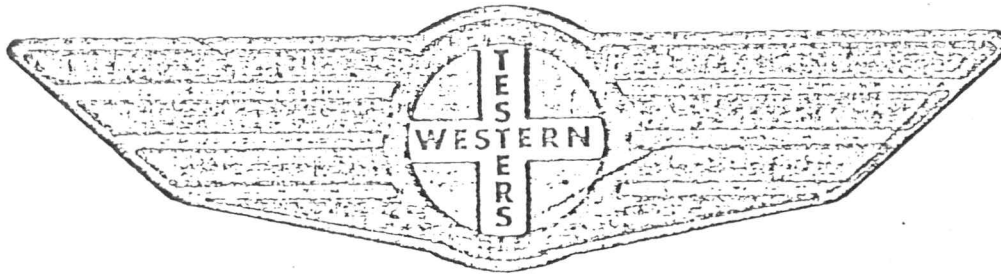


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company

RAYMOND OIL COMPANY, INC. Lease and Well No. #1 "A" FOSTER Sec. 36 Twp. 20S Rge. 9W Test No. 1 Date 5/15/84

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 5/15/84
CUSTOMER: RAYMOND OIL COMPANY INC.
WELL: 1 TEST: 1
ELEVATION (KB): 1683 FORMATION: KINDERHOOK
SECTION: 36 TOWNSHIP: 20S
RANGE: 9W COUNTY: RICE STATE: KANSAS
GAUGE SN #13551 RANGE: 4150 CLOCK: 12

TICKET #3851
LEASE: "A" FOSTER
GEOLOGIST: PALMER

INTERVAL TEST FROM: 3301 FT TO: 3320 FT TOTAL DEPTH: 3320 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3296 FT SIZE: 6 3/4 IN PACKER DEPTH: 3301 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: DUKE
MUD TYPE: STARCH VISCOSITY: 42
WEIGHT: 10.2 WATER LOSS (CC): 10.0
CHLORIDES (P.P.M.): 63000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: 972 FT I.D.: 3.2 IN
DRILL PIPE LENGTH: 2311 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 19 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 F.H. IN

BLOW: INITIAL FLOW PERIOD; WEAK; 1 INCH IN BUCKET.
FINAL FLOW PERIOD; NO BLOW.

RECOVERED: 300 FT OF: DRILLING MUD
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
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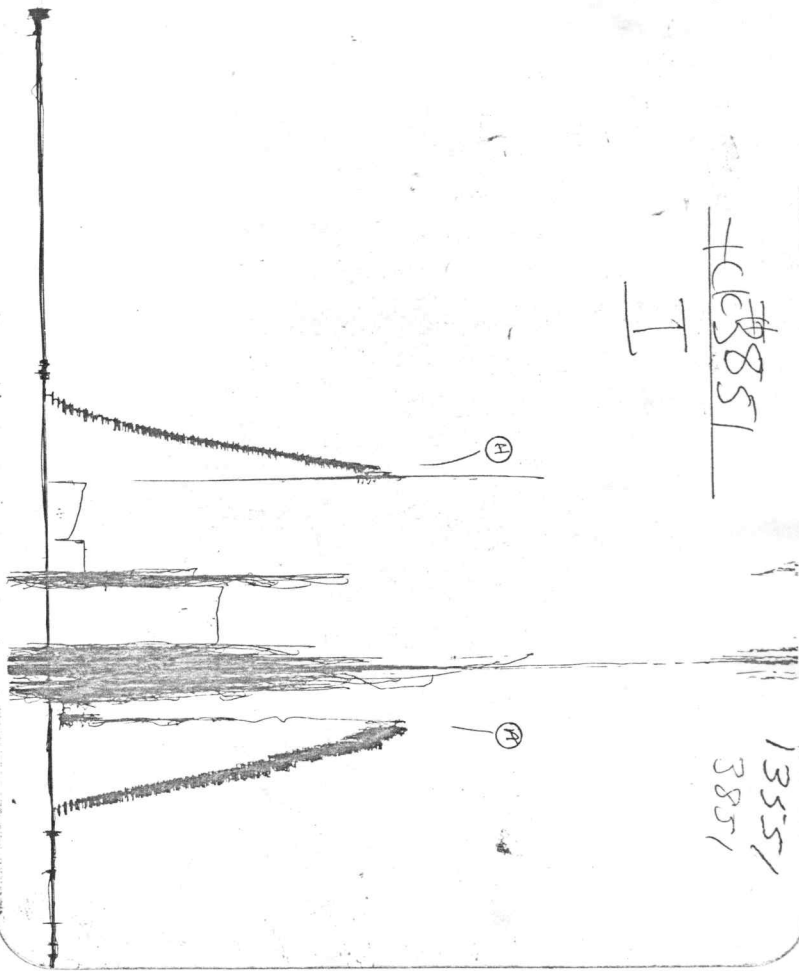
REMARKS: PACKER FAILURE.

TIME SET PACKER(S): 7:45 P.M. TIME STARTED OFF BOTTOM: 10:15 P.M.
WELL TEMPERATURE: 103 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1833 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) 1815 PSI

HC# 3851

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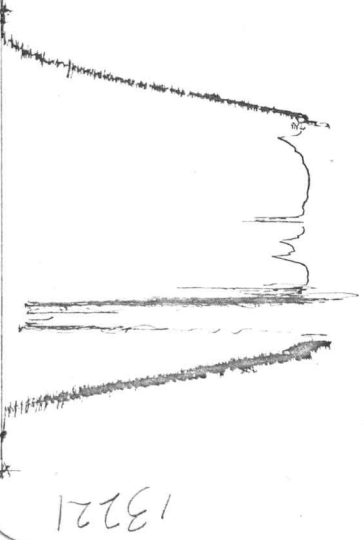
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HC# 3851

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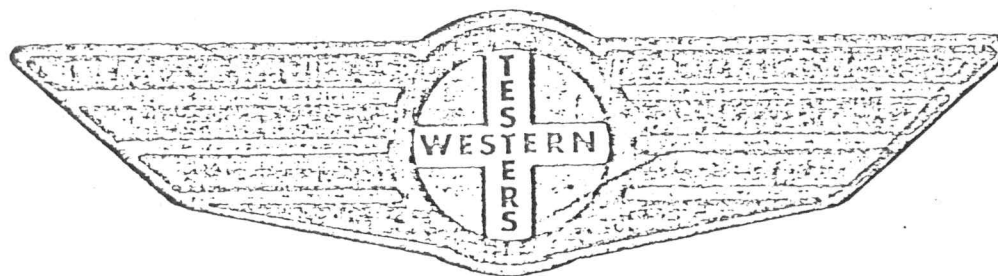


13221

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company

RAYMOND OIL COMPANY, INC. Lease and Well No. #1 "A" FOSTER Sec. 36 Twp. 20S Rge. 9W Test No. 2 Date 5/16/84

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 5/16/84
 CUSTOMER: RAYMOND OIL COMPANY INC.
 WELL: 1 TEST: 2
 ELEVATION (KB): 1683 FORMATION: KINDERHOOK
 SECTION: 36 TOWNSHIP: 20S
 RANGE: 9W COUNTY: RICE STATE: KANSAS
 GAUGE SN #13221 RANGE: 4450 CLOCK: 12

INTERVAL TEST FROM: 3260 FT TO: 3320 FT TOTAL DEPTH: 3320 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 3255 FT SIZE: 6 3/4 IN PACKER DEPTH: 3260 FT SIZE: 6 3/4 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: DUKE
 MUD TYPE: STARCH VISCOSITY: 42
 WEIGHT: 10.2 WATER LOSS (CC): 10.0
 CHLORIDES (P.P.M.): 63000
 JARS - MAKE: SERIAL NUMBER:
 DID WELL FLOW? REVERSED OUT?
 DRILL COLLAR LENGTH: FT I.D.: IN
 WEIGHT PIPE LENGTH: 972 FT I.D.: 3.2 IN
 DRILL PIPE LENGTH: 2268 FT I.D.: 3.8 IN
 TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
 ANCHOR LENGTH: 60 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 F.H. IN

BLOW: INITIAL FLOW PERIOD; WEAK STEADY BLOW; 1 INCH
 IN BUCKET. FINAL FLOW PERIOD; 6 INCH BLOW SLOWLY
 DECREASING TO 2 INCHES.

RECOVERED: 125 FT OF: DRILLING MUD
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
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REMARKS: READ OUTSIDE CHART. PICKED TOOL UP TOO HIGH ON
 INITIAL SHUT-IN.

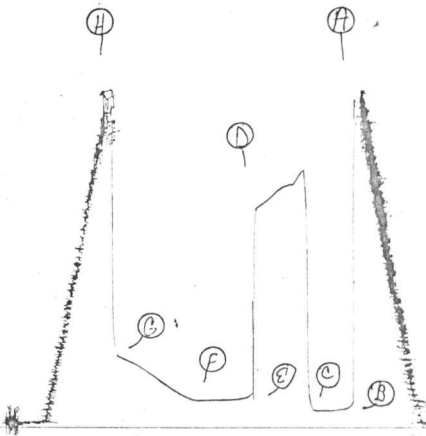
TIME SET PACKER(S): 5:10 A.M. TIME STARTED OFF BOTTOM: 8:10 A.M.
 WELL TEMPERATURE: 100 °F
 INITIAL HYDROSTATIC PRESSURE: (A) 1795 PSI
 INITIAL FLOW PERIOD MIN: 30 (B) 147 PSI TO (C) 100 PSI
 INITIAL CLOSED IN PERIOD MIN: 42 (D) 1268 PSI
 FINAL FLOW PERIOD MIN: 45 (E) 201 PSI TO (F) 156 PSI
 FINAL CLOSED IN PERIOD MIN: 57 (G) 412 PSI
 FINAL HYDROSTATIC PRESSURE (H) 1770 PSI

TKT #3852

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