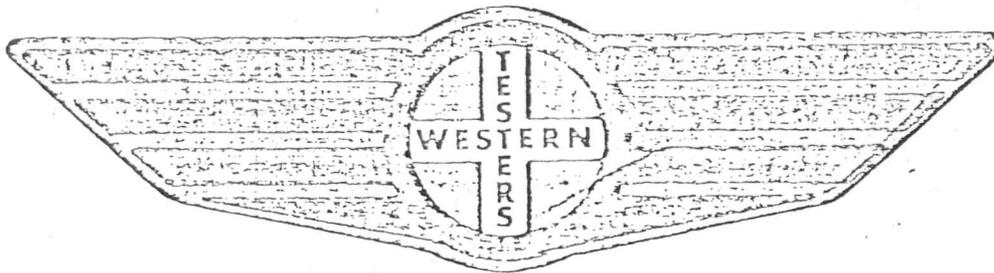


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company REEF OIL OPERATIONS INC. Lease and Well No. #1 DIRKS Sec. 23 Twp. 20s Rge. 16W Test No. 1 Date 8/27/84

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/27/84 TICKET #5324
CUSTOMER: REIF OIL OPERATIONS INC. LEASE: DIRKS
WELL: #1 TEST: 1 GEOLOGIST: REED
ELEVATION (KB): 2025 FORMATION: ARBUCKLE
SECTION: 23 TOWNSHIP: 20S
RANGE: 16W COUNTY: PAWNEE STATE: KANSAS
GAUGE SN #13553 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 3714 FT TO: 3746 FT TOTAL DEPTH: 3746 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3709 FT SIZE: 6 5/8 IN PACKER DEPTH: 3714 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: REVLIN
MUD TYPE: STARCH VISCOSITY: 34
WEIGHT: 9.7 WATER LOSS (CC): 15.0
CHLORIDES (P.P.M.): 76000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3693 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 32 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 STRONG OFF BOTTOM
OF BUCKET IN 1 MINUTE. FINAL FLOW
PERIOD STRONG OFF BOTTOM OF BUCKET
BLOW THROUGHOUT TEST.

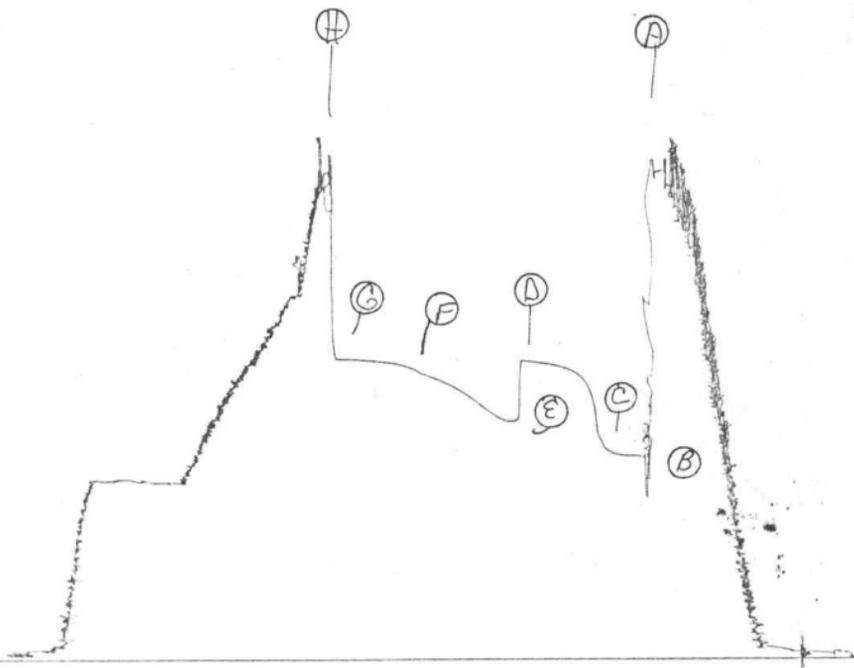
RECOVERED: 210 FT OF: GASSY OIL CUT MUD; 30% GAS; 15% OIL; 55% MUD.
RECOVERED: 300 FT OF: GASSY OIL CUT WTR; 25% GAS; 23% OIL; 52% WTR.
RECOVERED: 600 FT OF: GASSY OIL CUT WTR; 20% GAS; 15% OIL; 65% WTR.
RECOVERED: 420 FT OF: SLIGHTLY OIL & GAS CUT WATER.
RECOVERED: FT OF: 12% GAS; 5% OIL; 83% WTR.
RECOVERED: 1320 FT OF: WATER. FLUID REVERSED OUT.
RECOVERED: FT OF: CHLORIDES 31000 P.P.M.
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: GAS TO SURFACE IN 10 MINUTES IN
FINAL FLOW PERIOD NOT ENOUGH TO GAUGE
LESS THAN 528 CFPD.

TIME SET PACKER(S): 8:40 A.M. TIME STARTED OFF BOTTOM: 11:40 A.M.
WELL TEMPERATURE: 116 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1942 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 644 PSI TO (C) 894 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1199 PSI
FINAL FLOW PERIOD MIN: 55 (E) 953 PSI TO (F) 1145 PSI
FINAL CLOSED IN PERIOD MIN: 51 (G) 1206 PSI
FINAL HYDROSTATIC PRESSURE (H) 1939 PSI

TKT# 5324

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TKT #5324

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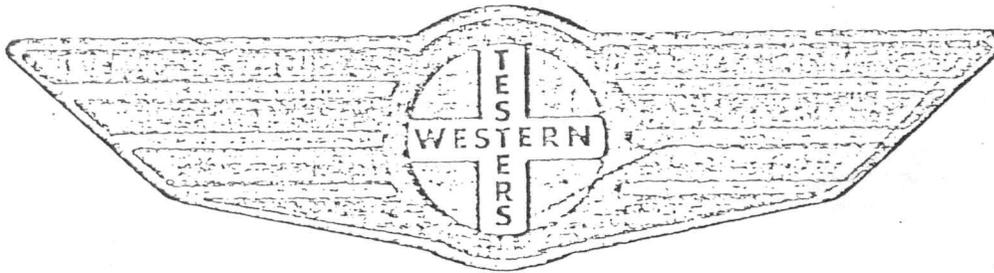


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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

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Company REIF OIL OPERATIONS INC. Lease and Well No. #1 DIRKS Sec. 23 Twp. 20S Rge. 16W Test No. 2 Date 8/28/84

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/28/84 TICKET #5325
CUSTOMER: REIF OIL OPERATIONS INC. LEASE: DIRKS
WELL: #1 TEST: 2 GEOLOGIST: REED
ELEVATION (KB): 2025 FORMATION: ARBUCKLE
SECTION: 23 TOWNSHIP: 20S
RANGE: 16W COUNTY: PAWNEE STATE: KANSAS
GAUGE SN #13553 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 3770 FT TO: 3780 FT TOTAL DEPTH: 3780 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3765 FT SIZE: 6 5/8 IN PAKER DEPTH: 3770 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: REVLIN
MUD TYPE: STARCH VISCOSITY: 43
WEIGHT: 9.6 WATER LOSS (CC): 14.2
CHLORIDES (P.P.M.): 64000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? YES
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3749 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 10 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 OFF BOTTOM OF
BUCKET DURING LAST MINUTE OF FLOW.
FINAL FLOW PERIOD OFF BOTTOM OF
BUCKET THROUGHOUT FLOW PERIOD.

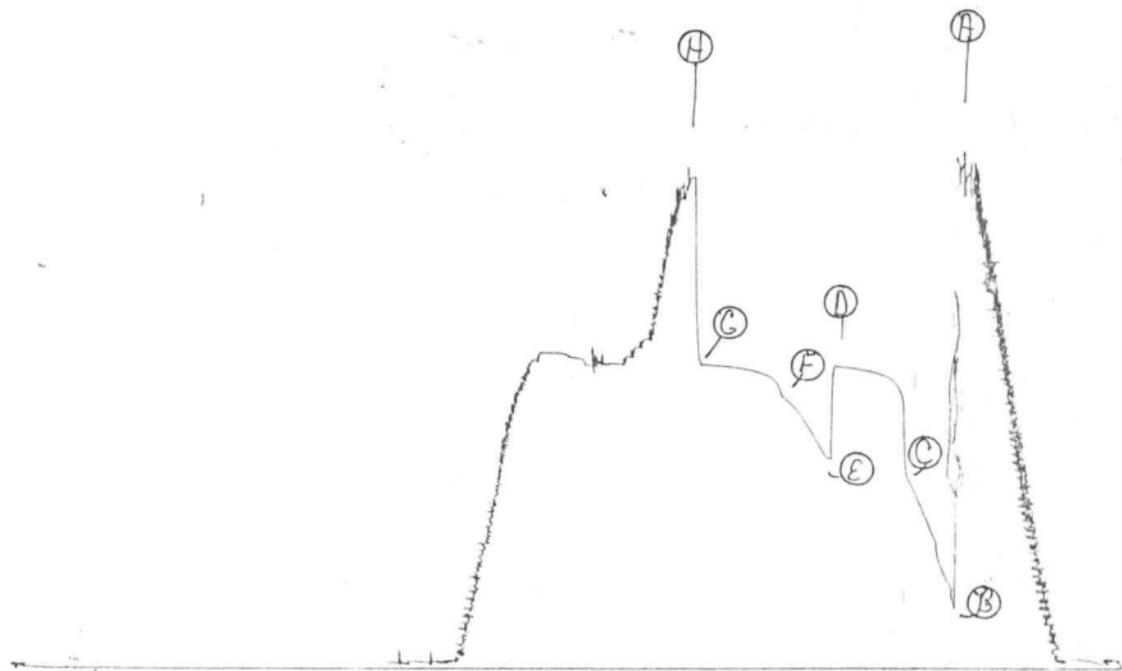
RECOVERED: 2650 FT OF: GASSY WATER (WITH OIL SHOW- LESS THAN 3%)
RECOVERED: FT OF: CHLORIDES 34000 P.P.M.
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 12:30 A.M. TIME STARTED OFF BOTTOM: 3:00 A.M.
WELL TEMPERATURE: 117 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1978 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 239 PSI TO (C) 762 PSI
INITIAL CLOSED IN PERIOD MIN: 42 (D) 1205 PSI
FINAL FLOW PERIOD MIN: 30 (E) 837 PSI TO (F) 1082 PSI
FINAL CLOSED IN PERIOD MIN: 45 (G) 1210 PSI
FINAL HYDROSTATIC PRESSURE (H) 1950 PSI

TKT # 5325

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TKT # 5325

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