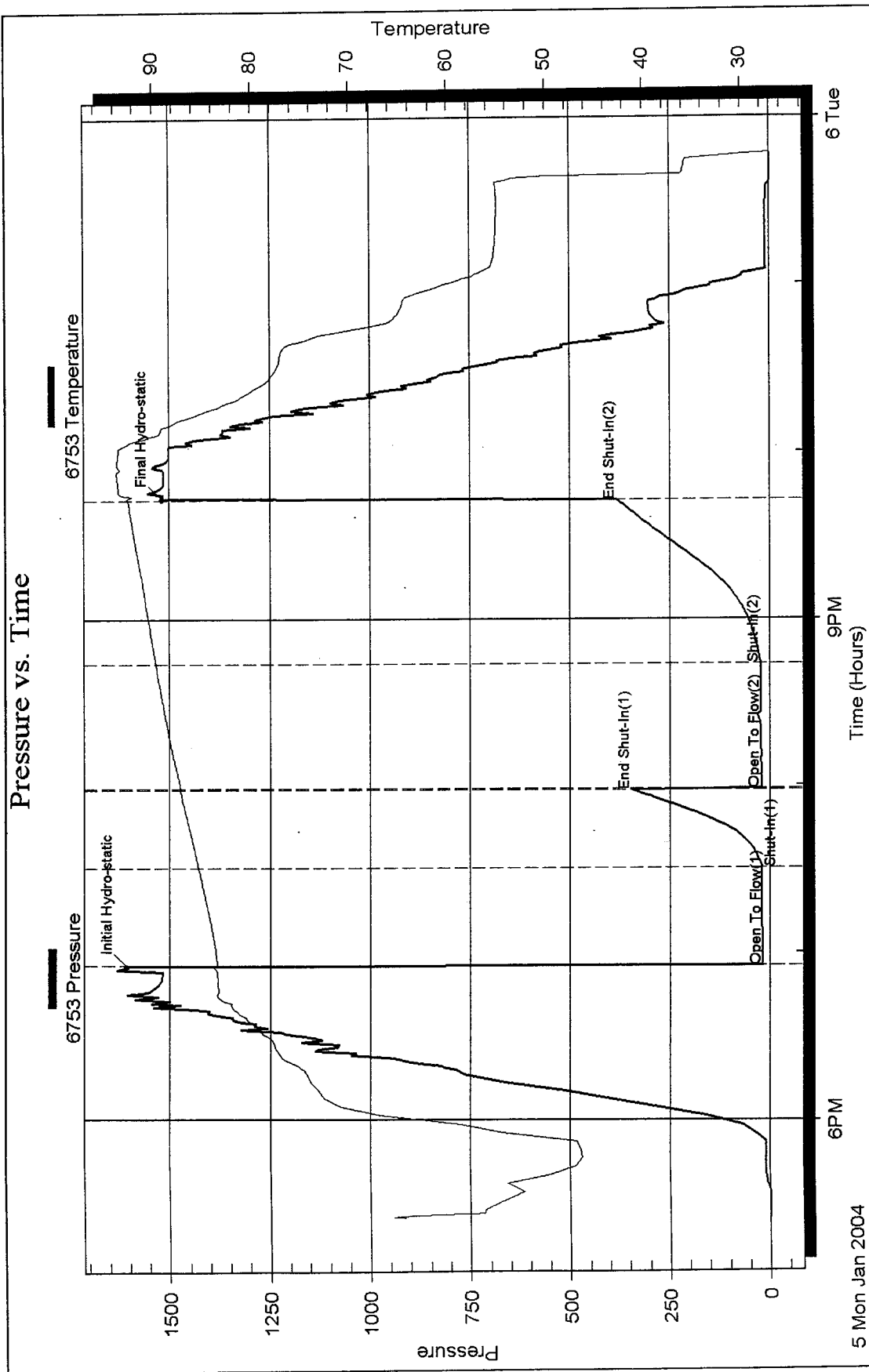
Num Gas Bombs: 0

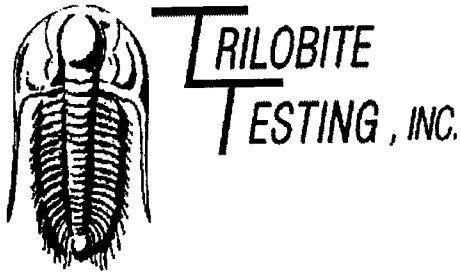
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Grady Bolding Corp**

PO Box 486
Ellinwood, KS 67526

ATTN: Grady Bolding Corp

20-19-14 Barton, Ks

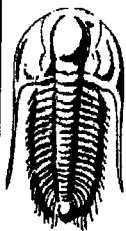
Rogers #1

Start Date: 2004.01.06 @ 22:25:22

End Date: 2004.01.07 @ 05:00:50

Job Ticket #: 17766 . 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

Grady Bolding Corp

PO Box 486
Ellinwood, KS 67526

ATTN: Grady Bolding Corp

Rogers #1

20-19-14 Barton, Ks

Job Ticket: 17766

DST#: 4

Test Start: 2004.01.06 @ 22:25:22

GENERAL INFORMATION:

Formation: **Arbuckel**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:16:20

Time Test Ended: 05:00:50

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 25

Interval: **3538.00 ft (KB) To 3547.00 ft (KB) (TVD)**

Total Depth: 3547.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1893.00 ft (KB)

1888.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Inside

Press@RunDepth: 118.31 psig @ 3539.00 ft (KB)

Start Date: 2004.01.06

End Date:

2004.01.07

Start Time: 22:25:22

End Time:

05:00:50

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

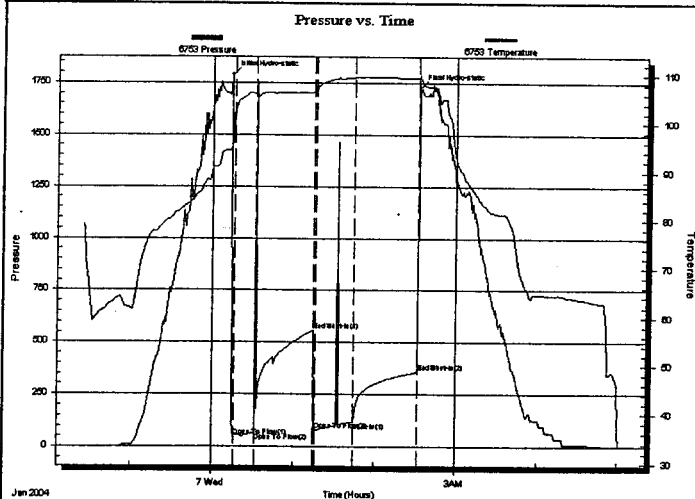
Time On Btm: 2004.01.07 @ 00:14:20

Time Off Btm: 2004.01.07 @ 02:33:20

TEST COMMENT: B.O.B. in 4 min. started dying off in 10 min. flush tool after 15 min. blow died back to 2" in.

No return

B.O.B. in 6 min. started dying off in 10 min. flush tool after 15 min. blow died back to 2



PRESSURE SUMMARY

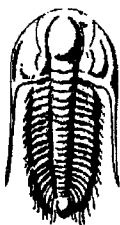
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1786.63	95.73	Initial Hydro-static
2	48.29	102.85	Open To Flow (1)
17	66.25	106.23	Open To Flow (2)
61	559.04	106.50	End Shut-In (1)
62	78.63	106.90	Open To Flow (3)
91	118.31	109.49	Shut-In (1)
139	357.37	109.46	End Shut-In (2)
139	1727.47	109.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	c g o 30%g 70%o	2.81
70.00	h o c g m 35%o 30%g 35%m	0.98

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grady Bolding Corp

Rogers #1

PO Box 486
Ellinwood, KS 67526

20-19-14 Barton, Ks

Job Ticket: 17766

DST#: 4

ATTN: Grady Bolding Corp

Test Start: 2004.01.06 @ 22:25:22

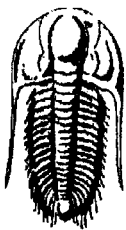
Tool Information

Drill Pipe:	Length: 3543.00 ft	Diameter: 3.80 inches	Volume: 49.70 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:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			Total Volume: 49.70 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3538.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	9.00 ft				
Tool Length:	29.00 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			3519.00	
Shut In Tool	5.00			3524.00	
Hydraulic tool	5.00			3529.00	
Packer	5.00			3534.00	20.00 Bottom Of Top Packer
Packer	4.00			3538.00	
Stubb	1.00			3539.00	
Recorder	0.00	6753	Inside	3539.00	
Perforations	3.00			3542.00	
Recorder	0.00	11058	Outside	3542.00	
Bullnose	5.00			3547.00	9.00 Bottom Packers & Anchor
Total Tool Length:	29.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Grady Bolding Corp

Rogers #1

PO Box 486
Ellinwood, KS 67526

20-19-14 Barton, Ks

Job Ticket: 17766

DST#: 4

ATTN: Grady Bolding Corp

Test Start: 2004.01.06 @ 22:25:22

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:

7600 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	c g o 30%g 70%o	2.805
70.00	h o c g m 35%o 30%g 35%m	0.982

Total Length: 270.00 ft

Total Volume: 3.787 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

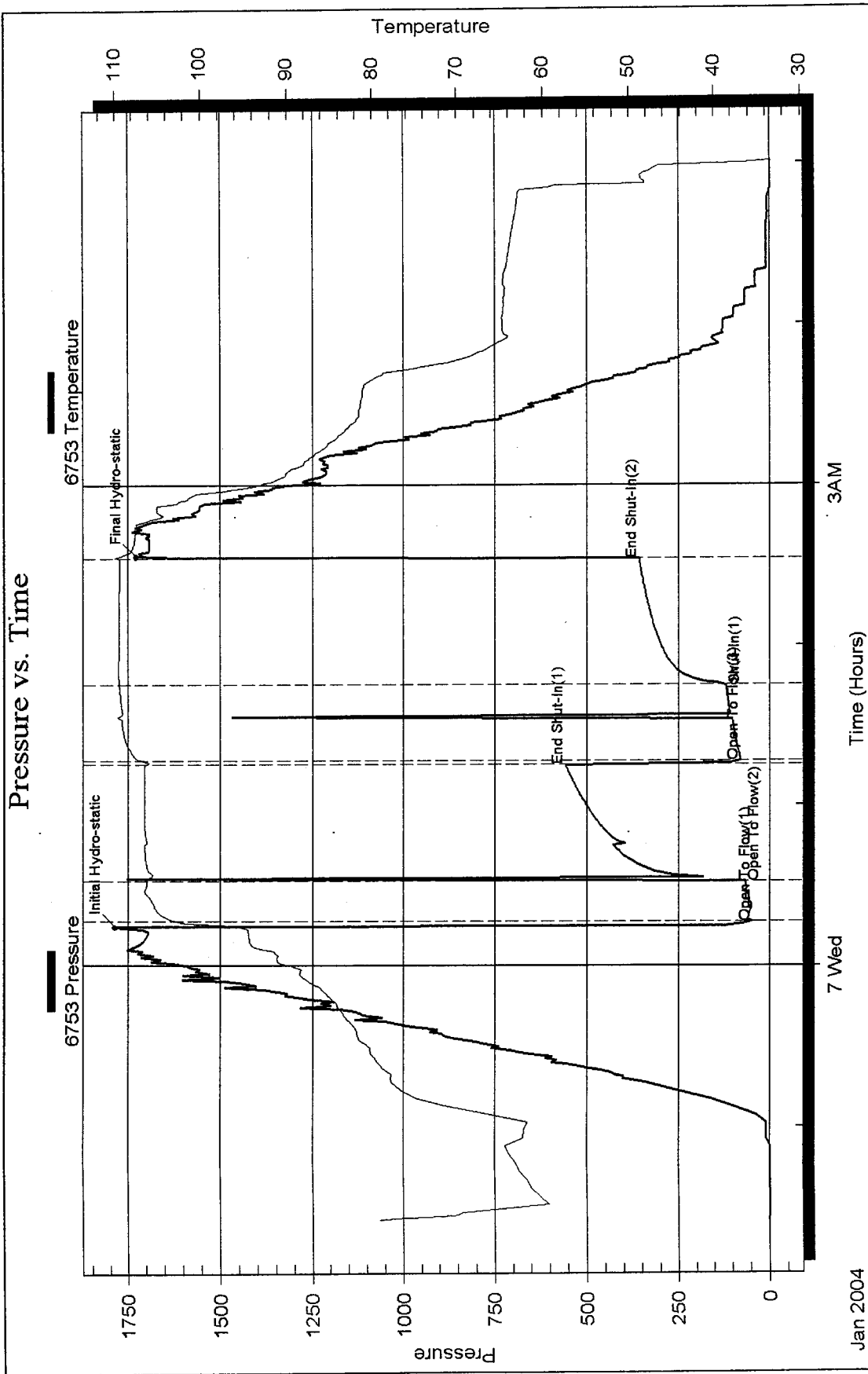
Inside

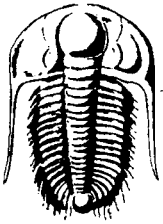
Grady Bolding Corp

20-19-14 Barton, Ks

DST Test Number: 4

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18475

05/03

Test Ticket

Well Name & No. Rogers #1 Test No. 1 Date 1-3-04
 Company Coady Bolding Corp. Zone Tested Red Eagle - Nema
 Address PO Box 486, Ellinwood, Ks, 67526 Elevation 1893 KB 1888 GL
 Co. Rep / Geo. Jim Musgrave Cont. Vonfeldt #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 20 Twp. 19s Rge. 14w Co. Barton State _____
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 2238-2332 Initial Str Wt./Lbs. 38,000 Unseated Str Wt./Lbs. 41,000
 Anchor Length 94' Wt. Set Lbs. 28,000 Wt. Pulled Loose/Lbs. 41,000
 Top Packer Depth 2233 Tool Weight 2400
 Bottom Packer Depth 2238 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 2332 Wt. Pipe Run 0 Drill Collar Run _____
 Mud Wt. 9.4 LCM 0 Vis. 32 WL N/C Drill Pipe Size 4 1/2 XH Ft. Run _____
 Blow Description IFP - Lost Packer Seat, pull tool, drop bar when got to fluid

Recovery - Total Feet 744 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 744 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 _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 69,000 ppm System

	AK-1	Alpine	PSI	Recorder No.	Test	✓	500
(A) Initial Hydrostatic Mud				<u>6627</u>			
(B) First Initial Flow Pressure				<u>2242</u>			<u>150</u>
(C) First Final Flow Pressure				<u>13252</u>			
(D) Initial Shut-In Pressure				<u>2329</u>			
(E) Second Initial Flow Pressure							
(F) Second Final Flow Pressure							
(G) Final Shut-In Pressure							
(Q) Final Hydrostatic Mud							

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Approved By _____
 Our Representative Jason McNamee *Thank you*

Final Flow _____
 Final Shut-In _____
 T-On Location 7:30
 T-Started 8:00
 T-Open 9:57
 T-Pulled 10:27
 T-Out 11:50
 Test ✓ 500
 Elec. Rec. ✓ 150
 Jars _____
 Safety Jt. _____
 Circ Sub _____
 Sampler _____
 Straddle _____
 Ext. Packer _____
 Shale Packer _____
 Mileage 512 95.20
 Sub Total: 745.20
 Std. By _____
 Other _____
 Total: _____

CHART PAGE

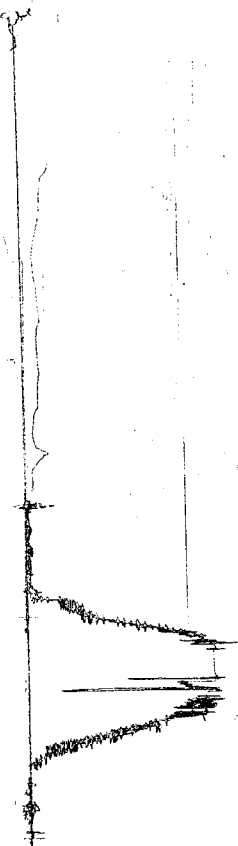
This is a photocopy of the actual AK-1 recorder chart

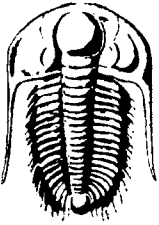
Gready, Belling Corp

Rosers #1

OST #1

18475





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 17764

12/02

Test Ticket

Well Name & No. <u>Rogers #1</u>	Test No. <u>#2</u>	Date <u>1-4-04</u>
Company <u>Grady Bolding Corp.</u>	Zone Tested <u>KC</u>	
Address <u>P.O. Box 486 Ellinwood, KS 67526</u>	Elevation <u>1893'</u>	KB <u>1888'</u> GL
Co. Rep / Geo. <u>Jim Messgrave</u>	Cont. <u>Vonfeldt #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>20</u> Twp. <u>19</u> Rge. <u>14</u> Co. <u>Barton</u> State <u>KS</u>		
No. of Copies <u>Num</u> Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____		

Interval Tested <u>3210'</u>	<u>3230'</u>	Initial Str Wt./Lbs. <u>35,000</u>	Unseated Str Wt./Lbs. <u>38,000</u>
Anchor Length _____	<u>20'</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth _____	<u>3205'</u>	Tool Weight <u>1,500</u>	
Bottom Packer Depth _____	<u>3210'</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth _____	<u>3230'</u>	Wt. Pipe Run _____	Drill Collar Run _____
Mud Wt. <u>9.2</u> LCM <u>Ø</u> Vis. <u>46</u> WL <u>7.2</u>		Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3201'</u>
Blow Description <u>B.O.B in 1/2 min</u>			

Return blow in 1 min built to 7'in
7'in @ open, B.O.B in 1/2 min.
Return blow in 1 min built to

Recovery - Total Feet <u>375'</u>	GIP <u>1830'</u>	Ft. in DC _____	Ft. in DP <u>375'</u>
Rec. <u>15</u>	Feet of <u>HOCG m 2090m 2590g 5590m</u>		
Rec. <u>120</u>	Feet of <u>mcgo 2090m 3090g 5090</u>		
Rec. <u>60</u>	Feet of <u>smw cgo 1090m 790w 3090g 5390</u>		
Rec. <u>180</u>	Feet of <u>Water w/Trace of o.i 9890w 290</u>		
Rec. _____	Feet of _____		
BHT <u>105°</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW <u>.235</u> @ <u>50°</u> °F	Chlorides <u>41,000</u> ppm	Recovery <u>41,000</u>	Chlorides <u>5,500</u> ppm System

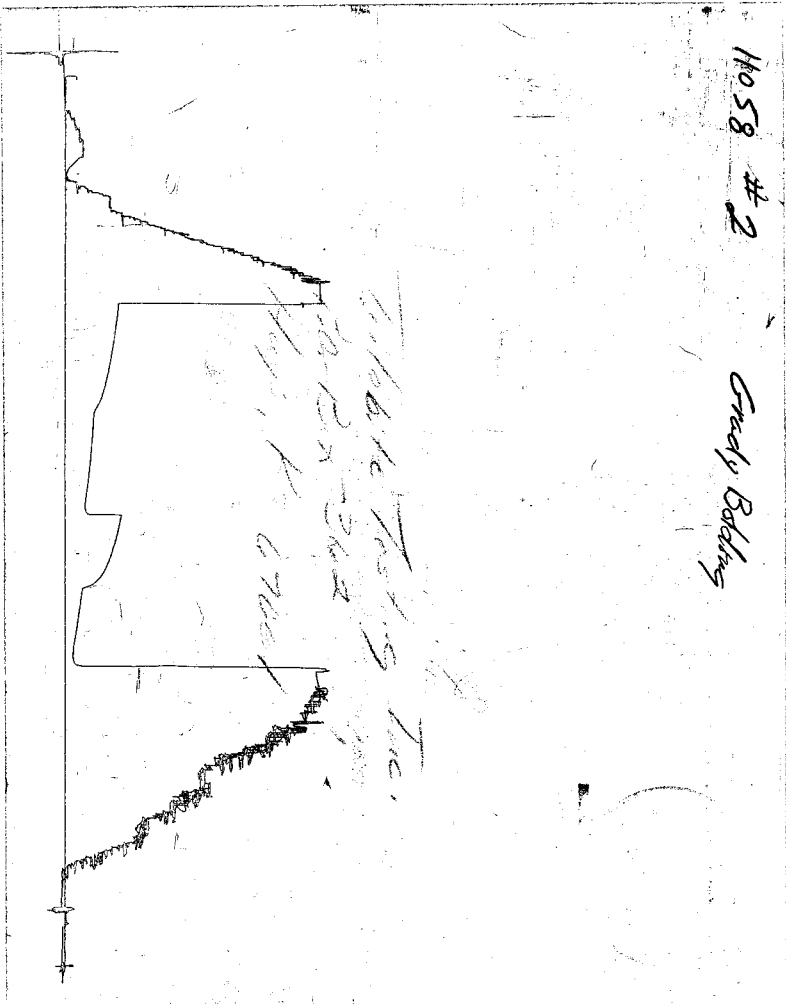
	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1572</u>	PSI	Recorder No.	<u>6753</u>	Test X <u>\$ 700.00</u>
(B) First Initial Flow Pressure	<u>42</u>	PSI	(depth)	<u>3211'</u>	Elec. Rec. X <u>\$ 150.00</u>
(C) First Final Flow Pressure	<u>112</u>	PSI	Recorder No.	<u>11058</u>	Jars _____
(D) Initial Shut-In Pressure	<u>387</u>	PSI	(depth)	<u>3225</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>116</u>	PSI	Recorder No.		Circ Sub X <u>N/C</u>
(F) Second Final Flow Pressure	<u>183</u>	PSI	(depth)		Sampler _____
(G) Final Shut-In Pressure	<u>359</u>	PSI	Initial Opening	<u>45</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1536</u>	PSI	Initial Shut-In	<u>45</u>	Ext. Packer _____
			Final Flow	<u>60</u>	Shale Packer <u>95.20</u>
			Final Shut-In	<u>60</u>	Mileage <u>116.15 mi</u> <u>\$ 416.00</u>
			T-On Location	<u>21:00 p.m.</u>	Sub Total: <u>\$ 985.20</u>
			T-Started	<u>22:30 p.m.</u>	Std. By <u>2 hr @ 30 per hr \$ 60.00</u>
			T-Open	<u>01:05 A.M.</u>	Other _____
			T-Pulled	<u>04:35 A.M.</u>	Total: <u>\$ 1005.20</u>
			T-Out	<u>07:10 A.M.</u>	

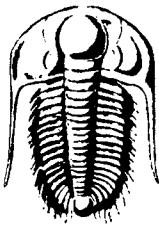
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Approved By [Signature]
 Our Representative [Signature]

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 17765

12/02

Test Ticket

Well Name & No. <u>Rogers #1</u>	Test No. <u>#3</u>	Date <u>1-5-04</u>
Company <u>Grady Bolding Corp.</u>	Zone Tested <u>KC</u>	
Address <u>P.O. Box 486 Ellinwood, KS 67526</u>	Elevation <u>1893'</u>	KB <u>1888'</u> GL
Co. Rep / Geo. <u>Jim Musgrove</u>	Cont. <u>Vonfeldt #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>20</u> Twp. <u>19</u> Rge. <u>14</u> Co. <u>Barton</u> State <u>Ks</u>		
No. of Copies <u>Norm.</u> Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested <u>3237'</u>	<u>3282'</u>	Initial Str Wt./Lbs. <u>36,000</u>	Unseated Str Wt./Lbs. <u>36,000</u>
Anchor Length _____	<u>45'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth _____	<u>3232'</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth _____	<u>3237'</u>	Hole Size 7 7/8" ☒	Rubber Size 6 3/4" ☒
Total Depth _____	<u>3282'</u>	Wt. Pipe Run _____	Drill Collar Run _____
Mud Wt. <u>9.0</u> LCM <u>Ø</u> Vis. <u>53</u> WL <u>10.4</u>		Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3230'</u>
Blow Description <u>1/2" in @ open, built to 1 1/4" in.</u>			
<u>No return</u>			
<u>1/4" in. @ open, blew throughout</u>			
<u>No return</u>			

Recovery - Total Feet <u>10'</u>	GIP _____	Ft. in DC _____	Ft. in DP <u>10'</u>
Rec. <u>10'</u>	Feet of <u>mud</u>	<u>100 to m</u>	
Rec. _____	Feet of _____		
Rec. _____	Feet of _____		
Rec. _____	Feet of _____		
Rec. _____	Feet of _____		
BHT <u>93°</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery <u>5400</u>	Chlorides <u>5400</u> ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1607</u> PSI	Recorder No. <u>6753</u>	Test X <u>\$ 700.00</u>
(B) First Initial Flow Pressure	<u>18</u> PSI	(depth) <u>3238'</u>	Elec. Rec. X <u>\$ 150.00</u>
(C) First Final Flow Pressure	<u>20</u> PSI	Recorder No. <u>11058</u>	Jars _____
(D) Initial Shut-In Pressure	<u>345</u> PSI	(depth) <u>3277'</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>20</u> PSI	Recorder No. _____	Circ Sub <u>X N/C</u>
(F) Second Final Flow Pressure	<u>22</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>382</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1517</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
		Final Flow <u>45</u>	Shale Packer _____
		Final Shut-In <u>60</u>	Mileage <u>X 12.1 mi</u> <u>\$ 12.00</u>
		T-On Location <u>16:25 p.m.</u>	Sub Total: <u>\$ 860.00</u>
		T-Started <u>17:25 p.m.</u>	Std. By _____
		T-Open <u>19:00 p.m.</u>	Other _____
		T-Pulled <u>21:45 p.m.</u>	Total: <u>\$ 860.00</u>
		T-Out <u>00:00 a.m.</u>	

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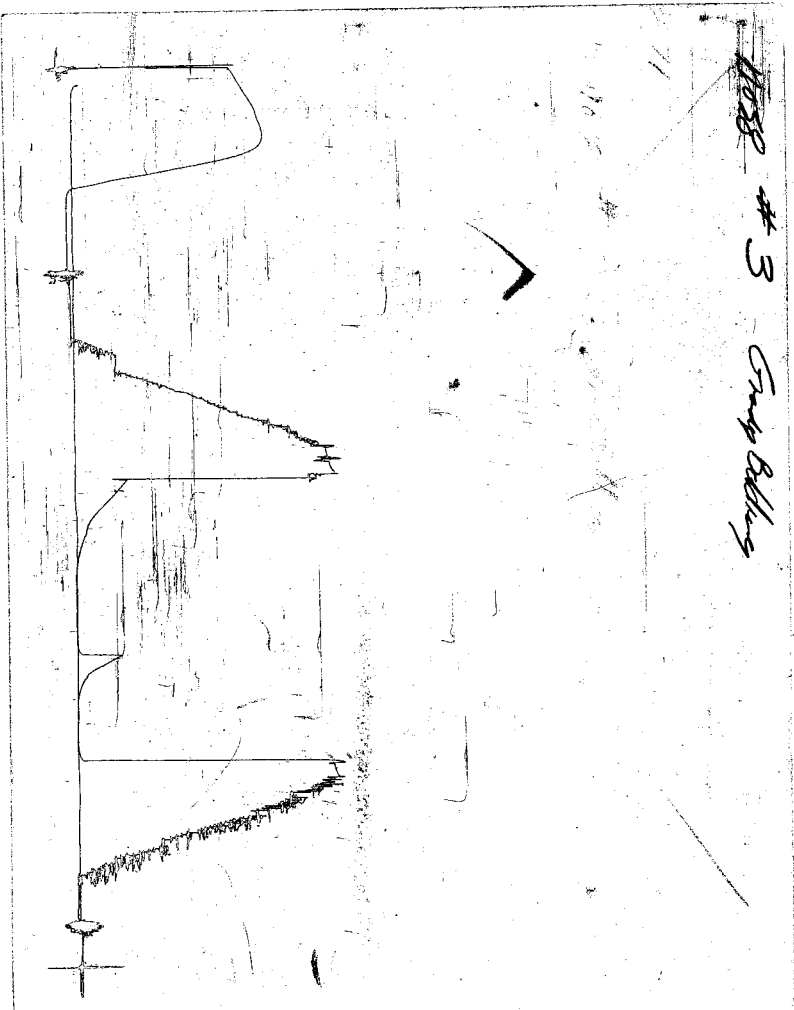
Approved By [Signature]

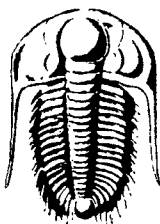
Our Representative [Signature]

CHART PAGE

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

1058 #3 Group Belling





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 17766

12/02

Test Ticket

Well Name & No. <u>Rogers #1</u>	Test No. <u>#4</u>	Date <u>1-6-04</u>
Company <u>Grady Bolding Corp</u>	Zone Tested <u>Arbuckle</u>	
Address <u>P.O. Box 486 Ellinwood, KS 67526</u>	Elevation <u>1893'</u> KB <u>1888'</u>	GL
Co. Rep / Geo. <u>Jim Musgrave</u>	Cont. <u>VonFeldt #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>20</u> Twp. <u>19</u> Rge. <u>14</u> Co. <u>Barton</u>	State <u>KS</u>	
No. of Copies <u>1</u> Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested <u>3538'</u>	<u>3547'</u>	Initial Str Wt./Lbs. <u>38,000</u>	Unseated Str Wt/Lbs. <u>38,000</u>
Anchor Length _____	<u>9'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth _____	<u>3533'</u>	Tool Weight <u>1,500</u>	
Bottom Packer Depth _____	<u>3538'</u>	Hole Size 7 7/8" <u>✓</u>	Rubber Size 6 3/4" <u>✓</u>
Total Depth _____	<u>3547'</u>	Wt. Pipe Run _____	Drill Collar Run _____
Mud Wt. <u>8.8</u> LCM <u>Ø</u> Vis. <u>55</u> WL <u>9.6</u>		Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3543'</u>
Blow Description <u>B.O.B. in 4 min, started dying in 10 min, Flush tool after 15 min, died back to 2' in</u>			
<u>No return</u>			
<u>B.O.B. in 6 min, started to die in 10 min, Flush tool after 15 min, died back to 2' in.</u>			

Recovery - Total Feet <u>270'</u>	GIP <u>750'</u>	Ft. in DC _____	Ft. in DP <u>270'</u>
Rec. <u>200'</u>	Feet of <u>C90</u>	<u>30%g 70% O</u>	
Rec. <u>70'</u>	Feet of <u>HOCgm</u>	<u>35%O 30%g 35% m</u>	
Rec. _____	Feet of _____		
Rec. _____	Feet of _____		
Rec. _____	Feet of _____		
BHT <u>109°</u>	°F Gravity <u>35</u>	°API D @ <u>60°</u>	°F Corrected Gravity <u>35</u> °API
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery <u>7,600</u>	Chlorides <u>7,600</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1786</u> PSI	Alpine	Recorder No. <u>6753</u>	Test X <u>700.00</u>
(B) First Initial Flow Pressure	<u>48</u> PSI		(depth) <u>3539</u>	Elec. Rec. X <u>150.00</u>
(C) First Final Flow Pressure	<u>66</u> PSI		Recorder No. <u>11058</u>	Jars _____
(D) Initial Shut-In Pressure	<u>559</u> PSI		(depth) _____	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>78</u> PSI		Recorder No. _____	Circ Sub X <u>N/C</u>
(F) Second Final Flow Pressure	<u>118</u> PSI		(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>357</u> PSI	Initial Opening <u>30</u>	Straddle _____	
(Q) Final Hydrostatic Mud	<u>1727</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____	
		Final Flow <u>30</u>	Shale Packer _____	
		Final Shut-In <u>45</u>	Mileage <u>10.1 mi</u> <u>\$110.00</u>	
		T-On Location <u>21:40 p.m.</u>	Sub Total: <u>\$860.00</u>	
		T-Started <u>22:1 p.m.</u>	Std. By _____	
		T-Open <u>00:00 A.M.</u>	Other _____	
		T-Pulled <u>02:15 A.M.</u>	Total: <u>\$860.00</u>	
		T-Out <u>05:45 A.M.</u>		

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Approved By _____

Our Representative _____