TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name JACK LEE #1-5 Test No. 1 Date 2/26/94

Company WANKER OIL Zone LANSING "C"

Address R.R. 2 BOX 14 WAKEENEY KS 67672 Elevation 3031 KB

Co. Rep./Geo. MARK TORR Cont. EMPHASIS [illegible] OPER RIG #8 Est. Ft. of Pay

Location: Sec. 5 Twp. 13S Rge. 33W Co. LOGAN State KS

Interval Tested 3973-4000 Drill Pipe Size 4.5" XH

Anchor Length 27 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3968 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 3973 Mud Wt. 9.3 lb/Gal.

Total Depth 4000 Viscosity 42 Filtrate 9.6

Tool Open @ 12:50 PM Initial Blow WEAK TO FAIR BLOW - (1-8" IN DIESEL)

Final Blow WEAK TO FAIR BLOW - (1.5 TO 9")

Recovery - Total Feet 186 Flush Tool? NO

Rec. 62 Feet of MUDDY WATER WITH OIL SPECKS-55% WATER/ 45% MUD

Rec. 124 Feet of MUDDY WATER- 94% WTR/ 6% MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 109 °F Gravity °API @ °F Corrected Gravity °API

RW 0.29 @ 67 °F Chlorides 36000 ppm Recovery Chlorides 3500 ppm System

(A) Initial Hydrostatic Mud 1910.2 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 32.1 PSI @ (depth) 3997 w / Clock No. 22993

(C) First Final Flow Pressure 59.5 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1038.5 PSI @ (depth) 3992 w / Clock No. 30410

(E) Second Initial Flow Pressure 74.3 PSI AK1 Recorder No. Range

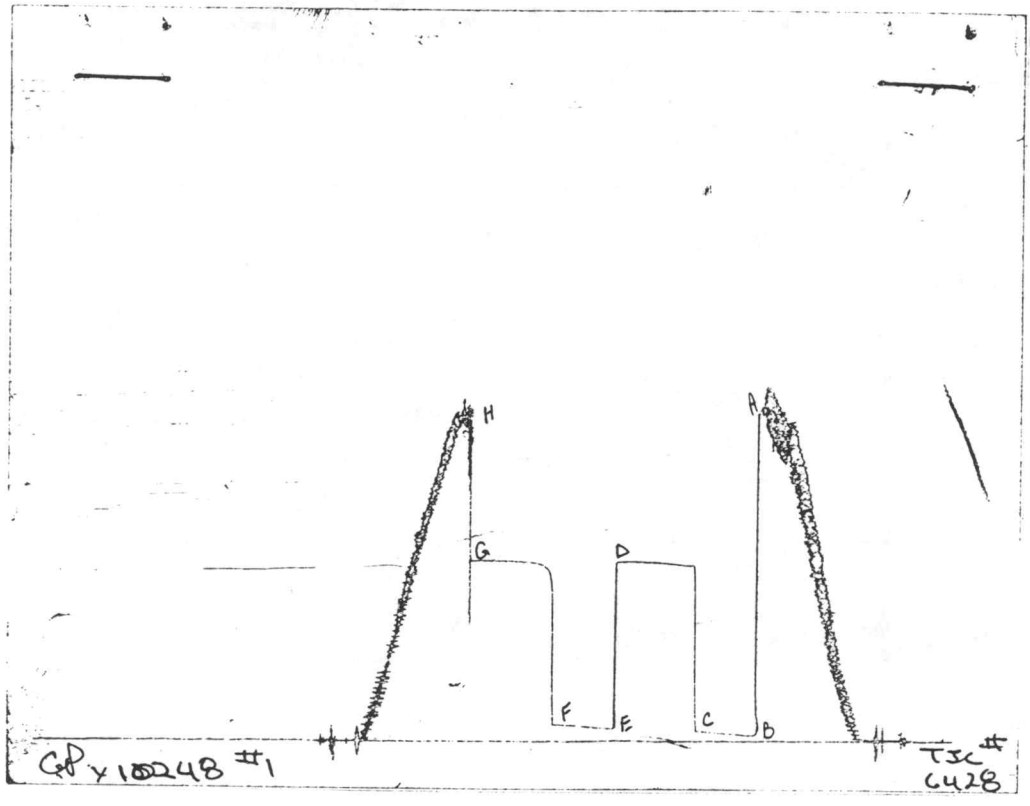
(F) Second Final Flow Pressure 95.9 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1042.9 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 1840.1 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1905	1910.2
(B) FIRST INITIAL FLOW PRESSURE	21	32.1
(C) FIRST FINAL FLOW PRESSURE	60	59.5
(D) INITIAL CLOSED-IN PRESSURE	1028	1038.5
(E) SECOND INITIAL FLOW PRESSURE	68	74.3
(F) SECOND FINAL FLOW PRESSURE	87	95.9
(G) FINAL CLOSED-IN PRESSURE	1028	1042.9
(H) FINAL HYDROSTATIC MUD	1850	1840.1

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Drill-Stem Test Data

Well Name JACK LEE #1-5 Test No. 2 Date 2/27/94

Company WANKER OIL Zone LANSING "H"

Address R.R. 2 BOX 14 WAKEENEY KS 67672 Elevation 3031 KB

Co. Rep./Geo. MARK TORR Cont. EMPHASIS OIL OPER RIG #8 Est. Ft. of Pay

Location: Sec. 5 Twp. 13S Rge. 33W Co. LOGAN State KS

Interval Tested 4102-4135 Drill Pipe Size 4.5" XH

Anchor Length 33 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4097 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4102 Mud Wt. 9.3 lb/Gal.

Total Depth 4135 Viscosity 43 Filtrate 8.8

Tool Open @ 11:45 AM Initial Blow WEAK BLOW - (1/2 TO 1" IN WATER)

Final Blow WEAK BLOW-(1/2 TO 1.5" IN WATER)

Recovery - Total Feet 20 Flush Tool? NO

Rec. 20 Feet of WATERY MUD- 12% WTR/ 88% MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

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

RW 3.61 @ 71 °F Chlorides 8000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 1985.9 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 26.4 PSI @ (depth) 4132 w / Clock No. 22993

(C) First Final Flow Pressure 34.4 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1209.1 PSI @ (depth) 4127 w / Clock No. 30410

(E) Second Initial Flow Pressure 39.1 PSI AK1 Recorder No. Range

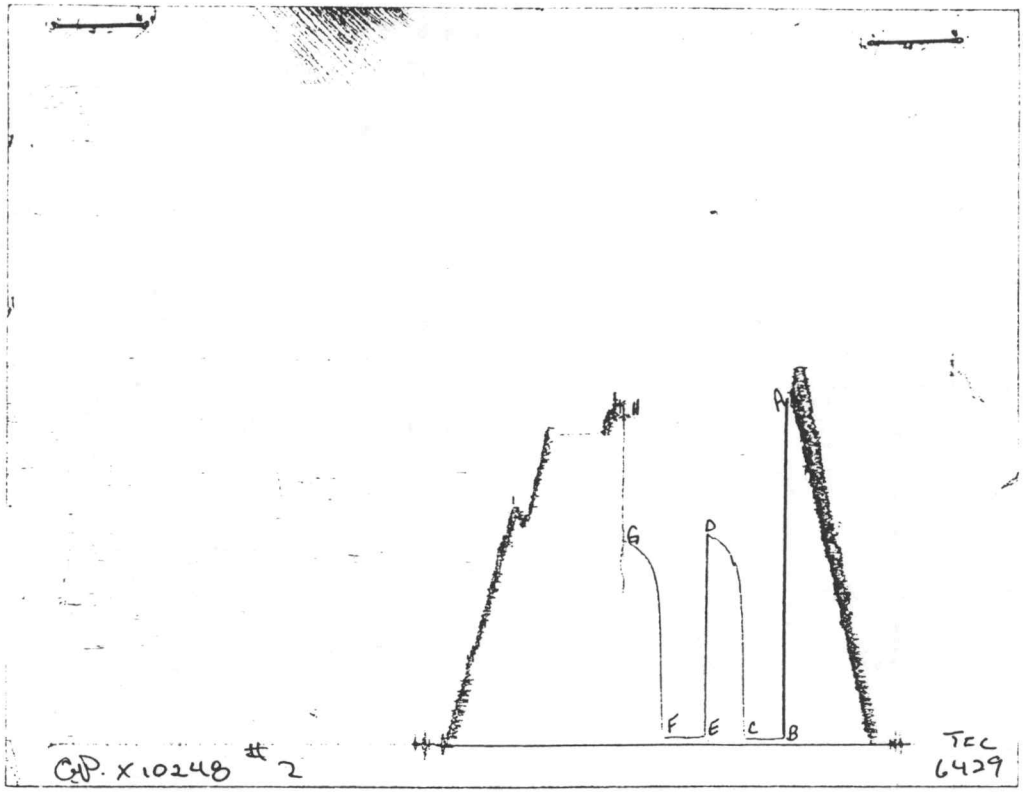
(F) Second Final Flow Pressure 41.3 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1173.1 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1953.1 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1986	1985.9
(B) FIRST INITIAL FLOW PRESSURE	23	26.4
(C) FIRST FINAL FLOW PRESSURE	28	34.4
(D) INITIAL CLOSED-IN PRESSURE	1206	1209.1
(E) SECOND INITIAL FLOW PRESSURE	30	39.1
(F) SECOND FINAL FLOW PRESSURE	32	41.3
(G) FINAL CLOSED-IN PRESSURE	1168	1173.1
(H) FINAL HYDROSTATIC MUD	1931	1953.1

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name JACK LEE #1-5 Test No. 3 Date 2/28/94

Company WANKER OIL Zone LANSING "I"

Address R.R. 2 BOX 14 WAKEENEY KS 67672 Elevation 3031 KB

Co. Rep./Geo. MARK TORR Cont. EMPHASIS OIL OPER RIG #8 Est. Ft. of Pay

Location: Sec. 5 Twp. 13S Rge. 33W Co. LOGAN State KS

Interval Tested 4138-4171 Drill Pipe Size 4.5" XH

Anchor Length 33 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4133 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4138 Mud Wt. 9.3 lb/Gal.

Total Depth 4171 Viscosity 45 Filtrate 8.8

Tool Open @ 2:15 AM Initial Blow WEAK BLOW - (1/2")

Final Blow WEAK BLOW - (1/4" OR LESS)

Recovery - Total Feet 10 Flush Tool? NO

Rec. 10 Feet of MUD WITH OIL SPECKS

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

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

RW @ °F Chlorides 5000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2011.2 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 34.4 PSI @ (depth) 4168 w / Clock No. 22993

(C) First Final Flow Pressure 37.8 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1180.6 PSI @ (depth) 4163 w / Clock No. 30410

(E) Second Initial Flow Pressure 32.1 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 32.1 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure PSI Initial Opening 15 Final Flow 5

(H) Final Hydrostatic Mud 2004.6 PSI Initial Shut-in 15 Final Shut-in NONE

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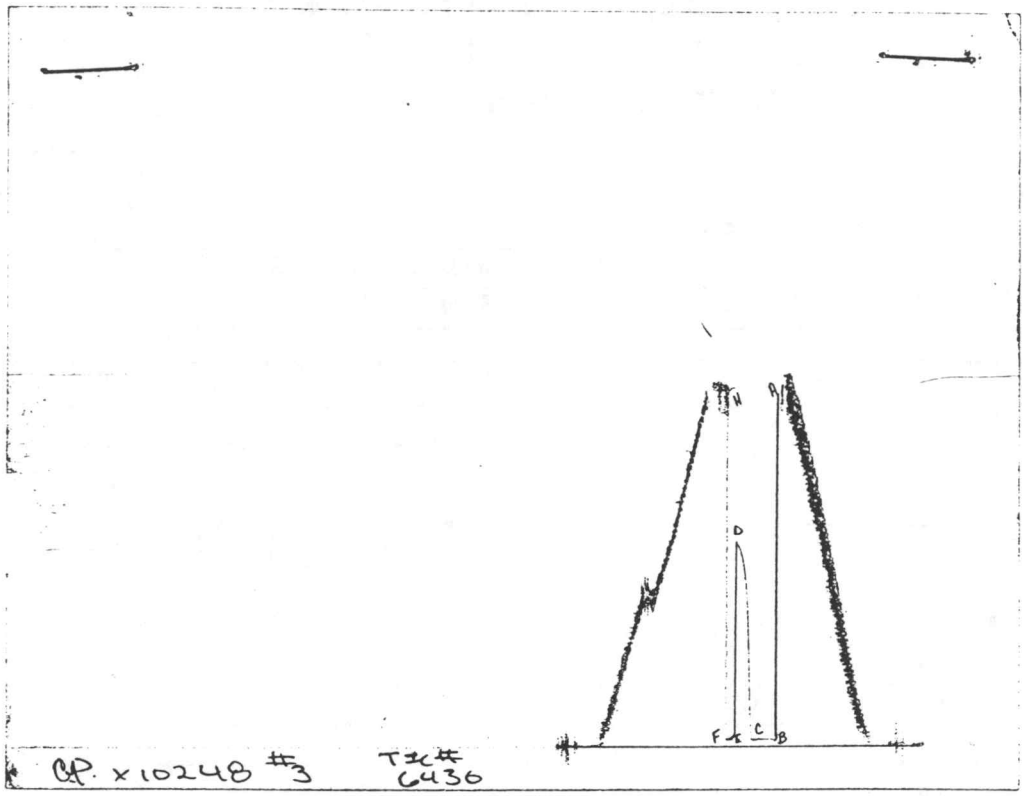
CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2012	2011.2
(B) FIRST INITIAL FLOW PRESSURE	27	34.4
(C) FIRST FINAL FLOW PRESSURE	28	37.8
(D) INITIAL CLOSED-IN PRESSURE	1165	1180.6
(E) SECOND INITIAL FLOW PRESSURE	28	32.1
(F) SECOND FINAL FLOW PRESSURE	28	32.1
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	1986	2004.6

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name JACK LEE #1-5 Test No. 4 Date 2/28/94

Company WANKER OIL Zone LANSING "K"

Address R.R. 2 BOX 14 WAKEENEY KS 67672 Elevation 3031 KB

Co. Rep./Geo. MARK TORR Cont. EMPHASIS OIL OPER RIG #8 Est. Ft. of Pay

Location: Sec. 5 Twp. 13S Rge. 33W Co. LOGAN State KS

Interval Tested 4190-4236

Anchor Length 46

Top Packer Depth 4185

Bottom Packer Depth 4190

Total Depth 4236

Drill Pipe Size 4.5" XH

Wt. Pipe I.D. - 2.7 Ft. Run

Drill Collar – 2.25 Ft. Run

Mud Wt. 9.3 lb/Gal.

Viscosity 45 Filtrate 9.6

Tool Open @ 4:20 PM Initial Blow WEAK BLOW - (1/4")

Final Blow WEAK BLOW - SURFACE

Recovery - Total Feet 10 Flush Tool? NO

Rec. 10 Feet of 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 6000 ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 2087.1 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 44.7 PSI @ (depth) 4233 w / Clock No. 22993

(C) First Final Flow Pressure 44.7 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1181.7 PSI @ (depth) 4228 w / Clock No. 30410

(E) Second Initial Flow Pressure 57.2 PSI AK1 Recorder No. Range

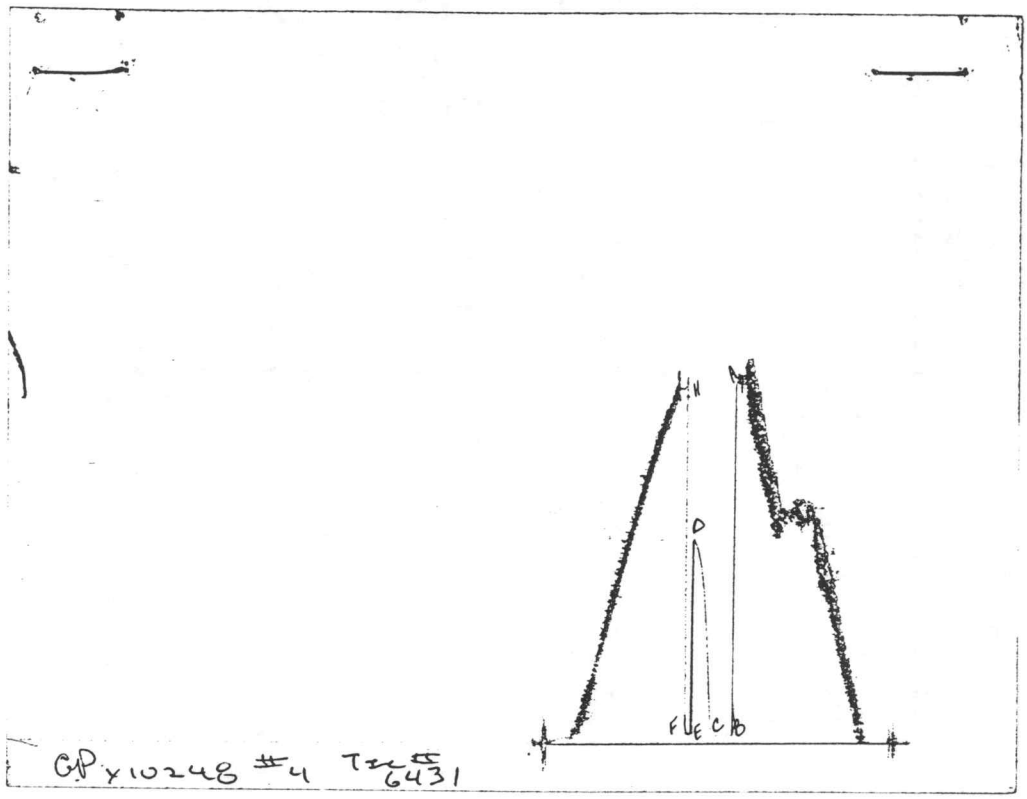
(F) Second Final Flow Pressure 57.2 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure PSI Initial Opening 15 Final Flow 5

(H) Final Hydrostatic Mud 2040.8 PSI Initial Shut-in 15 Final Shut-in NONE

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2069	2087.1
(B) FIRST INITIAL FLOW PRESSURE	29	44.7
(C) FIRST FINAL FLOW PRESSURE	30	44.7
(D) INITIAL CLOSED-IN PRESSURE	1165	1181.7
(E) SECOND INITIAL FLOW PRESSURE	30	57.2
(F) SECOND FINAL FLOW PRESSURE	30	57.2
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	2025	2040.8

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name JACK LEE #1-5 Test No. 5 Date 3/2/94

Company WANKER OIL Zone JOHNSON

Address R.R. 2 BOX 14 WAKEENEY KS 67672 Elevation 3031 KB

Co. Rep./Geo. MARK TORR Cont. EMPHASIS OIL OPER RIG #8 Est. Ft. of Pay

Location: Sec. 5 Twp. 13S Rge. 33W Co. LOGAN State KS

Interval Tested 4496-4540 Drill Pipe Size 4.5" XH

Anchor Length 44 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4491 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4496 Mud Wt. 9.5 lb/Gal.

Total Depth 4540 Viscosity 48 Filtrate 11.2

Tool Open @ 12:20 AM Initial Blow STRONG BLOW-BOTTOM OF BUCKET IN 6 MINUTES

Final Blow STRONG BLOW-BOTTOM OF BUCKET IN 6 MINUTES

Recovery - Total Feet 260 Flush Tool? NO

Rec. 1104 Feet of GAS IN PIPE

Rec. 105 Feet of CLEAN OIL-2%GAS/98%OIL

Rec. 93 Feet of GSY MUD CUT OIL-15%GAS/45%OIL/40%MUD

Rec. 62 Feet of GSY OIL CUT MUD-15%GAS/15%OIL/70%MUD

Rec. Feet of CLEAN OIL AT TOP OF TOOL

BHT 122 °F Gravity 37 °API @ 63 °F Corrected Gravity 37 °API

RW @ °F Chlorides 6000 ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 2252.1 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 52.7 PSI @ (depth) 4537 w / Clock No. 22993

(C) First Final Flow Pressure 83.4 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 510.6 PSI @ (depth) 4532 w / Clock No. 30410

(E) Second Initial Flow Pressure 95.9 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 133.3 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 507.3 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2216.7 PSI Initial Shut-in 30 Final Shut-in 30

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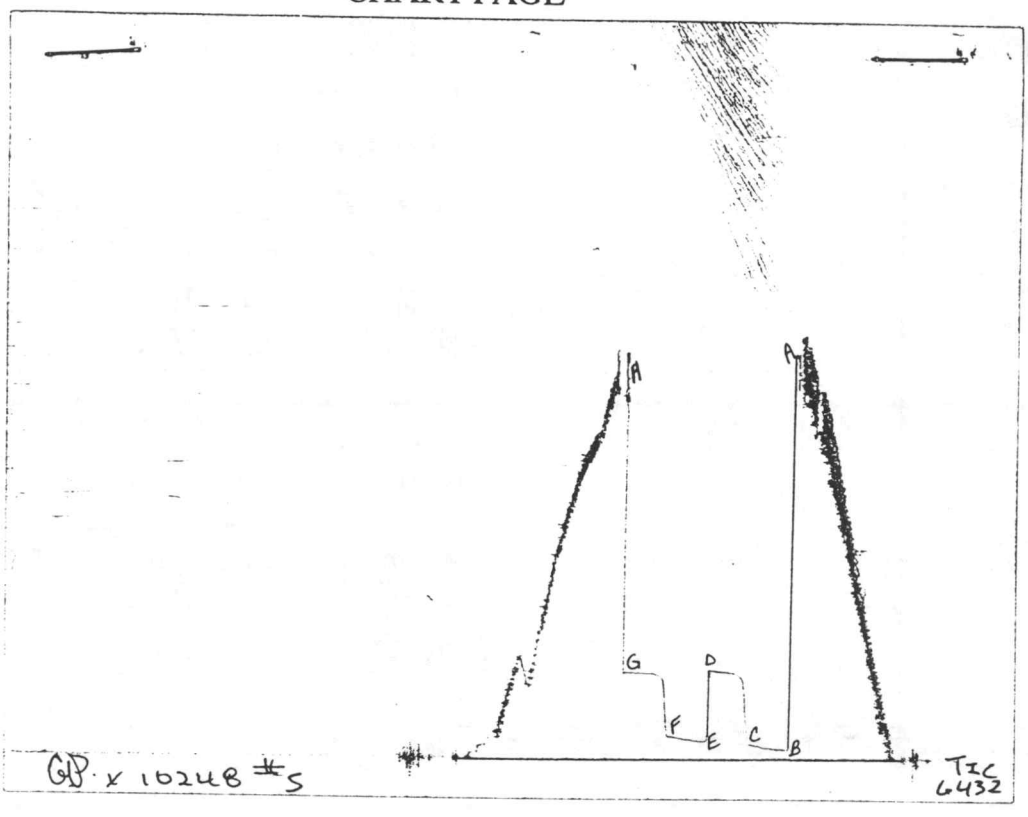
CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2250	2252.1
(B) FIRST INITIAL FLOW PRESSURE	32	52.7
(C) FIRST FINAL FLOW PRESSURE	69	83.4
(D) INITIAL CLOSED-IN PRESSURE	495	510.6
(E) SECOND INITIAL FLOW PRESSURE	80	95.9
(F) SECOND FINAL FLOW PRESSURE	110	133.3
(G) FINAL CLOSED-IN PRESSURE	493	507.3
(H) FINAL HYDROSTATIC MUD	2195	2216.7

CALCULATED RECOVERY ANALYSIS DRILL PIPE

DST # 5 TICKET 6432

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	105	2	2.1	98	102.9	0	0	0	0
2	93	15	13.95	45	41.85	0	0	40	37.2
3	62	15	9.3	15	9.3	0	0	70	43.4
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	260	9.75	25.35	59.3	154.05	0	0	31	80.6

			HRS	BBL/DAY
BBL OIL=	2.190591	*	1	52.574
BBL WATER=	0	*		0
BBL MUD=	1.146132			
BBL GAS	0.360477