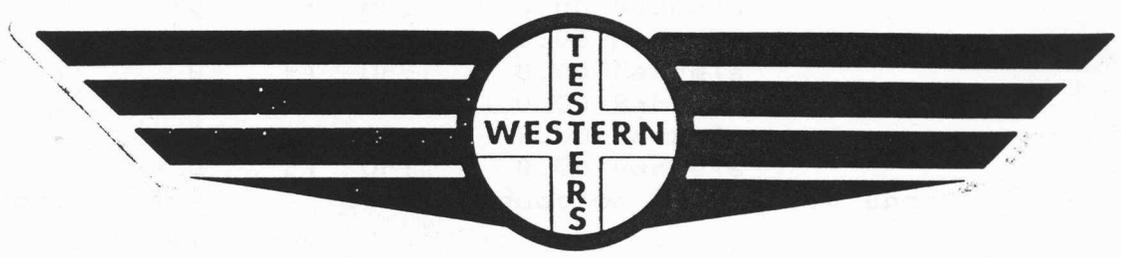


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY PAN WESTERN PETROLEUM, INC. LEASE & WELL NO. #1 YEAROUT SEC. 2 TWP. 35S RGE. 1W TEST NO. 1 DATE 2/21/86

SUBSURFACE PRESSURE SURVEY

DATE : 2-21-86 TICKET : 8859
 CUSTOMER : PAN WESTERN PETROLEUM INC. LEASE : YEAROUT
 WELL : 1 TEST: 1 GEOLOGIST : ARD
 ELEVATION : 1088 FORMATION : MISSISSIPPI
 SECTION : 2 TOWNSHIP : 35S
 RANGE : 1W COUNTY : SUMNER STATE : KANSAS
 GAUGE SN# : 3354 RANGE : 4200 CLOCK : 12

INTERVAL FROM : 3925 TO : 3948 TOTAL DEPTH : 3948
 DEPTH OF SELECTIVE ZONE :
 PACKER DEPTH : 3920 SIZE : 6.75
 PACKER DEPTH : 3925 SIZE : 6.75
 PACKER DEPTH : SIZE :
 PACKER DEPTH : SIZE :

DRILLING CON. : RED TIGER DRLG
 MUD TYPE : CHEMICAL VISCOSITY : 41
 WEIGHT : 9.4 WATER LOSS (CC) : 12.6
 CHLORIDES (PPM) : 5000
 JARS-MAKE : SERIAL NUMBER :
 DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
 WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
 DRILL PIPE LENGTH : 3905 FT I.D. inch : 3.80
 TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
 ANCHOR LENGTH : 23 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 : WEAK BLOW TO A FAIR BLOW THROUGHOUT TEST.
 BLOW COMMENT #2 :
 BLOW COMMENT #3 :
 BLOW COMMENT #4 :

RECOVERED : 302 FT OF: MUDDY WATER. 4.24 Barrels
 RECOVERED : 0 FT OF: (WITH FEW OIL SPECKS). 0.00 Barrels
 RECOVERED : 0 FT OF: CHLORIDES 114000 PPM. 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 Total Barrels = 4.2 Total Production = 50.8 Bpd

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

SET PACKER(S) : 8:00 PM TIME STARTED OFF BOTTOM : 12:00 AM
 WELL TEMPERATURE : 126
 INITIAL HYDROSTATIC PRESSURE (A) 2074
 INITIAL FLOW PERIOD MIN: 60 (B) 68 PSI TO (C) : 121
 INITIAL CLOSED IN PERIOD MIN: 60 (D) 1561
 FINAL FLOW PERIOD MIN: 60 (E) 141 PSI TO (F) : 188
 FINAL CLOSED IN PERIOD MIN: 63 (G) 1521
 FINAL HYDROSTATIC PRESSURE (H) 1939

Pressure Transient Report

DATA FILE.....
COMPANY.....PAN WESTERN PETROLEUM INC.
DATE OF TEST.....2-21-86
FIELD NAME.....YEAROUT
WELL NAME.....1
LOCATION.....SUMNER-KANSAS
JOB NUMBER.....8859
GAUGE NUMBER.....3354
GAUGE DEPTH.....3948

COMMENTS

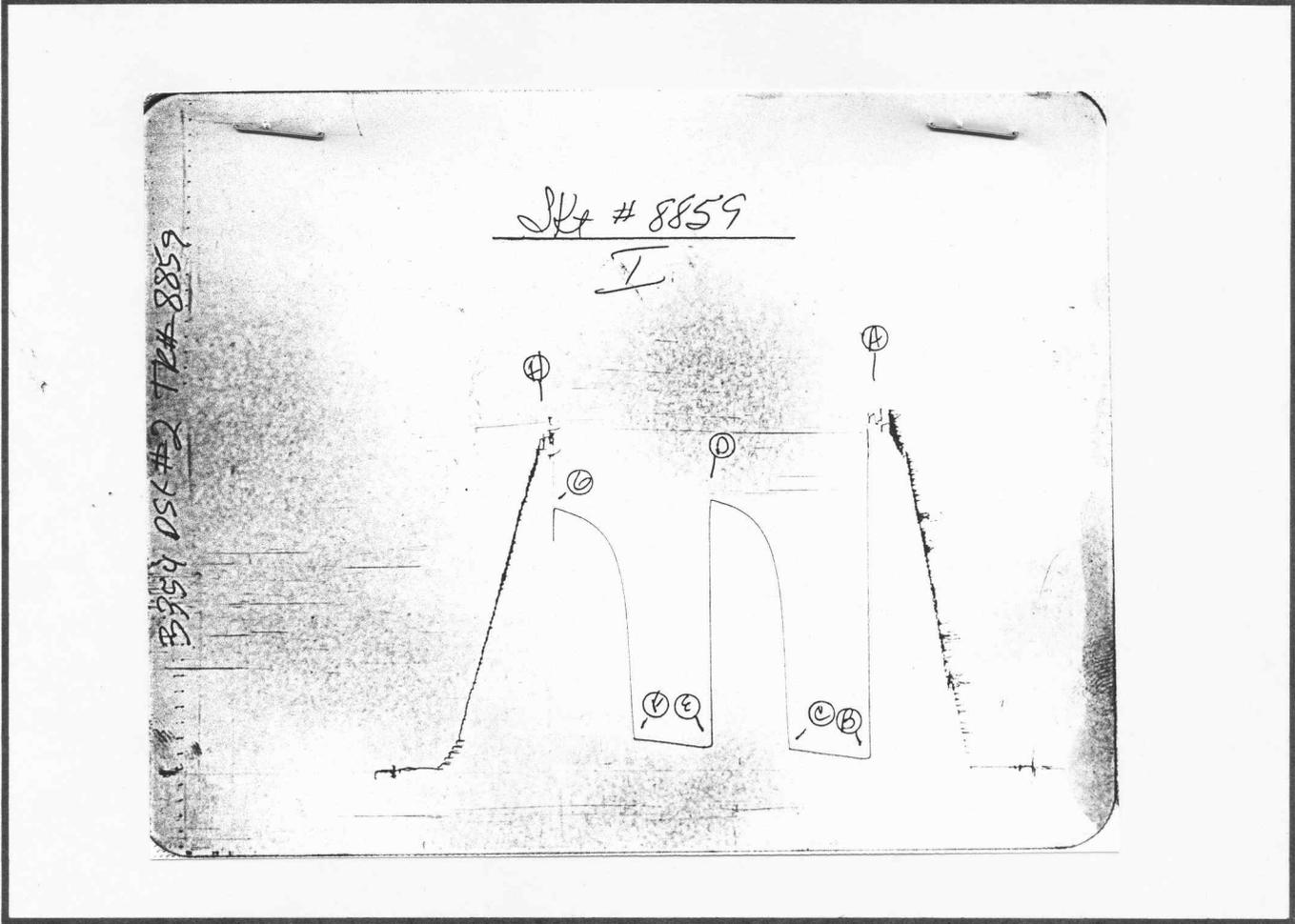
START UP TIME (mo/da/yr) (hr:min:sec)
2./21/86. 14 8.: 0.: 0.

COMPANY : PAN WESTERN PETROLEUM INC. FIELD : YEAROUT
 WELL : 1 JOB # : 8859
 GAUGE # : 3354 DEPTH : 3948
 MON/DAY : 2/21

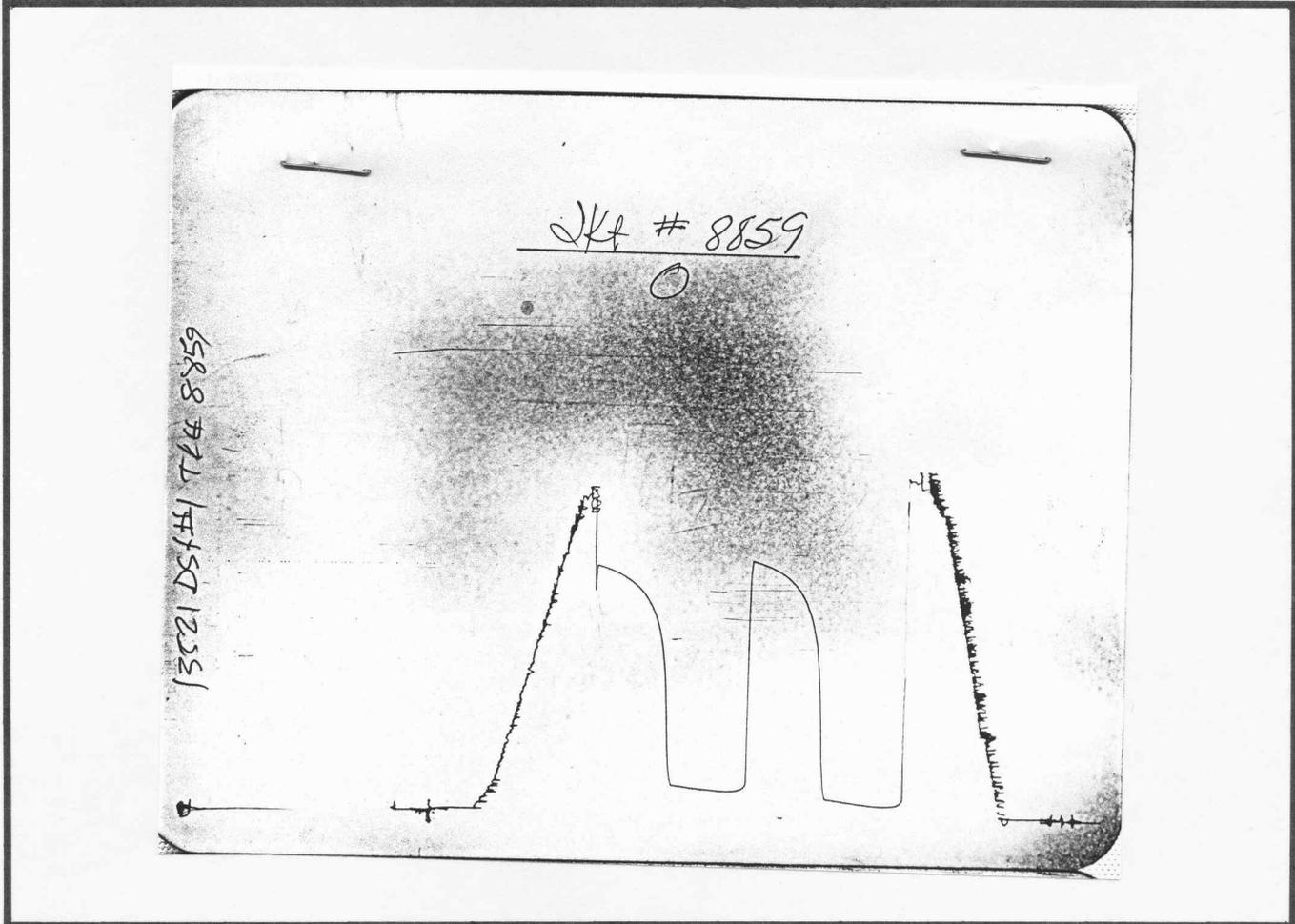
REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	8: 0: 0	0 0.000	68.00	126.0	0.00	0.00
2	8: 5: 0	5 0.083	68.00	126.0	0.00	0.00
3	8:10: 0	10 0.167	69.00	126.0	1.00	12.01
4	8:15: 0	15 0.250	74.00	126.0	6.00	59.97
5	8:20: 0	20 0.333	79.00	126.0	11.00	59.97
6	8:25: 0	25 0.417	84.00	126.0	16.00	60.06
7	8:30: 0	30 0.500	89.00	126.0	21.00	59.97
8	8:35: 0	35 0.583	95.00	126.0	27.00	71.96
9	8:40: 0	40 0.667	100.00	126.0	32.00	60.06
10	8:45: 0	45 0.750	105.00	126.0	37.00	59.97
11	8:50: 0	50 0.833	110.00	126.0	42.00	59.97
12	8:55: 0	55 0.917	116.00	126.0	48.00	72.07
13	9: 0: 0	60 1.000	121.00	126.0	53.00	59.97
14	9: 3: 0	63 1.050	549.00	126.0	481.00	8551.65
15	9: 6: 0	66 1.100	941.00	126.0	873.00	7851.50
16	9: 9: 0	69 1.150	1103.00	126.0	1035.00	3236.84
17	9:12: 0	72 1.200	1208.00	126.0	1140.00	2103.08
18	9:15: 0	75 1.250	1285.00	126.0	1217.00	1538.50
19	9:18: 0	78 1.300	1338.00	126.0	1270.00	1058.97
20	9:21: 0	81 1.350	1380.00	126.0	1312.00	841.23
21	9:24: 0	84 1.400	1411.00	126.0	1343.00	619.40
22	9:27: 0	87 1.450	1437.00	126.0	1369.00	520.76
23	9:30: 0	90 1.500	1459.00	126.0	1391.00	439.57
24	9:33: 0	93 1.550	1477.00	126.0	1409.00	359.65
25	9:36: 0	96 1.600	1492.00	126.0	1424.00	300.44
26	9:39: 0	99 1.650	1506.00	126.0	1438.00	279.73
27	9:42: 0	102 1.700	1517.00	126.0	1449.00	220.32
28	9:45: 0	105 1.750	1528.00	126.0	1460.00	219.79
29	9:48: 0	108 1.800	1538.00	126.0	1470.00	199.80
30	9:51: 0	111 1.850	1544.00	126.0	1476.00	120.18
31	9:54: 0	114 1.900	1551.00	126.0	1483.00	139.86
32	9:57: 0	117 1.950	1557.00	126.0	1489.00	120.18
33	10: 0: 0	120 2.000	1561.00	126.0	1493.00	79.92
34	10: 1: 0	121 2.017	141.00	126.0	73.00	-84909.78
35	10: 5: 0	125 2.083	141.00	126.0	73.00	0.00
36	10:10: 0	130 2.167	141.00	126.0	73.00	0.00
37	10:15: 0	135 2.250	143.00	126.0	75.00	23.99
38	10:20: 0	140 2.333	150.00	126.0	82.00	83.96
39	10:25: 0	145 2.417	156.00	126.0	88.00	72.07
40	10:30: 0	150 2.500	160.00	126.0	92.00	47.98
41	10:35: 0	155 2.583	167.00	126.0	99.00	83.96
42	10:40: 0	160 2.667	171.00	126.0	103.00	48.05
43	10:45: 0	165 2.750	175.00	126.0	107.00	47.98
44	10:50: 0	170 2.833	181.00	126.0	113.00	71.96
45	10:55: 0	175 2.917	184.00	126.0	116.00	36.04
46	11: 0: 0	180 3.000	188.00	126.0	120.00	47.98
47	11: 3: 0	183 3.050	616.00	126.0	548.00	8551.65
48	11: 6: 0	186 3.100	932.00	126.0	864.00	6329.27
49	11: 9: 0	189 3.150	1088.00	126.0	1020.00	3116.96

COMPANY : PAN WESTERN PETROLEUM INC. FIELD : YEAROUT
WELL : 1 JOB # : 8859
GAUGE # : 3354 DEPTH : 3948
MON/DAY : 2/21

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS	ELAPSE TIME HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
50	11:12: 0	192	3.200	1184.00	126.0	1116.00	1922.82
51	11:15: 0	195	3.250	1251.00	126.0	1183.00	1338.69
52	11:18: 0	198	3.300	1300.00	126.0	1232.00	979.04
53	11:21: 0	201	3.350	1338.00	126.0	1270.00	761.11
54	11:24: 0	204	3.400	1369.00	126.0	1301.00	619.40
55	11:27: 0	207	3.450	1390.00	126.0	1322.00	420.62
56	11:30: 0	210	3.500	1411.00	126.0	1343.00	419.59
57	11:33: 0	213	3.550	1430.00	126.0	1362.00	379.63
58	11:36: 0	216	3.600	1445.00	126.0	1377.00	300.44
59	11:39: 0	219	3.650	1458.00	126.0	1390.00	259.75
60	11:42: 0	222	3.700	1468.00	126.0	1400.00	200.29
61	11:45: 0	225	3.750	1479.00	126.0	1411.00	219.79
62	11:48: 0	228	3.800	1487.00	126.0	1419.00	159.84
63	11:51: 0	231	3.850	1496.00	126.0	1428.00	180.26
64	11:54: 0	234	3.900	1502.00	126.0	1434.00	119.88
65	11:57: 0	237	3.950	1511.00	126.0	1443.00	180.26
66	12: 0: 0	240	4.000	1517.00	126.0	1449.00	119.88
67	12: 3: 0	243	4.050	1521.00	126.0	1453.00	79.92



Inside Recorder



Outside Recorder