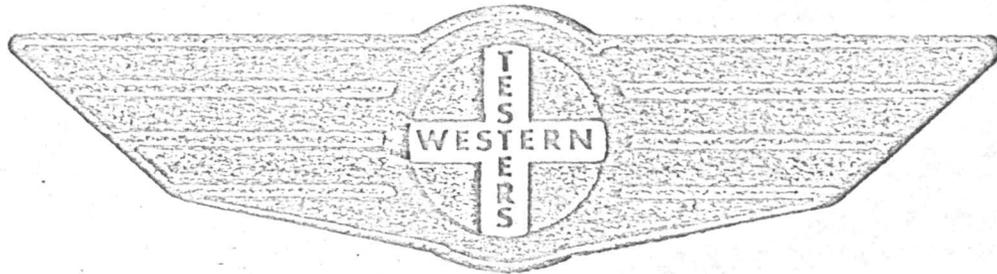


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company PETROLEUM ENERGY, INC. Lease & Well No. #1 BATER Sec. 6 Twp. 22S Rge. 13W Test No. 1 Date 7/7/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 7-7-85
CUSTOMER: PETROLEUM ENERGY INC.
WELL: 1 TEST: 1
ELEVATION (KB): 1919 FORMATION: LANSING
SECTION: 6 TOWNSHIP: 22S
RANGE: 13W COUNTY: STAFFORD STATE: KANSAS
GAUGE SN #13547 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 3392 FT TO: 3422 FT TOTAL DEPTH: 3422 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3387 FT SIZE: 6 5/8 IN PAKER DEPTH: 3392 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHITE & ELLIS RIG #2
MUD TYPE: STARCH VISCOSITY: 35
WEIGHT: 9.4 WATER LOSS (CC): 17.2
CHLORIDES (P.P.M.): 70000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 327 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3044 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 4 3/4 IN
ANCHOR LENGTH: 30 FT SIZE: 5 1/2 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 STRON BLOW;
OFF BOTTOM OF BUCKET DURING FIRST MINUTE.
FINAL FLOW PERIOD STRONG
BLOW THROUGHOUT.

RECOVERED: 185 FT OF: GASSY OIL CUT WATERY MUD
RECOVERED: FT OF: (10% OIL; 50% GAS; 15% WATER; 25% MUD).
RECOVERED: 120 FT OF: HEAVY OIL & MUD CUT WATER
RECOVERED: FT OF: (40% OIL; 10% GAS; 40% WATER; 10% MUD).
RECOVERED: 60 FT OF: WATER CUT OIL
RECOVERED: FT OF: (60% OIL; 10% GAS; 25% WATER; 5% MUD).
RECOVERED: FT OF: CHLORIDES 81000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:

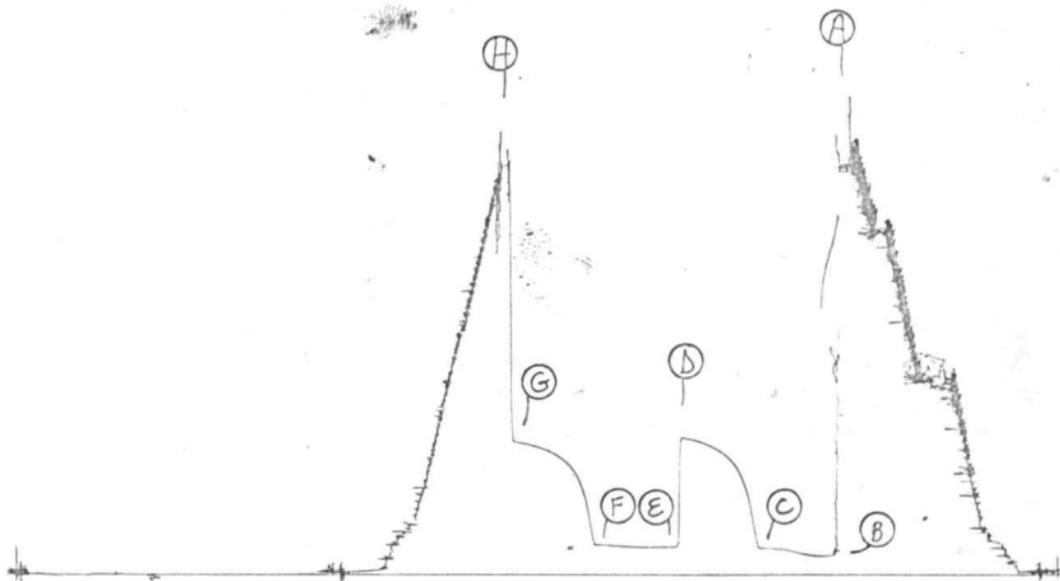
REMARKS: SLID 4 FEET TO BOTTOM.
GAS TO SURFACE AT 15 MINUTES INTO
INITIAL SHUT-IN PERIOD; NOT
ENOUGH TO GAUGE.

TIME SET PACKER(S): 4:10 AM TIME STARTED OFF BOTTOM: 7:10 AM
WELL TEMPERATURE: 106 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1720 PSI
INITIAL FLOW PERIOD MIN: 45 (B) 82 PSI TO (C) 113 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 579 PSI
FINAL FLOW PERIOD MIN: 50 (E) 120 PSI TO (F) 128 PSI
FINAL CLOSED IN PERIOD MIN: 48 (G) 563 PSI
FINAL HYDROSTATIC PRESSURE (H) 1720 PSI

TKT # 10325

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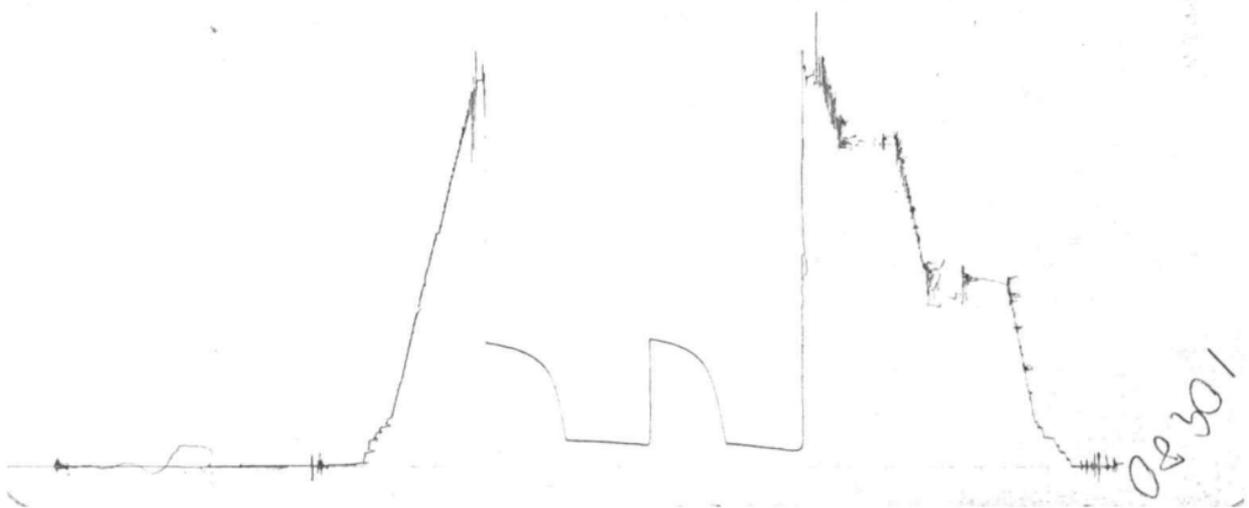
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TKT # 10325

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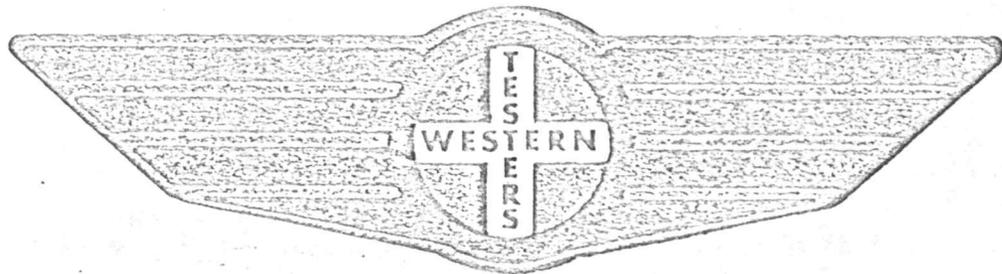


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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company PETROLEUM ENERGY, INC. Lease & Well No. #1 BAUER Sec. 6 Twp. 22S Rge. 13W Test No. 2 Date 7/8/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 7-8-85
CUSTOMER: PETROLEUM ENERGY INC.
WELL: 1 TEST: 2
ELEVATION (KB): 1919 FORMATION: KANSAS CITY
SECTION: 6 TOWNSHIP: 22S
RANGE: 13W COUNTY: STAFFORD STATE: KANSAS
GAUGE SN #13547 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 3499 FT TO: 3532 FT TOTAL DEPTH: 3532 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3494 FT SIZE: 6 3/4 IN PACKER DEPTH: 3499 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHITE & ELLIS RIG #2
MUD TYPE: STARCH VISCOSITY: 35
WEIGHT: 9.4 WATER LOSS (CC): 17.2
CHLORIDES (P.P.M.): 70000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?

DRILL COLLAR LENGTH: 327 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3151 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 4 3/4 IN
ANCHOR LENGTH: 33 FT SIZE: 5 1/2 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 BLOW;
OFF BOTTOM OF BUCKET DURING FIRST MINUTE.
FINAL FLOW PERIOD STRONG BLOW THROUGHOUT;
DECREASING SOMEWHAT DURING LAST 1/2 OF PERIOD.

RECOVERED: 240 FT OF: GASSY OIL CUT MUD
RECOVERED: FT OF: (13% OIL; 35% GAS; 12% WATER; 40% MUD).
RECOVERED: 180 FT OF: GASSY OIL CUT MUDDY WATER
RECOVERED: FT OF: (21% OIL; 22% GAS; 33% WATER; 24% MUD).
RECOVERED: 120 FT OF: GAS & OIL CUT MUDDY WATER
RECOVERED: FT OF: (35% OIL; 10% GAS; 45% WATER; 10% MUD).
RECOVERED: 60 FT OF: OIL & GAS CUT WATER (15% OIL; 50% GAS; 35% WATER)
RECOVERED: 120 FT OF: SLIGHTLY OIL CUT WATER (5% OIL; 95% WATER).
RECOVERED: 360 FT OF: WATER.

REMARKS: CHLORIDES 81000 PPM.
SLID 3 FEET TO BOTTOM.

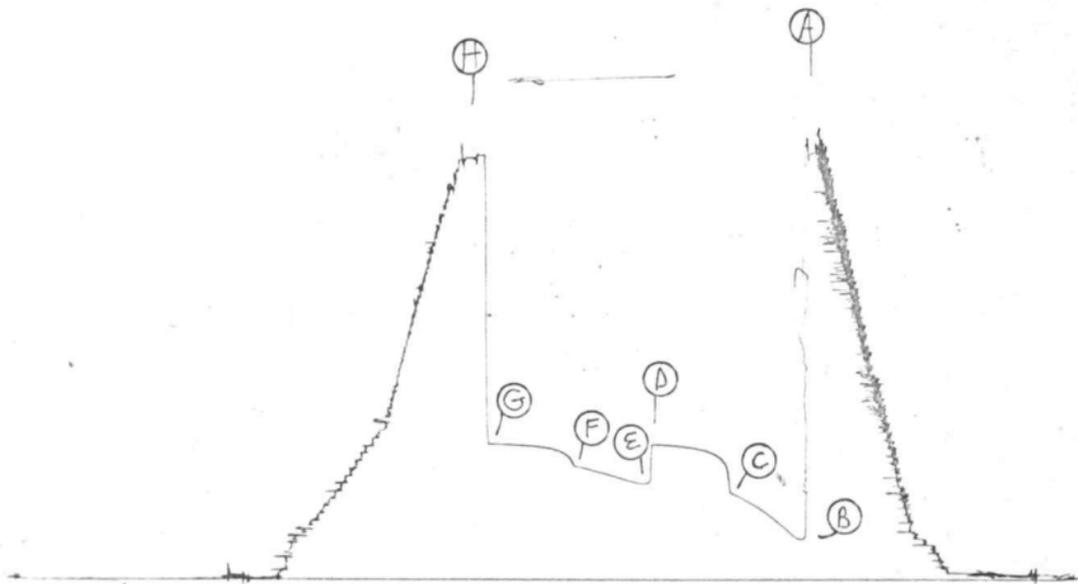
TIME SET PACKER(S): 2:15 AM TIME STARTED OFF BOTTOM: 5:15 AM
WELL TEMPERATURE: 109 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1784 PSI
INITIAL FLOW PERIOD MIN: 45 (B) 172 PSI TO (C) 362 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 569 PSI
FINAL FLOW PERIOD MIN: 45 (E) 405 PSI TO (F) 478 PSI
FINAL CLOSED IN PERIOD MIN: 51 (G) 572 PSI
FINAL HYDROSTATIC PRESSURE (H) 1784 PSI

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TKT # 9976

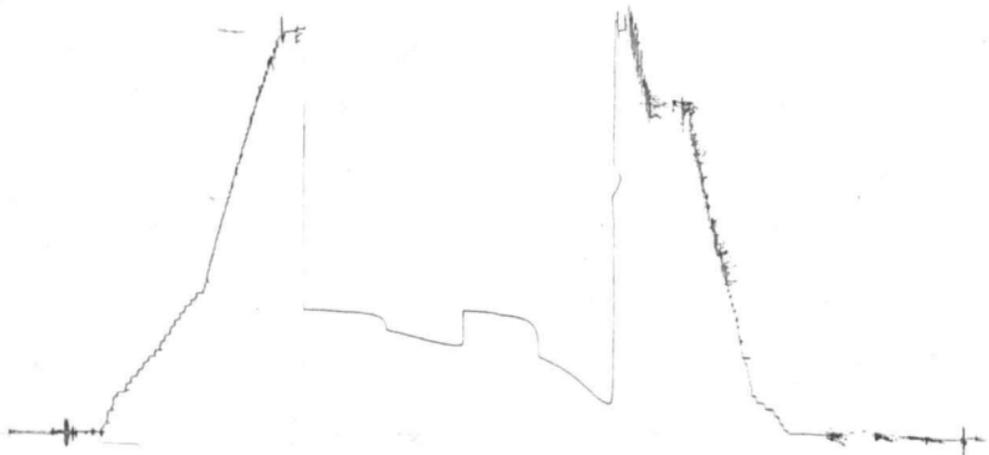
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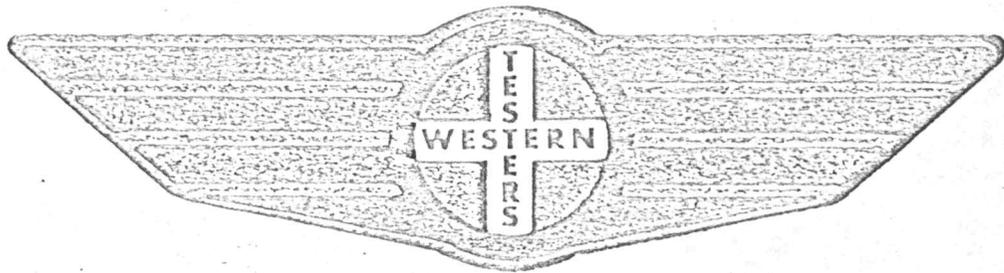
TKT # 9976



FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company PETROLEUM ENERGY, INC. Lease & Well No. #1 BATER Sec. 6 Twp. 22S Rge. 13W Test No. 3 Date 7/8/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 7-8-85
CUSTOMER: PETROLEUM ENERGY INC.
WELL: 1 TEST: 3
ELEVATION (KB): 1919 FORMATION: KANSAS CITY
SECTION: 6 TOWNSHIP: 22
RANGE: 13W COUNTY: STAFFORD STATE: KANSAS
GAUGE SN #13547 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 3560 FT TO: 3590 FT TOTAL DEPTH: 3590 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3555 FT SIZE: 6 5/8 IN PACKER DEPTH: 3560 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHITE & ELLIS RIG #2
MUD TYPE: STARCH VISCOSITY: 38
WEIGHT: 9.6 WATER LOSS (CC): 18.2
CHLORIDES (P.P.M.): 75000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?
DRILL COLLAR LENGTH: 327 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3212 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 4 3/4 IN
ANCHOR LENGTH: 30 FT SIZE: 5 1/2 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 VERY WEAK BLOW;
SLOWLY BUILDING TO 1 1/2 INCHES AT END.
FINAL FLOW PERIOD WEAK BLOW;
INCREASED TO 2 1/2 INCHES AT END OF PERIOD.

RECOVERED: 5 FT OF: GASSY OIL CUT MUD
RECOVERED: FT OF: (8% OIL; 52% GAS; 10% WATER; 30% MUD).
RECOVERED: 60 FT OF: MUD (3% OIL; 10% WATER; 85% MUD).
RECOVERED: 235 FT OF: GAS ABOVE FLUID.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

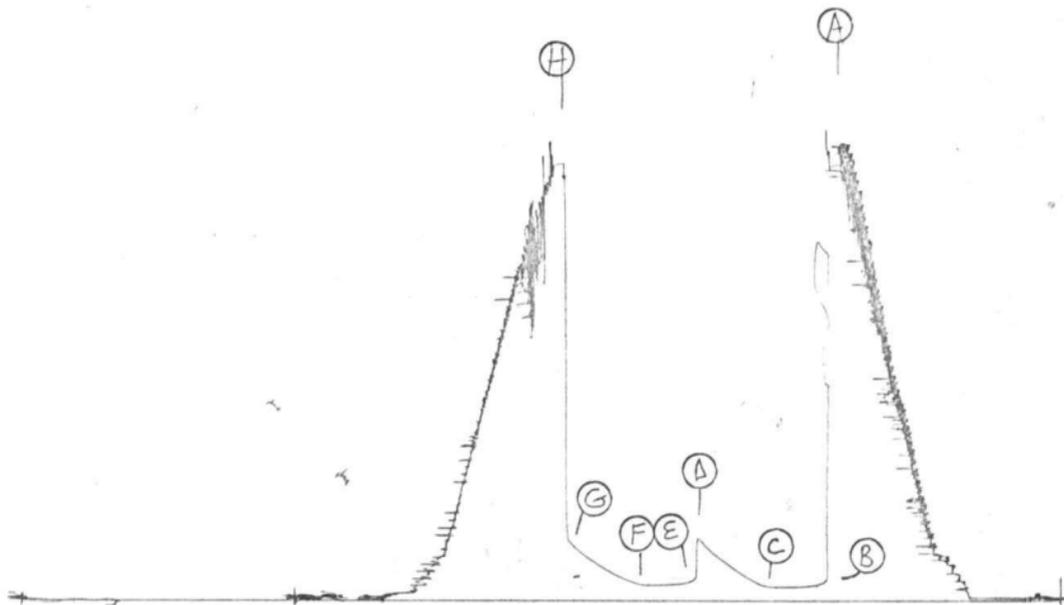
TIME SET PACKER(S): 9:15 PM TIME STARTED OFF BOTTOM: 11:45 PM
WELL TEMPERATURE: 109 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1821 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 58 PSI TO (C) 58 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 263 PSI
FINAL FLOW PERIOD MIN: 30 (E) 68 PSI TO (F) 68 PSI
FINAL CLOSED IN PERIOD MIN: 45 (G) 255 PSI
FINAL HYDROSTATIC PRESSURE (H) 1821 PSI

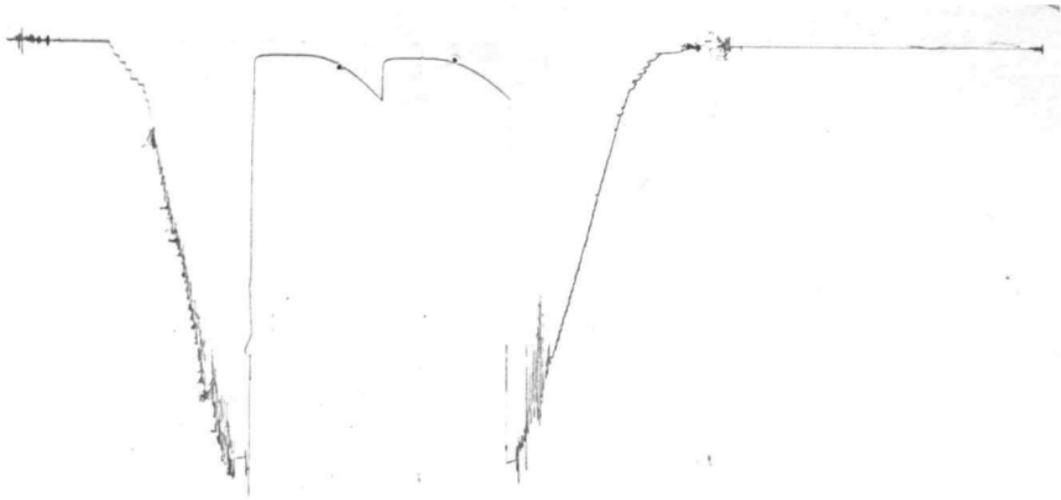
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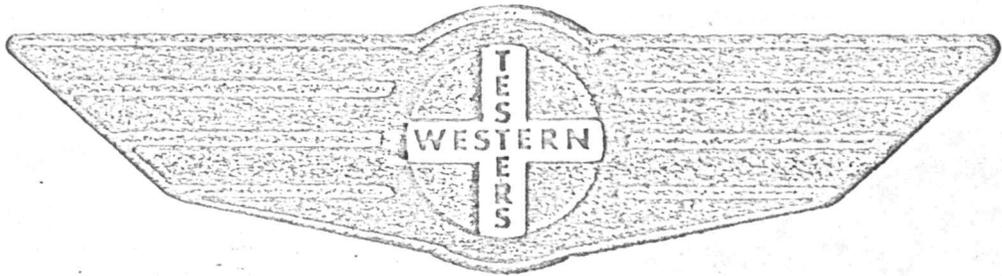
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company PETROLEUM ENERGY, INC. Lease & Well No. #1 BATER Sec. 6 Twp. 22S Rge. 13W Test No. 4 Date 7/9/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 7-9-85
CUSTOMER: PETROLEUM ENERGY INC.
WELL: 1 TEST: 4
ELEVATION (KB): 1919 FORMATION: ARBUCKLE
SECTION: 6 TOWNSHIP: 22S
RANGE: 13W COUNTY: STAFFORD STATE: KANSAS
GAUGE SN #13547 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 3630 FT TO: 3703 FT TOTAL DEPTH: 3703 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3625 FT SIZE: 6 5/8 IN PAKER DEPTH: 3630 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHITE & ELLIS RIG #2
MUD TYPE: STARCH VISCOSITY: 40
WEIGHT: 9.6 WATER LOSS (CC): 12
CHLORIDES (P.P.M.): 82000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?

DRILL COLLAR LENGTH: 327 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3282 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 4 3/4 IN
ANCHOR LENGTH: 73 FT SIZE: 5 1/2 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 BLOW; OFF BOTTOM
OF BUCKET DURING FIRST 5 MINUTES OF PERIOD.
FINAL FLOW PERIOD STRONG BLOW
THROUGHOUT PERIOD.

RECOVERED: 50 FT OF: OIL & GAS CUT WATERY MUD
RECOVERED: FT OF: (25% OIL; 15% GAS; 20% WATER; 40% MUD).
RECOVERED: 60 FT OF: OIL & GAS CUT WATERY MUD
RECOVERED: FT OF: (42% OIL; 8% GAS; 20% WATER; 30% MUD).
RECOVERED: 60 FT OF: GAS CUT OIL (95% OIL; 5% GAS).
RECOVERED: 360 FT OF: GASSY OIL (97% OIL; 3% GAS).
RECOVERED: 300 FT OF: GASSY OIL (90% OIL; 10% GAS).
RECOVERED: 365 FT OF: GASSY OIL (70% OIL; 30% GAS).
RECOVERED: 120 FT OF: GASSY OIL (90% OIL; 10% GAS).

REMARKS: 250 GAS ABOVE FLUID.
CHLORIDES 86000 PPM.
SLID TOOL 10 FEET TO BOTTOM.

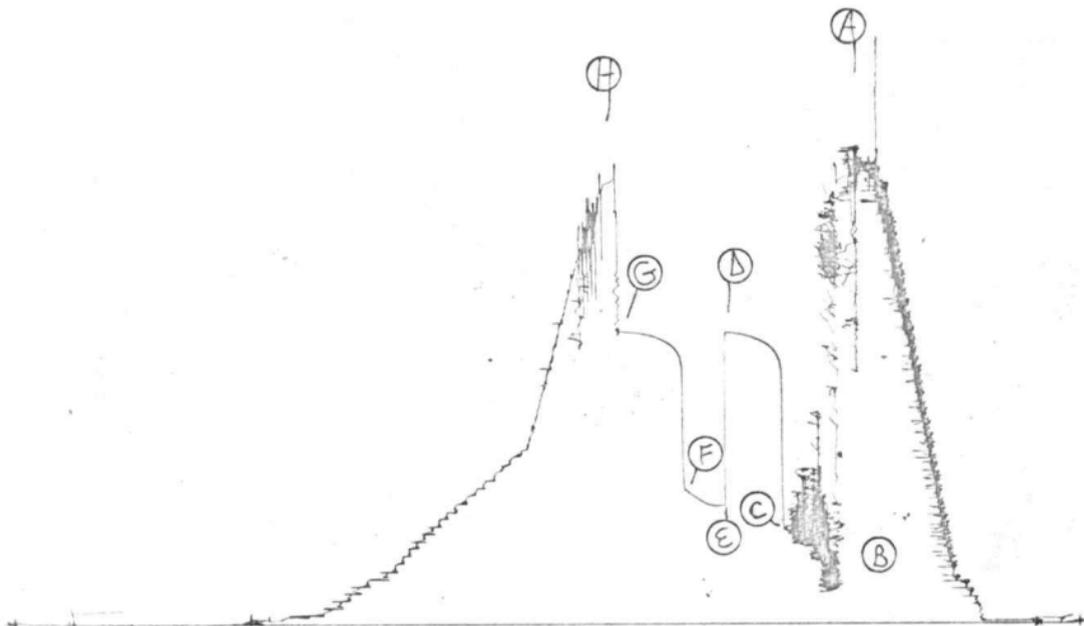
TIME SET PACKER(S): 9:15 PM TIME STARTED OFF BOTTOM: 11:15 PM
WELL TEMPERATURE: 116 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1878 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 138 PSI TO (C) 390 PSI
INITIAL CLOSED IN PERIOD MIN: 36 (D) 1220 PSI
FINAL FLOW PERIOD MIN: 25 (E) 498 PSI TO (F) 563 PSI
FINAL CLOSED IN PERIOD MIN: 39 (G) 1225 PSI
FINAL HYDROSTATIC PRESSURE (H) 1842 PSI

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TKT # 9978.

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TKT # 9978

