

WESTERN TESTING COMPANY
SUBSURFACE PRESSURE SURVEY

DATE: 5/15/83
CUSTOMER: J A ALLISON
WELL: 1
ELEVATION (KB): 3227
SECTION: 18
RANGE: 35W
GAUGE SN #2604

TEST: 1

COUNTY: WICHITA
RANGE: 4150

TICKET #17937
LEASE: KESSLER
GEOLOGIST: S KREIDER
FORMATION: MARMATON
TOWNSHIP: 18S
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 4517 FT TO: 4571 FT TOTAL DEPTH: 4571 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4512 FT SIZE: 6 3/4 IN PACKER DEPTH: 4517 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: CHEYENNE DRLG
MUD TYPE: POLYPAC VISCOSITY: 39
WEIGHT: 9.3 WATER LOSS (CC): 12.8
CHLORIDES (P.P.M.): 16000

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH: 513 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3984 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 54 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

BLOW: WEAK BLOW - DEAD IN 15 MINUTES ON
INITIAL FLOW PERIOD.
NO BLOW FINAL FLOW PERIOD.

RECOVERED: 140 FT OF: SLIGHTLY OIL CUT MUD
RECOVERED: FT OF: 98% MUD; 2% OIL
RECOVERED: FT OF: CHLORIDES 18000 PPM
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: TIGHT HOLE

TIME SET PACKER(S): 11:50 AM

TIME STARTED OFF BOTTOM: 2:20 PM

WELL TEMPERATURE: 114 °F

INITIAL HYDROSTATIC PRESSURE:

INITIAL FLOW PERIOD MIN: 35

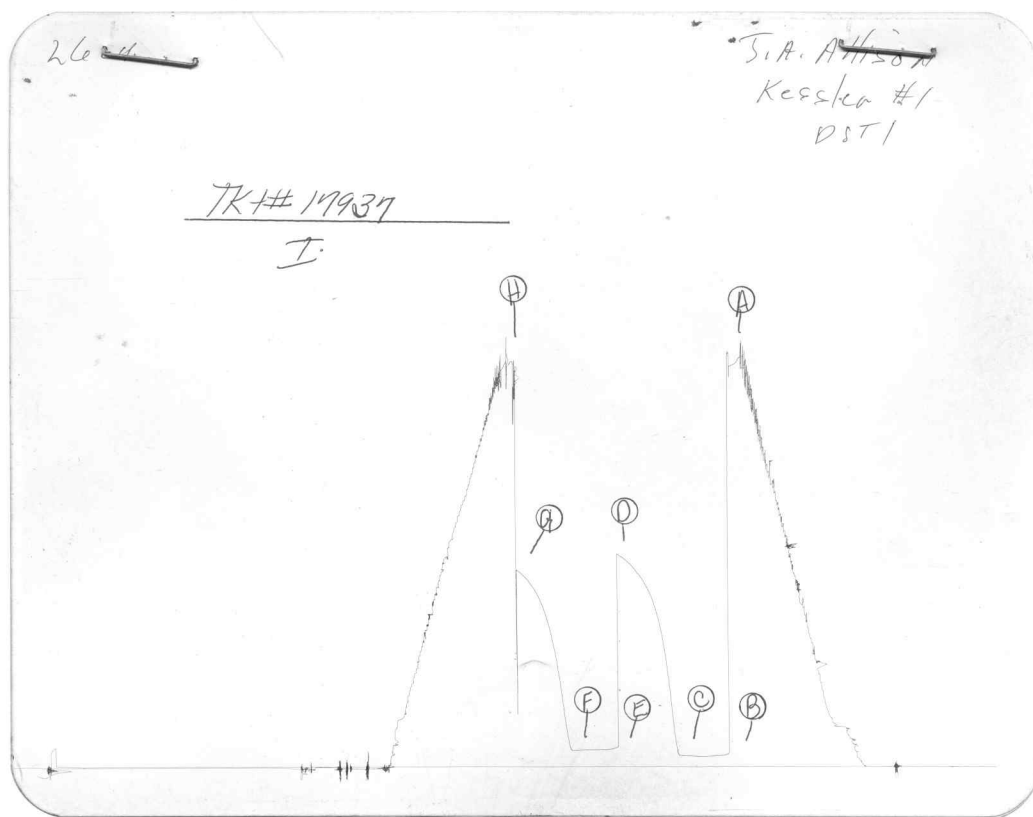
INITIAL CLOSED IN PERIOD MIN: 45

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 45

FINAL HYDROSTATIC PRESSURE

(A) 2198 PSI
(B) 58 PSI TO (C) 62 PSI
(D) 1167 PSI
(E) 92 PSI TO (F) 92 PSI
(G) 1083 PSI
(H) 2198 PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2179	2198	PSI
(B) First Initial Flow Pressure	42	58	PSI
(C) First Final Flow Pressure	42	62	PSI
(D) Initial Closed-in Pressure	1150	1167	PSI
(E) Second Initial Flow Pressure	63	92	PSI
(F) Second Final Flow Pressure	63	92	PSI
(G) Final Closed-in Pressure	1056	1083	PSI
(H) Final Hydrostatic Mud	2147	2198	PSI

WESTERN TESTING COMPANY
SUBSURFACE PRESSURE SURVEY

DATE: 5/16/83
CUSTOMER: J A ALLISON
WELL: 1
ELEVATION (KB): 3227
SECTION: 18
RANGE: 35W
GAUGE SN #2604

TEST: 2
COUNTY: WICHITA
RANGE: 4150

TICKET #17938
LEASE: KESSLER
GEOLOGIST: S KREIDER
FORMATION: JOHNSON
TOWNSHIP: 18S
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 4628 FT TO: 4651 FT TOTAL DEPTH: 4651 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4623 FT SIZE: 6 3/4 IN PACKER DEPTH: 4628 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: CHEYENNE DRLG
MUD TYPE: POLYPAC VISCOSITY: 40
WEIGHT: 9.2 WATER LOSS (CC): 12.0
CHLORIDES (P.P.M.): 15000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 480 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4128 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 23 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

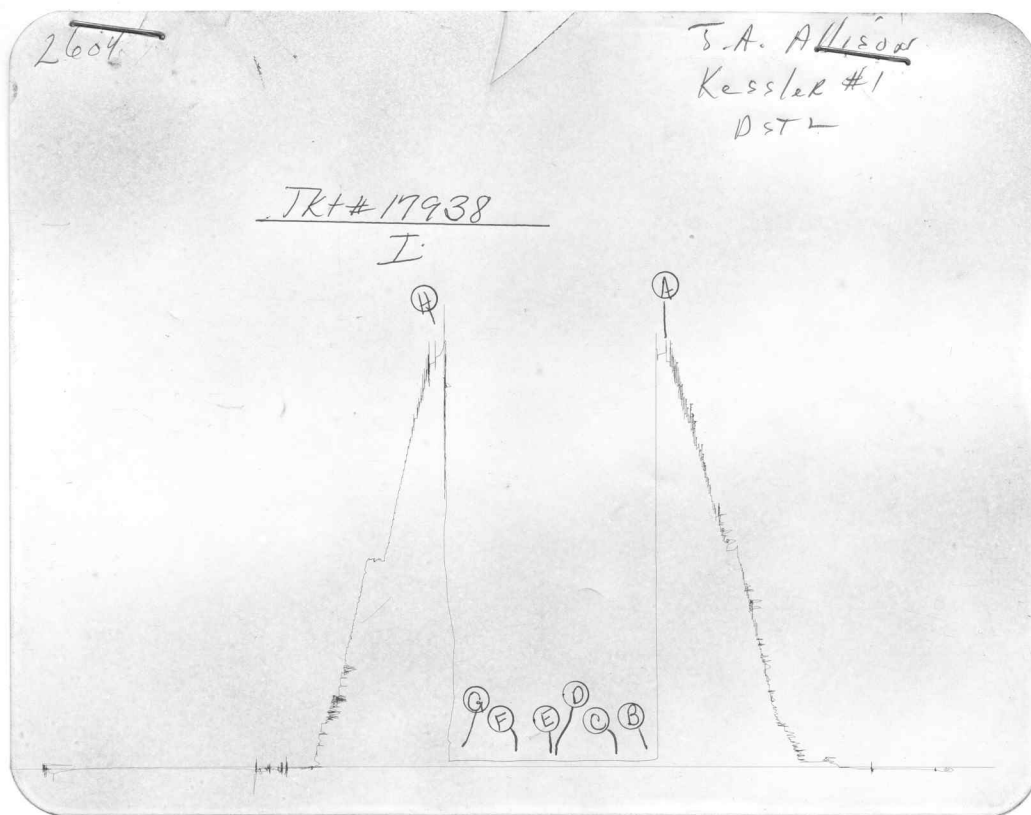
BLOW: WEAK BLOW-DEAD IN 15 MINUTES ON
INITIAL FLOW PERIOD.
NO BLOW ON FINAL FLOW PERIOD.

RECOVERED: 3	FT	OF: DRILLING 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:

REMARKS: TIGHT HOLE

TIME SET PACKER(S): 12:50 PM
WELL TEMPERATURE: 115 °F
INITIAL HYDROSTATIC PRESSURE:
INITIAL FLOW PERIOD MIN: 30
INITIAL CLOSED IN PERIOD MIN: 45
FINAL FLOW PERIOD MIN: 30
FINAL CLOSED IN PERIOD MIN: 48
FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM: 3:20 PM
(A) 2257 PSI
(B) 32 PSI TO (C) 36 PSI
(D) 37 PSI
(E) 32 PSI TO (F) 32 PSI
(G) 33 PSI
(H) 2245 PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2242	2257	PSI
(B) First Initial Flow Pressure	21	32	PSI
(C) First Final Flow Pressure	21	36	PSI
(D) Initial Closed-in Pressure	21	37	PSI
(E) Second Initial Flow Pressure	21	32	PSI
(F) Second Final Flow Pressure	21	32	PSI
(G) Final Closed-in Pressure	21	33	PSI
(H) Final Hydrostatic Mud	2221	2245	PSI

WESTERN TESTING COMPANY
SUBSURFACE PRESSURE SURVEY

DATE: 5/17/83
CUSTOMER: J A ALLISON
WELL: 1
ELEVATION (KB): 3227
SECTION: 18
RANGE: 35W
GAUGE SN #2604

TEST: 3
COUNTY: WICHITA
RANGE: 4150

TICKET #17939
LEASE: KESSLER
GEOLOGIST: ?
FORMATION: MORROW
TOWNSHIP: 18S
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 4805 FT TO: 4843 FT TOTAL DEPTH: 4843 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4800 FT SIZE: 6 3/4 IN PACKER DEPTH: 4805 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: CHEYENNE DRLG
MUD TYPE: POLY-PAC VISCOSITY: 42
WEIGHT: 9.2 WATER LOSS (CC): 11.6
CHLORIDES (P.P.M.): 14000

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 480 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4305 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 38 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

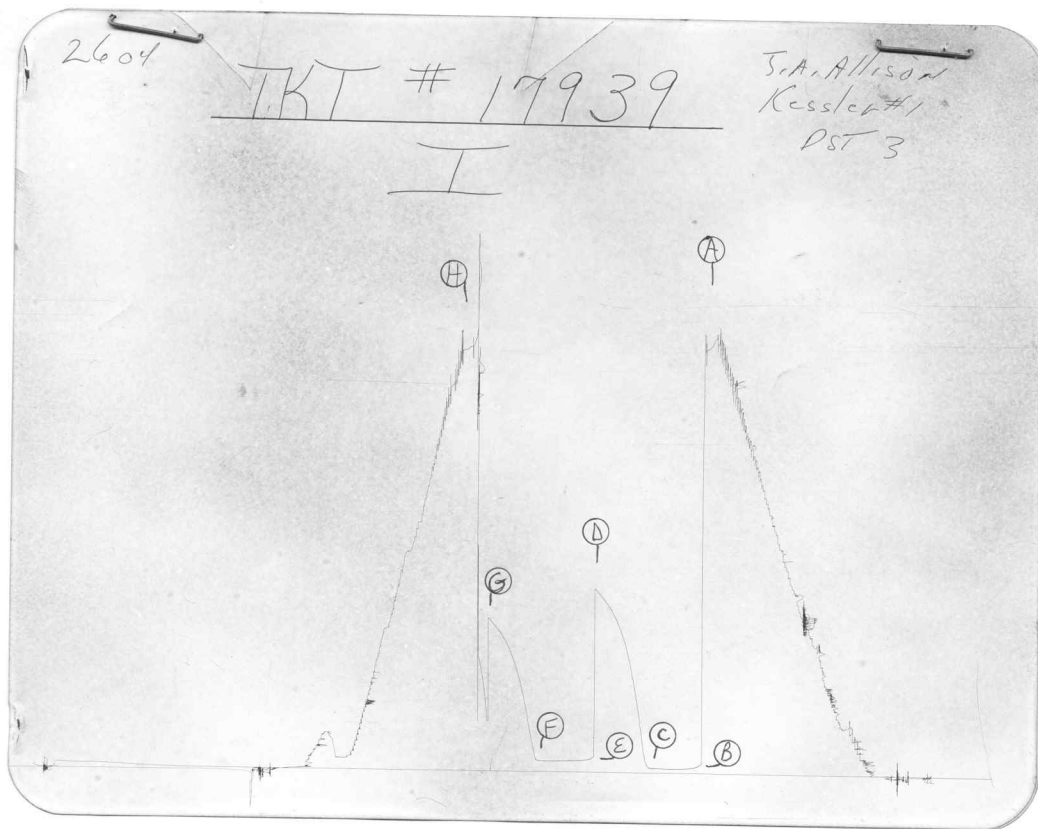
BLOW: INITIAL FLOW PERIOD WEAK BLOW.
DEAD IN 10 MINUTES.
FINAL FLOW PERIOD NO BLOW.

RECOVERED: 3	FT	OF: DRILLING 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:

REMARKS:

TIME SET PACKER(S): 9:40 PM
WELL TEMPERATURE: 117 °F
INITIAL HYDROSTATIC PRESSURE:
INITIAL FLOW PERIOD MIN: 35
INITIAL CLOSED IN PERIOD MIN: 45
FINAL FLOW PERIOD MIN: 35
FINAL CLOSED IN PERIOD MIN: 45
FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM: 12:10 AM
(A) 2321 PSI
(B) 25 PSI TO (C) 27 PSI
(D) 1010 PSI
(E) 60 PSI TO (F) 60 PSI
(G) 843 PSI
(H) 2306 PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2295	2321	PSI
(B) First Initial Flow Pressure	10	25	PSI
(C) First Final Flow Pressure	10	27	PSI
(D) Initial Closed-in Pressure	1004	1010	PSI
(E) Second Initial Flow Pressure	42	60	PSI
(F) Second Final Flow Pressure	42	60	PSI
(G) Final Closed-in Pressure	826	843	PSI
(H) Final Hydrostatic Mud	2274	2306	PSI

WESTERN TESTING COMPANY
SUBSURFACE PRESSURE SURVEY

DATE: 5/18/83
CUSTOMER: J A ALLISON
WELL: 1
ELEVATION (KB): 3227
SECTION: 18
RANGE: 35W
GAUGE SN #4331

TEST: 4

COUNTY: WICHITA
RANGE: 4150

TICKET #18578
LEASE: KESSLER
GEOLOGIST: ?
FORMATION: LOWER MARROW
TOWNSHIP: 18S
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 4884 FT TO: 4940 FT TOTAL DEPTH: 4940 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4879 FT SIZE: 6 3/4 IN PACKER DEPTH: 4884 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: CHEYENNE DRLG
MUD TYPE: POLY-PAC VISCOSITY: 44
WEIGHT: 9.2 WATER LOSS (CC): 12.8
CHLORIDES (P.P.M.): 14000

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 480 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4484 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 56 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

BLOW: WEAK INCREASING BLOW THROUGHOUT TEST.

RECOVERED: 310	FT	OF: SALT WATER. FEW SPECKS OF OIL IN TOP OF TOOL.
RECOVERED:	FT	OF: CHLORIDES 36000 PPM.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS: TIGHT HOLE.

TIME SET PACKER(S): 8:15 PM
WELL TEMPERATURE: 126 °F

TIME STARTED OFF BOTTOM: 12:15 AM

INITIAL HYDROSTATIC PRESSURE:	(A) 2372	PSI
INITIAL FLOW PERIOD MIN: 50	(B) 56	PSI TO (C) 100 PSI
INITIAL CLOSED IN PERIOD MIN: 45	(D) 1285	PSI
FINAL FLOW PERIOD MIN: 60	(E) 119	PSI TO (F) 163 PSI
FINAL CLOSED IN PERIOD MIN: 93	(G) 1287	PSI
FINAL HYDROSTATIC PRESSURE	(H) 2368	PSI

DATE: 5/18/83
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SECTION: 18
RANGE: 35W
GAUGE SN #4331

TICKET #18578
LEASE: KESSLER
GEOLOGIST: ?
LOWER MARROW
8S
STATE: KANSAS
CLOCK: 12

TEST: 4

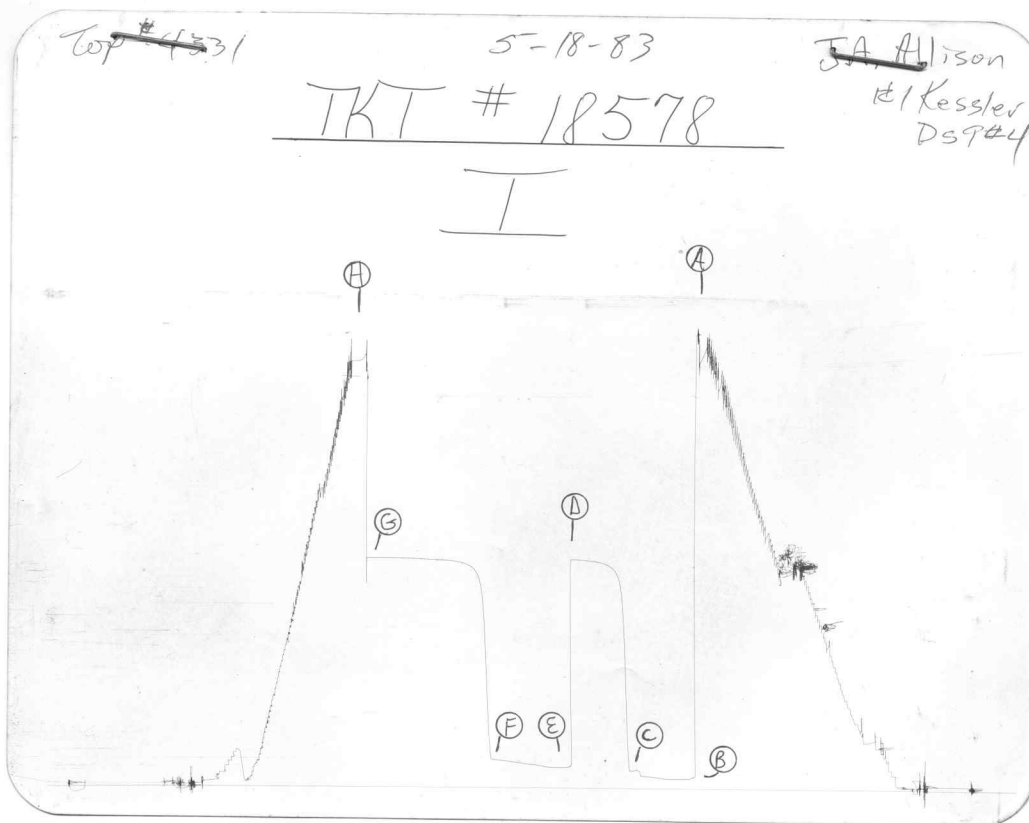
FORMATION: LOWER MARROW
TOWNSHIP: 18S

COUNTY: WICHITA
RANGE: 4150

(A)	INITIAL HYDROSTATIC PRESSURE:	2372	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	56	PSI
(C)	FIRST FINAL FLOW PRESSURE:	100	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	1285	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	119	PSI
(F)	SECOND FINAL FLOW PRESSURE:	163	PSI
(G)	FINAL CLOSED-IN PRESSURE:	1287	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	2368	PSI
WELL TEMPERATURE:		126	'F
OPEN TOOL: 8:15 PM			

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	45 MIN	50 MIN
INITIAL CLOSED-IN PRESSURE:	45 MIN	45 MIN
SECOND FLOW PRESSURE:	60 MIN	60 MIN
FINAL CLOSED-IN PRESSURE:	90 MIN	93 MIN

[illegible]



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2361	2372	PSI
(B) First Initial Flow Pressure	54	56	PSI
(C) First Final Flow Pressure	87	100	PSI
(D) Initial Closed-in Pressure	1285	1285	PSI
(E) Second Initial Flow Pressure	109	119	PSI
(F) Second Final Flow Pressure	152	163	PSI
(G) Final Closed-in Pressure	1285	1287	PSI
(H) Final Hydrostatic Mud	2361	2368	PSI