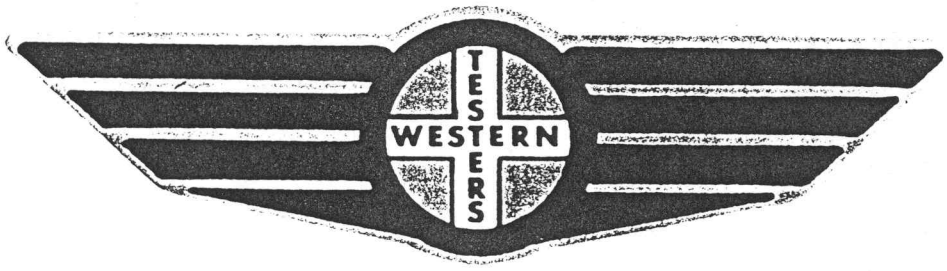
COMPANY DAVID W CLOTHIER LEASE & WELL NO. HOWARD TRUST #1-26 SEC. 26 TWP. 9S RGE. 32W TEST NO. 2 DATE 4/28/90

FORMATION TEST REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 4-28-90			TICKET	: 16181
CUSTOMER	: DAVID W. CLOTHIER			LEASE	: HOWARD TRUST
WELL	: #1-26 TEST: 2			GEOLOGIST	: DAVID CLOTHIER
ELEVATION	: 3043 GL			FORMATION	: K & L
SECTION	: 26			TOWNSHIP	: 9S
RANGE	: 32W	COUNTY :	THOMAS	STATE	: KANSAS
GAUGE SN#	: 4376	RANGE :	4000	CLOCK	: 12

INTERVAL FROM	: 4242	TO	: 4276	TOTAL DEPTH	: 4276
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 4237	SIZE	: 6.75		
PACKER DEPTH	: 4242	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: MURFIN RIG #2		
MUD TYPE	: CHEMICAL	VISCOSITY	: 53
WEIGHT	: 9.1	WATER LOSS (CC)	: 8.8
CHLORIDES (PPM)	: 1000		
JARS-MAKE	:	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 532	FT	I.D. inch	: 2.20	
WEIGHT PIPE LENGTH	: 257	FT	I.D. inch	: 3.20	
DRILL PIPE LENGTH	: 3433	FT	I.D. inch	: 3.80	
TEST TOOL LENGTH	: 20	FT	TOOL SIZE	: 5.50	
ANCHOR LENGTH	: 34	FT	ANCHOR SIZE	: 5.50	
SURFACE CHOKE SIZE	: .75	IN	BOTTOM CHOKE SIZE	: .75	
MAIN HOLE SIZE	: 7.875	IN	TOOL JOINT SIZE	: 4.5XH	

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK BLOW-BUILDING
BLOW COMMENT #2 : FROM SURFACE TO 2.25 IN. IN 30 MINUTES.
BLOW COMMENT #3 : FINAL FLOW PERIOD WEAK BLOW-BUILDING TO
BLOW COMMENT #4 : 3.5 IN. IN 60 MINUTES.

RECOVERED : 130 FT OF: OIL-CUT MUD
RECOVERED : 0 FT OF: 8% OIL 92% MUD
RECOVERED : 20 FT OF: CLEAN OIL
RECOVERED : 0 FT OF: SPECIFIC GRAVITY 41 API @ 60 DEG.
RECOVERED : 0 FT OF: CHLORIDES 1000 P.P.M.

Total Barrels Fluid = 0.71
Total Fluid Prod Rate = 11.28 BFPD
Indicated Oil Rate = 2.29 BOPD
Indicated Wtr Rate = 0.90 BWPD
Corrected Oil Rate = 10.17 BOPD
Corrected Wtr Rate = 4.01 BWPD

REMARK 1 :
REMARK 2 : 20 FT. GAS ABOVE FLUID
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 10:15 A.M. TIME STARTED OFF BOTTOM : 1:30 P.M.
WELL TEMPERATURE : 123

INITIAL HYDROSTATIC PRESSURE			(A)	2083	
INITIAL FLOW PERIOD	MIN:	30	(B)	63	PSI TO (C) : 75
INITIAL CLOSED IN PERIOD	MIN:	45	(D)	952	
FINAL FLOW PERIOD	MIN:	60	(E)	89	PSI TO (F) : 111
FINAL CLOSED IN PERIOD	MIN:	60	(G)	873	
FINAL HYDROSTATIC PRESSURE			(H)	2058	

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY	: DAVID W. CLOTHIER
RIG	: THOMAS-KANSAS
FIELD	: HOWARD TRUST
WELL	: #1-26
DATE	: 4-28-90
GAUGE NO	: 4376

OPERATIONAL COMMENTS

20 FT. GAS ABOVE FLUID

COMPANY : DAVID W. CLOTHIER
WELL : #1-26
GAUGE # : 4376
DATE : 28/ 4/90

FIELD : HOWARD TRUST
JOB # : 16181
DEPTH : 4276
TEST :

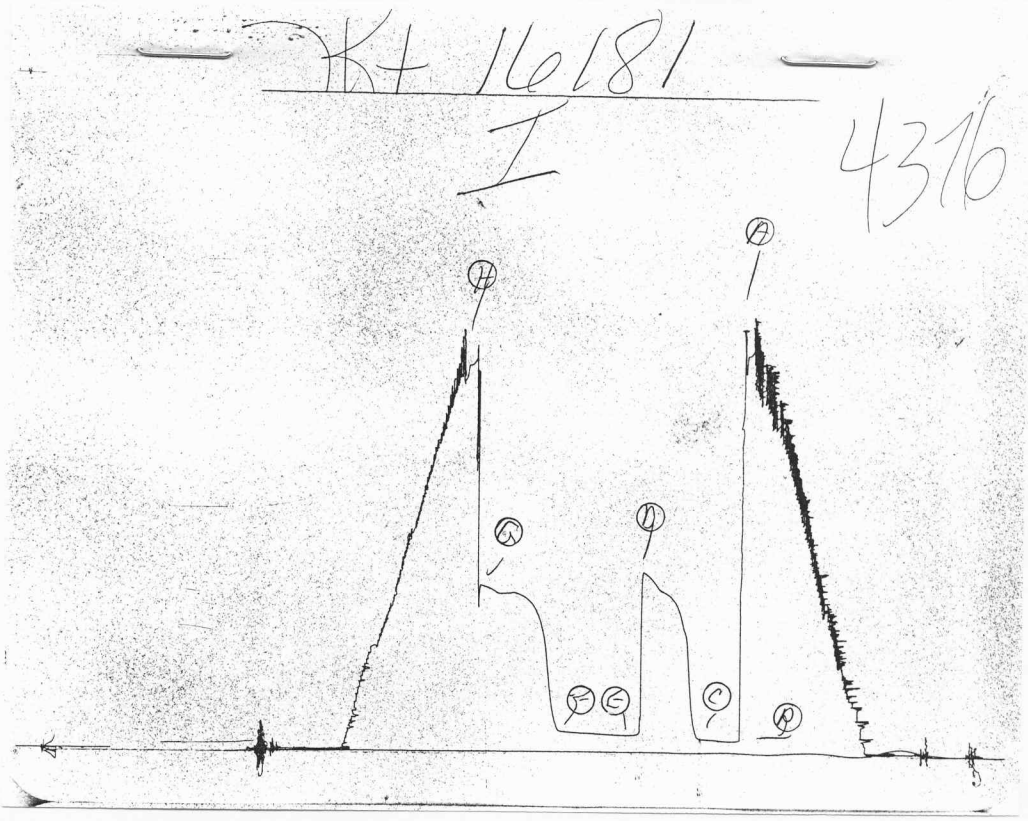
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
	INITIAL FLOW PERIOD				
2	10:15: 0	0.000	63.000	123.00	0.000
3	10:19:59	0.083	64.000	123.00	1.000
4	10:25: 0	0.167	64.000	123.00	0.000
5	10:30: 0	0.250	66.000	123.00	2.000
6	10:34:59	0.333	71.000	123.00	5.000
7	10:40: 0	0.417	73.000	123.00	2.000
8	10:45: 0	0.500	75.000	123.00	2.000
	INITIAL SHUT-IN PERIOD				
9	10:48: 0	0.550	106.000	123.00	31.000
10	10:51: 0	0.600	208.000	123.00	102.000
11	10:54: 0	0.650	496.000	123.00	288.000
12	10:57: 0	0.700	649.000	123.00	153.000
13	11: 0: 0	0.750	730.000	123.00	81.000
14	11: 3: 0	0.800	783.000	123.00	53.000
15	11: 6: 0	0.850	810.000	123.00	27.000
16	11: 9: 0	0.900	829.000	123.00	19.000
17	11:12: 0	0.950	841.000	123.00	12.000
18	11:15: 0	1.000	853.000	123.00	12.000
19	11:18: 0	1.050	881.000	123.00	28.000
20	11:21: 0	1.100	909.000	123.00	28.000
21	11:24: 0	1.150	929.000	123.00	20.000
22	11:27: 0	1.200	942.000	123.00	13.000
23	11:30: 0	1.250	952.000	123.00	10.000
	FINAL FLOW PERIOD				
24	11:31: 0	1.267	89.000	123.00	-863.000
25	11:34:59	1.333	94.000	123.00	5.000
26	11:40: 0	1.417	94.000	123.00	0.000
27	11:45: 0	1.500	94.000	123.00	0.000
28	11:49:59	1.583	95.000	123.00	1.000
29	11:55: 0	1.667	95.000	123.00	0.000
30	12: 0: 0	1.750	96.000	123.00	1.000
31	12: 4:59	1.833	98.000	123.00	2.000
32	12:10: 0	1.917	102.000	123.00	4.000
33	12:15: 0	2.000	104.000	123.00	2.000
34	12:19:59	2.083	106.000	123.00	2.000
35	12:25: 0	2.167	108.000	123.00	2.000
36	12:30: 0	2.250	111.000	123.00	3.000
	FINAL SHUT-IN PERIOD				
37	12:33: 0	2.300	137.000	123.00	26.000
38	12:36: 0	2.350	214.000	123.00	77.000
39	12:39: 0	2.400	370.000	123.00	156.000
40	12:42: 0	2.450	591.000	123.00	221.000
41	12:45: 0	2.500	683.000	123.00	92.000
42	12:48: 0	2.550	736.000	123.00	53.000
43	12:51: 0	2.600	775.000	123.00	39.000
44	12:54: 0	2.650	794.000	123.00	19.000
45	12:57: 0	2.700	813.000	123.00	19.000
46	13: 0: 0	2.750	825.000	123.00	12.000
47	13: 3: 0	2.800	833.000	123.00	8.000
48	13: 6: 0	2.850	833.000	123.00	0.000

COMPANY : DAVID W. CLOTHIER
WELL : #1-26
GAUGE # : 4376
DATE : 28/ 4/90

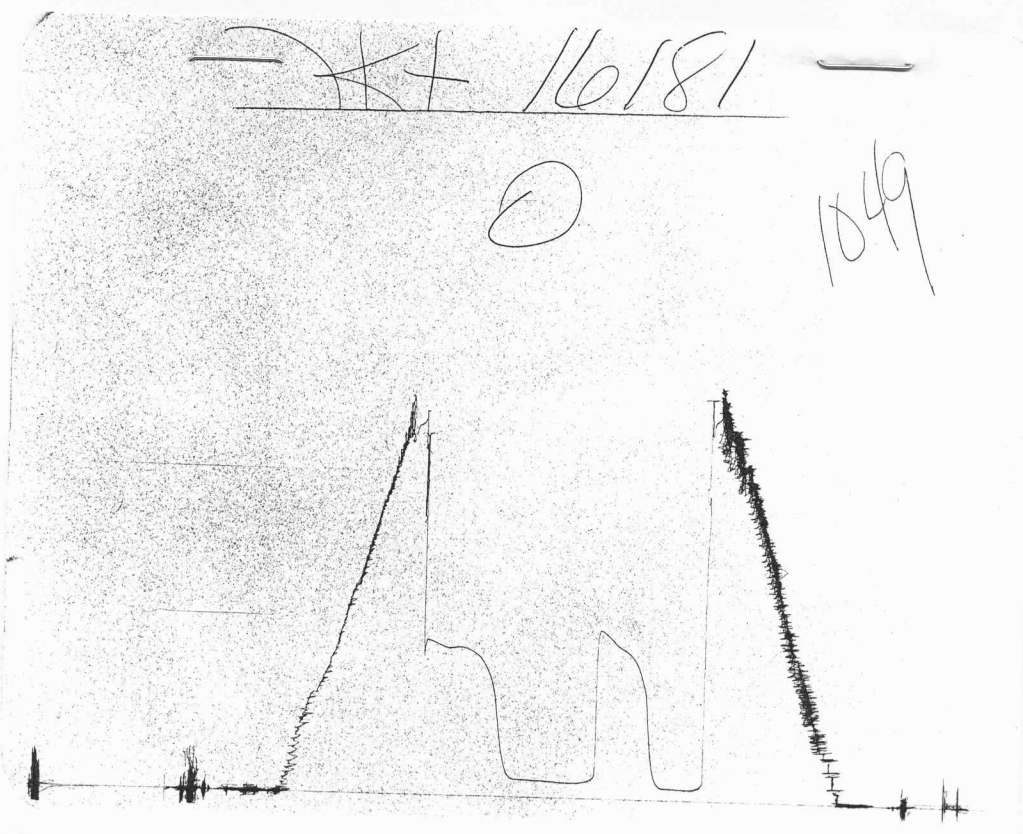
FIELD : HOWARD TRUST
JOB # : 16181
DEPTH : 4276
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	13: 9: 0	2.900	833.000	123.00	0.000
50	13:12: 0	2.950	833.000	123.00	0.000
51	13:15: 0	3.000	833.000	123.00	0.000
52	13:18: 0	3.050	837.000	123.00	4.000
53	13:21: 0	3.100	851.000	123.00	14.000
54	13:24: 0	3.150	861.000	123.00	10.000
55	13:27: 0	3.200	869.000	123.00	8.000
56	13:30: 0	3.250	873.000	123.00	4.000

WESTERN TESTING CO. INC.



Inside Recorder



Outside Recorder