

S.P. River Alignments Camp Rice to Haskell.

	Sta	Angle	S. Fav	Tang.	Dist.	Course	Lat. N.	Lat. S.	Dep. E.	Dep. W.
	3020+147		805.0		2505.0	S 53° 23' E		1494.0	2013.5	
B.C.	3037+147									
E.C.	3053+247	2° 41'		7491.9						
B.C.	3125+166		821.4		9118.3	S 50° 42' E		5775.5	7055.7	
E.C.	3144+45.3	16° 19'		4996.						
B.C.	3194+44.3		841.4		6659.	S 34° 23' E		5495.1	3761.1	
E.C.	3210+91.9	25° 50'		940.2						
B.C.	3305+02.1		772.3		11023.9	S 53° 13' E		4967.3	9541.3	
E.C.	3319+70	44° 02'								
E.C.	3328+72	45° 06'	476.0		1248.3	N 72° 15' E	370.1		1192.6	
B.C.	3343+65.3		774.6	1493.3	2743.9	N 27° 39' E	2430.5		1273.2	
E.C.	3359+05.3	15° 21'	3071.4							
B.C.	3359+76.7		308.3		4154.3	N 43° 03' E	3036.0		2835.7	
E.C.	3395+90	18° 24'	1820							
B.C.	3414+10		380.0		2508.3	N 61° 27' E	1195.9		2203.2	
E.C.	3424+70	2° 32'		2797.						
B.C.	3441+67		4492		3626.2	N 63° 59' E	1590.5		3258.9	
E.C.	3458+47	26° 28'		2702.7						
B.C.	3485+49.7		393.4		3545.3	S 59° 33' E		28.0	3545.3	
E.C.	3492+95.3	44° 46'		923.8						
B.C.	3502+19.6		393.8		1711.0	N 45° 41' E	1195.3		1224.2	
E.C.	3509+99.6	19° 30'		710.6						
B.C.	3517+10.2		657.1		1761.5	N 65° 11' E	739.4		1598.7	
E.C.	3529+03.2	59° 39'		2168.8						
B.C.	3550+72		1426.0		4251.9	S 55° 10' E		2428.5	3489.8	
E.C.	3573+96.4	90° 55'		1456.1						
B.C.	3587+54.5		187.2		3069.3	N 33° 55' E	2547.8		1711.1	
E.C.	3591+17.3	12° 48'		561.5						
B.C.	3596+79.3		778.7		1527.4	N 21° 12' E	1424.0		552.3	

Sta:	Angle	Jan. Tang:	Dist.	Course	Lat. N.	Lat. S.	Dept. E.	Dept. W.
E.C. 3610.76.6	62°53'	487.1						
B.C. 3615.63.7		328.1	1593.9	N 81°05' E	164.3		1555.3	
E.C. 3622.16.2	13°03'	1314.3						
B.C. 3635.30.5		438.0	2080.4	N 71°02' E	676.1		1967.1	
E.C. 3643.91.8	25°50'	178.						
B.C. 3648.66.8		610.5	1523.5	S 83°05' E		182.2	1512.5	
E.C. 3653.20.9	90°38'	842.2						
B.C. 3666.64.1		402.1	1555.8	N 6°14' E	1844.8		201.5	
E.C. 3674.31.4	42°12'	831.2						
B.C. 3682.62.6		469.5	1702.8	N 45°26' E	1129.9		1274.0	
E.C. 3691.04.1	63°07'	540.3						
B.C. 3696.44.4		834.1	1843.9	S 68°27' E		677.2	1715.01	
E.C. 3707.83.4	108°12'	335.3						
B.C. 3711.19.2		195.6	1365.5	S 39°45' W		1049.7		573.1
E.C. 3715.01.9	28°12'	453.1						
B.C. 3719.55		206.9	865.6	S 11°03' W		849.6		166.1
E.C. 3723.85.6	17°13'	897.3						
B.C. 3732.82.9		379.3	1493.5	S 6°10' E		1484.8	160.11	
E.C. 3739.52.4	66°57'	1834.5						
B.C. 3754.86.9		513.1	2456.9	S 73°07' E		713.6	2351.0	
E.C. 3765.60.2	21°25'	2871.3						
B.C. 3794.31.5		1295.5	11709.9	N 85°25' E	376.3		1694.2	
E.C. 3820.11.5	12°54'	3528.2						
B.C. 3853.39.7		580.0	5703.7	S 81°41' E		825.0	5643.5	
E.C. 3870.97.5	8°41'	2232.3						
B.C. 3893.29.8		717.5	3529.8	N 89°38'	22.6		3529.8	
E.C. 3907.20.5	34°46'	650.5						
B.C. 3913.17.1		376.0	1746.0	S 55°36' E		985.4	1439.1	
E.C. 3921.06.4	29°25'	11.51						
B.C. 3932.574		535.2	2062.2	S 85°01' E		179.2	2054.5	
E.C. 3941.61.5	76°51'	150.						

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Sta.	Angle	S	Tang	Dist.	Course	Lat. N	Lat. S	Dep. E	Dep. W
B.b.	43x115	233.		915.2	N 15° 05' E	572.6		285.7	
E.b.	47x53.5	44° 12'	589.2						
B.b.	53x127	1702		1292.4	N 62° 20' E	600.0		1144.7	
E.b.	62x51.9	9° 23'	6533.3						
B.b.	4025x65.2	682.7		7736.2	N 71° 13' E	2126.8		7345.5	
E.b.	112x17	20° 16'	2846.5						
B.b.	70x63.5	430.		3959.2	S 55° 01' E		135.2	3956.8	
E.b.	79x38.5	1° 27'	4116.3						
B.b.	4120x54.5	705.		5254.3	S 59° 25' E		48.5	5254.3	
E.b.	4134x54.8	21° 0'	9939						
B.b.	114x148.7	1564.9		3266.5	N 69° 32' E	1142.4		3060.7	
E.b.	58x116.1	139° 40'	1161.						
B.b.	70x07.1	306.5		5032.4	S 29° 16' W		2646.3		1453.0
E.b.	75x69.4	56° 14'	152.5						
B.b.	77x21.9	323.1		782.1	S 26° 53' E		697.2	354.8	
E.b.	83x63.9	16° 03'	324.5						
B.b.	86x88.4	376.7		1024.3	S 10° 55' E		1005.8	194.0	
E.b.	93x94.1	119° 24'	450.5						
B.b.	98x44.6	3331.4		4153.6	S 60° 19' E		2059.3	3613.0	
E.b.	4216x93	157° 07'	756.1						
B.b.	24x49.1	155.1		4242.6	N 53° 12' W	502.3			4212.6
E.b.	27x57.4	15° 25'	357.						
B.b.	31x14.4	844.5		1356.6	S 81° 23' W		203.2		1341.3
E.b.	45x57.6	74° 34'	269.						
B.b.	48x26.6	7910		1904.5	S 6° 49' W		1891.1		226.0
E.b.	61x63.3	76° 52'	5211						
B.b.	66x84.4	1110.3		2018	S 53° 41' W		22.2		200.6
E.b.	90x30.9	234° 39'	199.5						
B.b.	92x30.4	478.3		432.5	N 29° 02' E		378.1		209.9
E.b.	4300x26.7	79° 35'	5573						
B.b.	05x84	2756		1311.2	S 71° 20' E		419.7		1242.2

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Sta.	Angle	Long.	Dist.	Course	Lat. N.	Lat. S.	Dep. E.	Dep. W.
E. 6.	11,24.7	27°02'	603.5					
B. 6.	17,28.2	409.5	1288.9	S. 44° 15' E		922.5	888.6	
E. 6.	25,20.5	35°40'	138.4					
B. 6.	26,59.2	887.3	1435.5	S. 5° 35' E		1419.3	215.5	
E. 6.	43,36.8	46°08'	323.5					
B. 6.	46,60.6	184.9	1396.0	S. 52° 46' E		805.3	1140.2	
E. 6.	50,17.9	35°44'	150.					
B. 6.	51,67.9	320.4	655.3	S. 19° 02' E		619.4	213.7	
C. 6.	57,84.7	37°05'	272.4	5928	S. 56° 07' E	330.5	492.1	
E. 6.	62,92.7	50°48'	752.3					
B. 6.	70,41.5	281.0	1305.7	N. 73° 05' E	379.9		1249.2	
E. 6.	75,80.2	42°49'	1963					
B. 6.	95,43.2	412.7	2656.7	S. 64° 06' E		1160.4	2390.0	
E. 6.	4403,46.5	32°05'	2225.2					
B. 6.	25,71.7	272.0	2909.9	N. 58° 46' E	62.6		2892.7	
E. 6.	31,01.4	31°47'	200.					
B. 6.	33,01.4	766.1	1238.1	N. 51° 59' E	763.1		977.1	
E. 6.	4,58,92.2	77°27'	1083.7					
B. 6.	56,75.9	480.5	2330.6	S. 50° 31' E		1480.4	1800.2	
E. 6.	65,66.5	53°26'	3532.8					
B. 6.	4,500,99.3	346.4	4360.	N. 76° E	1054.7		4230.5	
C. 6.	07,81.6	26°43'	420.6	767.5	N. 77° 17' E	168.8	748.1	
E. 6.	19,62.8	28°49'	753.5					
B. 6.	27,08.3	613.5	1757.6	S. 48° 25' E		1185.3	1338.2	
E. 6.	37,79.8	69°39'	200.0					
B. 6.	39,79.8	1075.2	1888.7	S. 21° 11' W		1761.0	682.6	
E. 6.	57,06.5	86°30'	1047.					
B. 6.	67,53.5	246.4	2368.6	S. 65° 09' E		995.5	2149.3	
E. 6.	4572,41.6	19°31'	519.6					
B. 6.	77,61.2	403.2	1169.2	S. 45° 35' E		817.5	835.9	
E. 6.	88,05.6	53°50'	200.					

M.3

	Sta:	Angle	S	Tang	Tang	Dist	Course	Lat. N	Lat. S	Dept. E.	Dept. W.
B.C.	87x05.6		630.2			1233.4	N 75° 32' E	245.2		1208.7	
E.C.	98x76.3	52° 41'		609.8							
B.C.	4604x56.1		148.5			1388.5	S 38° 47' E		914.8	1044.4	
E.C.	07x79.2	21° 59'		191.8							
B.C.	09x71		324.6			6649	S 70° 46' E		219.0	627.8	
E.C.	18x75.5	51° 33'		624.8							
B.C.	22x00.3		202.6			1152.0	S 19° 23' E		1086.7	382.3	
E.C.	26x00.8	22°		181.2							
B.C.	27x52.		144.6			825.4	S. 2° 37' W		823.6		37.6
E.C.	35x91.5	56° 40'		1228.4							
B.C.	48x19.9		269.0			1939.0	S 57° 03' E		1138.2	1569.6	
E.C.	53x53.2	18° 40'		742.2							
B.C.	60x95.4		429.0			1440.2	S 35° 23' E		1174.2	833.9	
E.C.	69x47.1	17° 02'		395.4							
B.C.	73x43.5		241.9			1066.3	S 52° 35' E		650.3	844.9	
E.C.	78x35	9° 39'		1067.1							
B.C.	88x92.1		463.5			1772.5	S. 42° 46' E		1301.2	1203.5	
E.C.	98x20.4	4° 33'		2091.7							
B.C.	4719x12.1		1331.3			3886.5	S 47° 24' E		2630.8	2860.8	
E.C.	45x14.6	26° 01'		2344.4							
B.C.	4979x56		350.1			25122.8	S 73° 35' E		7169.9	24076.7	
E.C.	86x56	3° 30'		1309.							
B.C.	99x65		994.1			26532	S 69° 33' E		912.4	2491.4	
E.C.	5019x50	9° 55'		1098.30							
B.C.	6117x80		1197.7			112021.8	S 60° E		56010.5	97012.3	
E.C.	6141x63.3	11° 55'		46416.4							
B.C.	6605x797		798.9			484130	S. 45° 05' E		32339.9	36019.2	
C.C.	6621x679	14° 24'	1047.5			1846.4	S 62° 39' E		848.2	1640.0	
C.C.	42x13.4	13° 41'	720.7			1768.2	N 36° 40' E	102.5		1765.2	
E.C.	56x10.4	34° 55'		673.3							
B.C.	62x83.7		321.4			1715.4	N 51° 45' E	1062.0		1347.1	

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counter 26907

Head Block Haswell Station

	Stat.	Angle	S. Tan	Tang	Dist.	Course	Lat. N.	Lat. S.	Dep. E.	Dep. W.
E.C.	69x23.7	12°48'		1052.3						
B.C.	79x76		273.1		1646.8	N38°57'E	1280.7			1035.3
E.C.	85x12	26°48'		811.						
B.C.	93x23		249.9		1334.0	N65°25'E	547.9			1216.2
E.C.	98x23	1°40'		7464.1						
B.C.	6772x57.1		923.		8637.0	N67°25'E	3316.6			7974.5
E.C.	90x98.2	27°10'		1225.8						
B.C.	6803x24		545.4		2694.2	S38°25'E		215.3		2685.6
E.C.	111x14	5°27'		1784.						
B.C.	31x98		420.		2749.4	S79°55'E		475.9		2707.3
E.C.	110x37.4	12°33'		1566.6						
B.C.	59x04		486.		2772.6	S67°25'E		1063.3		2556.6
E.C.	68x70.7	14°30'		1177.8						
B.C.	80x45.5		551.5		2515.3	S52°55'E		1516.7		2006.7
E.C.	97x48.5	8°30'								
B.C.	6940x60				5763.0			2470.0		4533.6

Total Southings 46,140 Ys.
" Eastings 112,440.6 Ys.

Latitudes & Departures, in columns, are in Feet.

M 5

Espey - ~~#~~ - 11
Laid down
Hudspeth Co -

Pressler
March 7/83

Robinson
SPRY alignments from Camp
Rice to Haskell,
Filed March 7, 1883,

John. Spry

counter 26909

m6