

NOTE: TPX 1 ~~B~~ WAS TPY 2 IN PREVIOUS LEGS.

RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 2004

Line: 21

ONLY 2 GUNS OUT

RANDOMIZER NOT WORKING

Aug.

Per

1 file

DFS IV

Format: SEG B

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
30 Aug 76	0	2127	1216	3200 F	20	4 ms	12 sec	6			TPX1
(243)	93	2158	1217	11	11	11	11	11			TPX2
	187	2229	1218	11	11	11	11	11			
	280	2300	1219							6	Update File Count
	386	2336	1220	missed	7	shots in	charger				at sp 345 + 388
31 Aug 76	481	0008	1221					6			
	577	0039	1222								
	670	0110	1223A								ABORTED TAPE, SWITCH-OVER
	686	0116	1223								PROBLEMS 16 SHOTS MISSED
(244)	780	0147	1224								
	874	0218	1225								
	971	0251	1226								MISSED 10R2 SHOTS
								7.5			SHOT 99'S DELAY TO 7.5 SEC
RADIO CLASSICS ON RECORD	1067	0322	1227								1081 SEQUENCE FROM 20 SEC
	1161	0356	1228		21						TO 21 SEC
	1258	0429	1229	MISSSED	10R2	SHOTS IN CHARGE					SHOT 1111 FOUND FILTER SLOPE AT 3600/ST
	1352	0502	1230								CHANGED TO "OUT"
	1446	0532	1231								
	1541	0608	1232								
	1635	0641	1233								
	1730	0714	1234								
	1824	0748	1235								
	1918	0820	1236					6.5		5	@ huge delay to 6.5 at sp 1925

\* SHOT 1111 1217 TRIP DELAY ON DFS IV SWITCHES CHANGED TO 1111'S

RECORDING LOG

NOT TAPE DRIVES RENAMBERED. TPX 1 IS TPX 2 OF PREVIOUS VES ②  
RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 2004

Line: 21

RANDOMIZER NOT  
WORKING

DFS IV

Format: SEG B

BPI: 800

AVG  
PER  
FILE

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
31 AUG 76	2011	0853	1237	3200	20	4/15	17500	7.5			At SP 2011, Delay 7.5
	2107	0926	1238								At 8:40 Pressure at 1500 PSI
#3 (244)	2202	0959	1239	TPX 2							At 09:45 GUN #4 POLL IN
	2297	1033	1240								At SP 2226, DELAY 6.5
	2392	1106	1241					6.5			
	2488	1139	1242								
	2583	1213	1243								
	2678	1246	1244								At 13:15 2 guns @ 2000 psi shot #2754
	2773	1315	1245								
	2868	1353	1246								
	2963	1426	1247								
	3058	1458	1248								
	3153	1532	1249								
	3257	1604	1250	BAD TAPE ON MISSED ABOUT 10 SHOTS							
#4	3351	1642	1251					7.5			3280 DELAY TO 7.5
	3446	1715	1252					7.5			
	3540	1748	1253								
	3634	1821	1254								
	3728	1852	1255								
	3822	1926	1256								
	3918	2000	1257						At 2000		MISSED ONE SHOTS?
	4012	2033	1258								
	4106	2106	1259							3	

NOTE TYPE DRIVES RE-NUMBERED. TPX 1 IS TPX 2 OF PREVIOUS LINE

RECORDING LOG

③

R/V ROBERT D. CONRAD NOTE ONLY 2 GUNS OUT.

DFS IV

Cruise: 2004

Format: SEG B-

Line: 21

AVG  
PER  
FILE

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
#5 31 AUG 76	4200	2139	1260	3200	21	4MS	12800	7.5			
(244)	4294	2212	1261	TPX 2						1	
	4388	2244	1262								
	4483	2318	1263								
	4577	2351	1264						AT 2328		HEAD SHIELD to adjust to reduce PARITY ERROR SP 4509
1 Sept 76	4671	0021	1265	} CLOCK OFF FOR REPAIR.							
(245)	4764	0054	1266								
	4857	0127	1267								
	4950	0154	1268								RESET SHOT COUNTER.
	5044	0232	1269								
#6	5137	0307	1270								
	5231	0339	1271								
	5325	0412	1272								
	5419	0445	1273								
	5515	0520	1274								
	5611	0554	1275								
	5706	0628	1276								
	5801	0702	1277								
	5895	0736	1278								
#7	5990	0810	1279							8	
	6085	0844	1280								
	6179	0917	1281							2	
	6274	0951	1282								

\* NOTE: RANDOMIZER ON AT ABOUT 5450. MAY HAVE A FEW MORE GUNS INDICATED BY THE LOG.

## RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 2004

Line: 21

NOTE ONLY 2 GUNS OUT

DFS IV

Format: SEGB

BPI: 800

AVG  
PER  
FILE

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
01 SEPT 76	6368	1025	1283	3200	21	4.75	12500			1	TPX 2
	6461	1058	1284								AT 1115 GUN #4 OFF. PRESET
	6559	1133	1285								LOW; MISSED ABOUT 4 SHOTS
	6652	1206	1286								AT 1125 GUN #4 BACK ON
	6746	1240	1287								
	6840	1314	1288								
	6934	1347	1289								
	7028	1421	1290								
	7122	1455	1291								
	7216	1528	1292								
	7311	1602	1293								
	7405	1636	1294								
	7499	1710	1295								SP 7555 shot down
	7609	1749	1296								gun's because of power
	7702	1823	1297								failure
	7797	1856	1298								AT: 1736 PRESET DFSTW CONT
	7809	1930	1299								SP 7572
	7983	2003	1300					7.5			RESET DFSTW SP 8046
	8076	2036	1301								AT 3200 A/C 275
	8168	2109	1302								
	8261	2142	1303					/		2	
	8354	2216	1304								
	8446	2249	1305					7.5			

(4)

## RECORDING LOG

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2004

Format: SEE B

Line: 21 + 22

BPI: 800

AVG  
PER  
FILE

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
01 Sept 76	85 40	23 22	1306	3200	21	4ms	12sec	7.5			TPX 1
	86 34	23 56	1307								
02 Sept 76	87 27	00 29	1308								
	88 20	01 02	1309								
(246)	89 13	01 36	1310								
	90 07	02 09	1311								
	91 01	02 43	1312								
	91 45	03 17	1313								
	92 89	03 50	1314								
	93 84	04 24	1315								
End 21	94 78	04 58	1316	last shot	9567			6.5			changed Delay at sp 9476
											change course at 0515
	0000	-									<del>02.7</del> 02.7°
Begin 22	<del>94 78</del>	06 11	1317	TPX 2	21	4ms	12sec	6.5			
	92	06 45	1318	1							
(246)	187	07 18	1319	2							
	282	07 52	1320								
	377	08 26	1321								
	471	09 00	1322								
	566	09 34	1323								
	660	10 07	1324								
	755	10 41	1325								
	870	11 21	1326								missed 19 shots in changeover

## RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 2004

Line: 22

DFS IV

Format: SPG-B

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
02 Sept 76	963	1156	1327		21	415	12	6.5			TPX #2
	1057	1229	1328								
(246)	1152	1303	1329								
	1246	1337	1330								
	1340	1411	1331								
	1434	1444	1332								
	1528	1518	1333								
	1621	1551	1334								
	1715	1626	1335								
	1808	1658	1336								Partial Sonoboy on
	1902	1732	1337								tape 1337 →
	1995	1805	1338								
	2089	1839	1339								At 20:00 Sonoboy OFF
	2182	1913	1340								At 2015 A/C 031°
	2275	1946	1341								
	2368	2019	1342								
	2454	2052	1343								
	2554	2125	1344								
	2647	2159	1345								
	2739	2231	1346								
	2802	2252									Missed about 43 shot
	2845	2310									Air Gun OFF - RECORDING STOPPED
	2882	2323	1347								A/G. #1 ON RELOADING RESUMED

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**DFS IV**

Format: *SEG B*

BPI: 800

[illegible]

## RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 2004

Line: 23

DFS IV

Format: SEG 8

BPI: 800

Avg  
Per  
file

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
8 Sept 76	000	2005	1349	7.7 sec	20	4 ms	20 sec	65			Missed 5 shots ?
	99	2039	1350					TDX			
(252)	196	2112	1351					1			Missed 3 shots in change
	290	2145	1352					TPY2		3	SP # 300 is on Tape 1351
	386	2217	1353								
	480	2249	1354								
	574	2321	1355								
	6687	2353	1356								
9 Sept 76	760	0025	1357								
	855	0057	1358	7.8							
(253)	951	0130	1359								LOST 1 SHOT SOMEWHERE
	1046	0202	1360								APPARENTLY LIFEBLOCK PRESENT
	1139	0234	1361								
	1234	0306	1362								
	1329	0339	1363								
	1424	0411	1364								
* 156	1518	0443	1365								SOUND BOW ON #98 AX 3
x	1614	0517	1366	P							SOUND BOW ON #98 " "
	1708	0548	1367								" " " "
	1802	0620	1368							3	
	1895	0652	1369								
	1989	0724	1370								
	2083	0756	1371								AT 0803 SOUND BOW OFF

PICKED UP A SHOT SOMEWHERE



# RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 200

Line: 23

DFS IV

Format: SEGB

BPI: 800


AUG.  
REV.  
FILE

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
09 Sept 76	2177	0828	1372	7.7	4/15	208	6.5			1	-fpx #2
	2271	0900	1373								
	2365	0932	1374								
	2459	1009	1375								TPX # 1
(253)	2553	1036	1376								
	2647	1108	1377								
	2791	1140	1378							1	
	2835	1212	1379								
	2888	1230		Compressor shut Down							
	3030	1319	1380								
	3123	1351	1381								missed 24 shots in
	3147	1359	1381								changeover
	3241	1431	1382								ANY CHANNEL 3 SB #100 (Bud)
	3334	1503	1383								Next time #3401-3405 SB#100
	3428	1535	1384								
	3525	1608	1385								Missed 2 shots in changeover
	3618	1640	1386								
	3711	1711	1387								
	3805	1744	1388								1807 end SB #100
	3899	1816	1389								
	3994	1848	1390								
	4088	1920	1391								
	4183	1953	1392								

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**DFS IV**

Line 23

**Format:** 

Line: 23

BPI: Sey B

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
09 Sept 76	4281	2026	1393	7.7	20	4	20	6.5			missed 2 shots in change
(253)	4375	2058	1394								
	4470	2130	1395								
	4565	2203	1396								S.B. <sup>102</sup> over at 22:00
	4660	2236	1397								Compressor down at
	4755	2308	1398								Sp 4777 Time 23:16
	4873	2348	1399								Compressor on at
	4967	0020	1400								Sp 4803 Time 23:25
	5061	0052	1401								5146 SHUT DOWN FOR COMPRESSOR WORK
	5268	0203	1402								5260 BACK ON
	5362	0235	1403								
	5459	0307	1404								
	5550	0340	1405								
	5647	0412	1406								
	5741	0444	1407								
	5836	0517	1408								
(254)	5930	0549	1409								MISSED 2 SHOTS AT CHANGE OVER
	6027	0621	1410								ON 1410 -
	6121	0654	1411								
	6215	0726	1412								
	6309	0758	1413								TPX 1
	6404	0830	1414								
	6502	0903	1415								MISSED 1 shot at change over ON 1415

# RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 2004

Line: 23A

DFS IV

Format: SEG B

BPI: 802

AUG  
PER  
FILE

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
21 10 SEPT 76	6594	0935	1416	7.5	20	4	20	65			-FX #2 Change
	6687	1007	1417								Course to SW
	6781	1039	1418								At 1055 Change AIR GUNS
	6872	1110	1419	7.6							#2-3 ON & 1-4 OFF
	6965	1142	1420	7.4						2	
254	7058	1213	1421								
	7152	1245	1422								
	7208	1305	1422								Triggers off-compressor shutdown
	7340	1350	1422								F/S after diesel oil change
22	7376	1402	1423								
	7470	1434	1424								SBA 103 @ 1502
	7563	1506	1425								
	7657	1538	1426								
	7751	1610	1427								
	7844	1642	1428								
	7937	1713	1429								
	8034	1747	1430								missed one shot in changeover
23	8128	1819	1431								SP 8186 shot down #2 & #3
	8223	1920	1432								SP 8256 on suppressors 1-4 Time 19:08
	8433	2003	1433								Shot down Comp. at 8277 time 1910
	8527	2035	1434								Back on at 8327 Time 1927
	8620	2107	1435								Reset DFS at 8510
	8714	2139	1436								

## RECORDING LOG

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R/V ROBERT D. CONRAD

DFS IV

Cruise: 2004

Format: Sg B

Line: 23 A

BPI: 200

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
23 10 Sep 076	8807	2211	1437	7.4 sec	20	4ms	12.0 sec	6.5			
254	8901	2242	1438								
	8995	2315	1439								
	9089	2347	1440								
11 Sep 076	9183	0019	1441								
	9277	0051	1442								
	9370	0122	1443								
29 (255)	9464	0155	1444					5.407	92.50		SB 104 ON AX3
	9558	0227	1445								"
	9653	0259	1446								"
	9747	0331	1447								"
	9842	0404	1448								"
	9936	0436	1449								"
	10031	0508	1450								
	10125	0540	1451								SB104 FINISHED
	10218	0612	1452								
	10312	0644	1453								
	10406	0717	1454								
	10498	0747	1455	TPX 1							Shunt down comp at SP 10573
											TIME 0510
11 Sep 76	12875	1811	1456	TPX 1							LAST shot
	12974	1844	1457	7.6	20	4ms	20	6.5			Problems with Charge
	13067	1916	1458								#2 ?

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NOTE LOWEST RECORDS CAUSED BY TOWING  
TOO FAST. WE ARE BACKING & HEAVY CURRENT.  
WE MUST USE EXCESSIVE THROUGH-THE-WATER  
SPEED TO MEET THE SCHEDULE. LEFT RUNNING SHALLOW.

Format: SSS B

BPI: 000

[illegible]

## RECORDING LOG

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2004

Format: SEGB

Line: 24 course 270

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
12 Sept 76	0001	0309	1470		20	4m5	125	6.5			START LINE 24
	095	0341	1471								20-000 SHOT OUT
	0188	0413	1472								SB 107 ON AUX 3 ABOUT SHOT 150
	0282	0445	1473								SB 107 KAPUT
	0374	0516	1474								SB 106 ON AUX 3
(256)	0468	0548	1475								
	562	0620	1476								
	656	0652	1477								
	750	0724	1478								
	844	0756	1479								
	938	0828	1480								GB #108 OFF TIME 0742
	1092	0926	1481	TPX #2							MISS. about 1/2 SS shots AT SP 989 AIRGUN #1 off
	1182	0951	1482								TIME 0957 # Recording stopped
	1277	1030	1483								AT 1047 A/E 3+4 Recording resumed.
	1368	1101	1484								
	1462	1133	1485								
	1556	1205	1486								SP 1618 compression off SP 1086 DIV
	1814	1333	1487								SB #109
	1907	1405	1488								
	1949	1436	1484								
	2043	1508	1440								
	2186	1540	1441								
	2280	1612	1442								

# RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 20-04

Line: 24

24-25

DFS IV

Format: SEGB

BPI: 800

AT CMTAGE COURSE 280°

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
12 Sept 76	2374	1644	1443		20	4ms	12s	6.5			TPV#2
	2465	1715	1444								
		END	LINE 24								
Line 25	000	1740	1495								A/C 280° LINE #25
	97	1814	1496	7.8	20	4ms	12	6.5			
	191	1846	1497								
(256)	289	1918	1498								
	379	1950	1499								
	477	2023	1500								
	572	2056	1501							3	TPV#2
	666	2128	1502								
	762	2201	1503							3	
	858	2234	1504								
	953	2306	1505							4	1/2 to 285°
	1048	2339	1506								
13 Sept 76	1144	0011	1507								SUDDENLY LOST SIGNAL ON RECEIVER
	1239	0044	1508								CAMERA RECORD IS OK.
(257)	1334	0116	1509								
	1428	0148	1510								
	1523	0221	1511								
	1617	0253	1512								SB 110 on AUX3
	1711	0325	1513								



## RECORDING LOG

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R/V ROBERT D. CONRAD

DFS IV

Cruise: 2004

Format: SEEB

Line: 2425

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
13 Sep 76	1805	0357	1514	2.85 FC	20	4	12	6.5			SB 110 on Aug 3
	1900	0429	1515								
	1994	0501	1516								
	2088	0533	1517								
	2186	0607	1518								Missed about 50 ft change only
	2287	0641	1519								SB 110 OFF AC 270° AT 0630 S/N 2256
	2381	0713	1520								Missed about 9 shot at SP 2288 shot down for change
	2475	0745	1521								Gain
	2568	0817	1522								AT SP 2464 RHYTHM OFF
257	2662	0849	1523								No monitor records thru 1570
	2754	0920	1524								
	2848	0952	1525								
	2941	1024	1526								At sp 3007 S/B #111 on time 1048
	3034	1056	1527								on Aux #3
	3127	1128	1528								
	3220	1159	1529								
	3314	1231	1530								
	3407	1303	1531								
	3500	1335	1532								SB #111 off @ 1401 hrs
	3593	1407	1533								SP 3601 @ 1404 hrs change off
	3805	1519	1534								SP 3721 on, on
	3898	1551	1535								
	3941	1622	1536								



## RECORDING LOG

R/V ROBERT D. CONRAD

DFS IV

Cruise: 20-04

Format: SE6B

Line: 25

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
13 Sept 76	4085	1654	1537	7.8	20	4	12	8.5			TPZ # 2.
	4180	1727	1538								
	4275	1759	1539								
	4370	1832	1540	8.0							T/B 112 ON FAX 3
	4464	1904	1541								<del>10</del> A/c 280° at 1830
	4558	1936	1542								
	4653	2009	1543								
257	4747	2041	1544								No Monitor
	4842	2113	1545								
	4937	2145	1546								
	5032	2218	1547								A/c 280° at 22:00
	5126	2250	1548								Missed SP # 5031
	5221	2322	1549								
	5324	2357	1550								missed 10 shots
14 Sept 76	5417	0029	1551								
	5510	0101	1552								5605. MISSED #
	5606	0134	1553								
258	5699	0205	1554								
	5794	0238	1555								
	5889	0310	1556								5989 MISSED #
	5985	0343	1557								AC 295° at 0310
	6079	0415	1558								SB'S ON BUT FAULTY.
	6173	0447	1559								SB 114 ON FAX 3

→ AC 290-117 TAPED IN MIDDLE OF SHOT.

# RECORDING LOG

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2004

Format: SEEB

Line: 25

BPI: 800

HVC  
FOR  
FILE

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
17 Sep 76	6268	0519	1560	80500	205	4m/s	12500	6.5			
	6363	0552	1561								
	6457	0624	1562								
	6551	0656	1563								
	6645	0728	1564								
	6740	0803	1565								At 0808 SP 2765 S/A OFF
	6842	0835	1566								miss 12 shots in 1/2 hr
	6935	0907	1567								
	7028	0939	1568							8	→ No Monitor
	7120	1010	1569								
	7212	1041	1570								
	7305	1113	1571								
	7397	1144	1572								At 1145 A/C 287°
	7490	1216	1573								SB 115 @ 1202
	7583	1248	1574								
	7676	1320	1575								
	7769	1351	1576								
	7862	1423	1577								
	7955	1455	1578								SB 584 @ 1524
	8049	1527	1579								SP 8056 @ 1530 hrs guns off
	8198	1618	1580								SP 8113 @ 1540 hrs guns off
	8291	1650	1581								
	8384	1721	1582								

(18)

(19)

**DFS IV**

Format: *SECB*

BPI: 800

[illegible]

## RECORDING LOG

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2004

Format: SEGB

Line: 25

25 + 26

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
15 Sept 76	10647	0614	1606	7.8	20 s	4ms	12s	6.5			TPX 1
	10741	0626	1607								
	10834	0718	1608								
	10928	0750	1609								
	11022	0822	1610								
(25)	11116	0859	1611								
	11210	END OF LINE 25									
	<del>0001</del>										
	0001	0935	1612	7.8	20	4ms	12	6.5			A/E 000
	095	1008	1613								START DIVE/26 TPX 1
	190	1040	1614								
	284	1112	1615								AT SP 259 S/B #117
	378	1144	1616								
	0472	1216	1617								
	0566	1248	1618								
	0661	1321	1619								
	0755	1353	1620								
	0844	1425	1621								S/B #117 OLSR
	0943	1457	1622								@ 0944 airguns off 1458 hrs
	1157	1610	1623								1066 P.S. @ 1539 hrs
	1251	1642	1624								1623 hrs 4/4 -- 0015°
	1345	1714	1625								

## RECORDING LOG

(21)

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2004

Format: SEGB

Line: 26

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
15 Sept 76	1439	1746	1626	7.6	205	4	12	6.5			
	1533	1819	1627	6.5				6.0		SP	1556 changed Trip Del.
	1627	1851	1628	5.7				5.5			TAPE #1627 JD # wrong
	1721	1923	1629	7.3				6.5		SP	1727 changed Trip Del.
	1815	1955	1630	7.6							
	1908	2027	1631	7.2							
(259)	2002	2059	1632	7.7							
	2095	2130	1633								
	2190	2203	1634								
	2284	2235	1635								
	2381	2308	1636								Missed part of 2379 and
	2475	2340	1637								all of 2381 on changeover
16 Sept 76	2569	0012	1638								
	2663	0044	1639								MISSED SEVERAL SHOTS ON CHANGE OVER
	2761	0118	1640								
(260)	2855	0150	1641								
	2948	0221	1642								
	3042	0254	1643								
	3135	0335	1644								
	3229	0357	1645								0910 AC 345°
	3323	0429	1646								
	3417	0502	1647								
	3500	0530	1648								

Not  
rec'd

## RECORDING LOG

(22)

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2004

Format: SECB

Line: 026+27

AVG  
PER  
FILE

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
16 Sept 76	3594	0602	1649								PP 72
	3688	0634	1650								
	3782	0706	1651								AT SP 3857 AIRGUN OFF TIME 0152
	3857		END	2-11/26							change oil to compressor PIC 275°
16 Sept 76	0001	0810	1652	7.6	20	4	12	6.5			START LINE # 27
	95	0842	1653								TAPES# 1652 ID # WRONG TO 1657
	189	0914	1654								AT 0821 S/B # 118 ON
	283	1046	1655							2	
	377	1018	1656								
(260)	471	1050	1657								
	565	1123	1658								AT 1126 S/B OFF
	659	1155	1659								
	753	1227	1660								
	847	1254	1661								
	941	1331	1662								@ 1345h. 4K - 245°
	1036	1403	1663								
	1130	1435	1664								
	1224	1507	1665								
	1314	1540	1666								
	1413	1612	1667								
	1507	1644	1668								
	1602	1716	1669								

3313

## RECORDING LOG

23

R/V ROBERT D. CONRAD

RANDOMIZER BUSTED ABOUT 2000

DFS IV

Cruise: 20 04

Format: SEGB

Line: 028

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
16 Sep 76	1696	1748	1670	26	2050	4ms	12	6.5			SP 1729 time 1800
	2100	2016									1729 GUNS OFF (1500)
	2159	2036	1671								Continuation of # 27
(260)	2252	2107	1672								
	2346	2138	1673								
	2440	2209	1674								
	2535	2241	1675								
	2628	2312	1676								
	2723	2344	1677								
17 Sep 76	2816	0015	1678								
	2909	0046	1679								
	3001	0117	1680								
(261)	3095	0148	1681								
	3188	0219	1682								581
	3281	0250	1683	END AT 2377							SIR 120 ON AIRS
	3377	0322	1684	M. SEAL 3 SOUNDS ON CHANGE							
	3470	0353	1685								
	3564	0424	1686								
	3658	0455	1687	EEL RIDING HIGH AGAIN							CUT SPEED BY 5KT
	3751	0526	1688								3844 SYSTEM DOWN FOR CHECK
	37										
	3853	0610	1689								SP 3890 AIRGUNS OFF
	3928	0626	"	AIR GUNS BACK ON							time 0613

0036 17 Sep 76 EEL RIDING TOO HIGH, CUT SPEED BY 5KT.

24

**DFS IV**

Format: SEC B

BPI: 800

[illegible]



# RECORDING LOG

R/V ROBERT D. CONRAD

NOTE TO PROCESSORS: MANY  
INTERNAL TIMEBREAKS ON TAPES  
BE CAREFUL OF TIMING.

DFS IV

Cruise: 2005

Format: seg

Line: 280 + 294 30

BPI:

LANES

W

Date	Shot Point #	Time	Tape #	VENA POP Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
3059/76	0000	1450	1693	60 SEC DELAY 6.0	20 SEC	4	12	6.0			VENA FIRING 1/16 blocked/min ✓ 5/10 126 ON AUX 3.
	69	1528	1694						71.1		
	133	1554	1695						252	11.44	SHOT 158 VENA DELAY TO 8.0 SEC
	197	1626	1696						441	20.02	SHOT 187 VENA TO 1/16 CHARGE
	254	1659	1697						630	28.60	
	326	1730	1698						806	36.59	1753 - went out of Aux mode
	396	1802	1699						992	45.03	Course reversal about 1805
	404?	1817?	1699								1817 - end tape 1699 shot 404?
											- end line (293) 281
											cell phone for CDP at pt D
	001	2118	1700		20.	4	12	6.0			Begin line 29
	095	2149	1701		20	4	12	6.0			A/S to 4.1 @ shot 171
	189	2222	1702		20	4	12	6.5			SHOT 189 DELAY TO 6.5
	<del>000</del>		<del>1703</del>		<del>20</del>	<del>4</del>	<del>12</del>	<del>6.5</del>			
10/1/76	001		1703								BEGIN LINE 30
	090	0157	1704	CONRAD DELAY 6.5 SEC.							0125 start by to 1703
	0181	0233	1705								START AT 6.0 & TO 7 SEC AT ABOUT SHOT 90
	0263	0309	1706								VENA TO 9 SEC DELAY AT ABOUT SHOT 225
	0350	0345	1707								0230 A/C 140
	MISSED SPRTIMES		1708								VENA DELAY 9 SEC CONRAD DELAY 6.5 INCREASE TO 1/16 280 about 396
	529	502	1709								
	614	0537	1710								
	702	0610	1711								