

DRILL STEM TEST REPORT

Prepared For: **Barton Exploration Inc.**

623 W 16th
Russell KS 67665

ATTN: Jim Musgrove

30-13s-16w Ellis KS

Schmidtberger Twin

Start Date: 2001.08.28 @ 19:30:00

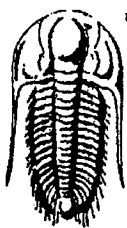
End Date: 2001.08.29 @ 02:00:00

Job Ticket #: 14788 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

Barton Exploration Inc.

623 W 16th
Russell KS 67665

ATTN: Jim Musgrove

Schmidtberger Twin

30-13s-16w Ellis KS

Job Ticket: 14788

DST#: 1

Test Start: 2001.08.28 @ 19:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:05:00

Time Test Ended: 02:00:00

Interval: **3478.00 ft (KB) To 3512.00 ft (KB) (TVD)**

Total Depth: **3512.00 ft (KB) (TVD)**

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

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Reference Elevations: 1986.00 ft (KB)

1981.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 3302

Press@RunDepth: psig @ ft (KB)

Start Date: 2001.08.25

End Date:

2001.08.25

Start Time: 10:36:51

End Time:

19:04:21

Capacity: 7000.00 psig

Last Calib.: 2001.01.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Good blow bob in 20 min
IS: No blow
FF: Good blow bob in 35 min
FS: No blow

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
185.00	Salt Water	2.60
155.00	Water cut mud 35%w 65%m	2.17

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Barton Exploration Inc.

Schmidtberger Twin

623 W 16th
Russell KS 67665

30-13s-16w Ellis KS

Job Ticket: 14788

DST#: 1

ATTN: Jim Musgrove

Test Start: 2001.08.28 @ 19:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	Salt Water	2.595
155.00	Water cut mud 35%w 65%m	2.174

Total Length: 340.00 ft

Total Volume: 4.769 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

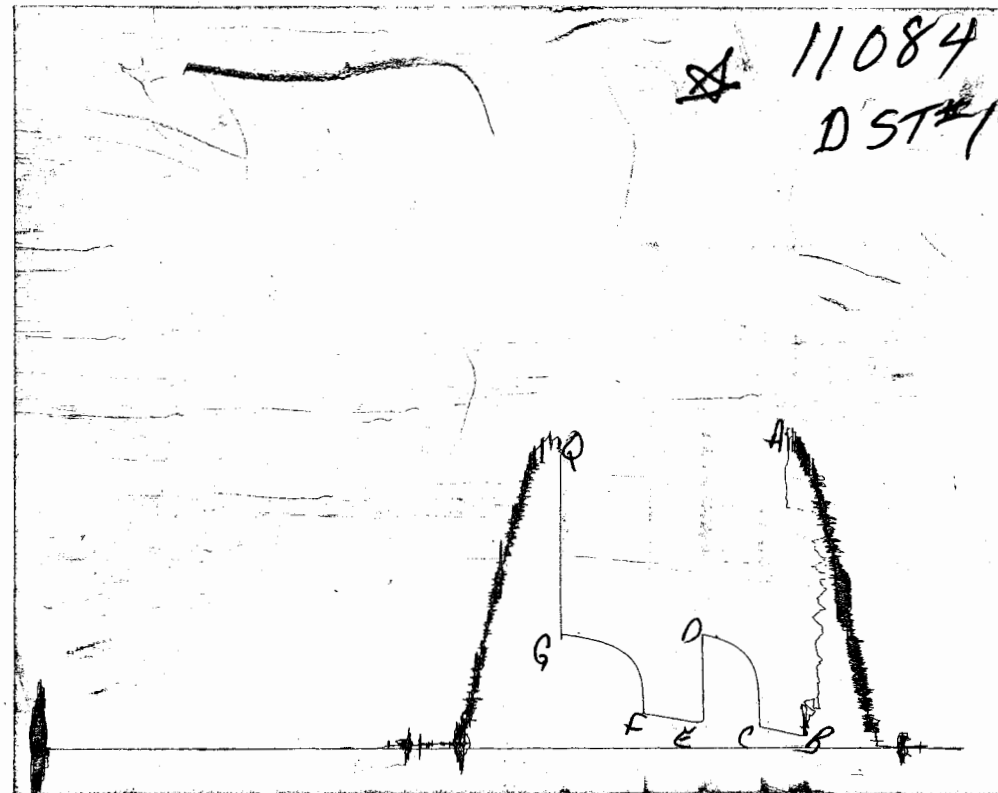
Laboratory Name:

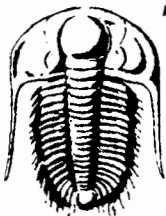
Laboratory Location:

Recovery Comments:

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14788

Test Ticket

Well Name & No. <u>SCHMIDTBERGER TWIN</u>	Test No. <u>#1</u>	Date <u>8-28-01</u>
Company <u>BARTON EXPLORATION INC.</u>	Zone Tested <u>ARB</u>	
Address <u>623 W. 16TH ST. RUSSELL, KS 67665</u>	Elevation <u>1986</u> KB <u>1981</u> GL	
Co. Rep / Geo. <u>JIM MUSGROVE</u>	Cont. <u>VONFELDT #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>30</u> Twp. <u>13S</u> Rge. <u>16W</u>	Co. <u>ELLIS</u> State <u>KS</u>	
No. of Copies <u> </u> Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u>	Evaluation (Y, N) <u> </u>

Interval Tested <u>3478 To 3512</u>	Initial Str Wt./Lbs. <u>35,000</u>	Unseated Str Wt./Lbs. <u>36,000</u>
Anchor Length <u>34</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>45,000</u>
Top Packer Depth <u>3473</u>	Tool Weight <u>2,500</u>	
Bottom Packer Depth <u>3478</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>3512</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>0</u>
Mud Wt. <u>9.4</u> LCM <u>TR</u> Vis. <u>48</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3485</u>
Blow Description <u>IF-GOOD BLOW B.O.B. IN 20 MIN</u>	<u>ISI-NO BLOW</u>	
<u>F.F-GOOD BLOW B.O.B. IN 35 MIN</u>	<u>FSI-NO BLOW</u>	

Recovery — Total Feet <u>340</u>	GIP <u> </u>	Ft. in DC <u>0</u>	Ft. in DP <u>340</u>
Rec. <u>155</u> Feet Of <u>W.C.M (W) OIL SPECKS</u>	%gas <u> </u>	%oil <u>35</u>	%water <u>65</u>
Rec. <u>185</u> Feet Of <u>SALT WATER</u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u>
BHT <u>106</u> °F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u>	°API <u> </u>
RW <u>36</u> @ <u>78</u> °F	Chlorides <u>17,000</u> ppm	Recovery <u> </u>	Chlorides <u> </u> ppm System

(A) Initial Hydrostatic Mud <u>1735</u>	AK-1 <u> </u> Alpine <u> </u>	PSI Recorder No. <u>11084</u>	T-On Location <u>18:00</u>
(B) First Initial Flow Pressure <u>66</u>		PSI (depth) <u>3480</u>	T-Started <u>19:30</u>
(C) First Final Flow Pressure <u>121</u>		PSI Recorder No. <u>13308</u>	T-Open <u>21:05</u>
(D) Initial Shut-In Pressure <u>634</u>		PSI (depth) <u>3509</u>	T-Pulled <u>00:05</u>
(E) Second Initial Flow Pressure <u>132</u>		PSI Recorder No. <u> </u>	T-Out <u>02:00</u>
(F) Second Final Flow Pressure <u>197</u>		PSI (depth) <u> </u>	T-Off Location <u>02:30</u>
(G) Final Shut-in Pressure <u>634</u>		PSI Initial Opening <u>30</u>	Test <u>BOTTOM HOLE 700</u>
(Q) Final Hydrostatic Mud <u>1713</u>		PSI Initial Shut-in <u>45</u>	Jars <u> </u>
		Final Flow <u>45</u>	Safety Joint <u> </u>
		Final Shut-in <u>60</u>	Straddle <u> </u>

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Approved By [Signature]

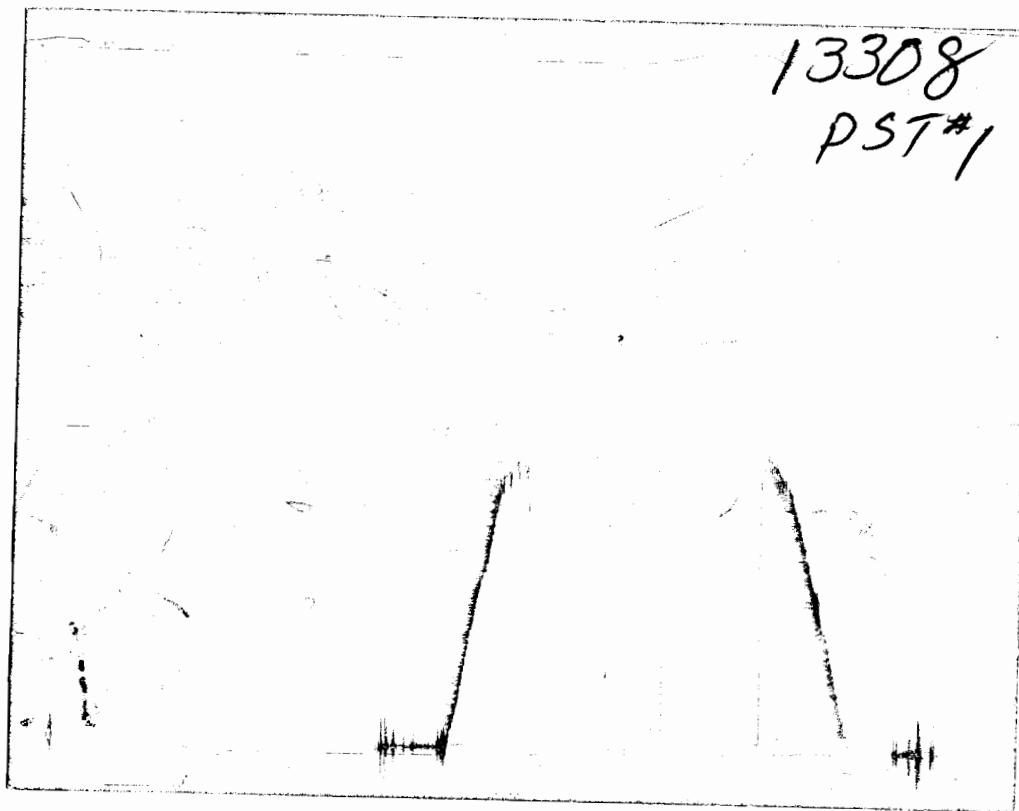
Our Representative [Signature]

Elec. Rec.

Mileage 10

Other

TOTAL PRICE \$ 710



Well Name Schmidtberger
DST Number 1
Recorder Number 11084

A:	<u>1.612</u>	<u>1717</u>
B:	<u>.067</u>	<u>73</u>
C:	<u>.111</u>	<u>121</u>
D:	<u>.586</u>	<u>640</u>
E:	<u>.135</u>	<u>148</u>
F:	<u>.181</u>	<u>198</u>
G:	<u>.590</u>	<u>685</u>
Q:	<u>1.603</u>	<u>1738</u>