

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/20/84
CUSTOMER: SHARP ENGINEERING
WELL: 1 TEST: 1
ELEVATION (KB): 0 FORMATION: OSAGE
SECTION: 36 TOWNSHIP: 28S
RANGE: 16W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4654 FT TO: 4687 FT TOTAL DEPTH: 4687 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: WHITE & ELLIS
MUD TYPE: CHEMICAL VISCOSITY: 46
WEIGHT: 9.6 WATER LOSS (CC): 12.4
CHLORIDES (P.P.M.): 18000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 360 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4274 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 33 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: STRONG BLOW THROUGHOUT TEST.

RECOVERED: 65 FT OF: MUD.
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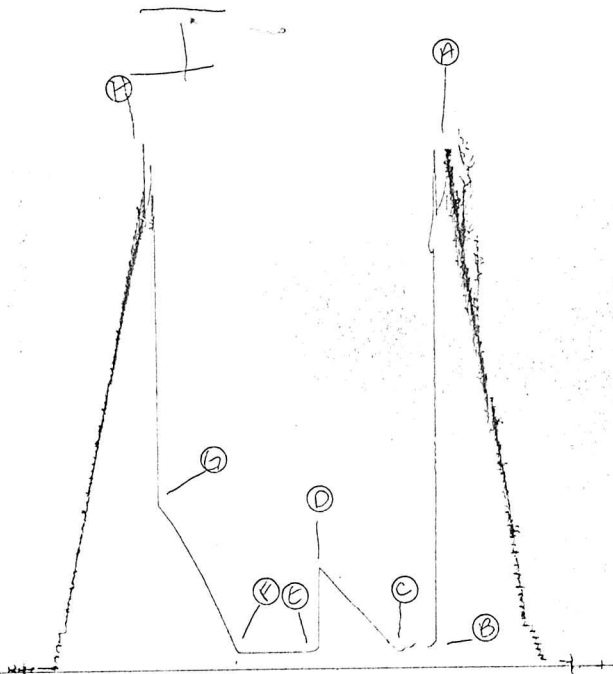
REMARKS: SLIGHT PLUGGING ACTION IN THE
INITIAL FLOW PERIOD.

TIME SET PACKER(S): 4:05 PM TIME STARTED OFF BOTTOM: 7:35 PM
WELL TEMPERATURE: 116 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2347 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 118 PSI TO (C) 78 PSI
INITIAL CLOSED IN PERIOD MIN: 57 (D) 510 PSI
FINAL FLOW PERIOD MIN: 60 (E) 84 PSI TO (F) 84 PSI
FINAL CLOSED IN PERIOD MIN: 57 (G) 824 PSI
FINAL HYDROSTATIC PRESSURE (H) 2347 PSI

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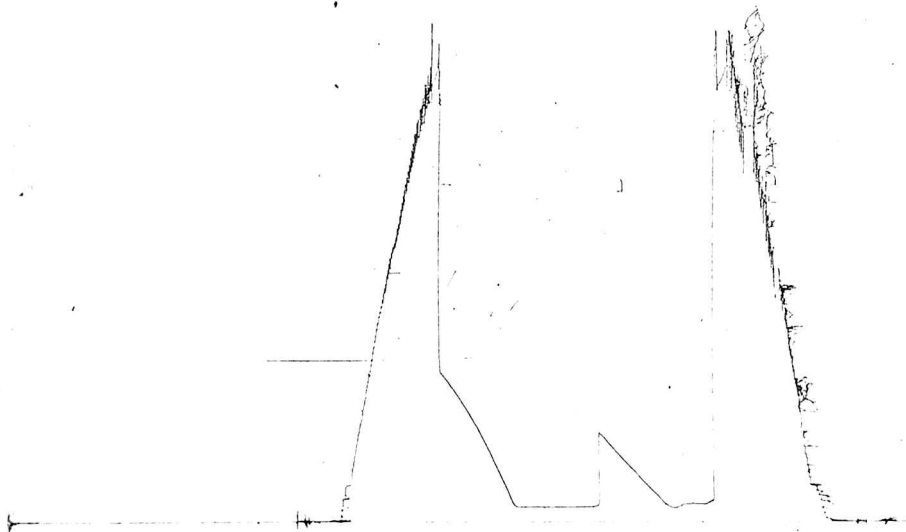


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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/21/84
CUSTOMER: SHARP ENGINEERING
WELL: 1 TEST: 2
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 36 TOWNSHIP: 28S
RANGE: 16W COUNTY: KIDWA STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4687 FT TO: 4724 FT TOTAL DEPTH: 4724 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4682 FT SIZE: 6 3/4 IN PACKER DEPTH: 4687 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHITE & ELLIS
MUD TYPE: CHEMICAL VISCOSITY: 46
WEIGHT: 9.6 WATER LOSS (CC): 12.4
CHLORIDES (P.P.M.): 18000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 360 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4307 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 37 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.
FINAL FLOW PERIOD NO BLOW.

RECOVERED: 60 FT OF: MUD.
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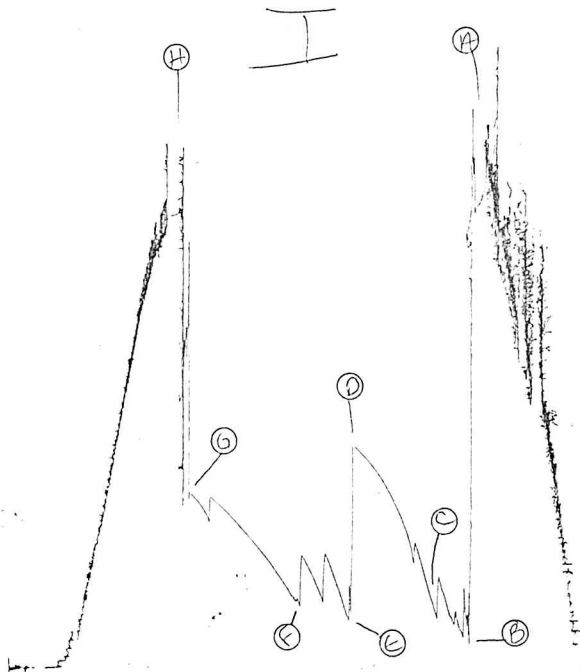
REMARKS: MISRUN. PLUGGING ACTION ON BOTH
FLOW PERIODS.

TIME SET PACKER(S): 6:35 AM TIME STARTED OFF BOTTOM: 10:05 AM
WELL TEMPERATURE: 116 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2412 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 175 PSI TO (C) 453 PSI
INITIAL CLOSED IN PERIOD MIN: 54 (D) 1182 PSI
FINAL FLOW PERIOD MIN: 60 (E) 298 PSI TO (F) 586 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 945 PSI
FINAL HYDROSTATIC PRESSURE (H) 2372 PSI

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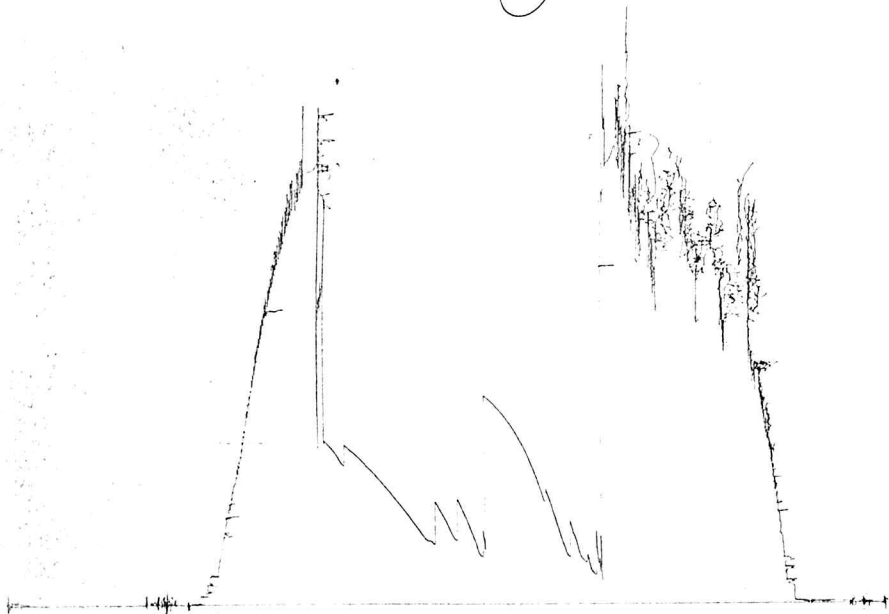


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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/21/84
CUSTOMER: SHARP ENGINEERING
WELL: 1 TEST: 3
ELEVATION (KB): 0 FORMATION:
SECTION: 36 TOWNSHIP: 28S
RANGE: 16W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4664 FT TO: 4724 FT TOTAL DEPTH: 4724 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4659 FT SIZE: 6 3/4 IN PACKER DEPTH: 4664 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHITE & ELLIS
MUD TYPE: CHEMICAL VISCOSITY: 72
WEIGHT: 9.5 WATER LOSS (CC): 14.5
CHLORIDES (P.P.M.): 19000

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 360 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4284 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 60 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:

RECOVERED: FT OF:
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REMARKS: MISRUN. PACKER SEAT FAILURE.

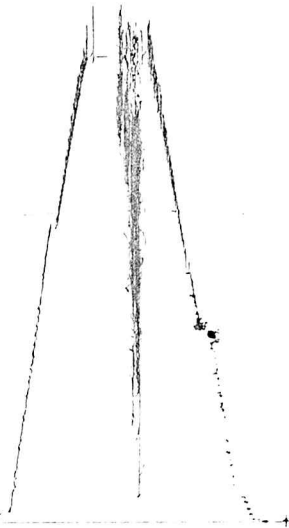
TIME SET PACKER(S): TIME STARTED OFF BOTTOM:
WELL TEMPERATURE: 0 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2378 PSI
INITIAL FLOW PERIOD MIN: 0 (B) 0 PSI TO (C) 0 PSI
INITIAL CLOSED IN PERIOD MIN: 0 (D) 0 PSI
FINAL FLOW PERIOD MIN: 0 (E) 0 PSI TO (F) 0 PSI
FINAL CLOSED IN PERIOD MIN: 0 (G) 0 PSI
FINAL HYDROSTATIC PRESSURE (H) 2378 PSI

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