

CONFIDENTIAL

RELEASED ORIGINAL  
AUG 2 1991

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 6111

Name: N-B company, Inc.

Address P. O. Box 506

City/State/Zip Russell, KS 67665-0506

Purchaser: \_\_\_\_\_

Operator Contact Person: Kyle B. Branum

Phone (913) -483-5345

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Peter Moreland

Designate Type of Completion

New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

If **OWMO**: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

4/26/90 5/5/90

Spud Date Date/Reached TD Completion Date

API NO. 15- 185-22,673-0000

County Stafford FROM CONFIDENTIAL

NE SE NW \_\_\_\_\_ Sec. 27 Twp. 25S Rge. 13  East West

3630 Ft. North from Southeast Corner of Section

2970 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

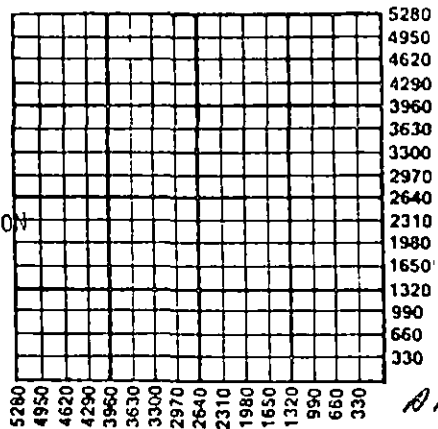
Lease Name Russell Well # 1-27

Field Name \_\_\_\_\_

Producing Formation \_\_\_\_\_

Elevation: Ground 1925' KB 1920'

Total Depth 4350' PBD \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 251 Feet:

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx "mt."

RECEIVED  
STATE CORPORATION COMMISSION  
7-16-90  
JUL 16 1990  
CONSERVATION DIVISION  
Wichita, Kansas

**INSTRUCTIONS:** This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-111 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Peter Moreland

Title VP Danmore Oil Date 7/13/90

Subscribed and sworn to before me this 13 day of July, 19 90

Notary Public \_\_\_\_\_

Date Commission Expires 9-24-90

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

PI



# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

# ORIGINAL

## Drill-Stem Test Data **CONFIDENTIAL**

Well Name & No.	RUSSELL #1-27	Test No.	1	Date	5/1/90
Company	N-B COMPANY INC	Zone Tested	MARMATON		
Address	P.O. BOX 506 RUSSELL KS 67665	Elevation	1930 KB		
Co. Rep./Geo.	MY KYLE BRANUM	Cont.	EMPHASIS RIG #5	Est. Ft. of Pay	18
Location: Sec.	27	Twp.	25S	Rge.	13W
		Co.	STAFFORD	State	KANSAS

Interval Tested	4048-4075	Drill Pipe Size	4.5" XH
Anchor Length	27	Top Choke - 1"	Bottom Choke - 3/4"
Top Packer Depth	4043	Hole Size - 7 7/8"	Rubber Size - 6 3/4"
Bottom Packer Depth	4048	Wt. Pipe I.D. - 2.7 Ft. Run	0
Total Depth	4075	Drill Collar - 2.25 Ft. Run	0
Mud Wt.	9.2 lb/gal.	Viscosity	43
		Filtrate	11.2

Tool Open @ 6:11 PM Initial Blow FAIR BLOW AT 2" - THEN BUILDING TO BOTTOM  
OF BUCKET - ISI: BLED 2" FOR 5 MIN - NO BLOW BACK

Final Blow GOOD BLOW OFF BOTTOM OF BUCKET IN 10 MINUTES - BLED  
2" FOR 5 MIN - BLOW BACK WEAK AT SURFACE IN 50 MIN - CONT. THROUGHOUT

Recovery - Total Feet	120	Flush Tool?	
Rec. 60	Feet of	SLIGHTLY OIL CUT MUD - 10% OIL / 10% GAS / 80% MUD	
Rec. 60	Feet of	SLIGHTLY OIL CUT MUDDY WTR - 40% WTR / 10% OIL / 10% GAS / 40%	
Rec. 0	Feet of		
Rec. 330	Feet of	GAS IN PIPE	
Rec. 0	Feet of		

BHT 120 °F Gravity °API @ 0 °F corrected Gravity 0 °API

RW @ °F Chlorides ppm Recovery Chlorides 10000 ppm System

(A) Initial Hydrostatic Mud	1981.4	PSI	AK1 Recorder No.	13615	Range	4575
(B) First Initial Flow Pressure	20.9	PSI	@ (depth)	4050	w/Clock No.	14389
(C) First Final Flow Pressure	23.6	PSI	AK1 Recorder No.	10248	Range	4400
(D) Initial Shut-In Pressure	1175.4	PSI	@ (depth)	4072	w/Clock No.	27567
(E) Second Initial Flow Pressure	51.2	PSI	AK1 Recorder No.	0	Range	0
(F) Second Final Flow Pressure	63.5	PSI	@ (depth)	0	w/Clock No.	0
(G) Final Shut-In Pressure	1430.2	PSI	Initial Opening	15		
(H) Final Hydrostatic Mud	1951.2	PSI	Initial Shut-In	30		

Final Flow 45  
Final Shut-In 90

RELEASED

AUG 21 1991

FROM CONFIDENTIAL

MR ROGER SELLS

400

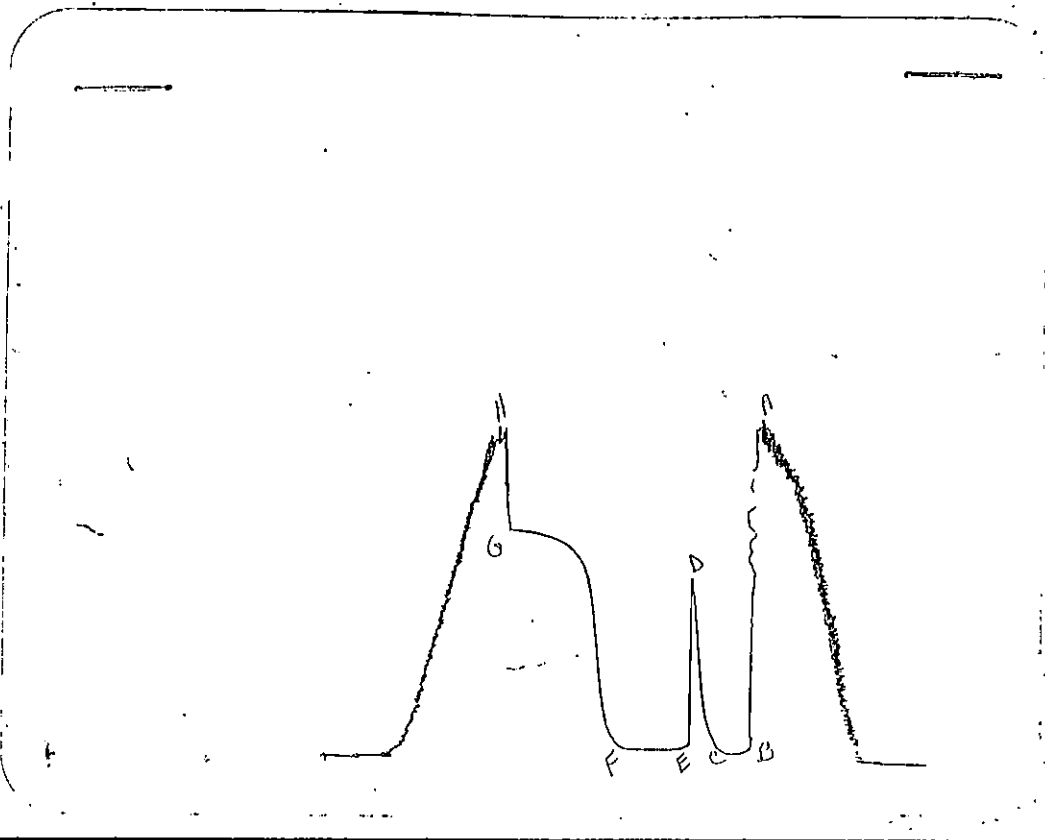
Our Representative \_\_\_\_\_

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

ORIGINAL

DST# 1

RECORDER# 131645



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	1980	1981.4	PSI
(B) First Initial Flow Pressure.....	22	20.9	PSI
(C) First Final Flow Pressure.....	22	23.6	PSI
(D) Initial Closed-In Pressure.....	1173	1175.4	PSI
(E) Second Initial Flow Pressure.....	45	51.2	PSI
(F) Second Final Flow Pressure.....	56	63.5	PSI
(G) Final Closed-In Pressure.....	1428	1430.2	PSI
(H) Final Hydrostatic Mud.....	1947	1951.2	PSI

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

## TEST TICKET

ORIGINAL No. 2866

Well Name & No. Russell 1-27 Test No. 1 Date 5-1-50  
 Company N-B Company Inc. 759125 Zone Tested Warm  
 Address P.O. Box 506 Russell, Ks. Elevation 1930 M.B.  
 Co. Rep./Geo. Kyle Branum Cont. Emphasis Rig #5 Est. Ft. of Pay 18'  
 Location: Sec. 27 Twp. 25 Rge. 13 Co. Stafford State Ks  
 No. of Copies 4 Distribution Sheet Yes  No Turnkey Yes  No

Interval Tested 4048-4075 Drill Pipe Size 4 1/2 XH  
 Anchor Length 27' Top Choke — 1" Bottom Choke — 3/4"  
 Top Packer Depth 4043 Hole Size — 7 7/8" Rubber Size — 6 3/4"  
 Bottom Packer Depth 4048 Wt. Pipe I.D. — 2.7 Ft. Run  
 Total Depth 4075 Drill Collar — 2.25 Ft. Run

Mud Wt. 9.2 lb/gal. Viscosity 43 Filtrate 11.2

Tool Open @ 6:11 PM Initial Blow fair blow @ 2" then building to bottom of bucket @ station. Bled 2" 5 min. No blow back  
 Final Blow good blow off bottom of bucket in 10 min. Bled 2" 5 min. blow back (went at surface) in 50 min. Sanitized then ok.

Recovery — Total Feet 120' Flush Tool? \_\_\_\_\_

Rec. 60 Feet of slightly Oil Cut Mud - 10% Oil / 3 10% gas / 80% W.  
 Rec. 60 Feet of slightly Oil Cut muddy water - 40% water / 10% Oil / 10% gas / 40% W.  
 Rec. 330 Feet of gas  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 120 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10,000 ppm System

(A) Initial Hydrostatic Mud 1980 PSI AK1 Recorder No. 13615 Range 41575  
 (B) First Initial Flow Pressure 22 PSI @ (depth) 4050 w/Clock No. 14389  
 (C) First Final Flow Pressure 22 PSI AK1 Recorder No. 10248 Range 4400  
 (D) Initial Shut-In Pressure 1173 PSI @ (depth) 4072 w/Clock No. 27567  
 (E) Second Initial Flow Pressure 45 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 56 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 1428 PSI Initial Opening 15 Test 400<sup>00</sup>  
 (H) Final Hydrostatic Mud 1947 PSI Initial Shut-In 30 Jars \_\_\_\_\_  
 Final Flow 45 Safety Joint \_\_\_\_\_  
 Final Shut-In 90 Straddle \_\_\_\_\_

Approved By [Signature] Circ. Sub   
 Our Representative [Signature] Sampler \_\_\_\_\_  
 Printcraft Printers - Hays, KS gave white Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ 400<sup>00</sup>

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

# ORIGINAL

## Drill-Stem Test Data

Well Name & No. <u>RUSSELL #1-27</u>	Test No. <u>2</u>	Date <u>5/2/90</u>
Company <u>N-B COMPANY INC</u>	Zone Tested <u>SIMPSON SAND</u>	
Address <u>P.O. BOX 506 RUSSELL KS 67665</u>	Elevation <u>1930 KB</u>	
Co. Rep./Geo <u>MY KYLE BRANUM</u>	Cont. <u>EMPHASIS RIG #5</u>	Est. Ft. of Pay <u>0</u>
Location: Sec. <u>27</u>	Twp. <u>25S</u>	Rge. <u>13W</u> Co. <u>STAFFORD</u> State <u>KANSAS</u>

Interval Tested <u>4182-4226</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>44</u>	Top Choke — 1" _____ Bottom Choke — ¾" _____
Top Packer Depth <u>4177</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>4182</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>0</u>
Total Depth <u>4226</u>	Drill Collar — 2.25 Ft. Run <u>0</u>
Mud Wt. <u>9.2</u> lb/gal.	Viscosity <u>52</u> Filtrate <u>10.4</u>
Tool Open @ <u>5:24 PM</u>	Initial Blow <u>VERY WEAK SURFACE BLOW BUILDING TO</u>
	<u>3/4" - BLEED 2" - NO BLOW BACK</u>
Final Blow <u>VERY WEAK SURFACE BLOW DYING IN 12 MINUTES</u>	

Recovery — Total Feet <u>3</u>	Flush Tool? _____
Rec. <u>3</u> Feet of <u>SLIGHTLY OIL SPECKED MUD</u>	
Rec. <u>0</u> Feet of _____	
Rec. <u>0</u> Feet of _____	
Rec. <u>0</u> Feet of _____	
Rec. <u>0</u> Feet of _____	

BHT <u>0</u> °F Gravity _____	°API @ <u>0</u>	°F Corrected Gravity <u>0</u>	°API _____
RW _____ @ _____ °F	Chlorides _____ ppm Recovery	Chlorides <u>10000</u> ppm System	_____
(A) Initial Hydrostatic Mud <u>2151.6</u> PSI	Ak1 Recorder No. <u>13615</u>	Range <u>4575</u>	
(B) First Initial Flow Pressure <u>30.9</u> PSI	@ (depth) <u>4184</u>	w/Clock No. <u>14389</u>	
(C) First Final Flow Pressure <u>32.8</u> PSI	AK1 Recorder No. <u>10248</u>	Range <u>4400</u>	
(D) Initial Shut-In Pressure <u>60.2</u> PSI	@ (depth) <u>4226</u>	w/Clock No. <u>27567</u>	
(E) Second Initial Flow Pressure <u>34.5</u> PSI	AK1 Recorder No. <u>0</u>	Range <u>0</u>	
(F) Second Final Flow Pressure <u>35.6</u> PSI	@ (depth) <u>0</u>	w/Clock No. <u>0</u>	
(G) Final Shut-In Pressure <u>47.8</u> PSI	Initial Opening <u>15</u>		
(H) Final Hydrostatic Mud <u>2110.3</u> PSI	Initial Shut-In <u>30</u>		
	Final Flow <u>15</u>		
	Final Shut-In <u>30</u>		

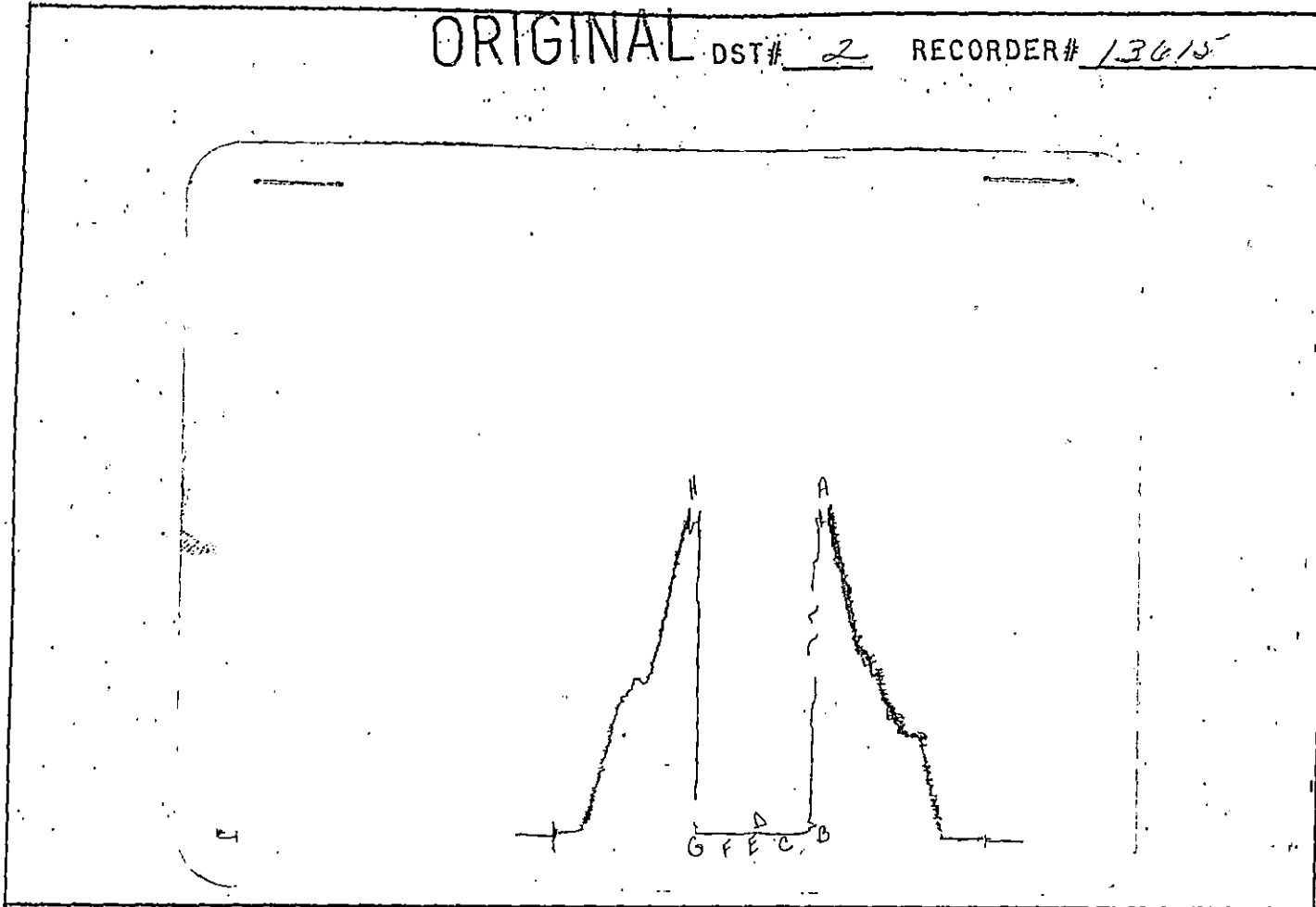
MR ROGER SELLS

400

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

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

ORIGINAL DST# 2 RECORDER# 13615



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	2146	2151.6	PSI
(B) First Initial Flow Pressure.....	33	30.9	PSI
(C) First Final Flow Pressure.....	33	32.8	PSI
(D) Initial Closed-In Pressure.....	56	60.2	PSI
(E) Second Initial Flow Pressure.....	33	34.5	PSI
(F) Second Final Flow Pressure.....	33	35.6	PSI
(G) Final Closed-In Pressure.....	45	47.8	PSI
(H) Final Hydrostatic Mud.....	2102	2110.3	PSI

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

## TEST TICKET

ORIGINAL No. 2867

Well Name & No. Russell 1-27 Test No. 2 Date 5-2-90  
 Company N-B Company Inc. T59125 Zone Tested Simpson Sand  
 Address P.O. Box 506 Russell, Ks. Elevation 1930 KR  
 Co. Rep. / Geo. Kyle Branum Cont. Emphasis Rig #5 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 27 Twp. 25 Rge. 13 Co. Stafford State KS  
 No. of Copies 4 Distribution Sheet \_\_\_\_\_ Yes X No Turnkey \_\_\_\_\_ Yes X No

Interval Tested 4182 - 4226 Drill Pipe Size 4 1/2 XH  
 Anchor Length 44 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 1/4" \_\_\_\_\_  
 Top Packer Depth 4177 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 4182 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
 Total Depth 4226 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.2 lb / gal. Viscosity 52 Filtrate 10.4  
 Tool Open @ 5:24 PM Initial Blow very weak surface blow building to 3/4" blow  
— No Blow Back  
 Final Blow very weak surface blow dying in 10 min.

Recovery — Total Feet 3' Flush Tool? \_\_\_\_\_  
 Rec. 3 Feet of slightly oil speckled mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 BHT \_\_\_\_\_ °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10,000 ppm System  
 (A) Initial Hydrostatic Mud 2146 PSI AK1 Recorder No. 13615 Range 4575  
 (B) First Initial Flow Pressure 33 PSI @ (depth) 4184 w/Clock No. 14389  
 (C) First Final Flow Pressure 33 PSI AK1 Recorder No. 10248 Range 4400  
 (D) Initial Shut-In Pressure 56 PSI @ (depth) 4223 w/Clock No. 27567  
 (E) Second Initial Flow Pressure 33 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 33 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 45 PSI Initial Opening 15 Test 400<sup>00</sup>  
 (H) Final Hydrostatic Mud 2102 PSI Initial Shut-In 30 Jars \_\_\_\_\_  
 Final Flow 15 Safety Joint \_\_\_\_\_  
 Final Shut-In 30 Straddle \_\_\_\_\_

Approved By [Signature] Circ. Sub X  
 Our Representative Roger L. Sell Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ 400<sup>00</sup>



# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

## Drill-Stem Test Data

Well Name & No. <u>RUSSELL #1-27</u>	Test No. <u>3</u>	Date <u>5/3/90</u>
Company <u>N-B COMPANY INC</u>	Zone Tested <u>LOWER SIMPSON SAND</u>	
Address <u>P.O. BOX 506 RUSSELL KS 67665</u>	Elevation <u>1930 KB</u>	
Co. Rep./Geo <u>MY KYLE BRANUM</u>	Cont. <u>EMPHASIS RIG #5</u>	Est. Ft. of Pay <u>0</u>
Location: Sec. <u>27</u>	Twp. <u>25S</u>	Rge. <u>13W</u> Co. <u>STAFFORD</u> state <u>KANSAS</u>

Interval Tested <u>4217-4243</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>26</u>	Top Choke — 1" _____ Bottom Choke — ¼" _____
Top Packer Depth <u>4212</u>	Hole Size — 7 <sup>7</sup> / <sub>8</sub> " _____ Rubber Size — 6 <sup>3</sup> / <sub>4</sub> " _____
Bottom Packer Depth <u>4217</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>0</u>
Total Depth <u>4243</u>	Drill Collar — 2.25 Ft. Run <u>0</u>
Mud Wt. <u>8.9</u> lb/gal.	Viscosity <u>49</u> Filtrate <u>11.0</u>
Tool Open @ <u>8:37</u> Initial Blow <u>FAIR BLOW BUILDING TO 4" AT SHUT-IN</u>	
<u>bled 2" FOR 5 MINUTES-NO BLOW BACK</u>	
Final Blow <u>FAIR BLOW BUILDING TO 2 1/2" IN 3 MIN &amp;</u>	
<u>STAYING THOUGHOUT OPENING-BLED 2" FOR 5 MIN-NO BLOW BACK</u>	
Recovery — Total Feet <u>240</u>	Flush Tool? _____
Rec. <u>240</u> Feet of <u>MUD</u>	
Rec. <u>0</u> Feet of <u>PACKER FAILURE - TOOL PLUGGED OF-MISRUN</u>	
Rec. <u>0</u> Feet of _____	
Rec. <u>0</u> Feet of _____	
Rec. <u>0</u> Feet of _____	
BHT <u>0</u> °F Gravity _____ °API @ <u>0</u> °F Corrected Gravity <u>0</u> °API	
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides <u>10000</u> ppm System	
(A) Initial Hydrostatic Mud <u>0</u> PSI Ak1 Recorder No. <u>13615</u> Range <u>4575</u>	
(B) First Initial Flow Pressure <u>0</u> PSI @ (depth) <u>4219</u> w/Clock No. <u>14389</u>	
(C) First Final Flow Pressure <u>0</u> PSI AK1 Recorder No. <u>10248</u> Range <u>4400</u>	
(D) Initial Shut-In Pressure <u>0</u> PSI @ (depth) <u>4240</u> w/Clock No. <u>27567</u>	
(E) Second Initial Flow Pressure <u>0</u> PSI AK1 Recorder No. <u>0</u> Range <u>0</u>	
(F) Second Final Flow Pressure <u>0</u> PSI @ (depth) <u>0</u> w/Clock No. <u>0</u>	
(G) Final Shut-In Pressure <u>0</u> PSI Initial Opening <u>15</u>	
(H) Final Hydrostatic Mud <u>0</u> PSI Initial Shut-In <u>30</u>	
	Final Flow <u>45</u>
	Final Shut-In <u>90</u>

MR ROGER SELLS

250

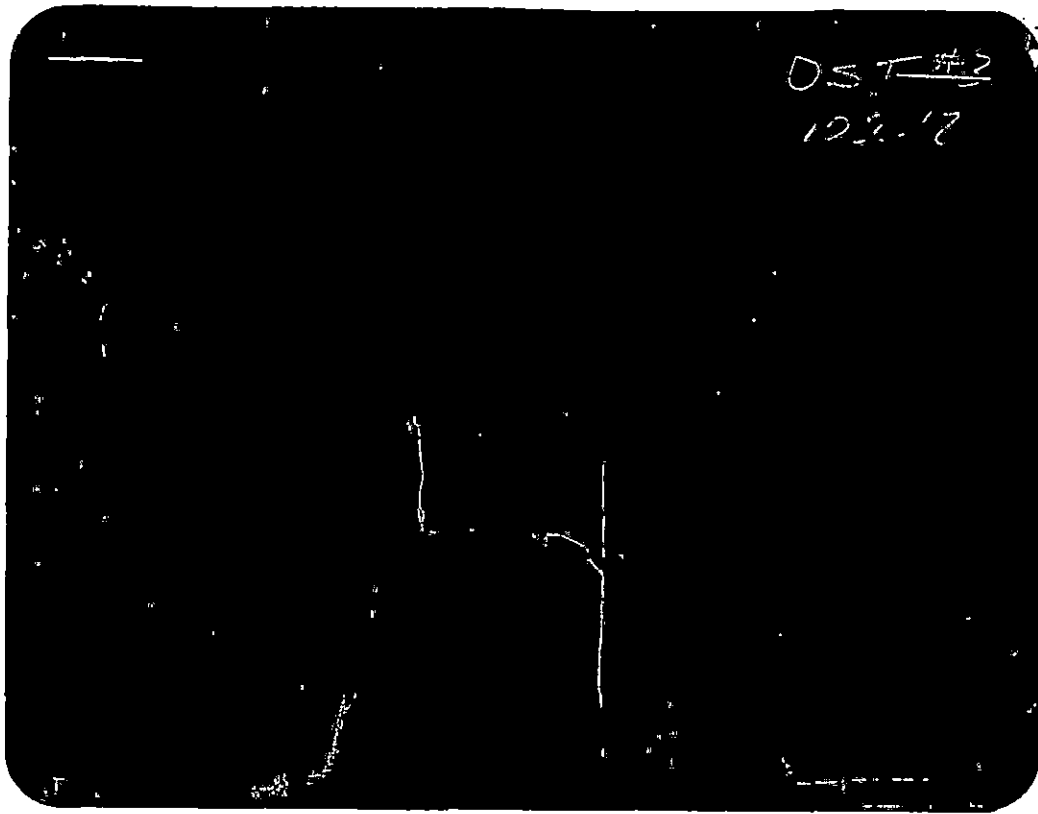
Our Representative \_\_\_\_\_

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

ORIGINAL

DST# \_\_\_\_\_

RECORDER# \_\_\_\_\_



This is an actual photograph of recorder chart.

PRESSURE

POINT	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	○	○	PSI
(B) First Initial Flow Pressure.....	○	○	PSI
(C) First Final Flow Pressure.....	○	○	PSI
(D) Initial Closed-In Pressure.....	○	○	PSI
(E) Second Initial Flow Pressure.....	○	○	PSI
(F) Second Final Flow Pressure.....	○	○	PSI
(G) Final Closed-In Pressure.....	○	○	PSI
(H) Final Hydrostatic Mud.....	○	○	PSI

# TRILOBITE TESTING COMPANY

P.O. BOX 362 • Hays, Kansas 67601

## TEST TICKET

# ORIGINAL<sup>®</sup> 2868

Name & No. Russell 1-27 Test No. 3 Date 5-3-90  
 Company A-B Company, Inc. 759125 Zone Tested Town Simpson Sand  
 P.O. Box 506 Russell, Ks. Elevation 1930 KB  
 Sp. / Geo. Kyle Branum Cont. Emphasis Rig #5 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 27 Twp. 25 Rge. 13 Co. Stafford State Ks.  
 Copies 4 Distribution Sheet \_\_\_\_\_ Yes  No  Turnkey \_\_\_\_\_ Yes  No

Well Tested 4217-4243 Drill Pipe Size 4 1/2 x H  
 Length 26' Top Choke — 1" Bottom Choke — 3/4"  
 Casing Depth 4212 Hole Size — 7 7/8" Rubber Size — 6 3/4"  
 Packer Depth 4217 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
 Depth 4243 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Density 8.9 lb/gal. Viscosity 49 Filtrate 11.0  
 Test @ 8:37 Initial Blow fair blow building to 4" @ shut-in  
in 5 min. no blow back.  
 Flow fair blow building to 2 1/2" in 3 min. & staying thru  
opening. Bled 2" 5 min. no blow back  
 Core — Total Feet 240' Flush Tool? \_\_\_\_\_

240 Feet of MUD  
 Feet of \_\_\_\_\_  
 Feet of Packer Failure  
 Feet of Tool Plugged off  
 Feet of Mis Run

°F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10,000 ppm System  
 Initial Hydrostatic Mud \_\_\_\_\_ PSI AK1 Recorder No. 136015 Range 4575  
 Initial Flow Pressure \_\_\_\_\_ PSI @ (depth) 4219 w/Clock No. 14389  
 Final Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 10248 Range 4400  
 Initial Shut-In Pressure \_\_\_\_\_ PSI @ (depth) 4240 w/Clock No. 27567  
 Second Initial Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 Second Final Flow Pressure \_\_\_\_\_ PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 Initial Shut-In Pressure \_\_\_\_\_ PSI Initial Opening 15 Test 250<sup>00</sup> 400<sup>00</sup>  
 Initial Hydrostatic Mud \_\_\_\_\_ PSI Initial Shut-In 30 Jars \_\_\_\_\_  
 Final Flow 45 Safety Joint \_\_\_\_\_  
 Final Shut-In 90 Straddle \_\_\_\_\_

Well Owned By Bill Owen  
 Representative Roger F. Sells  
 Craft Printers - Hays, KS  
 Circ. Sub   
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ \_\_\_\_\_

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

# ORIGINAL

## Drill-Stem Test Data

Well Name & No. RUSSELL #1-27 Test No. 4 Date 5/3/90  
 Company N-B COMPANY INC Zone Tested LWR SIMPSON SAND  
 Address P.O. BOX 506 RUSSELL KS 67665 Elevation 1930 KR  
 Op. Rep./Geol. MY KYLE BRANUM Cont. EMPHASIS RIG #5 Est. Ft. of Pay 0  
 Location: Sec. 27 Twp. 25S Rge. 13W Co. STAFFORD State KANSAS

Interval Tested 4205-4243 Drill Pipe Size 4.5" XH  
 Anchor Length 38 Top Choke — 1" Bottom Choke — ¼"  
 Packer Depth 4200 Hole Size — 77/8" Rubber Size — 63/4"  
 Bottom Packer Depth 4205 Wt. Pipe I.D. — 2.7 Ft. Run 0  
 Total Depth 4243 Drill Collar — 2.25 Ft. Run 0  
 Mud Wt. 8.9 lb/gal. Viscosity 49 Filtrate 11.0  
 Well Open @ \_\_\_\_\_ Initial Blow PACKER FAILURE-TRIED TO RE-SET PACKERS  
TWICE-NO GOOD-CAME OUT OF THE HOLE  
 Final Blow \_\_\_\_\_

Recovery — Total Feet 110 Flush Tool? \_\_\_\_\_  
110 Feet of MUD  
0 Feet of \_\_\_\_\_  
0 Feet of \_\_\_\_\_  
0 Feet of \_\_\_\_\_  
0 Feet of \_\_\_\_\_  
0 °F Gravity \_\_\_\_\_ °API @ 0 °F Corrected Gravity 0 °API

@ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10000 ppm System  
 Initial Hydrostatic Mud 0 PSI AK1 Recorder No. 13615 Range 4575  
 First Initial Flow Pressure 0 PSI @ (depth) 4207 w/Clock No. 27501  
 First Final Flow Pressure 0 PSI AK1 Recorder No. 10248 Range 4400  
 Initial Shut-In Pressure 0 PSI @ (depth) 4240 w/Clock No. 27567  
 Second Initial Flow Pressure 0 PSI AK1 Recorder No. 0 Range 0  
 Second Final Flow Pressure 0 PSI @ (depth) 0 w/Clock No. 0  
 Final Shut-In Pressure 0 PSI Initial Opening 15  
 Final Hydrostatic Mud 0 PSI Initial Shut-In 30  
 Final Flow 0  
 Final Shut-In 0

MR ROGER SELLS

250

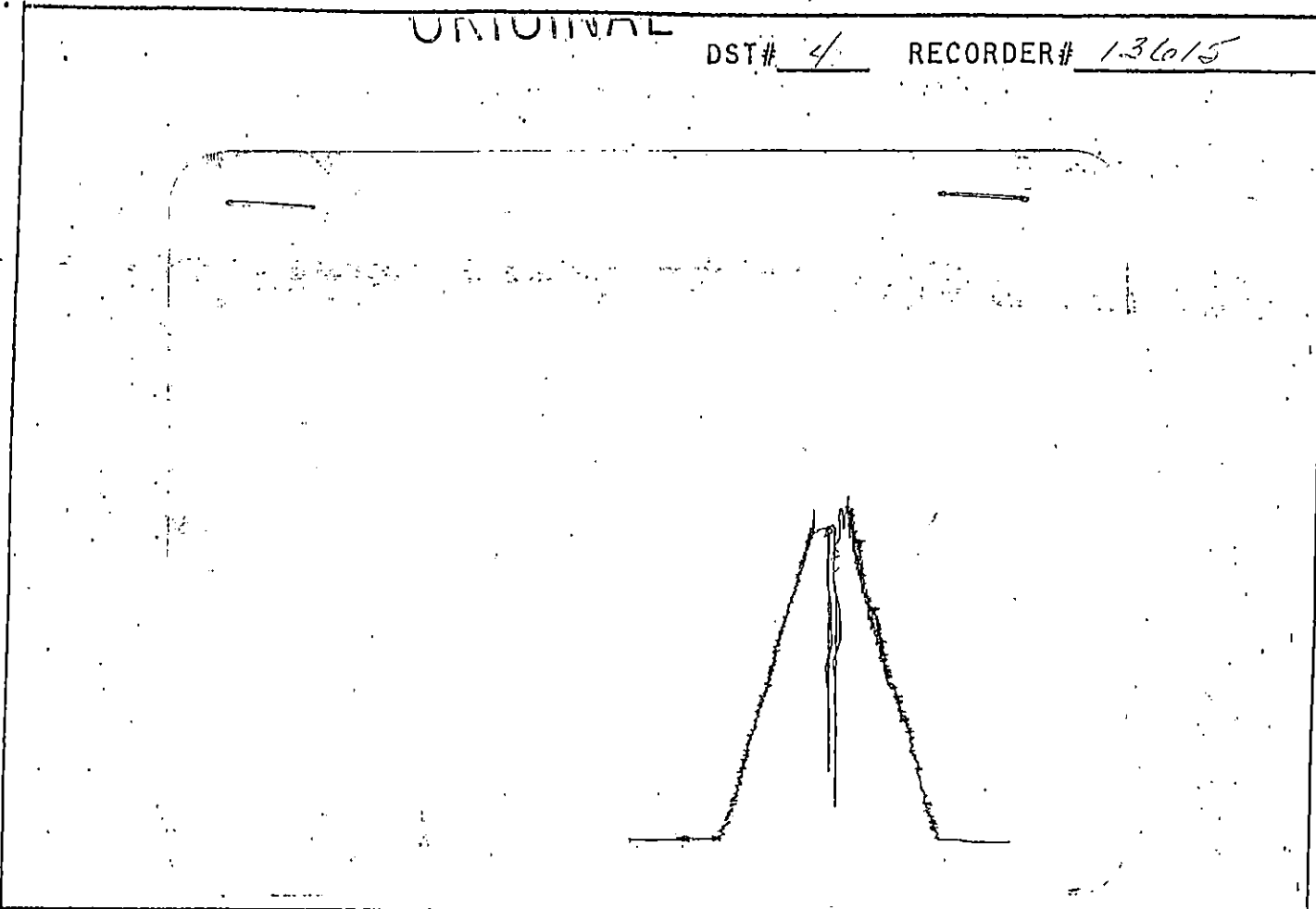
Representative \_\_\_\_\_

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

ORIGINAL

DST# 4

RECORDER# 13615



This is an actual photograph of recorder chart.

PRESSURE

POINT	Field Reading	Office Reading
(A) Initial Hydrostatic Mud.....		PSI
(B) First Initial Flow Pressure.....		PSI
(C) First Final Flow Pressure.....		PSI
(D) Initial Closed-In Pressure.....		PSI
(E) Second Initial Flow Pressure.....		PSI
(F) Second Final Flow Pressure.....		PSI
(G) Final Closed-In Pressure.....		PSI
(H) Final Hydrostatic Mud.....		PSI

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

## TEST TICKET

ORIGINAL No. 2869

Well Name & No. Russell 1-27 Test No. 4 Date 5-3-90  
Company N-B Company, Inc. T59125 Zone Tested Lower Simpson  
Address P.O. Box 506 Russell, Ks. Elevation 1930 KB  
Co. Rep. / Geo. Kyle Brannum cont. Emphasis Rig #5 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 27 Twp. 25 Rge. 13 Co. Stafford State Ks.  
No. of Copies 4 Distribution Sheet \_\_\_\_\_ Yes  No Turnkey \_\_\_\_\_ Yes  No

Interval Tested 4205-4243 Drill Pipe Size 4 1/2 x H  
Anchor Length 38' Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
Top Packer Depth 4200 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
Bottom Packer Depth 4205 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
Total Depth 4243 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
Mud Wt. 8.9 lb/gal. Viscosity 49 Filtrate 110  
Tool Open @ \_\_\_\_\_ Initial Blow Packer Failure - tried to  
set packers twice. no good - out of  
Final Blow the hole.

Recovery — Total Feet 110' Flush Tool? \_\_\_\_\_  
Rec. 110 Feet of Mud  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT \_\_\_\_\_ °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 10,000 ppm System  
(A) Initial Hydrostatic Mud \_\_\_\_\_ PSI AK1 Recorder No. 13615 Range 4575  
(B) First Initial Flow Pressure \_\_\_\_\_ PSI @ (depth) 4207 w/Clock No. 27501  
(C) First Final Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. 10248 Range 4400  
(D) Initial Shut-in Pressure \_\_\_\_\_ PSI @ (depth) 4240 w/Clock No. 27567  
(E) Second Initial Flow Pressure \_\_\_\_\_ PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
(F) Second Final Flow Pressure \_\_\_\_\_ PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
(G) Final Shut-in Pressure \_\_\_\_\_ PSI Initial Opening 15 Test 400°  
(H) Final Hydrostatic Mud \_\_\_\_\_ PSI Initial Shut-in 30 Jars \_\_\_\_\_  
Final Flow \_\_\_\_\_ Safety Joint \_\_\_\_\_  
Final Shut-in \_\_\_\_\_ Straddle \_\_\_\_\_

Approved By Jill Owen Circ. Sub   
Our Representative Roy L. Sell Sampler \_\_\_\_\_  
Extra Packer \_\_\_\_\_  
Other \_\_\_\_\_  
TOTAL PRICE \$ \_\_\_\_\_