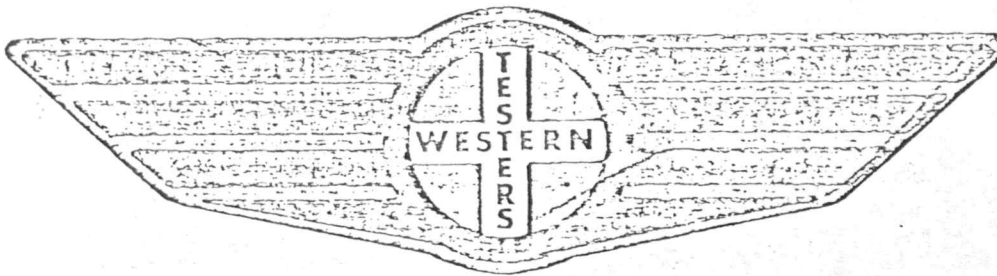


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING COMPANY INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 9/10/84  
CUSTOMER: A. SCOTT RITCHIE  
WELL: #1 TEST: 1  
ELEVATION (KB): 2266 FORMATION: LANSING 70'  
SECTION: 1 TOWNSHIP: 11S  
RANGE: 23W COUNTY: TREGO STATE: KANSAS  
GAUGE SN #2604 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 3603 FT TO: 3620 FT TOTAL DEPTH: 3620 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 3598 FT SIZE: 6 3/4 IN PAKER DEPTH: 3603 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MURFIN  
MUD TYPE: STARCH VISCOSITY: 38  
WEIGHT: 9.7 WATER LOSS (CC): 14  
CHLORIDES (P.P.M.): 3000  
JARS - MAKE: SERIAL NUMBER:  
DID WELL FLOW? NO REVERSED OUT? NO  
DRILL COLLAR LENGTH: 120 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 3463 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN  
ANCHOR LENGTH: 17 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 XH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW BUILDING  
TO STRONG 10" BLOW IN BUCKET;  
FINAL FLOW PERIOD FAIR BLOW OF 6"  
IN BUCKET THROUGHOUT.

RECOVERED: 210 FT OF: GAS ABOVE FLUID.  
RECOVERED: 30 FT OF: OIL & GAS CUT MUD.  
RECOVERED: FT OF: 10% GAS: 10% OIL: 80% MUD.  
RECOVERED: 90 FT OF: MUD CUT OIL.  
RECOVERED: FT OF: 5% GAS: 65% OIL: 30% MUD.  
RECOVERED: FT OF: CHLORIDES 5000 P.P.M.  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:

REMARKS: CLOCKED STOPPED OF BOTTOM RECORDER.

TIME SET PACKER(S): 9:25 A.M. TIME STARTED OFF BOTTOM: 11:55 A.M.  
WELL TEMPERATURE: 113 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 1796 PSI  
INITIAL FLOW PERIOD MIN: 30 (B) 38 PSI TO (C) 38 PSI  
INITIAL CLOSED IN PERIOD MIN: 51 (D) 158 PSI  
FINAL FLOW PERIOD MIN: 30 (E) 60 PSI TO (F) 60 PSI  
FINAL CLOSED IN PERIOD MIN: 48 (G) 144 PSI  
FINAL HYDROSTATIC PRESSURE (H) 1769 PSI

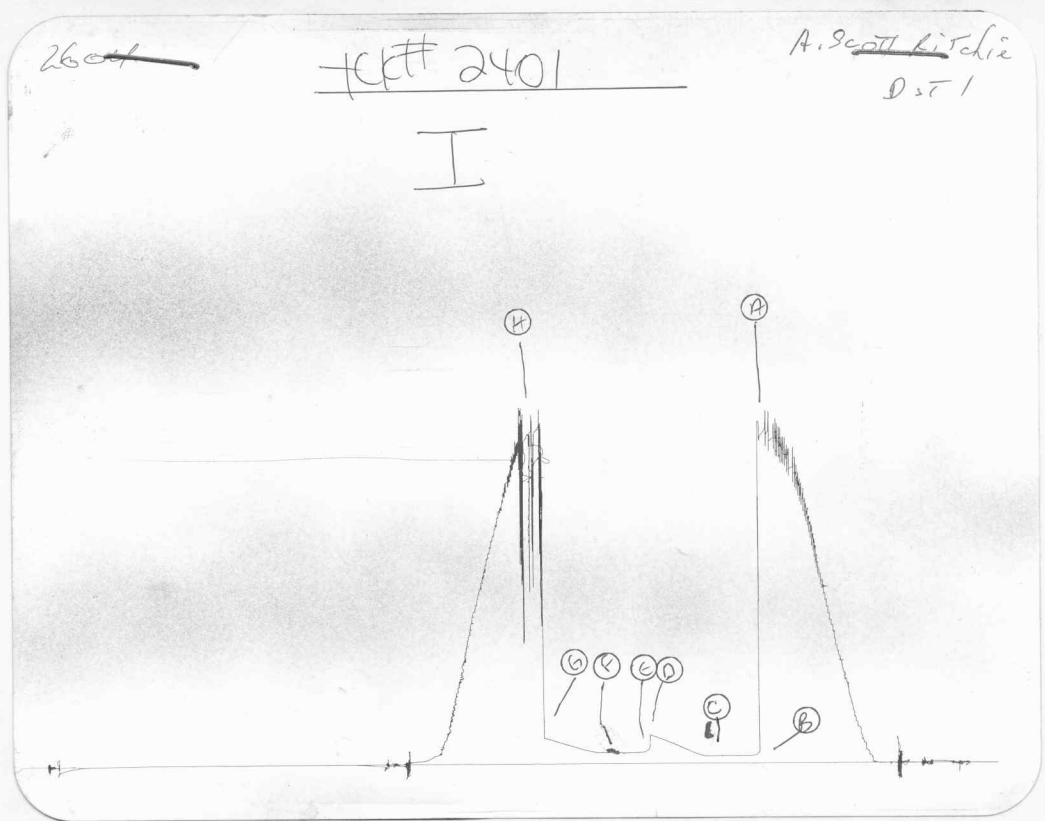


~~2604~~

TKT# 2401

A. Scott Ritchie  
DST 1

I



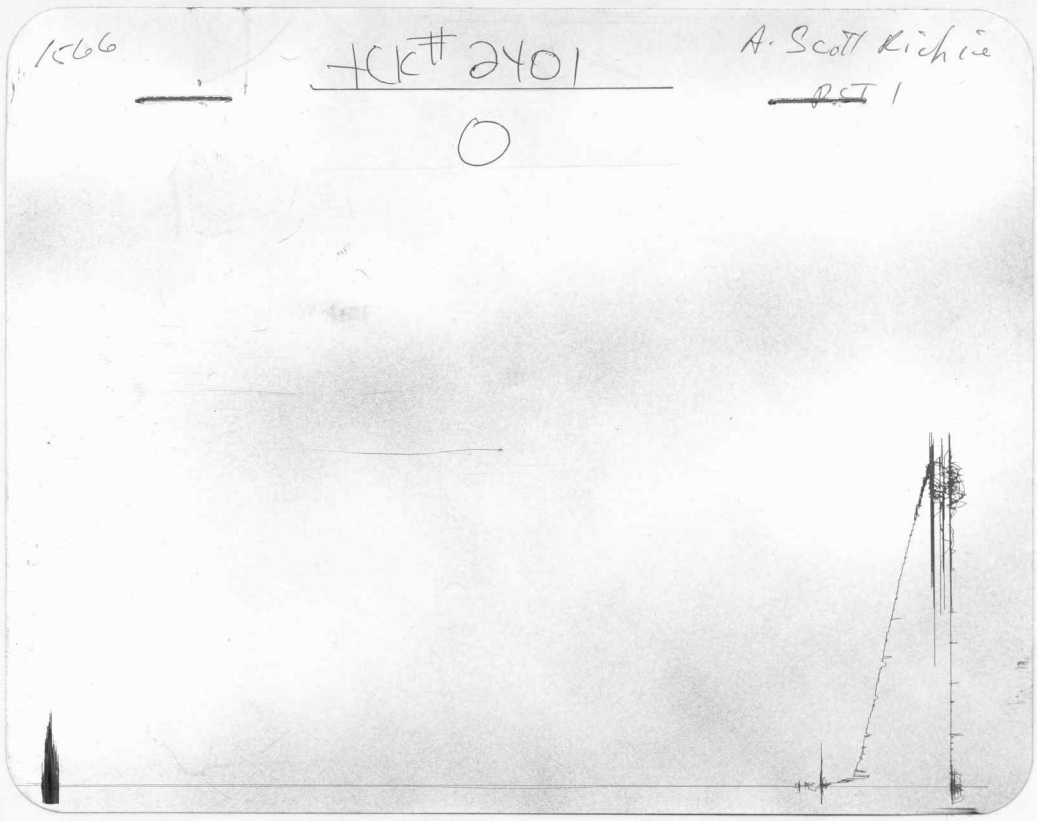
Inside Recorder

1566

TKT# 2401

A. Scott Ritchie  
DST 1

O

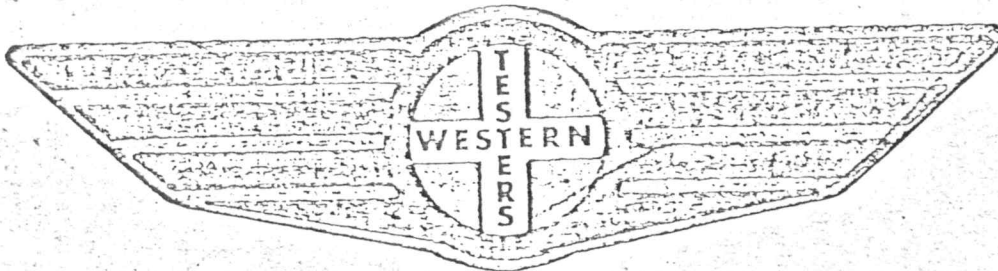


Outside Recorder

FORMATION

TEST

REPORT



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Company A. SCOTT RITCHIE Lease and Well No. #1 "D" NINEMIRE Sec. 1 Twp. 11S Rge. 23W Test No. 2 Date 9/11/84

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 9/11/84 TICKET #2402  
 CUSTOMER: A. SCOTT RITCHIE LEASE: "D" NINEMIRE  
 WELL: 1 TEST: 2 GEOLOGIST: LOUIS  
 ELEVATION (KB): 2266 FORMATION: LANS-140; 160; 180  
 SECTION: 1 TOWNSHIP: 11S  
 RANGE: 23W COUNTY: TREGO STATE: KANSAS  
 GAUGE SN #2604 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 3655 FT TO: 3726 FT TOTAL DEPTH: 3726 FT  
 DEPTH OF SELECTIVE ZONE: FT  
 PACKER DEPTH: 3650 FT SIZE: 6 3/4 IN PACKER DEPTH: 3655 FT SIZE: 6 3/4 IN  
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MURFIN DRLG  
 MUD TYPE: STARCH VISCOSITY: 47  
 WEIGHT: 9.9 WATER LOSS (CC): 8.8  
 CHLORIDES (P.P.M.): 7000  
 JARS - MAKE: SERIAL NUMBER:  
 DID WELL FLOW? NO REVERSED OUT? NO  
 DRILL COLLAR LENGTH: 120 FT I.D.: 2.2 IN  
 WEIGHT PIPE LENGTH: FT I.D.: IN  
 DRILL PIPE LENGTH: 3515 FT I.D.: 3.8 IN  
 TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN  
 ANCHOR LENGTH: 71 FT SIZE: 5 1/2 OD 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: INITIAL FLOW PERIOD WEAK BLOW. 1" IN BUCKET.  
 DIED IN 27 MINUTES.  
 FINAL FLOW PERIOD WEAK BLOW. 1" IN BUCKET.

RECOVERED: 150 FT OF: DRILLING MUD. CHLORIDES 5000 PPM.  
 RECOVERED: FT OF:  
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REMARKS: PLUGGING ACTION ON BOTH FLOW PERIODS.

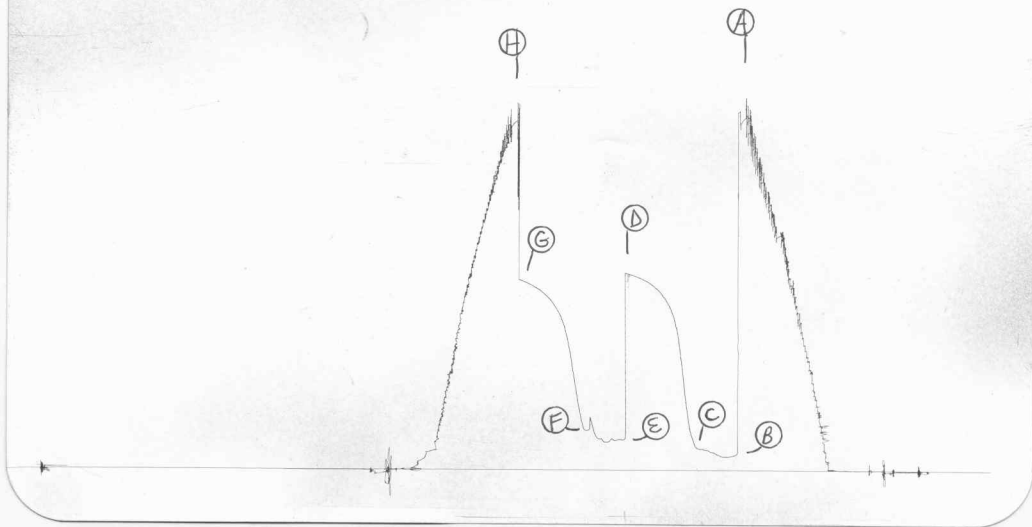
TIME SET PACKER(S): 8:30 AM TIME STARTED OFF BOTTOM: 11:00 AM  
 WELL TEMPERATURE: 114 °F  
 INITIAL HYDROSTATIC PRESSURE: (A) 1897 PSI  
 INITIAL FLOW PERIOD MIN: 30 (B) 76 PSI TO (C) 121 PSI  
 INITIAL CLOSED IN PERIOD MIN: 54 (D) 1081 PSI  
 FINAL FLOW PERIOD MIN: 30 (E) 167 PSI TO (F) 221 PSI  
 FINAL CLOSED IN PERIOD MIN: 51 (G) 1041 PSI  
 FINAL HYDROSTATIC PRESSURE (H) 1878 PSI



2609

TKT # 2402

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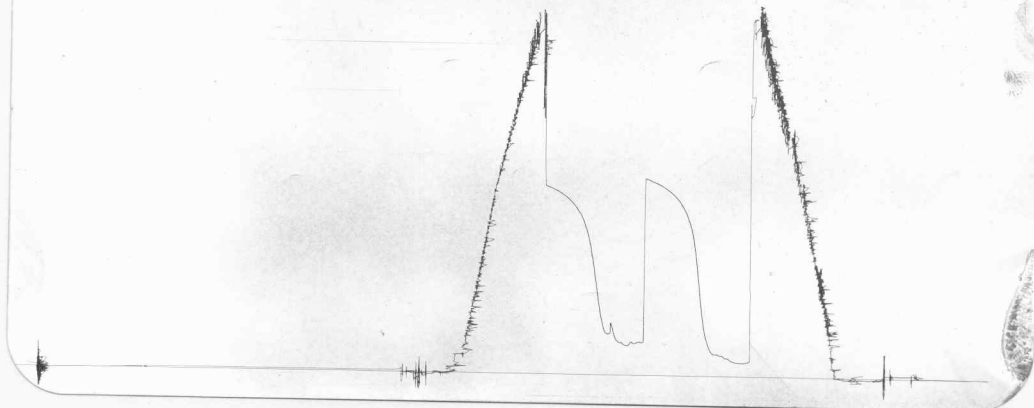


Inside Recorder

1866

TKT # 2402

O

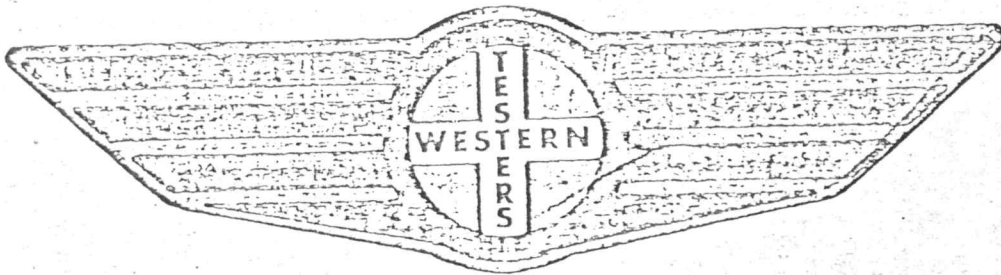


Outside Recorder

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WESTERN TESTING COMPANY INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 9/11/84  
 CUSTOMER: A. SCOTT RITCHIE  
 WELL: 1 TEST: 3  
 ELEVATION (KB): 2266 FORMATION: LANSING  
 SECTION: 1 TOWNSHIP: 11S  
 RANGE: 23W COUNTY: TREGO STATE: KANSAS  
 GAUGE SN #2604 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 3725 FT TO: 3770 FT TOTAL DEPTH: 3770 FT  
 DEPTH OF SELECTIVE ZONE: FT  
 PACKER DEPTH: 3720 FT SIZE: 6 3/4 IN PACKER DEPTH: 3725 FT SIZE: 6 3/4 IN  
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MURFIN  
 MUD TYPE: STARCH VISCOSITY: 47  
 WEIGHT: 9.9 WATER LOSS (CC): 8.8  
 CHLORIDES (P.P.M.): 7000  
 JARS - MAKE: SERIAL NUMBER:  
 DID WELL FLOW? NO REVERSED OUT? NO  
 DRILL COLLAR LENGTH: 120 FT I.D.: 2.25 IN  
 WEIGHT PIPE LENGTH: FT I.D.: IN  
 DRILL PIPE LENGTH: 3585 FT I.D.: 3.8 IN  
 TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN  
 ANCHOR LENGTH: 45 FT SIZE: 5 1/2 OD 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

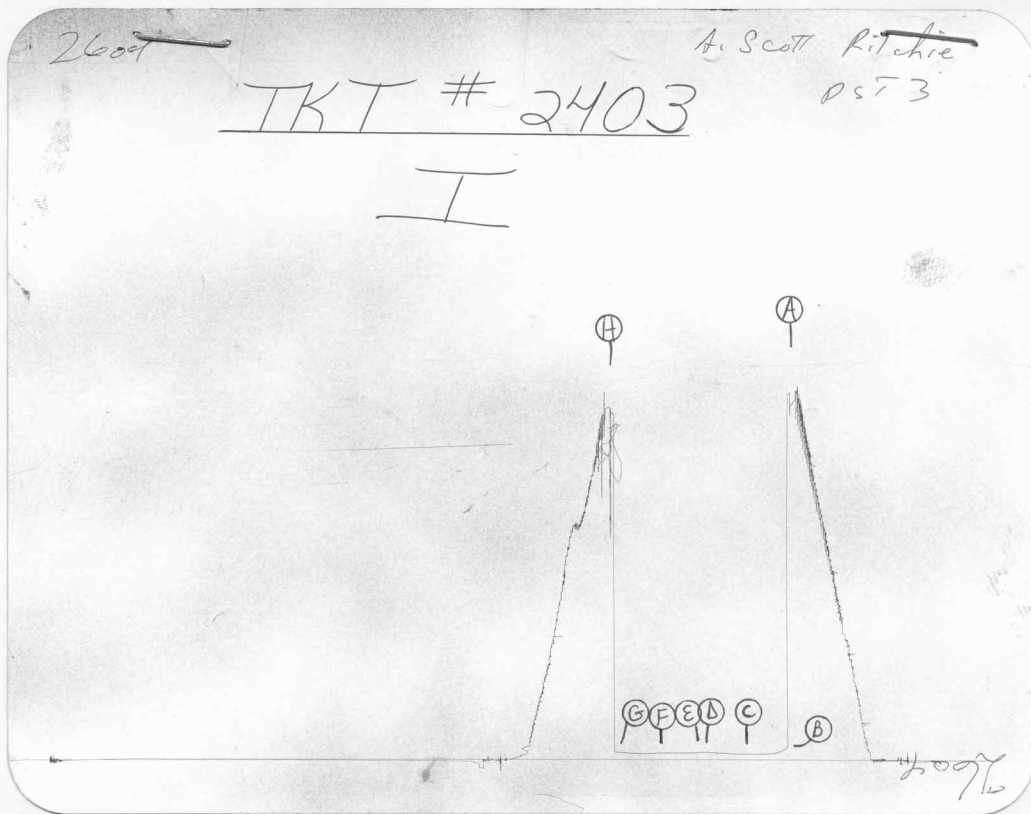
BLOW: INITIAL FLOW PERIOD: WEAK-DEAD 5 MINUTES. FINAL  
 FLOW PERIOD: NO BLOW.

RECOVERED: 10 FT OF: DRILLING MUD; SHOW OF OIL IN TOOL.  
 RECOVERED: FT OF:  
 RECOVERED: FT OF:  
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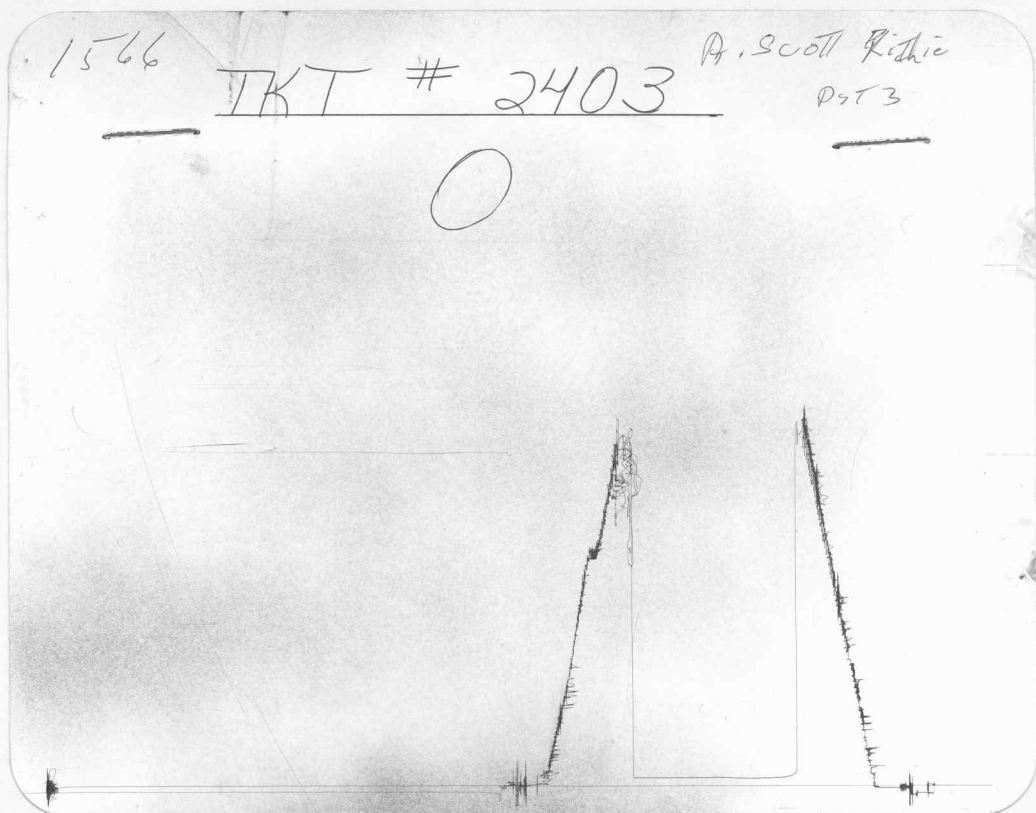
REMARKS:

TIME SET PACKER(S): 10:30 P.M. TIME STARTED OFF BOTTOM: 12:30 A.M.  
 WELL TEMPERATURE: 114 °F  
 INITIAL HYDROSTATIC PRESSURE: (A) 1941 PSI  
 INITIAL FLOW PERIOD MIN: 30 (B) 35 PSI TO (C) 35 PSI  
 INITIAL CLOSED IN PERIOD MIN: 33 (D) 47 PSI  
 FINAL FLOW PERIOD MIN: 30 (E) 37 PSI TO (F) 37 PSI  
 FINAL CLOSED IN PERIOD MIN: 33 (G) 47 PSI  
 FINAL HYDROSTATIC PRESSURE (H) 1922 PSI





Inside Recorder



Outside Recorder