TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: UHLAND #2 | Test No.: 1 | Date: 8/6/94

Company: ABERCROMBIE DRILLING INC | Zone: MARMATON

Address: 150 N MAIN #801 WICHITA KS 67202 | Elevation: 3140

Co. Rep./Geo.: JOHN HASTINGS | Cont.: ABERCROMBIE DRLG RIG #8 | Est. Ft. of Pay:

Location: Sec.: 25 | Twp.: 20 | Rge.: 35W | Co.: WICHITA | State: KS

Interval Tested: 4503-4517 | Drill Pipe Size: 4.5" XH

Anchor Length: 14 | Wt. Pipe I.D. - 2.7 Ft. Run: 498

Top Packer Depth: 4493 | Drill Collar – 2.25 Ft. Run:

Bottom Packer Depth: 4503 | Mud Wt.: 9.2 lb/Gal.

Total Depth: 4517 | Viscosity: 48 | Filtrate: 10.4

Tool Open @: 10:20 A.M. | Initial Blow: SURFACE TO BOTTOM OF BUCKET IN 20 MIN ISI: NO BLOW BAC

Final Blow: SURFACE TO BOTTOM OF BUCKET IN 35 MIN FSI: NO BLOW BACK

Recovery - Total Feet: 670 | Flush Tool?: NO

Rec. 180 Feet of WATER CUT MUD WITH SPECKS OF OIL 50%WATER/50%MUD

Rec. 490 Feet of SLIGHT MUD CUT WATER 90%WATER/10%MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT: 120 °F | Gravity: °API | @ °F | Corrected Gravity: °API

RW: 1.6 | @: 104 °F | Chlorides: 29000 ppm Recovery | Chlorides: 5000 ppm System

(A) Initial Hydrostatic Mud: 2129.0 PSI | AK1 Recorder No.: 11086 | Range: 4350

(B) First Initial Flow Pressure: 67.8 PSI | @ (depth): 4506 | w / Clock No.: 25828

(C) First Final Flow Pressure: 168.0 PSI | AK1 Recorder No.: 10332 | Range: 4050

(D) Initial Shut-in Pressure: 808.9 PSI | @ (depth): 4512 | w / Clock No.: 26199

(E) Second Initial Flow Pressure: 197.3 PSI | AK1 Recorder No.: | Range:

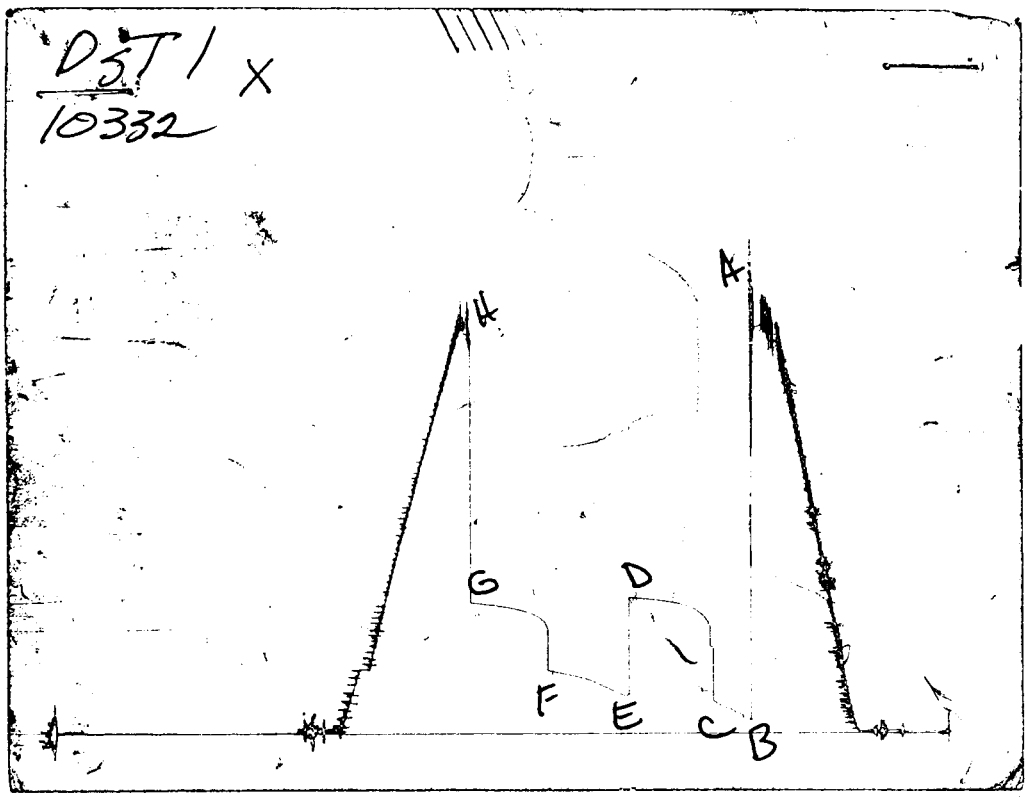
(F) Second Final Flow Pressure: 331.9 PSI | @ (depth): | w / Clock No.:

(G) Final Shut-in Pressure: 680.3 PSI | Initial Opening: 30 | Final Flow: 60

(H) Final Hydrostatic Mud: 2116.0 PSI | Initial Shut-in: 60 | Final Shut-in: 60

Our Representative: GARY SPEER

CHART PAGE



This is an actual photograph of recorder chart 10332

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2128	2129
(B) FIRST INITIAL FLOW PRESSURE	91	67.8
(C) FIRST FINAL FLOW PRESSURE	172	168
(D) INITIAL CLOSED-IN PRESSURE	709	808.9
(E) SECOND INITIAL FLOW PRESSURE	202	197.3
(F) SECOND FINAL FLOW PRESSURE	313	331.9
(G) FINAL CLOSED-IN PRESSURE	689	680.3
(H) FINAL HYDROSTATIC MUD	2128	2116

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Test Ticket

№ 7228

Well Name & No. Uhland #2 Test No. 1 Date 8-6-94

Company ABERCROMBIE, INC. Zone Tested Marmaton

Address 150 Main, STE 801 Elevation 3140 (GL)

Co. Rep./Geo. John Hastings Cont. Abercrombie #8 Est. Ft. of Pay

Location: Sec. 25 Twp. 20 Rge. 35 w Co. Wichita State Kan

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

Interval Tested 4503 - 4517 Drill Pipe Size 4½ XH

Anchor Length 14 Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 4493 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 4503 Wt. Pipe I.D. — 2.7 Ft. Run 498

Total Depth 4517 Drill Collar — 2.25 Ft. Run

Mud Wt. 9.2 lb/gal. Viscosity 48 Filtrate 10.4

Tool Open @ 10:20 AM Initial Blow Surface to bottom of bucket in 20 min.
ISI - No blow back

Final Blow Surface to bottom of bucket in 35 min.
FSIP - No blow back

Recovery — Total Feet 670 Feet of Gas in Pipe — Flush Tool? No

Rec. 180	Feet Of Wtr Cut Mud w/spks of oil	%gas	Speck %oil	50 %water	50 %mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec. 490	Feet Of Sli mud cut Wtr	%gas	%oil	90 %water	10 %mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud

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

RW 1.6 @ 104 °F Chlorides 29000 ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud	2128 PSI	AK1 Recorder No.	11086	Range	4350
(B) First Initial Flow Pressure	91 PSI	@ (depth)	4506	w/Clock No.	25828
(C) First Final Flow Pressure	172 PSI	AK1 Recorder No.	10332	Range	4050
(D) Initial Shut-In Pressure	709 PSI	@ (depth)	4512	w/Clock No.	26199
(E) Second Initial Flow Pressure	202 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	313 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	689 PSI	Initial Opening	30	Test ✓	600
(H) Final Hydrostatic Mud	2128 PSI	Initial Shut-In	60	Jars ✓	200
		Final Flow	60	Safety Joint ✓	50
		Final Shut-In	60	Straddle	
				Circ. Sub ✓	NC
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	850

Approved By John Hastings

Our Representative Gary Speer

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: UHLAND #2 | Test No.: 2 | Date: 8/10/94

Company: ABERCROMBIE DRILLING INC | Zone: ST. LOUIS

Address: 150 N MAIN #801 WICHITA KS 67202 | Elevation: 3140

Co. Rep./Geo.: JOHN HASTINGS | Cont.: ABERCROMBIE DRLG RIG #8 | Est. Ft. of Pay:

Location: Sec.: 25 | Twp.: 20 | Rge.: 35W | Co.: WICHITA | State: KS

Interval Tested: 5000-5050 | Drill Pipe Size: 4.5" XH

Anchor Length: 50 | Wt. Pipe I.D. - 2.7 Ft. Run: 498

Top Packer Depth: 4990 | Drill Collar – 2.25 Ft. Run:

Bottom Packer Depth: 5000 | Mud Wt.: 9.2 lb/Gal.

Total Depth: 5050 | Viscosity: 54 | Filtrate: 7.2

Tool Open @: 4:25 A.M | Initial Blow: SURFACE TO BOTTOM OF BUCKET IN 5 MIN ISI: NO BLOW BACK

Final Blow: SURFACE TO BOTTOM OF BUCKET IN 4 MIN FSI: NO BLOW BACK

Recovery - Total Feet: 2436 | Flush Tool?: NO

Rec. 180 Feet of WATERY MUD 20%WATER/80%MUD

Rec. 2256 Feet of WATER SLIGHT CUT SALT WATER 100% WATER

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT: 123 °F | Gravity: °API | @ °F | Corrected Gravity: °API

RW: 0.24 | @: 75 °F | Chlorides: 29000 ppm Recovery | Chlorides: 5000 ppm System

(A) Initial Hydrostatic Mud: 2496.6 PSI | AK1 Recorder No.: 11086 | Range: 4350

(B) First Initial Flow Pressure: 147.3 PSI | @ (depth): 5001 | w / Clock No.: 25828

(C) First Final Flow Pressure: 620.0 PSI | AK1 Recorder No.: 10332 | Range: 4050

(D) Initial Shut-in Pressure: 1248.9 PSI | @ (depth): 5044 | w / Clock No.: 26199

(E) Second Initial Flow Pressure: 671.7 PSI | AK1 Recorder No.: | Range:

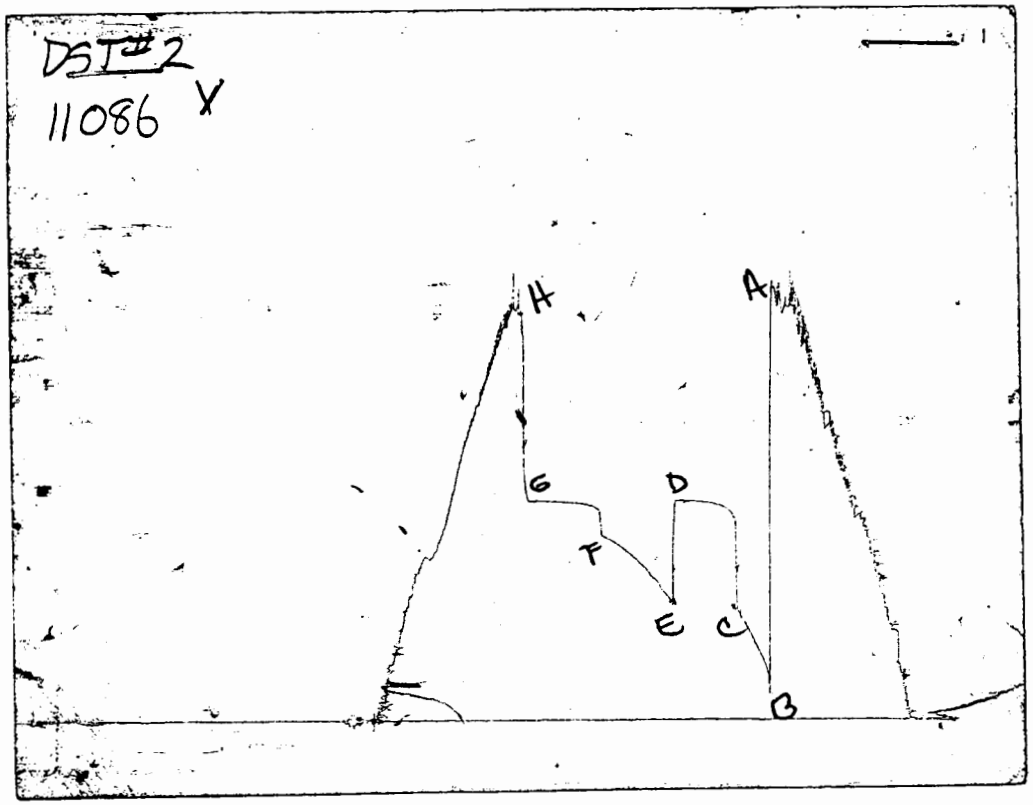
(F) Second Final Flow Pressure: 1054.5 PSI | @ (depth): | w / Clock No.:

(G) Final Shut-in Pressure: 1246.7 PSI | Initial Opening: 30 | Final Flow: 45

(H) Final Hydrostatic Mud: 2447.5 PSI | Initial Shut-in: 45 | Final Shut-in: 60

Our Representative: GARY SPEER

CHART PAGE



	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2360	2496.6
(B) FIRST INITIAL FLOW PRESSURE	163	147.3
(C) FIRST FINAL FLOW PRESSURE	620	620
(D) INITIAL CLOSED-IN PRESSURE	1248	1248.9
(E) SECOND INITIAL FLOW PRESSURE	667	671.7
(F) SECOND FINAL FLOW PRESSURE	1052	1054.5
(G) FINAL CLOSED-IN PRESSURE	1259	1246.7
(H) FINAL HYDROSTATIC MUD	2349	2447.5

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 7229

Well Name & No. Uhland #2 Test No. 2 Date 8-10-94

Company ABERCROMBIE, INC. Zone Tested St. Louis

Address 155 N Main, STE 801 Elevation 3140 (GL)

Co. Rep./Geo. John Hastings Cont. Abercrombie #8 Est. Ft. of Pay

Location: Sec. 25 Twp. 28 Rge. 35 W Co. Wichita State Kan

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

Interval Tested 5000 - 5050 Drill Pipe Size 4½ XH

Anchor Length 50 Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 4990 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 5000 Wt. Pipe I.D. — 2.7 Ft. Run 498

Total Depth 5050 Drill Collar — 2.25 Ft. Run —

Mud Wt. 9.2 lb/gal. Viscosity 54 Filtrate 7.2

Tool Open @ 4:25 AM Initial Blow Surface to bottom of bucket in 5 min ISI - No blow back

Final Blow Surface to bottom of bucket in 4 min. FSI - No blow back

Recovery — Total Feet 2436 Feet of Gas in Pipe — Flush Tool? No

Rec. 180	Feet Of	Watery Mud	%gas	%oil 20	%water 80	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. 2256	Feet Of	H_2S Cut Salt Water	%gas	%oil 100	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud

BHT 123 °F Gravity — °API @ — °F Corrected Gravity — °API

RW .24 @ 75 °F Chlorides 29,000 ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud	2360 PSI	AK1 Recorder No.	11086	Range	4350
(B) First Initial Flow Pressure	163 PSI	@ (depth)	5001	w/Clock No.	25828
(C) First Final Flow Pressure	620 PSI	AK1 Recorder No.	10332	Range	4056
(D) Initial Shut-In Pressure	1248 PSI	@ (depth)	5044	w/Clock No.	26199
(E) Second Initial Flow Pressure	667 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	1052 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	1259 PSI	Initial Opening	30	Test ✓	700
(H) Final Hydrostatic Mud	2349 PSI	Initial Shut-In	45	Jars ✓	200
		Final Flow	45	Safety Joint ✓	50
		Final Shut-In	60	Straddle	
				Circ. Sub ✓	Yes 35
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	985

Approved By John P. Hastings

Our Representative Gary Speer

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