

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name CASEBEER 1-11 Test No. 1 Date 12/27/94
Company BEREXCO Zone LWR MORROW
Address 970 FOURTH FINANCIAL CENTER, WICHITA, KS 67202 Elevation 3040
Co. Rep./Geo. EDWIN H. GRIEVES Cont. BEREDCO Est. Ft. of Pay 10
Location: Sec. 11 Twp. 35S Rge. 36W Co. STEVENS State KS

| | | | |
|---------------------|------------------|-----------------------------|-------------------------------|
| Interval Tested | <u>6270-6295</u> | Drill Pipe Size | <u>4.5" XH</u> |
| Anchor Length | <u>25</u> | Wt. Pipe I.D. - 2.7 Ft. Run | <u> </u> |
| Top Packer Depth | <u>6265</u> | Drill Collar - 2.25 Ft. Run | <u>620</u> |
| Bottom Packer Depth | <u>6270</u> | Mud Wt. | <u>9.0</u> lb/Gal. |
| Total Depth | <u>6295</u> | Viscosity | <u>50</u> Filtrate <u>8.8</u> |

Tool Open @ 2:05AM Initial Blow WEAK SURFACE BLOW, BUILT TO 4" INTO BUCKET. INITIAL SHUT IN: BLED OFF - NO BLOW BAK.

Final Blow WEAK SURFACE BLOW, BUILT TO 5-1/2" INTO BUCKET. FINAL SHUT IN: BLED OFF, NO BLOW BACK.

Recovery - Total Feet 30 Flush Tool? NO

Rec. 30 Feet of MUD. 100% MUD.
Rec. Feet of
Rec. Feet of
Rec. Feet of
Rec. Feet of

BHT 128 °F Gravity °API @ °F Corrected Gravity °API
RW @ °F Chlorides ppm Recovery Chlorides 1050 ppm System

(A) Initial Hydrostatic Mud 3098.4 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 30.3 PSI @ (depth) 6273 w / Clock No. 25113

(C) First Final Flow Pressure 30.3 PSI AK1 Recorder No. 11058 Range 4500

(D) Initial Shut-in Pressure 100.9 PSI @ (depth) 6283 w / Clock No. 21048

(E) Second Initial Flow Pressure 25.8 PSI AK1 Recorder No. Range

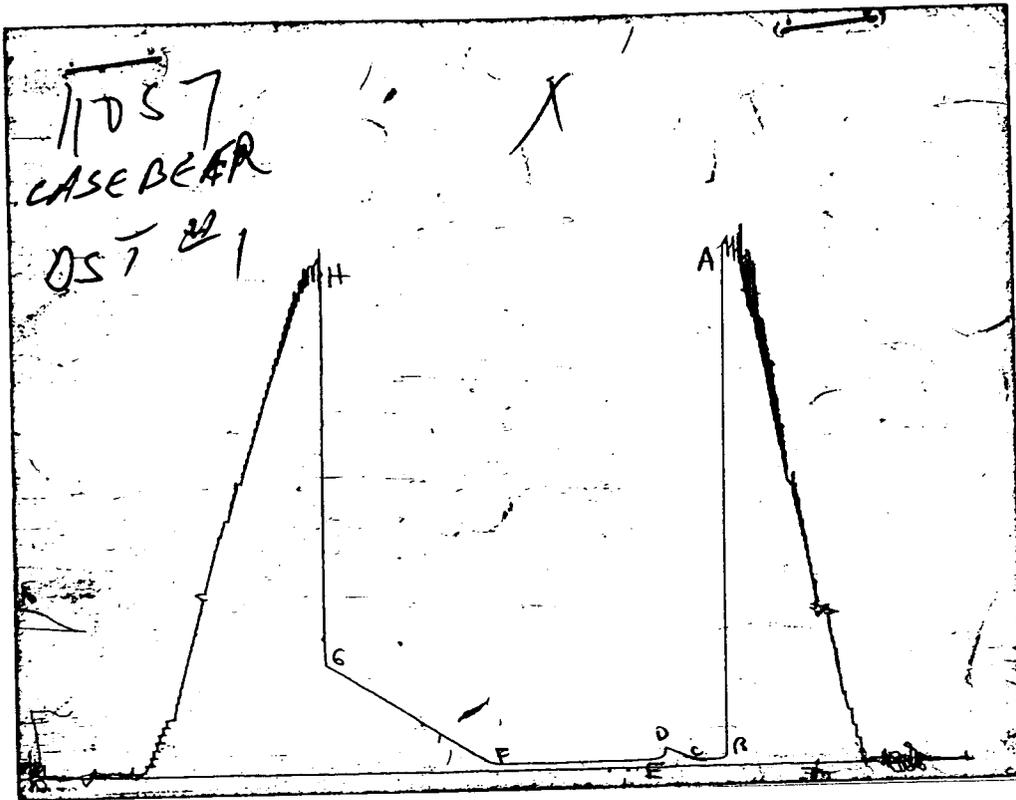
(F) Second Final Flow Pressure 25.8 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 618.3 PSI Initial Opening 15 Final Flow 120

(H) Final Hydrostatic Mud 2932.1 PSI Initial Shut-in 30 Final Shut-in 120

Our Representative MARK HUGHES

CHART PAGE



This is an actual photograph of recorder chart

| | FIELD READING | OFFICE READING |
|----------------------------------|------------------|-------------------|
| (A) INITIAL HYDROSTATIC MUD | 3090 | 3098.4 |
| (B) FIRST INITIAL FLOW PRESSURE | 56 | 30.3 |
| (C) FIRST FINAL FLOW PRESSURE | 56 | 30.3 |
| (D) INITIAL CLOSED-IN PRESSURE | 112 | 100.9 |
| (E) SECOND INITIAL FLOW PRESSURE | 44 | 25.8 |
| (F) SECOND FINAL FLOW PRESSURE | 44 | 25.8 |
| (G) FINAL CLOSED-IN PRESSURE | 616 | 618.3 |
| (H) FINAL HYDROSTATIC MUD | 2920 | 2932.1 |

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Drill-Stem Test Data

Well Name CASEBEER 1-11 Test No. 2 Date 12/30/94
Company BEREXCO Zone CHESTER SAND
Address 970 FOURTH FINANCIAL CENTER, WICHITA, KS 67202 Elevation 3040
Co. Rep./Geo. EDWIN H. GRIEVES Cont. BEREDCO Est. Ft. of Pay _____
Location: Sec. 11 Twp. 35S Rge. 36W Co. STEVENS State KS

| | | | |
|---------------------|------------------|-----------------------------|-------------------------------|
| Interval Tested | <u>6528-6550</u> | Drill Pipe Size | <u>4.5" XH</u> |
| Anchor Length | <u>22</u> | Wt. Pipe I.D. - 2.7 Ft. Run | _____ |
| Top Packer Depth | <u>6523</u> | Drill Collar - 2.25 Ft. Run | <u>620</u> |
| Bottom Packer Depth | <u>6528</u> | Mud Wt. | <u>9.0</u> lb/Gal. |
| Total Depth | <u>6550</u> | Viscosity | <u>45</u> Filtrate <u>8.0</u> |

Tool Open @ 11:25AM Initial Blow WEAK SURFACE BLOW, BUILT TO 3" INTO BUCKET. NO BLOW BACK.

Final Blow WEAK SURFACE BLOW. DIED OUT 10 MINUTES AFTER FLUSH. (ON INITIAL OPENING SLED 15 FEET TO BOTTOM).

Recovery - Total Feet 190 Flush Tool? YES

Rec. 190 Feet of MUD. 100% MUD.
Rec. _____ Feet of _____
Rec. _____ Feet of MISRUN. PLUGGED TOOL
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 135 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1,000 ppm System

(A) Initial Hydrostatic Mud 3133.0 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure _____ PSI @ (depth) 6531 w / Clock No. 25113

(C) First Final Flow Pressure _____ PSI AK1 Recorder No. 11058 Range 4500

(D) Initial Shut-in Pressure 495.5 PSI @ (depth) 6542 w / Clock No. 21048

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

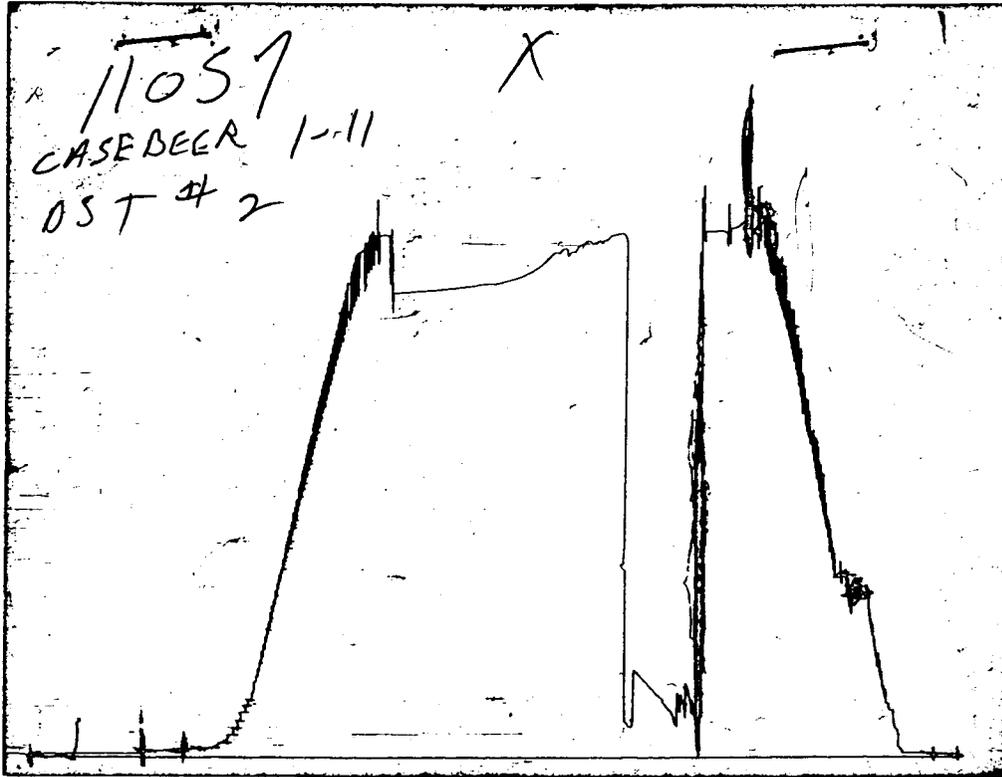
(F) Second Final Flow Pressure 3045.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure _____ PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud _____ PSI Initial Shut-in 30 Final Shut-in 120

Our Representative MARK HUGHES

CHART PAGE



This is an actual photograph of recorder chart

| | FIELD READING | OFFICE READING |
|----------------------------------|------------------|-------------------|
| (A) INITIAL HYDROSTATIC MUD | 3158 | 3133.0 |
| (B) FIRST INITIAL FLOW PRESSURE | | |
| (C) FIRST FINAL FLOW PRESSURE | | |
| (D) INITIAL CLOSED-IN PRESSURE | 504 | 495.5 |
| (E) SECOND INITIAL FLOW PRESSURE | | |
| (F) SECOND FINAL FLOW PRESSURE | | 3045.4 |
| (G) FINAL CLOSED-IN PRESSURE | | |
| (H) FINAL HYDROSTATIC MUD | 3067 | |

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Drill-Stem Test Data

Well Name CASEBEER 1-11 Test No. 3 Date 1/1/95
Company BEREXCO Zone ST LOUIS
Address 970 FOURTH FINANCIAL CENTER, WICHITA, KS 67202 Elevation 3040
Co. Rep./Geo. EDWIN H. GRIEVES Cont. BEREDCO Est. Ft. of Pay _____
Location: Sec. 11 Twp. 35S Rge. 36W Co. STEVENS State KS

| | | | |
|---------------------|------------------|-----------------------------|-------------------------------|
| Interval Tested | <u>6777-6800</u> | Drill Pipe Size | <u>4.5" XH</u> |
| Anchor Length | <u>23</u> | Wt. Pipe I.D. - 2.7 Ft. Run | _____ |
| Top Packer Depth | <u>6772</u> | Drill Collar - 2.25 Ft. Run | <u>620</u> |
| Bottom Packer Depth | <u>6779</u> | Mud Wt. | <u>9.1</u> lb/Gal. |
| Total Depth | <u>6800</u> | Viscosity | <u>58</u> Filtrate <u>7.6</u> |

Tool Open @ 9:25AM Initial Blow FAIR BLOW BUILT TO BOTTOM OF BUCKET IN 1 MINUTE.
INITIAL SHUT IN: BLEED OFF - NO BLOW BACK.
Final Blow WEAK SURFACE BLOW.

Recovery - Total Feet _____ Flush Tool? NO

Rec. 230 Feet of GAS AND WATER CUT MUD. 5% GAS; 15% WATER; 80% MUD.
Rec. 4280 Feet of GAS CUT SALT WATER. 5% GAS; 95% WATER.
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 138 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.122 @ 56.6 °F Chlorides 100,000 ppm Recovery Chlorides 1,800 ppm System

(A) Initial Hydrostatic Mud 3147.1 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 1166.7 PSI @ (depth) 6775 w / Clock No. 25113

(C) First Final Flow Pressure 1342.2 PSI AK1 Recorder No. 11058 Range 4500

(D) Initial Shut-in Pressure 1968.0 PSI @ (depth) 6793 w / Clock No. 21048

(E) Second Initial Flow Pressure 1787.5 PSI AK1 Recorder No. _____ Range _____

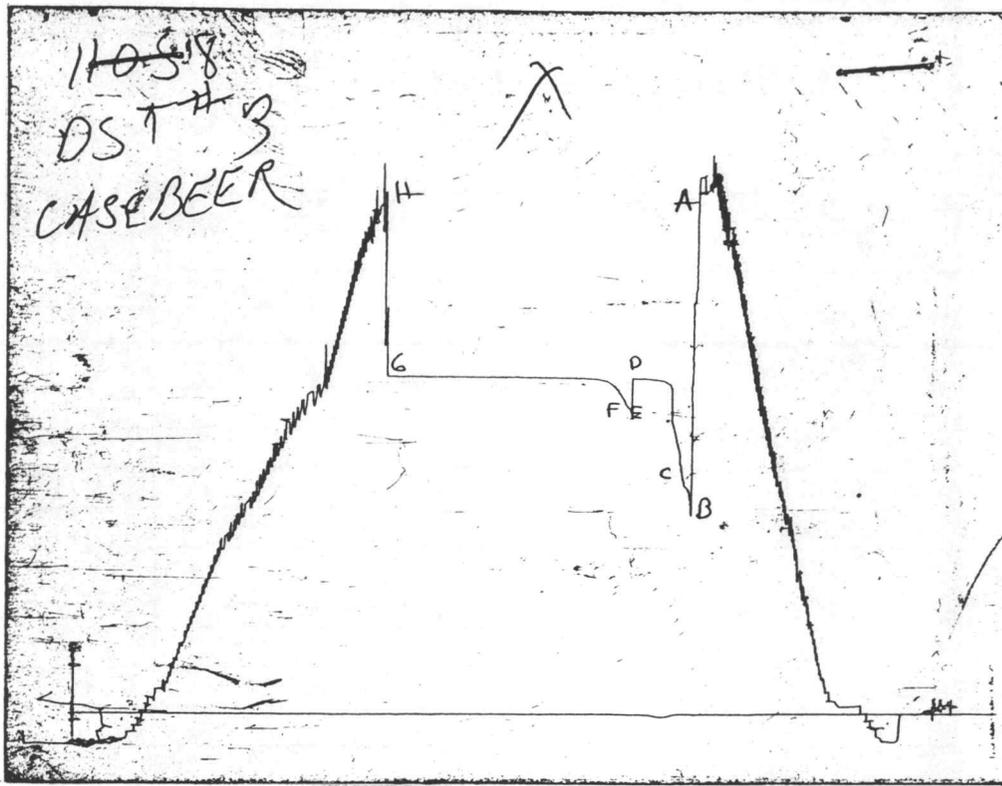
(F) Second Final Flow Pressure 1973.7 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1973.7 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 3006.7 PSI Initial Shut-in 30 Final Shut-in 120

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CHART PAGE



This is an actual photograph of recorder chart

| | FIELD READING | OFFICE READING |
|----------------------------------|------------------|-------------------|
| (A) INITIAL HYDROSTATIC MUD | 3073 | 3147.1 |
| (B) FIRST INITIAL FLOW PRESSURE | 1164 | 1166.7 |
| (C) FIRST FINAL FLOW PRESSURE | 1342 | 1342.2 |
| (D) INITIAL CLOSED-IN PRESSURE | 1963 | 1968.0 |
| (E) SECOND INITIAL FLOW PRESSURE | 1725 | 1787.5 |
| (F) SECOND FINAL FLOW PRESSURE | 1975 | 1973.7 |
| (G) FINAL CLOSED-IN PRESSURE | 1975 | 1973.7 |
| (H) FINAL HYDROSTATIC MUD | 2973 | 3006.7 |