

WESTERN TESTING COMPANY  
SUBSURFACE PRESSURE SURVEY

DATE: 4/13/83  
 CUSTOMER: RAINS & WILLIAMSON  
 WELL: 1 TEST: 1  
 ELEVATION (KB): 1734 FORMATION: LANSING  
 SECTION: 8 TOWNSHIP: 12S  
 RANGE: 13W COUNTY: RUSSELL STATE: KANSAS  
 GAUGE SN #3659 RANGE: 4000 CLOCK: 12

TICKET #1480

LEASE: "A" L.C. TRAPP  
 GEOLOGIST: CRAIG CAULK

INTERVAL TEST FROM: 2951 FT TO: 2977 FT TOTAL DEPTH: 2977 FT  
 DEPTH OF SELECTIVE ZONE: FT  
 PACKER DEPTH: 2946 FT SIZE: 6 5/8 IN PACKER DEPTH: 2951 FT SIZE: 6 5/8 IN  
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WILLIAMSON  
 MUD TYPE: STARCH VISCOSITY: 39  
 WEIGHT: 9.7 WATER LOSS (CC): 14.8  
 CHLORIDES (P.P.M.): 54000

JARS - MAKE: 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: 2810 FT I.D.: 3.8 IN  
 TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 IN  
 ANCHOR LENGTH: 26 FT SIZE: 5 1/2 IN  
 SURFACE CHOKE SIZE: 5/8 IN BOTTOM CHOKE SIZE: 5/8 IN  
 MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: INITIAL FLOW PERIOD VERY WEAK  
 BLOW. DIED IN 27 MINUTES.  
 FINAL FLOW PERIOD NO BLOW. FLUSHED TOOL.  
 GOT VERY WEAK BLOW. DIED IN 10 MINUTES.

RECOVERED: 65 FT OF: SLIGHTLY OIL & GAS CUT MUD.  
 RECOVERED: FT OF: 90% MUD; 2% WATER; 3% OIL; 5% GAS.  
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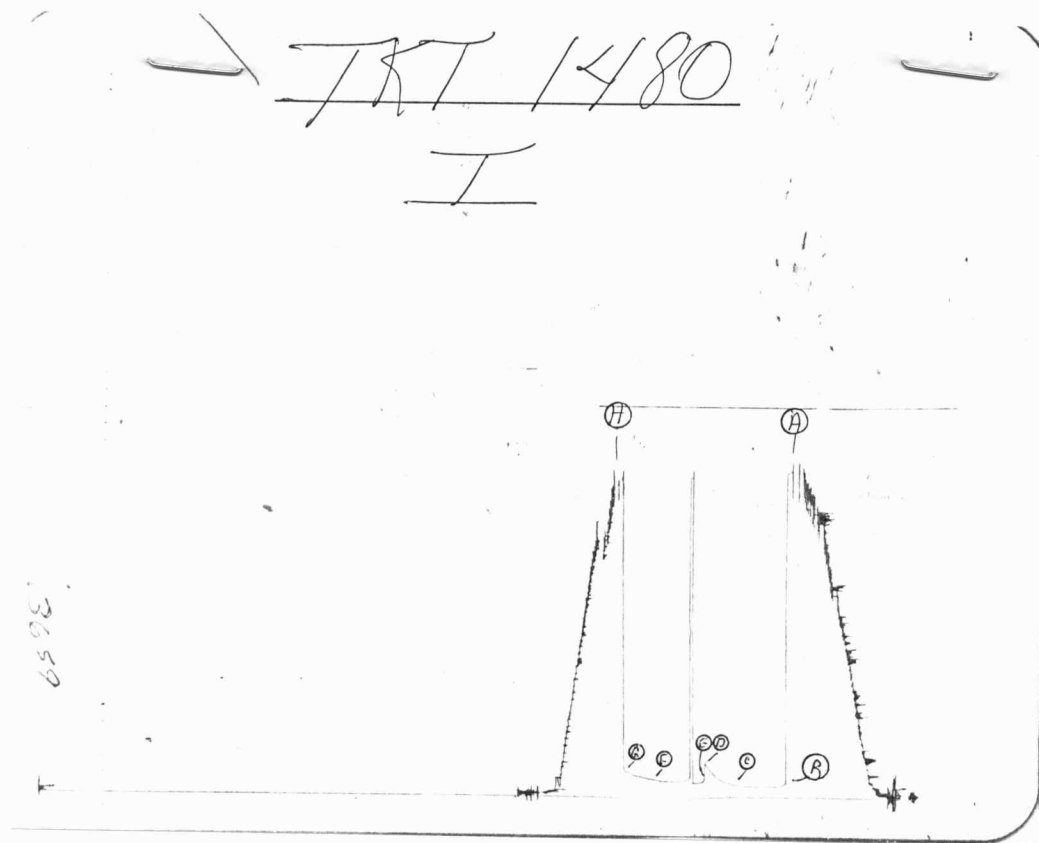
REMARKS:

TIME SET PACKER(S): 4:40 AM  
 WELL TEMPERATURE: 99 °F

TIME STARTED OFF BOTTOM: 6:40 AM

INITIAL HYDROSTATIC PRESSURE:		(A) 1658	PSI	
INITIAL FLOW PERIOD	MIN: 30	(B) 57	PSI TO (C) 59	PSI
INITIAL CLOSED IN PERIOD	MIN: 30	(D) 177	PSI	
FINAL FLOW PERIOD	MIN: 30	(E) 72	PSI TO (F) 80	PSI
FINAL CLOSED IN PERIOD	MIN: 27	(G) 131	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 1610	PSI	





This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	1653	1658	PSI
(B) First Initial Flow Pressure .....	51	57	PSI
(C) First Final Flow Pressure .....	51	59	PSI
(D) Initial Closed-in Pressure .....	173	177	PSI
(E) Second Initial Flow Pressure .....	71	72	PSI
(F) Second Final Flow Pressure .....	81	80	PSI
(G) Final Closed-in Pressure .....	132	131	PSI
(H) Final Hydrostatic Mud .....	1653	1610	PSI

WESTERN TESTING COMPANY  
SUBSURFACE PRESSURE SURVEY

DATE: 4/13/83  
CUSTOMER: RAINS & WILLIAMSON  
WELL: 1 TEST: 2  
ELEVATION (KB): 1734 FORMATION: LANSING  
SECTION: 8 TOWNSHIP: 12S  
RANGE: 13W COUNTY: RUSSELL STATE: KANSAS  
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

INTERVAL TEST FROM: 2984 FT TO: 2997 FT TOTAL DEPTH: 2997 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 2979 FT SIZE: 6 5/8 IN PAKER DEPTH: 2984 FT SIZE: 6 5/8 IN  
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WILLIAMSON  
MUD TYPE: STARCH VISCOSITY: 42  
WEIGHT: 10.0 WATER LOSS (CC): 10.6  
CHLORIDES (P.P.M.): 56000  
JARS - MAKE: 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: 2843 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 IN  
ANCHOR LENGTH: 13 FT SIZE: 5 1/2 IN  
SURFACE CHOKE SIZE: 5/8 IN BOTTOM CHOKE SIZE: 5/8 IN  
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

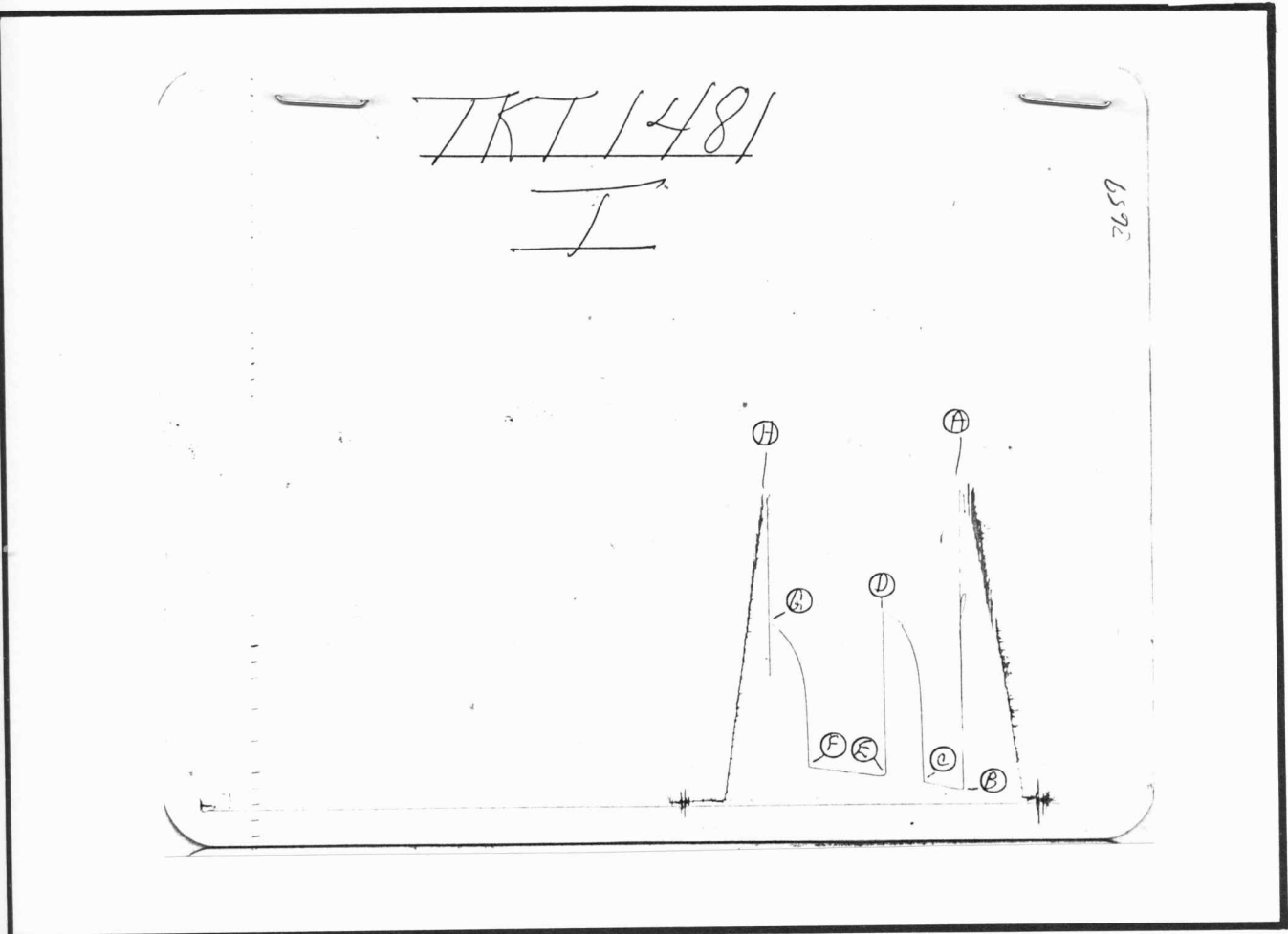
BLOW: INITIAL FLOW PERIOD WEAK BLOW BUILDING  
TO FAIR BLOW. 1/2" TO 5" BLOW.  
FINAL FLOW PERIOD FAIR BLOW BUILDING  
THROUGHOUT. 4" TO 7" BLOW.

RECOVERED: 360 FT OF: SALT WATER. LIGHT SCUM OF OIL.  
RECOVERED: FT OF: CHLORIDES 86000 PPM.  
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REMARKS:

TIME SET PACKER(S): 3:10 PM TIME STARTED OFF BOTTOM: 5:40 PM  
WELL TEMPERATURE: 102 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 1671 PSI  
INITIAL FLOW PERIOD MIN: 30 (B) 81 PSI TO (C) 122 PSI  
INITIAL CLOSED IN PERIOD MIN: 30 (D) 1047 PSI  
FINAL FLOW PERIOD MIN: 60 (E) 157 PSI TO (F) 210 PSI  
FINAL CLOSED IN PERIOD MIN: 30 (G) 991 PSI  
FINAL HYDROSTATIC PRESSURE (H) 1671 PSI





This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	1693	1671	PSI
(B) First Initial Flow Pressure .....	71	81	PSI
(C) First Final Flow Pressure .....	112	122	PSI
(D) Initial Closed-in Pressure .....	1037	1047	PSI
(E) Second Initial Flow Pressure .....	153	157	PSI
(F) Second Final Flow Pressure .....	204	210	PSI
(G) Final Closed-in Pressure .....	978	991	PSI
(H) Final Hydrostatic Mud .....	1663	1671	PSI

WESTERN TESTING COMPANY  
SUBSURFACE PRESSURE SURVEY

DATE: 4/14/83  
CUSTOMER: RAINS & WILLIAMSON  
WELL: 1 TEST: 3  
ELEVATION (KB): 1734 FORMATION: LANSING  
SECTION: 8 TOWNSHIP: 12S  
RANGE: 13W COUNTY: RUSSELL STATE: KANSAS  
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

TICKET #1482  
LEASE: "A" L.C. TRAPP  
GEOLOGIST: CRAIG CAULK

INTERVAL TEST FROM: 3038 FT TO: 3054 FT TOTAL DEPTH: 3054 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 3033 FT SIZE: 6 5/8 IN PACKER DEPTH: 3038 FT SIZE: 6 5/8 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WILLIAMSON  
MUD TYPE: STARCH VISCOSITY: 42  
WEIGHT: 10.0 WATER LOSS (CC): 10.6  
CHLORIDES (P.P.M.): 56000

JARS - MAKE: 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: 2897 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 IN  
ANCHOR LENGTH: 16 FT SIZE: 5 1/2 IN  
SURFACE CHOKE SIZE: 5/8 IN BOTTOM CHOKE SIZE: 5/8 IN  
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

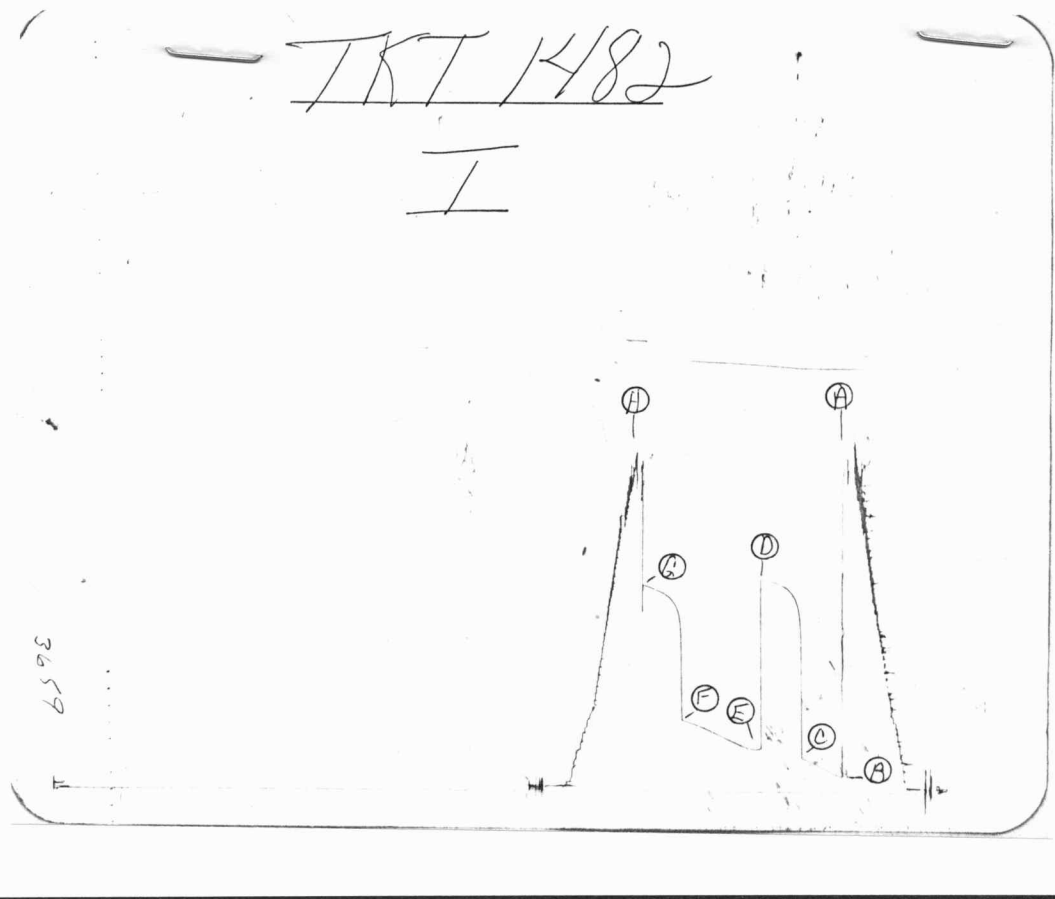
BLOW: INITIAL FLOW PERIOD WEAK BLOW BUILDING  
TO GOOD BLOW. 1/2" TO 8" BLOW.  
FINAL FLOW PERIOD GOOD BLOW  
THROUGHOUT. 8" BLOW.

RECOVERED: 690 FT OF: SALT WATER. CHLORIDES 89000 PPM.  
RECOVERED: FT OF:  
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RECOVERED: FT OF:  
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 5:40 AM TIME STARTED OFF BOTTOM: 8:10 AM  
WELL TEMPERATURE: 104 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 1704 PSI  
INITIAL FLOW PERIOD MIN: 30 (B) 76 PSI TO (C) 175 PSI  
INITIAL CLOSED IN PERIOD MIN: 30 (D) 1087 PSI  
FINAL FLOW PERIOD MIN: 55 (E) 221 PSI TO (F) 364 PSI  
FINAL CLOSED IN PERIOD MIN: 30 (G) 1053 PSI  
FINAL HYDROSTATIC PRESSURE (H) 1652 PSI





This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1703	1704	PSI
(B) First Initial Flow Pressure	71	76	PSI
(C) First Final Flow Pressure	163	175	PSI
(D) Initial Closed-in Pressure	1087	1087	PSI
(E) Second Initial Flow Pressure	214	221	PSI
(F) Second Final Flow Pressure	367	364	PSI
(G) Final Closed-in Pressure	1047	1053	PSI
(H) Final Hydrostatic Mud	1683	1652	PSI