WESTERN TESTING COMPANY
SUBSURFACE PRESSURE SURVEY

DATE: 4/21/83 TICKET #16703
CUSTOMER: RAINS & WILLIAMSON LEASE: JANDA
WELL: 1 TEST: 1 GEOLOGIST: CRAIG CAULK
ELEVATION (KB): 1657 FORMATION: LANSING
SECTION: 28 TOWNSHIP: 14S
RANGE: 9W COUNTY: ELLSWORTH STATE: KANSAS
GAUGE SN #1560 RANGE: 4500 CLOCK: 12

INTERVAL TEST FROM: 2830 FT TO: 2846 FT TOTAL DEPTH: 2846 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2825 FT SIZE: 6 5/8 IN PACKER DEPTH: 2830 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WILLIAMSON
MUD TYPE: STARCH VISCOSITY: 41
WEIGHT: 9.9 WATER LOSS (CC): 10.4
CHLORIDES (P.P.M.): 56000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH:	240 FT	I.D.:	2.4	IN	
WEIGHT PIPE LENGTH:	FT	I.D.:		IN	
DRILL PIPE LENGTH:	2568 FT	I.D.:	3.8	IN	
TEST TOOL LENGTH:	22 FT	TOOL SIZE:	4 1/2	IN	
ANCHOR LENGTH:	16 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 3" BLOW THROUGHOUT.
FINAL FLOW PERIOD 3" DECREASED TO 1" BLOW.

RECOVERED: 180 FT OF: MUD. NO SHOW.
RECOVERED: FT OF:
RECOVERED: FT OF:
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RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 8:15 PM TIME STARTED OFF BOTTOM: 10:45 PM
WELL TEMPERATURE: 105 °F

INITIAL HYDROSTATIC PRESSURE:		(A) 1536	PSI	
INITIAL FLOW PERIOD	MIN: 30	(B) 72	PSI TO (C) 75	PSI
INITIAL CLOSED IN PERIOD	MIN: 33	(D) 946	PSI	
FINAL FLOW PERIOD	MIN: 60	(E) 94	PSI TO (F) 113	PSI
FINAL CLOSED IN PERIOD	MIN: 30	(G) 169	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 1536	PSI	

WESTERN TESTING COMPANY
PRESSURE DATA

DATE: 4/21/83 TICKET #16703
CUSTOMER: RAINS & WILLIAMSON LEASE: JANDA
WELL: 1 TEST: 1 GEOLOGIST: CRAIG CAULK
ELEVATION (KB): 1657 FORMATION: LANSING
SECTION: 28 TOWNSHIP: 14S
RANGE: 9W COUNTY: ELLSWORTH STATE: KANSAS
GAUGE SN #1560 RANGE: 4500 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	1536	PSI
(B) FIRST INITIAL FLOW PRESSURE:	72	PSI
(C) FIRST FINAL FLOW PRESSURE:	75	PSI
(D) INITIAL CLOSED-IN PRESSURE:	946	PSI
(E) SECOND INITIAL FLOW PRESSURE:	94	PSI
(F) SECOND FINAL FLOW PRESSURE:	113	PSI
(G) FINAL CLOSED-IN PRESSURE:	169	PSI
(H) FINAL HYDROSTATIC PRESSURE:	1536	PSI
WELL TEMPERATURE:	105	'F

OPEN TOOL: 8:15 PM

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	30	MIN
INITIAL CLOSED-IN PRESSURE:	30	MIN	33	MIN
SECOND FLOW PRESSURE:	60	MIN	60	MIN
FINAL CLOSED-IN PRESSURE:	30	MIN	30	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	72	0	75	0	94	0	113
2	5	72	3	484	5	94	3	124
3	10	72	6	773	10	94	6	126
4	15	73	9	836	15	95	9	133
5	20	74	12	867	20	97	12	138
6	25	75	15	890	25	99	15	147
7	30	75	18	908	30	101	18	153
8			21	921	35	103	21	161
9			24	931	40	106	24	169
10			27	938	45	109	27	169
11			30	944	50	111	30	169
12			33	946	55	112		
13					60	113		
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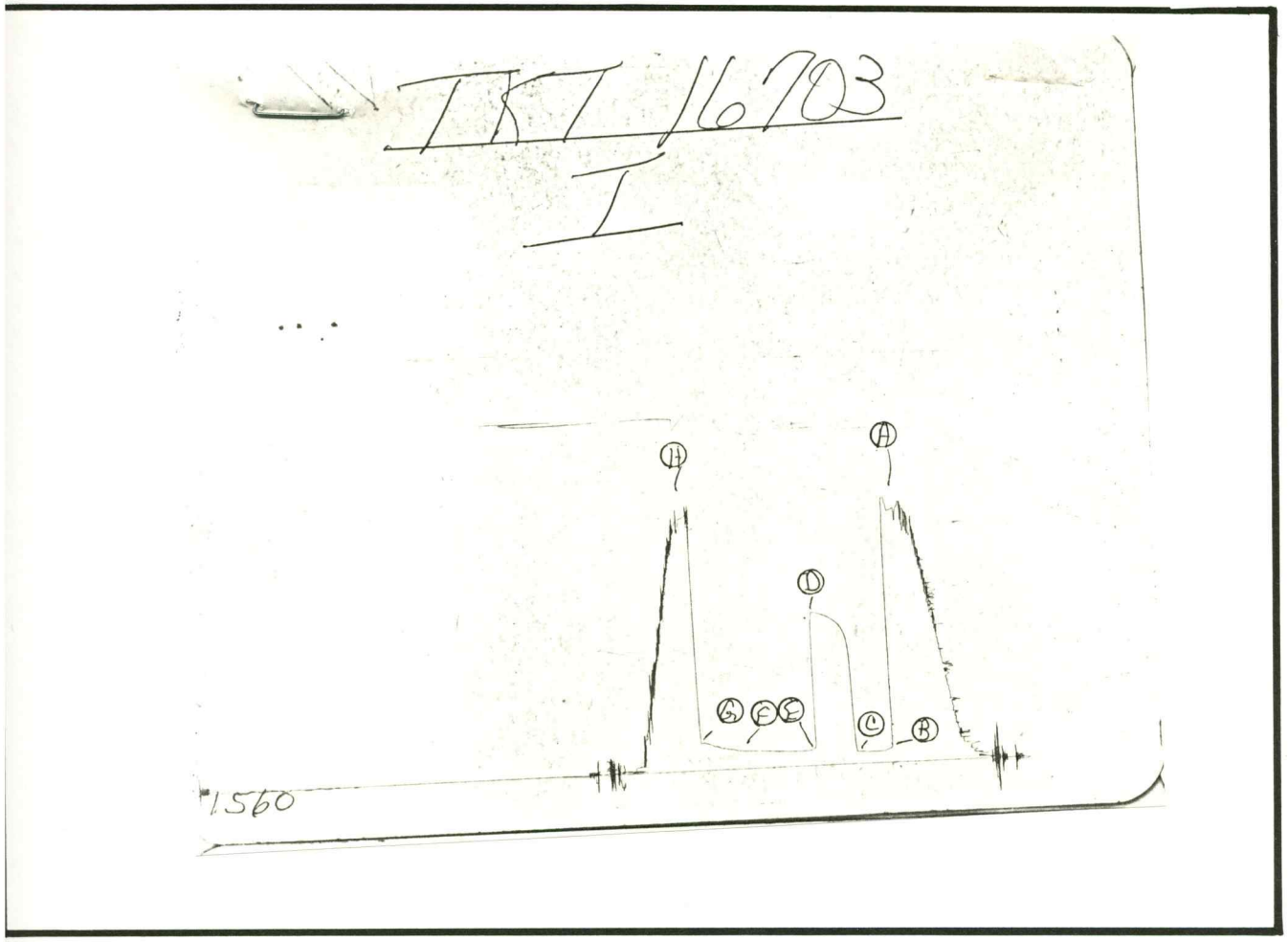
COMPANY RAINS & WILLIAMSON OIL CO., INC. LEASE AND WELL NO. #1 JANDA SEC. 28 TWP. 14S RGE. 9W TEST NO. 1 DATE 4/21/83



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1533	1536	PSI
(B)	First Initial Flow Pressure	57	72	PSI
(C)	First Final Flow Pressure	57	75	PSI
(D)	Initial Closed-in Pressure	936	946	PSI
(E)	Second Initial Flow Pressure	81	94	PSI
(F)	Second Final Flow Pressure	99	113	PSI
(G)	Final Closed-in Pressure	162	169	PSI
(H)	Final Hydrostatic Mud	1533	1536	PSI