

# TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name YORK #1 Test No. 1 Date 4/5/92  
Company CASTLE RESOURCES Zone Tested MYRIC / PAWNEE  
Address 1200 E 27th BANK IV SUITE C HAYS KS Elevation N/A  
Co. Rep./Geo. JERRY GREEN Cont. EMPHASIS #8 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 12 Twp. 17S Rge. 30W Co. LANE State KS

Interval Tested 4420-4480 Drill Pipe Size 4.5 XH  
Anchor Length 60 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 4425 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 4420  
Total Depth 4480

Mud Wt. 8.9 lb / gal. Viscosity 41 Filtrate 10

Tool Open @ 1:55 PM Initial Blow WEAK - BUILDING TO FAIR BLOW BOTTOM OF  
BUCKET IN 42 MINUTES

Final Blow WEAK-BUILDING TO FAIR BLOW BOTTOM OF BUCKET  
IN 41 MINUTES

# KCC

Recovery — Total Feet 275 Flush Tool? NO

JUL 21 1994

Rec. 31 Feet of SLTLY OIL CUT MUD-2%OIL/98% MUD

Rec. 61 Feet of WTR CUT MUD W/ SCUM OF OIL-10%WTR/90%MUD

Rec. 61 Feet of SLTLY OIL CUT MUDDY WTR-2%OIL/20%WTR/78%MUD

Rec. 61 Feet of SLTLY OIL CUT MUDDY WTR-2%OIL/30%WTR/68%MUD

Rec. 61 Feet of SLTLY OIL & MUD CUT WTR-2%OIL/60%WTR/38%MUD

BHT 116 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 2214.7 PSI AK1 Recorder No. 7437 Range 4200

(B) First Initial Flow Pressure 62.3 PSI @ (depth) 4424 w/Clock No. 8179

(C) First Final Flow Pressure 115.8 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 1141.7 PSI @ (depth) 4476 w/Clock No. 26199

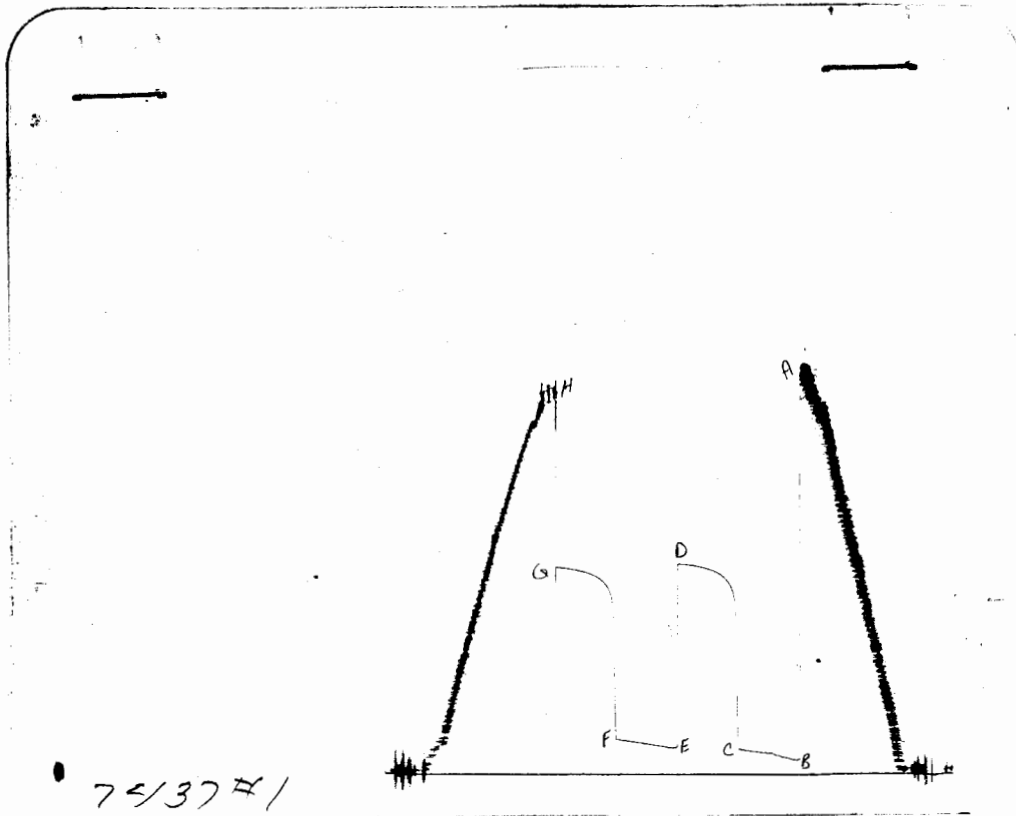
(E) Second Initial Flow Pressure 138.9 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 180.4 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 1120.4 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 2099.8 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative DAN BANGLE TOTAL PRICE \$ 550



POINT

This is an actual photograph of recorder chart  
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2202	2214.7
(B) FIRST INITIAL FLOW PRESSURE	55	62.3
(C) FIRST FINAL FLOW PRESSURE	111	115.8
(D) INITIAL CLOSED-IN PRESSURE	1139	1141.7
(E) SECOND INITIAL FLOW PRESSURE	133	138.9
(F) SECOND FINAL FLOW PRESSURE	177	180.4
(G) FINAL CLOSED-IN PRESSURE	1117	1120.4
(H) FINAL HYDROSTATIC MUD	2092	2099.8

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## Test Ticket

No 4895

Well Name & No. <u>York #1</u>	Test No. <u>1</u>	Date <u>4-5-92</u>
Company <u>Castle Res. Inc.</u>	Zone Tested <u>Myric ST/Pawnee</u>	
Address <u>1200 E. 27th Hays, Ks 67601</u>	Elevation _____	
Co. Rep./Geo. <u>Jerry Green</u>	cont. <u>Emphasis #8</u>	Est. Ft. of Pay _____
Location: Sec. <u>12</u>	Twp. <u>17</u>	Rge. <u>30</u> Co. <u>Lane</u> State <u>Ks.</u>
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested <u>4420 - 4480</u>	Drill Pipe Size <u>4.5 XH</u>
Anchor Length <u>60</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>4425</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>4420</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>4480</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>8.9</u> lb/gal.	Viscosity <u>41</u> Filtrate <u>10</u>
Tool Open @ <u>1:55 P.M.</u>	Initial Blow <u>Weak-building to fair blow bottom of bucket in 42 min.</u>
Final Blow <u>Weak-building to fair blow bottom of bucket in 41 min.</u>	

Recovery — Total Feet <u>275</u>	Feet of Gas in Pipe _____	Flush Tool? _____
Rec. <u>381</u> Feet Of <u>Silly O.C.M.</u>	%gas <u>2</u> %oil _____ %water <u>98</u> %mud _____	
Rec. <u>61</u> Feet Of <u>W.C.M w/scum oil</u>	%gas _____ %oil _____ %water <u>10</u> %mud <u>90</u>	
Rec. <u>61</u> Feet Of <u>Silly O.C. Mdy WTR</u>	%gas <u>2</u> %oil _____ %water <u>20</u> %mud <u>78</u>	
Rec. <u>61</u> Feet Of <u>Silly O.C. Mdy WTR</u>	%gas <u>2</u> %oil _____ %water <u>30</u> %mud <u>68</u>	
Rec. <u>61</u> Feet Of <u>Silly O.C. Mdy WTR</u>	%gas <u>2</u> %oil _____ %water <u>60</u> %mud <u>38</u>	

BHT 116 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 3,000 ppm System

(A) Initial Hydrostatic Mud <u>2202</u> PSI	AK1 Recorder No. <u>7437</u>	Range <u>4200</u>
(B) First Initial Flow Pressure <u>55</u> PSI	@ (depth) <u>4424</u>	w/Clock No. <u>8179</u>
(C) First Final Flow Pressure <u>111</u> PSI	AK1 Recorder No. <u>13849</u>	Range <u>4375</u>
(D) Initial Shut-in Pressure <u>1139</u> PSI	@ (depth) <u>4476</u>	w/Clock No. <u>26199</u>
(E) Second Initial Flow Pressure <u>133</u> PSI	AK1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>177</u> PSI	@ (depth) _____	w/Clock No. _____
(G) Final Shut-in Pressure <u>1117</u> PSI	Initial Opening <u>45</u>	Test _____
(H) Final Hydrostatic Mud <u>2092</u> PSI	Initial Shut-in <u>45</u>	Jars _____

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Final Flow <u>45</u>	Safety Joint _____
Final Shut-in <u>45</u>	Straddle _____
	Circ. Sub _____
	Sampler _____
	Extra Packer _____
	Other _____
	TOTAL PRICE \$ _____

Approved By \_\_\_\_\_  
Our Representative [Signature]  
Printcraft Printers - Hays, KS