

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 7/18/83 TICKET #1411
CUSTOMER: RAINS & WMSON OIL CO. INC. LEASE: W & S BAR S RANCH
WELL: 1 TEST: 1 GEOLOGIST: ENGELBRECHT
ELEVATION (KB): 1829 FORMATION: LANSING
SECTION: 5 TOWNSHIP: 12S
RANGE: 14W COUNTY: RUSSELL STATE: KANSAS
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

INTERVAL TEST FROM: 3031 FT TO: 3059 FT TOTAL DEPTH: 3059 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3026 FT SIZE: 6 5/8 IN PACKER DEPTH: 3031 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

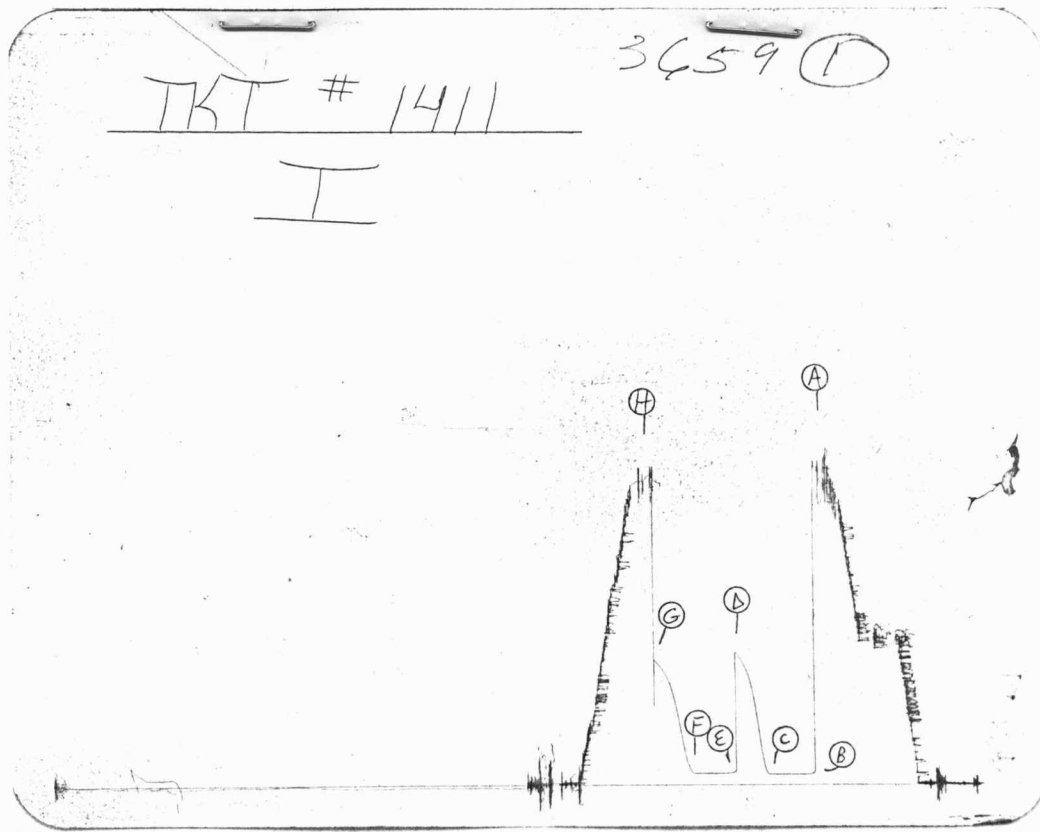
DRILLING CONTRACTOR: RAINS & WMSON
MUD TYPE: STARCH VISCOSITY: 41
WEIGHT: 9.6 WATER LOSS (CC): 13.4
CHLORIDES (P.P.M.): 60000
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 120 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2891 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 IN
ANCHOR LENGTH: 28 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 BLOW -
DIED IN 6 MINUTES.
FINAL FLOW PERIOD NO BLOW.

RECOVERED: 5 FT OF: MUD
RECOVERED: FT OF:
RECOVERED: FT OF:
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): 3:05 TIME STARTED OFF BOTTOM: 5:05
WELL TEMPERATURE: 107 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1630 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 56 PSI TO (C) 56 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 690 PSI
FINAL FLOW PERIOD MIN: 30 (E) 62 PSI TO (F) 62 PSI
FINAL CLOSED IN PERIOD MIN: 30 (G) 647 PSI
FINAL HYDROSTATIC PRESSURE (H) 1566 PSI



This is an actual photograph of recorder chart.

PRESSURE

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1653	1630	PSI
(B) First Initial Flow Pressure	71	56	PSI
(C) First Final Flow Pressure	71	56	PSI
(D) Initial Closed-in Pressure	699	690	PSI
(E) Second Initial Flow Pressure	71	62	PSI
(F) Second Final Flow Pressure	71	62	PSI
(G) Final Closed-in Pressure	659	647	PSI
(H) Final Hydrostatic Mud	1603	1566	PSI