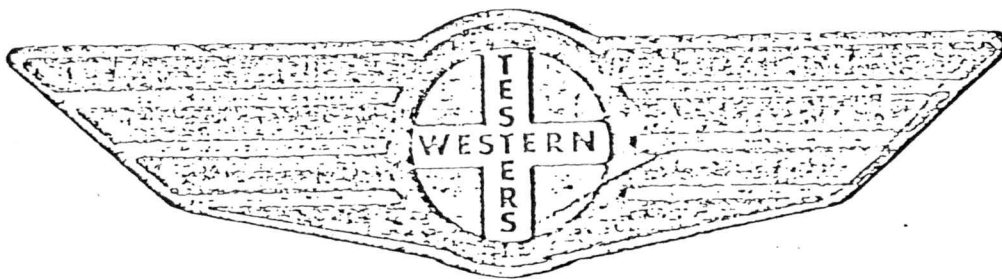


# FORMATION

# TEST

# REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 3/7/84  
CUSTOMER: A.P.C. INC.  
WELL: 1  
ELEVATION (KB): 1280  
SECTION: 35  
RANGE: 9W  
GAUGE SN #5666

TEST: 1  
FORMATION: MISSISSIPPI  
TOWNSHIP: 34S  
COUNTY: HARPER  
RANGE: 3950

TICKET #5406  
LEASE: CHAIN-BURKE  
GEOLOGIST: HARGIS  
STATE: KANSAS  
CLOCK: 12

INTERVAL TEST FROM: 4650 FT TO: 4675 FT TOTAL DEPTH: 4675 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 4645 FT SIZE: 6 3/4 IN PAKER DEPTH: 4650 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: HEARTLAND DRLG  
MUD TYPE: CHEMICAL VISCOSITY: 42  
WEIGHT: 9.3 WATER LOSS (CC): 12.8  
CHLORIDES (P.P.M.): 7000  
JARS - MAKE: SERIAL NUMBER:  
DID WELL FLOW? REVERSED OUT?  
DRILL COLLAR LENGTH: FT I.D.: IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 IN  
ANCHOR LENGTH: 25 FT SIZE: 5 1/2 IN  
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN  
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW:

RECOVERED: FT OF:  
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RECOVERED: FT OF:  
RECOVERED: FT OF:

REMARKS: MISRUN. PACKER SEAT FAILURE.

TIME SET PACKER(S): 11:30 AM  
WELL TEMPERATURE: 0 °F  
INITIAL HYDROSTATIC PRESSURE:  
INITIAL FLOW PERIOD MIN: 0  
INITIAL CLOSED IN PERIOD MIN: 0  
FINAL FLOW PERIOD MIN: 0  
FINAL CLOSED IN PERIOD MIN: 0  
FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM:  
(A) 2273 PSI  
(B) 0 PSI TO (C) 0 PSI  
(D) 0 PSI  
(E) 0 PSI TO (F) 0 PSI  
(G) 0 PSI  
(H) 2213 PSI



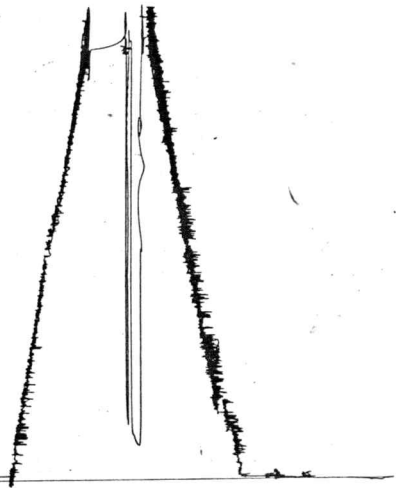
45205

TKT # 5406

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5666



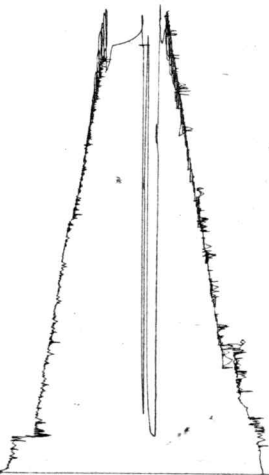
4505

TKT # 5406

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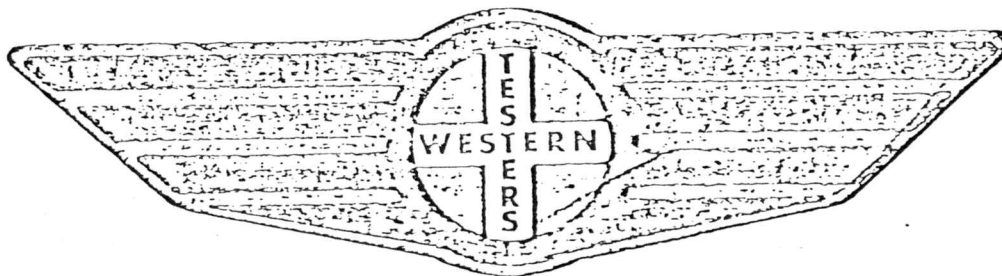
13265



FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 3/7/84  
CUSTOMER: A.P.C. INC.  
WELL: 1  
ELEVATION (KB): 1280  
SECTION: 35  
RANGE: 9W  
GAUGE SN #5666

TEST: 2  
COUNTY: HARPER  
RANGE: 3950

TICKET #5407  
LEASE: CHAIN-BURKE  
GEOLOGIST: HARGIS  
FORMATION: MISSISSIPPI  
TOWNSHIP: 34S  
STATE: KANSAS  
CLOCK: 12

INTERVAL TEST FROM: 4654 FT TO: 4675 FT TOTAL DEPTH: 4675 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 4649 FT SIZE: 6 3/4 IN PACKER DEPTH: 4654 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: HEARTLAND DRLG  
MUD TYPE: CHEMICAL VISCOSITY: 42  
WEIGHT: 9.3 WATER LOSS (CC): 12.8  
CHLORIDES (P.P.M.): 7000  
JARS - MAKE: SERIAL NUMBER:  
DID WELL FLOW? NO REVERSED OUT? NO  
DRILL COLLAR LENGTH: 457 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 4196 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 IN  
ANCHOR LENGTH: 21 FT SIZE: 5 1/2 IN  
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN  
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: FAIR BLOW THROUGHOUT TEST.

RECOVERED: 20 FT OF: DRILLING MUD.  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
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REMARKS:

TIME SET PACKER(S): 4:00 PM TIME STARTED OFF BOTTOM: 8:00 PM  
WELL TEMPERATURE: 134 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 2247 PSI  
INITIAL FLOW PERIOD MIN: 30 (B) 64 PSI TO (C) 65 PSI  
INITIAL CLOSED IN PERIOD MIN: 60 (D) 65 PSI  
FINAL FLOW PERIOD MIN: 60 (E) 61 PSI TO (F) 61 PSI  
FINAL CLOSED IN PERIOD MIN: 87 (G) 171 PSI  
FINAL HYDROSTATIC PRESSURE (H) 2199 PSI

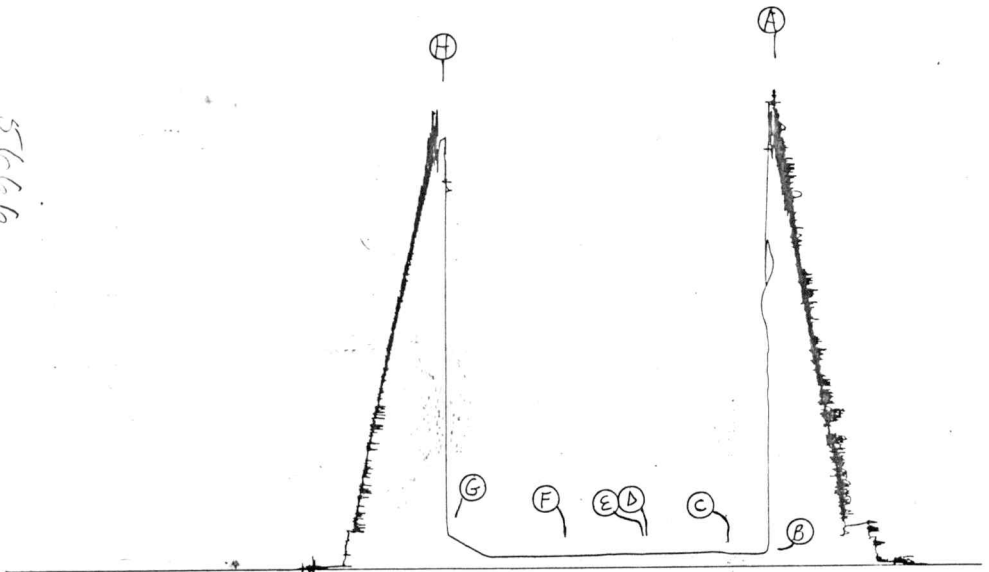


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TKT # 5407

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5666

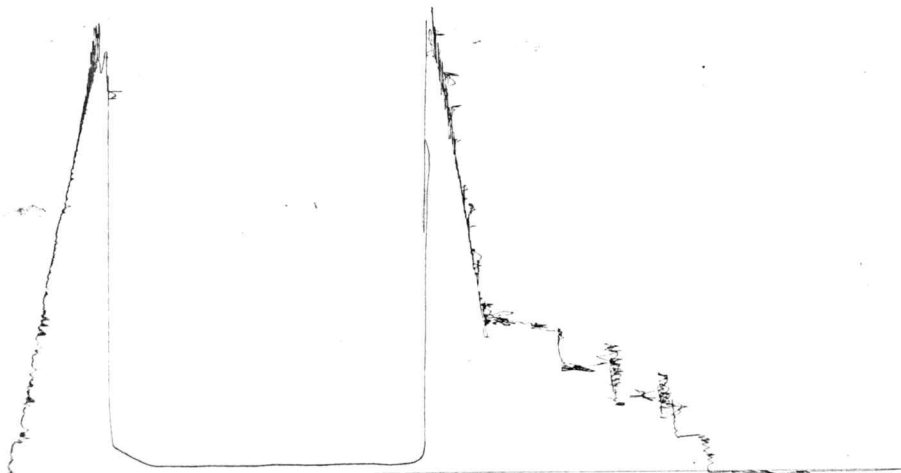


5405

TKT # 5407

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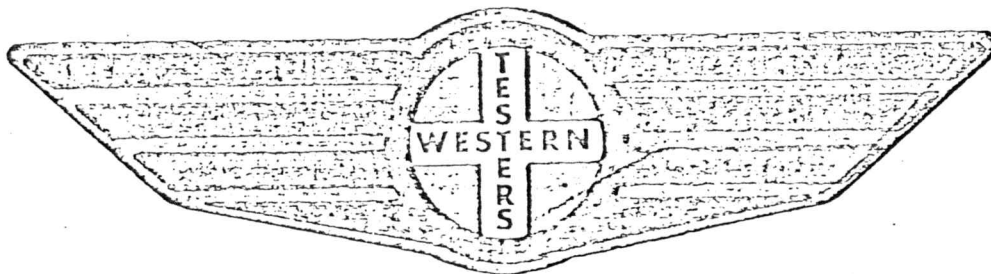
13265



# FORMATION

# TEST

# REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company A.P.C. INC. Lease and Well No. #1 CHAIN-BURKE Sec. 35 Twp. 34s Rge. 9w Test No. 3 Date 3/10/84

WESTERN TESTING COMPANY INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 3/10/84 TICKET #3543  
CUSTOMER: A.P.C. INC. LEASE: CHAIN-BURKE  
WELL: 1 TEST: 3 GEOLOGIST: HARGIS  
ELEVATION (KB): 0 FORMATION: MISS.  
SECTION: 35 TOWNSHIP: 34S  
RANGE: 9W COUNTY: HARPER STATE: KANSAS  
GAUGE SN #13552 RANGE: 4050 CLOCK: 12

INTERVAL TEST FROM: 4840 FT TO: 4880 FT TOTAL DEPTH: 5273 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 4835 FT SIZE: 6 5/8 IN PACKER DEPTH: 4840 FT SIZE: 6 5/8 IN  
PACKER DEPTH: 4880 FT SIZE: 6 5/8 IN PACKER DEPTH: 4885 FT SIZE: 6 5/8 IN

DRILLING CONTRACTOR: HEARTLAND  
MUD TYPE: CHEM VISCOSITY: 60  
WEIGHT: 9.2 WATER LOSS (CC): 12.0  
CHLORIDES (P.P.M.): 6000  
JARS - MAKE: SERIAL NUMBER:  
DID WELL FLOW? NO REVERSED OUT? NO  
DRILL COLLAR LENGTH: 90 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 4726 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 64 FT TOOL SIZE: 5 1/2 O.D. IN  
ANCHOR LENGTH: 393 FT SIZE: 5 1/2 O.D. IN  
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN  
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 FH IN

BLOW: STRONG BLOW THROUGHOUT FLOW PERIODS.

RECOVERED: 190 FT OF: DRLG MUD.  
RECOVERED: 1130 FT OF: MUDDY WATER.  
RECOVERED: 660 FT OF: SALT WATER.  
RECOVERED: FT OF: CHLORIDES 67000 P.P.M.  
RECOVERED: FT OF:  
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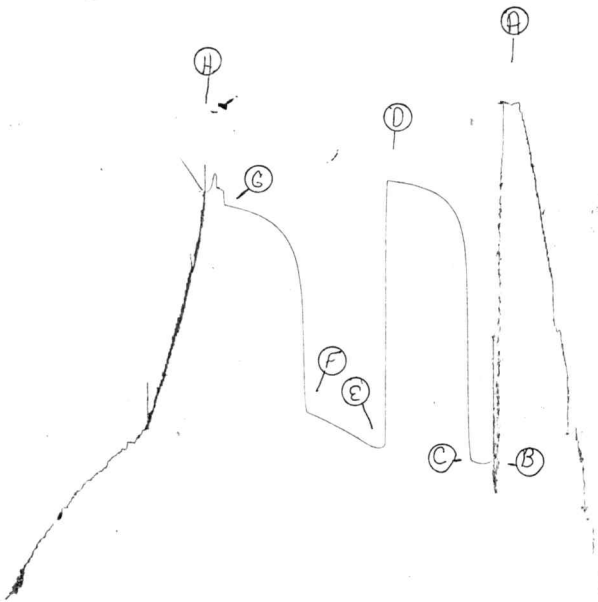
REMARKS: READ OUTSIDE CHART.

TIME SET PACKER(S): 5:45 P.M. TIME STARTED OFF BOTTOM: 9:15 P.M.  
WELL TEMPERATURE: 126 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 2571 PSI  
INITIAL FLOW PERIOD MIN: 15 (B) 719 PSI TO (C) 730 PSI  
INITIAL CLOSED IN PERIOD MIN: 63 (D) 2178 PSI  
FINAL FLOW PERIOD MIN: 55 (E) 802 PSI TO (F) 986 PSI  
FINAL CLOSED IN PERIOD MIN: 60 (G) 2055 PSI  
FINAL HYDROSTATIC PRESSURE (H) 2142 PSI



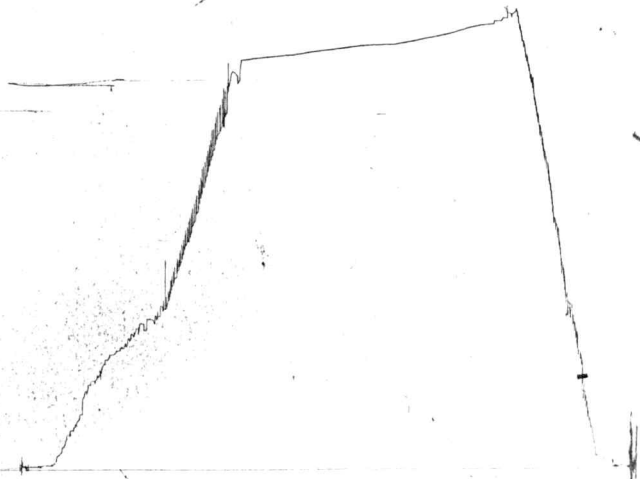
TKT # 3543

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T.K.T # 3543

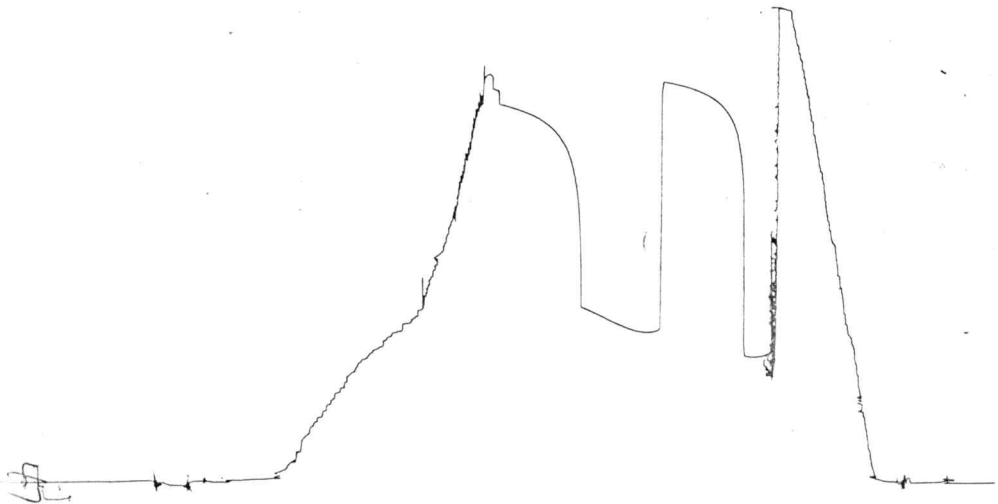
Below Straddle



TKT# 3543

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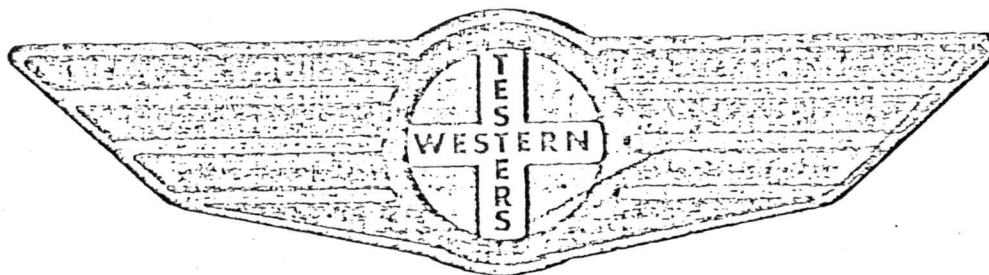
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company A.P.C. INC. Lease and Well No. #1 CHAIN-BURKE Sec. 35 Twp. 34s Rge. 9w Test No. 4 Date 3/11/84

WESTERN TESTING COMPANY INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 3/11/84 TICKET #3544  
CUSTOMER: A.P.C. INC. LEASE: CHAIN-BURKE  
WELL: 1 TEST: 4 GEOLOGIST: HARGIS  
ELEVATION (KB): 0 FORMATION:  
SECTION: 35 TOWNSHIP: 34S  
RANGE: 9W COUNTY: HARPER STATE: KANSAS  
GAUGE SN #13552 RANGE: 4050 CLOCK: 12

INTERVAL TEST FROM: 5087 FT TO: 5103 FT TOTAL DEPTH: 5273 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 5082 FT SIZE: 6 5/8 IN PACKER DEPTH: 5087 FT SIZE: 6 5/8 IN  
PACKER DEPTH: 5103 FT SIZE: 6 5/8 IN PACKER DEPTH: 5108 FT SIZE: 6 5/8 IN

DRILLING CONTRACTOR: HEARTLAND  
MUD TYPE: CHEM VISCOSITY: 60  
WEIGHT: 9.2 WATER LOSS (CC): 12.0  
CHLORIDES (P.P.M.): 6000  
JARS - MAKE: SERIAL NUMBER:  
DID WELL FLOW? NO REVERSED OUT? NO  
DRILL COLLAR LENGTH: 370 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 4691 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 40 FT TOOL SIZE: 5 1/2 O.D. IN  
ANCHOR LENGTH: 172 FT SIZE: 5 1/2 O.D. IN  
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN  
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 FH IN

BLOW: INITIAL FLOW PERIOD STRONG BLOW  
THROUGHOUT. FINAL FLOW PERIOD  
WEAK BLOW THROUGHOUT.

RECOVERED: 420 FT OF: DRLG MUD.  
RECOVERED: FT OF:  
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RECOVERED: FT OF:  
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RECOVERED: FT OF:  
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REMARKS: READ OUTSIDE CHART.

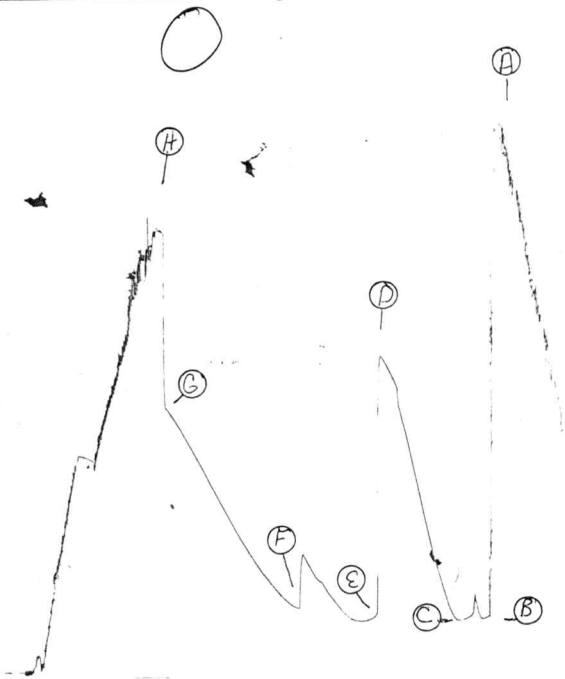
TIME SET PACKER(S): 11:05 A.M. TIME STARTED OFF BOTTOM: 3:05 P.M.  
WELL TEMPERATURE: 128 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 2794 PSI  
INITIAL FLOW PERIOD MIN: 20 (B) 283 PSI TO (C) 283 PSI  
INITIAL CLOSED IN PERIOD MIN: 57 (D) 1657 PSI  
FINAL FLOW PERIOD MIN: 60 (E) 282 PSI TO (F) 356 PSI  
FINAL CLOSED IN PERIOD MIN: 96 (G) 1397 PSI  
FINAL HYDROSTATIC PRESSURE (H) 2318 PSI





TKT# 3544.

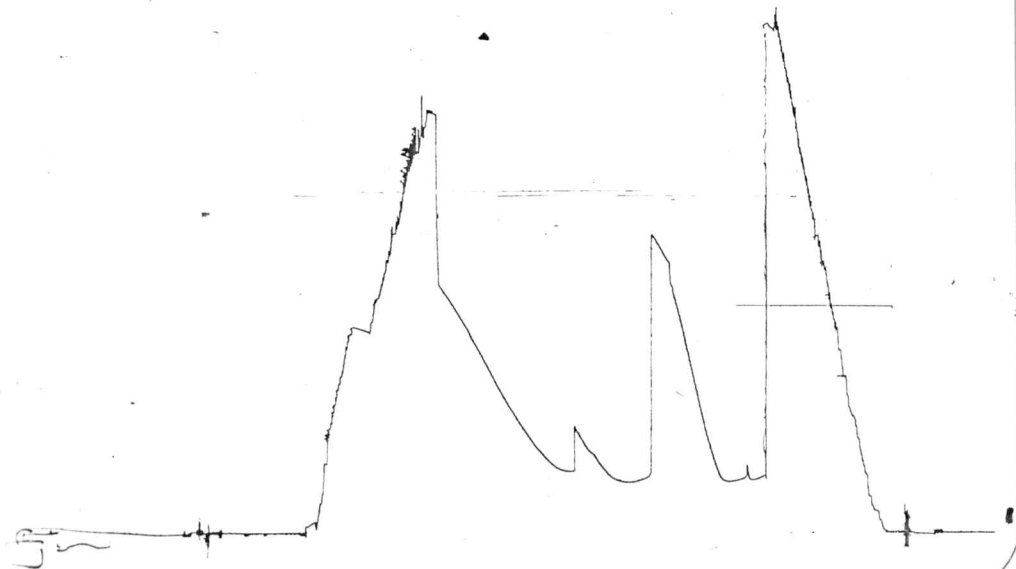
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TKT# 3544

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TKT # 3544

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Below Straddle

