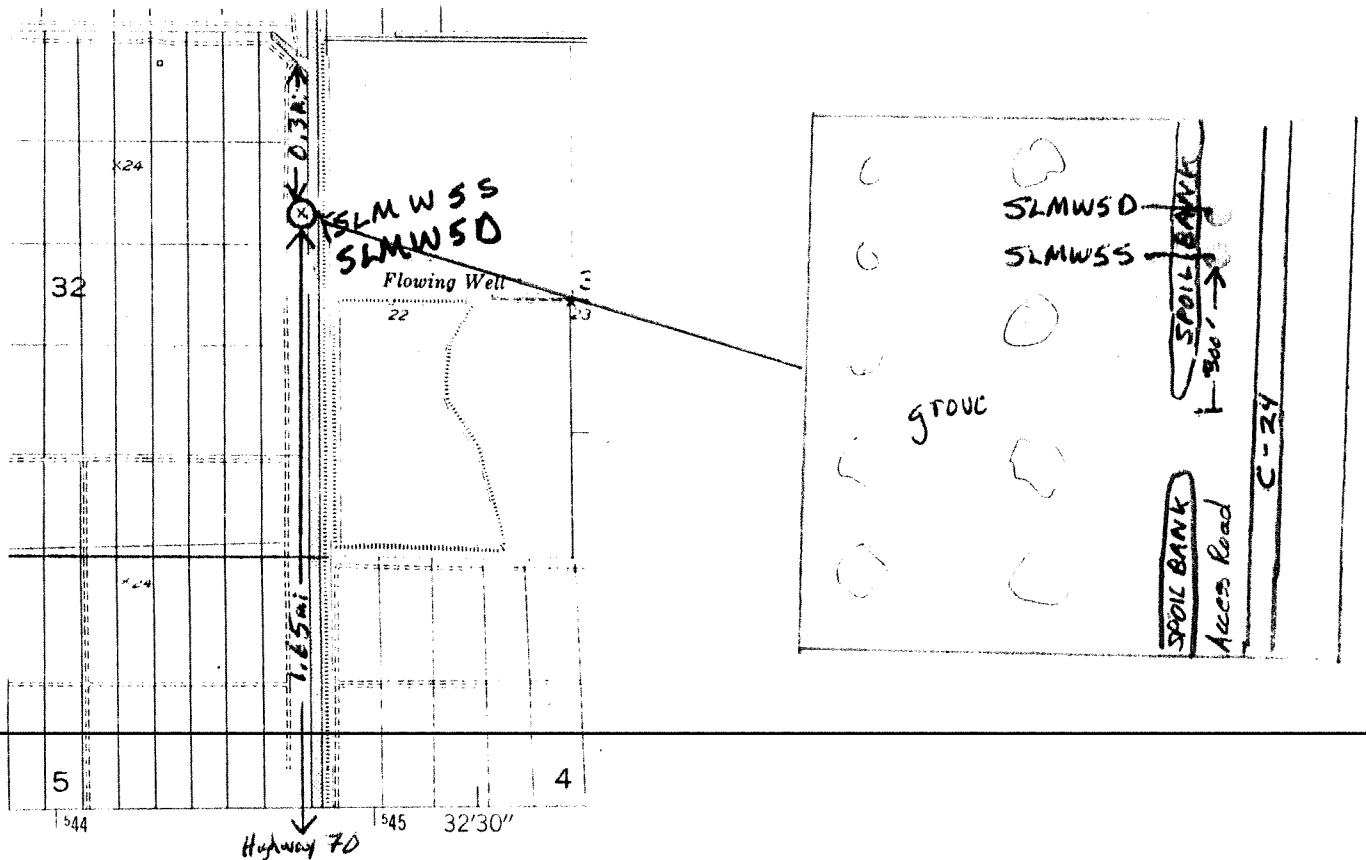


SITE: SLMWSD
 USGS QUAD: OKEECHOBEE I N.E.
 S/T/R: 32 1 3551 38E
 LAT/LONG: 27° 23' 24"; 80° 32' 48" XY: _____ ; _____
 WELL(S): SLMWSD / SLMWSS
 OWNER: SFWMD

ACCESS CONTACT: SFWMD, locked gate

LOCATION: From the intersection of C-24 access road and Highway 70, unlock gate on N access road and go N \approx 1.65 mi along access Road. Wells are located \approx 300' N. of cut in spoil bank and \approx 0.3 Mi S. of Grove Canal. Wells are 2" PVC located on the west side of access road near the base of the spoil pile \approx 35' W of canal. SLMWSD is the Northernmost well.

OKEECHOBEE I NE QUAD



WELL COMPLETION REPORT

FORM 0124
Rev. 4/85

Owner SFWMD P.O. Box 24680 W.P.B. FL 33416 **WELL PERMIT NO.**
 Contractor's Name Tony Lubrano City 25' State 35' Total Depth 35' Well # 56MW55
 Driller's Name _____ Completion Date 6/5/89

Address _____ License No. _____ Registration No. _____
 City _____ State _____ Total Depth _____ Well # _____

TYPE OF WORK: Construct Repair () Abandon ()
 WELL USE: Domestic Well () Public () Monitor Test ()
 Irrigation () Fire Well () Other _____
 METHOD: Rotary with MUD or Air () Cable Tool () Jet ()
 Casing Driven () Other _____
 STATIC WATER LEVEL _____ Ft. below top of casing
 PUMPING WATER LEVEL _____ Ft. after _____ Hrs. at _____ GPM
 PUMP SIZE _____ H.P. CAPACITY _____ GPM
 PUMP TYPE _____ INTAKE DEPTH _____ From top of ground

LOCATION
 Located Near 1.65 M. N. of Hwy 70 on W. C24
 County St Lucie

NE 1/4	32	35S	38E
27°23'31"		80°32'49"	
Latitude-Longitude		Township Range	

Cuttings sent to District? () Yes (X) NO
Note: PWS Wells attach a site map if well location is different from site location on permit application.

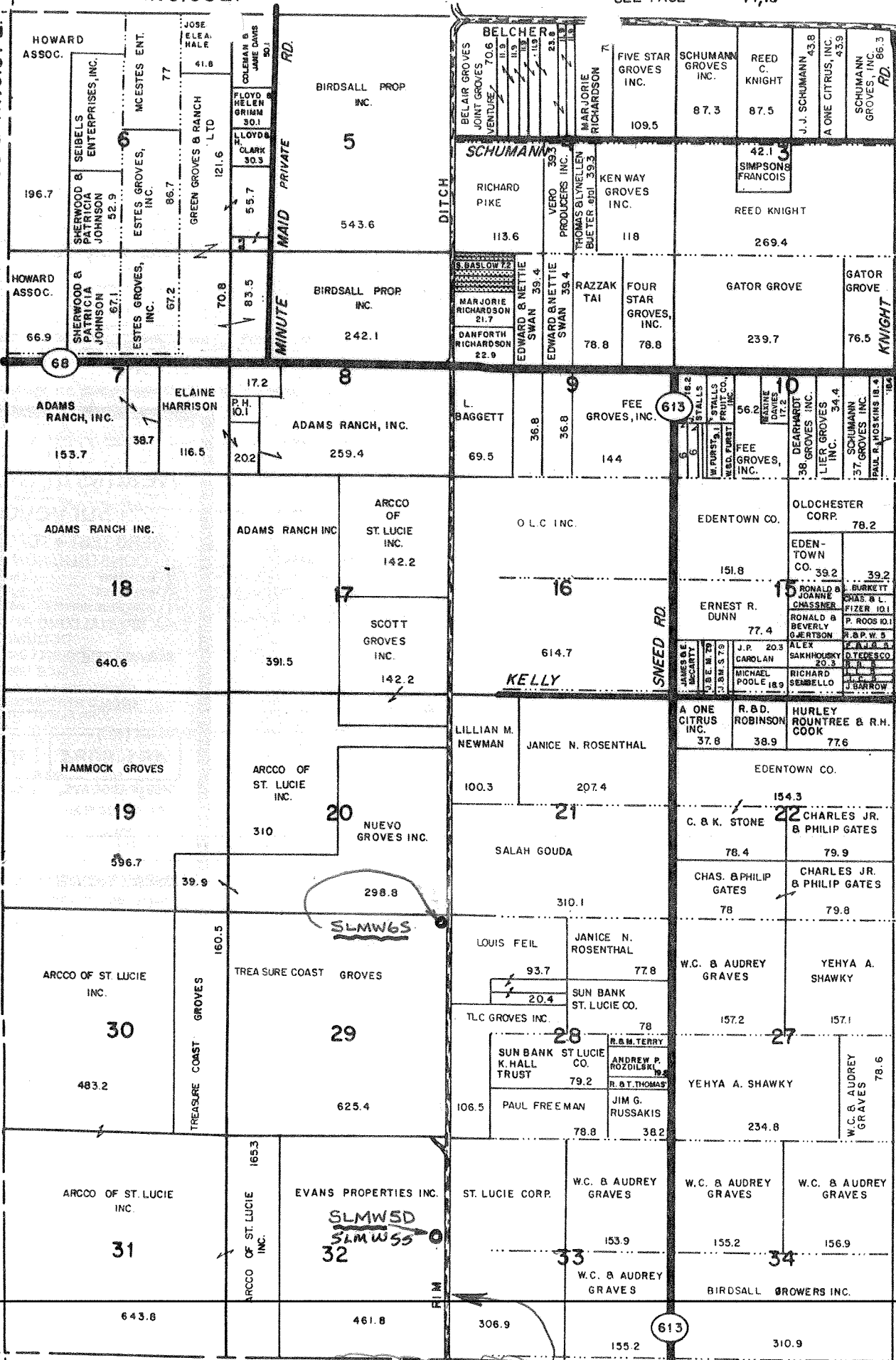
Grout Thickness & Depth	Casing & Screen Diameter & Depth	Depth (ft)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Give color, grain size, and type of material. Note cavities, depth to producing zones.
		From	To	
	0			
	2" Dia			
	PVC Casing			
	25'			
	2" Dia			
	PVC Casing			
	35'			
Number of bags				

Casing: Black Steel () Galv. () PVC (X) Fiberglass ()
 Screen: Type PVC Slot size 0.020 (ft.)
 Screened from 25' (ft.) to 35' (ft.)
 Type of grout with % additives Neat
 Water: Clear () Colored () Sulphur () Salty () Iron ()
 Conductivity _____ Chlorides _____ mg/l

TWP.35 S.-RNG.37E.

SEE PAGE 22,23

TWP.35S.-RNG.37E.

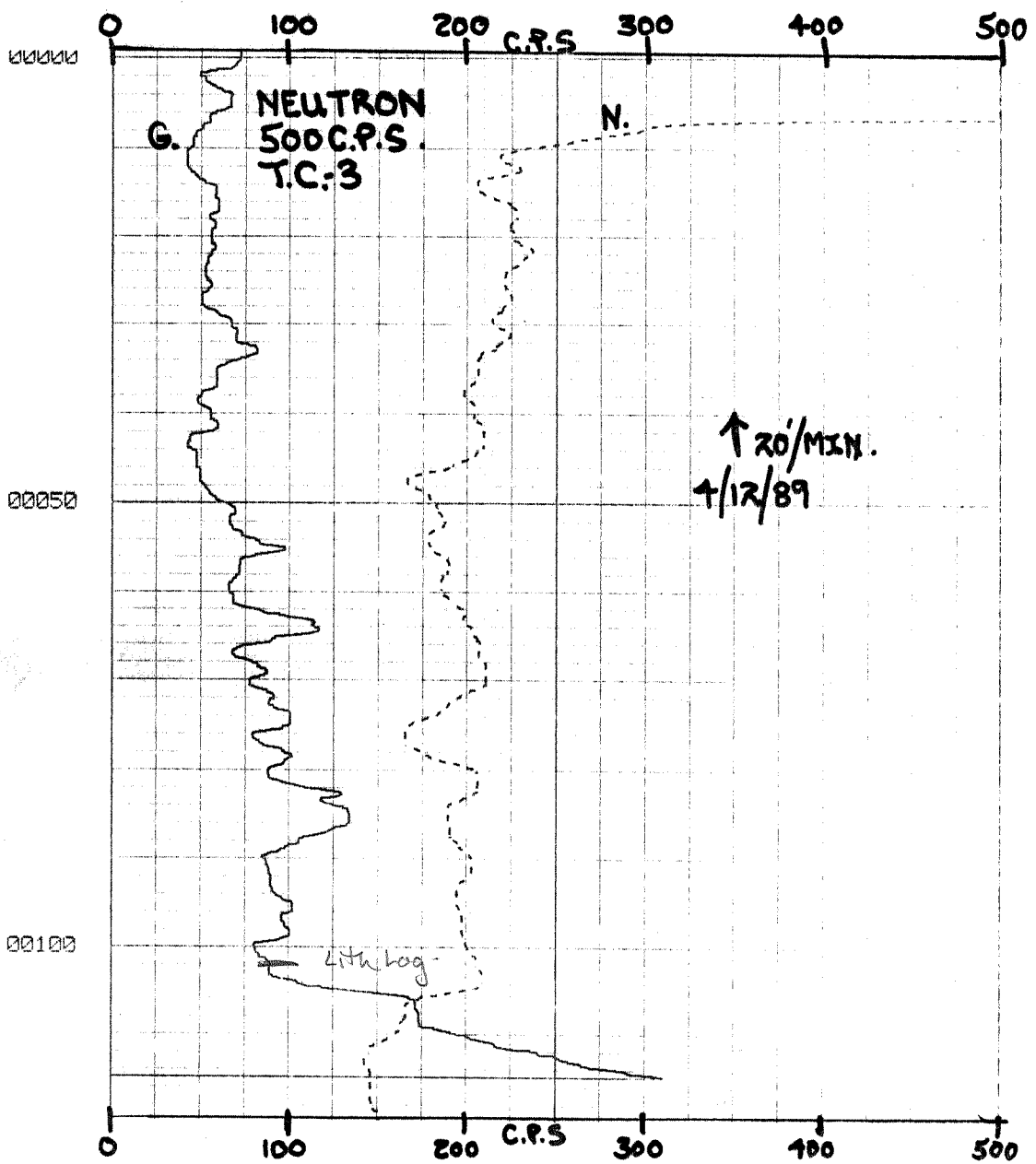


C-24 RIM DITCH

SR 70

~~STL APT-C-241~~[#]
SLMW50

GAMMA
500 C.P.S.
T.C. 2



APT 0-21 #2

4/20/89

SLMW 5B

GAMMA
500 C.P.S.
T.C.-2

G.

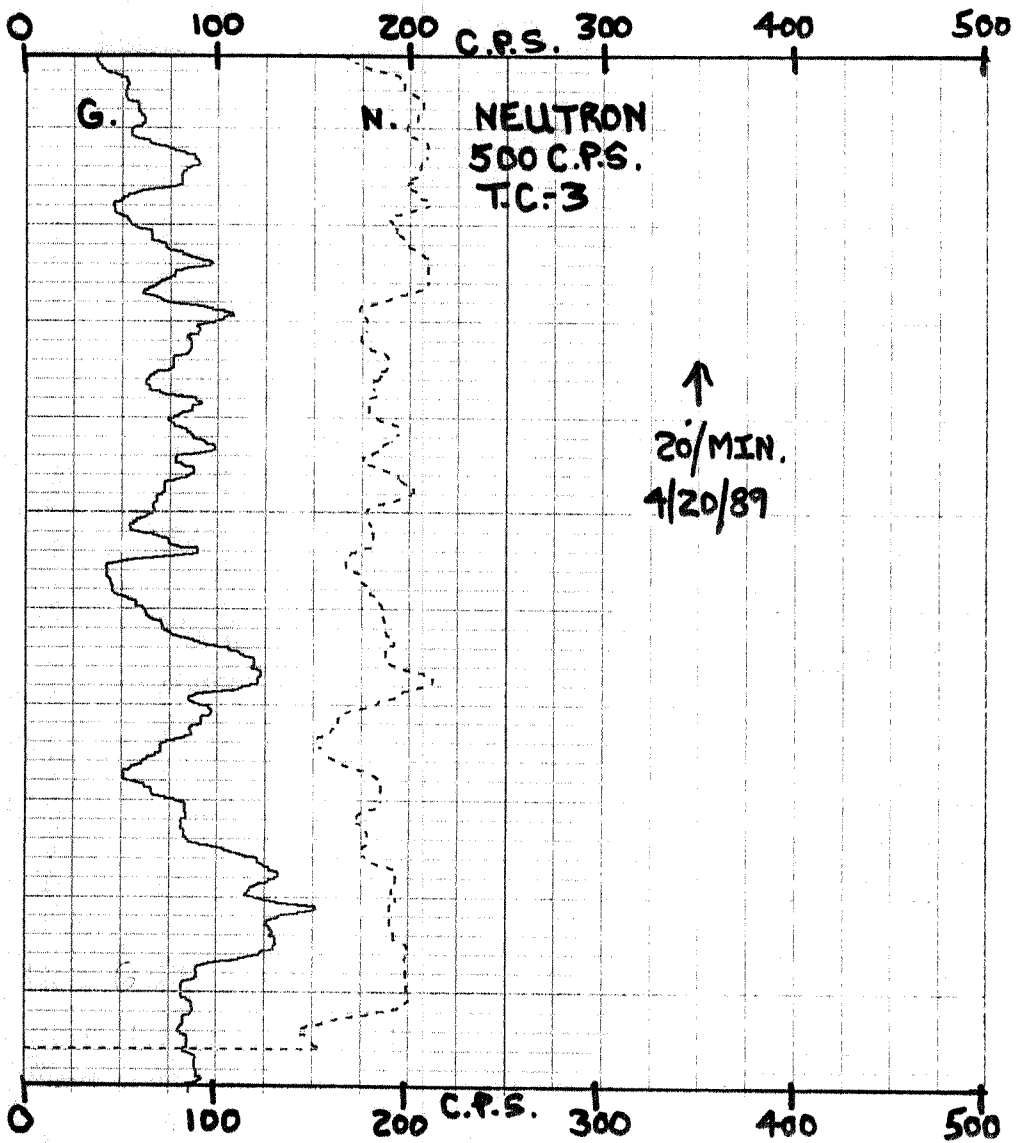
N.

NEUTRON
500 C.P.S.
T.C.-3

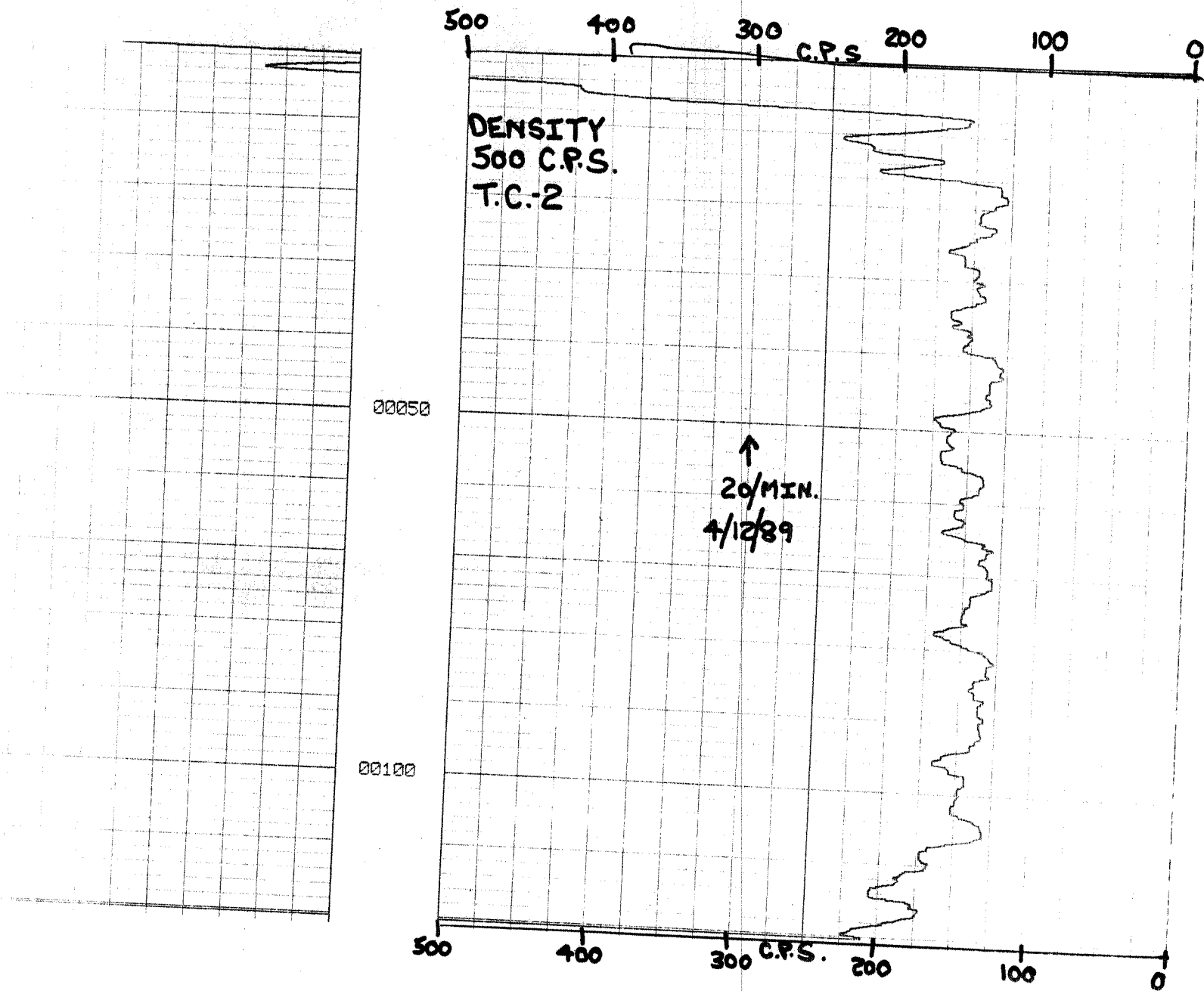
00050

↑
20/MIN.
4/20/89

00100



STL-ART-C-24#1
SL MW 5D



SAMPLES COLLECTED
W/WIRE BASKET

PROJECT ST. LUCIE CO. WELL NO. SLMW5D DATE 4/12/89

MUD ROTARY W/BENTONITE & EASY MUD POLYMER 5 5/8" DIA. HOLE
(2" CSS.)

TIME	DESCRIPTION - ROCK TYPE, COLOR, HARDNESS, OTHER
1210	START DRILLING WITH 5 5/8" DIA. DRAG BIT
	0-5' "SPOIL" MATERIAL; REDDISH-BROWN ROCKS & SAND (some CLAY)
1215	5-10' CREAM TO WHT. LIMESTONE WITH CLAY
1225	10-14' RED-BRN TO CREAM COLORED LS.; ROCKS - BIT CHATTER
1227	14-16' SHELL ZONE; CREAMY WHT SHELL HASH
1233	16-20' SHELL HASH CONTINUES; BLUISH COLOR; ADDING WATER
1240	20-22' BLACKENED SHELL HASH (REDUCING ENVIRONMENT)
1245	KD @ 22'; SWITCH DRAG BIT AND ADD ROD #1 WITH STABILIZER ^(20') MOUNTING; 5 5/8" DIA TRICONE BIT.
	TOTAL STRING (T.S.) = 47'
1250	RESUME DRILLING. 22-25' DK. GREY SHELL HASH
1300	25-29' GREY TO CREAM COLORED SHELL HASH
1305	29-31' LIGHT BROWN SHELL HASH
1310	31-35' CREAM TO GREY COARSELY BROKEN SHELL
1315	35-40' AS ABOVE BUT FINELY BROKEN
1320	40-42' CREAM COLORED COARSELY BROKEN SHELL
	K.D. @ 42' CIRCULATING & MIXING MUD - ADDING 1/2 MUD TANK OF WATER TO 'NEW' BATCH OF MUD.
1350	ADD ROD #2 (20') T.S. = 67' RESUME DRILLING.
1353	42-50' GREY SHELL HASH
1355	50-55' DK. GREY SHELL HASH WITH LIME MUD.
1358	55-62' ~60% LIME MUD, 40% DK. GREY-BLK. SHELL KD @ 62'. (NO LONGER LOSING WATER NOW THAT A BETTER WALL CAKE HAS BUILT UP.)
1405	ADD ROD #3 (20') T.S. = 87'. RESUME
1410	62-65' ~60% LIME MUD, 40% FINE SHELL HASH 65-70' AS ABOVE W/ COARSE SHELL
	70-82' >60% LIME MUD, ~40% SHELL INCL. ^{OSTREA SP.} (OYSTERS)
1430	K.D @ 82' ADD ROD #4 (20') TS = 107'
1440	82-85' CREAM-GREY FINE SHELL & LIME MUD
1445	85-90' AS ABOVE BUT SHELLS SEQUENCE COARSENING TOWARD 90'
1450-1500	90-100' COARSE SHELL AND LIME MUD

SAMPLES COLLECTED
w/ WIRE BASKET

PROJECT ST. LUCIE CO. WELL NO. SLMWS D DATE 4/12/89

MUD ROTARY WITH BENTONITE & EASY MUD POLYMER

TIME	DESCRIPTION - ROCK TYPE, COLOR, HARDNESS, OTHER	5 5/8" TRICONE BIT
1500-02	100-102' PEARLY, TRANSLUCENT OYSTER SHELL	
	HORIZON (NO MUD)	
1507	ARTER 5 MIN CIRCULATION, ADD ROD # 5	
	(20') TS = 127'. MIXING ADDITIONAL MUD.	
1515	102-105' CREAM COLOR COARSE SHELL w/ LIME MUD	
1520	105-108' AS ABOVE WITH CREAM-WHT LIMESTONE	
	@ 108' ENCOUNTER 1 ST SIGN OF AQUICLUDE	
	PALE BRN - GREEN HAWTHORN CLAY	
1525	110-115' GREEN CLAY.	
1535	115-120' AS ABOVE WITH PHOSPHATIC GRAINS.	
1540	120-122' GREEN HAWTHORN CLAY ? " "	
1545	KD @ 122'	
	PREPARE TO LOG & SET SCREEN FOR	
	DEEP MONITOR WELL	
	NOTA BENE: INTENDED TO SET SCREEN	
	BETWEEN 70-90' INTERVAL.	
	HOLE COLLAPSE AFTER LOGGING ALLOWED	
	SCREEN TO BE SET AT 50-70' INTERVAL	
	[2" PVC CSG] [2" .020 SLOT SCREEN]	
	[0-50'] [50-70']	