

1956

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1956

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COUNTY

PUTNAM
FLAGLER

1956

SPROUL

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DIS

In the fig
from the s

PROPERTY OF
FLORIDA GEOLOGICAL SURVEY
TALLAHASSEE, FLORIDA

WELL ELEVATIONS

Putnam, Flagler, Counties

SUMMER 1956

CR. Sprawl

CM. DeBats

Cutter
Fill

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Sta.	Bs.	HI.	Fs.	Elev.
BM ₁				27.06
TP ₁	3.75	30.81	1.43	29.38
TP ₂	5.92	35.30	5.98	29.32
TBM ₁	5.88	35.20	4.86	30.34
TP ₃	4.58	34.92	4.47	30.45
TP ₄	5.52	35.97	10.15	25.82
W	3.24	29.06	9.39	19.67
X	9.39	29.06	7.25	21.81
TP ₅	7.25	29.06	3.44	25.62
TP ₆	8.19	33.81	11.53	22.28
W	8.00	30.28	11.46	18.82
X	11.46	30.28	9.56	20.72
TP ₇	9.56	30.28	3.61	26.67
TP ₈	8.43	35.10	5.30	29.80
TP ₉	6.24	36.04	6.26	29.78
TBM ₁	5.21	34.99	4.64	30.35
TP ₁₀	4.63	34.98	5.93	29.05
TP ₁₁	6.38	35.43	6.74	28.69
BM ₁	2.62	31.31	4.37	26.94

error of closure = 0.12'

DeBats & Sprawl 8/20/56
hot & cloudy

BL-4 Springside

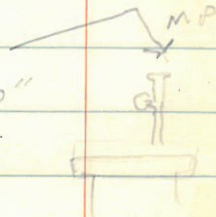
Rain - blaze on oak at dirt rd.

8/21

W = 3748

#1-20"

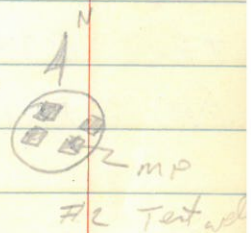
highest point on casing



W = 3636

Test well #2

Top of stud on casing



8/20/56

Sta.	BS.	HI.	FS.	Elev.	Supp. Elev.
B.M.				22.91	
TP ₁	6.18	29.09	2.75	26.34	
TP ₂	3.20	29.54	6.85	22.69	
W	3.89	26.58	5.47	21.11	
Cosine			4.81		21.77
TP ₃	5.47	26.57	2.49	24.09	
TP ₄	6.40	30.49	5.62	24.87	
W	5.00	29.87	7.36	22.51	
Cosine			6.65		23.22
TP ₅	7.36	29.77	7.75	22.12	
TP ₆	5.40	27.52	5.53	21.99	
TP ₇	6.79	28.78	3.00	25.78	
B.M.	1.54	29.32	4.35	22.97	
Error of closure = 0.06					

Welaka - N-19

No Cor. Elm St & Fla 309 At Welaka

Along Fla 309

Ground (W - USGS-141) Top of Coupling: 21.77'

Top of Coupling - (141)

USGS 150

Top of Coupling on 10" casing (150)

Sta	FLAGLER		COUNTY		Surr ELEV
	BS.	HI.	FS.	Elev.	
BM ₁				24.83	
TP ₁	3.64	28.47	4.48	23.99	
TP ₂	5.96	29.95	5.10	24.85	
TP ₃	6.16	31.01	5.40	25.61	
W	5.25	30.86	6.19	24.67	
EF5 ₁			4.37		26.49
TP ₄	6.19	30.86	5.67	25.19	
TP ₅	5.81	31.00	6.65	24.35	
TP ₆	5.58	29.93	6.82	23.11	
BM ₁	5.29	28.40	3.62	24.78	

Error of closure = 0.05'

BM ₁				18.73	
W	4.78	23.41	3.32	20.09	
BM ₁	3.32	23.41	4.78	18.73	

Error of closure = 0.005'

Bunnell M-31					8/22/56
N. Florida Española Hwy					Spout X
W on shell road					123029
Ground - W - 3538					6.19
MP - Top of 4" casing					1.72
S on Española Hwy					2.87
					2.46
					1.72
					2.5419
					2.7
					2.493
					3.57

Highway Δ - 1952

for USGS - corner @ Relay tower Marker
Top of coupling of 2" pipe

Sta.	Bs.	HI.	Fs.	Elev
BM,				16.87
TP ₁	6.38	23.25	6.08	17.17
TP ₂	5.73	22.90	5.66	17.24
W	5.84	23.08	2.18	20.90
TP ₃	2.73	23.63	5.09	18.54
W	5.85	24.39	6.35	18.04
X	6.35	24.39	5.74	18.65
TP ₄	5.74	24.39	6.64	17.75
TP ₅	6.11	23.86	6.91	16.95
TP ₆	6.48	23.43	6.28	17.15
BM,	5.69	22.84	6.16	16.68

error of closure = 0.19'

DeBats *
Sprout &

8/22 - Cloudy
windy

Burrell BP-188 - 1 mi. E of Deanville

along road w to Deanville

along farm rd. S

well for USGS - bottom lip on lower pump

Cowart

top of casing - for USGS (without thread)
bracket

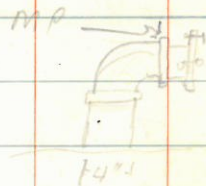
STA	BS	HI	FS	ELEV
BM ₁				9.80
TP ₁	3.80	13.60	5.27	8.33
TP ₂	7.90	16.23	5.98	10.25
TP ₃	5.27	15.52	5.61	9.91
TP ₄	6.35	16.26	4.96	11.30
TP ₅	5.75	17.05	6.90	10.15
TP ₆	7.00	17.15	5.63	11.52
W	5.04	16.56	5.18	11.38
IFS			3.89	12.67
TP ₇	5.18	16.56	4.88	11.68
TP ₈	4.70	16.38	2.37	13.01
TP ₉	5.02	18.03	5.97	12.06
TP ₁₀	5.28	17.34	5.78	11.56
TP ₁₁	5.65	17.21	7.54	9.67
BM ₁	3.65	13.32	3.55	13.77

Error of closure = 0.03'

SE Cor of 1st Bridge
over Middle River Creek - 38304

W-1520

MP



Aug 23, 1956
Page 1
S pro (T)
De Bet

Sta	Bs.	Hi.	Fs.	Elev.
BM.				18.23
TP ₁	4.94	23.17	5.98	17.19
TP ₂	5.52	22.71	6.84	15.87
TBM ₁	6.96	22.83	6.90	15.93
TP ₃	6.90	22.83	6.94	15.89
X	6.60	22.49	5.48	17.01
TP ₄	5.48	22.49	5.18	17.31
TP ₅	6.46	23.77	5.50	18.27

error of closure = 0.04'

TBM ₁	7.46			15.93
TP ₁	7.46	23.39	4.70	18.69
W	5.84	24.53	5.70	18.83
X	5.70	24.53	1.71	22.82
TP ₂	1.71	24.53	6.20	18.33
TBM	5.10	23.43	7.24	16.19

error of closure = 0.26'

DeBats
Sprawl

8/23
cloudy
cool

SRD BM

at bridge leading to Hardins Property (SW Corner)

well for USGS

W-3781

Top ridge on Elbow



8/23/56

STA	BS	HI	FS	ELEV
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BM ₁				0.00
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W	4.85	4.85	5.57	-0.72
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BM				0.00
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W	6.33	6.33	6.09	+0.24
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BM₁

BM ₁				17.37
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BM ₂	4.76	22.13	3.90	18.23
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BM ₁	3.90	22.13	4.76	17.37
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no error of closure

BM ₁				23.28
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BM ₂	6.34	29.62	5.02	24.60
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BM ₁	5.02	29.62	6.34	23.28
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BM ₁				6.29
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BM ₂	7.91	14.20	4.40	9.80
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BM ₁	4.40	14.20	7.91	6.29
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(on Bridge 1 mi Fr

Desired datum 500 MARC int 100+20

USGS #200 -24.60 - .72 = 23.88'

BM₁ at Burnell NAPS

USGS #89 at Burnell NAPS (At Airport

8/24

SRD @ 371+75 - 42' R - Non 305

to establish bridge bench mark

STA 497 - 100' Rt - Spike in 20" Coin

Bridge 1 mi Fr 100-20 Std Disk

no error of closure

SRD @ 167+94 - NW of Middle Hawk R - on 305

to establish bridge BM

no error of closure

8/23/56

STA	BS	HI	FS	ELEV
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BM,				23.19
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W	4.43	27.62	4.84	22.78
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W	4.43	27.62	4.83	22.79
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BM,	4.93	27.62	4.43	23.19
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Error of closure 0.00

BM,				21.34
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W	3.66	25.00	4.89	20.11
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BM,	4.89	25.00	3.66	21.34
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no error of closure

BM,				7.97
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X	6.66	14.63	2.48	17.15
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Y	2.48	14.63	1.38	13.25
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BM	1.38	14.63	6.66	7.97
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no error of closure

#2 Test well - Lehigh Portland Cement Co

Well #3 (W-3479)

Well #2 (W-3059)

Test well #1

Well #1 (W-3060)

Josie Azimuth Mark - San Mateo

left of fence - lower lip of open 6" pipe

pitcher pump - lip

DeBals &
Sprawl &Clear
not 8/28/50

Sta.	CLAY Bs.	HI.	Count Fs.	Elev.
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BM				26.85
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Green Cove Springs - U-30

TP ₁	0.51	27.36	0.94	26.42
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TP ₂	8.30	34.72	4.40	30.32
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TP ₃	11.44	41.76	0.44	41.32
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W	10.15	51.47	2.94	48.53
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W-2907

TP ₄	2.94	51.47	11.35	40.12
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TP ₅	0.80	40.92	11.50	29.42
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TP ₆	3.88	33.30	8.77	24.53
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BM	2.80	27.33	0.65	26.68
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error of closure = 0.17'

BM				84.61
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Middleburg BE 18

8/28/50
Sprawl &
DeBals &

TP ₁	3.19	87.80	8.05	79.75
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W	4.51	84.26	4.96	79.30
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USGS Core D444

TP ₂	4.96	84.26	4.51	79.75
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BM	8.03	87.78	3.19	84.59
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Error of closure = 0.02'

Sta.	Bs.	HI.	Fs.	Elev.
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BM.				
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W	6.08			
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			2.80	
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BM,	2.80			
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			6.08	
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no error of closure

BM,

W

BL-32 - 1951 Corps of Eng. - Camp Blanding

W-2898

well # 12

1951 Jax. Eng. Dist.

W -

Camp Blanding 9A