TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name JESSE-N #1-18 Test No. 1 Date 11/7/93

Company HUGOTON ENERGY CORPORATION Zone KEYS

Address 229 E WILLIAM #500 WICHITA KS 67202 Elevation 3359

Co. Rep./Geo. KEN LEBLANC Cont. MURFIN RIG #22 Est. Ft. of Pay

Location: Sec. 18 Twp. 30S Rge. 40W Co. STANTON State KS

Interval Tested 5374-5390 Drill Pipe Size 4.5" XH

Anchor Length 16 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 5369 Drill Collar – 2.25 Ft. Run 593

Bottom Packer Depth 5374 Mud Wt. 9.1 lb/Gal.

Total Depth 5390 Viscosity 44 Filtrate 6.6

Tool Open @ 3:30 AM Initial Blow PACKER FAILURE

Final Blow

Recovery - Total Feet Flush Tool? NO

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 111 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 600 ppm System

(A) Initial Hydrostatic Mud 2653.4 PSI AK1 Recorder No. 5495 Range 4200

(B) First Initial Flow Pressure PSI @ (depth) 5377 w / Clock No. 25813

(C) First Final Flow Pressure PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure PSI @ (depth) 5387 w / Clock No. 25814

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

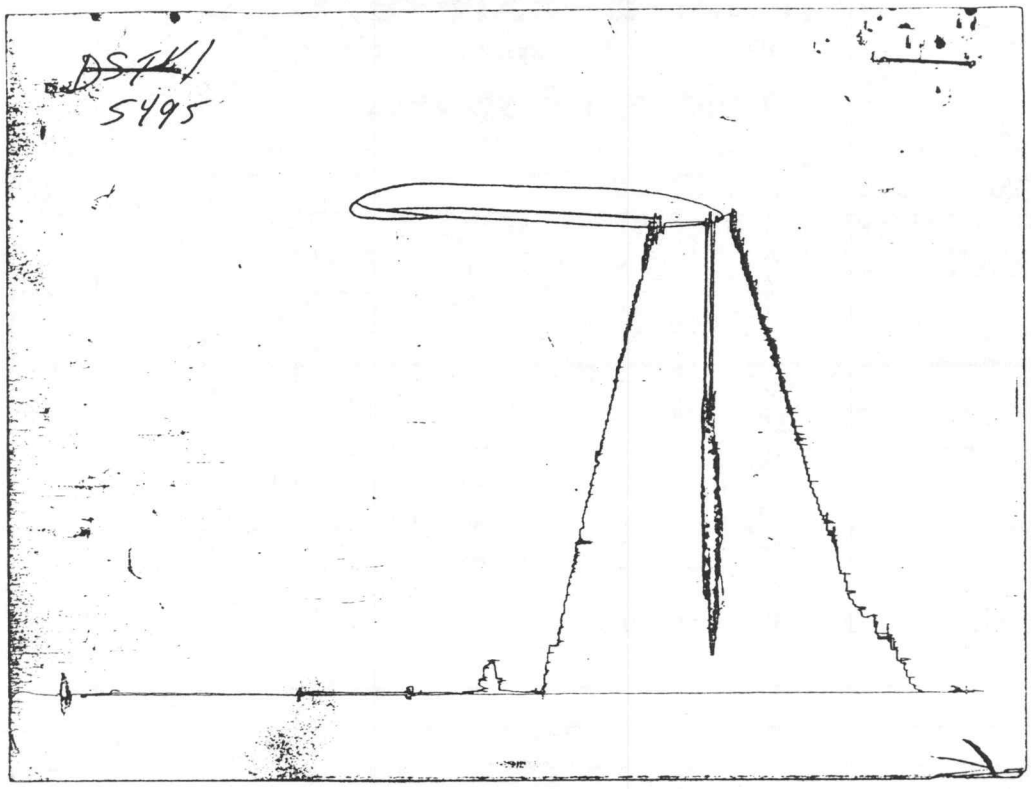
(F) Second Final Flow Pressure PSI @ (depth) w / Clock No.

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

(H) Final Hydrostatic Mud 2596.7 PSI Initial Shut-in Final Shut-in

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2645	2653.4
(B) FIRST INITIAL FLOW PRESSURE		
(C) FIRST FINAL FLOW PRESSURE		
(D) INITIAL CLOSED-IN PRESSURE		
(E) SECOND INITIAL FLOW PRESSURE		
(F) SECOND FINAL FLOW PRESSURE		
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	2593	2596.7

TRILOBITE TESTING L.L.C.

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Test Ticket

№ 6661

Well Name & No. Jesse-N #1-18 Test No. #1 Date 10-7-93

Company Hugoton Energy Corp. Zone Tested Keys

Address 229 E. William Suite 500 Wichita, Ks. 67202 Elevation 3359 (GL)

Co. Rep./Geo. Ken LeBlanc Cont. Murfin #22 Est. Ft. of Pay

Location: Sec. 18 Twp. 30 Rge. 40 Co. Stanton State Ks.

No. of Copies Distribution Sheet Yes X No Turnkey Yes X No Evaluation

Interval Tested 5374-5390 Drill Pipe Size 4.5 x-Hole

Anchor Length 16' Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 5369 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 5374 Wt. Pipe I.D. — 2.7 Ft. Run -

Total Depth 5390 Drill Collar — 2.25 Ft. Run 593'

Mud Wt. 9.1 lb/gal. Viscosity 44 Filtrate 6.6

Tool Open @ 3:30 AM Initial Blow Packer Failure

Final Blow

Recovery — Total Feet Feet of Gas in Pipe Flush Tool? NO

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

Rec. Feet Of %gas %oil %water %mud

BHT 111 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 600 ppm System

(A) Initial Hydrostatic Mud 2645 PSI AK1 Recorder No. 5495 Range 4200

(B) First Initial Flow Pressure PSI @ (depth) 5377 w/Clock No. 25813

(C) First Final Flow Pressure PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-In Pressure PSI @ (depth) 5387 w/Clock No. 25814

(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 Test X mr. - 500.00

(H) Final Hydrostatic Mud 2593 PSI Initial Shut-In Jars X 200.00

Final Flow Safety Joint X 50.00

Final Shut-In Straddle

Circ. Sub

Sampler

Extra Packer

Other Packer failure

TOTAL PRICE $ 750.00

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 Ken LeBlanc

Our Representative Tom Hoacek

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name JESSE-N #1-18 Test No. 2 Date 11/7/93

Company HUGOTON ENERGY CORPORATION Zone KEYS

Address 229 E WILLIAM #500 WICHITA KS 67202 Elevation 3359

Co. Rep./Geo. KEN LEBLANC Cont. MURFIN RIG #22 Est. Ft. of Pay

Location: Sec. 18 Twp. 30S Rge. 40W Co. STANTON State KS

Interval Tested 5317-5390 Drill Pipe Size 4.5" XH

Anchor Length 73 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 5310 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 5317 Mud Wt. 9.1 lb/Gal.

Total Depth 5390 Viscosity 53 Filtrate 5.9

Tool Open @ 11:40 PM Initial Blow PACKER FAILURE

Final Blow

Recovery - Total Feet Flush Tool? NO

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 111 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 2653.4 PSI AK1 Recorder No. 5495 Range 4200

(B) First Initial Flow Pressure PSI @ (depth) 5320 w / Clock No. 25813

(C) First Final Flow Pressure PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure PSI @ (depth) 5387 w / Clock No. 25814

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

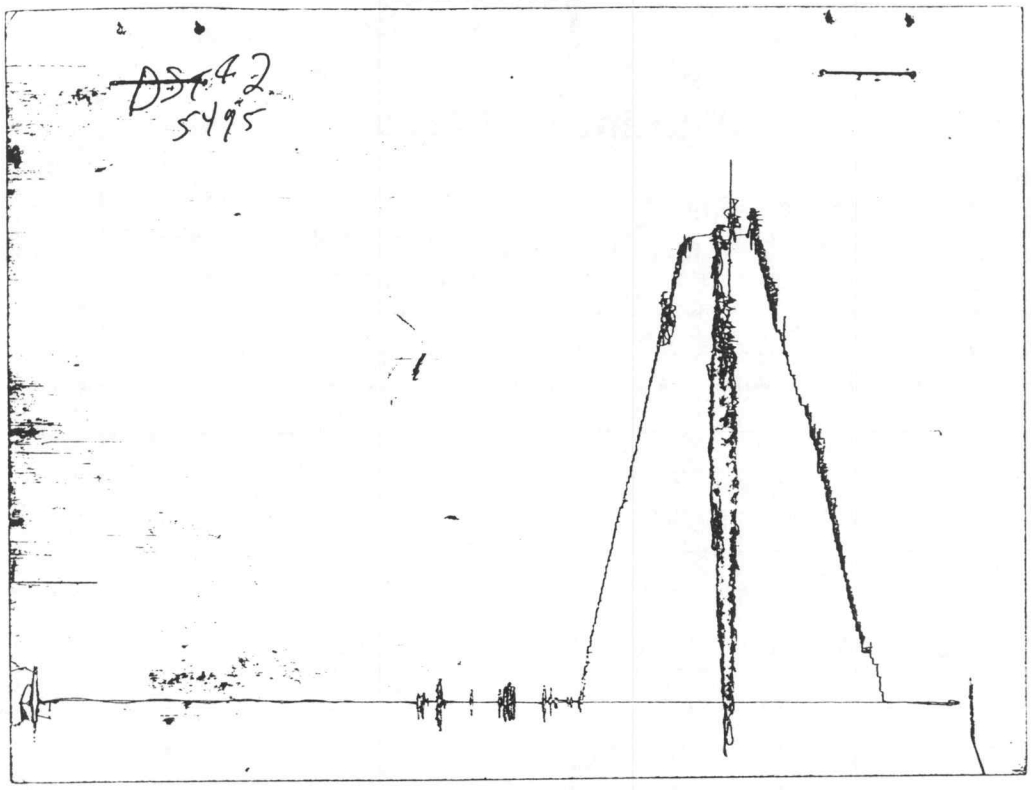
(F) Second Final Flow Pressure PSI @ (depth) w / Clock No.

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

(H) Final Hydrostatic Mud 2596.7 PSI Initial Shut-in Final Shut-in

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2645	2653.4
(B) FIRST INITIAL FLOW PRESSURE		
(C) FIRST FINAL FLOW PRESSURE		
(D) INITIAL CLOSED-IN PRESSURE		
(E) SECOND INITIAL FLOW PRESSURE		
(F) SECOND FINAL FLOW PRESSURE		
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	2593	2596.7

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 6662

Well Name & No. Jesse-N #1-18 Test No. #2 Date 11-7-93

Company Hugoton Energy Corp. Zone Tested Keys

Address 229 E. William, Suite 500 Wichita Ks 67202 Elevation 3359 (KB)

Co. Rep./Geo. Ken LeBlanc Cont. Murfin #22 Est. Ft. of Pay

Location: Sec. 18 Twp. 30 Rge. 40 Co. Stanton State Ks.

No. of Copies Distribution Sheet Yes X No Turnkey Yes X No Evaluation

Interval Tested 5317-5390 Drill Pipe Size 4.5 x-Hole

Anchor Length 73' Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 5310 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 5317 Wt. Pipe I.D. — 2.7 Ft. Run -

Total Depth 5390 Drill Collar — 2.25 Ft. Run

Mud Wt. 9.1 lb / gal. Viscosity 53 Filtrate 5.9

Tool Open @ 11:40 pm Initial Blow Packer failure

Final Blow

Recovery — Total Feet Feet of Gas in Pipe Flush Tool? NO

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

Rec. Feet Of %gas %oil %water %mud

BHT 111 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 2645 PSI AK1 Recorder No. 5495 Range 4200

(B) First Initial Flow Pressure PSI @ (depth) 5320 w/Clock No. 25813

(C) First Final Flow Pressure PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-In Pressure PSI @ (depth) 5387 w/Clock No. 25814

(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 Test X ME 500.00

(H) Final Hydrostatic Mud 2593 PSI Initial Shut-In Jars X 200.00

Final Flow Safety Joint X 50.00

Final Shut-In Straddle

Circ. Sub

Sampler

Extra Packer X 215.00 235.00 SHALE

Other Packer failure

TOTAL PRICE $ 965.00

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 Ken LeBlanc

Our Representative Tom Horacek

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name JESSE-N #1-18 Test No. 3 Date 11/10/93

Company HUGOTON ENERGY CORPORATION Zone KEYS

Address 229 E WILLIAM #500 WICHITA KS 67202 Elevation 3359

Co. Rep./Geo. KEN LEBLANC Cont. MURFIN RIG #22 Est. Ft. of Pay

Location: Sec. 18 Twp. 30S Rge. 40W Co. STANTON State KS

Interval Tested 5283-5418 Drill Pipe Size 4.5" XH

Anchor Length 135 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 5278-5283 Drill Collar – 2.25 Ft. Run 292

Bottom Packer Depth 5418 Mud Wt. 9.2 lb/Gal.

Total Depth 5620 Viscosity 58 Filtrate 5.5

Tool Open @ 12:30 PM Initial Blow WEAK BLOW BUILDING TO 11" IN 30 AFTER RESET PACKERS & ISI: BLED OFF BLOW - NO RETURN

Final Blow WEAK BLOW BUILDING TO BOTTOM OF BUCKET IN 40 MINUTES FSI: BLED OFF BLOW - NO RETURN

Recovery - Total Feet 760 Flush Tool? NO

Rec. 142 Feet of DRILLING AMUD

Rec. 150 Feet of MUD CUT WATER-70%WTR/ 30% MUD

Rec. 468 Feet of VERY SLIGHTLY MUD CUT WATER-99%WTR/ 1%MUD

Rec. Feet of

Rec. Feet of

BHT 134 °F Gravity °API @ °F Corrected Gravity °API

RW 0.35 @ 50 °F Chlorides 32000 ppm Recovery Chlorides 700 ppm System

(A) Initial Hydrostatic Mud 2614.9 PSI AK1 Recorder No. 13277 Range 4125

(B) First Initial Flow Pressure 315.9 PSI @ (depth) 5401 w / Clock No. 25828

(C) First Final Flow Pressure 346.1 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure 1567.2 PSI @ (depth) 5413 w / Clock No. 26199

(E) Second Initial Flow Pressure 394.9 PSI AK1 Recorder No. 13309 Range 4700

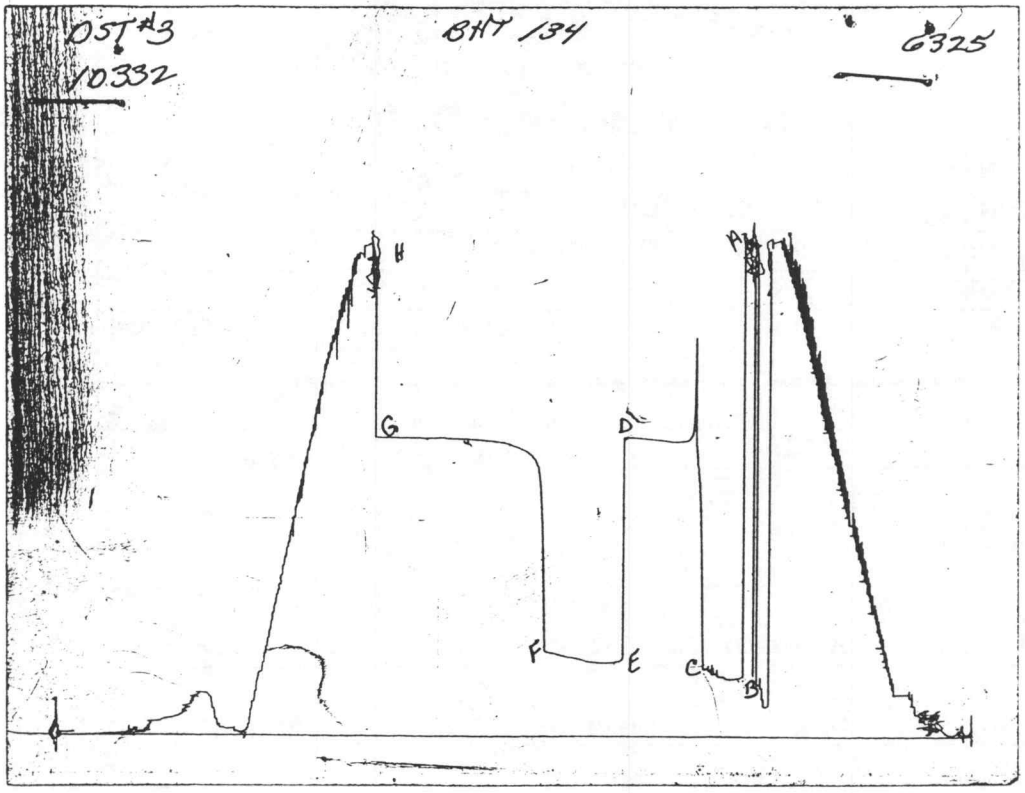
(F) Second Final Flow Pressure 452.7 PSI @ (depth) 5617 w / Clock No. 26192

(G) Final Shut-in Pressure 1571.6 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2594.9 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative PETE WAGGONER

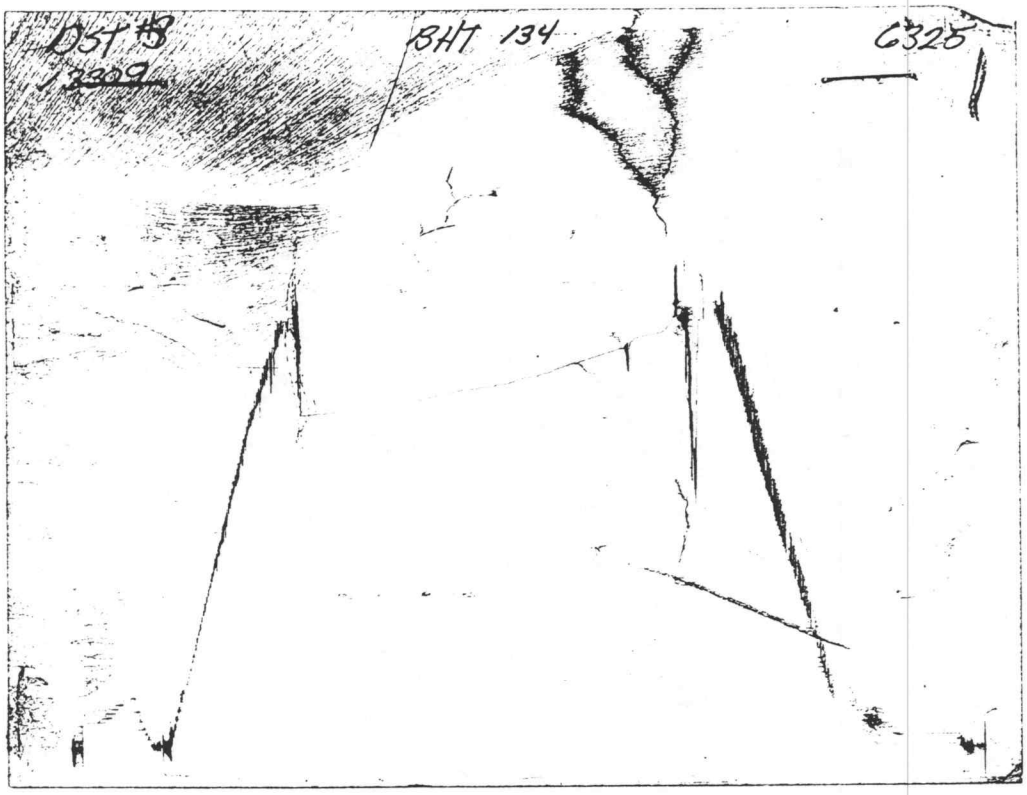
CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2609	2614.9
(B) FIRST INITIAL FLOW PRESSURE	303	315.9
(C) FIRST FINAL FLOW PRESSURE	344	346.1
(D) INITIAL CLOSED-IN PRESSURE	1569	1567.2
(E) SECOND INITIAL FLOW PRESSURE	384	394.9
(F) SECOND FINAL FLOW PRESSURE	445	452.7
(G) FINAL CLOSED-IN PRESSURE	1579	1571.6
(H) FINAL HYDROSTATIC MUD	2589	2594.9

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING

(A) INITIAL HYDROSTATIC MUD

(B) FIRST INITIAL FLOW PRESSURE

(C) FIRST FINAL FLOW PRESSURE

(D) INITIAL CLOSED-IN PRESSURE

(E) SECOND INITIAL FLOW PRESSURE

(F) SECOND FINAL FLOW PRESSURE

(G) FINAL CLOSED-IN PRESSURE

(H) FINAL HYDROSTATIC MUD

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

FOR
DAVID WITHROW
GEOLOGY

Test Ticket

№ 6325

Well Name & No. JESSE-N #1-18 Test No. 3 Date 11-10-93

Company Hugoton Energy Zone Tested Keyes

Address 229 E. William Suite 500 Wichita Ks. 67202 Elevation 3354 gr.

Co. Rep./Geo. Ken LeBlanc Cont. Murfin Drlg Rig 22 Est. Ft. of Pay

Location: Sec. 18 Twp. 30 Rge. 40 Co. Stanton State Ks.

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

Interval Tested 5283 - 5418 Drill Pipe Size 4½" XH

Anchor Length 135 Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 5278 - 5283 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth ~~5422~~ 5418 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 5620 Drill Collar — 2.25 Ft. Run 292'

Mud Wt. 9.2 lb / gal. Viscosity 58 Filtrate 5.5

Tool Open @ 12:30 pm Initial Blow weak blow building to 11" in 30 min [open tool @ 12:10 - 15] - bled off blow - no return [- had strong blow to bottom in 7 min tool then shut - 15] - bled off blow - no return

Final Blow weak blow building to bottom in 40 min. [lost packer seat - filled hole 45] - bled off blow - no return [Reset packers packers held.

Recovery — Total Feet 760 Feet of Gas in Pipe — Flush Tool? ok

Rec. 142 Feet Of drlg mud —%gas —%oil —%water 100%mud

Rec. 150' Feet Of ~~slightly~~ mud cut water —%gas —%oil 70%water 30%mud

Rec. 468 Feet Of very slightly mud cut water ~~%~~gas ~~%~~oil 99 %water 1 %mud

Rec. Feet Of %gas %oil %water %mud

Rec. Feet Of %gas %oil %water %mud

BHT 134 °F Gravity — °API @ — °F Corrected Gravity °API

RW .135 @ 50 °F Chlorides 32000 ppm Recovery Chlorides 700 ppm System

(A) Initial Hydrostatic Mud	2609 PSI	AK1 Recorder No.	13277	Range	4125
(B) First Initial Flow Pressure	303 PSI	@ (depth)	5401	w/Clock No.	25828
(C) First Final Flow Pressure	344 PSI	AK1 Recorder No.	10337	Range	4050
(D) Initial Shut-In Pressure	1569 PSI	@ (depth)	~~5401~~ 5413	w/Clock No.	26199
(E) Second Initial Flow Pressure	384 PSI	AK1 Recorder No.	13309	Range	4700
(F) Second Final Flow Pressure	445 PSI	@ (depth)	5617	w/Clock No.	26192
(G) Final Shut-In Pressure	1579 PSI	Initial Opening	30	Test	700.00
(H) Final Hydrostatic Mud	2589 PSI	Initial Shut-In	60	Jars	200.00
		Final Flow	60	Safety Joint	50.00
		Final Shut-In	120	Straddle	250.00
				Circ. Sub	NC
				Sampler	
				Extra Packer	SHALE ~~345.00~~
				Other	
				TOTAL PRICE $	1415.00

Approved By Ken LeBlanc

Our Representative Pete Waggoner

Printcraft Printers - Hays, KS