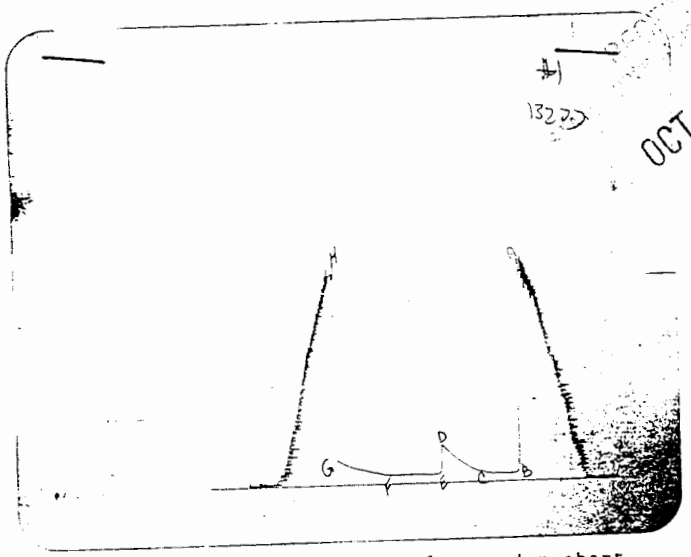
Computer Inventoried

8-15-18W



This is an actual photograph of recorder chart

POINT		FIELD READING	OFFICE READING
)	INITIAL HYDROSTATIC MUD	1823	1833.6
)	FIRST INITIAL FLOW PRESSURE	49	51.2
)	FIRST FINAL FLOW PRESSURE	58	63.2
)	INITIAL CLOSED-IN PRESSURE	297	302.1
)	SECOND INITIAL FLOW PRESSURE	58	63.2
)	SECOND FINAL FLOW PRESSURE	58	63.2
)	FINAL CLOSED-IN PRESSURE	181	190.4
)	FINAL HYDROSTATIC MUD	1756	1760.4

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name MARCELLUS RUDER "B" #3 Test No. 1 Date 9/10/91
Company DIEHL OIL INC Zone Tested TORONTO-LKC A
Address 205 EAST 13th HAYS KANSAS 67601 Elevation 2010
Co. Rep./Geo. GLENN DIEHL Cont. EMPHASIS RIG #8 Est. Ft. of Pay
Location: Sec. 8 Twp. 15S Rge. 18W Co. ELLIS State KS

Interval Tested 3235-3295 Drill Pipe Size 4.5 XH
Anchor Length 60 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 3230 Drill Collar — 2.25 Ft. Run
Bottom Packer Depth 3235
Total Depth 3295

Mud Wt. 9.8 lb / gal. Viscosity 46 Filtrate 9.6

Tool Open @ 10:17 AM Initial Blow 1/2" BLOW BUILDING TO 7"

Final Blow 4" BLOW BUILDING TO BOTTOM OF BUCKET IN 8 MINUTES

Recovery — Total Feet 90 Flush Tool? YES

Rec. 240 Feet of GAS IN PIPE

Rec. 90 Feet of GASSY SLTLY OIL CUT MUD-20%GAS/10%OIL/70%MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 106 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 1833.6 PSI AK1 Recorder No. 13277 Range 4125

(B) First Initial Flow Pressure 51.2 PSI @ (depth) 3270 w/Clock No. 17639

(C) First Final Flow Pressure 63.2 PSI AK1 Recorder No. 24174 Range 3350

(D) Initial Shut-in Pressure 302.1 PSI @ (depth 3294 w/Clock No. 17640

(E) Second Initial Flow Pressure 63.2 PSI AK1 Recorder No. Range

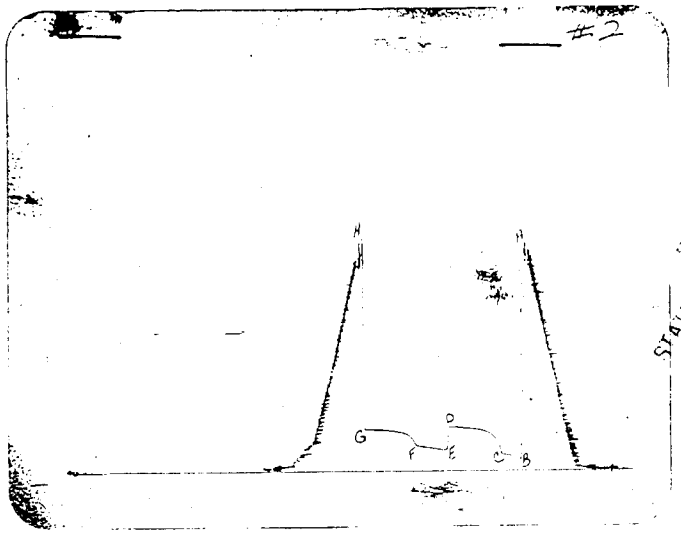
(F) Second Final Flow Pressure 63.2 PSI @ (depth) w/Clock No.

(G) Final Shut-in Pressure 190.4 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 1760.4 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative PAUL SIMPSON TOTAL PRICE $ 600

Printcraft Printers - Hays, KS



This is an actual photograph of recorder chart

POINT	PRESSURE	FIELD READING	OFFICE READING
)	INITIAL HYDROSTATIC MUD	1840	1850.6
)	FIRST INITIAL FLOW PRESSURE	91	99.3
)	FIRST FINAL FLOW PRESSURE	116	124.7
)	INITIAL CLOSED-IN PRESSURE	338	344.5
)	SECOND INITIAL FLOW PRESSURE	157	162.3
)	SECOND FINAL FLOW PRESSURE	181	190.4
)	FINAL CLOSED-IN PRESSURE	330	339.6
)	FINAL HYDROSTATIC MUD	1765	1766.8

TRILOBITE TESTING COMPANY

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Drill-Stem Test Data

Well Name MARCELLUS RUDER "B" #3 Test No. 2 Date 9/11/91
Company DIEHL OIL INC Zone Tested LKC-"C-E"
Address 205 EAST 13th HAYS KANSAS 67601 Elevation 2010
Co. Rep./Geo. GLENN DIEHL Cont. EMPHASIS RIG #8 Est. Ft. of Pay
Location: Sec. 8 Twp. 15S Rge. 18W Co. ELLIS State KS

Interval Tested 3295-3356 Drill Pipe Size 4.5 XH
Anchor Length 61 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 3290 Drill Collar — 2.25 Ft. Run
Bottom Packer Depth 3295
Total Depth 3356

Mud Wt. 9.9 lb / gal. Viscosity 48 Filtrate 11.2

Tool Open @ 5:56 AM Initial Blow STRONG 4" BLOW BUILDING TO BOTTOM OF BUCKET IN 3 MINUTES-(4" BLOW BACK ON SHUT IN)
Final Blow 3" BLOW BUILDING TO BOTTOM OF BUCKET IN 4 MINUTES 2" BLOW BACK ON SHUT IN

Recovery — Total Feet 330/G.I.P./90' Flush Tool? YES

Rec. 90 Feet of GASSY MUD-10%GAS/90%MUD
Rec. 60 Feet of GSY SLTLY OIL & WTR CUT MUD-30%GAS5%OIL/5%WTR/60%MUD
Rec. 60 Feet of GSY SLTLY OIL & WTR CUT MUD-25%GAS/10%OIL/15%WTR/50%MUD
Rec. 60 Feet of GSY SLTLY OIL & WTR CUT MUD-20%GAS/10%OIL/30%WTR/40%MUD
Rec. 60 Feet of SLTLY OIL CUT WTRY MUD-5%OIL/40%WATER/55% MUD

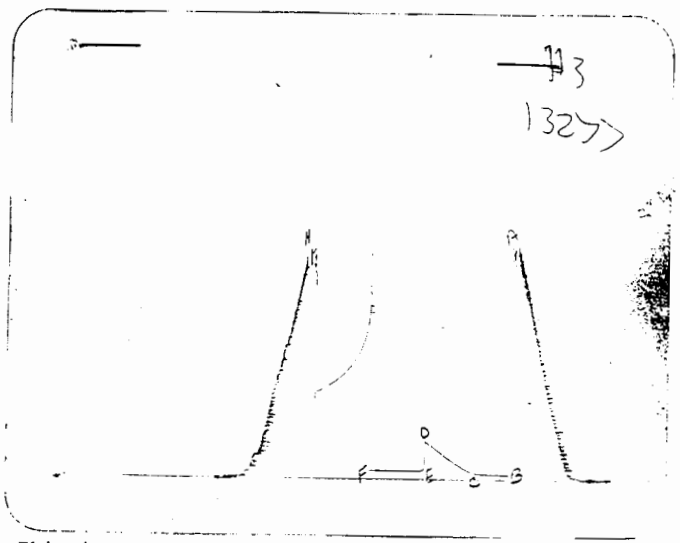
BHT 104 °F Gravity °API @ °F Corrected Gravity °API

RW 0.15 @ 83 °F Chlorides 42000 ppm Recovery Chlorides 68000 ppm System

(A) Initial Hydrostatic Mud 1850.6 PSI AK1 Recorder No. 13277 Range 4125
(B) First Initial Flow Pressure 99.3 PSI @ (depth) 3230 w/Clock No. 17639
(C) First Final Flow Pressure 124.7 PSI AK1 Recorder No. 24174 Range 3350
(D) Initial Shut-In Pressure 344.5 PSI @ (depth 3355 w/Clock No. 30401
(E) Second Initial Flow Pressure 162.3 PSI AK1 Recorder No. Range
(F) Second Final Flow Pressure 190.4 PSI @ (depth) w/Clock No.
(G) Final Shut-In Pressure 339.6 PSI Initial Opening 25 Final Flow 35
(H) Final Hydrostatic Mud 1766.8 PSI Initial Shut-In 60 Final Shut-In 60

Our Representative PAUL SIMPSON TOTAL PRICE $ 600

Printcraft Printers - Hays, KS



This is an actual photograph of recorder chart

RECEIVED
KANSAS CORPORATION COMMISSION
OCT 02 1991

POINT	FIELD READING	OFFICE READING
	PRESSURE	
INITIAL HYDROSTATIC MUD	1923	1930.4
FIRST INITIAL FLOW PRESSURE	49	51.2
FIRST FINAL FLOW PRESSURE	49	51.2
INITIAL CLOSED-IN PRESSURE	305	310.2
SECOND INITIAL FLOW PRESSURE	58	63.2
SECOND FINAL FLOW PRESSURE	58	63.2
FINAL CLOSED-IN PRESSURE	INVALID	INVALID
FINAL HYDROSTATIC MUD	1898	1905.6

TRILOBITE TESTING COMPANY

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Drill-Stem Test Data

Well Name MARCELLUS RUDER "B" #3 Test No. 3 Date 9/12/91
Company DIEHL OIL INC Zone Tested LKC-"H-I-J"
Address 205 EAST 13th HAYS KANSAS 67601 Elevation 2010
Co. Rep./Geo. GLENN DIEHL Cont. EMPHASIS RIG #8 Est. Ft. of Pay
Location: Sec. 8 Twp. 15S Rge. 18W Co. ELLIS State KS

Interval Tested 3405-3470 Drill Pipe Size 4.5 XH
Anchor Length 65 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 3400 Drill Collar — 2.25 Ft. Run
Bottom Packer Depth 3405
Total Depth 3470

Mud Wt. 9.9 lb / gal. Viscosity 50 Filtrate 10.4

Tool Open @ 2:55 AM Initial Blow 1" BLOW BUILDING TO BOTTOM OF BUCKET IN 19 MINUTE

Final Blow 6" BLOW BUILDING TO BOTTOM OF BUCKET IN 5 MINUTES
(DRILLER PICKED TOOL UP TOO HIGH ON FSI-TRAPPED HYDROSTATIC)

Recovery — Total Feet 90 Flush Tool? NO

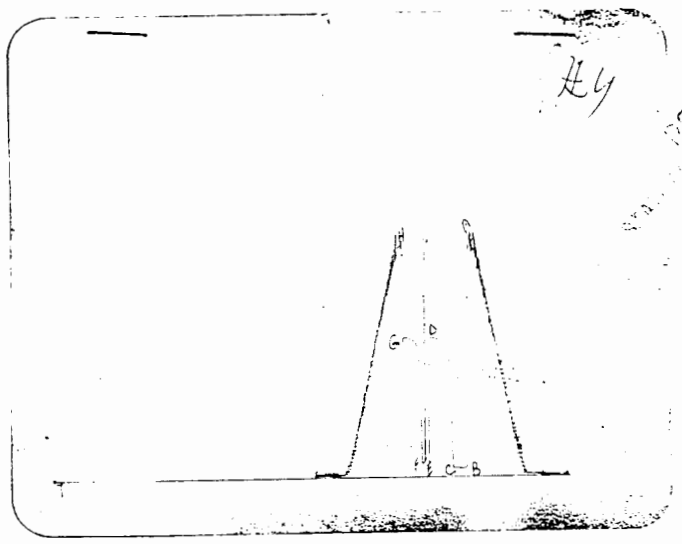
Rec. 510 Feet of GAS IN PIPE
Rec. 30 Feet of GSY SLTLY OIL CUT MUD-10%GAS/5%OIL/85%MUD
Rec. 60 Feet of GSY SLTLY OIL CUT MUD-10%GAS/10%OIL/80%MUD
Rec. Feet of
Rec. Feet of
BHT 105 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 1930.4 PSI AK1 Recorder No. 13277 Range 4125
(B) First Initial Flow Pressure 51.2 PSI @ (depth) 3440 w/Clock No. 30401
(C) First Final Flow Pressure 51.2 PSI AK1 Recorder No. 24174 Range 3350
(D) Initial Shut-In Pressure 310.2 PSI @ (depth 3469 w/Clock No. 17640
(E) Second Initial Flow Pressure 63.2 PSI AK1 Recorder No. Range
(F) Second Final Flow Pressure 63.2 PSI @ (depth) w/Clock No.
(G) Final Shut-In Pressure INVALID PSI Initial Opening 30 Final Flow 60
(H) Final Hydrostatic Mud 1905.6 PSI Initial Shut-In 60 Final Shut-In 60

Our Representative PAUL SIMPSON TOTAL PRICE $ 600

Printcraft Printers - Hays, KS



This is an actual photograph of recorder chart

OCT 0 2 1991

POINT	PRESSURE FIELD READING	PRESSURE OFFICE READING
A) INITIAL HYDROSTATIC MUD	2032	2040.6
B) FIRST INITIAL FLOW PRESSURE	58	57.3
C) FIRST FINAL FLOW PRESSURE	66	70.2
D) INITIAL CLOSED-IN PRESSURE	1137	1141.5
E) SECOND INITIAL FLOW PRESSURE	82	90.6
F) SECOND FINAL FLOW PRESSURE	82	90.6
G) FINAL CLOSED-IN PRESSURE	1137	1141.5
H) FINAL HYDROSTATIC MUD	1948	1944.7

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name MARCELLUS RUDER "B" #3 Test No. 4 Date 9/13/91
Company DIEHL OIL INC Zone Tested CONG-ARBUCKLE
Address 205 EAST 13th HAYS KANSAS 67601 Elevation 2010
Co. Rep./Geo. GLENN DIEHL Cont. EMPHASIS RIG #8 Est. Ft. Of Pay
Location: Sec. 8 Twp. 15S Rge. 18W Co. ELLIS State KS

Interval Tested 3559-3594 Drill Pipe Size 4.5 XH
Anchor Length 35 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 3554 Drill Collar — 2.25 Ft. Run
Bottom Packer Depth 3559
Total Depth 3594

Mud Wt. 9.9 lb / gal. Viscosity 56 Filtrate 10.6

Tool Open @ 3:07 AM Initial Blow WEAK 1/2" BLOW DECREASING TO VERY WEAK SURFACE BLOW
Final Blow NO BLOW-FLUSHED TOOL-NO BLOW AFTER SURGE

Recovery — Total Feet 120 Flush Tool? YES/2nd OPEN

Rec. 120 Feet of SLTLY OIL CUT MUD-7%OIL/93%MUD
Rec. Feet of
Rec. Feet of
Rec. Feet of
Rec. Feet of

BHT 108 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 2040.6 PSI AK1 Recorder No. 13277 Range 4125
(B) First Initial Flow Pressure 57.3 PSI @ (depth) 3564 w/Clock No. 17639
(C) First Final Flow Pressure 70.2 PSI AK1 Recorder No. 24174 Range 3350
(D) Initial Shut-In Pressure 1141.5 PSI @ (depth 3593 w/Clock No. 17640
(E) Second Initial Flow Pressure 90.6 PSI AK1 Recorder No. Range
(F) Second Final Flow Pressure 90.6 PSI @ (depth) w/Clock No.
(G) Final Shut-In Pressure 1141.5 PSI Initial Opening 15 Final Flow 5
(H) Final Hydrostatic Mud 1944.7 PSI Initial Shut-In 30 Final Shut-In 20

Our Representativve PAUL SIMPSON TOTAL PRICE $ 600

Printcraft Printers - Hays KS