

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Computer Inventoried

COPY 29-18-14W

## Drill-Stem Test Data

Well Name & No.	RUSSELL B #4	Test No.	1	Date	10/19/90
Company	CARL BOXBERGER OIL INC	Zone Tested	PLATTSMOUTH		
Address	P.O. BOX 1604 GREAT BEND KANSAS 67530			Elevation	1925
Co. Rep./Geo.	MR J.C. MUSGROVE	Cont.	DUKE DRLG #1	Est. Ft. of Pay	0
Location: Sec.	29	Twp.	18S	Rge.	14W
			Co.	BARTON	State KANSAS

Interval Tested	3102-3120	Drill Pipe Size	4.5" FH
Anchor Length	18	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	3092	Hole Size — 7 7/8"	Rubber Size — 6 3/4"
Bottom Packer Depth	3102	Wt. Pipe I.D. — 2.7 Ft. Run	847
Total Depth	3120	Drill Collar — 2.25 Ft. Run	0
Mud Wt.	8.9 lb/gal.	Viscosity	43
		Filtrate	10.4
Tool Open @	4:03 AM	Initial Blow	SLID TOOL 3' WHEN OPENED - 2.5" BLOW DECREASING TO 2"

Final Blow VERY WEAK SURFACE BLOW-FLUSHED TOOL-GOT SURGE THEN WEAK SURFACE BLOW

Recovery — Total Feet	65	Flush Tool?	
Rec.	65	Feet of	SLIGHTLY OIL SPECKED WATERY MUD
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	

BHT 102 °F Gravity °API @ 0 °F Corrected Gravity 0 °API

RW	@	°F Chlorides	ppm Recovery	Chlorides	ppm System
(A) Initial Hydrostatic Mud	1596.3	PSI	Ak1 Recorder No.	13277	Range 41.25
(B) First Initial Flow Pressure	55.3	PSI	@ (depth)	3105	w/Clock No. 27501
(C) First Final Flow Pressure	55.3	PSI	Ak1 Recorder No.	24174	Range 3350
(D) Initial Shut-In Pressure	961.2	PSI	@ (depth)	3119	w/Clock No. 19960
(E) Second Initial Flow Pressure	50.2	PSI	Ak1 Recorder No.	0	Range 0
(F) Second Final Flow Pressure	50.2	PSI	@ (depth)	0	w/Clock No. 0
(G) Final Shut-In Pressure	933.4	PSI	Initial Opening	30	
(H) Final Hydrostatic Mud	1480.9	PSI	Initial Shut-In	30	
			Final Flow	30	
			Final Shut-In	30	

MR PAUL SIMPSON

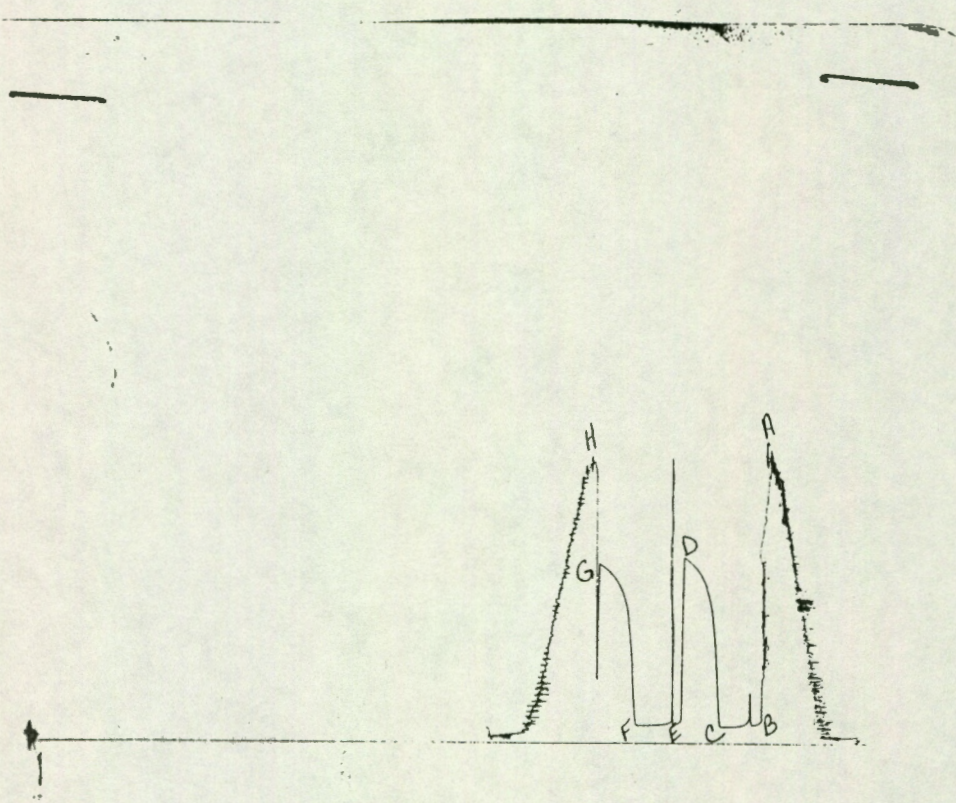
550

Our Representative \_\_\_\_\_

TOTAL PRICE \$ \_\_\_\_\_

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DST# 1 RECORDER# 13277



This is an actual photograph of recorder chart.

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POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	1590	1596.3	PSI
(B) First Initial Flow Pressure.....	49	55.3	PSI
(C) First Final Flow Pressure.....	49	55.3	PSI
(D) Initial Closed-in Pressure.....	953	961.2	PSI
(E) Second Initial Flow Pressure.....	49	50.2	PSI
(F) Second Final Flow Pressure.....	49	50.2	PSI
(G) Final Closed-in Pressure.....	928	933.4	PSI
(H) Final Hydrostatic Mud.....	1481	1480.9	PSI

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## TEST TICKET

No 3351

Well Name & No. Russell B #4 Test No. 1 Date 10/19/90  
 Company Carl Berger Oil Inc Zone Tested Plattsmouth  
 Address PO Box 1604 Great Bend KS 67530 Elevation 1925  
 Co. Rep. / Geo. SC. Murglove cont. Duke #1 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 29 Twp. 18s Rge. 14w Co. Barton State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_

Interval Tested 3102-3120 Drill Pipe Size 4 1/2" FH  
 Anchor Length 18 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
 Top Packer Depth 3097 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 3102 Wt. Pipe I.D. — 2.7 Ft. Run 847  
 Total Depth 3120 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 8.9 lb/gal. Viscosity 43 Filtrate 10.4  
 Tool Open @ 4:03 AM Initial Blow slotted 3' when opened - 2 1/2" blow decreasing to 2"  
 Final Blow 1/2 weak surface blow - flushed tool - got surge 1 in - weak surface blow

Recovery — Total Feet \_\_\_\_\_ Flush Tool? \_\_\_\_\_  
 Rec. 65 Feet of SI oil specked watery mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

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BHT 102 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System  
 (A) Initial Hydrostatic Mud 1590 PSI Ak1 Recorder No. 13277 Range 4125  
 (B) First Initial Flow Pressure 49 PSI @ (depth) 3105 w/Clock No. 27501  
 (C) First Final Flow Pressure 49 PSI AK1 Recorder No. 24174 Range 3350  
 (D) Initial Shut-in Pressure 953 PSI @ (depth) 3119 w/Clock No. 19960  
 (E) Second Initial Flow Pressure 49 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 49 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-in Pressure ~~928~~ 928 PSI Initial Opening 30 Test 550  
 (H) Final Hydrostatic Mud 1481 PSI Initial Shut-in 30 Jars \_\_\_\_\_  
 Final Flow 30 Safety Joint \_\_\_\_\_  
 Final Shut-in 30 Straddle \_\_\_\_\_

Approved By [Signature]  
 Our Representative Paul Simpson

Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ 550

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## TEST TICKET

No 3352

Well Name & No. <u>Russell B #4</u>	Test No. <u>2</u>	Date <u>10/19/90</u>
Company <u>Carl Boxberger Oil Inc</u>	Zone Tested <u>LKC</u>	
Address <u>P.O. Box 1604 Great Bend Ks 67530</u>	Elevation <u>1925</u>	
Co. Rep./Geo. <u>JC Musgrave</u>	Cont. <u>Duke #1</u>	Est. Ft. of Pay _____
Location: Sec. <u>29</u>	Twp. <u>18s</u>	Rge. <u>14w</u>
Co. <u>Barton</u>		State <u>Ks</u>
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____

Interval Tested <u>3244-3270</u>	Drill Pipe Size <u>4 1/2 FT</u>
Anchor Length <u>26</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>3239</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>3244</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>847</u>
Total Depth <u>3270</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>8.8</u> lb/gal.	Viscosity <u>41</u> Filtrate <u>8.8</u>
Tool Open @ <u>10:00 AM</u>	Initial Blow <u>slid tool 3' - 1" blow building to 2 1/2"</u>
Final Blow <u>no blow - flush tool - no blow</u>	

Recovery — Total Feet <u>30</u>	Flush Tool? _____
Rec. <u>40</u> Feet of <u>GIP</u>	
Rec. <u>30</u> Feet of <u>very slightly oil speckled</u>	
Rec. _____ Feet of _____	
Rec. _____ Feet of _____	
Rec. _____ Feet of _____	
BHT <u>107</u> °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API	

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RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System	
(A) Initial Hydrostatic Mud <u>1623</u> PSI	AK1 Recorder No. <u>13277</u> Range <u>4150</u>
(B) First Initial Flow Pressure <u>25</u> PSI	@ (depth) <u>3247</u> w/Clock No. <u>357 19960</u>
(C) First Final Flow Pressure <u>33</u> PSI	AK1 Recorder No. <u>24174</u> Range <u>3350</u>
(D) Initial Shut-In Pressure <u>198</u> PSI	@ (depth) <u>3269</u> w/Clock No. <u>14389</u>
(E) Second Initial Flow Pressure <u>41</u> PSI	AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure <u>41</u> PSI	@ (depth) _____ w/Clock No. _____
(G) Final Shut-In Pressure <u>124</u> PSI	Initial Opening <u>45</u> Test <u>550</u>
(H) Final Hydrostatic Mud <u>1598</u> PSI	Initial Shut-In <u>45</u> Jars _____
	Final Flow <u>30</u> Safety Joint _____
	Final Shut-In <u>30</u> Straddle _____

Approved By [Signature]

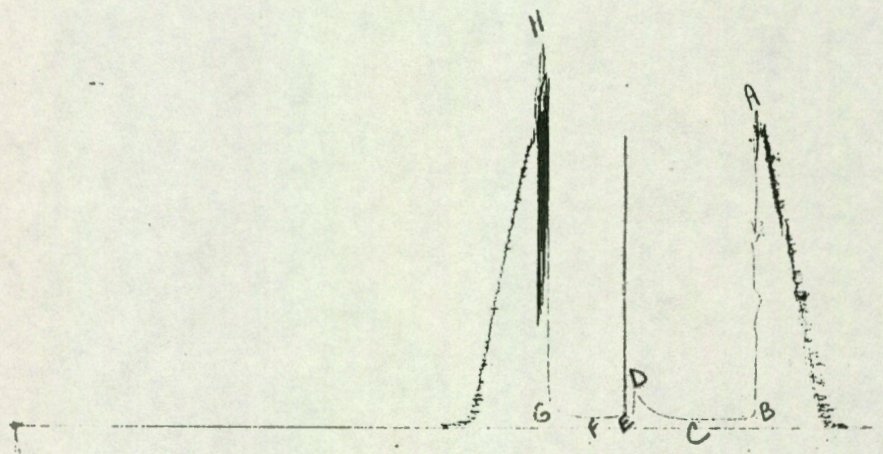
Our Representative [Signature]

Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_

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DST# X RECORDER# 13277

A2  
13277



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POINT	Field Reading	Office Reading	PSI
(A) Initial Hydrostatic Mud.....	1623	1622.0	PSI
(B) First Initial Flow Pressure.....	25	26.1	PSI
(C) First Final Flow Pressure.....	33	34.5	PSI
(D) Initial Closed-in Pressure.....	198	201.2	PSI
(E) Second Initial Flow Pressure.....	41	44.5	PSI
(F) Second Final Flow Pressure.....	41	44.5	PSI
(G) Final Closed-In Pressure.....	124	131.5	PSI
(H) Final Hydrostatic Mud.....	1598	1590.6	PSI

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## Drill-Stem Test Data

Well Name & No.	RUSSELL B #4	Test No.	2	Date	10/19/90
Company	CARL BOXBERGER OIL INC	Zone Tested	LANSING-KS CITY		
Address	P.O. BOX 1604 GREAT BEND KANSAS 67530		Elevation	1925	
Co. Rep./Geo.	MR J.C. MUSGROVE	Cont.	DUKE DRLG #1	Est. Ft. of Pay	0
Location: Sec.	29	Twp.	18S	Rge.	14W
		Co.	BARTON	State	KANSAS

Interval Tested	3244-3270	Drill Pipe Size	4.5" FH		
Anchor Length	26	Top Choke — 1"	Bottom Choke — 1/4"		
Top Packer Depth	3239	Hole Size — 7 7/8"	Rubber Size — 6 3/4"		
Bottom Packer Depth	3244	Wt. Pipe I.D. — 2.7 Ft. Run	847		
Total Depth	3270	Drill Collar — 2.25 Ft. Run	0		
Mud Wt.	8.8 lb/gal.	Viscosity	41	Filtrate	8.8
Tool Open @	10:00 PM	Initial Blow	SLID TOOL 3' - 1" BLOW BUILDING TO 2.5"		

Final Blow NO BLOW-FLUSHED TOOL-NO BLOW

Recovery — Total Feet	30	Flush Tool?							
Rec.	40	Feet of	GAS IN PIPE						
Rec.	30	Feet of	VERY SLIGHTLY OIL SPECKED MUD						
Rec.	0	Feet of							
Rec.	0	Feet of							
Rec.	0	Feet of							
BHT	104	°F	Gravty	°API @	0	°F	Corrected Gravty	0	°API
RW	@	°F	Chlorides	ppm	Recovery	Chlorides	ppm	System	
(A) Initial Hydrostatic Mud	1622.0	PSI	Ak1 Recorder No.	13277	Range	4150			
(B) First Initial Flow Pressure	26.1	PSI	@ (depth)	3247	w/Clock No.	19960			
(C) First Final Flow Pressure	34.5	PSI	Ak1 Recorder No.	24174	Range	3350			
(D) Initial Shut-In Pressure	201.2	PSI	@ (depth)	3269	w/Clock No.	14389			
(E) Second Initial Flow Pressure	44.5	PSI	Ak1 Recorder No.	0	Range	0			
(F) Second Final Flow Pressure	44.5	PSI	@ (depth)	0	w/Clock No.	0			
(G) Final Shut-In Pressure	131.2	PSI	Initial Opening	45					
(H) Final Hydrostatic Mud	1590.6	PSI	Initial Shut-In	45					
		Final Flow	30						
		Final Shut-In	30						

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PAUL SIMPSON

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Our Representative

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DRILLER'S WELL LOG

DATE COMMENCED: October 15, 1990  
DATE COMPLETED: October 21, 1990

Carl Boxberger Oil, Inc.  
RUSSELL B-4  
Approx. SE NE SW  
Sec. 29, T18S, R14W  
Barton County, Ks.

0 - 770' Surface Soil, Clay  
770 - 909' Red Bed  
909 - 941' Anhydrite  
941 - 2878' Shale & Lime  
2878 - 3162' Lime  
3162 - 3196' Shale & Lime  
3196 - 3240' Shale  
3240 - 3249' Lime & Shale  
3249 - 3476' Lime  
3476 - 3549' Shale, Lime, Chert, Sand  
3549 - 3595' Dolomite  
3595' RTD

ELEVATION: 1922 K.B.

Surface Pipe: Set used  
8-5/8", 24# pipe @914'  
w/400 sacks 60/40 pozmix  
2% gel 3% cc.

A F F I D A V I T

STATE OF KANSAS  
COUNTY OF BARTON) ss

Leonard Williamson of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

*Leonard Williamson*

Subscribed and sworn to before me this 23 day of October 1990.

DOROTHY M. HAGUE  
NOTARY PUBLIC  
STATE OF KANSAS  
App'l. Exp. 5-29-94

*Dorothy M Hague*  
Notary Public

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