

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 11/18/83 TICKET #19168  
CUSTOMER: SMITHERMAN DRILLING COMPANY LEASE: SPRUENS  
WELL: 1 TEST: 1 GEOLOGIST: J. CRAIG  
ELEVATION (KB): 1161 FORMATION: BARTLESVILLE  
SECTION: 10 TOWNSHIP: 33S  
RANGE: 3E COUNTY: COWLEY STATE: KANSAS  
GAUGE SN #5666 RANGE: 3950 CLOCK: 12

INTERVAL TEST FROM: 3096 FT TO: 3186 FT TOTAL DEPTH: 3186 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 3091 FT SIZE: 6 3/4 IN PACKER DEPTH: 3096 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: W & E #7  
MUD TYPE: CHEMICAL VISCOSITY: 38  
WEIGHT: 9.3 WATER LOSS (CC): N/A  
CHLORIDES (P.P.M.): N/A  
JARS - MAKE: NO SERIAL NUMBER:  
DID WELL FLOW? NO REVERSED OUT? NO  
DRILL COLLAR LENGTH: 310 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 2808 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN  
ANCHOR LENGTH: 90 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: STRONG TO FAIR INITIAL FLOW.  
STRONG - FINAL FLOW.

RECOVERED: 90 FT OF: DRILLING MUD  
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REMARKS:

TIME SET PACKER(S): 2:15 A.M. TIME STARTED OFF BOTTOM: 5:45 A.M.  
WELL TEMPERATURE: 114 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 1574 PSI  
INITIAL FLOW PERIOD MIN: 85 (B) 91 PSI TO (C) 98 PSI  
INITIAL CLOSED IN PERIOD MIN: 33 (D) 306 PSI  
FINAL FLOW PERIOD MIN: 55 (E) 95 PSI TO (F) 97 PSI  
FINAL CLOSED IN PERIOD MIN: 33 (G) 372 PSI  
FINAL HYDROSTATIC PRESSURE (H) 1558 PSI

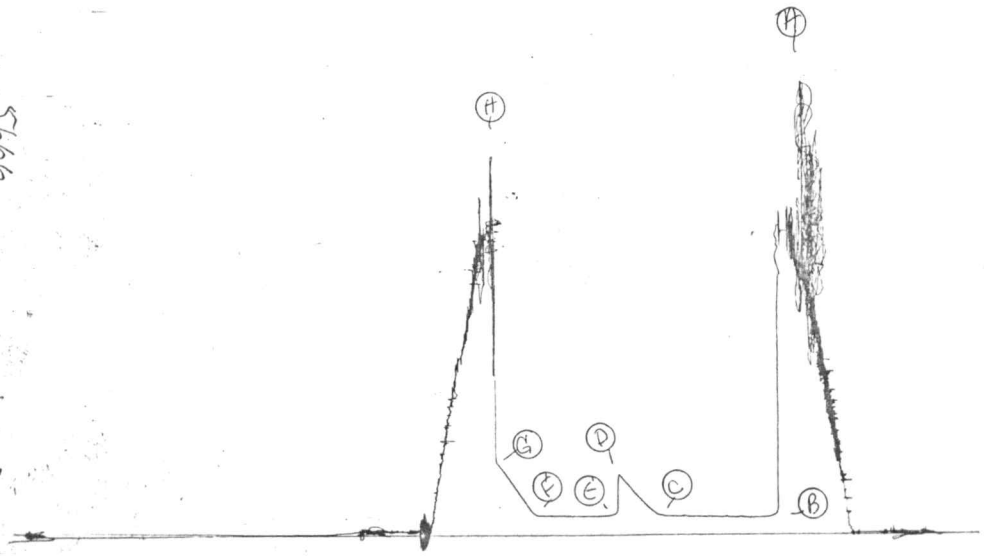


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TCK# 19168

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WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 11/19/83  
CUSTOMER: SMITHERMAN DRILLING COMPANY  
WELL: 1 TEST: 2  
ELEVATION (KB): 1161 FORMATION: ARBUCKLE  
SECTION: 10 TOWNSHIP: 33S  
RANGE: 3E COUNTY: COWLEY STATE: KANSAS  
GAUGE SN #13265 RANGE: 3975 CLOCK: 12

TICKET #19169  
LEASE: SPRUENS  
GEOLOGIST: M. BRAWNER

INTERVAL TEST FROM: 3507 FT TO: 3518 FT TOTAL DEPTH: 3518 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 3502 FT SIZE: 6 3/4 IN PACKER DEPTH: 3507 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: W & E #7  
MUD TYPE: CHEMICAL VISCOSITY: 43  
WEIGHT: 9.5 WATER LOSS (CC): N/A  
CHLORIDES (P.P.M.): N/A  
JARS - MAKE: NO SERIAL NUMBER:  
DID WELL FLOW? NO REVERSED OUT? YES  
DRILL COLLAR LENGTH: 341 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 3149 FT I.D.: IN  
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN  
ANCHOR LENGTH: 11 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: STRONG THRU OUT.

RECOVERED: 85 FT OF: SLIGHTLY OIL & GAS CUT MUDDY WATER 2% OIL  
RECOVERED: 2700 FT OF: SALT WATER  
RECOVERED: FT OF: CHLORIDES 80000 P.P.M.  
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REMARKS:

TIME SET PACKER(S): 11:45 P.M. TIME STARTED OFF BOTTOM: 1:15 A.M.  
WELL TEMPERATURE: 130 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 1800 PSI  
INITIAL FLOW PERIOD MIN: 60 (B) 395 PSI TO (C) 1224 PSI  
INITIAL CLOSED IN PERIOD MIN: 30 (D) 1350 PSI  
FINAL FLOW PERIOD MIN: 0 (E) 0 PSI TO (F) 0 PSI  
FINAL CLOSED IN PERIOD MIN: 0 (G) 0 PSI  
FINAL HYDROSTATIC PRESSURE (H) 1733 PSI



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