OBSERVER'S DAILY
REPORT

LYNCH 711-82

82022obs

711-82
LYNCH 101495
82022

U.S. GEOLOGICAL SURVEY

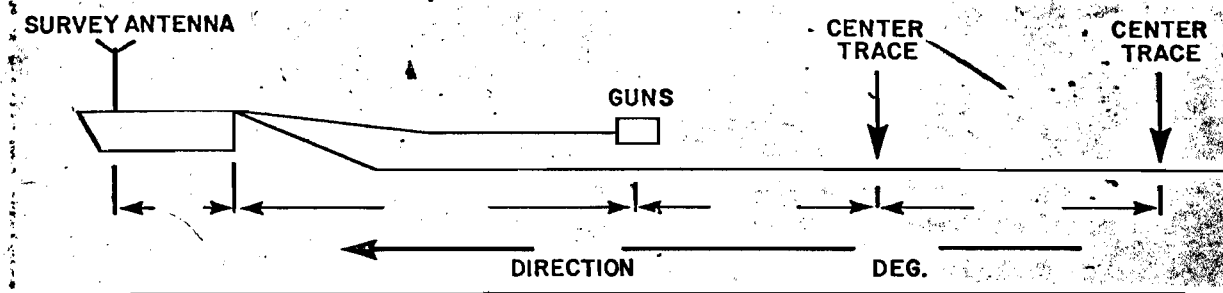
OBSERVER'S DAILY REPORT

VESSEL Lynch # 711-82 SYSTEM TYPE DFS V DATE 7/9/82

OFFSET Signature Test
LINE NO. _____ DIR. _____ DEG.
PROSPECT USGS/NVSC
LOCATION Continental Slope
SAMPLE RATE 1/2 MS. BPI 1600
RECORD LENGTH 1s. SEC.

GUN ~~PRIME NAVIGATION~~ 80 IN³ WATER GUN
CABLE TYPE REF/TEK AQUATRONICS SONOBUOY
TRACE INT. (recorded on ch 12)
SHOT INT. changed w/ gun.
WEATHER calm
OPERATOR Nichols/Miller

MC #'s 728 & 729. Reel #'s 1 & 2 - Box #1



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE

DECK NO.	REEL NO.	CONSTANTS DAY NO.	LINE NO.	DIR. DEG.	FILE NO. FROM	TO	SP NO. FROM	TO	TIME START	FINISH
2	1	1800 psi			355	366				
					414	415	Filters OUT TO 512 Hz.			
					582					
	2	DATA TEST - Signatures								
		1800 psi			1 To	66	Filters OUT TO 512 Hz			
		1800 psi			67 To	110	Filters 18 To 512 Hz			
		1600 psi			111 To	197	Filters 18 Hz To 512 Hz			
		1600 psi			198 To	249	Filters OUT TO 512 Hz.			

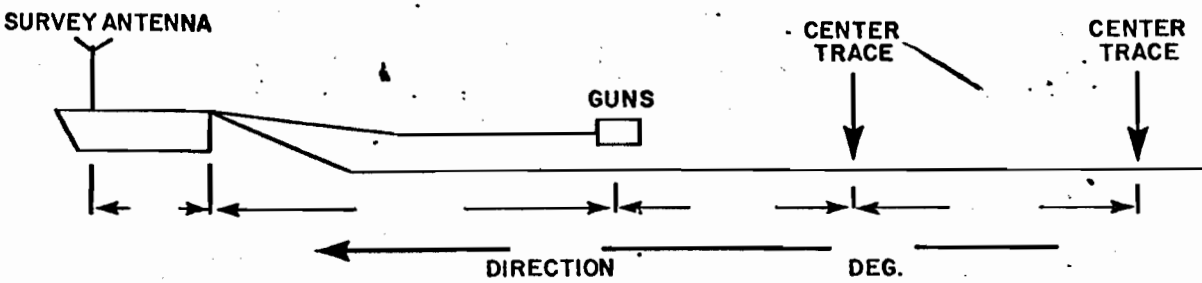
U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL Lynch 711-92 SYSTEM TYPE DFS V DATE 7/9/82

OFFSET Signature Test
PRIME NAVIGATION Loranc
LINE NO. _____ DIR. _____ DEG.
CABLE TYPE Ref Tech Sonabouy (Rec on 12)
PROSPECT _____
TRACE INT. _____
LOCATION _____
SHOT INT. 10 sec
SAMPLE RATE 1/2 MS. BPI 1600
WEATHER Calm
RECORD LENGTH 1 SEC.
OPERATOR _____

MC # 730 - Reel #3 - Box #1



15 in³ watergun
40 in³ airgun

RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
64 db			IFP			3	4	DEFLOAT

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	3	AirGun 1800 PSI			1	17		18-512	1818	
		" "			18	122		OUT-512	1840	
		H_2O Gun "			123	198		OUT-512	~~2018~~	
		" "			199	311		18-512		2019

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U.S. GEOLOGICAL SURVEY

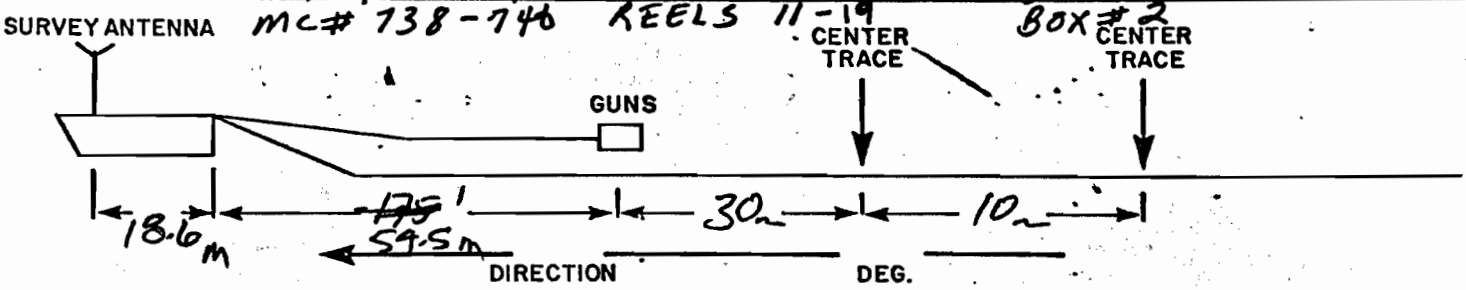
OBSERVER'S DAILY REPORT

VESSEL Lynch 711-82 SYSTEM TYPE DFS V DATE 11 July 82

OFFSET 30m
LINE NO. 1 DIR. 040 DEG.
PROSPECT NUSC Survey Area
LOCATION Long Island Platform
SAMPLE RATE 1 MS. BPI 1600
RECORD LENGTH 2 SEC.

PRIME NAVIGATION LORAN C
CABLE TYPE FAIRFIELD 120m
TRACE INT. 10m
SHOT INT. 5 sec (10m)
WEATHER Calm
OPERATOR Miller/Nichols

MC# 731-737 Reel #'s 4-10 Box #1
MC# 738-746 REELS 11-19 Box #2



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
64dB	77/18	256	IFP	77	256	2	4	AGC

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
2	4	192	1	040	001	385			0456	0527
1	5	192	1	040	386	768			0527	0556
2	6	192	1	040	769	1150			0556	0623
1	7	192	1	040	1151	1532			0623	0651
2	8	192	1	040	1533	1916			0651	0719
1	9	192	1	040	1917	2247			0719	0748
2	10	192	1	040	2248	2682			0748	0816
1	11	192	1	040	2683	3064			0816	0844
2	12	192	1	040	2065	3449			0844	0912
1	13	192	1	040	3450	3832			0912	0941
2	14	192	1	040	3833	4216			0941	1009
1	15	192	1	040	4217	4598			1009	1039
2	16	"	"	"	4599	4983			1039	1108
1	17	"	"	"	4984	5365			1108	1134
2	18	"	"	"	5366	5750			1134	1201
1	19				5751	6134			1201	1229

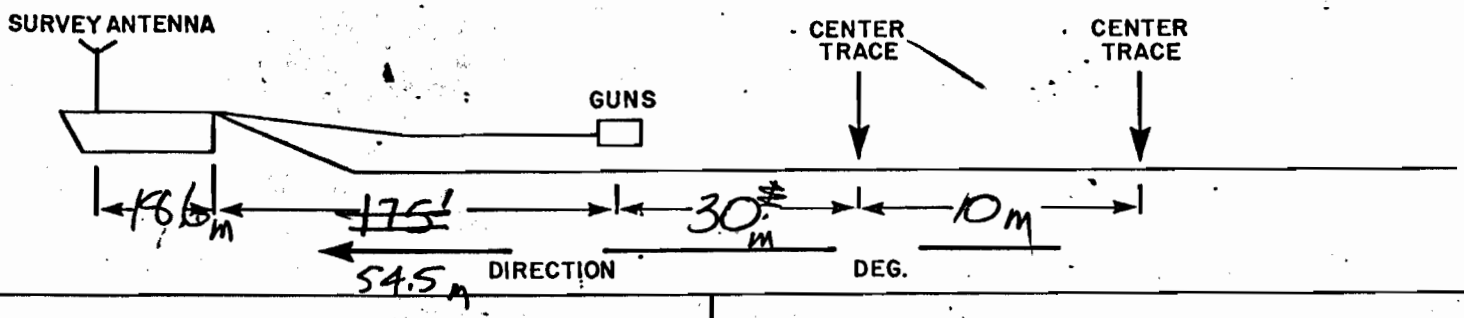
U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL Lynch 711-82 SYSTEM TYPE DFS V DATE 11 July 82

OFFSET 30 m
LINE NO. 1 DIR. 040 DEG.
PROSPECT NUSC
LOCATION L.I. Platform
SAMPLE RATE 1 MS. BPI 1600
RECORD LENGTH 2 SEC.
MC # 747 REEL # 20

PRIME NAVIGATION LORAN C
CABLE TYPE FAIR FIELD 120 M
TRACE INT. 10 m
SHOT INT. 5 sec.
WEATHER CALM
OPERATOR Miller - Nichols
Box #2



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
64 dB	77/18	256		77	256	2	4	ABL

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
2	20	192	0001	045°	6135	6409			1229	12:50
		END	LINE	#1 :						

OBSERVER'S MARINE REPORT

VESSEL LYNCH 711-82 DATE 11 JULY 82 # 1

Client	USGS	Type Instrument	DFS V	Offset distance	30m
Area	NUSC SURVEY AREA	Record filter	77/256	Group Interval	10m
State	LONG ISLAND PLATFORM	Sample rate	1ms	Fold coverage	6
Observer	MILLER/NICHOLS	gun depth	2m	In.³ of guns	15

Pre-plot	Shotpoint	File No.	Time	#1 dir.	Cable Depth IN FEET	W.D.	Reel No.	Line No.	Remarks
		001	0456	040	9-11-X	73m	4	1	START OF LINE #1
									GUN - 1800 PSI
									SPD - 4.5 KNB
									WEATHER CALM
		230	0515	041	9-11-X	70m	4	1	GUN - 1800 PSI
		303	0521						CHANGED FIRING RATE
									TO 4.4 SEC
		432	0530	040	8-11-X	70m	5	1	GUN - 1800 PSI
		628	0545	038	8-10-X	70m	5	1	GUN - 1800 PSI
		831	0600	040	8-11-X	71m	6	1	GUN - 1800 PSI
		1036	0615	041	9-12-X	70m	6	1	CHANNELS #5 + 10 ARE WEAK
		1242	0630	020	8-10-X	70m	7	1	GUN - 1800 PSI
		1445	0645	040	8-10-X	69m	7	1	GUN - 1800 PSI
		1648	0700	070	8-11-X	67m	8	1	GUN - 1800 PSI
		1852	0715	038	8-11-X	66m	8	1	GUN - 1800 PSI
		2056	0730	039	8-10-X	65m	9	1	GUN - 1800 PSI
		2260	0745	039	8-10-X	63m	9	1	GUN - 1800 PSI
		2463	0800	041	9-11-X	61m	10	1	GUN - 1800 PSI
		2669	0815	040	9-11-X	60m	10	1	GUN - 1800 PSI
		2872	0830	040	8-12-X	61m	11	1	GUN - ~~1840~~ PSI 1800
		3067	0845	040	8-10-X	59m	11	1	- 1800
		3280	0900	045	9-11-X	:	12	1	GUN - 1800 PSI
		3483	0915	045	8-12-X	57m	13	1	GUN - 1800 PSI
		3688	0930	047	8-10-X	58m	13	1	GUN - 1800 PSI
		3891	0945	047	8-10-X	58m	14	1	GUN - 1800 PSI
	*	3972							* CHANGED FIRING RATE TO
		4090	1000	053	8-10-X	58m	14	1	4.8 SEC FOR SPD ~ 4.2 KNB
		4282	1015	055	8-10-X	58m	14	1	GUN - 1750 PSI
		4440	1030	056	8-10-X	58m	15	1	" " "
		4677	1045	056	8-10-	58m	16	1	" 1800 PSI
	*	4696	~~[illegible]~~		8-10-	Change Rep Rate			Gun 1800 PSI / 4.4 Sec F
		4818	11:00	045	8-10-	61m	16	1	S.Speed 4
	*	4913	11:02						Rep. RATE 4.3 / S.Speed 4.5
	*	5085	11:15	046	8-10	60m	17	1	Rep RATE 4.1 / S.Speed 4.7
		5308	11:30	040	8-10	61m	17	1	
	*	5523	11:45	047	8-10	65m	18	1	Rep RATE 4.4 S.Speed 4.4
		5729	12:00	044	8-10	66m	18	1	
		5932	12:15	046	8-10-X	65m	19	1	Rep rate 4.4 S.Speed 4.4