

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/16/84
 CUSTOMER: GEAR PETROLEUM CO. INC.
 WELL: 1-15 TEST: 2
 ELEVATION (KB): 0 FORMATION: CHEROKEE
 SECTION: 15 TOWNSHIP: 18S
 RANGE: 27W COUNTY: LANE STATE: KS
 GAUGE SN #6234 RANGE: 4500 CLOCK: 12

INTERVAL TEST FROM: 4565 FT TO: 4580 FT TOTAL DEPTH: 4580 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 4560 FT SIZE: 6 3/4 IN PACKER DEPTH: 4565 FT SIZE: 6 3/4 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RED TIGER
 MUD TYPE: DRISPAC VISCOSITY: 55
 WEIGHT: 9.2 WATER LOSS (CC): 12.0
 CHLORIDES (P.P.M.): 12000
 JARS - MAKE: SERIAL NUMBER:
 DID WELL FLOW? REVERSED OUT?
 DRILL COLLAR LENGTH: FT I.D.: IN
 WEIGHT PIPE LENGTH: 960 FT I.D.: 3.0 IN
 DRILL PIPE LENGTH: 3582 FT I.D.: 3.6 IN
 TEST TOOL LENGTH: 23 FT TOOL SIZE: 5 1/2 OD IN
 ANCHOR LENGTH: 15 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

15-185-21W

BLOW: INITIAL FLOW PERIOD WEAK TO STRONG -BOTTOM OF
 BUCKET IN 3 MINUTES
 FINAL FLOW PERIOD STRONG BLOW -BOTTOM OF BUCKET
 IN 2 MINUTES

RECOVERED: 360 FT OF: GAS IN PIPE
 RECOVERED: 1950 FT OF: FREE GASSY OIL -43 DEGREES GRAVITY @ 60 DEGREES
 RECOVERED: 90 FT OF: OIL CUT GASSY MUD (10% G; 40% M; 50% O)
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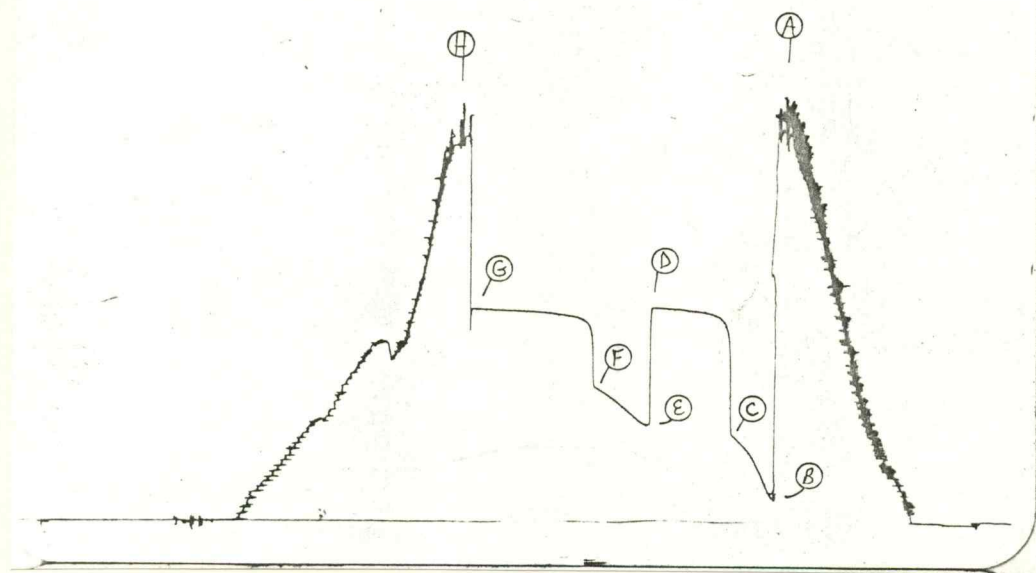
REMARKS:

TIME SET PACKER(S): 12:35 AM TIME STARTED OFF BOTTOM: 4:20 AM
 WELL TEMPERATURE: 120 °F
 INITIAL HYDROSTATIC PRESSURE: (A) 2265 PSI
 INITIAL FLOW PERIOD MIN: 30 (B) 133 PSI TO (C) 508 PSI
 INITIAL CLOSED IN PERIOD MIN: 57 (D) 1246 PSI
 FINAL FLOW PERIOD MIN: 40 (E) 569 PSI TO (F) 787 PSI
 FINAL CLOSED IN PERIOD MIN: 90 (G) 1237 PSI
 FINAL HYDROSTATIC PRESSURE (H) 2233 PSI

TKT # 6571

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DST #2

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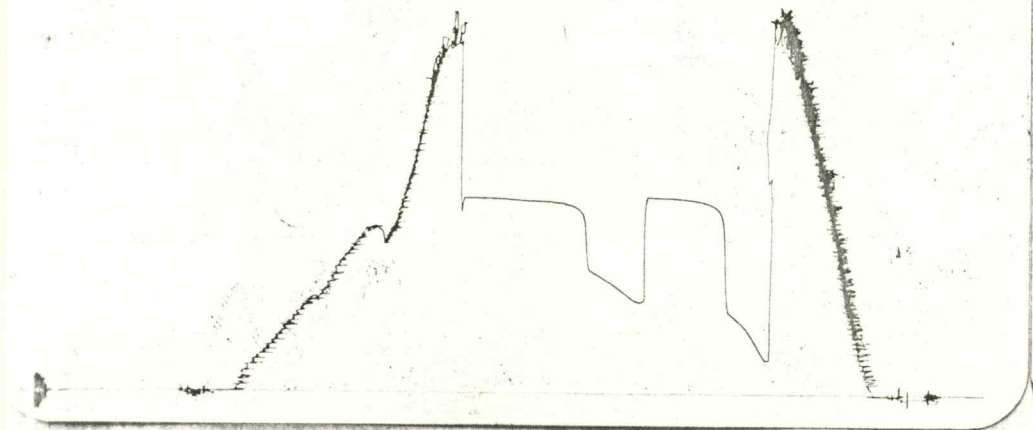


Inside Recorder

TKT # 6571

1565
DST #2

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Outside Recorder

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/16/84
CUSTOMER: GEAR PETROLEUM INC.
WELL: 1-15 TEST: 3
ELEVATION (KB): 0 FORMATION: CHEROKEE
SECTION: 15 TOWNSHIP: 18S
RANGE: 27W COUNTY: LANE STATE: KS
GAUGE SN #6234 RANGE: 4500 CLOCK: 12

INTERVAL TEST FROM: 4582 FT TO: 4588 FT TOTAL DEPTH: 4588 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4577 FT SIZE: 6 3/4 IN PACKER DEPTH: 4582 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RED TIGER
MUD TYPE: DRISPAC VISCOSITY: 53
WEIGHT: 8.8 WATER LOSS (CC): 8
CHLORIDES (P.P.M.): 10000
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? GAS REVERSED OUT?
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: 960 FT I.D.: 3.0 IN
DRILL PIPE LENGTH: 3597 FT I.D.: 3.6 IN
TEST TOOL LENGTH: 25 FT TOOL SIZE: 5 1/2 IN
ANCHOR LENGTH: 6 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 WEAK TO STRONG -BOTTOM OF
BUCKET IN 3 MINUTES
FINAL FLOW PERIOD WEAK TO STRONG BLOW -BOTTOM
OF BUCKET IN 2 1/2 MINUTES

RECOVERED: 1750 FT OF: FREE GASSY OIL 42 DEGREES GRAVITY @ 60 DEGREES
RECOVERED: 90 FT OF: MUD CUT WATER W/SCUM OF OIL (55% W; 45% M; 5% O)

RECOVERED: FT OF:
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REMARKS: CHLORIDES 30000 P.P.M.
GAS TO SURFACE 25 MINUTES IN FINAL FLOW PERIOD;
TO SMALL AMOUNT TO MEASURE

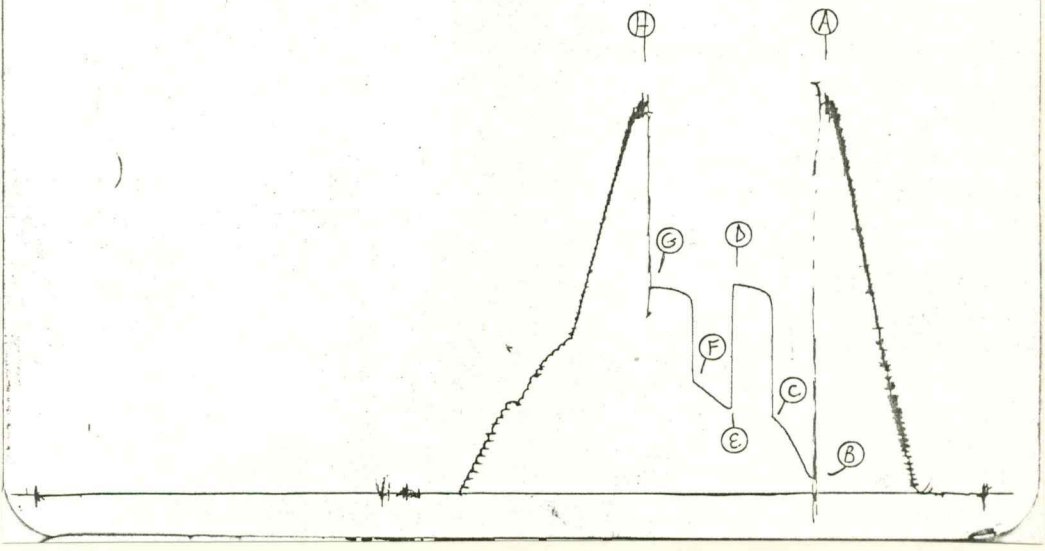
TIME SET PACKER(S): 4:00 PM TIME STARTED OFF BOTTOM: 6:00 PM
WELL TEMPERATURE: 0 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2240 PSI
INITIAL FLOW PERIOD MIN: 35 (B) 88 PSI TO (C) 441 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 1213 PSI
FINAL FLOW PERIOD MIN: 30 (E) 496 PSI TO (F) 648 PSI
FINAL CLOSED IN PERIOD MIN: 30 (G) 1200 PSI
FINAL HYDROSTATIC PRESSURE (H) 2231 PSI

15-103-413

TKT # 6572

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DST # 3

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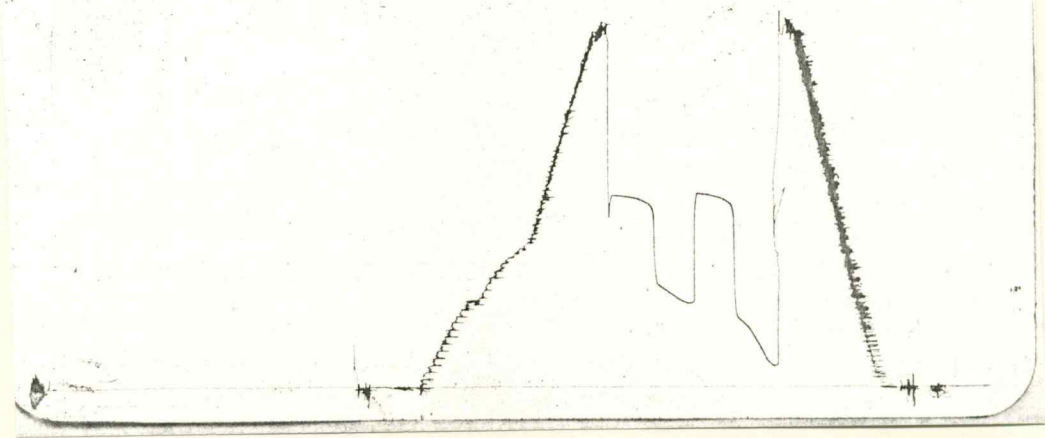


Inside Recorder

TKT # 6572

1565
DST # 3

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Outside Recorder