

1964

Tremper

DUVAL
COUNTY

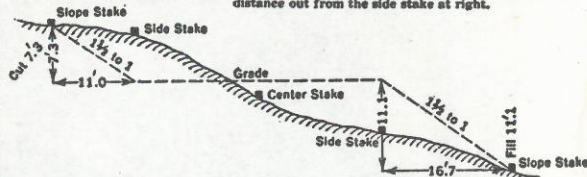
1964

3

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1½ to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



Cut or Fill	Distance out from Side or Shoulder Stake										Cut or Fill
	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

Tremper
1964

The paper in this book is made of 50% high grade rag stock with a WATER RESISTING surface sizing.

1964 - B

Index

Well #	page
5483	DU 1
5685	DU 3
3448	DU 5
4951	DU 7
5521	DU 9
5827	DU 11
3692	DU 13
2888	DU 15
3542	DU 17
3013	DU 19
3223	DU 21
4958	DU 23
3602	DU 25
3093	DU 27
5280	DU 29

? re-run

✓ ? OK

✓ ? re-run
OK

1)

W-5483

8/11/64

(2)

B.S. I.H. F.S. Elv.

B.M.

14.19

T.P. ₁	2.95	17.14	3.87 ²	13.27
-------------------	------	-------	-------------------	-------

T.P. ₂	4.53	17.80	4.69	13.11
-------------------	------	-------	------	-------

T.P. ₃	4.49	17.60	4.24	13.34
-------------------	------	-------	------	-------

Z.B.S.	11.97	Z.F.S.	12.82
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Diff $\frac{.85}{1.15}$ corrected
elv.

13.34
+ .39
<u>13.73</u>

Artesian Well

August 11, 1964

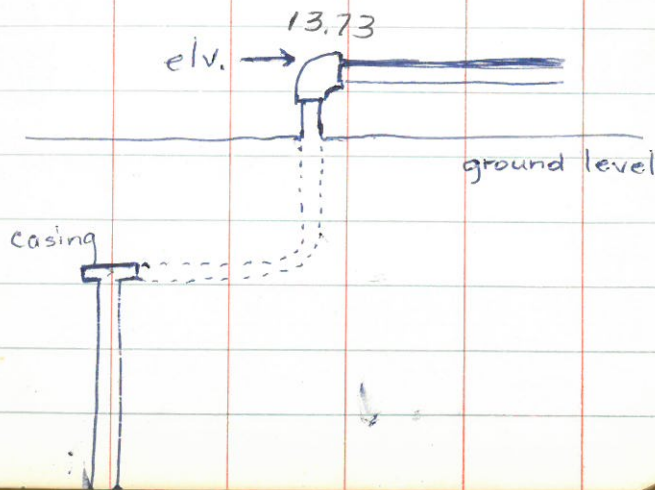
rainy morning

Jon-level

J.L. - rod

B.M. from city river
level uncorrected

14.189

Reading taken at top elbow
of main draw pipe

(3)

W-5685

8/11/64

B.S. I.H. F.S. Elev

B.M.

11.73

T.P. ²0.88 12.61 ¹2.14 ¹10.47T.P.₂ 4.17 14.64 4.97 9.67T.P.₃ 3.80 13.47 4.43 9.04T.P.₄ 4.69 13.73 5.07 8.66ground
conc.
base~~11.73~~
13.54~~16.70~~
1.59 12.14

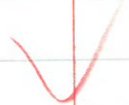
Corrected elev.

~~16.81~~
conc.
base12.53

ground

9.05

Artesian



(4)

August 11, 1964

rainy morning

Jon - level

J.L. - Rod

B.M. from city river
level uncorrected to M.S.L.

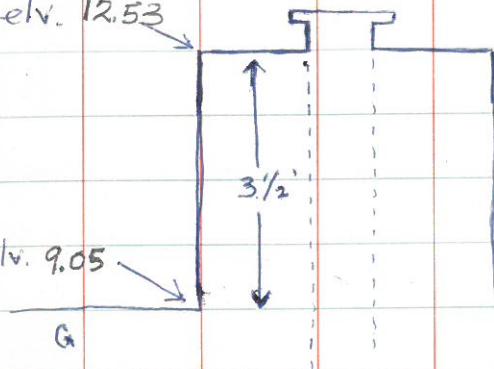
11.729

elv. 12.53

elv. 9.05

G

3 1/2'



5)
W-3448

8/11/64

B.S. I.H. F.S. Elv

B.M. 11.73

T.P.₁ 1.21 12.94 3.55 9.39T.P.₂ 5.97 15.36 6.04 9.32T.P.₃ 2.85 12.17 4.13 8.04

10.03

13.72

10.03

3.69

8.04

+ .39

9.43

corrected elv

Artesian



August 11, 1964

(6)

cloudy afternoon

Jan-Level

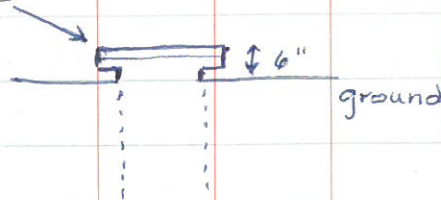
J.L.-Rod

City High River Water

B.M. uncorrected to M. S.L.

11.729

elv. 9.43



7) W- 4951 8/11/64

B.S. I.H. F.S. Elv.

B.M. 12.49

T.P₁ 2.20^{4.3} 12.69 1.20^{3.3} 11.49

T.P₂ 3.02 14.51 4.12 12.39

T.P₃ 6.75 17.14 4.67 12.47

T.P₄ 5.94 18.41 4.27 14.14

T.P₅ 4.91 19.05 4.30 14.75

T.P₆ 3.09 17.84 4.56 13.28

T.P₇ 4.13 17.41 5.40 12.01

T.P₈ 3.86 15.87 4.77 11.10

T.P₉ 5.12 16.22 2.26 ~~13.96~~ 15.96

Σ B.S. 39.02 Σ F.S. 35.55

Diff. 4.47

8/11/64

(8)

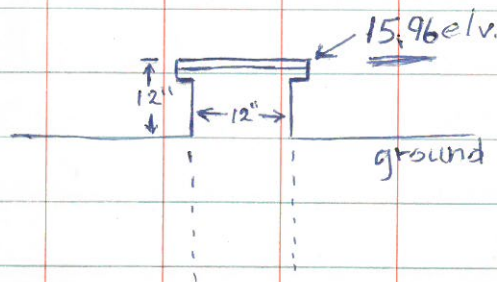
cloudy aft.

low-level

J.L. - rod

Used county B.M.

Elev. 12.49 M.S.L.



9.)

W-5521

8/12/64

B.S. I.H. F.S. elev.

B.M.

35.99

TP₁ 5.09 41.08 2.58 38.50TP₂ 4.95 43.45 3.43 40.02TP₃ 3.40 43.42 2.82 40.60TP₄ 3.81 44.41 5.16 39.25TP₅ 3.97 43.22 3.64 39.58TP₆ 2.69 42.27 3.99 38.28TP₇ 5.89 44.17 3.55 40.62TP₈ 5.81 46.43 1.15 45.28TP₉ 6.86 52.14 2.73 49.41

Σ B.S. 42.47



(10)

J.L. Level
for Rod

B.M. county elev. 35.99



Floor of w house

W-5521 located in a block
house at the NW corner
of St Johns Bluff Rd. and
Layman Rd.

H)

W 5827

8/12/64

B.S.

I.H.

F.S.

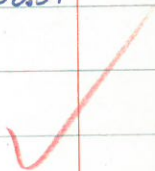
Elev.

B.M.

100

TP₁ 48 100.48 8.64 91.84TP₂ 2.40 94.24 6.72 87.52TP₃ 5.4 92.93 15 92.78TP₄ 9.22 102.00 4.69 97.31TP₅ 3.34 100.65 3.23 97.42TP₆ 4.76 102.18 5.65 96.53TP₇ 5.19 101.72 5.00 96.72

1.35 100.37



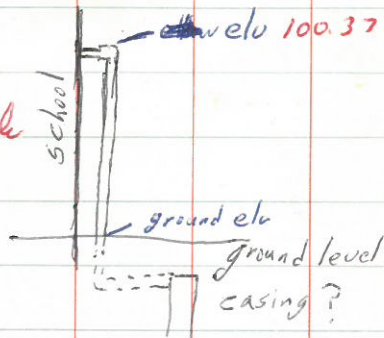
~~assumed~~

J. L. Level

Iron Rod

B.M. State Road Dept. on
Cedar Creek bridge at the
NE. corner on Blanding Highway
(state 21) 1949

ground el
elbow el



(12)

(13) W 3692

8/12/64

B.S. I.H. F.S. elev.

B.M.

20.36

TP₁ 3.75 24.11 4.42 19.69TP₂ 4.46 24.15 4.40 19.75

8.21

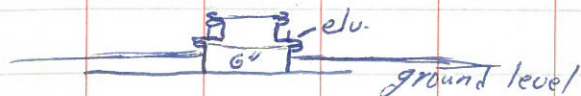
8.82

J. L. Level

Iron Rod

B.M. county elev. 20.36

(14)



(15)

W 2888

August 18, '64

B.S. I.H. F.S. elev.

B.M. 25.37

TP₁ 5.53 30.90 4.85 26.05 .0TP₂ 2.50 28.55 8.57 19.98TP₃ 2.14 22.12 .76 21.36TP₄ 4.16 25.52 6.46 19.06TP₅ 3.52 22.58 5.42 17.16TP₆ 2.36 19.52 4.33 15.19
9.15

Σ B.S. 21.21 Σ F.S. 30.39

21.21

9.15

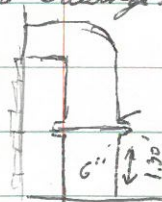
Diff

9.18

(16)

J. L. Level
for Rod

B.M. - U.S.C.S. and State. 25.37

It started to rain around 10:30
and rained hard until 3:00.elv. taken atop the larger
of the 5 casings.

ground

77)

w 3542

August 18, 1964

B.S.

I.H.

F.S.

elv.

B.M.

83.00

TP₁ 392 86.92 5.60 81.32TP₂ 3.81 85.13 4.32 80.81 ★ T.B.M.TP₃ 2.50 83.31 4.74 78.57TP₄ 3.65 82.22 6.10 76.12TP₅ 5.26 81.38 5.43 75.95TP₆ 8.10 84.05 5.54 78.51TP₇ 28 78.79 4.75 74.04

3.95 74.84 Floor

ground level well house was locked and we

could not locate the man with the key. We took an elv. on the floor of the well house at the middle door.

L.L. Level

Jon Rod.

B.M. - U.S. Dept. of Interior GJDK 1962

elv. 83 ft.

It rained most of the day. We are working the well under overcast sky.

Well located off Falcon Dr.

(18)

19) 3013
W ~~1101~~

August 19, '64

B.S. I.H. F.S. elv.

B.M.				100
TP ₁	3.29	103.29	4.08	99.21
TP ₂	3.40	102.61	4.85	97.86
TP ₃	4.10	101.86	4.02	97.84
TP ₄	4.87	102.71	3.66	99.05
TP ₅	4.58	103.63	3.41	100.22
TP ₆	5.02	105.24	4.40	100.84
TP ₇	4.00	104.94	4.66	100.18
TP ₈	4.20	104.38	4.62	99.76
TP ₉	5.12	104.88	2.60	102.28
TP ₁₀	3.55	98.73 105.83	4.12	94.61 101.71

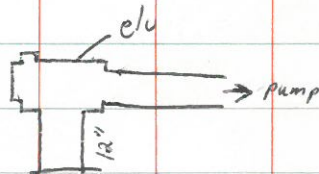
J. L. Powell π

(20)

Iron Rod

B.M. U.S. C & G. Survey Station No. 459
along Fla. East Coast R.R.

Assumed?



elv taken atop Γ

21)

W-3223

8/25/64

B.S. I.H. F.S. EIV

B.M.

13.60

T.P₁ 4.78 18.38 4.14 14.24T.P₂ 5.16 19.40 6.25 13.15T.P₃ 2.28 15.43 6.74 8.69

12.22

17.13

Diff 4.91



8/25

(22)

clear morning

J. L. - Rod

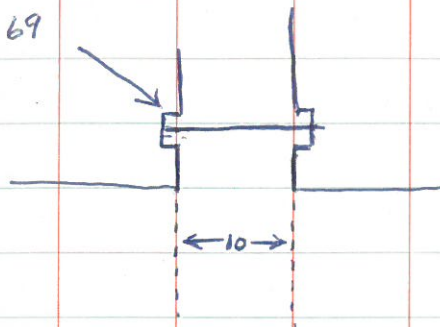
Jon - level

Used County B.M.

corrected to M. & L.

elv. 13.60

8.69



(23)

W-4958

Aug. 26, 1964

B.S. I.H. F.S. Elv

B.M.

23.46

T.P. ₁	² ₁ 3.83	27.29	¹ ₂ 4.45	22.84
-------------------	--------------------------------	-------	--------------------------------	-------

T.P. ₂	5.13	27.97	5.18	22.79
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T.P. ₃	5.10	27.89	5.54	22.35
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T.P. ₄	3.92	26.27	5.06	21.21
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T.P. ₅	<u>4.16</u>	25.37	<u>1.61</u>	<u>23.76</u>
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22.14

21.84

Diff. .30

(24)

8/26

cloudy morning

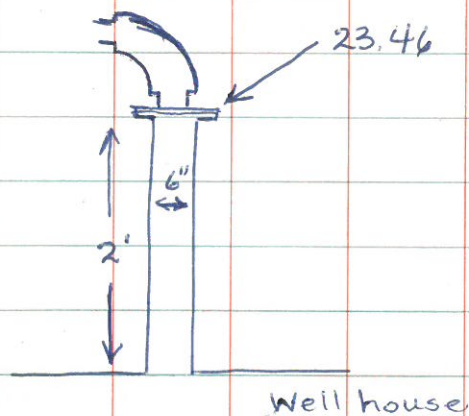
J. L. Rod

Jon Livel

Used county B.M.

corrected to M.S.L.

elv. 23.46



25)

W-3602

Aug. 26, 1964

B.S. I.H. F.S. Elv.

B.M.

19.71

T.P.₁ 4.94 24.65 4.78 19.87T.P.₂ 4.12 23.99 6.05 17.94T.P.₃ 4.47 22.41 5.05 17.36T.P.₄ 4.43 21.79 1.62 20.17~~T.P.₅~~ 17.96 17.50

Diff. 46

Artesian

8/26

(26)

Cloudy aft.

J.L. - Rod

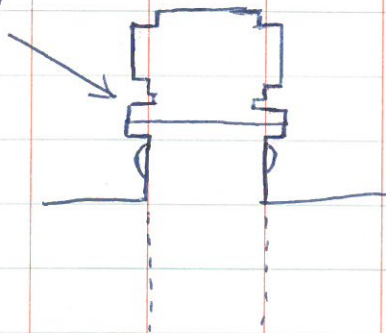
Jon - Level

Used county S.R.D

B.M. elv. 19.71 M.S.L.

20.17

Elv.



(27)

W-3093 Aug. 26, 1964

B.S. I.H. F.S. Elv.

B.M.

100

T.P ₁	⁴ _{8.47}	108.47	⁴ _{7.22}	101.25
------------------	------------------------------	--------	------------------------------	--------

T.P ₂	1.76	103.01	6.31	96.70
------------------	------	--------	------	-------

T.P ₃	.08	96.78	2.55	94.23
------------------	-----	-------	------	-------

T.P ₄	9.17	103.40	3.05	100.35
------------------	------	--------	------	--------

T.P ₅	4.80	105.15	8.02	97.13
------------------	------	--------	------	-------

T.P ₆	.58	97.71	6.31	91.40
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T.P ₇	9.49	100.89	.02	100.87
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T.P ₈	8.12	108.99	4.43	104.56
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T.P ₉	4.19	108.75	6.58	102.17
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T.P ₁₀	3.70	105.87	8.64	97.23
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T.P ₁₁	<u>0.24</u>	97.47	<u>3.88</u>	<u>93.59</u>
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50.60

57.01

Diff. 6.41

(28)

8/26

Clear afternoon

J.L. - Rod

Jon - Level

Used S.R.D. B.M. on
bridge over Cedar Creek
on Blanding Blvd. 1949

elv



29)

W5280

August 27, 1964

B.S.

I.H.

F.S.

elv.

B.M.

20.78

TP₁ 4.59 25.37 6.01 19.36TP₂ 4.10 23.46 4.91 18.55TP₃ 4.62 23.17 4.44 18.73TP₄ 5.13 13.86 2.84 ~~21.02~~ elv.

21.02

Artesian well

(30)

J.L. Level

Iron Rod.

B.M. 20.78 State Road B.M.

Location - corner of Commonwealth +
Lene Ave.

	+			
BM	BS	HI	FS	Elev
Bm	5.28	204.28		199.0
TP ₁	5.65	205.35	4.58	199.70
TP ₂	0.22	194.89	10.68	194.67
TP ₃	0.70	184.55	11.04	183.85
TP ₄	4.03	181.22	7.36	177.19
TP ₅	2.84	173.17	10.89	170.33
WELL			7.73	<u>165.44</u>
	18.72		52.28	
			<u>18.72</u>	
			-33.56	
	199.00			
	33.56			
✓	<u>165.44</u>			

YON & HENDRY

2-9-65

Bm Rd intersection

BM TP₁ TP₂ TP₃ TP₄



WOOTEN #1

BM	BS	HI	FS	Elev
TP ₁	6.76	150.76	5.4	144.0
2	9.69	157.56	2.89	147.87
3	6.91	159.68	4.79	152.77
4	8.57	167.50	0.75	158.93
5	5.61	169.62	3.49	164.01
6	8.47	176.12	1.97	167.65
7	10.47	185.56	1.03	175.09
8	8.31	192.55	1.32	184.24
WELL			<u>2.90</u>	<u>189.65</u>
+	64.79		-19.14	
	<u>19.14</u>			
	45.65			
	<u>144.00</u>			
✓	189.65			

YON & HENDRY 2-9 65

BM is intersection of 2 dirt roads

JOINER #1

BM	BS ⁺	HI	FS ⁻	Elev
TP	8.82	214.82		206.00
WELL			1.08	213.74
	5.04	218.78		
			4.28	214.50

YON & HENDRY

2-9-65

SASSAR #1

BM BG HI FS ELEV

BM₁₀₈₈ 2.47 236.47 234.0

TP₁ 8.11 ^{243.16} 246.16 1.42 ^{235.05}

TP₂ 4.42 ^{238.66} 241.66 8.92 ^{234.24} 237.24

TP₃ 10.70 ^{246.21} 249.21 3.15 ^{235.51} 238.51

TP₄ 5.15 ^{249.95} 253.95 1.41 ^{244.80} 248.80

WELL 4.79 245.16

30.85

19.69

19.69

✓ 11.16

YON & HENDRY 2-9-65

BM from USGS BM

GREEN #1

BM	BS	HI	FS	ELEV
TBM	2.72	186.72		184.00
TP ₁	11.13	196.57	1.28	185.44
TP ₂	11.07	207.57	0.07	196.50
TP ₃	10.64	217.98	0.23	207.34
TP ₄	9.55	227.28	0.25	217.73
TP ₅	10.98	237.76	0.50	226.78
TP ₆	4.75	242.16	0.35	237.41
WELL		<u>5.11</u>	<u>237.05</u>	
	60.84	7.79		
	<u>7.79</u>			
	53.05			

YON & HENDRY

BM intersection of 4 dirt roads

GOODE #1

	B.S	I.H	F.S	E/v.	
B.M					0
T.P ₁	5.75	5.75	1.03	4.72	
2	11.92	16.64	4.74	11.90	
3	4.13	16.03	11.45	4.58	
4	1.47	6.05	4.86	1.19	
5	4.29	5.48	5.41	.07	

	B.S	I.H	F.S	E/v	
B.M					0
T.P ₁	5.63	5.63	0.10	4.93	
T.P ₂	10.73	15.66	3.87	11.79	
3	3.62	15.41	10.67	4.74	
4	1.03	5.77	4.29	1.48	
	3.89	5.31	5.33	.04	