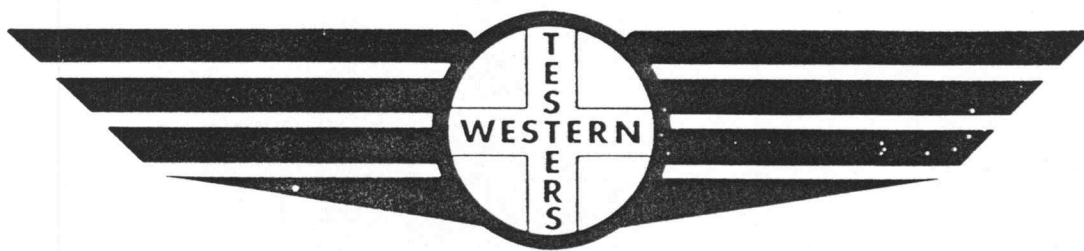


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTERS INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 6-23-86	TICKET	: 9272
CUSTOMER	: LANDMARK OIL EXPLORATION INC.	LEASE	: SHARP 'B'
WELL	: #1-1 TEST: 1	GEOLOGIST	: M. DIXON
ELEVATION	: 2842	FORMATION	: MARM & ALTAMONT
SECTION	: 1	TOWNSHIP	: 18S
RANGE	: 30W COUNTY : LANE	STATE	: KANSAS
GAUGE SN#	: 1566 RANGE : 4300	CLOCK	: 12

INTERVAL FROM	: 4313	TO	: 4412	TOTAL DEPTH	: 4412
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 4308	SIZE	: 6.75		
PACKER DEPTH	: 4313	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: H-30 DRILLING	RIG #11	
MUD TYPE	: DAPAC	VISCOSITY	: 41
WEIGHT	: 9.5	WATER LOSS (CC)	: 10
CHLORIDES (PPM)	: 9000		
JARS-MAKE	: --	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 60 FT	I.D. inch	: 2.20
WEIGHT PIPE LENGTH	: 0 FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 4233 FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20 FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 99 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 DIED IN 15 MINUTES ON
 BLOW COMMENT #2 : THE INITIAL FLOW.
 BLOW COMMENT #3 : NO BLOW ON THE FINAL FLOW.
 BLOW COMMENT #4 :

RECOVERED : 20 FT OF: DRILLING MUD.

Total Barrels Fluid	=	0.09
Total Fluid Prod Rate	=	2.26 BFPD
Indicated Wtr Rate	=	0.56 BWPD

REMARK 1 : FLUSHED TOOL 5 MIN. FINAL FLOW.
 REMARK 2 : CHLORIDES: 10000 PPM
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	: 5:10 AM	TIME STARTED OFF BOTTOM	: 7:10 AM
WELL TEMPERATURE	: 119		
INITIAL HYDROSTATIC PRESSURE		(A)	2301
INITIAL FLOW PERIOD	MIN: 30	(B)	83 PSI TO (C) : 83
INITIAL CLOSED IN PERIOD	MIN: 30	(D)	774
FINAL FLOW PERIOD	MIN: 30	(E)	95 PSI TO (F) : 92
FINAL CLOSED IN PERIOD	MIN: 30	(G)	594
FINAL HYDROSTATIC PRESSURE		(H)	2301

WESTERN TESTERS INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : LANDMARK OIL EXPLORATION INC.
RIG : LANE-KANSAS
FIELD : SHARP 'B'
WELL : #1-1
DATE : 6-23-86
GAUGE NO : 1566

OPERATIONAL COMMENTS

FLUSHED TOOL 5 MIN. FINAL FLOW.
CHLORIDES: 10000 PPM

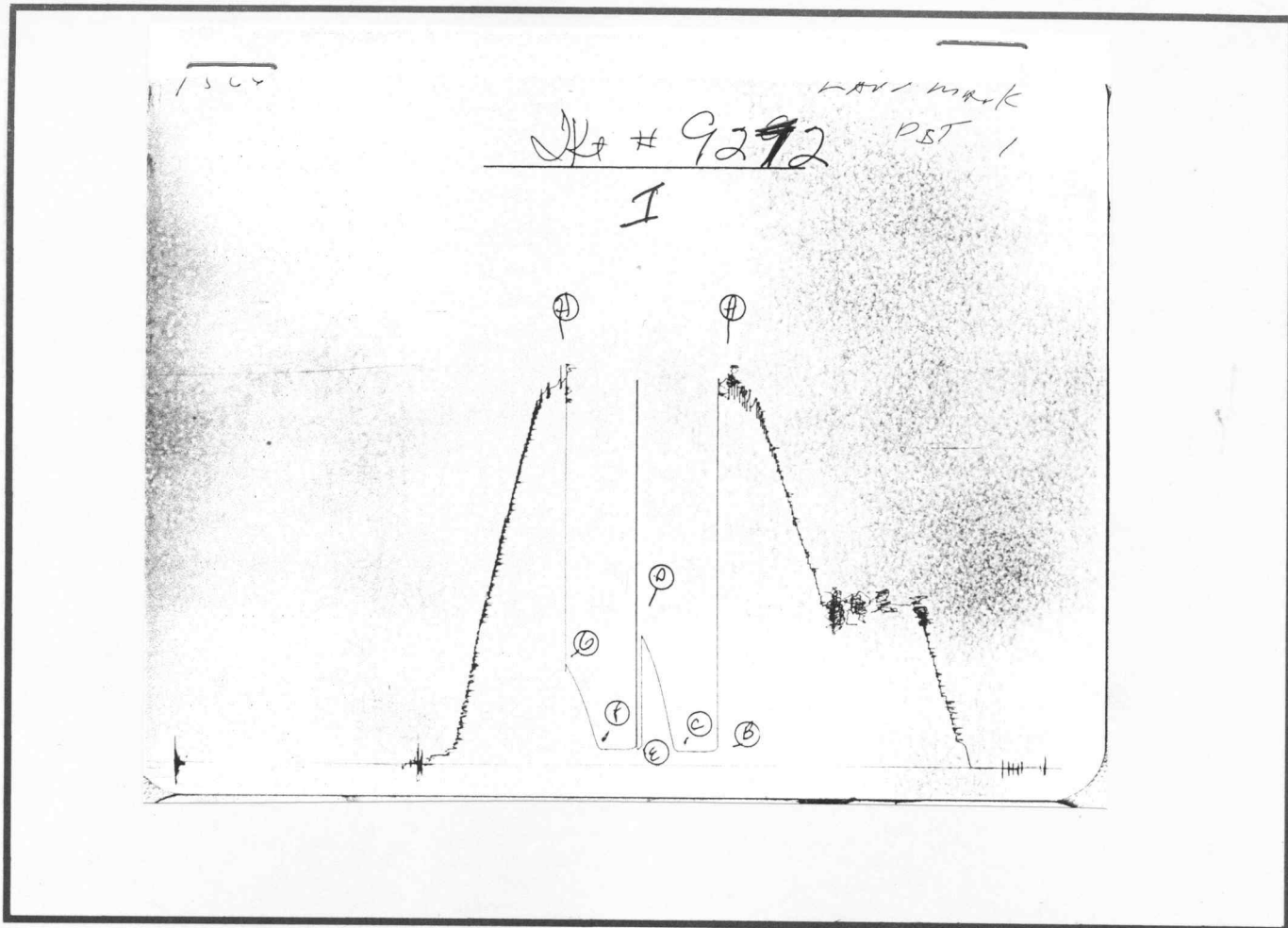
COMPANY : LANDMARK OIL EXPLORATION INC.

WELL : #1-1
 GAUGE # : 1566
 DATE : 23/ 6/86

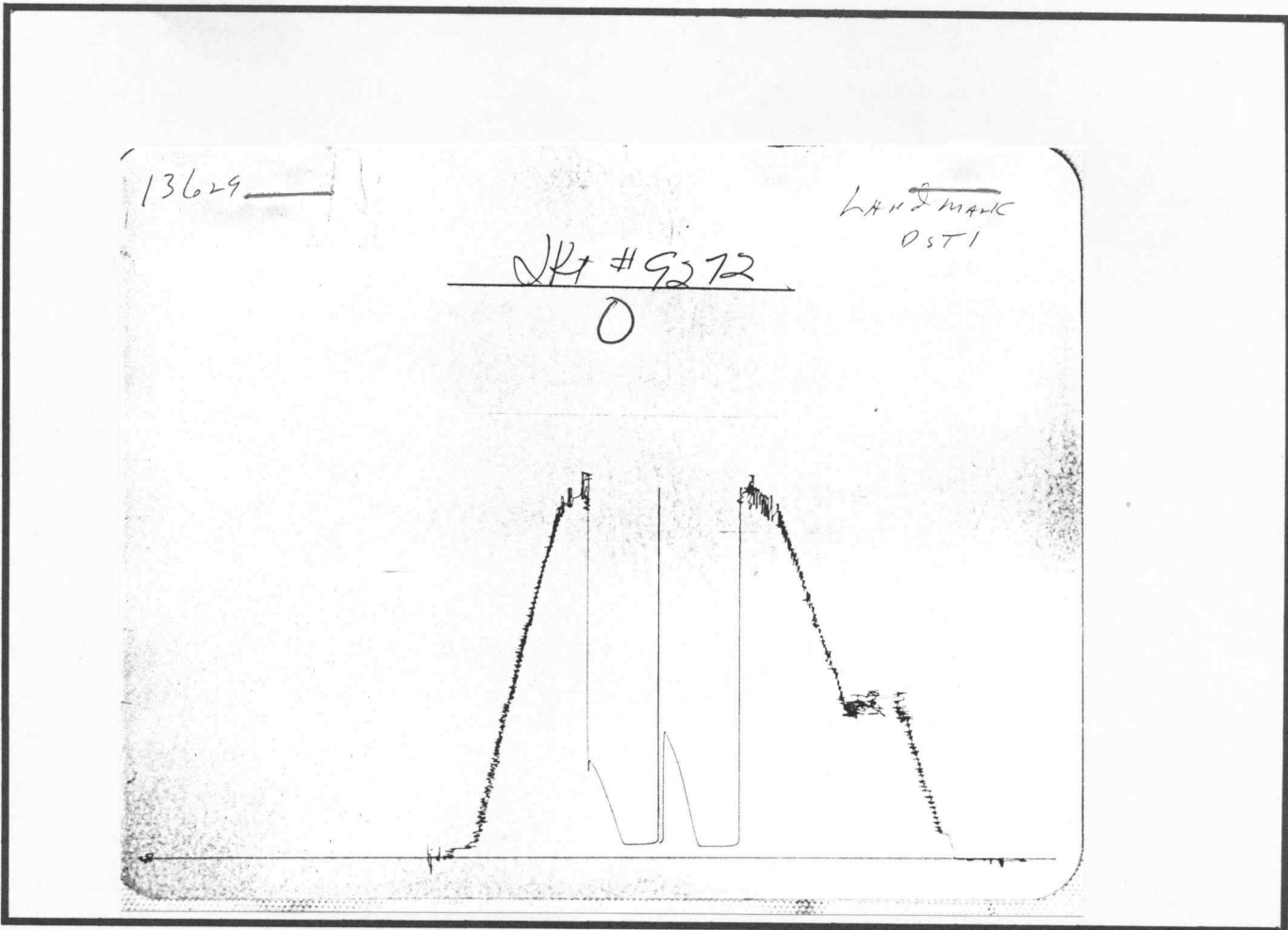
FIELD : SHARP 'B'
 JOB # : 9272
 DEPTH : 4412
 EVENT : FLUSHED TOOL 5 MIN. FINAL FLOW

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	5:10: 0	0.000	83.000	119.00	0.000
2	5:14:60	0.083	83.000	119.00	0.000
3	5:20: 1	0.167	83.000	119.00	0.000
4	5:25: 0	0.250	83.000	119.00	0.000
5	5:29:60	0.333	83.000	119.00	0.000
6	5:35: 1	0.417	83.000	119.00	0.000
7	5:40: 0	0.500	83.000	119.00	0.000
8	5:43: 0	0.550	86.000	119.00	3.000
9	5:46: 0	0.600	152.000	119.00	66.000
10	5:49: 0	0.650	261.000	119.00	109.000
11	5:52: 0	0.700	371.000	119.00	110.000
12	5:55: 0	0.750	465.000	119.00	94.000
13	5:58: 0	0.800	549.000	119.00	84.000
14	6: 1: 0	0.850	617.000	119.00	68.000
15	6: 4: 0	0.900	679.000	119.00	62.000
16	6: 7: 0	0.950	728.000	119.00	49.000
17	6:10: 0	1.000	774.000	119.00	46.000
18	6:11: 1	1.017	95.000	119.00	-679.000
19	6:14:60	1.083	105.000	119.00	10.000
20	6:20: 1	1.167	96.000	119.00	-9.000
21	6:25: 0	1.250	94.000	119.00	-2.000
22	6:29:60	1.333	93.000	119.00	-1.000
23	6:35: 1	1.417	92.000	119.00	-1.000
24	6:40: 0	1.500	92.000	119.00	0.000
25	6:43: 0	1.550	96.000	119.00	4.000
26	6:46: 0	1.600	140.000	119.00	44.000
27	6:49: 0	1.650	216.000	119.00	76.000
28	6:52: 0	1.700	293.000	119.00	77.000
29	6:55: 0	1.750	356.000	119.00	63.000
30	6:58: 0	1.800	413.000	119.00	57.000
31	7: 1: 0	1.850	469.000	119.00	56.000
32	7: 4: 0	1.900	523.000	119.00	54.000
33	7: 7: 0	1.950	564.000	119.00	41.000
34	7:10: 0	2.000	594.000	119.00	30.000

WESTERN TESTERS INC.

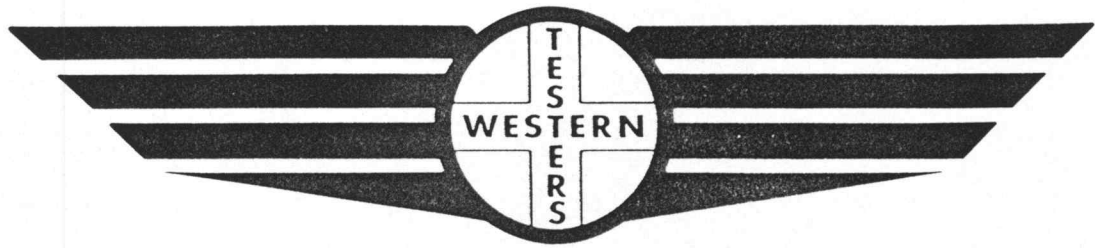


Inside Recorder



Outside Recorder

FORMATION TEST REPORT



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Wichita, Kansas 67201

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Phone (316) 262-5861

COMPANY

LANDMARK OIL EXPLORATION INC. LEASE & WELL NO. #1-1 SHARP 'B' SEC. 1 TWP. 18S RGE. 30W TEST NO. 2 DATE 6/24/86

WESTERN TESTERS INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-24-86 TICKET : 9273
CUSTOMER : LANDMARK OIL EXPLORATION INC. LEASE : SHARP 'B'
WELL : #1-1 TEST: 2 GEOLOGIST : M. DIXON
ELEVATION : 2842 FORMATION : JOHNSON
SECTION : 1 TOWNSHIP : 18S
RANGE : 30W COUNTY : LANE STATE : KANSAS]
GAUGE SN# : 1566 RANGE : 4300 CLOCK : 12

INTERVAL FROM : 4401 TO : 4543 TOTAL DEPTH : 4543
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4396 SIZE : 6.75
PACKER DEPTH : 4401 SIZE : 6.75
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : H-30 DRILLING RIG #11
MUD TYPE : DAPAC VISCOSITY : 41
WEIGHT : 9.4 WATER LOSS (CC) : 9.2
CHLORIDES (PPM) : 7000
JARS-MAKE : -- SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 60 FT I.D. inch : 2.20
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 4321 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 142 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 DIED IN 15 MINUTES ON THE
BLOW COMMENT #2 : INITIAL FLOW.
BLOW COMMENT #3 : NO BLOW ON THE FINAL FLOW.
BLOW COMMENT #4 :

RECOVERED : 20 FT OF: DRILLING MUD.

Total Barrels Fluid = 0.09
Total Fluid Prod Rate = 2.26 BFPD
Indicated Wtr Rate = 0.23 BWPD

REMARK 1 : FLUSHED TOOL FINAL FLOW.
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 7:30 AM TIME STARTED OFF BOTTOM : 9:30 AM
WELL TEMPERATURE : 121
INITIAL HYDROSTATIC PRESSURE (A) 2284
INITIAL FLOW PERIOD MIN: 30 (B) 45 PSI TO (C) : 45
INITIAL CLOSED IN PERIOD MIN: 30 (D) 748
FINAL FLOW PERIOD MIN: 30 (E) 71 PSI TO (F) : 61
FINAL CLOSED IN PERIOD MIN: 30 (G) 639
FINAL HYDROSTATIC PRESSURE (H) 2273

WESTERN TESTERS INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : LANDMARK OIL EXPLORATION INC.
RIG : LANE-KANSAS]
FIELD : SHARP 'B'
WELL : #1-1
DATE : 6-24-86
GAUGE NO : 1566

OPERATIONAL COMMENTS

FLUSHED TOOL FINAL FLOW.

COMPANY : LANDMARK OIL EXPLORATION INC.

WELL : #1-1
 GAUGE # : 1566
 DATE : 24/ 6/86

FIELD : SHARP 'B'
 JOB # : 9273
 DEPTH : 4543
 EVENT : FLUSHED TOOL FINAL FLOW.

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	7:30: 0	0.000	45.000	121.00	0.000
2	7:34:60	0.083	45.000	121.00	0.000
3	7:40: 1	0.167	45.000	121.00	0.000
4	7:45: 0	0.250	45.000	121.00	0.000
5	7:49:60	0.333	45.000	121.00	0.000
6	7:55: 1	0.417	45.000	121.00	0.000
7	8: 0: 0	0.500	45.000	121.00	0.000
8	8: 3: 0	0.550	46.000	121.00	1.000
9	8: 6: 0	0.600	114.000	121.00	68.000
10	8: 9: 0	0.650	228.000	121.00	114.000
11	8:12: 0	0.700	318.000	121.00	90.000
12	8:15: 0	0.750	413.000	121.00	95.000
13	8:18: 0	0.800	495.000	121.00	82.000
14	8:21: 0	0.850	557.000	121.00	62.000
15	8:24: 0	0.900	621.000	121.00	64.000
16	8:27: 0	0.950	681.000	121.00	60.000
17	8:30: 0	1.000	748.000	121.00	67.000
18	8:31: 1	1.017	71.000	121.00	-677.000
19	8:34:60	1.083	64.000	121.00	-7.000
20	8:40: 1	1.167	61.000	121.00	-3.000
21	8:45: 0	1.250	61.000	121.00	0.000
22	8:49:60	1.333	61.000	121.00	0.000
23	8:55: 1	1.417	61.000	121.00	0.000
24	9: 0: 0	1.500	61.000	121.00	0.000
25	9: 3: 0	1.550	82.000	121.00	21.000
26	9: 6: 0	1.600	157.000	121.00	75.000
27	9: 9: 0	1.650	235.000	121.00	78.000
28	9:12: 0	1.700	300.000	121.00	65.000
29	9:15: 0	1.750	367.000	121.00	67.000
30	9:18: 0	1.800	432.000	121.00	65.000
31	9:21: 0	1.850	486.000	121.00	54.000
32	9:24: 0	1.900	540.000	121.00	54.000
33	9:27: 0	1.950	592.000	121.00	52.000
34	9:30: 0	2.000	639.000	121.00	47.000

WESTERN TESTERS INC.

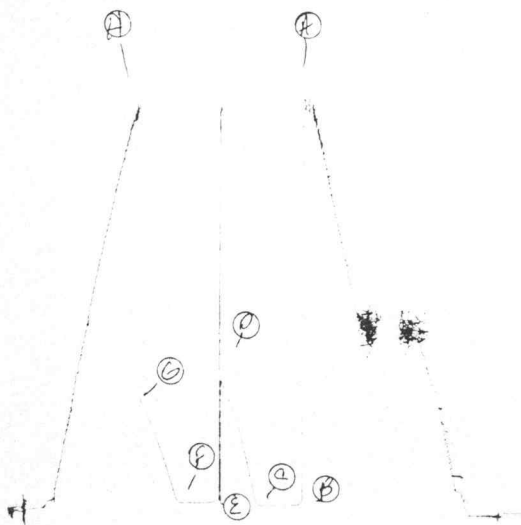
1564

LAND MARK

DST 2

St # 9273

I



Inside Recorder

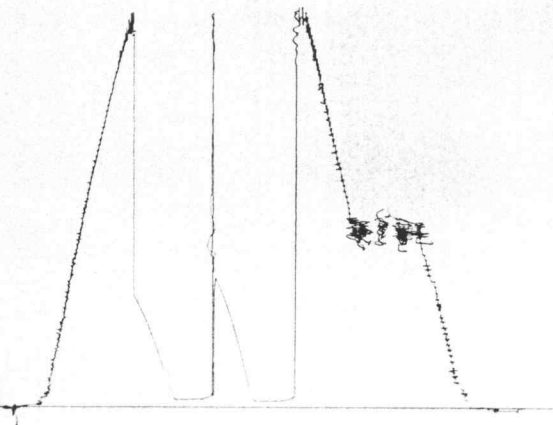
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LAND MARK

DST 2

St # 9273

O



Outside Recorder