

Field Notes of a Meander Survey of the Rio-
Gauge from Hot Springs to Fort Quitman, and Line
thence to Camp Rice, El Paso County, Texas.

	Station	Distance	Course	Lat. N.	Lat. S.	Dep. E.	Dep. W.
Sept 27	0	536.5	N 24° 30' W	488.2			225.5
	1	454.5	N 3° 30' W	453.6			27.7
	2	640.	N 23° 30' W	58.7			25.5
	3	240	N 75° 0' W	62.1			231.8
	4	340	S 74° 30' W		90.8		327.6
	5	510	S 64° 30' W		219.6		460.3
	6	595	N 35° 30' W	484.4			345.5
	7	360	N 24° W	328.9			146.4
	8	500	N 58° 45' W	259.3			427.5
	9	440	S 44° 15' W		315.2		306.9
	10	180	N 53° 15' W	107.7			144.2
	1	190	N 28° W	167.7			89.2
	2	500	N 30° E	433.0		250.0	3.3
	3	188	N 1° W	187.9			
	4	200	N 18° 30' W	189.6			63.5
Sept 28	5	360	N 77° 50' W	75.9			351.9
	6	280	S 73° 45' W		77.3		268.8
	7	260	S 67° 30' W		99.5		240.2
	8	360	S 49° 15' W		227.7		235.0
	9	318	S 80° 15' W		53.8		313.4
	20	710	N 38° 15' W	557.6			429.5
	1	474	N 35° 15' E	387.0		273.6	
	2	120	N 26° 15' E	107.6		53.0	
	3	134	N 39° 15' W	103.8			53.8
	4	160	N 56° 45' W	87.7			133.8
	5	680	N 83° W	82.9			674.9
	6	492	N 39° W	382.3			308.6
		9646.0					

B

	Station	Distance	Course	Lat. N	Lat. S	Dep. E.	Dep. W.
1							
2							
3	Sept. 28	27	N 69° W	117.9			307.2
4		28	S 53° 30' W		297.1		402.0
5		29	S 81° 50' W		56.2		375.8
6		30	S 70° 30' W		111.8		315.8
7		1	N 73° 30' W	56.8			191.8
8		2	N 37° W	95.8			72.2
9		3	N 26° E	98.9		48.2	
10		4	N 36° E	275.0		199.8	
11		5	N 14° E	407.5		101.6	
12	Sept. 29	6	N 59° W	160.2			266.6
13		7	S 71° W		50.8		147.5
14		8	S 11° 30' W		499.7		101.7
15		9	N 76° 30' W	51.3			203.9
16		10	N 62° W	385.0			724.0
17		1	S 84° W		25.7		238.7
18		2	S 38° 30' W		301.6		244.6
19		3	N 54° W	152.2			209.5
20		4	N 21° 30' W	372.2			146.6
21		5	N 29° 30' E	336.8		190.6	
22		6	N 52° E	332.5		425.5	
23		7	N 34° 25' E	114.8		58.6	
24		8	N 5° 27' W	139.4			13.3
25		9	N 21° W	93.4			35.8
26		10	N 29° 30' W	800.8			453.0
27		1	N 10° 30' W	177.0			32.8
28		2	N 25° 30' E	631.8		301.6	
29		3	N 24° W	122.4			54.5
30	Sept. 30	4	N 60° 30' W	35.0			61.8
31							
32							

B'

	Station	Distance	Course	Lat. N.	Lat. S.	Dep. E.	Dep. W.
Sept. 30	55	720	N 83° W	87.7			714.6
	6	271	N 48° 30' W	179.6			203.0
	7	850	N 31° 30' E	724.7		444.1	
	8	193	N 7° W	191.5			23.5
	9	311	N 15° W	300.4			80.5
	60	290	N 40° W	222.1			186.4
	1	290	N 49° W	190.3			219.0
	2	690	S 60° W		345.		597.5
	3	270	N 58° 30' W	141.1			230.2
	4	247	N 11° 30' W	242.0			49.2
	5	636	N 6° 22' E	632.0		70.5	
	6	420	N 68° 37' W	153.9			390.8
	7	232	N 18° W	210.6			71.7
	8	113	N 64° 30' W	48.6			102.0
	9	239	N 78° W	49.7			233.8
	70	578	N 83° 48' W	55.9			515.0
	1	180	S 88° W		6.3		179.9
	2	126	N 46° W	87.5			56.6
	3	460	N 30° 30' W	296.3			233.4
Oct. 1	4	198	N 50° W	127.3			151.7
	5	727	N 64° 18' W	316.9			634.4
	6	1291	N 39° 04' W	1002.3			813.6
	7	2464	N 56° 29' W	1360.6			2054.6
	8	2040	N 18° 37' W	1934.1			647.3
	9	507	N 59° 42' W	255.8			437.5
	80	1226	N 10° 04' W	1207.1			214.3
Oct. 2	1	360	N 22° 04' W	333.6			135.3
	2	280	N 47° 34' W	188.9			204.7
	3	484	N 68° 04' W	180.8			445.

B²

	Station	Distance	Course	Lat. N.	Lat. S.	Dep. E.	Dep. W.
Oct. 2	84	396	S76°26'W		93.1		384.1
	5	240	N67°54'W	93.5			221.0
	6	220	N9°56'E	216.7		38.4	
	7	320	N0°26'E	320.0		2.4	
	8	410	N33°19'W	342.6			225.2
	9	540	N42°19'W	393.3			363.5
Oct. 3	90	240	N75°02'W	62.0			231.9
	1	320	S85°38'W		24.4		319.1
	2	235	S75°08'W		60.3		226.1
	3	240	N1°22'W	239.9			5.7
	4	640	N30°08'E	553.5		321.3	
	5	390	N83°08'E	40.7		387.1	
	6	143	N15°52'W	137.6			39.1
	7	295	N51°7'W	185.5			229.6
	8	35	N17°22'W	33.7			10.4
	9	120	N1°08'E	120.0		2.4	
	100	372	N4°08'E	371.0		26.8	
	1	640	N26°37'W	572.2			286.7
	2	260	N72°37'W	77.7			248.1
	3	390	S66°53'W		153.0		358.7
	4	280	S81°53'W		39.5		270.2
	5	200	S78°53'W		38.6		196.2
	6	400	S81°53'W		56.5		396.0
	7	261	S73°53'W		72.5		250.7
	8	675	N8°22'W	667.8			97.8
	9	765	N38°52'W	564.5			454.9
	110	1200	N5°22'W	765.5			924.1
Oct. 4	1	240	N41°52'W	178.7			160.2
	2	363	N33°22'W	303.2			199.7

B³

Oct. 4

Station	Distance	Course	Lat. N	Lat. S	Dep. E.	Dep. W.
113	380	N 68° 07' W	141.6			352.6
4	615	N 53° 07' W	369.0			492.0
5	240	N 70° 52' W	78.7			226.8
6	230	S 12° 38' W		224.4		50.3
7	260	S 24° 32' E		336.8	107.3	
8	160	S 77° 58' W		33.3		156.5
9	740	N 84° 02' W	76.9			736.0
120	220	N 38° 32' W	172.1			137.0
1	775	N 8° 32' W	766.4			115.0
2	800	N 75° 52' W	195.4			778.8
3	640	N 81° 32' W	94.2			633.0
4	747	N 52° 17' W	457.0			590.9
5	180	N 26° 32' W	161.0			80.5
6	200	N 29° 28' E	177.5		92.2	
7	420	S 87° 17' E		19.9	419.5	
8	240	N 84° 43' E	22.1		239.0	
9	340	N 12° 58' E	333.3		76.3	
130	340	N 20° 32' W	318.4			114.3
1	335	N 2° 28' E	334.7		14.8	
2	520	S 74° 13' W		141.4		500.4
3	300	N 64° 47' W	127.8			271.4
4	1040	N 39° 32' W	804.2			662.0
5	200	N 14° 28' E	193.7		50.0	
6	880	N 29° 58' E	762.3		439.6	
7	155	N 16° 32' W	146.6			44.1
8	420	N 46° 17' W	290.3			303.6
9	660	N 44° 02' W	474.5			458.8
140	1020	N 3° 32' W	1018.1			62.8
1	1410	N 5° 32' W	1403.4			136.9

Oct. 5

B⁴

Station	Distance	Course	Lat. N.	Lat. S.	Dep. E.	Dep. W.
142	725	N 41° 28' E	543.2		480.1	
3	340	N 65° 58' E	337.5		41.2	
4	240	N 13° 32' W	233.3			56.2
5	780	N 81° 02' W	121.6			769.5
6	420	N 45° 02' W	296.8			297.1
7	780	N 37° 17' W	620.6			472.5
8	800	N 42° 32' W	589.5			540.8
9	304	N 85° 02' W	26.3			302.8
150	200	N 11° 58' E	195.7		41.5	
1	777	N 17° 58' E	739.1		239.7	
2	760	N 51° 17' W	475.4			593.0
3	360	N 3° 28' E	359.3		21.8	
4	160	N 18° 58' E	157.3		52.0	
5	287.5	N 58° 02' W	152.0			243.9
6	469	S 69° 58' W		160.7		440.6
7	287	S 59° 58' W		143.9		248.9
8	213	N 77° 17' W	46.9			207.8
9	380	N 26° 47' W	339.2			171.2
160	794	N 23° 43' E	726.9		319.3	
1	320	N 1° 47' W	319.8			10.0
2	640	N 22° 47' W	590.1			247.8
Totals Latitude and Departure at						
Pt where line to Camp Rice leaves						
River -						
163	740	S 77° 10' W				
164	1420	N 71° 40' W				
End of Meander Line -						
Total Northing				38,231.4	yards	
" Westing				31,868.8	"	

B5

Station	Distance	Course	Lat N	Dep W
Sta 0 =	162 of Meander Line			
1	420	N 22° 47' W	387.7	161.5
2	644	N 45° 31' W	450.5	460.3
From this point the supposed S.E. corner of Ht Quitman survey bears S 45° W 386 varas and from this point Point of Mountain West of Quitman Cañon bears S 85° 30' E and Precipice to Right of Mountain East of Blanco Pass bears N 47° 15' E				
3	230	N 31° W	196.2	118.4
4	3491	N 39° W	2712.9	2196.9
5	520	N 51° W	327.2	404.1
6	3400	N 57° 30' W	1826.8	2867.6
7	4411	N 64° 30' W	1894.5	3982.6
8	600	N 63° 30' W	267.7	536.9
9	1320	N 38° W	1040.2	812.7
10	300	N 30° W	259.8	150.0
1	545	N 48° 30' W	44.4	353.9
2	500	N 46° 15' W	345.7	361.2
3	260.5	N 58° W	1380.4	230.9.0
4	1000	N 59° W	515.	857.2
5	1000	N 57° 30' W	537.3	843.4
6	1540	N 17° W	1471.7	450.3
7	4722	N 49° W	3098.1	3563.7
8	1880	N 31° 30' W	1602.9	982.3
9	1410	N 26° W	1267.3	
20	1556	N	1556.0	618.1
1	1900	N 50° W	1221.3	1455.4

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Station	Course	Distance	Lat. N.	Dep. W.
22	N 53° W	750	407.3	599.0
23	N 55 W	97	54.9	79.9
To Head Block at west end Camp Rice				
Switch from whitish				
Meander line of Rio Grand below				
Hot Springs Sta 0-0 1 st meander line				
0	S 10° E	27.7		
1	S 40° E	66.0		
2	N 50° E	299		
3	S 36° E	220		
4	S 30° 30' E	400		
5	S 59° E	300		
6	N 62° E	580		
7	N 29° 40' E	540		
8	N 20° E	599		
9	N 26° 20' E	202		
10	N 63° E	397		
1	N 89° 41' E	559		
2	S 46° 11' E at 85			
3	S 8° 49' W	115		
3	S 8° 49' W	800		
4	N 88° 49' E	600		

Large painted blue lines true Boulder between where ledges on either side of River come to the water stone mound 50 feet left at Right Angles with line.

B7