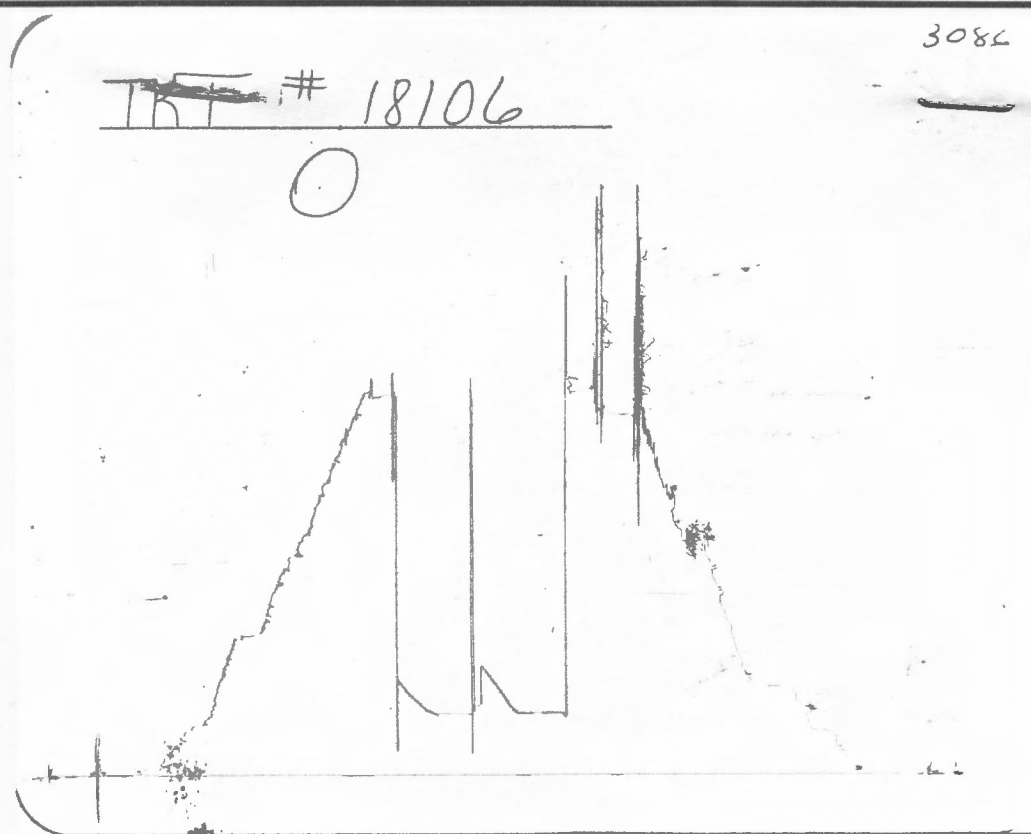


Inside Recorder

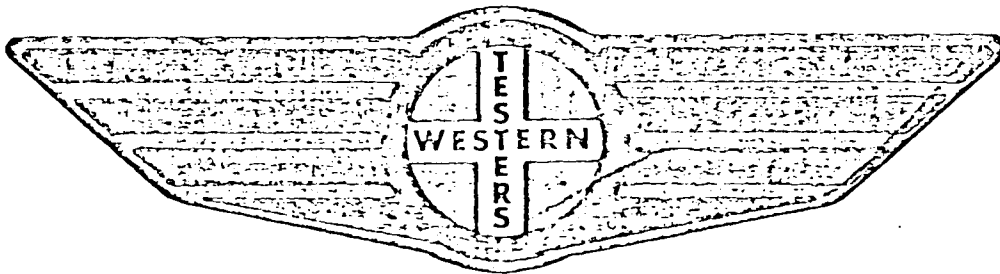


Outside Recorder

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company ABERCROMBIE DRILLING, INC Lease and Well No. #1 SALMANS Sec. 2 Twp. 22S Rge. 22W Test No. 1 Date 12/27/

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 12/27/83
CUSTOMER: ABERCROMBIE DRILLING INC.
WELL: 1 TEST: 1
ELEVATION (KB): 2177 FORMATION: FORT SCOTT
SECTION: 2 TOWNSHIP: 22S
RANGE: 22W COUNTY: HODGEMAN STATE: KANSAS
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

INTERVAL TEST FROM: 4330 FT TO: 4364 FT TOTAL DEPTH: 4364 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4325 FT SIZE: 6 5/8 IN PAKER DEPTH: 4330 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG
MUD TYPE: STARCH VISCOSITY: 40
WEIGHT: 9.5 WATER LOSS (CC): 12.0
CHLORIDES (P.P.M.): 27000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 532 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3777 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 IN
ANCHOR LENGTH: 34 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 IN

BLOW: INITIAL FLOW PERIOD 3* DEPLETING BLOW.
DEAD IN 25 MINUTES.
FINAL FLOW PERIOD DEAD. FLUSHED TOOL.

RECOVERED: 680 FT OF: DRILLING MUD.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
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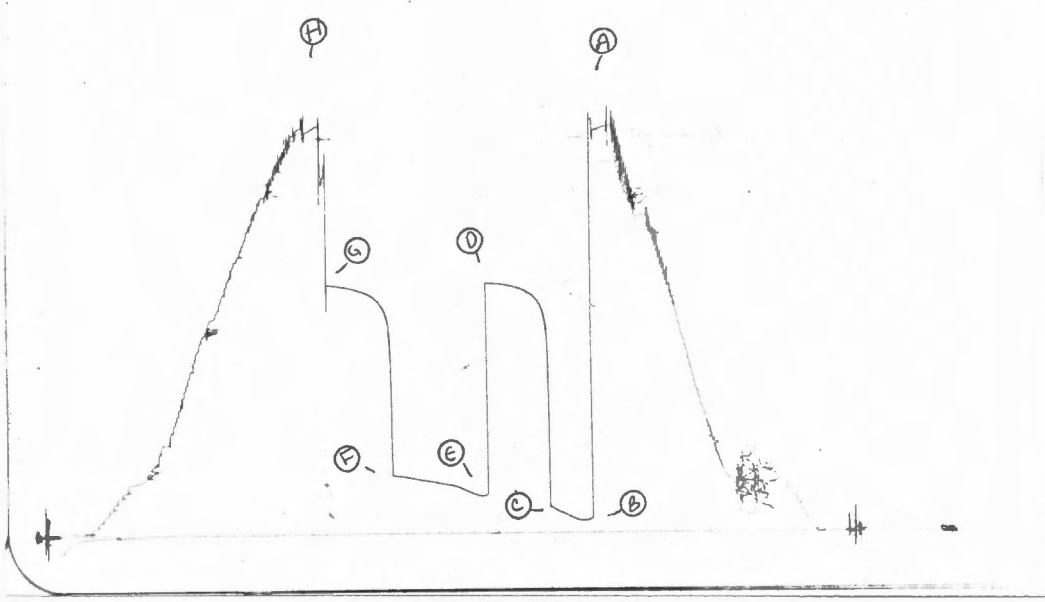
REMARKS: SLID TOOL 200 FEET TO BOTTOM.

TIME SET PACKER(S): 6:00 AM TIME STARTED OFF BOTTOM: 8:00 AM
WELL TEMPERATURE: 117 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2296 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 358 PSI TO (C) 358 PSI
INITIAL CLOSED IN PERIOD MIN: 39 (D) 707 PSI
FINAL FLOW PERIOD MIN: 30 (E) 346 PSI TO (F) 343 PSI
FINAL CLOSED IN PERIOD MIN: 33 (G) 609 PSI
FINAL HYDROSTATIC PRESSURE (H) 2275 PSI

TCE# 18107

1566

I

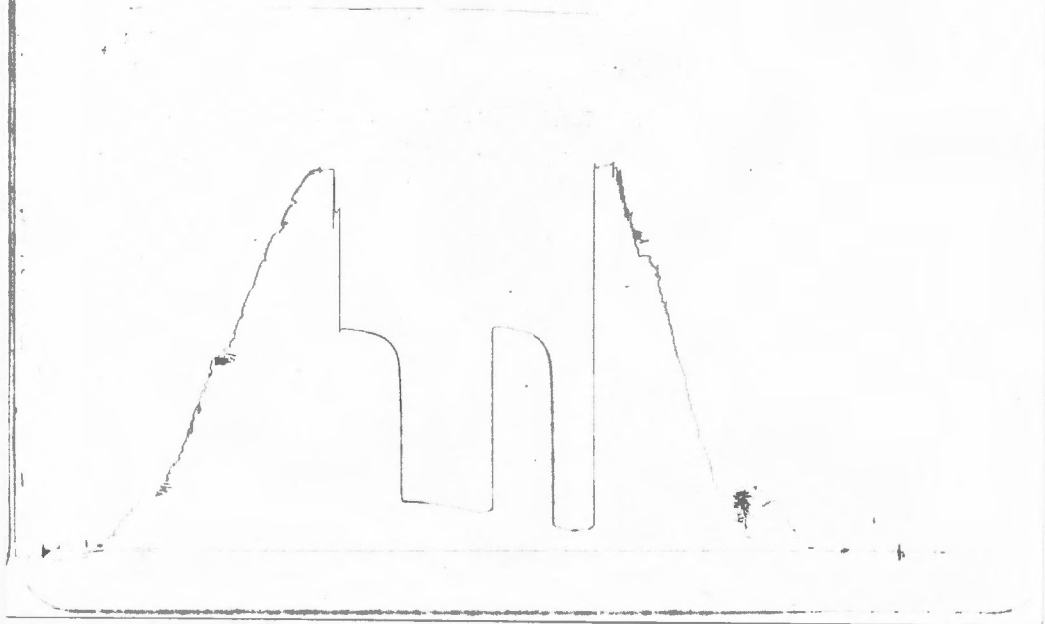


Inside Recorder

TCE# 18107

3086

O

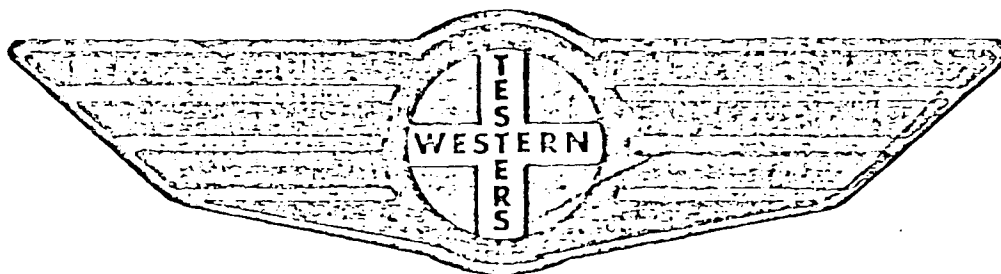


Outside Recorder

FORMATION

TEST

REPORT



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Company ABERCROMBIE DRILLING, INC. Lease and Well No. #1 SAIMANS Sec. 2 Twp. 22S Rge. 22W Test No. 2 Date 2/29/8

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 12/29/83 TICKET #18107
 CUSTOMER: ABERCROMBIE DRILLING CO. INC. LEASE: SALMANS
 WELL: 1 TEST: 2 GEOLOGIST: A. RATZLAFF
 ELEVATION (KB): 2177 FORMATION: MISSISSIPPI
 SECTION: 2 TOWNSHIP: 22S
 RANGE: 22W COUNTY: HODGEMAN STATE: KANSAS
 GAUGE SN #1566 RANGE: 4300 CLOCK: 12

INTERVAL TEST FROM: 4380 FT TO: 4442 FT TOTAL DEPTH: 4442 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 4375 FT SIZE: 6 5/8 IN PACKER DEPTH: 4380 FT SIZE: 6 5/8 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBERAN #4
 MUD TYPE: STARCH VISCOSITY: 43
 WEIGHT: 9.7 WATER LOSS (CC): 6.0
 CHLORIDES (P.P.M.): 32000
 JARS - MAKE: NO SERIAL NUMBER:
 DID WELL FLOW? NO REVERSED OUT? NO
 DRILL COLLAR LENGTH: 501 FT I.D.: 2.2 IN
 WEIGHT PIPE LENGTH: FT I.D.: IN
 DRILL PIPE LENGTH: 3858 FT I.D.: 3.8 IN
 TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 O.D. IN
 ANCHOR LENGTH: 31DC+31 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 IN

BLOW: INITIAL & FINAL FLOW PERIODS - WEAK BUILDING
 TO 7".

RECOVERED: 650 FT OF: VERY SLIGHT GASSY THIN DRILLING MUD WITH A SLIGHT
 HT
 RECOVERED: FT OF: OIL STAIN.
 RECOVERED: FT OF: CHLORIDES 22000 P.P.M.
 RECOVERED: FT OF:
 RECOVERED: FT OF:
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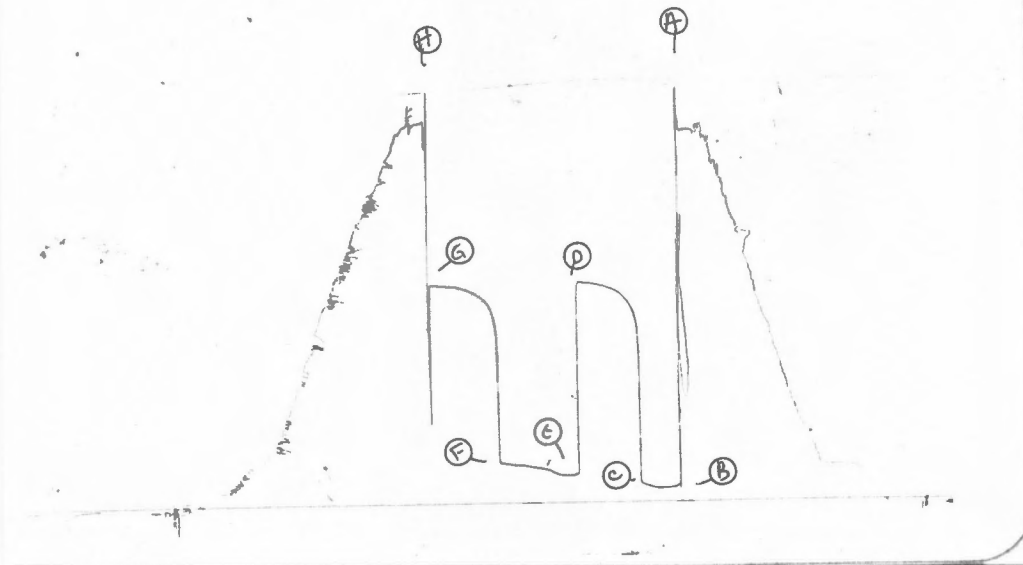
REMARKS:

TIME SET PACKER(S): 12:30 P.M. TIME STARTED OFF BOTTOM: 3:40 P.M.
 WELL TEMPERATURE: 119 °F
 INITIAL HYDROSTATIC PRESSURE: (A) 2302 PSI
 INITIAL FLOW PERIOD MIN: 30 (B) 71 PSI TO (C) 148 PSI
 INITIAL CLOSED IN PERIOD MIN: 45 (D) 1386 PSI
 FINAL FLOW PERIOD MIN: 70 (E) 209 PSI TO (F) 322 PSI
 FINAL CLOSED IN PERIOD MIN: 48 (G) 1377 PSI
 FINAL HYDROSTATIC PRESSURE (H) 2236 PSI

Tck # 18108

3086

D

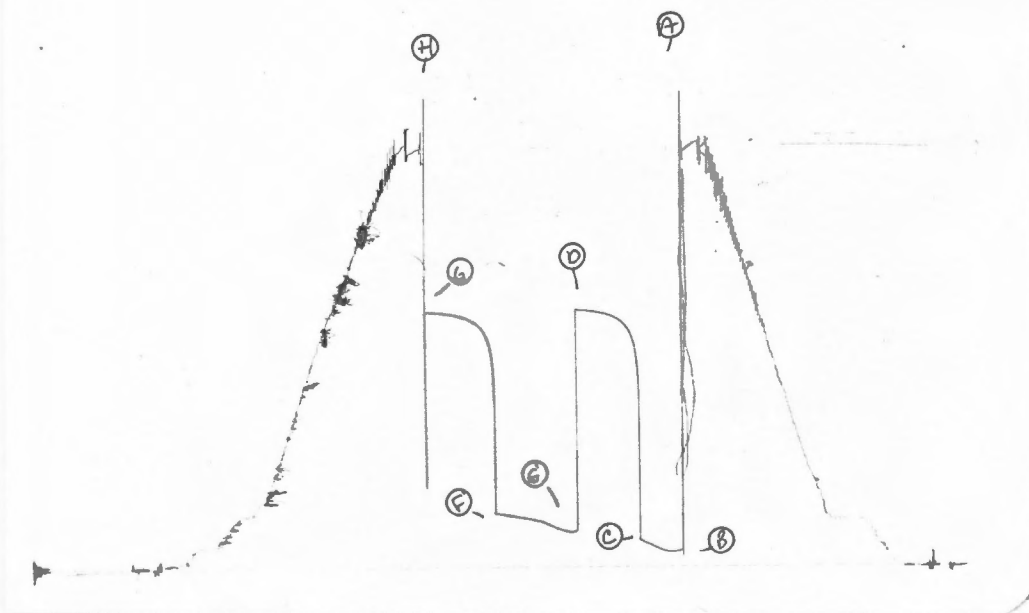


Inside Recorder

Tck # 18108

1566

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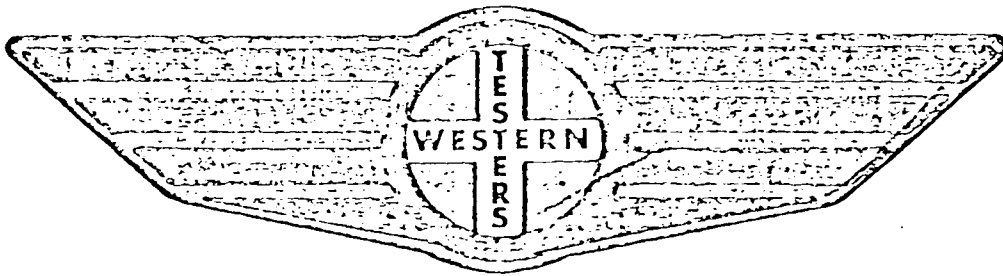


Outside Recorder

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Company ABERCROMBIE DRILLING, INC. Lease and Well No. #1 SALMANS Sec. 2 Twp. 22S Rge. 22W Test No. 3 Date 12/30/8

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 12/30/83 TICKET #18108
 CUSTOMER: ABERCROMBIE DRILLING CO. INC. LEASE: SALMANS
 WELL: 1 TEST: 3 GEOLOGIST: A. RATZLAFF
 ELEVATION (KB): 2177 FORMATION: MISSISSIPPI
 SECTION: 2 TOWNSHIP: 22S
 RANGE: 22W COUNTY: HODGEMAN STATE: KANSAS
 GAUGE SN #3086 RANGE: 4500 CLOCK: 12

INTERVAL TEST FROM: 4442 FT TO: 4450 FT TOTAL DEPTH: 4450 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 4437 FT SIZE: 6 5/8 IN PACKER DEPTH: 4442 FT SIZE: 6 5/8 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBERAN #4
 MUD TYPE: STARCH VISCOSITY: 41
 WEIGHT: 9.7 WATER LOSS (CC): 11.6
 CHLORIDES (P.P.M.): 37000
 JARS - MAKE: NO SERIAL NUMBER:
 DID WELL FLOW? NO REVERSED OUT? NO
 DRILL COLLAR LENGTH: 532 FT I.D.: 2.2 IN
 WEIGHT PIPE LENGTH: FT I.D.: IN
 DRILL PIPE LENGTH: 3889 FT I.D.: 3.8 IN
 TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 O.D. IN
 ANCHOR LENGTH: 8 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 IN

BLOW: INITIAL FLOW PERIOD - 1* BUILDING TO 5*.
 FINAL FLOW PERIOD - WEAK BUILDING TO 4*.

RECOVERED: 575 FT OF: MUDDY SALT WATER
 RECOVERED: FT OF: CHLORIDES 29000 P.P.M.
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 5:15 P.M. TIME STARTED OFF BOTTOM: 8:15 P.M.
 WELL TEMPERATURE: 121 °F
 INITIAL HYDROSTATIC PRESSURE: (A) 2330 PSI
 INITIAL FLOW PERIOD MIN: 30 (B) 84 PSI TO (C) 117 PSI
 INITIAL CLOSED IN PERIOD MIN: 45 (D) 1340 PSI
 FINAL FLOW PERIOD MIN: 60 (E) 165 PSI TO (F) 246 PSI
 FINAL CLOSED IN PERIOD MIN: 51 (G) 1331 PSI
 FINAL HYDROSTATIC PRESSURE (H) 2310 PSI

