

D

Blue Mountain



W 60

S.C.

350



Knees hays

MICROFILMED

JAN 6 1965

Page Book Bench Levels

Barrett to Marina 12-22-13

i	+	-	U.S. 15 33,598 = 87,475
	0.296		33.894
TP		0.749	33.145
	1.796		34.941
TP		0.243	34.698
	0.488		35.186
TP		12.409	22.777
	1.454		24.231
TP		12.711	151.320
	2.951		14.471
TP		4.335	10.136
	4.609		14.745
TP		5.270	09.475
	9.388		18.763
TP		8.335	14.527
	4.177		14.705
TP		4.078	1510.627
	5.210		15.937
TP		4.798	10.937



	+	-	H.I.	Flv
	4,086		16,925	1510,839
TP		5,150		11,775
	5,464		17,239	
TP		5,242		1514,997
	5,050		1517,049	
TP		4,207		1512,840
	5,081		1517,921	
T.P.		6,154		1511,767
	7,264		1519,131	
TP		4,550		1514,481
	4,531		1519,012	
TP		4,680		1514,332
	5,219		1519,581	
TP		4,644		1514,907
	4,984		1516,891	
B.M.1		1,842		1518,049
TP		4,470		1515,421
	5,003		1520,424	
TP		4,582		1515,942
	4,741		1520,282	

	+	-	H.I.	Flv
TP		5,082		1515,201
	5,944		1521,146	
2 BM Stump		1,494		1519,651
TP		2,590		1518,585
	3,624		1522,179	
TP		3,946		1518,233
	4,450		1522,683	
TP		4,781		1517,802
	4,935		1522,737	
TP		4,672		1518,065
	5,985		1524,050	
TP		3,464		1520,586
	3,340		1523,926	
TP		4,643		1519,283
	4,910		1524,193	
TP		5,084		1519,109
	5,403		1524,512	
3 BM Sandtrap		2,970		1521,542
TP		1,360		1523,152



	+	-	H.I.	Elev
	5.345		1528.497	
B.M. 4	Headgate	4.630		1523.867
TP		4.728		1523.769
	2.488		1526.257	
TP		4.120		1522.137
	6.200		1528.337	
TP. 5 B.M.		1.195		1528.152
	4.191		1532.343	
TP		3.788		1529.555
	10.030		1539.585	
TP		11.582		1528.003
	5.333		1533.836	
TP		1.747		1531.589
	3.464		1535.053	
TP		2.300		1532.753
	4.030		1536.783	
TP		4.060		1532.723
	12.973		1545.696	
TP		2.952		1542.744
	5.758		1548.502	

	+	-	H.I.	Elev
B.M. TP. 7	Rock	4.790		1543.712
	4.474		1548.186	
TP		7.484		1540.702
	7.049		1547.751	
B.M. 8	Rock	3.924		1543.829
B.M. TP.		6.840		1540.911
	4.352		1545.263	
TP		4.607		1540.656
	5.439		1546.095	
TP		4.239		1541.856
	6.081		1547.937	
TP		3.435		1544.502
	5.824		1550.126	
TP		2.963		1547.163
	10.061		1557.224	
B.M. Rock 9		3.224		1554.000
TP		4.440		1552.784
	4.990		1557.774	
	2.842		1554.932	



	+	-	HI	Elev		+	-	HI	Elev
	4.175		1559.107			3.425		1580.916	
TP		5.419		1553.688	TP		5.018		1575.898
	8.405		1562.993			5.409		1581.307	
TP		1.360		1560.733	TP		2.623		1578.684
	12.079		1572.812			7.840		1586.524	
B.M. Tall 10	3.284		1569.528		TP		4.000		1582.524
TP		0.664	1578.930	1572.148		3.938		1586.462	
	6.782		1578.930		TP		3.680		1582.782
TP		2.100		1576.830		6.050		1588.832	
	6.987		1583.817		B.M. 2		2.129		1586.703
TP		3.685		1580.232		3.141		1589.944	
	3.914		1584.146		TP		5.368	1591.3	1584.476
TP		7.918		1576.226		6.910		1591.086	
	7.770		1583.998		TP		3.780		1587.606
TP		3.300		1580.698		8.172		1595.778	
	4.628		1585.326		TP		10.806		1584.972
TP		4.925		1586.401		5.279		1590.251	
	3.044		1583.445		TP		4.592		1585.659
Live Oak N. B.M. 11	0.842		1582.603			4.855		1590.514	
TP		5.954		1577.497	B.M. 3 Rock		0.970		1589.644



Sta	+	HI	-	Elev
TP			3.779	1586.735
	6.665	1593.400		
TP			3.174	1590.216
	6.560	1596.776		
TP			3.436	1593.240
	5.250	1598.590		
<del>14</del> B.M.			1.122	1597.468
TP			3.758	1594.832
	5.558	1600.390		
TP			3.832	1596.558
	4.750	1601.308		
TP			4.022	1597.286
	5.204	1602.490		
TP			3.005	1599.485
	5.807	1605.292		
TP			3.508	1601.784
	5.944	1607.728		
TP			2.960	1604.828
	5.710	1610.538		
No 15 B.M.			1.974	1608.564

Rock N. 4  
Road below  
Salazar

Sta	+ S	H. I	- S	Elev
TP			4.270	1606.268
	7.062	1613.330		
TP			3.923	1609.407
	6.100	1615.507		
TP			3.150	1612.357
	6.195	1618.552		
TP			3.502	1615.050
	3.541	1618.591		
TP			2.845	1615.746
	5.460	1621.206		
TP			1.456	1619.750
	11.086	1630.836		
TP			2.110	1628.726
	3.808	1632.534		
TP			1.469	1631.065
	6.721	1637.786		
B.M. <sup>16</sup>			4.625	1633.161
				Rock
TP			3.363	1634.123
	6.835	1641.258		
TP			3.789	1637.469
	7.750	1645.219		

T.B.M.

Rock



Sta	+ S	H.I.	- S	Elev
TP			4.180	1641.039
	5.180	1646.219		
TP			0.968	1645.251
	11.000	1656.251		
TP			0.445	1655.806
	8.106	1663.912		
TP			1.610	1662.302
	8.595	1670.897		
TP			3.745	1667.152
	3.575	1670.727		
TP			3.552	1667.175
	5.903	1673.078		
B.M. 17	oak tree		2.430	1670.648
	0.000	1670.648		
TP			12.462	1658.186
	0.132	1658.318		
TP			5.062	1653.256
	2.950	1656.206		
TP			6.988	1649.218
	5.598	1654.886		

Sta	+ S	H.I.	- S	Elev
TP			6.750	1648.056
	8.302	1656.358		
TP			2.782	1653.576
	4.665	1658.241		
TP			3.538	1654.703
	6.840	1661.543		
TP			3.503	1658.040
	11.670	1669.710		
TP			0.730	1668.980
	10.905	1679.885		
B.M. 18	oak tree		0.558	1679.327
	3.168	1682.495		
TP			7.380	1675.115
	4.007	1679.122		
T.B.M.			0.740	1678.282
	4.205	1682.487		
TP			4.178	1678.309
	6.494	1684.803		
TP			4.100	1680.708
	6.226	1686.909		



Sta	+S	H.I.	-S	Elev.	Sta	+S	H.I.	-S	Elev.
TP			4.875	1682.038		5.455	1683.043		
	5.977	1688.011			B.M. 21			0.512	1682.531
B.M. 19			0.234	1687.777		11.050	1693.541		
TP			3.146	1684.175	TP			2.634	1690.907
	1.322	1686.137				5.644	1696.551		
TP			3.815	1682.328	TP			3.240	1693.311
	6.272	1689.192				5.875	1699.186		
TP			2.970	1686.222	TP			0.846	1698.340
	5.240	1691.462				3.910	1702.250		
TP			4.542	1686.914	TP			12.198	1690.052
	10.803	1697.717				3.844	1693.896		
TP			1.930	1695.787	B.M. 22			2.682	1697.214
	5.138	1700.925				3.475	1694.689		
B.M. 20	<small>oak tree</small>		5.880	1695.045	TP			1.290	1693.399
	0.130	1695.195				3.300	1696.699		
TP			12.822	1682.353	TP			2.984	1693.715
	2.235	1689.588				4.672	1698.387		
TP			5.675	1678.913	TP			2.990	1695.317
	8.775	1682.538				7.926	1703.323		
TP			5.300	1677.588	TP			5.456	1697.847



Sta	+S	HT	-S	Elev
	4.060	1701927		
TP )			4.327	1697600
	4.863	1702463		
B.M. 23	Real in Lump		1.600	1700857
TP			0.740	1701723
	11.895	1713618		
TP			1.727	1712196
	4.743	1716939		
R			4.628	1712311
	12.404	1724715		
TP			2.093	1722622
	11.525	1734147		
B.M. <sup>24</sup>	Flat Rock		14.83	1732664
	12.588	1745252		
TP			1.100	1744152
	12.836	1756988		
TP			0.232	1756756
	12.790	1769546		
TP			0.493	1769053
	12.565	1781618		

Sta	+S	HT	-S	Elev
<sup>25</sup> B.M.	King Bank N. Creek		0.450	178168
	11.840	1793008		
TP			0.372	1792636
	7.100	1799736		
TP			3.660	1796076
	11.592	1807668		
TP			0.456	1807212
	12.710	1819922		
TP			2.600	1817320
	8.164	1825486		
TP			12.060	1813426
	2.603	1816029		
TP			12.965	1803064
	0.198	1803262		
TP			12.795	1790467
	0.500	1790927		
B.M. <sup>26</sup>			4.630	1786317
	9.032	1781935		
TP			4.260	1786193
	4.812	1781383		



Sta	-S	HI	+S	Elevat.	Sta	-S	HI	+S	Elev.
TP			2,122	1783.505	TP			9.510	1837.881
	6880	1776623				3922	1833.959		
TP			7675	1784298	TP			12.582	1846.541
	1530	1782768			BM 28	6421	1840.120		Rock 2 ft on N side of creek
TP			9.000	1791.768	TP		<sup>1.13</sup> 7	0374	1846.167
	3295	1788473				12.525	1858.692		
TP			3607	1792.080	TP			0.268	1858.429
	1801	1790279				12.828	1871.252		
TP			5480	1795.759	TP			0.422	1870.830
	4226	1791533				12.088	1882.918		
TP			11.489	1803.622	TP			3.210	1879.708
	0446	1802576				12.794	1892.502		
TP			9.696	1812.272	TP			0.770	1891.732
	0492	1811780				11.166	1902.898		
TP			10.515	1822.295	TBM			0.000	1902.898
BM 27	0892	1821403		Rock N side of creek 15 ft		12.784	1915.682		
		<sup>3.391</sup> -12	8.802	1830.205	TP			17.34	1914.758
	2630	1827575				19.50	1922.878		
TP			2.828	1830.403	TP			0.500	1922.578
	3032	1827371				10.412	1933.010		



Sta	+S	H.I	-S	Elev
TP			1.270	1931.740
	7.740	1941.480		
TP			1.016	1940.464
	11.982	1952.416		
TP			0.030	1952.416
	11.182	1963.518		
29# BM			0.277	1963.321
	4.532	1967.853		
TP			0.972	1966.881
	12.170	1979.051		
TP			0.675	1978.376
	12.492	1990.868		
TP			0.780	1990.088
	12.688	2002.756		
TP			0.430	2002.326
	12.824	2015.150		
TBM			0.404	2014.746
	9.534	2024.280		
TP			1.680	2022.600
	11.973	2034.573		

Sta	+S	H.I	-S	Elev
TP			0.153	2034.410
	12.153	2046.573		
TP			1.587	2044.986
	11.850	2056.836		
TP			0.148	2056.688
	12.882	2069.570		
TP			0.435	2069.135
	12.630	2081.765		
TP			2.404	2079.361
	12.162	2091.523		
TP			0.116	2091.407
	12.810	2104.217		
TP			0.018	2104.199
	11.617	2115.816		
TP			1.748	2114.148
	12.700	2126.849		
TP			0.672	2126.176
	11.782	2137.958		
TP			0.090	2137.868
	11.230	2149.098		



Sta	+S	HI	+S	Elev
TP			0.793	2148.305
	11.343	2159.648		
TP			0.555	2159.093
	12.084	2171.177		
TP			2.170	2169.007
	12.562	2181.569		
TP			0.443	2181.126
	12.932	2194.058		
TP			0.221	2193.837
	12.745	2206.582		
TP			0.015	2206.567
	12.943	2219.510		
TP			1.026	2219.484
	12.689	2231.170		
TP			2.968	2228.205
	12.960	2241.165		
TP			2.515	2239.650
	11.909	2250.559		
			0.000	2250.559

Sta	+S	HI	-S	Elev
	13.050	2263.609		
TP			0.391	2263.218
	11.867	2275.085		
TP			0.752	2274.333
	12.866	2287.199		
TP			0.264	2286.935
	12.944	2299.279		
TP			1.200	2298.679
	12.579	2311.268		
TP			0.720	2310.548
	12.314	2322.862		
			0.955	2321.907
	12.230	2334.137		
			0.102	2334.035
	12.410	2346.445		
			0.120	2346.325
	12.315	2358.640		
			0.169	2358.471
	12.235	2370.706		
			1.760	2369.946



Sta +s HI -s Elev

	11.595	2380.548		
TP			0.660	2379.884
	12.804	2392.688		
TP			3.722	2388.966
	11.812	2400.778		
TP			0.788	2399.990
	13.050	2413.040		
TP			2.330	2410.710
	10.822	2421.532		
TP			4.318	2417.214
	12.864	2430.078		
TP			6.320	2423.758
	5.162	2428.920		
TP			0.780	2428.140
	12.888	2446.028		
TP			0.353	2440.675
	11.850	2452.525		
TP			0.875	2451.650
	12.993	2464.643		
			0.190	2464.453

Sta +s H.I -s Elev.

	13.010	2477.463		
TP			0.052	2477.411
	10.909	2488.320		
TP			2.024	2486.296
	12.727	2499.023		
TP			0.428	2498.595
	12.508	2511.103		
TP			0.756	2510.347
	12.684	2523.831		
TP			1.624	2521.407
	12.798	2534.205		
TP			0.572	2533.633
	12.627	2546.260		
TP			0.758	2545.502
	12.187	2557.689		
TP			1.038	2556.651
	11.200	2567.851		
TP			0.066	2567.785
	12.532	2580.317		
TP			0.228	2580.089 TBM



Sta	+S	HI	-S	Elev
	12400	2592.459		
TP			0.286	2592.203
	12183	2604.386		
TP			0.083	2604.303
	12775	2617.078		
TP			0.577	2616.501
	13008	2629.509		
TP			0.388	2629.121
	12720	2641.841		
TP	1		0.502	2641.339
	12540	2653.879		
TP			0.963	2652.916
	12770	2665.886		
TP			0.800	2664.886
	12262	2677.148		
TP			0.285	2676.903
	12265	2689.178		
TP			0.161	2689.017
	12990	2702.007		
TP			0.544	2701.463

Sta	+S	HI	-S	Elev
	12975	2714.448		
TP			0.414	2714.034
	9543	2723.577		
TP			0.235	2723.342
	10015	2733.57		
TP			0.287	2733.283
	12789	2745.859		
TP			0.430	2745.429
	12580	2758.009		
B.M			3.325	2754.684
TP			2.198	2755.811
	9863	2769.674		
TP			0.121	2769.553
	12810	2772.363		
TP			3.604	2768.759
	12779	2781.538		
TP			0.110	2781.428
	7760	2789.88		
TP			10.761	2778.427



Sta + S H. I. - S Elev.

6.827 2785.254

TP 3.120 2782.134

11.618 2793.752

TP 2.224 2791.528

13.050 2804.576

TP 3.226 2801.352

12.449 2813.801

TP 1.788 2812.013

13.049 2825.062

TP 1.280 2823.782

10.730 2834.512

TP 0.725 2833.787

11.590 2845.277

TP 3.550 2841.827

12.990 2854.812

TP 0.055 2854.762

12.009 2866.771

TP 3.185 2863.586

12.504 2876.090

TP 0.440 2875.650

Sta + S H. I. - S. Elev.

13046 2888.696

TP 0.696 2888.000

12445 2900.445

TP 0.712 2899.733

12302 2912.035

TP 0.630 2911.405

12328 2923.733

TP 0.267 2923.466

12320 2935.996

TP 0.515 2935.481

12775 2948.356

TP 0.059 2948.297

12860 2961.157

TP 0.021 2961.136

12721 2973.837

TP 0.390 2973.447

12479 2985.376

TP 0.065 2985.311

12950 2997.328

TP 0.412 2997.916

13010 3010.926



Sta	+S	HT.	-S	Elev.
TP			0040	3010386
	12568	3023454		
TP			0470	3022984
	12950	3035934		
TP			0287	3035647
	5523	3041170		
B.M.	Nend dam		2880	3038290
	5652	3043942		
TP			7030	3026912
	4140	3041052		
TP			12998	3029054
	11092	3029146		
TP			12960	3016186
	4543	3020729		
TP			11932	3008797
	10060	3018857		
TP			4968	3013889
	4998	3018987		
TP			5807	3012050
	10500	3023580		
U.S.S.	3010.00		9810	3093770

Check book 1533,598  
 Barnett to Hansen. 1-11, -14  
 B.M. 0717 1534,315 1533,598  
 TP 12449 1521,866  
 0503 1522,369  
 TP 9129 1513,240  
 2920 1516,160  
 TP 10,853 1505,307  
 1440 1506,747  
 TP 11,293 1495,484  
 4389 1499,843  
 TP 0619 1499,224  
 10,110 1509,334  
 TP 5637 1503,697  
 12,309 1514,006  
 TP 4592 1509,414  
 7483 1516,897  
 TP 4710 1512,187  
 1800 1513,987  
 TP 4012 1509,975  
 4551 1514,526  
 TP 4780 1509,7448  
 11,024 1520,767 10,348 1510,422  
 55,246 78,422 ✓



Sta + S H.I. - S Elev

4968 1515.390

TP 5.133 1510.257

4402 1514.659

TP 4.030 1510.629

5125 1515.754

TP 4.915 1510.829

6015 1516.854

TP 3.880 1512.974

4261 1517.235

TP 5.302 1511.933

5170 1517.163

TP 4.103 1513.000

4831 1517.831

TP 5.202 1512.629

5436 1518.065

TP 2.624 1515.441

4041 1519.482

TP 6.760 1512.722

7392 1520.094

TP 5.912 1514.152 ✓

51621 47.861

Sta + S H.I. - S Elev

6800 1519.982

BMI 1.952 1518.030

TP 4.004 1516.978

4066 1520.044

TP 4.142 1516.902

4870 1520.772 15

TP 5.039 1516.733

4788 1520.521

BMI2 0.900 1519.621

2.350 1521.971

TP 4.835 1517.136

5669 1522.805

TP 5.550 1517.255

5.562 1522.817

TP 4.970 1517.847

5.222 1523.079

TP 4.059 1519.020

4210 1523.230

TP 2.709 1520.521

4.263 1524.784

42.547 36.208 ✓



Sta	+S	HI	-S	Elev
TP	4260		5,723	1519,061
	5,154	1524,245		
TP			5,222	1519,223
	5,210	1524,233		
BM3			2,720	1524,513
	6,854	1528,267		
TP			4,602	1523,764
	5,243	1529,007		
TP BM4			5,170	1523,837
	4,310	1528,147		
TP			4,132	1524,015
	3,716	1527,721		
TP			3,020	1524,711
	4,684	1529,345		
BM5		(1230)	1628,115	
TP			4,006	1523,339
	3,365	1528,704		
TP			2,524	1526,150
	42,779	38,350		
	6,028	1532,208		
BM6		(1824)	1530,394	

Sta	+S	HI	-S	Elev
TP BM7	6,028		1,644	1530,564
	3,479	1534,043		
TP			3,840	1530,203
	5,615	1535,818		
TP			0,900	1534,918
	10,430	1545,348		
TP			3,704	1541,644
	5,920	1547,464		
TP BM7½			4,790	1542,674
	2,103	1544,777		
TP BM8			1,979	1542,798
	2,621	1545,429		
TP			6,116	1539,213
	4,960	1544,273		
TP			3,485	1540,788
	4,583	1545,671		
TP			3,681	1541,990
	6,422	1548,412		
TP			2,303	1546,109
	52,371			
	32,442			
	19,929			
			52,442	26,180
				19,929



Sta	+S	HI	-S	Elev
	8.305	1554.414		
B.M. 9			(1.464)	1552.950
TP			2.682	1551.732
	4.964	1556.696		
TP			2.190	1554.506
	2.900	1557.406		
TP			4.375	1553.031
	5.910	1558.941		
TP			0.130	1558.811
	11.037	1569.898		
TP B.M. 10			1.372	1568.526
	7.414	1575.940		
TP			3.542	1572.398
	6.040	1578.438		
TP			11.00	1577.338
	5.527	1582.865		
T.B.M.			2.644	1580.221
	3.300	1583.521		
TP	58.447 20.663 34.784		2.628	1580.893
			20.663	1546.109
			34.784	1547.84

Sta	+S	HI	-S	Elev
	3.683	74.576		
TP			11.310	1573.266
	6.950	1580.216		
TP			0.290	1579.926
	3.245	1583.171		
TP			2.460	1580.711
	2.040	1583.751		
B.M. 11			(2.165)	1581.586
TP			6.080	1577.671
	3.753	1581.426		
TP			6.028	1575.398
	7.108	1583.506		
TP			3.615	1579.891
	7.905	1587.696		
TP			5.731	1581.965
	3.675	1585.640		
TP			3.270	1582.370
	5.804	1588.174		
B.M. 12			(2.528)	1575.646
TP			2.127	1576.047



Sta +S H.I. -S Elev

Sta +S HI -S Elev

5375 1591.422  
TP 1.926 1589.496

3675 1599.329  
TP 2.825 1596.504

3952 1593.448  
TP 9.300 1584.148

5135 1601.639  
TP 2.772 1598.867

5070 1589.188  
TP 4.164 1585.024

6200 1605.067  
TP 3.880 1601.187

5180 1590.204  
B.M.13 (1.678) 1588.526

5440 1606.627  
TP 2.755 1603.872

TP 3.244 1586.960  
6344 1593.304

5575 1609.447  
B.M.15 (1.893) 1607.554

TP 2.400 1590.904  
5633 1596.537

TP 3.855 1605.492  
5970 1611.472

TP 3.402 1593.135  
4783 1597.918

TP 2.927 1608.545  
5393 1613.938

B.M.14 (1.402) 1596.516  
1.330 1597.846

TP 2.920 1611.018  
6255 1617.273

TP 3.990 1593.856  
5553 1599.409

TP 4.055 1613.218  
5.064 1618.282

TP 3.755 1595.654

3.127 1615.155



Sta	+S	HI	-S	Elev
	7464	1622,619		
BM 15 1/2			3.895	1618,724
	12320	1631,044		
TP			3.569	1627,475
	12325	1639,800		
BM 16			7.722	1632,078
	7540	1639,618		
TP			4.110	1635,508
	5725	1641,233		
TP			1.142	1640,091
	11165	1657,256		
TP			0.615	1650,641
	11825	1662,466		
TP			0.500	1661,966
	8446	1670,412		
TP			0.460	1669,952
	6715	1676,667		
TP			6.853	1669,814
	2350	1672,164		
BM 17			2.644	1669,520

Sta	+S	HI	-S	Elev
TP			2.096	1670,068
	4970	1675,038		
TP			1.842	1673,196
	8135	1681,281		
TP			0.904	1680,427
	5898	1686,325		
TP			12.026	1674,299
	4790	1679,089		
BM 18			0.898	1678,191
	2914	1681,105		
TP			6.270	1674,835
	3455	1678,250		
TP			1.126	1677,164
	4690	1681,854		
TP			4.065	1677,789
	6160	1683,949		
TP			3.408	1680,541
	4725	1685,266		
			4.550	1680,716



Sta +S H.F. -S Elev

SI	6570	1687286		
BM19			8.533	1686701
TP	6415		6415	1686871
	5478	1686349		
TP			2468	1683891
	7460	1691341		
TP			2115	1689226
	7900	1698126		
TP			6430	1691696
	4168	1695864		
TP			1800	1694064
BM20				
	0857	1694921		
TP			12550	1682371
	2375	1685246		
TP			7696	1677550
	3370	1680920		
TP			3102	1677818
	3142	1681160		
BM21			0089	1681571

Sta +S H.F. -S Elev

	10806	1692377		
TP			1624	1690753
	4728	1695471		
TP			2948	1692518
	3607	1696120		
TP			1570	1694560
	6730	1701280		
TP			10348	1690932
	9410	1700342		
BM22			10080	1690262
TP			5976	1694366
	4350	1699216		
TP			1572	1697644
	3940	1701584		
TP			4699	1696885
	4879	1701764		
BM23			1878	1699886
	11095	1710981		
			0350	1710631



Sta	+S	H.I	-S	Elev
TP	12868	1723499	0.830	1722669
	12310	1734979		
TP			1740	1733239
	11460	1744699		
B.M. 24		(12867)		1731832
TP			0.452	1744217
	12510	1756727		
TP			0.333	1756394
	12785	1769172		
TP			1.982	1767200
	12670	1779580		
TP			0.803	1779077
	7376	1786453		
B.M. 25 New			2.099	1784354
TP			1.600	1784853
	12078	1796931		
TP			0.850	1796081
	12958	1809039		
TP			0.619	1808420

Sta	+S	H.I	-S	Elev
	11890	1820310		
TP			0.414	1819896
	12380	1832276		
TP			3.920	1828356
	2.935	1831291		
TP			10.862	1820429
	2.235	1822661		
TP			12.047	1810617
	0.698	1811315		
TP			12.150	1799165
	0.335	1799500		
TP			12.983	1786517
	0.185	1786702		
B.M. 26			1.459	1785243
TP			9.193	1777609
	5.404	1783013		
TP			9.150	1773863
	6.970	1780833		
TP			0.730	1770103



Sta	+S	HI	-S	Elev
	9.000	1789.103		
TP			1.940	1787.163
	13.000	1500.163		
TP			3.625	1796.538
	11.950	1808.518		
TP			2.309	1806.209
	6.248	1712.957		
TP			0.316	1812.641
	11.075	1823.716		
BM27			3.325	1820.391
	7.743	1829.234		
TP			2.982	1826.252
	3.020	1829.272		
TP			2.270	1827.002
	10.224	1837.226		
TP			3.869	1833.357
	6.640	1836.997		
BM28			1.884	1838.113



Sta	BS	HI	FS	Elev
	3.00	84.59		81.59
79 + 23 <sup>75</sup> Δ			5.86	78.73
			6.2	78.4
79			6.4	78.2
TP	3.87	82.64	5.82	78.77
+50			3.8	78.8
78			4.2	78.4
+39 <sup>90</sup> Δ			5.85	76.79
			5.7	76.9
77			4.7	77.9
+50			4.7	77.9
76			5.1	77.5
+50			5.6	77.0
75			6.5	76.1
+70			5.2	77.4
+65			6.4	76.2
+55			4.8	77.8
+47			3.2	79.4
+22 <sup>45</sup> Δ	2.38	83.55	1.47	81.17
			7.2	76.3 ✓

BM #11 1581.594

Hub

Ext. 4'

Hub

Ext. 2'

Hub

Ext. 24



R n  
L

Sta.	BS	HI	FS	Elev.
74	83.55	2.0	81.5	
+90		4.9	78.6	
+63		7.3	76.2	
+50		6.4	77.1	
73		7.6	75.9	
+50		7.4	76.1	
+02		8.8	74.7	
72		9.8	73.7	
+98		8.7	74.8	
+50		8.3	75.2	
+30		10.3	73.2	
+20		8.1	75.4	
71		8.0	75.5	
+72 <sup>50</sup>		10.26	73.29	

Hub



101  
45

56  
UR  
BS  
25

19  
H1  
FS

181  
158  
2.3

85  
57  
2.8

10.25 110.25 100

12.95 122.35 8.85 109.40

1.20 121.15

118.4  
14

10.70 110.70

11.35 121.20 0.95 109.85

12.4 112.4 100

0+50 9.5 102.9

1 7.2 105.2

+50 2.9

~~9.6~~ 9.6 118.1 3.9 108.5

2+50 8.5 109.6

3 5.7 112.4

+50 1.8 116.3

6.3 123.1 1.3 116.8

5.5

1100/600/15  
5.5  
5.5

10.70 103  
4.50 66  
6.20 37 475

2.2 +50 6.20

4.9 4.5 1.70

2100 (4. 4.5  
1900  
2000 13.5

121.20 H.  
113.5 = 300 7.7

107.70 7.7

9.9 8.6 102.2 1.1 7.7 350

112.4 112.4 112.4 5.5 50 2.3

118.1 118.1 118.1 5.5 100 4.5

Grade 107.8 10 106.5 5.6 7.8 200 9.0

3.4 +75 10.1 +70 11.3

102.25 113 118.1 118.1 118.1 5.5 300 13.5

104.5 6.8 109.5 9.1 +15 14.2 50 15.8

123.1 118 400 18.0

125.1 118 2.9

+	-	+	+
6	7	5	5
8		5	
3.0		5	
3.6		5	
4.4	for 50'	7	
4.1	do.	4	
		8	
		5	grade 4 higher
		-5	
		5	" 4 "
		5	

1.7 | at 9.50 raised .5

at 9.50 raised .5

5



	BS	HI	FS	Elev
12+50	3.2	33.60	5.5	28.1

$$\begin{array}{r}
 42.80 \\
 1.50 \\
 \hline
 41.30 \text{ predict A28} \\
 28.1 \\
 \hline
 13.2
 \end{array}$$

A 1530.40

12+50 = A 15+85

$$\begin{array}{r}
 1215 \\
 \cdot 08 \\
 \hline
 9720
 \end{array}$$

$$\begin{array}{r}
 1320(1.08 \\
 1215 \\
 \hline
 10500 \\
 9720 \\
 \hline
 0
 \end{array}$$

A28  
~~15.85~~  
 12.15



June 1, 1914.

PHOTOGRAPHS OF CONDUIT LINE ON COTTONWOOD

FROM STATION 290 - WEST

KODAK  
EASTMAN 3A SPECIAL MODEL A

TAKEN BY J. C. Kneeshaw

MAY - 30 - 1914

TIME	LIGHT	ROLL NO.	FILM	STOP	EXP.	LEN <sup>TH</sup> OF	DIREC. T&N	STATION	REMARKS
9:25 AM	Hazy SUNB.	1	1	45	3		NE	284 to 285	
9:30	SUN	1	2	45	3		E	283	
9:40	B	1	3	45	3		NW	279 to 277+20	
10:00	B	1	4	45	3		W	275 to 274+31	
10:10	B	1	5	45	3		NE	270 to 272	
10:20	B shade	1	6	45	1/2		SW	265 to 264	
10:30	B	1	7	45	3		E	260 to 261	
10:35	B	1	8	45	3		W	255 to 254	
10:40	B shade	1	9	45	3		W	251+50 to 250	
10:45	B	1	10	45	1/2		W	247 to 246	
11:00	B	2	11-1	45	3		E	241 to 242	
11:10	B	2	12-2	45	3		E	233 to 235	
11:15	B	2	13-3	45	3		E	227 to 229	
11:25	B shade	2	14-4	45	1/2		E	224 to 225	
11:30	B shade	2	15-5	45	1/2		NE	219 to 220	
11:35	B	2	16-6	45	3		E	213 to 214	

Time light Roll no. No. Film Stop Length Exps. Direc. Station

8:05	B shade	2	17-7	45	3/4		NE	210	
8:10	B shade	2	18-8	45	1/2		E	205	
8:15	B	2	19-9	45	3		E	200	
8:20	B	2	20-10	45	3		E	195	
8:45	B shade	3	21-1	45	1/2		SE	190	
8:55	B	3	22-2	45	3		SE	185	
9:00	B	3	23-3	45	3		E	180	
9:10	B	3	24-4	45	3		E	175	
9:15	B shade	3	25-5	45	1/2		NE	170	
9:20	B shade	3	26-6	45	1/2		E	167	
9:25	B	3	27-7	45	3		W	166	
9:30	B	3	28-8	45	3		E	164	
9:35	B	3	29-9	45	3		E	163	
9:35	B	3	30-10	45	3		W	163	

Kodak: Eastman 4 A Folding

June 1 1914 J. C. Kneeshaw

9:45	B	4	31-1	64	1/2		W	162	
9:50	B	4	32-2	64	1/2		E	161+50	
9:55	B	4	33-3	64	1/2		SE	161	
10:00	B	4	34-4	64	1/2		SE	160	



3A special (Murchison)  
Jun 10

Time	light	Rollno	Film	Stop	Exp	Dirac Tion	Sta								
10:05	B	4	35-5	64	1/2	SW	159+63	AM 9:15	B	8	55-1	45	3	NE	121
10:10	B	4	36-6	64	1/2	SW	158+59	9:20	B	8	56-2	45	3	E	119
10:25	B	5	37-1	64	1/2	NE	157+47	9:25	B	8	57-3	45	3	E	116+93
10:30	B	5	38-2	64	1/2	E	156+48	9:30	B	8	58-4	45	3	E	115
10:40	B shade	5	39-3	64	3/4	SE	155+24	9:35	B	8	59-5	45	3	SE	112+20
10:45	B	5	40-4	64	1/2	SE	153+50	9:40	B	8	60-6	45	3	SE	109+50
10:50	B	5	41-5	64	1/2	E	150	9:45	B	8	61-7	45	3	SE	107+65
10:55	B	5	42-6	64	1/2	E	148+50	9:50	B	8	62-8	45	3	E	103+80
P.M. 2:00	B	6	43-1	64	1/2	E	146+66	9:55	B	8	63-9	45	3	E	101
2:10	B	6	44-2	64	3/4	E	144	10:00	B	8	64-10	45	3	NE	97+25
2:20	B	6	45-3	64	1/2	E	143	10:10	B	9	65-1	45	3	E	95+40
2:30	B shade	6	46-4	64	1/2	W	141+21	10:15	B	9	66-2	45	3	NE	91
2:35	B	6	47-5	64	3/4	NE	139+30	10:20	B shade	9	67-3	45	3	NE	87+25
2:40	B	6	48-6	64	1/2	SE	107+40	10:25	B	9	68-4	45	5	E	84+50
2:45	B	7	49-1	64	1/2	SE	135+65	10:30	B	9	69-5	45	3	E	80+75
2:50	B shade	7	50-2	64	3/4	E	131	10:35	B	9	70-6	45	3	N	77+39
2:55	B	7	51-3	64	1/2	NE	129+80	10:40	B	9	71-7	45	3	SE	74+22
3:00	B	7	52-4	64	1/2	SE	127+50	10:45	B	9	72-8	45	3	NE	71
3:05	B	7	53-5	64	1/2	E	125+20	10:50	B	9	73-9	45	3	SE	66+50
3:10	B	7	54-6	64	1/2	E	123	10:55	B	9	74-10	45	3	S	59+18

part  
cancelled  
enough



6-10. *Wmushend*

11:05	B	10	75-1	45	.3	SE	55722	1:55	<sup>B</sup> 12	95-1	45	.3	NE	19	
11:10	B	10	76-2	45	.3	SE	52155	2:00	B	12	96-2	45	.3	E	16+33
PM shade								2:05	B	12	97-3	45	.3	E	18+59
12:30	B	10	77-3	45	.5	NE	50+94	2:10	B	12	98-4	45	.3	E	12
12:35	B	10	78-4	45	.3	SE	49	2:15	B	12	99-5	45	.3	E	10+42
12:40	B	10	79-5	45	.3	NE	46	2:20	B	12	100-6	45	.3	SE	8+22
12:45	<sup>shade</sup> B	10	80-6	45	.5	E	44+30	2:25	B	12	101-7	45	.3	SE	6+50
12:50	B	10	81-7	45	.3	SE	42+50	2:30	B	12	102-8	45	.3	E	3+50
12:55	B	10	82-8	45	.3	E	41	2:35	B	12	103-9	45	.3	E	1+10
1:00	B	10	83-9	45	.3	NW	40+11 to 39	2:40	B	12	104-10	45	.3	W	-2+25
1:05	B	10	84-10	45	.3	NE	38	8-19-14							
1:10	B	11	85-1	45	.3	NE	36	11 AM	B	13	105-1	45	.3	E	284+50
1:15	B	11	86-2	45	.3	NE	34	11:05	B	13	106-2	45	.5	E	286
1:20	B	11	87-3	45	.3	NE	30+98	11:10	B	13	107-3	45	.3	E	288+25
1:25	B	11	88-4	45	.3	SE	28+50	11:15	B	13	108-4	45	.3	E	289+50
1:30	B	11	89-5	45	.3	SE	27+26	11:20	B	13	109-5	45	.3	E	292
1:35	<sup>shade</sup> B	11	90-6	45	.5	E	26	11:25	B	13	110-6	45	.3	E	293+50
1:40	B	11	91-7	45	.3	E	24+80	11:30	B	13	111-7	45	.3	E	294+75
1:45	B	11	92-8	45	.3	SE	22	11:35	B	13	112-8	45	.3	SE	296+100
1:50	B	11	93-9	45	.3	SE	20+60	11:40	B	13	113-9	45	.3	S	297+25
1:55	B	11	94-10	45	.3	NW	20+60	11:45	B	13	114-10	45	.3	E	298+60

1371

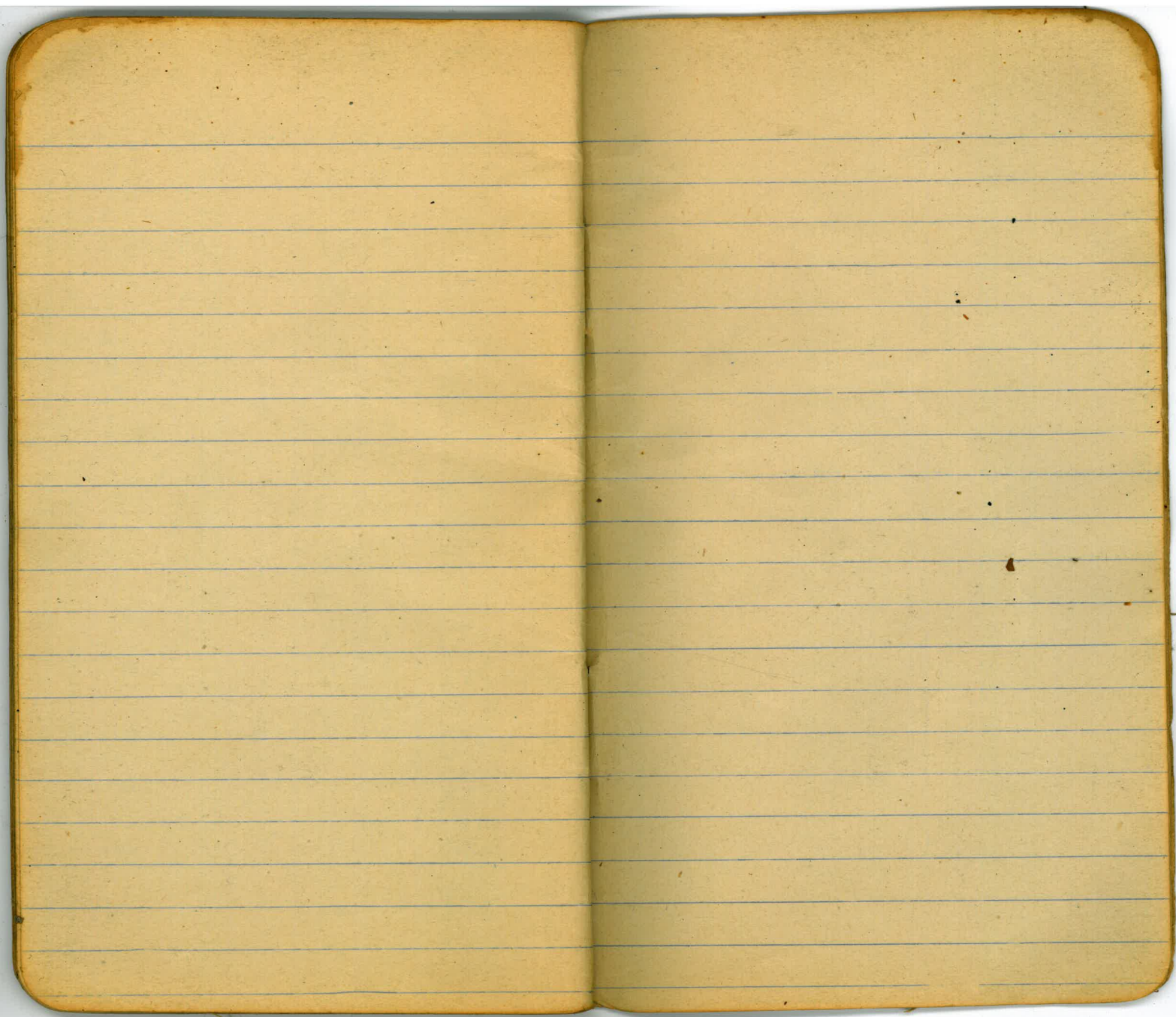


NPB Int. 58 Contour leveling  
6/30/14

5946 Ele. last Hub set by Krauseman

9.42	63.39 HI.	(on Rock) 5304
68.88 HI.	5.18	8.23
8.99	58.21 AL	61.27 HI
59.89 Elev. DP	3.37	.91
7.67	61.58 HI	60.36 HI
67.52 HI	4.51	11.91
10.72	57.07 AL	72.27 HI
57.34 Ele. DP	1.00	71.128
12.65	58.07 HI.	70.99 HI
69.79 HI.	2.41	77.15 HI.
5.08	55.66 TP	19.86
64.91 Δ R. Ele	7.88	66.27 TP
9	63.54 HI.	4.04
65.81 HI.	10.10	70.33 HI.
3.88	53.44 TP.	4.54
61.93 Ele of Rock	2.01	
1.45	55.45 HI	65.79 HI
63.88 HI.	3.27	1.84
11.25	52.18 TP	68.44 TP
52.13 Ele	2.26	10.96
3.87.	54.74 HI	79.40 HI
56.00 HI	3.80	6.50
5.11	50.94 Peg	72.90 HI
50.89 Ele	10.75	3.49
12.50	61.69 HI	75.91 ΔP
63.39 HI	8.60	9.20
4.01	53.04 Rock Δ	70.20 ΔR
59.34 Ele.		10.16
5.18		69.24 TP.
		4.20
		73.44 HI







	H1		
5.94	79.23		73.29
4.26	76.77	6.72	72.51
2.26	72.22	6.81	69.96
	72.14	3.67	68.61
2.75	71.28		
3.94	68.63	6.59	64.69
6.48	72.08	3.33	65.60
1.90	62.40	4.58	60.50
9.15	61.08	10.47	51.93
		7.79	53.29
10.95	63.92		
7.49	63.57	7.84	56.08
T.P.		5.28	58.29

9.12	67.79		58.67
7.73	72.30	3.22	64.57
2.44	70.05	4.69	67.61
2.58	67.97	4.66	65.39
3.58	63.43	8.12	59.85
9.29	64.99	7.73	55.70
12.82	71.38	6.43	58.56

Hub 70 + 72<sup>50</sup>

BM 10 68.527

5297

Mark on rock

$$+17 = \cancel{3.6} \quad 4.1 \quad 2.5$$

$$-1 = \quad \quad \quad \underline{94} \quad 858$$

$$\begin{array}{r} 10.3 \\ 9.2 \\ \hline 1.1 \end{array} \quad \begin{array}{r} 6.41 \\ 1.32 \\ \hline 7.78 \\ 1.37 \\ \hline 9.15 \end{array} \quad \begin{array}{r} 859 \\ 10.42 \end{array}$$

3.6

16.5  
17  
38.0  
3.5  
73.5

17.05  
10.9  
8.6  
7.3

53  
2.75

10.2  
8.6  
1.8

5.5  
1.3  
16.5  
5.5  
5.5

2.5  
1.5  
1.5  
1.5  
1.5

12.5 / 7.3 L 6.5  
2.5  
2.5

140 / 7.3 L 5  
500

5.20  
1.00  
6.05



H1

	71.38	12.25	3
2.64	61.77	12.25	59.13
4.87	61.87	4.77	57.00
8.53	62.76	7.64	54.23
		1.62	61.14
5.01	64.41	3.36	59.40
4.33	56.65	12.09	52.52
6.24	62.21	0.68	55.97
9.29	59.36	12.14	50.07
2.41	51.28	10.49	48.87
5.98	53.46	3.80	47.48
1.41	42.05	12.82	40.64
		12.60	29.45

A31+30

5.3  
20  
265  
100  
1325

55  
26  
29  
4  
33

55  
13  
42  
2  
46

R 16

Hub in Rock 157+47

Rod at 161+44<sup>90</sup>

First Hub 166+01

210 | 1120 | 53  
1050  
900