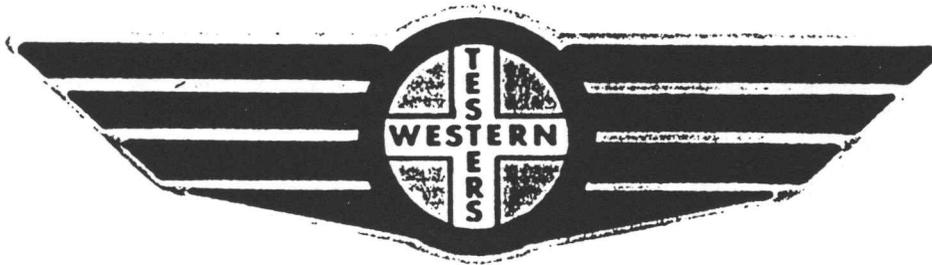


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 12-22-87 TICKET : 11589
CUSTOMER : ASSOCIATED PETROLEUM CONSULTANTS INC.
WELL : #A-1 TEST: 1 LEASE : CLARY
ELEVATION : NA GEOLOGIST : P. CARAGIANIS
SECTION : 14 FORMATION : MISSISSIPPI
RANGE : 1E COUNTY : SUMNER TOWNSHIP : 34S
GAUGE SN# : 4376 RANGE : 4000 STATE : KANSS
CLOCK : 12

INTERVAL FROM : 3735 TO : 3760 TOTAL DEPTH : 3760

DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3730 SIZE : 6.63
PACKER DEPTH : 3735 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : WHITE & ELLIS RIG #4
MUD TYPE : CHEMICAL VISCOSITY : 44
WEIGHT : 9.3 WATER LOSS (CC) : 10.4
CHLORIDES (PPM) : 2400
JARS-MAKE : - SERIAL NUMBER : -
DID WELL FLOW ? : NO REVERSED OUT ? : YES

DRILL COLLAR LENGTH : 246 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 280 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3468 FT I.D. inch : 3.80
TEST TOOL LENGTH : 21 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 25 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 XH

BLOW COMMENT #1 : STRONG BLOW OFF BOTTOM OF BUCKET THROUGHOUT TEST.
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 3047 FT OF: SALT WATER

CHLORIDES: 55000 PPM

Total Barrels Fluid = 3.67
Total Fluid Prod Rate = 58.76 BFPD
Indicated Wtr Rate = 58.76 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 6:50 AM

TIME STARTED OFF BOTTOM : 9:50 AM

WELL TEMPERATURE : 128

INITIAL HYDROSTATIC PRESSURE

(A) 1938

INITIAL FLOW PERIOD MIN: 30

(B) 343 PSI TO (C) : 933

INITIAL CLOSED IN PERIOD MIN: 30

(D) 1297

FINAL FLOW PERIOD MIN: 60

(E) 992 PSI TO (F) : 1286

FINAL CLOSED IN PERIOD MIN: 60

(G) 1306

FINAL HYDROSTATIC PRESSURE

(H) 1891

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : ASSOCIATED PETROLEUM CONSULTANTS INC.
RIG : SUMNER-KANSS
FIELD : CLARY
WELL : #A-1
DATE : 12-22-87
GAUGE NO : 4376

OPERATIONAL COMMENTS

COMPANY : ASSOCIATED PETROLEUM CONSULTANTS INC.
 FIELD : CLARY
 WELL : #A-1
 GAUGE # : 4376
 DATE : 22/12/87
 JOB # : 11589
 DEPTH : 3760
 TEST :

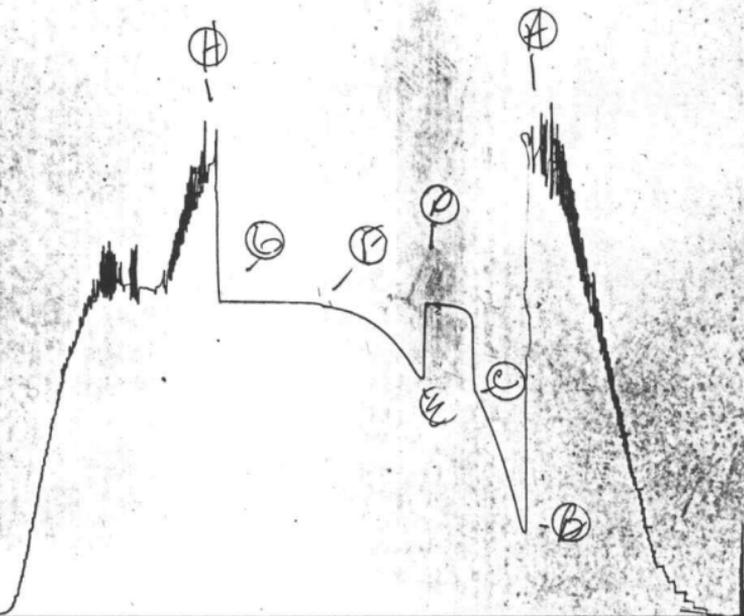
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P $P_i - P_{(i-1)}$
1	6:50:0	0.000	343.000	128.00	0.000
2	6:54:59	0.083	425.000	128.00	82.000
3	7:0:0	0.167	547.000	128.00	122.000
4	7:5:0	0.250	662.000	128.00	115.000
5	7:9:59	0.333	769.000	128.00	107.000
6	7:15:0	0.417	852.000	128.00	83.000
7	7:20:0	0.500	933.000	128.00	81.000
8	7:23:0	0.550	1242.000	128.00	309.000
9	7:26:0	0.600	1267.000	128.00	25.000
10	7:29:0	0.650	1275.000	128.00	8.000
11	7:32:0	0.700	1283.000	128.00	8.000
12	7:35:0	0.750	1289.000	128.00	6.000
13	7:38:0	0.800	1291.000	128.00	2.000
14	7:41:0	0.850	1293.000	128.00	2.000
15	7:44:0	0.900	1295.000	128.00	2.000
16	7:47:0	0.950	1296.000	128.00	1.000
17	4:57:0	22.117	1297.000	128.00	1.000
18	4:58:0	22.133	992.000	128.00	-305.000
19	5:1:59	22.200	1021.000	128.00	29.000
20	5:7:0	22.283	1080.000	128.00	59.000
21	5:12:0	22.367	1125.000	128.00	45.000
22	5:16:59	22.450	1162.000	128.00	37.000
23	5:22:0	22.533	1191.000	128.00	29.000
24	5:27:0	22.617	1219.000	128.00	28.000
25	5:31:59	22.700	1240.000	128.00	21.000
26	5:37:0	22.783	1255.000	128.00	15.000
27	5:42:0	22.867	1267.000	128.00	12.000
28	5:46:59	22.950	1276.000	128.00	9.000
29	5:52:0	23.033	1284.000	128.00	8.000
30	5:57:0	23.117	1286.000	128.00	2.000
31	6:0:0	23.167	1296.000	128.00	10.000
32	6:3:0	23.217	1299.000	128.00	3.000
33	6:6:0	23.267	1301.000	128.00	2.000
34	6:9:0	23.317	1302.000	128.00	1.000
35	6:12:0	23.367	1303.000	128.00	1.000
36	6:15:0	23.417	1304.000	128.00	1.000
37	6:18:0	23.467	1305.000	128.00	1.000
38	6:21:0	23.517	1306.000	128.00	1.000
39	6:24:0	23.567	1306.000	128.00	0.000
40	6:27:0	23.617	1306.000	128.00	0.000
41	6:30:0	23.667	1306.000	128.00	0.000
42	6:33:0	23.717	1306.000	128.00	0.000
43	6:36:0	23.767	1306.000	128.00	0.000
44	6:39:0	23.817	1306.000	128.00	0.000
45	6:42:0	23.867	1306.000	128.00	0.000
46	6:45:0	23.917	1306.000	128.00	0.000
47	6:48:0	23.967	1306.000	128.00	0.000
48	6:51:0	24.017	1306.000	128.00	0.000
49	6:54:0	24.067	1306.000	128.00	0.000
50	6:57:0	24.117	1306.000	128.00	0.000

TKT: 11589 DST#1

Rec 4376

TKT # 11589

I



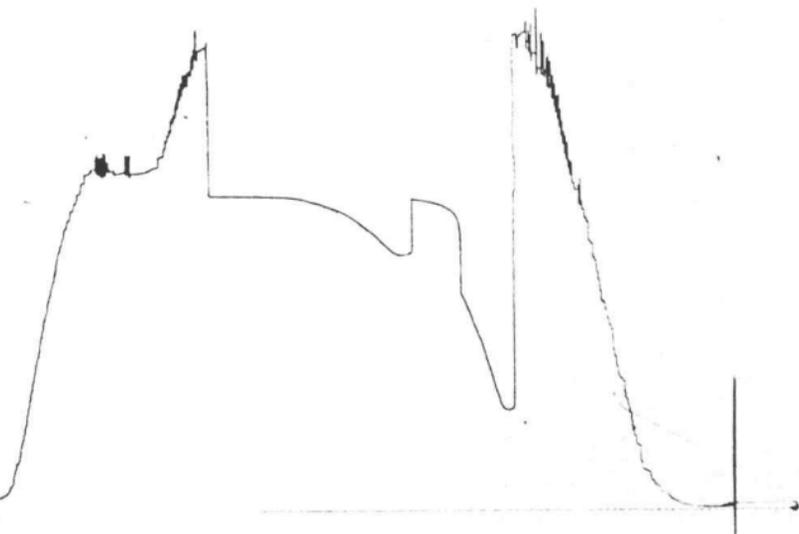
TKT 11589

JKT # 11589

0

DST # 1

Rec 13548



TKT 11589

STRADLE#1

Rec 1352

TKT # 11589

Below Straddle

