# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name: SKOLOUT #1 Test No. 1 Date 7/13/92

Company: CASTLE RESOURCES, INC. Zone LKC-"B"

Address: 1200 E.27th HAYS KANSAS 67601 Elevation 3180 G.L.

Co. Rep./Geo. JERRY GREEN Cont. EMPHASIS RIG #8 Est. Ft. of Pay

Location: Sec. 26 Twp. 01S Rge. 35W Co. RAWLINS State KS

Interval Tested 4110-4175 Drill Pipe Size 4.5 XH

Anchor Length 65 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4105 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4110 Mud Wt. 9.3 lb/Gal.

Total Depth 4175 Viscosity 46 Filtrate 10

Tool Open @ 2:30 PM Initial Blow VERY WEAK FOR 5 MINUTES

Final Blow NO BLOW

Recovery - Total Feet 5 Flush Tool? YES

Rec. 5 Feet of MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 112 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 2097.4 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 42.3 PSI @ (depth) 4135 w / Clock No. 27501

(C) First Final Flow Pressure 55.1 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 320.6 PSI @ (depth) 4175 w / Clock No. 27573

(E) Second Initial Flow Pressure 55.1 PSI AK1 Recorder No. Range

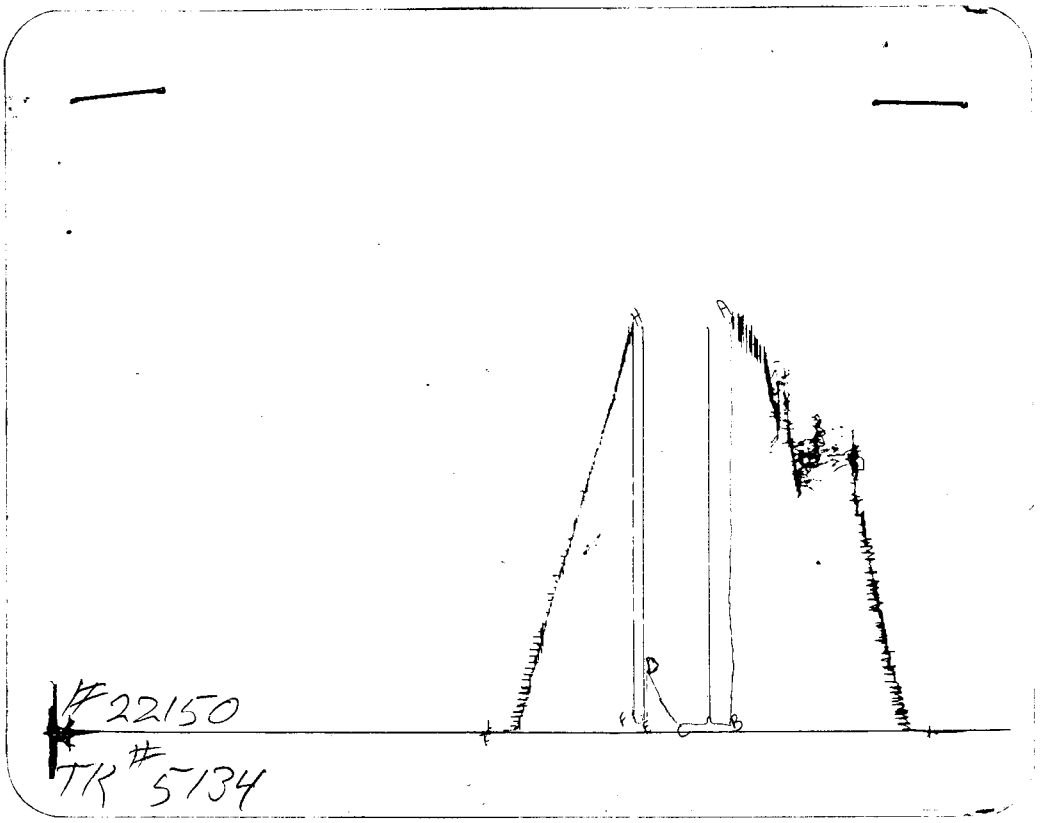
(F) Second Final Flow Pressure 55.1 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure PSI Initial Opening 30 Final Flow 10

(H) Final Hydrostatic Mud 2094.2 PSI Initial Shut-in 30 Final Shut-in

Our Representative HARRY SCHMIDT

# CHART PAGE




This is an actual photograph of recorder chart

| | FIELD READING | OFFICE READING |
|---|---|---|
| (A) INITIAL HYDROSTATIC MUD | 2095 | 2097.4 |
| (B) FIRST INITIAL FLOW PRESSURE | 40 | 42.3 |
| (C) FIRST FINAL FLOW PRESSURE | 50 | 55.1 |
| (D) INITIAL CLOSED-IN PRESSURE | 316 | 320.6 |
| (E) SECOND INITIAL FLOW PRESSURE | 50 | 55.1 |
| (F) SECOND FINAL FLOW PRESSURE | 50 | 55.1 |
| (G) FINAL CLOSED-IN PRESSURE | | |
| (H) FINAL HYDROSTATIC MUD | 2095 | 2094.2 |

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## Test Ticket

№ 5134

Well Name & No. SIKOLOUT #1 Test No. ONE Date 7-13-92

Company CASTLE RESOURCES INC. Zone Tested LKC. - B

Address 1200 E. 27TH ST. SUITE C HAYS 67601 Elevation 3180 G.L.

Co. Rep./Geo. JERRY Cont. EMPIRE #8 Est. Ft. of Pay

Location: Sec. 26 Twp. 01 Rge. 35 Co. RAWLINS State KS.

No. of Copies 5 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 4110 TO 4175 Drill Pipe Size 4½" X H

Anchor Length 65' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4105 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4110 Wt. Pipe I.D. — 2.7 Ft. Run ____

Total Depth 4175 Drill Collar — 2.25 Ft. Run ____

Mud Wt. 9.3 lb/gal. Viscosity 46 Filtrate 10.0

Tool Open @ 2:30 PM Initial Blow VERY WEAK FOR 5 MIN.

Final Blow NO BLOW

Recovery — Total Feet 5 Feet of Gas in Pipe ____ Flush Tool? YES

| | | | | | |
|---|---|---|---|---|---|
| Rec. 5 | 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 112 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW ~~[illegible]~~ @ ____ °F Chlorides ____ ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 2095 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 40 PSI @ (depth) 4135 w/Clock No. 27501

(C) First Final Flow Pressure 50 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-In Pressure 316 PSI @ (depth) 4175 w/Clock No. ~~[illegible]~~ 27573

(E) Second Initial Flow Pressure 50 PSI AK1 Recorder No. ____ Range ____

(F) Second Final Flow Pressure 50 PSI @ (depth) ____ w/Clock No. ____

(G) Final Shut-In Pressure — PSI Initial Opening 30 Test 550.00

(H) Final Hydrostatic Mud 2095 PSI Initial Shut-In 30 Jars ____

Final Flow 10 Safety Joint ____

Final Shut-In — Straddle ____

Circ. Sub ____

Sampler ____

Extra Packer ____

Other ____

TOTAL PRICE $ 550.00

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By ____

Our Representative [signature]

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# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name: SKOLOUT #1 Test No. 2 Date 7/14/92

Company: CASTLE RESOURCES, INC. Zone LKC

Address: 1200 E.27th HAYS KANSAS 67601 Elevation 3180 G.L.

Co. Rep./Geo. JERRY GREEN Cont. EMPHASIS RIG #8 Est. Ft. of Pay

Location: Sec. 26 Twp. 01S Rge. 35W Co. RAWLINS State KS

Interval Tested 4264-4316 Drill Pipe Size 4.5 XH

Anchor Length 52 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4259 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4264 Mud Wt. 9.3 lb/Gal.

Total Depth 4316 Viscosity 46 Filtrate 10

Tool Open @ 11:10 AM Initial Blow VERY WEAK FOR 10 MINUTES

Final Blow NO BLOW

Recovery - Total Feet 20 Flush Tool? YES

Rec. 20 Feet of OIL CUT MUD-15%OIL/95%MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 112 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 2188.4 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 23.6 PSI @ (depth) 4300 w / Clock No. 27501

(C) First Final Flow Pressure 36.9 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 321.5 PSI @ (depth) 4316 w / Clock No. 27573

(E) Second Initial Flow Pressure 35.8 PSI AK1 Recorder No. Range

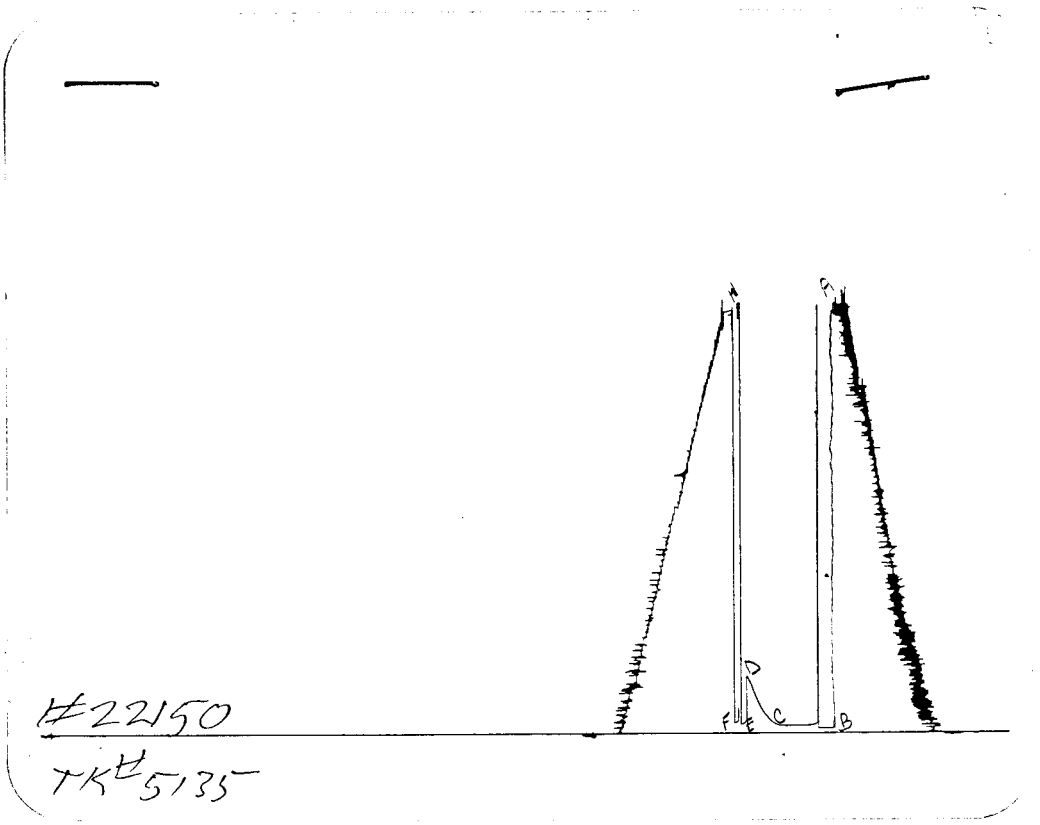
(F) Second Final Flow Pressure 42.3 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure PSI Initial Opening 35 Final Flow 10

(H) Final Hydrostatic Mud 2180.2 PSI Initial Shut-in 30 Final Shut-in

Our Representative HARRY SCHMIDT

CHART PAGE




This is an actual photograph of recorder chart

| | FIELD READING | OFFICE READING |
|---|---|---|
| ) INITIAL HYDROSTATIC MUD | 2183 | 2188.4 |
| ) FIRST INITIAL FLOW PRESSURE | 20 | 23.6 |
| ) FIRST FINAL FLOW PRESSURE | 30 | 36.9 |
| ) INITIAL CLOSED-IN PRESSURE | 316 | 321.5 |
| ) SECOND INITIAL FLOW PRESSURE | 30 | 35.8 |
| ) SECOND FINAL FLOW PRESSURE | 40 | 42.3 |
| ) FINAL CLOSED-IN PRESSURE | | |
| ) FINAL HYDROSTATIC MUD | 2183 | 2180.2 |

TRILOBITE TESTING L.L.C.
P.O. Box 362 • Hays, Kansas 67601

# Test Ticket

№ 5135

Well Name & No. SKOLOUT #1 Test No. TWO Date 7-14-92
Company CASTLE RESOURCES INC. Zone Tested LKC.
Address 1200 E 27TH ST. SUITE C HAYS 67601 Elevation 3180 GL
Co. Rep./Geo. JERRY Cont. EMPHASIS #8 Est. Ft. of Pay
Location: Sec. 26 Twp. 01 Rge. 35 Co. RAWLINS State KS
No. of Copies 5 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No Evaluation

Interval Tested 4264 TO 4316 Drill Pipe Size 4 1/2" XH
Anchor Length 52' Top Choke — 1" ____ Bottom Choke — ¾" ____
Top Packer Depth 4259 Hole Size — 7 7/8" ____ Rubber Size — 6 3/4" ____
Bottom Packer Depth 4264 Wt. Pipe I.D. — 2.7 Ft. Run ____
Total Depth 4316 Drill Collar — 2.25 Ft. Run ____
Mud Wt. 9.3 lb/gal. Viscosity 46 Filtrate 10.0
Tool Open @ 11:10 AM Initial Blow VERY WEAK FOR 10 MIN.

Final Blow NO BLOW

Recovery — Total Feet 20 Feet of Gas in Pipe ____ Flush Tool? YES

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Rec. 20 | Feet Of OCM | %gas 15 | %oil | %water 85 | %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 112 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API
RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 3000 ppm System

| | | | | | |
|---|---|---|---|---|---|
| (A) Initial Hydrostatic Mud | 2183 PSI | AK1 Recorder No. | 22150 | Range | 3925 |
| (B) First Initial Flow Pressure | 20 PSI | @ (depth) | 4300 | w/Clock No. | 27501 |
| (C) First Final Flow Pressure | 30 PSI | AK1 Recorder No. | 10248 | Range | 4400 |
| (D) Initial Shut-In Pressure | 316 PSI | @ (depth) | 4316 | w/Clock No. | 27573 |
| (E) Second Initial Flow Pressure | 30 PSI | AK1 Recorder No. | ____ | Range | ____ |
| (F) Second Final Flow Pressure | 40 PSI | @ (depth) | ____ | w/Clock No. | ____ |
| (G) Final Shut-In Pressure | — PSI | Initial Opening | 35 | Test | 550.00 |
| (H) Final Hydrostatic Mud | 2183 PSI | Initial Shut-In | 30 | Jars | ____ |
| | | Final Flow | 10 | Safety Joint | ____ |
| | | Final Shut-In | — | Straddle | ____ |
| | | | | Circ. Sub | ____ |
| | | | | Sampler | ____ |
| | | | | Extra Packer | ____ |
| | | | | Other | ____ |
| | | | | TOTAL PRICE $ | 550.00 |

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Approved By ____
Our Representative [signature]

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