LAND SEISMIC RECORDING LOG

Page 1

CLIENT: Husky	PROSPECT: NPR-A	AREA: Barrow Area	LINE NO: B-17
PARTY NO: 1182	INST. ENG:		DATE: MO 4 DAY 1 YR 78

INSTRUMENT (9-TRACK)
- [x] 1 SYSTEM [ ] 2 SYSTEMS
- [x] 1-24 & 25-48 [ ] 1-48 & 49-96
- [x] ODDS & EVENS
- TYPE: [ ] DFS III [ ] DFS IV [x] DFS V [ ] OTHER
- [x] 9 TRACK [ ] 21 TRACK
- FORMAT: SEG B
- [x] GAPPED [ ] UNGAPPED
- PACKING DENSITY: (LO) [ ] 356 BPI [ ] 800 BPI (HI) [ ] 712 BPI [x] 1600 BPI
- NO. BYTES IN HEADER REC:
- NO. BYTES IN RECORD ID:
- NO. BYTES PER SCAN:
- RECORD NUMBERS: [x] DEC. [ ] OCT
- GAIN CONSTANT: 36 db
- INPUT IMPEDANCE: ohms.

CONFIGURATION (MAG TAPE)
- FIELD TRACE NOS: 1-48
- DATA CHANNEL NOS.: 1-48 (ON MAG TAPE)
- AUXILIARY DATA: (1) (2) (3) (4) (5) (6) (7)
- AUXILIARY CHANNEL NOS:

PARAMETER
- RECORD LENGTH: 5 sec.
- SAMPLE RATE: [ ] 1 ms. [ ] 4 ms. [x] 2 ms. [ ] ms.
- GAIN MODE: [x] IFP [ ] INITIAL [ ] FINAL [ ] MANUAL [ ] OPERATE
- FILTERS: FREQ. 8 LO CUT HZ SLOPE 18 FREQ. 128 HI CUT HZ SLOPE 70
- NOTCH FILTER: [ ] IN [x] OUT

DISPLAY
- MODE: [x] AGC [ ] FLOAT [ ] DEFLOAT [ ] AMPLIFIER [ ] DIRECT
- INITIAL GAIN: 18 db
- TRIP SENS: 0 db
- POLARITY CONVENTION:
- PRESSURE INCREASE ON GEOPHONE: [ ] NEGATIVE [ ] POSITIVE } NUMBERS ON ON MAG. TAPE
- [ ] DOWNBREAK [ ] UPBREAK } ON DISPLAY

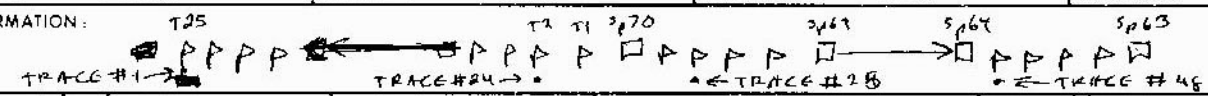
CFS I
- TYPE STACK:
- GATE LENGTH:
- RECORD REJECTION:
- NOISE REDUCTION:
- NOISE THRESHOLD:
- CORR. SCALING:
- R.C.U. NORM/ALT SW.

SOURCE
- TYPE: [x] DYNAMITE [ ] VIBROSEIS [x] OTHER
- PATTERN: Single Hole Inline
- CHG/HOLE: 20
- HOLE DEPTH: 67/75
- NO. OF POSITIONS:
- SWEEP POSITION:
- INLINE SPACING:
- SWEEP START:
- LATERAL SPACING:
- SWEEP END:
- STAGGER:
- SWEEP LENGTH:
- LENGTH:
- SWEEP TAPER:
- WIDTH:
- PHASE COMP:
- LATERAL OFFSET:

RECEIVER
- TYPE: GSC-20D
- CONNECTION: Series-Parallel
- PATTERN: Inline
- RESISTANCE: ohms
- NO. OF ELEMENTS: 18
- STAGGER:
- INLINE SPACING: 18
- LENGTH:
- LATERAL SPACING:
- WIDTH:
- LATERAL OFFSET:

SPREAD
- NO. OF GROUPS: 48
- OFFSET GROUP 1: 5390
- GROUP INTERVAL: 220'
- OFFSET GROUP 24: 330
- SHOTPOINT INTERVAL: 880'
- OFFSET GROUP 25: 330'
- FOLD: 6
- OFFSET GROUP 48/96: 5390'
- DIRECTION OF PROGRESSION: N to S
- LEADING GROUP: 48

DIAGRAMS/MISC. INFORMATION:



SHOTPOINT	RPT.	TR. 1 to 48 REEL NO.	REC.	TR. to REEL NO.	REC.	SHOT SIZE	DEPTH	NO.	OFFSET	DIR.	SPREAD CDP SWITCH	LINE GROUPS	SET UP	REMARKS: File #8085 Dummy Record File #8086 → 8098	CORR. STACK TR 1-48 HT.	REC.	TR 48-96 HT.	REC.
1 5 70	6	7 12 751727	13 16 8104	17 22	23 26	27 29 20	30 32 67	1	35 37 220	N	12	T25 → Sp63+4	1	File # 8099 → 8103 TTB [redacted] 0842				

CHANGE to Mud Gun

LAND SEISMIC RECORDING LOG

Page 1

CLIENT: Husky	PROSPECT: NPR-A	AREA: Barrow Area	LINE NO: B-17
PARTY NO: 1182	INST. ENG:		DATE: MO 4 DAY 2 YR 78

INSTRUMENT (9-TRACK)
☒ 1 SYSTEM ☐ 2 SYSTEMS | ☒ 1-24 & 25-48 ☐ 1-48 & 49-96 | ODDS & ☒ EVENS | TYPE: ☐ DFS III ☐ DFS IV ☒ DFS V ☐ OTHER | ☒ 9 TRACK ☐ 21 TRACK | FORMAT: SEG B | ☐ GAPPED ☐ UNGAPPED | PACKING DENSITY: (LO) ☐ 356 BPI ☐ 800 BPI (HI) ☐ 712 BPI ☒ 1600 BPI
NO. BYTES IN HEADER REC: | NO. BYTES IN RECORD ID: | NO. BYTES PER SCAN: | RECORD NUMBERS: ☒ DEC. ☐ OCT | GAIN CONSTANT: 36 db | INPUT IMPEDANCE: ohms.

CONFIGURATION (MAG TAPE)
FIELD TRACE NOS.: 1-48
DATA CHANNEL NOS.: 1-48 (ON MAG TAPE)
AUXILIARY DATA: (1) (2) (3) (4) (5) (6) (7)
AUXILIARY CHANNEL NOS.:

PARAMETER
RECORD LENGTH: 5 sec. | SAMPLE RATE: ☐ 1 ms. ☐ 4 ms. ☒ 2 ms. ☐ ___ ms. | GAIN MODE: ☒ FP ☐ INITIAL ☐ FINAL ☐ MANUAL ☐ OPERATE | FILTERS: FREQ. 8 LO CUT HZ SLOPE 18 FREQ. 125 HI CUT HZ SLOPE 70 | NOTCH FILTER: ☐ IN ☒ OUT

DISPLAY
MODE: ☒ AGC ☐ FLOAT ☐ DEFLOAT ☐ AMPLIFIER ☐ DIRECT | INITIAL GAIN: 18 db | TRIP SENS: 6 db | POLARITY CONVENTION: | PRESSURE INCREASE ON GEOPHONE: ☐ NEGATIVE ☐ POSITIVE } NUMBERS ON MAG TAPE ☐ DOWNBREAK ☐ UPBREAK } ON DISPLAY

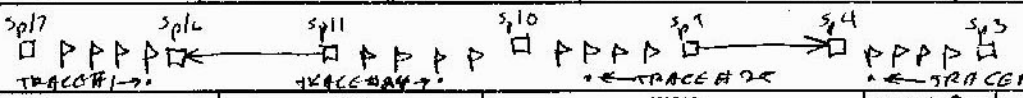
CFS I
TYPE STACK: | GATE LENGTH: | RECORD REJECTION: | NOISE REDUCTION: | NOISE THRESHOLD: | CORR. SCALING: | R.C.U. NORM/ALT SW.

SOURCE
TYPE: ☒ DYNAMITE ☐ VIBROSEIS ☐ OTHER | PATTERN: Inline-single hole | NO. OF POSITIONS: | INLINE SPACING: | LATERAL SPACING: | STAGGER: | LENGTH: | WIDTH: | LATERAL OFFSET:
CHG/HOLE: 20 | HOLE DEPTH: 67/28 | SWEEP POSITION: | SWEEP START: | SWEEP END: | SWEEP LENGTH: | SWEEP TAPER: | PHASE COMP:

RECEIVER
TYPE: GSC-20D | PATTERN: Inline | NO. OF ELEMENTS: 18 | INLINE SPACING: 18 | LATERAL SPACING:
CONNECTION: Series-parallel | RESISTANCE: ohms | STAGGER: | LENGTH: | WIDTH: | LATERAL OFFSET:

SPREAD
NO. OF GROUPS: 48 | GROUP INTERVAL: 220' | SHOTPOINT INTERVAL: 880' | FOLD: 6 | DIRECTION OF PROGRESSION: N to S
OFFSET GROUP 1: 5390' | OFFSET GROUP 24: 330' | OFFSET GROUP 25: 330' | OFFSET GROUP 48: 5390' | LEADING GROUP: 48

DIAGRAMS/MISC. INFORMATION:



SHOTPOINT	TR ___ to ___ REEL NO.	REC.	TR ___ to ___ REEL NO.	REC.	SHOT SIZE	DEPTH	NO.	OFFSET	DIR	CDP SWITCH	SPREAD LINE GROUPS	SET UP	REMARKS: Daily tests #853 → 8548 File #8549 → 8551 TTB		CORR. STACK TR 1-48 HT.	REC.	TR 48-96 HT.	REC.
10	7517	8552			20	67	1			48	16+1 → 3+4	1	File #8553 → 8558 TTB	0825				
9		8559			20	67	2			52	15+1 → 2+4			0944				
8		8560			20	67	3			56	14+1 → 1+4			0952				
7		8561			20	67	4			60	13+1 → T1			0959				
6		8562			20	67	5			64	12+1 → T5			1007				
5		8564			20	67	6			68	11+1 → T9		File #8563 misfire	1016				
4		8565			20	67	7			72	10+1 → T13			1026				
3		8566			20	67	8			76	9+1 → T17			1032				
2		8567			20	67	9			80	8+1 → T21			1038				
1		8568			20	67	10			84	7+1 → T25			1045				

13.5 Hours

LAND SEISMIC RECORDING LOG

Pg 2

CLIENT: Husky	PROSPECT: NPR-A	AREA: Barrow Area	LINE NO: B-17
PARTY NO: 1182	INST. ENG:	Left Camp 0700 Left the 12 Arrive field 0742 Arrive Camp	DATE: MO 4 DAY 1 YR 78

INSTRUMENT (9-TRACK): ☒ 1 SYSTEM ☐ 2 SYSTEMS; ☒ 1-24 & 25-48 ☐ 1-48 & 49-96; ☒ ODDS & EVENS; TYPE: ☐ DFS III ☐ DFS IV ☒ DFS V ☐ OTHER; ☒ 9 TRACK ☐ 21 TRACK; FORMAT: SEG B; ☒ GAPPED ☐ UNGAPPED; PACKING DENSITY: (LO) ☐ 556 BPI ☐ 800 BPI (HI) ☐ 712 BPI ☒ 1600 BPI

NO. BYTES IN HEADER REC: ; NO. BYTES IN RECORD ID: ; NO. BYTES PER SCAN: ; RECORD NUMBERS: ☒ DEC. ☐ OCT (1) (2) (3) (4) (5) (6) (7); GAIN CONSTANT: 36 db; INPUT IMPEDANCE: ohms

CONFIGURATION (MAG TAPE): FIELD TRACE NOS.: 1-48; DATA CHANNEL NOS.: 1-48 (ON MAG TAPE); AUXILIARY DATA: ; AUXILIARY CHANNEL NOS.:

PARAMETER: RECORD LENGTH: 3 sec; SAMPLE RATE: ☐ 1 ms. ☐ 4 ms. ☒ 2 ms. ☐ ms.; GAIN MODE: ☒ FIP ☐ INITIAL ☐ FINAL ☐ MANUAL ☐ OPERATE; FILTERS: FREQ. 8 LO CUT HZ SLOPE 18; FREQ. 128 HI CUT HZ SLOPE 70; NOTCH FILTER: ☐ IN ☒ OUT

DISPLAY: MODE: ☒ AGC ☐ FLOAT ☐ DEFLOAT ☐ AMPLIFIER ☐ DIRECT; INITIAL GAIN: 36 db; TRIP SENS: 0 db; POLARITY CONVENTION: ; PRESSURE INCREASE ON GEOPHONE: ☐ NEGATIVE ☐ POSITIVE } NUMBERS ON MAG. TAPE; ☐ DOWNBREAK ☐ UPBREAK } ON DISPLAY

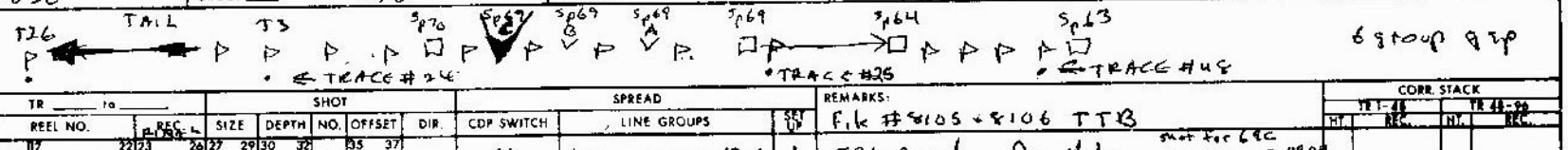
CFS I: TYPE STACK: ; GATE LENGTH: ; RECORD REJECTION: ; NOISE REDUCTION: ; NOISE THRESHOLD: ; CORR. SCALING: ; A.C.U. NORM./ALT SW.

SOURCE: TYPE: ☐ DYNAMITE ☐ VIBROSEIS ☒ OTHER Mud Gun; PATTERN: Inline; NO. OF POSITIONS: ; INLINE SPACING: ; LATERAL SPACING: ; STAGGER: ; LENGTH: ; WIDTH: ; LATERAL OFFSET: ; CHG/HOLE: 4 oz/Hole; HOLE DEPTH: ; SWEEP POSITION: ; SWEEP START: ; SWEEP END: ; SWEEP LENGTH: ; SWEEP TAPER: ; PHASE COMP.:

RECEIVER: TYPE: GSC-20D; PATTERN: Inline; NO. OF ELEMENTS: 18*; INLINE SPACING: 18; LATERAL SPACING: ; CONNECTION: series parallel; RESISTANCE: ohms; STAGGER: ; LENGTH: ; WIDTH: ; LATERAL OFFSET:

SPREAD: NO. OF GROUPS: 48; GROUP INTERVAL: 220'; SHOTPOINT INTERVAL: 220'; FOLD: 24; DIRECTION OF PROGRESSION: N to S; OFFSET GROUP 1: 5830; OFFSET GROUP 24: 770'; OFFSET GROUP 25: 770'; OFFSET GROUP 48/96: 5830'; LEADING GROUP: 48

DIAGRAMS/MISC. INFORMATION:



SHOTPOINT	RPT.	TR. 1 to 48 REEL NO.	REC.	TR ___ to ___ REEL NO.	REC.	SHOT SIZE	DEPTH	NO.	OFFSET	DIR.	CDP SWITCH	SPREAD LINE GROUPS	SET UP	REMARKS: File #8105 + 8106 TTB	CORR. STACK TR 1-48 HT.	REC.	TR 49-96 HT.	REC.
70		7 5 1 7 2 7	8107		8110			2			11	T26 → Sp 62+1	1	T26 Dead Dry Hole shot for GSC wrong CDP 0904				
69C			8111		8114			3			12	T25 → Sp 62+4		Dry Hole shot for GSC wrong CDP				
69B			8116		8119			4			13	T25 → Sp 62+3		File # 8115 NG Dry Hole				
69A			8120		8123			5			14	T24 → Sp 62+3		Dry Hole				
68			8124		8127			6			15	T23 → Sp 62+2		Dry Hole 0926				
68C			8128		8131			7			16	T22 → Sp 62+1						
68B			8132	8133 8135	8136			8			17	T21 → Sp 61+4		File # 8134 prob. NG				
68A			8137		8140			9			18	T20 → Sp 61+3		~~File # 8142~~				
68			8141	8144	8146			10			19	T19 → Sp 61+2		File #8142 8143 NG 0942				
67C			8147		8150			11			20	T18 → Sp 61+1						
67B			8151		8154			12			21	T17 → Sp 60+4						
67A			8155		8158			13			22	T16 → Sp 60+3						
67			8159		8162			14			23	T15 → Sp 60+2		1001				
66C			8163	8164 8166	8169			15			24	T14 → Sp 60+1		File #8165-8167				
66B			8170		8173			16			25	T13 → Sp 59+4						
66A			8174		8177			17			26	T12 → Sp 59+3						
66			8178		8181			18			27	T11 → Sp 59+2		1016				
65C			8182		8185			19			28	T10 → Sp 59+1						
65B			8186	8187 8189	8190			20			29	T9 → Sp 58+4		File # 8188 prob. NG				
65A			8191		8194			21				T8 → Sp 58+3						

LAND SEISMIC RECORDING LOG

Pg 3

CLIENT: Husky	PROSPECT: NPR-A	AREA: Barrow Area	LINE NO: B-17
PARTY NO: 1182	INST. ENG:		DATE: MO 4 DAY 1 YR 78

INSTRUMENT (9-TRACK)

☒ 1 SYSTEM ☐ 2 SYSTEMS | ☒ 1-24 & 25-48 ☐ 1-48 & 49-96 | ☒ ODDS & EVENS | TYPE: ☐ DFS III ☐ DFS IV ☒ DFS V ☐ OTHER ____ | ☒ 9 TRACK ☐ 21 TRACK | FORMAT: SEG B | ☒ GAPPED ☐ UNGAPPED | PACKING DENSITY: (LO) ☐ 356 BPI ☐ 800 BPI (HI) ☐ 712 BPI ☒ 1600 BPI

NO. BYTES IN HEADER REC: ____ NO. BYTES IN RECORD ID: ____ NO. BYTES PER SCAN: ____ RECORD NUMBERS: ☒ DEC. ☐ OCT. GAIN CONSTANT: 36 db INPUT IMPEDANCE: ____ ohms.

CONFIGURATION (MAG TAPE)

FIELD TRACE NOS.: 1-48 (1) (2) (3) (4) (5) (6) (7)
DATA CHANNEL NOS.: 1-48 (ON MAG TAPE)
AUXILIARY DATA: ____
AUXILIARY CHANNEL NOS.: ____

PARAMETER

RECORD LENGTH: 3 sec. SAMPLE RATE: ☐ 1 ms. ☐ 4 ms. ☐ 2 ms. ☐ ____ ms. GAIN MODE: ☐ INITIAL ☐ MANUAL ☐ IFP ☐ FINAL ☐ OPERATE FILTERS: FREQ. 8 LO CUT HZ SLOPE 18 FREQ. 128 HI CUT HZ SLOPE 72 NOTCH FILTER: ☐ IN ☒ OUT

DISPLAY

MODE: ☒ AGC ☐ FLOAT ☐ DEFLOAT ☐ AMPLIFIER ☐ DIRECT INITIAL GAIN: 36 db TRIP SENS: 0 db POLARITY CONVENTION: PRESSURE INCREASE ON GEOPHONE: ☐ NEGATIVE ☐ POSITIVE } NUMBERS ON MAG. TAPE ☐ DOWNBREAK ☐ UPBREAK } ON DISPLAY

CFS I

TYPE STACK: GATE LENGTH: RECORD REJECTION: NOISE REDUCTION: NOISE THRESHOLD: CORR. SCALING: R.C.U. NORM/ALT SW.

SOURCE

TYPE: ☐ DYNAMITE ☐ VIBROSEIS ☒ OTHER Mud Gun PATTERN: Inline NO. OF POSITIONS: INLINE SPACING: LATERAL SPACING: STAGGER: LENGTH: WIDTH: LATERAL OFFSET:
CHG/HOLE: Pop/Hole HOLE DEPTH: SWEEP POSITION: SWEEP START: SWEEP END: SWEEP LENGTH: SWEEP TAPER: PHASE COMP:

RECEIVER

TYPE: GSC-20p PATTERN: Inline NO. OF ELEMENTS: 18 INLINE SPACING: 18 LATERAL SPACING:
CONNECTION: Series-parallel RESISTANCE: ____ ohms STAGGER: LENGTH: WIDTH: LATERAL OFFSET:

SPREAD

NO. OF GROUPS: 48 GROUP INTERVAL: 220' SHOTPOINT INTERVAL: 220' FOLD: 24 DIRECTION OF PROGRESSION: N to S
OFFSET GROUP 1: 5830' OFFSET GROUP 24: 220' OFFSET GROUP 25: 220' OFFSET GROUP 48/96: 5830' LEADING GROUP: 48

DIAGRAMS/MISC. INFORMATION:

SHOTPOINT	REC.	TR. 1 to 48 REEL NO.	REC.	TR ____ to ____ REEL NO.	REC.	SHOT SIZE	DEPTH	NO.	OFFSET	DIR.	SPREAD CDP SWITCH	LINE GROUPS 48	SET UP	REMARKS	CORR. STACK TR 1-48 HY.	REC.	TR 49-96 HY.	REC.
65		7517227	8196		8198			22			30	T7 → Sp58+2	1	1029				
64C			8199		8202			23			31	T6 → Sp58+1						
64B			8203		8206			24			32	T5 → Sp57+4						
64A			8207	8208 8211 12				25			33	T4 → Sp57+3		File# 8209 8210, 8211 NG 3pp				
64			8213		8216			26			34	T3 → Sp57+2		1041				
63C			8217		8230			27			35	T2 → Sp57+1						
63B			8221		8224			28			36	T1 → Sp56+4						
63A			8225		8228			29			37	Sp69+4 → Sp56+3						
63			8229		8232			30			38	69+3 → 56+2		1057				
62C			8234		8237			31			39	69+2 → 56+1		File# 8233 NG				
62B			8238		8241			32			40	69+1 → 55+4						
62A			8242		8245			33			41	68+4 → 55+3						
62			8246		8249			34			42	68+3 → 55+2		1111				
61C			8250		8253			35			43	68+2 → 55+1						
61B			8254		8257			36			44	68+1 → 54+4						
61A			8258	8260 →	8262			37			45	67+4 → 54+3		File # 8259				
61			8263		8266			38			46	67+3 → 54+2		8267NG 1121				
60C			8268		8271			39			47	67+2 → 54+1						
60B			8272		8276			40			48	67+1 → 53+4		8272NG				
60A			8277		8280			41			49	66+4 → 53+3						

LAND SEISMIC RECORDING LOG

Pg 4

CLIENT: Husky	PROSPECT: NPR-A	AREA: Barrow Area	LINE NO: B-17
PARTY NO: 1187	INST. ENG:		DATE: MO 4 DAY 1 YR 78

INSTRUMENT (9-TRACK): ☒ 1 SYSTEM ☐ 2 SYSTEMS; ☒ 1-24 & 25-48 ☐ 1-48 & 49-96; ☒ ODDS ☐ EVENS; TYPE: ☐ DFS III ☐ DFS IV ☒ DFS V ☐ OTHER; ☒ 9 TRACK ☐ 21 TRACK; FORMAT: SEG B; ☒ GAPPED ☐ UNGAPPED; PACKING DENSITY: (LO) ☐ 356 BPI ☐ 800 BPI (HI) ☐ 712 BPI ☒ 1600 BPI

NO. BYTES IN HEADER REC: ; NO. BYTES IN RECORD ID: ; NO. BYTES PER SCAN: ; RECORD NUMBERS: ☒ DEC. ☐ OCT.; GAIN CONSTANT: 36 db; INPUT IMPEDANCE: ohms.

CONFIGURATION (MAG TAPE): FIELD TRACE NOS.: 1-48; DATA CHANNEL NOS.: 1-48 (ON MAG TAPE); AUXILIARY DATA: (1) (2) (3) (4) (5) (6) (7); AUXILIARY CHANNEL NOS.:

PARAMETER: RECORD LENGTH: 3 sec.; SAMPLE RATE: ☐ 1 ms. ☐ 4 ms. ☒ 2 ms. ☐ ms.; GAIN MODE: ☒ IFP ☐ INITIAL ☐ FINAL ☐ MANUAL ☐ OPERATE; FILTERS: FREQ. 8; LO CUT HZ SLOPE 18; FREQ. 125; HI CUT HZ SLOPE 70; NOTCH FILTER: ☐ IN ☒ OUT

DISPLAY: MODE: ☒ AGC ☐ FLOAT ☐ DEFLOAT ☐ AMPLIFIER ☐ DIRECT; INITIAL GAIN: 30 db; TRIP SENS: 0 db; POLARITY CONVENTION: ; PRESSURE INCREASE ON GEOPHONE: ☐ NEGATIVE ☐ POSITIVE } NUMBERS ON MAG TAPE; ☐ DOWNBREAK ☐ UPBREAK } ON DISPLAY

CFS I: TYPE STACK: ; GATE LENGTH: ; RECORD REJECTION: ; NOISE REDUCTION: ; NOISE THRESHOLD: ; CORR. SCALING: ; R.C.U. NORM./ALT SW.

SOURCE: TYPE: ☐ DYNAMITE ☐ VIBROSEIS ☒ OTHER Mud Gun; PATTERN: Inline; NO. OF POSITIONS: ; INLINE SPACING: ; LATERAL SPACING: ; STAGGER: ; LENGTH: ; WIDTH: ; LATERAL OFFSET: ; CHG/HOLE: 4 pops/hole; HOLE DEPTH: ; SWEEP POSITION: ; SWEEP START: ; SWEEP END: ; SWEEP LENGTH: ; SWEEP TAPER: ; PHASE COMP:

RECEIVER: TYPE: GSC-200; PATTERN: Inline; NO. OF ELEMENTS: 18; INLINE SPACING: 48; LATERAL SPACING: ; CONNECTION: series-parallel; RESISTANCE: ohms; STAGGER: ; LENGTH: ; WIDTH: ; LATERAL OFFSET:

SPREAD: NO. OF GROUPS: 48; GROUP INTERVAL: 220'; SHOTPOINT INTERVAL: 220'; FOLD: 24; DIRECTION OF PROGRESSION: N to S; OFFSET GROUP 1: 5830; OFFSET GROUP 24: 770'; OFFSET GROUP 25: 770'; OFFSET GROUP 48/: 5830'; LEADING GROUP: 48

DIAGRAMS/MISC. INFORMATION:

SHOTPOINT	REV.	TR. 1 to 48 REEL NO.	REC.	TR ___ to ___ REEL NO.	REC.	SHOT SIZE	DEPTH	NO.	OFFSET	DIR.	CDP SWITCH	LINE GROUPS 48	SET UP	REMARKS:	CORR. STACK TR 1-48 HT.	REC.	TR 49-96 HT.	REC.
60		75,172	82,813		82,814			42			50	66+3 → 53+2	1	1137				
59C			82,85		82,88			43			51	66+2 → 53+1						
59B			82,89		82,92			44			52	66+1 → 52+4						
59A		75,172	82,95		82,98			45			53	65+4 → 52+3		File #5293, 5294 Pumping Arrested				
59			82,99		83,02			46			54	65+3 → 52+2		1201				
58C			83,03		83,06			47			55	65+2 → 52+1						
58B			83,07		83,10			48			56	65+1 → 51+4						
58A			83,11		83,14			49			57	64+4 → 51+3						
58			83,15		83,18			50			58	64+3 → 51+2		1217				
57C			83,19		83,22			51			59	64+2 → 51+1						
57B			83,23		83,26			52			60	64+1 → 50+4						
57A			83,27		83,30			53			61	63+4 → 50+3						
57			83,31		83,34			54			62	63+3 → 50+2		1228				
56C			83,35		83,38			55			63	63+2 → 50+1						
56B			83,39		83,42			56			64	63+1 → 49+4						
56A			83,43		83,46			57			65	62+4 → 49+3						
56			83,47		83,50			58			66	62+3 → 49+2		1240				
55C			83,51		83,54			59			67	62+2 → 49+1						
55B			83,55		83,58			60			68	62+1 → 48+4						
55A			83,59		83,62			61			69	61+4 → 48+3						

LAND SEISMIC RECORDING LOG

Pg 5

CLIENT: Husky | PROSPECT: NPR-A | AREA: Barrow Area | LINE NO: B-17

PARTY NO: 1182 | INST. ENG: | DATE: MO 4 DAY 1 YR 78

INSTRUMENT (9-TRACK): [X] 1 SYSTEM [ ] 2 SYSTEMS | [X] 1-24 & 25-48 [ ] 1-48 & 49-96 | [X] ODDS & EVENS | TYPE: [ ] DFS III [ ] DFS IV [X] DFS V [ ] OTHER | [X] 9 TRACK [ ] 21 TRACK | FORMAT: SEG B | [X] GAPPED [ ] UNGAPPED | PACKING DENSITY: (LO) [ ] 356 BPI [ ] 800 BPI (HI) [ ] 712 BPI [X] 1600 BPI

NO. BYTES IN HEADER REC: | NO. BYTES IN RECORD ID: | NO. BYTES PER SCAN: | RECORD NUMBERS: [X] DEC. [ ] OCT. | GAIN CONSTANT: 36 db | INPUT IMPEDANCE: ohms.

CONFIGURATION (MAG TAPE): FIELD TRACE NOS: 1-48 | DATA CHANNEL NOS.: 1-48 (ON MAG TAPE) | AUXILIARY DATA: | AUXILIARY CHANNEL NOS.:

PARAMETER: RECORD LENGTH: 3 sec. | SAMPLE RATE: [ ] 1 ms. [ ] 4 ms. [X] 2 ms. [ ] ms. | GAIN MODE: [ ] IFP [ ] INITIAL [ ] FINAL [ ] MANUAL [ ] OPERATE | FILTERS: FREQ. 8 LO CUT HZ SLOPE 18 FREQ. 125 HI CUT HZ SLOPE 70 | NOTCH FILTER: [ ] IN [X] OUT

DISPLAY: MODE: [X] AGC [ ] FLOAT [ ] DEFLOAT [ ] AMPLIFIER [ ] DIRECT | INITIAL GAIN: 36 db | TRIP SENS: 6 db | POLARITY CONVENTION: | PRESSURE INCREASE ON GEOPHONE: [ ] NEGATIVE [ ] POSITIVE | NUMBERS ON MAG. TAPE [ ] DOWNBREAK [ ] UPBREAK ON DISPLAY

CFS I: TYPE STACK: | GATE LENGTH: | RECORD REJECTION: | NOISE REDUCTION: | NOISE THRESHOLD: | CORR. SCALING: | P.C.U. NORM/ALT SW.

SOURCE: TYPE: [ ] DYNAMITE [ ] VIBROSEIS [X] OTHER Mud Gun | PATTERN: | NO. OF POSITIONS: | INLINE SPACING: | LATERAL SPACING: | STAGGER: | LENGTH: | WIDTH: | LATERAL OFFSET: | CHG/HOLE: | HOLE DEPTH: | SWEEP POSITION: | SWEEP START: | SWEEP END: | SWEEP LENGTH: | SWEEP TAPER: | PHASE COMP.:

RECEIVER: TYPE: GSC-20D | PATTERN: Inline | NO. OF ELEMENTS: 15 | INLINE SPACING: 18 | LATERAL SPACING: | CONNECTION: series-parallel | RESISTANCE: ohms | STAGGER: | LENGTH: | WIDTH: | LATERAL OFFSET:

SPREAD: NO. OF GROUPS: 48 | GROUP INTERVAL: 220' | SHOTPOINT INTERVAL: 220' | FOLD: 24 | DIRECTION OF PROGRESSION: N to S | OFFSET GROUP 1: 5830' | OFFSET GROUP 24: 220' | OFFSET GROUP 25: 220' | OFFSET GROUP 48/[illegible]: 5830' | LEADING GROUP: 48

DIAGRAMS/MISC. INFORMATION:

SHOTPOINT	TR. 1 to 48 REEL NO.	REC.	TR. ___ to ___ REEL NO.	REC.	SHOT SIZE	DEPTH	NO.	OFFSET	DIR.	CDP SWITCH	SPREAD LINE GROUPS 48	SET UP	REMARKS	CORR. STACK TR 1-48 HT.	REC.	TR 48-96 HT.	REC.
55	75,72,80,83			8366			62			70	61+3 → 48+2	1	1251				
54C		8367		8370			63			71	61+2 → 48+1						
54B		8371		8374			64			72	61+1 → 47+4						
54A		8375		8378			65			73	60+4 → 47+3						
54		8379		8382			66			74	60+3 → 47+2		1302				
53C		8383		8386			67			75	60+2 → 47+1						
53B		8387		8390			68			76	60+1 → 46+4						
53A		8391		8394			69			77	59+4 → 46+3						
53		8395		8398			70			[redacted]	59+3 → 46+2		1314				
52C		8402	8404,8406	8407			71			7	59+2 → 46+1	2	Move Up 1401 File H 8399 → 8401, 8403, 8405 No				
52B		8408		8411			72			8	59+1 → 45+4						
52A		8412		8415			73			9	58+4 → 45+3						
52		8416		8419			74			10	58+3 → 45+2		1415				
51C		8420		8423			75			11	58+2 → 45+1						
51B		8424		8427			76			12	58+1 → 44+4						
51A		8428		8431			77			13	57+4 → 44+3						
51		8432		8435			78			14	57+3 → 44+2		1424				
50C		8436	8438 →	8440			79			15	57+2 → 44+1		8437 parity NG				
50B		8441		8444			80			16	57+1 → 43+4						
50A		8445	8447,8448	8449			81			17	56+4 → 43+3		Out Hole File #-8441 NG				

LAND SEISMIC RECORDING LOG

Pg 6

CLIENT: Husky	PROSPECT: NPR-A	AREA: Barrow Area	LINE NO: B-17
PARTY NO: 1182	INST. ENG:		DATE: MO 4 DAY 1 YR 78

INSTRUMENT (9-TRACK)
- [x] 1 SYSTEM [ ] 2 SYSTEMS
- [x] 1-24 & 25-48 [ ] 1-48 & 49-96
- [x] ODDS & EVENS
- TYPE: [ ] DFS III [ ] DFS IV [x] DFS V [ ] OTHER
- [x] 9 TRACK [ ] 21 TRACK
- FORMAT: SEG B
- [x] GAPPED [ ] UNGAPPED
- PACKING DENSITY: (LO) [ ] 356 BPI [ ] 800 BPI (HI) [ ] 712 BPI [x] 1600 BPI
- NO. BYTES IN HEADER REC.:
- NO. BYTES IN RECORD ID:
- NO. BYTES PER SCAN:
- RECORD NUMBERS: [x] DEC. [ ] OCT
- GAIN CONSTANT: 36 db
- INPUT IMPEDANCE: ohms.

CONFIGURATION (MAG TAPE)
- FIELD TRACE NOS.: 1-48
- DATA CHANNEL NOS.: 1-48 (ON MAG TAPE)
- AUXILIARY DATA: (1) (2) (3) (4) (5) (6) (7)
- AUXILIARY CHANNEL NOS.:

PARAMETER
- RECORD LENGTH: 3 sec.
- SAMPLE RATE: [ ] 1 ms. [ ] 4 ms. [x] 2 ms. [ ] ms.
- GAIN MODE: [x] IFP [ ] INITIAL [ ] FINAL [ ] MANUAL [ ] OPERATE
- FILTERS: FREQ. 8 LO CUT HZ SLOPE 18 FREQ. 128 HI CUT HZ SLOPE 70
- NOTCH FILTER: [ ] IN [x] OUT

DISPLAY
- MODE: [x] AGC [ ] FLOAT [ ] DEFLOAT [ ] AMPLIFIER [ ] DIRECT
- INITIAL GAIN: 30 db
- TRIP SENS: 0 db
- POLARITY CONVENTION:
- PRESSURE INCREASE ON GEOPHONE: [ ] NEGATIVE [ ] POSITIVE } NUMBERS ON ON MAG. TAPE [ ] DOWNBREAK [ ] UPBREAK } ON DISPLAY

CFS I
- TYPE STACK:
- GATE LENGTH:
- RECORD REJECTION:
- NOISE REDUCTION:
- NOISE THRESHOLD:
- CORR. SCALING:
- R.C.U. NORM/ALT SW.

SOURCE
- TYPE: [ ] DYNAMITE [ ] VIBROSEIS [x] OTHER Mud Gun
- PATTERN:
- NO. OF POSITIONS:
- INLINE SPACING:
- LATERAL SPACING:
- STAGGER:
- LENGTH:
- WIDTH:
- LATERAL OFFSET:
- CHG/HOLE:
- HOLE DEPTH:
- SWEEP POSITION:
- SWEEP START:
- SWEEP END:
- SWEEP LENGTH:
- SWEEP TAPER:
- PHASE COMP:

RECEIVER
- TYPE: GSC-200
- PATTERN: Inline
- NO. OF ELEMENTS: 18
- INLINE SPACING: 18
- LATERAL SPACING:
- CONNECTION: series parallel
- RESISTANCE: ohms
- STAGGER:
- LENGTH:
- WIDTH:
- LATERAL OFFSET:

SPREAD
- NO. OF GROUPS: 48
- GROUP INTERVAL: 220
- SHOTPOINT INTERVAL: 220
- FOLD: 24
- DIRECTION OF PROGRESSION: N to S
- OFFSET GROUP 1: 5830'
- OFFSET GROUP 24: 770'
- OFFSET GROUP 25: 770'
- OFFSET GROUP 48/96: 5830'
- LEADING GROUP: 48

DIAGRAMS/MISC. INFORMATION:

SHOTPOINT	RPT	TR. 1 to 48 REEL NO.	REC.	TR ___ to ___ REEL NO.	REC.	SHOT SIZE	DEPTH	NO.	OFFSET	DIR.	SPREAD CDP SWITCH	LINE GROUPS 48	SET UP	REMARKS:	CORR. STACK TR 1-48 HT.	REC.	TR 48-96 HT.	REC.
50		751728	8450		8453			82			18	56+3 → 43+2	2	Dry 1435				
49	C		8454		8457			83			19	56+2 → 43+1		Dry				
49	B		8458		8461			84			20	56+1 → 42+4		Dry				
49	A		8462		8465			85			21	55+4 → 42+3		Dry				

Change to TNT

LAND SEISMIC RECORDING LOG

Pg 7

CLIENT:	Husky
PROSPECT:	NPR-A
AREA:	Barrow Area
LINE NO:	B-17
PARTY NO:	1182
INST. ENG:	
DATE:	MO 4 DAY 1 YR 78

INSTRUMENT (9-TRACK): [X] 1 SYSTEM [ ] 2 SYSTEMS; [X] 1-24 & 25-48 [ ] 1-48 & 49-96; [X] ODDS & EVENS; TYPE: [ ] DFS III [ ] DFS IV [X] DFS V [ ] OTHER; [X] 9 TRACK [ ] 21 TRACK; FORMAT: SEG B; [X] GAPPED [ ] UNGAPPED; PACKING DENSITY: (LO) [ ] 556 BPI [ ] 800 BPI (HI) [ ] 712 BPI [X] 1600 BPI

NO. BYTES IN HEADER REC: ; NO. BYTES IN RECORD ID: ; NO. BYTES PER SCAN: ; RECORD NUMBERS: [X] DEC. [ ] OCT; GAIN CONSTANT: 36 db; INPUT IMPEDANCE: ohms.

CONFIGURATION (MAG TAPE): FIELD TRACE NOS.: 1-48; DATA CHANNEL NOS.: 1-48 (ON MAG TAPE); AUXILIARY DATA: (1) (2) (3) (4) (5) (6) (7); AUXILIARY CHANNEL NOS.:

PARAMETER: RECORD LENGTH: 5 sec.; SAMPLE RATE: [ ] 1 ms. [ ] 4 ms. [X] 2 ms. [ ] ms.; GAIN MODE: [X] FIP [ ] INITIAL [ ] FINAL [ ] MANUAL [ ] OPERATE; FILTERS: FREQ. 8; LO CUT HZ SLOPE 18; FREQ. 125; HI CUT HZ SLOPE 76; NOTCH FILTER: [ ] IN [X] OUT

DISPLAY: MODE: [X] AGC [ ] FLOAT [ ] DEFLOAT [ ] AMPLIFIER [ ] DIRECT; INITIAL GAIN: 18 db; TRIP SENS: 5 db; POLARITY CONVENTION: ; PRESSURE INCREASE ON GEOPHONE: [ ] NEGATIVE [ ] POSITIVE; NUMBERS ON MAG. TAPE: [ ] DOWNBREAK [ ] UPBREAK; ON DISPLAY

CFS I: TYPE STACK: ; GATE LENGTH: ; RECORD REJECTION: ; NOISE REDUCTION: ; NOISE THRESHOLD: ; CORR. SCALING: ; R.C.U. NORM/ALT SW.

SOURCE: TYPE: [X] DYNAMITE [ ] VIBROSEIS [ ] OTHER; PATTERN: Inline - single Hole; NO. OF POSITIONS: ; INLINE SPACING: ; LATERAL SPACING: ; STAGGER: ; LENGTH: ; WIDTH: ; LATERAL OFFSET: ; CHG/HOLE: 20; HOLE DEPTH: 67/75; SWEEP POSITION: ; SWEEP START: ; SWEEP END: ; SWEEP LENGTH: ; SWEEP TAPER: ; PHASE COMP:

RECEIVER: TYPE: GSC-20D; PATTERN: Inline; NO. OF ELEMENTS: 18; INLINE SPACING: 18; LATERAL SPACING: ; CONNECTION: series parallel; RESISTANCE: ohms; STAGGER: ; LENGTH: ; WIDTH: ; LATERAL OFFSET:

SPREAD: NO. OF GROUPS: 48; GROUP INTERVAL: 220'; SHOTPOINT INTERVAL: 880'; FOLD: 6; DIRECTION OF PROGRESSION: N to S; OFFSET GROUP 1: 5390'; OFFSET GROUP 24: 330'; OFFSET GROUP 25: 330'; OFFSET GROUP 48/: 5390'; LEADING GROUP: 48

DIAGRAMS/MISC. INFORMATION:

SHOTPOINT	REC.	TR 1 to 48 REEL NO.	REC.	TR ___ to ___ REEL NO.	REC.	SHOT SIZE	DEPTH	NO.	OFFSET	DIR.	SPREAD CDP SWITCH	LINE GROUPS 48	SET UP	REMARKS:	CORR. STACK TR 1-48 HI	REC.	TR 49-96 HI	REC.
49		7 6 1 7 2	8 6 4 6 8			20	67	8 6			24	55+1 → 42+4	2	~~change to TNT~~ File # 8466+8467 TTB	1510			
48			8 4 7 2			20	67	8 7			28	54+1 → 41+4		File # 8469 → 8471 TTB 1 sec record	1516			
47			8 4 7 3			20	67	8 8			32	53+1 → 40+3		wrong CDP	1526			
46			8 4 7 4			20	67	8 9			36	52+1 → 39+4			1526			
45			8 4 7 5			20	67	9 0			40	51+1 → 38+4			1531			
44			8 4 7 6			20	67	9 1			44	50+1 → 37+4			1537			
43			8 4 7 7			20	67	9 2			48	49+1 → 36+4			1545			
42			8 4 7 8			20	67	9 3			52	48+1 → 35+4			1553			
41			8 4 7 9			20	67	9 4			56	47+1 → 34+4			1600			
40			8 4 8 0			20	67	9 5			60	46+1 → 33+4			1608			
39			8 4 8 1			20	67	9 6			64	45+1 → 32+4			1617			
38			8 4 8 3			20	67	9 7			68	44+1 → 31+4		File # 8482 mystic	1623			
37			8 4 8 4			20	67	9 8			72	43+1 → 30+4			1628			
36			8 4 8 5			20	67	9 9			76	42+1 → 29+4			1634			
35			8 4 8 6			20	67	1 0 0			20	41+1 → 28+4	3	move up	1650			
34		7 5 1 7 2 9	8 4 8 8			20	67	1 0 1			24	40+1 → 27+4		File # 8487 Dummy Rec	1659			
33			8 4 8 9			20	67	1 0 2			28	39+1 → 26+4			1706			
32			8 4 9 0			20	67	1 0 3			32	38+1 → 25+4			1714			
31			8 4 9 1			20	67	1 0 4			36	37+1 → 24+4			1721			
30			8 4 9 2			20	67	1 0 5			40	36+1 → 23+4			1730			

LAND SEISMIC RECORDING LOG

CLIENT: Husky
PROSPECT: NPR-A
AREA: Barrow Area
LINE NO: B-17
PARTY NO: 1182
INST ENG:
DATE: MO 4 DAY 1 YR 78

INSTRUMENT (9-TRACK): ☒ 1 SYSTEM ☐ 2 SYSTEMS; ☒ 1-24 & 25-48 ☐ 1-48 & 49-96; ☒ ODDS & EVENS; TYPE: ☐ DFS III ☐ DFS IV ☒ DFS V ☐ OTHER; ☒ 9 TRACK ☐ 21 TRACK; FORMAT: SEG B; ☒ GAPPED ☐ UNGAPPED; PACKING DENSITY: (LO) ☐ 556 BPI ☐ 800 BPI (HI) ☐ 712 BPI ☒ 1600 BPI

NO. BYTES IN HEADER REC: NO. BYTES IN RECORD ID: NO. BYTES PER SCAN: RECORD NUMBERS: ☐ DEC. ☐ OCT (1) (2) (3) (4) (5) (6) (7) GAIN CONSTANT: db INPUT IMPEDANCE: ohms.

CONFIGURATION (MAG TAPE): FIELD TRACE NOS.: 1-48 DATA CHANNEL NOS.: 1-48 (ON MAG TAPE) AUXILIARY DATA: AUXILIARY CHANNEL NOS.:

PARAMETER: RECORD LENGTH: 5 sec. SAMPLE RATE: ☐ 1 ms. ☐ 4 ms. ☒ 2 ms. ☐ ms. GAIN MODE: ☒ IFP ☐ INITIAL ☐ FINAL ☐ MANUAL ☐ OPERATE FILTERS: FREQ. 8 LO CUT HZ SLOPE 18 FREQ. 128 HI CUT HZ SLOPE 70 NOTCH FILTER: ☐ IN ☒ OUT

DISPLAY: MODE: ☒ AGC ☐ FLOAT ☐ DEFLOAT ☐ AMPLIFIER ☐ DIRECT INITIAL GAIN: 24 db TRIP SENS: 6 db POLARITY CONVENTION: PRESSURE INCREASE ON GEOPHONE: ☐ NEGATIVE ☐ POSITIVE } NUMBERS ON MAG. TAPE ☐ DOWNBREAK ☐ UPBREAK } ON DISPLAY

CFS I: TYPE STACK: GATE LENGTH: RECORD REJECTION: NOISE REDUCTION: NOISE THRESHOLD: CORR. SCALING: P.C.U. NORM./ALT SW.

SOURCE: TYPE: ☒ DYNAMITE ☐ VIBROSEIS ☐ OTHER PATTERN: Single Hole Inline CHG/HOLE: 20 HOLE DEPTH: 67/75 NO. OF POSITIONS: INLINE SPACING: LATERAL SPACING: STAGGER: LENGTH: WIDTH: LATERAL OFFSET: SWEEP POSITION: SWEEP START: SWEEP END: SWEEP LENGTH: SWEEP TAPER: PHASE COMP:

RECEIVER: TYPE: GSC-200 PATTERN: Inline NO. OF ELEMENTS: 18 INLINE SPACING: 18 LATERAL SPACING: CONNECTION: Series parallel RESISTANCE: ohms STAGGER: LENGTH: WIDTH: LATERAL OFFSET:

SPREAD: NO. OF GROUPS: 48 GROUP INTERVAL: 220' SHOTPOINT INTERVAL: 880' FOLD: 6 DIRECTION OF PROGRESSION: N to S OFFSET GROUP 1: 5390' OFFSET GROUP 24: 370' OFFSET GROUP 25: 330' OFFSET GROUP 48: 5390' LEADING GROUP: 49

DIAGRAMS/MISC. INFORMATION:

SHOTPOINT	RPT.	TR. 1 to 48 REEL NO.	REC.	TR ___ to ___ REEL NO.	REC.	SHOT SIZE	DEPTH	NO.	OFFSET	DIR.	SPREAD COP SWITCH	1 LINE GROUPS 48	SKY UP	REMARKS	CORR. STACK TR 1-48 HI.	REC.	TR 49-96 HI.	REC.
1	36	7517	8499			20	67	1	06		44	35+1 → 22+4	3		1736			
28			8498			20	67	1	07		48	34+1 → 21+4			1745			
27			8495			20	67	1	08		52	33+1 → 20+4			1752			
26			8496			20	67	1	09		56	32+1 → 19+4			1801			
25			8497			20	67	1	10		60	31+1 → 18+4			1809			
24			8498			20	67	1	11		64	30+1 → 17+4			1817			
23			8499			20	67	1	12		68	29+1 → 16+4			1823			
22			8500			20	67	1	13		72	28+1 → 15+4			1831			
21			8501			20	67	1	14		4	27+1 → 14+4	4	move up	1911			
20			8502			20	67	1	15		8	26+1 → 13+4			1918			
19			8503			20	67	1	16		12	25+1 → 12+4			1925			
18			8504			20	67	1	17		16	24+1 → 11+4			1934			
17			8505			20	67	1	18		20	23+1 → 10+4			1942			
16			8506			20	67	1	19		24	22+1 → 9+4			1950			
15			8507			20	67	1	20		28	21+1 → 8+4			2035			
14			8508			20	67	1	21		32	20+1 → 7+4		WO loss	2043			
13			8509			20	67	1	22		36	19+1 → 6+4			2057			
12			8510			20	67	1	23		40	18+1 → 5+4			2100			
11			8511			20	67	1	24		44	17+1 → 4+4			2110			
10						20	67	1	25		48	16+1 → 3+4		File# 8512, 8513 → 8520 NG				