TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: SCHULL #1 — Test No.: 1 — Date: 6/21/93

Company: B & T OIL COMPANY — Zone: KS CITY "H"

Address: 132 E LONG DIGHTON KS 67839 — Elevation: 2898 KB

Co. Rep./Geo.: B MORRIS/R NELSON — Cont.: MURFIN RIG #20 — Est. Ft. of Pay:

Location: Sec.: 20 — Twp.: 18S — Rge.: 30W — Co.: LANE — State: KS

Interval Tested: 4124-4150 — Drill Pipe Size: 4.5" XH

Anchor Length: 26 — Wt. Pipe I.D. - 2.7 Ft. Run:

Top Packer Depth: 4119 — Drill Collar – 2.25 Ft. Run: 362

Bottom Packer Depth: 4124 — Mud Wt.: 8.8 lb/Gal.

Total Depth: 4150 — Viscosity: 48 — Filtrate: 8

Tool Open @ 3:30 AM — Initial Blow: HIT BRIDGE @ 2300'-NOT ABLE TO WORK THROUGH PULLED OUT TO RECONDITION HOLE

Final Blow:

Recovery - Total Feet: — Flush Tool? NO

Rec. — Feet of

Rec. — Feet of

Rec. — Feet of

Rec. — Feet of

Rec. — Feet of

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

RW @ °F — Chlorides ppm Recovery — Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud PSI — AK1 Recorder No. 13309 — Range 4700

(B) First Initial Flow Pressure PSI — @ (depth) 4140 — w / Clock No. 27573

(C) First Final Flow Pressure PSI — AK1 Recorder No. 13339 — Range 4025

(D) Initial Shut-in Pressure PSI — @ (depth) 4145 — w / Clock No. 26191

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

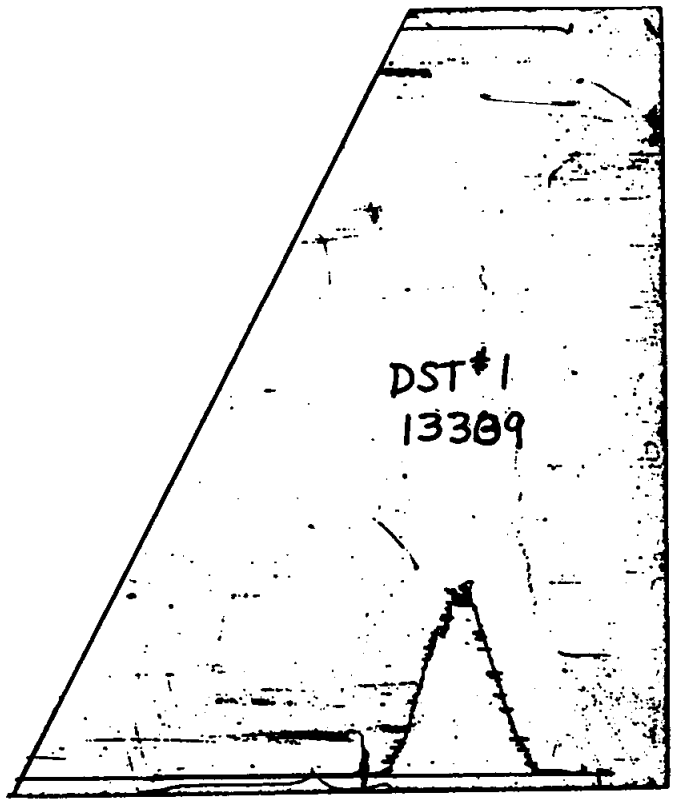
(F) Second Final Flow Pressure PSI — @ (depth) — w / Clock No.

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

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

Our Representative: ROD STEINBRINK

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

Test Ticket

No 5940

Well Name & No. Shull #1 Test No. 1 Date 6-21-93

Company B & T Oil Company Zone Tested KC 'H'

Address 132 E. Long Dighton, KS. 67839 Elevation 2898 (KB)

Co. Rep./Geo. Brian Morris/Ron Nelson cont. Murfin #20 Est. Ft. of Pay

Location: Sec. 20 Twp. 18 S Rge. 30 W Co. Lane. State KS.

No. of Copies 5 Distribution Sheet Yes X No Turnkey Yes X No NO Evaluation

Interval Tested 4124 - 4150 Drill Pipe Size 4½" XH

Anchor Length 26' Top Choke — 1" Bottom Choke — ¼"

Top Packer Depth 4119 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 4124 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4150 Drill Collar — 2.25 Ft. Run 362'

Mud Wt. 8.8 lb/gal. Viscosity 48 Filtrate 8.0

Tool Open @ 3:30 am Initial Blow Hit bridge @ 2300' not able to work through Pulled out to recondition hole

Final Blow

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

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 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure PSI @ (depth) 4140 w/Clock No. 27573

(C) First Final Flow Pressure PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-In Pressure PSI @ (depth) 4145 w/Clock No. 26191

(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 misrun -400.00

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

Final Flow Safety Joint

Final Shut-In Straddle

Circ. Sub X N/C

Sampler

Extra Packer

Other

Approved By Ron Nelson

Our Representative Rod Steinbrink

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: SCHULL #1 Test No. 2 Date 6/21/93

Company: B & T OIL COMPANY Zone KS CITY "H"

Address: 132 E LONG DIGHTON KS 67839 Elevation 2898 KB

Co. Rep./Geo.: B MORRIS/R NELSON Cont. MURFIN RIG #20 Est. Ft. of Pay

Location: Sec. 20 Twp. 18S Rge. 30W Co. LANE State KS

Interval Tested: 4124-4150 Drill Pipe Size: 4.5" XH

Anchor Length: 26 Wt. Pipe I.D. - 2.7 Ft. Run:

Top Packer Depth: 4119 Drill Collar -- 2.25 Ft. Run: 362

Bottom Packer Depth: 4124 Mud Wt.: 8.8 lb/Gal.

Total Depth: 4150 Viscosity: 48 Filtrate: 8

Tool Open @ 9:00 AM Initial Blow: WEAK SURFACE BLOW BUILT TO 1"

ISI: NO BLOW

Final Blow: WEAK SURFACE RETURN STEADY THROUGHOUT

FSI: NO BLOW

Recovery - Total Feet: 400 Flush Tool? NO

Rec. 400 Feet of DRILLING MUD WITH FEW SPECKS OIL IN TOOL

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 110 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud 2236.7 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 194.5 PSI @ (depth) 4140 w / Clock No. 27573

(C) First Final Flow Pressure 206.7 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 874.5 PSI @ (depth) 4145 w / Clock No. 26191

(E) Second Initial Flow Pressure 233.4 PSI AK1 Recorder No. Range

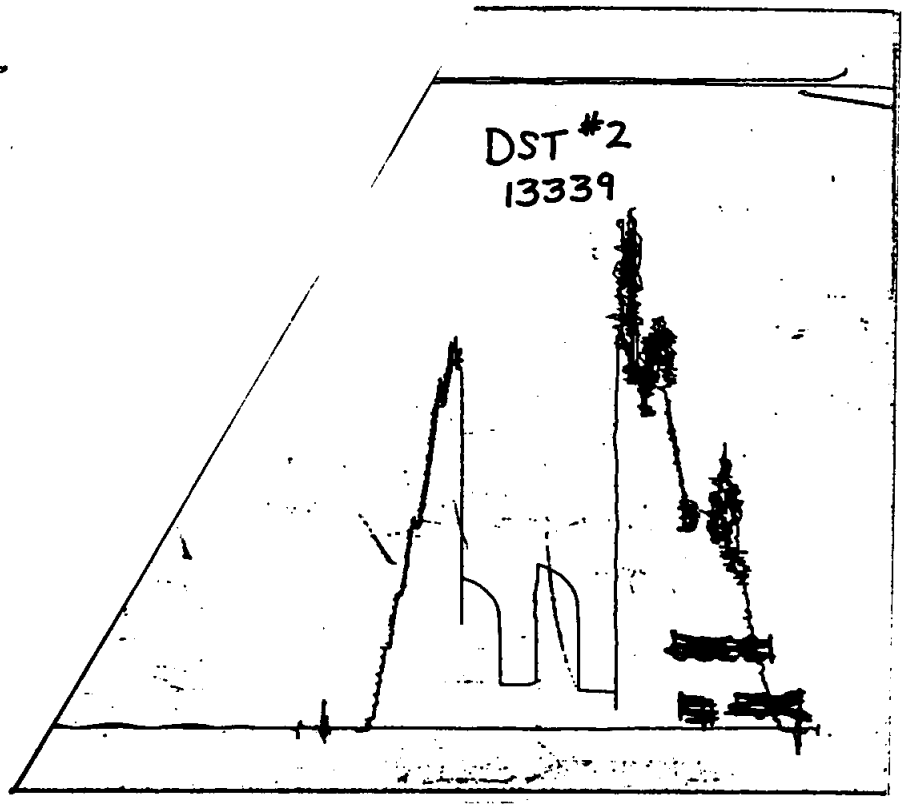
(F) Second Final Flow Pressure 233.4 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 804.5 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1977.4 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative ROD STEINBRINK

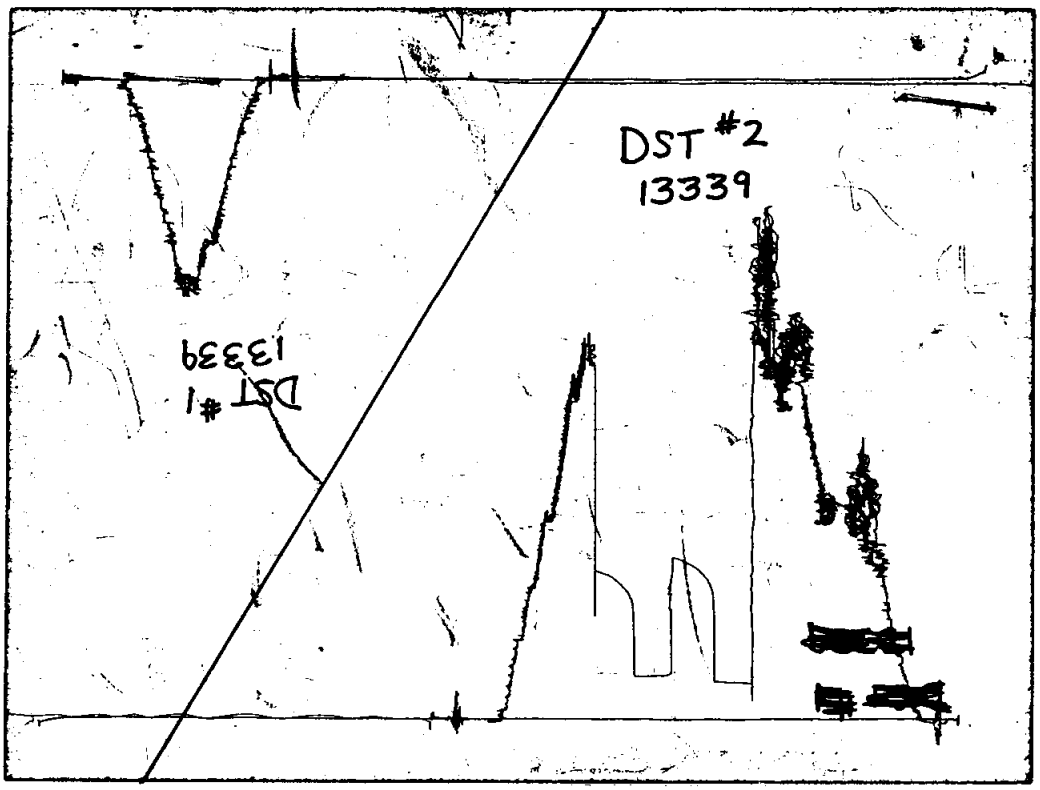
CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2223	2236.7
(B) FIRST INITIAL FLOW PRESSURE	187	194.5
(C) FIRST FINAL FLOW PRESSURE	197	206.7
(D) INITIAL CLOSED-IN PRESSURE	869	874.5
(E) SECOND INITIAL FLOW PRESSURE	228	233.4
(F) SECOND FINAL FLOW PRESSURE	228	233.4
(G) FINAL CLOSED-IN PRESSURE	799	804.5
(H) FINAL HYDROSTATIC MUD	1972	1977.4

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

Test Ticket

№ 5941

Well Name & No. Schull #1 Test No. 2 Date 6-21-93

Company B & T Oil Company Zone Tested KC. 'H'

Address 132 E. Long Dighton, KS. 67839 Elevation 2898 (KB)

Co. Rep./Geo. Brian Morris/Ron Nelson Cont. Murfin #20 Est. Ft. of Pay

Location: Sec. 20 Twp. 18 S Rge. 30 W Co. Lane State KS.

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

Interval Tested 4124 - 4150 Drill Pipe Size 4½" XH

Anchor Length 26' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4119 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4124 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4150 Drill Collar — 2.25 Ft. Run 362'

Mud Wt. 8.8 lb/gal. Viscosity 48 Filtrate 8.0

Tool Open @ 9:00 am. Initial Blow Weak surface blow built to 1"

ISI: No blow

Final Blow Weak surface return steady throughout.

FSI: No blow

Recovery — Total Feet 400' Feet of Gas In Pipe — Flush Tool? No

Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. 400'	Feet Of	Drlg. Mud	%gas	%oil	%water	%mud
Rec.	Feet Of	few specks oil in tool	%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud

BHT 110° °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud	2223 PSI	Ak1 Recorder No.	13309	Range	4700
(B) First Initial Flow Pressure	187 PSI	@ (depth)	4140	w/Clock No.	27573
(C) First Final Flow Pressure	197 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	869 PSI	@ (depth)	4145	w/Clock No.	26191
(E) Second Initial Flow Pressure	228 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	228 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	799 PSI	Initial Opening	30	Test	600.00
(H) Final Hydrostatic Mud	1972 PSI	Initial Shut-In	30	Jars	
		Final Flow	30	Safety Joint	
		Final Shut-In	30	Straddle	
				Circ. Sub	X N/C
				Sampler	
				Extra Packer	
				Other	

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 Ron Nelson

Our Representative Rod Steinbrink

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: SCHULL #1 | Test No. 3 | Date 6/22/93

Company: B & T OIL COMPANY | Zone KS CITY "L"

Address: 132 E LONG DIGHTON KS 67839 | Elevation 2898 KB

Co. Rep./Geo.: B MORRIS/R NELSON | Cont. MURFIN RIG #20 | Est. Ft. of Pay 5

Location: Sec. 20 | Twp. 18S | Rge. 30W | Co. LANE | State KS

Interval Tested: 4259-4299 | Drill Pipe Size: 4.5" XH

Anchor Length: 40 | Wt. Pipe I.D. - 2.7 Ft. Run:

Top Packer Depth: 4254 | Drill Collar – 2.25 Ft. Run: 362

Bottom Packer Depth: 4259 | Mud Wt.: 9 lb/Gal.

Total Depth: 4299 | Viscosity: 49 | Filtrate: 8.4

Tool Open @ 6:15 AM | Initial Blow: WEAK SURFACE BLOW STEADY THROUGHOUT

Final Blow: SURFACE RETURN GRADUALLY BUILT TO 1"

Recovery - Total Feet: 80 | Flush Tool? NO

Rec. 60	Feet of	GAS IN PIPE
Rec. 10	Feet of	FREE OIL - 5% GAS 95% OIL
Rec. 10	Feet of	SLTLY GSY MUD CUT OIL-5% GAS/ 55% OIL/ 40% MUD
Rec. 60	Feet of	OIL CUT MUD-30% OIL / 70% MUD
Rec.	Feet of	

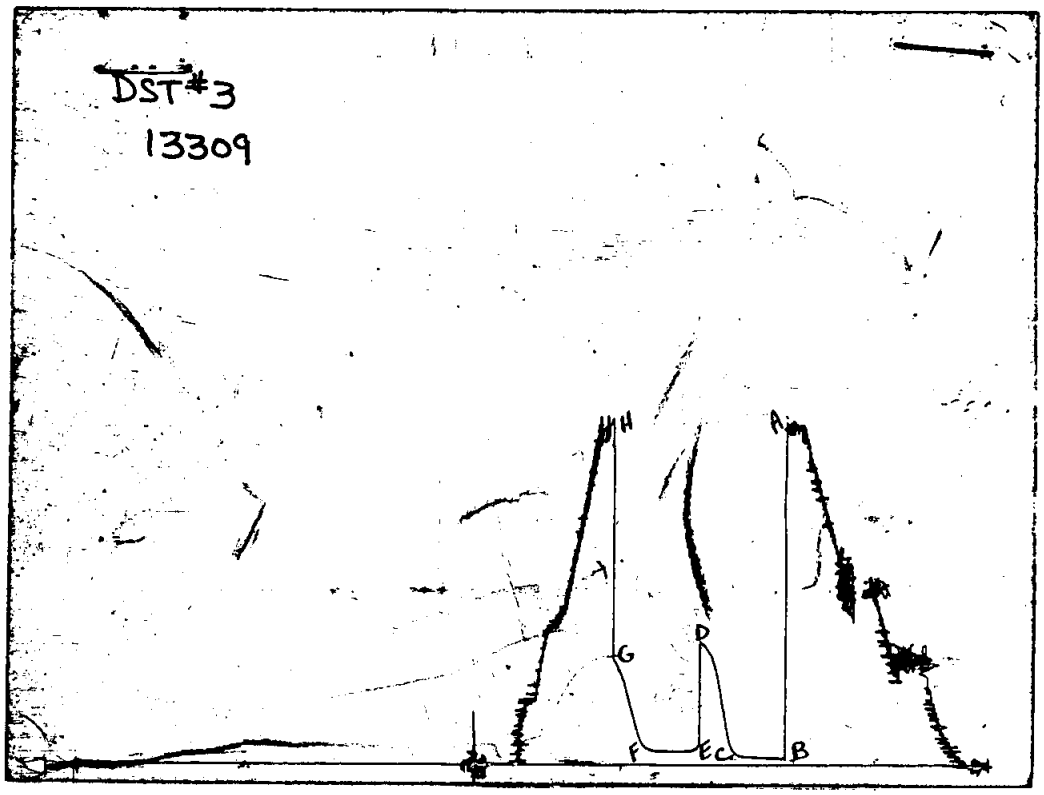
BHT 112 °F | Gravity 38 °API | @ 80 °F | Corrected Gravity 36 °API

RW @ °F | Chlorides ppm Recovery | Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud	2136.1 PSI	AK1 Recorder No. 13309	Range 4700
(B) First Initial Flow Pressure	43.6 PSI	@ (depth) 4289	w / Clock No. 27573
(C) First Final Flow Pressure	57.7 PSI	AK1 Recorder No. 13339	Range 4025
(D) Initial Shut-in Pressure	769.0 PSI	@ (depth) 4294	w / Clock No. 26191
(E) Second Initial Flow Pressure	87.2 PSI	AK1 Recorder No.	Range
(F) Second Final Flow Pressure	87.2 PSI	@ (depth)	w / Clock No.
(G) Final Shut-in Pressure	666.2 PSI	Initial Opening 30	Final Flow 30
(H) Final Hydrostatic Mud	2114.5 PSI	Initial Shut-in 30	Final Shut-in 30

Our Representative: ROD STEINBRINK

CHART PAGE



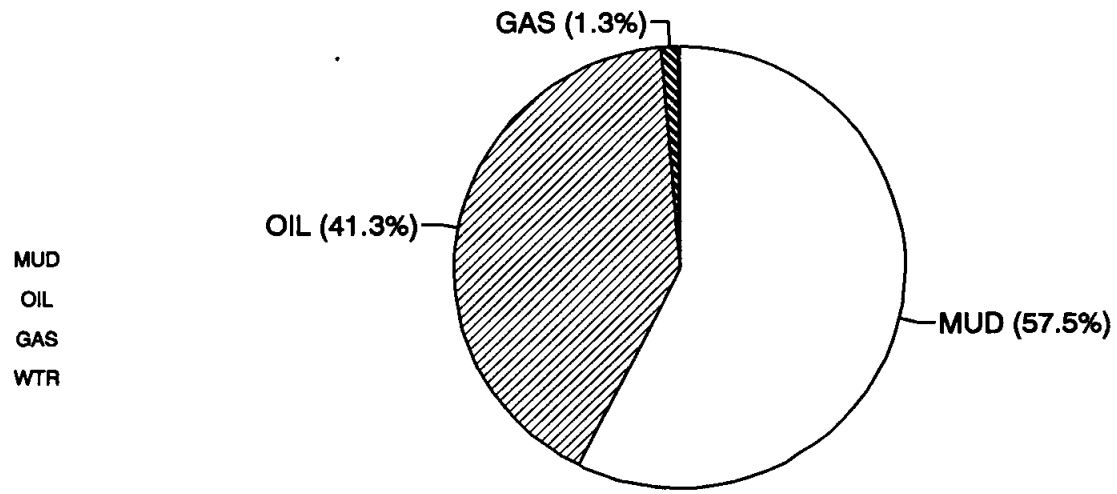
This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2136	2136.1
(B) FIRST INITIAL FLOW PRESSURE	35	43.6
(C) FIRST FINAL FLOW PRESSURE	58	57.7
(D) INITIAL CLOSED-IN PRESSURE	770	769
(E) SECOND INITIAL FLOW PRESSURE	70	87.2
(F) SECOND FINAL FLOW PRESSURE	82	87.2
(G) FINAL CLOSED-IN PRESSURE	650	666.2
(H) FINAL HYDROSTATIC MUD	2112	2114.5

DST # 3 TICKET 5942

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	10	5	0.5	95	9.5	0	0	0	0
2	10	5	0.5	55	5.5	0	0	40	4
3	60	0	0	30	18	0	0	70	42
4			0		0		0		0
5			0		0		0		0
TOTAL	80	1.25	1	41.25	33	0.00	0	57.5	46

			HRS OP	BBL/DAY
BBL OIL=	0.16137	*	1	3.87288
BBL WATER=	0	*		0
BBL MUD=	0.22494			
BBL GAS=	0.00489			



SCHULL #1
INITIAL

DST #3
SHUTIN
30 INITIAL FLOW TIME

SLOPE
P*

PSI/CYCLE
PSI

TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
3	60.1	1.041	60.1	11
6	76.6	0.778	16.5	6
9	126.1	0.637	49.5	4
12	194.5	0.544	68.4	4
15	306.6	0.477	112.1	3
18	462.2	0.426	155.6	3
21	590.9	0.385	128.7	2
24	680.5	0.352	89.6	2
27	718.8	0.325	38.3	2
30	748.7	0.301	29.9	2
33	769.0	0.281	20.3	2

SCHULL #1
FINAL

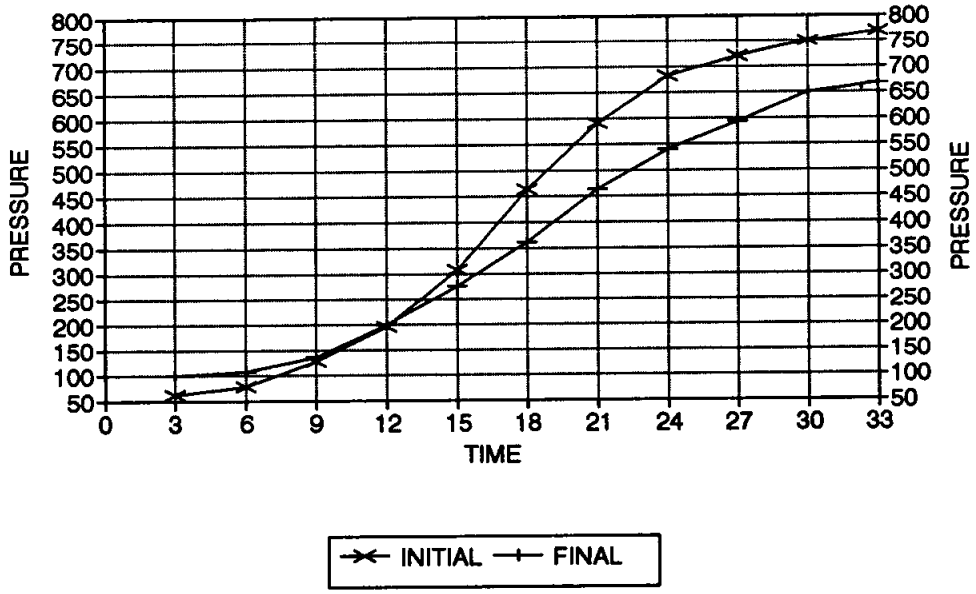
DST #3
SHUTIN
60 TOTAL FLOW TIME

SLOPE
P*

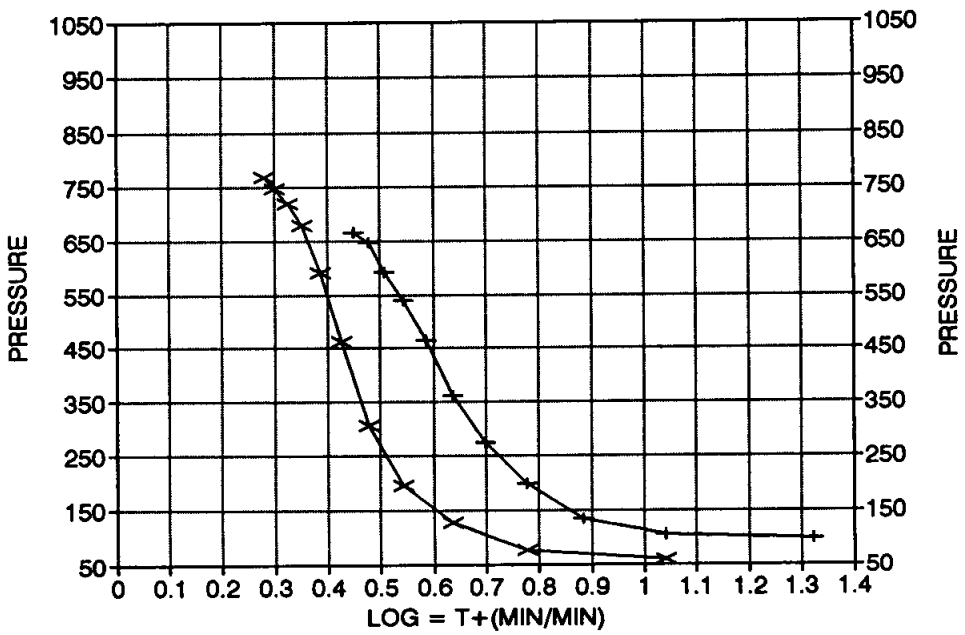
PSI/CYCLE
PSI

	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
3	99.0	1.322	99.0	21
6	106.1	1.041	7.1	11
9	134.4	0.885	28.3	8
12	199.2	0.778	64.8	6
15	274.7	0.699	75.5	5
18	362.0	0.637	87.3	4
21	463.4	0.586	101.4	4
24	539.5	0.544	76.1	4
27	593.2	0.508	53.7	3
30	648.2	0.477	55.0	3
33	666.2	0.450	18.0	3

SCHULL #1 / DST #3
DELTA T DELTA P



HORNER PLOT



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 5942

Well Name & No. Schull #1 Test No. 3 Date 6·22·93

Company B & T Oil Company Zone Tested KC 'L'

Address 132 E. Long Dighton, KS. 67839 Elevation 2898 (KB)

Co. Rep./Geo. Brian Morris/Ron Nelson cont. Murfin #20 Est. Ft. of Pay 5'

Location: Sec. 20 Twp. 18S Rge. 30W Co. Lane State KS.

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

Interval Tested 4259 - 4299 Drill Pipe Size 4½" XH

Anchor Length 40' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4254 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4259 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4299 Drill Collar — 2.25 Ft. Run ~~632'~~ 362

Mud Wt. 9.0 lb / gal. Viscosity 49 Filtrate 8.4

Tool Open @ 6:15 am. Initial Blow Weak surface blow steady throughout.

Final Blow Surface return gradually built to 1".

Recovery — Total Feet 80' Feet of Gas in Pipe ~~NA~~ 60' Flush Tool? No

Rec. 10'	Feet Of	Free Oil	5	%gas	95	%oil	—	%water	— %mud
Rec. 10'	Feet Of	SGMCO	5	%gas	55	%oil	—	%water	40 %mud
Rec. ~~30~~	Feet Of			%gas		%oil		%water	%mud
Rec. 60'	Feet Of	OCM	—	%gas	30	%oil	—	%water	70 %mud
Rec.	Feet Of			%gas		%oil		%water	%mud

BHT 112° °F Gravity 38 °API @ 80° °F Corrected Gravity 36 °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud	2136 PSI	AK1 Recorder No.	13309	Range	4700
(B) First Initial Flow Pressure	35 PSI	@ (depth)	4289	w/Clock No.	27573
(C) First Final Flow Pressure	58 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	770 PSI	@ (depth)	4294	w/Clock No.	26191
(E) Second Initial Flow Pressure	70 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	82 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	650 PSI	Initial Opening	30	Test	600.00
(H) Final Hydrostatic Mud	2112 PSI	Initial Shut-In	30	Jars	
		Final Flow	30	Safety Joint	
		Final Shut-In	30	Straddle	
				Circ. Sub	X N/C
				Sampler	
				Extra Packer	
				Other	(cut - partial)

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 [signature]

Our Representative Rod Steinbrink

WELL NAME Schull #1 DST # 3 RECORDER # 13309

INIT. HYD. MUD. 1.810 2136.1 FINAL HYD. MUD ——— 2114.5

INITIAL FLOW MINUTES / INTERVAL		INITIAL SHUTIN MINUTES / INTERVAL			FINAL FLOW MINUTES / INTERVAL		FINAL SHUTIN MINUTES / INTERVAL	
.037	436	.051		1	~~.089~~		.084 ~~.097~~	
.039		.065		2	~~.090~~		.090 ~~.103~~	
.039		.107		3	~~.092~~		.114 ~~.192~~	
.041		.165		4	.074	872	.169 ~~.293~~	
.041		.260		5	.074		.233 ~~.332~~	
.042		.392		6	.074		.307 ~~.412~~	
.042		.5		7	.074		.393 ~~.496~~	
.045		.575		8	.074		.457	
.048		.607		9	.074		.502	
.048		.632		10	.074		.548	
.049	577	.649	762.0	11	.074		.563	666.2
~~.051~~				12	.074	872		
~~.065~~				13	~~.098~~			
				14	~~.096~~			
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				
				23				
				24				
				25				
				26				
				27				

ISI

1	0.051	60.13903
2	0.065	76.64719
3	0.107	126.1754
4	0.165	194.5782
5	0.26	306.6024
6	0.392	462.2655
7	0.5	590.91
8	0.575	680.5801
9	0.607	718.8916
10	0.632	748.7683
11	0.649	769.0965

FSI

1	0.084	99.05616
2	0.09	106.1303
3	0.114	134.4309
4	0.169	199.295
5	0.233	274.764
6	0.307	362.025
7	0.393	463.4448
8	0.457	539.5867
9	0.502	593.2977
10	0.548	648.2678
11	0.563	666.2147

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: SCHULL #1 — Test No. 4 — Date 6/22/93

Company: B & T OIL COMPANY — Zone KS CITY "L"

Address: 132 E LONG DIGHTON KS 67839 — Elevation 2898 KB

Co. Rep./Geo.: B MORRIS/R NELSON — Cont. MURFIN RIG #20 — Est. Ft. of Pay 5

Location: Sec. 20 — Twp. 18S — Rge. 30W — Co. LANE — State KS

Interval Tested: 4301-4335 — Drill Pipe Size: 4.5" XH

Anchor Length: 34 — Wt. Pipe I.D. - 2.7 Ft. Run:

Top Packer Depth: 4296 — Drill Collar – 2.25 Ft. Run: 362

Bottom Packer Depth: 4301 — Mud Wt.: 9 lb/Gal.

Total Depth: 4335 — Viscosity: 50 — Filtrate: 8.4

Tool Open @ 7:05 PM — Initial Blow: SURFACE BLOW BUILT TO BOTTOM IN 6.5 MINUTES

ISI: BLED OFF BLOW -1/4" BLOW THROUGHOUT

Final Blow: SURFACE RETURN SLOWLY BUILT TO BOTTOM IN 15 MINUTES

FSI: BLED OFF BLOW - NO RETURN

Recovery - Total Feet: 630 — Flush Tool? NO

Rec. 10 — Feet of FREE OIL

Rec. 620 — Feet of MUD CUT WATER - 95% WTR / 5% MUD

Rec. — Feet of

Rec. — Feet of

Rec. — Feet of

BHT 112 °F — Gravity 38 °API — @ 74 °F Corrected Gravity 37 °API

RW 0.33 — @ 70 °F — Chlorides 21000 ppm Recovery — Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud: 2149.6 PSI — AK1 Recorder No. 13309 — Range 4700

(B) First Initial Flow Pressure: 77.8 PSI — @ (depth) 4325 — w / Clock No. 17640

(C) First Final Flow Pressure: 224.5 PSI — AK1 Recorder No. 13339 — Range 4025

(D) Initial Shut-in Pressure: 440.5 PSI — @ (depth) 4330 — w / Clock No. 27573

(E) Second Initial Flow Pressure: 285.6 PSI — AK1 Recorder No. — Range

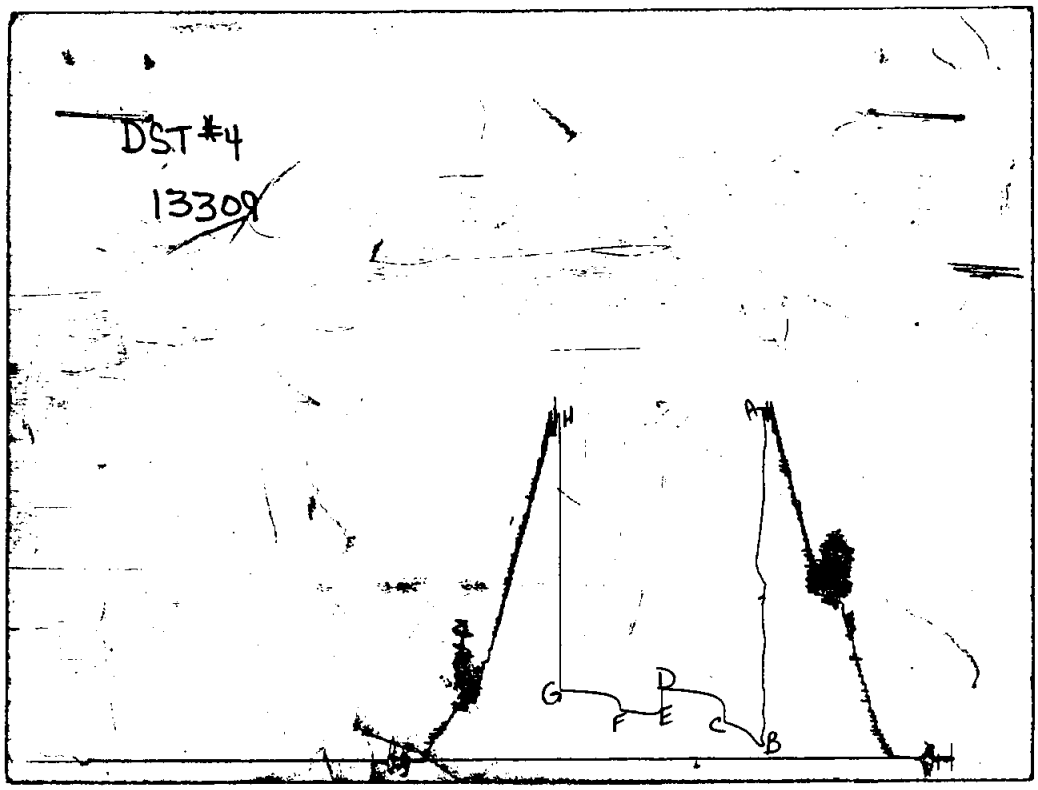
(F) Second Final Flow Pressure: 301.4 PSI — @ (depth) — w / Clock No.

(G) Final Shut-in Pressure: 440.5 PSI — Initial Opening 30 — Final Flow 30

(H) Final Hydrostatic Mud: 2122.5 PSI — Initial Shut-in 45 — Final Shut-in 45

Our Representative: ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2143	2149.6
(B) FIRST INITIAL FLOW PRESSURE	72	77.8
(C) FIRST FINAL FLOW PRESSURE	218	224.5
(D) INITIAL CLOSED-IN PRESSURE	436	440.5
(E) SECOND INITIAL FLOW PRESSURE	280	285.6
(F) SECOND FINAL FLOW PRESSURE	291	301.4
(G) FINAL CLOSED-IN PRESSURE	436	440.5
(H) FINAL HYDROSTATIC MUD	2123	2122.5

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 5943

Well Name & No. Schull #1 Test No. 4 Date 6-22-93

Company B & T Oil Company Zone Tested Kc Lwr 'L'

Address 132 E. Long Dighton, KS. 67839 Elevation 2898 (KB)

Co. Rep./Geo. Brian Morris/Ron Nelson Cont. Murfin #20 Est. Ft. of Pay 5'

Location: Sec. 20 Twp. 18 S Rge. 30 W Co. Lane State KS.

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

Interval Tested 4301 - 4335 Drill Pipe Size 4½" XH

Anchor Length 34' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4296 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4301 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4335 Drill Collar — 2.25 Ft. Run ~~632'~~ 362

Mud Wt. 9.0 lb/gal. Viscosity 50 Filtrate 8.4

Tool Open @ 7:05 pm Initial Blow Surface blow built to bottom in 6½ mins.

ISI: Bled off blow - ¼" blow throughout.

Final Blow Surface return slowly built to bottom in 15 mins.

FSI: Bled off blow - no return.

Recovery — Total Feet ~~450~~ 630' Feet of Gas in Pipe — Flush Tool? No

Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. 10'	Feet Of	FO	%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. 620'	Feet Of	MCW	%gas trc.	%oil 95	%water 5	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud

BHT 112 °F Gravity 38 °API @ 74 °F Corrected Gravity 37 °API

RW ~~5~~.33 @ ~~8~~ 70 °F Chlorides ~~3~~21,000 ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud	2143 PSI	AK1 Recorder No.	13309	Range	4700
(B) First Initial Flow Pressure	72 PSI	@ (depth)	4325	w/Clock No.	17640
(C) First Final Flow Pressure	218 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	436 PSI	@ (depth)	4330	w/Clock No.	27573
(E) Second Initial Flow Pressure	280 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	291 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	436 PSI	Initial Opening	30	Test	600.00
(H) Final Hydrostatic Mud	2123 PSI	Initial Shut-In	45	Jars	
		Final Flow	30	Safety Joint	
		Final Shut-In	45	Straddle	
				Circ. Sub	X N/C
				Sampler	
				Extra Packer	
				Other	

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 Ron Nelson

Our Representative Rod Steinbrink

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: SCHULL #1 — Test No. 5 — Date 6/23/92

Company: B & T OIL COMPANY — Zone MARMATON

Address: 132 E LONG DIGHTON KS 67839 — Elevation 2898 KB

Co. Rep./Geo.: B MORRIS/R NELSON — Cont. MURFIN RIG #20 — Est. Ft. of Pay

Location: Sec. 20 — Twp. 18S — Rge. 30W — Co. LANE — State KS

Interval Tested	4325-4410	Drill Pipe Size	4.5" XH
Anchor Length	85	Wt. Pipe I.D. - 2.7 Ft. Run	
Top Packer Depth	4320	Drill Collar – 2.25 Ft. Run	352
Bottom Packer Depth	4325	Mud Wt.	9.1 lb/Gal.
Total Depth	4410	Viscosity 47	Filtrate 8.8

Tool Open @ 11:45 AM — Initial Blow: SURFACE BLOW BUILT TO 1"

ISI: NO BLOW

Final Blow: WEAK SURFACE BLOW BUILT TO 1/4"

FSI: NO BLOW

Recovery - Total Feet: 70 — Flush Tool? NO

Rec. 70 — Feet of SLIGHTLY SPECKLED--DRILLING MUD

Rec. — Feet of

Rec. — Feet of

Rec. — Feet of

Rec. — Feet of

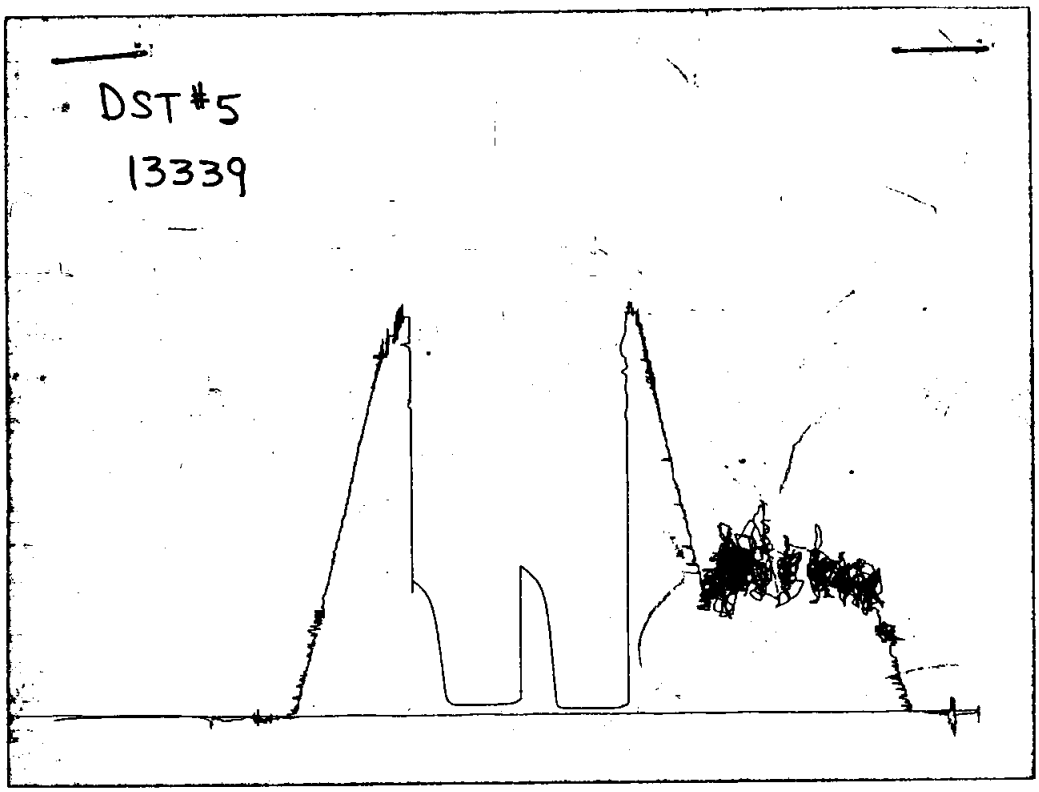
BHT 113 °F — Gravity — °API @ — °F Corrected Gravity — °API

RW — @ — °F — Chlorides — ppm Recovery — Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud	2139.5 PSI	AK1 Recorder No.	13309	Range	4700
(B) First Initial Flow Pressure	49.8 PSI	@ (depth)	4335	w / Clock No.	17640
(C) First Final Flow Pressure	49.8 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-in Pressure	816.4 PSI	@ (depth)	4405	w / Clock No.	27573
(E) Second Initial Flow Pressure	51.4 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	51.4 PSI	@ (depth)		w / Clock No.	
(G) Final Shut-in Pressure	746.5 PSI	Initial Opening	45	Final Flow	45
(H) Final Hydrostatic Mud	2116.2 PSI	Initial Shut-in	30	Final Shut-in	30

Our Representative: ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2133	2139.5
(B) FIRST INITIAL FLOW PRESSURE	41	49.8
(C) FIRST FINAL FLOW PRESSURE	41	49.8
(D) INITIAL CLOSED-IN PRESSURE	809	816.4
(E) SECOND INITIAL FLOW PRESSURE	62	51.4
(F) SECOND FINAL FLOW PRESSURE	62	51.4
(G) FINAL CLOSED-IN PRESSURE	739	746.5
(H) FINAL HYDROSTATIC MUD	2113	2116.2

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 5944

Well Name & No. Schull #1 Test No. 5 Date 6-23-93

Company B & T Oil Company Zone Tested Marmaton

Address 132 E. Long Dighton, KS. 67839 Elevation 2898 (KB)

Co. Rep./Geo. Brian Morris/Ron Nelson Cont. Murfin #20 Est. Ft. of Pay

Location: Sec. 20 Twp. 18 S Rge. 30 W Co. Lane State KS.

No. of Copies 5 Distribution Sheet ___ Yes X No Turnkey ___ Yes X No ___ Evaluation

Interval Tested 4325 - 4410 Drill Pipe Size 4½" XH

Anchor Length 85' Top Choke — 1" ___ Bottom Choke — ¾" ___

Top Packer Depth 4320 Hole Size — 7⅞" ___ Rubber Size — 6¾" ___

Bottom Packer Depth 4325 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4410 Drill Collar — 2.25 Ft. Run 352'

Mud Wt. 9.1 lb/gal. Viscosity 47 Filtrate 8.8

Tool Open @ 11:45 am Initial Blow Surface blow built to 1".

ISI: No blow

Final Blow Weak surface blow built to 1/4"

FSI: No blow

Recovery — Total Feet 70' Feet of Gas in Pipe — Flush Tool? No

Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. 70'	Feet Of Slightly Speckled	%gas	%oil	%water	%mud
Rec. ___	Feet Of Drlg. Mud	%gas	%oil	%water	%mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud

BHT 113° °F Gravity ___ °API @ ___ °F Corrected Gravity ___ °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 3,000 ppm System

(A) Initial Hydrostatic Mud	2133 PSI	Ak1 Recorder No.	13309	Range	4700
(B) First Initial Flow Pressure	41 PSI	@ (depth)	4335	w/Clock No.	17640
(C) First Final Flow Pressure	41 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	809 PSI	@ (depth)	4405	w/Clock No.	27573
(E) Second Initial Flow Pressure	62 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	62 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	739 PSI	Initial Opening	45	Test	
(H) Final Hydrostatic Mud	2113 PSI	Initial Shut-In	30	Jars	
		Final Flow	45	Safety Joint	
		Final Shut-In	30	Straddle	
				Circ. Sub	X N/C
				Sampler	
				Extra Packer	
				Other	

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Approved By Ron Nelson

Our Representative Rod Steinbrink