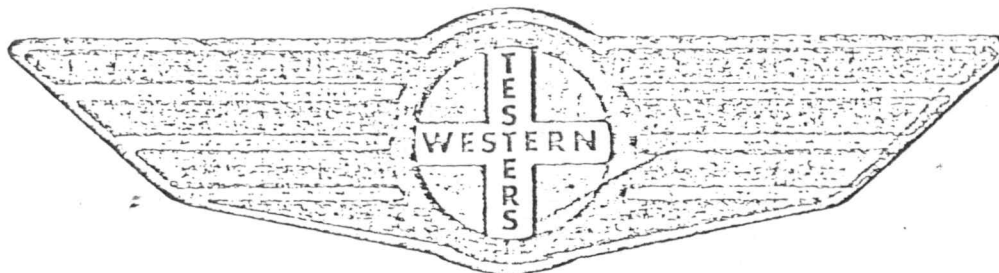


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/1/84
CUSTOMER: SPINES EXPLORATION
WELL: 1 TEST: 3
ELEVATION (KB): 2231 FORMATION:
SECTION: 15 TOWNSHIP: 14S
RANGE: 22W COUNTY: TREGO STATE: KANSAS
GAUGE SN #5673 RANGE: 5400 CLOCK: 12

INTERVAL TEST FROM: 4076 FT TO: 4168 FT TOTAL DEPTH: 4168 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4081 FT SIZE: 6 3/4 IN PACKER DEPTH: 4076 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

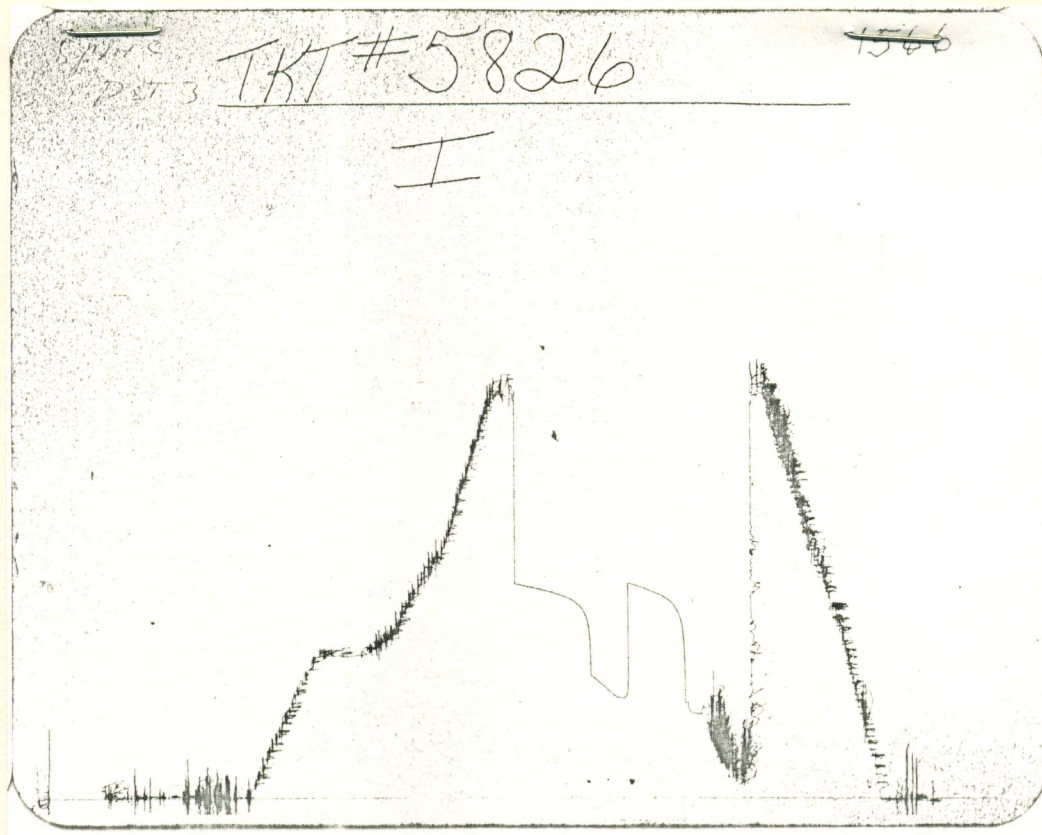
DRILLING CONTRACTOR: BIG SPRINGS
MUD TYPE: STARCH VISCOSITY: 44
WEIGHT: 10.0 WATER LOSS (CC): 13.6
CHLORIDES (P.P.M.): 40000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT? YES
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: 435 FT I.D.: 3.2 IN
DRILL PIPE LENGTH: 3613 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 28 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 92 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 X.H. IN

BLOW: INITIAL FLOW PERIOD: STRONG IN 4 MINUTES; BOTTOM
OF BUCKET. FINAL FLOW PERIOD: STRONG; OFF BOTTOM
OF BUCKET IN 4 MINUTES.

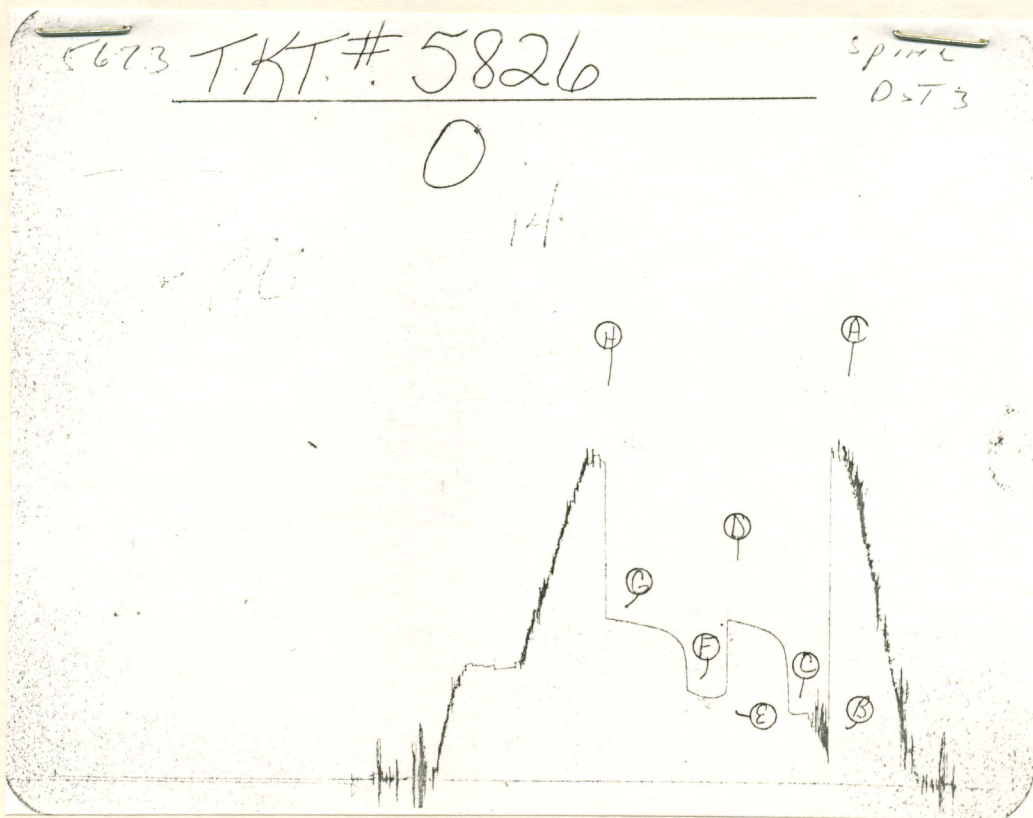
RECOVERED: 800 FT OF: MUDDY WATER
RECOVERED: 785 FT OF: GASSY WATER CUT MUD: 50% OIL: 30% GAS: 20% WATER
R
RECOVERED: 60 FT OF: WATER CUT OIL: 70% OIL: 30% WATER
RECOVERED: FT OF: CHLORIDES 50000 PPM
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: PLUGGING ACTION IN INITIAL FLOW PERIOD. READ
OUTSIDE CHART.

TIME SET PACKER(S): 2:10 P.M. TIME STARTED OFF BOTTOM: 4:55 P.M.
WELL TEMPERATURE: 121 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2342 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 148 PSI TO (C) 508 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1150 PSI
FINAL FLOW PERIOD MIN: 30 (E) 598 PSI TO (F) 654 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 1146 PSI
FINAL HYDROSTATIC PRESSURE (H) 2289 PSI



Inside Recorder



Outside Recorder