

W344

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MICROFILMED

Our Leather Bound Engineers Note Books are carried in the following rulings:

No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.

No. 382 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.

No. 384 MINING TRANSIT BOOK. Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.

No. 385 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

We also carry the Note Books listed above, bound in extra strong Fabri-Hide (otherwise the same quality of book), which can be furnished at a somewhat lower price.

In ordering Fabri-Hide covered books, add the letter "F" to catalog number.

**THE FREDERICK POST CO.**  
*ENGINEERING and DRAFTING SUPPLIES*  
IRVING PARK STATION  
CHICAGO, ILL.

Index  
Field Notes of Coordinate  
Cross Sections of El Capitan  
Dam Site.

Apr. 2. to Apr. 12, 1932.

Converse

Elliott Simpson

Soper Loudon

Shea Bailey

Walton

Continued from

805.04 1/2

4340				
5150	8.4	796.6	✓	✓
4350				
5150	4.3	800.7	✓	✓
4360				
5150	1.0	04.0	✓	✓
4360				
5160	1.8	03.2	✓	✓
4350				
5160	8.2	796.8	✓	✓
4340				
5160	12.3	92.7	✓	✓
4330				
5160	16.3	88.7	✓	✓
4340				
5170	14.4	90.6	✓	✓
4350				
5170	8.8	96.2	✓	✓
4360				
5170	3.0	802.0	✓	✓
4360				
5180	0.9	04.1	✓	✓
4350				
5180	7.3	797.7	✓	✓
4340				
5180	12.3	92.7	✓	✓
4340				
5190	10.9	94.1	✓	✓
4350				
5190	4.9	800.1	✓	✓
4360				
5190	0.0	05.0	✓	✓
4360				
5200	2.3	02.7	✓	✓
4350				
5200	5.6	799.4	✓	✓
4340				
5200	12.3	92.7	✓	✓
4340				
5210	14.7	90.3	✓	✓
4350				
5210	9.1	95.9	✓	✓
4360				
5210	5.7	99.3	✓	✓
4370				
5210	3.6	801.4	✓	✓
4370				
5220	2.1	02.9	✓	✓
4360				
5220	6.5	798.5	✓	✓

Book 343

1

Apr/32. Elliott

Soper  
Shea,  
Walton.

805.04 1/2

4350				
5220	12.7	792.3	✓	✓
4340				
5230	15.0	90.0	✓	✓
4350				
5230	9.6	95.4	✓	✓
4360				
5230	4.1	800.9	✓	✓
4360				
5240	2.4	02.6	✓	✓
4350				
5240	9.0	796.0	✓	✓
4340				
5240	13.0	92.0	✓	✓
4340				
5250	13.3	91.7	✓	✓
4350				
5250	9.1	95.9	✓	✓
4360				
5250	3.7	801.9	✓	✓
4360				
5260	5.4	799.6	✓	✓
4350				
5260	11.2	93.8	✓	✓
4340				
5260	15.1	89.9	✓	✓
4350				
5270	14.0	91.0	✓	✓
4360				
5270	8.0	97.0	✓	✓
4370				
5270	1.6	803.4	✓	✓
4370				
5280	4.5	00.5	✓	✓
4360				
5280	10.7	794.3	✓	✓
4360				
5290	14.8	90.2	✓	✓
4370				
5290	8.9	96.1	✓	✓
4380				
5290	4.2	800.8	✓	✓
4390				
5300	2.9	02.1	✓	✓
4380				
5300	8.7	796.3	✓	✓
4370				
5300	13.7	91.3	✓	✓
4380				
5310	14.6	90.4	✓	✓

	805.04				
4390					
5310		6.5	798.5	✓	✓
4400					
5310		0.0	805.0	✓	✓
4400					
5320		5.5	799.5	✓	✓
4390					
5320		12.7	92.3	✓	✓
4390					
5330		13.4	91.6	✓	✓
4400					
5330		9.0	96.0	✓	✓
4410					
5330		1.0	804.0	✓	✓
4410					
5340		6.3	798.7	✓	✓
4400					
5340		11.3	93.7	✓	✓
4400					
5350		18.0	87.0	✓	✓
4410					
5350		13.9	91.1	✓	✓
4420					
5350	805.0	5.6	99.4	✓	✓
4430					
5350		2.4	802.6	✓	✓
4430					
5360		8.4	796.6	✓	✓
4420					
5360		11.5	93.5	✓	✓
4410					
5360		21.3	83.7	✓	✓
4400					
5370		20.6	84.4	✓	✓
4410					
5370		18.9	86.1	✓	✓
4420					
5370		13.5	91.5	✓	✓
4430					
5370		5.7	99.3	✓	✓
4430					
5380		12.0	807.0	✓	✓
4420					
5380		3.8	01.2	✓	✓
4410					
5380		7.3	797.7	✓	✓
4400					
5380		13.4	91.6	✓	✓
4390					
5380		18.8	86.2	✓	✓

4380	805.04 $\frac{1}{2}$				
5390		18.7	786.3	✓	✓
4390					
5390		14.2	90.8	✓	✓
4400					
5390		11.1	93.9	✓	✓
4410					
5390		3.7	801.3	✓	✓
4420					
5390		10.5	05.5	✓	✓
4410					
5400		0.9	04.1	✓	✓
4400					
5400		5.6	799.4	✓	✓
4370					
5400		10.9	94.1	✓	✓
4380					
5400		14.6	90.4	✓	✓
4360					
5410		18.1	86.9	✓	✓
4370					
5410		13.9	91.1	✓	✓
4380	805.0				
5410		9.8	95.2	✓	✓
4390					
5410		4.5	800.5	✓	✓
4400					
5410		0.6	04.4	✓	✓
4390					
5420		2.9	02.1	✓	✓
4380					
5420		6.9	798.1	✓	✓
4370					
5420		11.4	93.6	✓	✓
4360					
5420		16.3	88.7	✓	✓
4360					
5430		13.7	91.3	✓	✓
4370					
5430		9.5	95.5	✓	✓
4380					
5430		5.6	99.4	✓	✓
4390					
5430		0.9	804.1	✓	✓
4380					
5440		4.1	00.9	✓	✓
4370					
5440		8.5	796.5	✓	✓
4360					
5440		12.2	92.8	✓	✓

	805.04%				
4350					
5440		18.0	787.0	✓	✓
4340					
5450		21.9	83.1	✓	✓
4360					
5450		17.3	87.7	✓	✓
4370					
5450		13.3	91.7	✓	✓
4380					
5450		9.5	95.5	✓	✓
4390					
5450		4.4	800.6	✓	✓
4380					
5460		6.9	798.1	✓	✓
4370					
5460		12.3	92.7	✓	✓
4360					
5460		16.2	88.8	✓	✓
4350					
5460		20.5	84.5	✓	✓
4340					
5460		25.5	79.5	✓	✓
4350					
5470		21.1	83.9	✓	✓
4360					
5470		17.1	87.9	✓	✓
4370					
5470		9.4	95.6	✓	✓
T.P.		1.44	803.60 $\frac{1}{2}$		

Rock N 4380  
E 5450

	12.43	816.03 $\frac{1}{2}$			
T.P.	11.79	821.82 $\frac{1}{2}$	6.00	810.03 $\frac{1}{2}$	
4380					
5470			26.1	795.7	✓
4390					
5470			21.4	800.4	✓
4400					
5470			13.1	08.7	✓
4410					
5470			9.9	11.9	✓
4420					
5470			6.0	15.8	✓
4430					
5470			3.7	18.1	✓
4420					
5460			0.5	21.3	✓
4410					
5460			6.5	15.3	✓



	821.82½			
4400				
5460				
4390	11.2	810.6	✓	✓
5460	16.5	05.3	✓	✓
4400				
5450	11.5	10.3	✓	✓
4410				
5450	6.4	15.4	✓	✓
4410				
5440	6.1	15.7	✓	✓
4400				
5440	11.3	10.5	✓	✓
4390				
5440	15.6	06.2	✓	✓
4400				
5430	12.0	09.8	✓	✓
4410				
5430	6.3	15.5	✓	✓
4420				
5430	0.6	21.2	✓	✓
4420				
5420	3.3	18.5	✓	✓
4410				
5420	9.7	12.1	✓	✓
4400				
5420	821-8	15.0	06.8	✓
4410				
5410	15.1	06.7	✓	✓
4420				
5410	8.4	13.4	✓	✓
4430				
5410	3.1	18.7	✓	✓
4440				
5400	2.6	19.2	✓	✓
4430				
5400	8.7	13.1	✓	✓
4420				
5400	14.1	07.7	✓	✓
4430				
5390	12.0	09.8	✓	✓
4440				
5390	5.2	16.6	✓	✓
4450				
5390	1.6	20.2	✓	✓
4460				
5380	0.8	21.0	✓	✓
4450				
5380	6.6	15.2	✓	✓
4440				
5380	11.2	10.6	✓	✓

821.82 1/2

4440					
5370		15.2	806.6	✓	✓
4450					
5370		8.3	13.5	✓	✓
4460					
5370		6.1	15.7	✓	✓
4470					
5370		0.4	21.4	✓	✓
4460					
5360		4.4	17.4	✓	✓
4450					
5360		14.4	07.4	✓	✓
4440					
5360		17.9	03.9	✓	✓
4440					
5350		12.4	09.4	✓	✓
4450					
5350		5.9	15.9	✓	✓
4460					
5350		11.2	23.0	✓	✓
4450					
5340		0.0	21.8	✓	✓
4440					
5340		4.7	17.1	✓	✓
4430					
5340	821.8	10.8	11.0	✓	✓
4420					
5340		16.1	05.7	✓	✓
4420					
5330		11.4	10.4	✓	✓
4430					
5330		5.8	16.0	✓	✓
4430					
5320		0.1	21.7	✓	✓
4420					
5320		6.5	15.3	✓	✓
4410					
5320		14.0	07.8	✓	✓
4410					
5310		11.6	10.2	✓	✓
4420					
5310		4.9	16.9	✓	✓
4420					
5300		1.2	20.6	✓	✓
4410					
5300		6.1	15.7	✓	✓
4400					
5300		12.4	09.4	✓	✓
4390					
5290		13.7	08.1	✓	✓

	821.82½				
4400		6.4	815.4	✓	✓
5290					
4410		3.0	18.8	✓	✓
5290					
4410		0.4	21.4	✓	✓
5280					
4400		4.7	17.1	✓	✓
5280					
4390		10.5	11.3	✓	✓
5280					
4380		15.7	06.1	✓	✓
5280					
4380		12.2	09.6	✓	✓
5270					
4390		7.3	14.5	✓	✓
5270					
4400		1.7	20.1	✓	✓
5270					
4390		4.2	17.6	✓	✓
5260					
4380		10.0	11.8	✓	✓
5260					
4370		15.7	06.1	✓	✓
5260	821.8				
4370		14.3	07.5	✓	✓
5250					
4380		8.8	13.0	✓	✓
5250					
4390		2.7	19.1	✓	✓
5250					
4390		4.4	17.4	✓	✓
5240					
4380		8.9	12.9	✓	✓
5240					
4370		14.0	07.8	✓	✓
5240					
4370		14.5	07.3	✓	✓
5230					
4380		9.9	11.9	✓	✓
5230					
4390		3.4	18.4	✓	✓
5230					
4390		4.5	17.3	✓	✓
5220					
4380		10.2	11.6	✓	✓
5220					
4380		9.8	12.0	✓	✓
5210					
4390		6.0	15.8	✓	✓
5210					

821.82 1/2

4400					
5210		+0.2	822.0	✓	✓
4390					
5200		2.7	19.1	✓	✓
4380					
5200		7.1	13.7	✓	✓
4370					
5200		11.5	10.3	✓	✓
4370					
5190		12.1	09.7	✓	✓
4380					
5190		6.7	15.1	✓	✓
4390					
5190		1.4	20.4	✓	✓
4390					
5180		1.7	20.1	✓	✓
4380					
5180		6.7	15.1	✓	✓
4370					
5180		11.6	10.2	✓	✓
4370					
5170		14.3	07.5	✓	✓
4380					
5170	821.8	6.9	14.9	✓	✓
4390					
5170		1.2	20.6	✓	✓
4390					
5160		0.1	21.7	✓	✓
4380					
5160		6.2	15.6	✓	✓
4370					
5160		12.9	08.9	✓	✓
4370					
5150		10.4	11.4	✓	✓
4380					
5150		5.4	16.4	✓	✓
4380					
5140		1.9	19.9	✓	✓
4370					
5140		6.6	15.2	✓	✓
4360					
5140		13.5	08.3	✓	✓
4350					
5130		13.3	08.5	✓	✓
4360					
5130		8.9	12.9	✓	✓
4370					
5130		4.8	17.0	✓	✓
4370					
5120		3.3	18.5	✓	✓

4360	821.82 1/2	8.1	813.7	✓	✓
5120					
4350		13.4	08.4	✓	✓
5120					
4350		11.8	10.0	✓	✓
5110					
4360		6.7	15.1	✓	✓
5110					
4370		1.8	20.0	✓	✓
5110					
4360		4.4	17.4	✓	✓
5100					
4350		8.4	13.4	✓	✓
5100					
4340		14.4	07.4	✓	✓
5100					
4330		16.9	04.9	✓	✓
5090					
4340		11.3	10.5	✓	✓
5090					
4350		4.7	17.1	✓	✓
5090					
4360	821.8	1.6	20.2	✓	✓
5090					
4350		4.1	17.7	✓	✓
5080					
4340		10.5	11.3	✓	✓
5080					
4330		16.2	05.6	✓	✓
5080					
4330		15.0	06.8	✓	✓
5070					
4340		9.4	12.4	✓	✓
5070					
4350		4.2	17.6	✓	✓
5070					
4350		2.0	19.8	✓	✓
5060					
4340		6.4	15.4	✓	✓
5060					
4330		11.3	10.5	✓	✓
5060					
4320		14.2	07.6	✓	✓
5060					
4320		10.9	10.9	✓	✓
5050					
4330		7.2	14.6	✓	✓
5050					
4340		3.9	17.9	✓	✓
5050					

w.H.S.

Elliott - Notes  
 Soper - Level  
 Shea - Rod  
 Walton - Tape

		821.82 1/2				
4350			0.7	821.1	✓	✓
5050						
4340			1.4	20.4	✓	✓
5040						
4330			5.0	16.8	✓	✓
5040						
4320			7.5	14.3	✓	✓
5040						
4310			12.7	09.1	✓	✓
5040						
4300			16.6	05.2	✓	✓
5040						
T. P.	2.78	821.44 1/2	3.16	818.66 1/2		
4330			4.4	17.0	✓	✓
5030						
4320			6.6	14.8	✓	✓
5030						
4310			9.9	11.5	✓	✓
5030						
4300			13.1	08.3	✓	✓
5030						
4290			15.0	06.4	✓	✓
5020						
4300			11.6	09.8	✓	✓
5020						
4310			8.1	13.9	✓	✓
5020						
4320			5.3	16.1	✓	✓
5020						
4330			3.9	17.5	✓	✓
5020						
4330			3.9	17.5	✓	✓
5010						
4320			6.2	15.2	✓	✓
5010						
4310			7.9	13.5	✓	✓
5010						
4300			10.1	11.3	✓	✓
5010						
4290			13.2	08.2	✓	✓
5010						
4280			18.6	02.8	✓	✓
5010						
4370			1.4	20.0	✓	✓
5000						
4360			2.8	18.6	✓	✓
5000						
4350			4.0	17.4	✓	✓
5000						

Rock 4330 5030

End day April 6 - 1932

Start day April 7 - 1932

W.H.S.

		821.44½				
4340			5.6	815.8	✓	✓
5000						
4330			5.9	15.5	✓	✓
5000						
4320			6.9	14.5	✓	✓
5000						
4310			8.8	12.6	✓	✓
5000						
4300			10.8	10.6	✓	✓
5000						
4290			12.6	08.8	✓	✓
5000						
T.P.	0.09	809.43½	12.10	809.34½		
Check			9.04	800.37½	Record	
4280					800.41	
5000			5.5	03.9	✓	✓
4270						
5000			7.2	02.2	✓	✓
4260						
5000			9.4	800.0	✓	✓
4250						
5000			11.1	798.3	✓	✓
4240						
5000			12.5	96.9	✓	✓

Rock 2'E of 4240 Set by Simpson Book 343.

T.P.	12.19½	830.86		818.66½		
T.P.	7.75	837.57	1.04	827.82		
4420						
5000			5.4	32.2	✓	✓
4410						
5000			9.0	28.6	✓	✓
4400						
5000			10.0	27.6	✓	✓
4390						
5000			13.5	24.1	✓	✓
4380						
5000			14.8	22.8	✓	✓
4340						
5010			19.2	18.4	✓	✓
4350						
5010			17.6	20.0	✓	✓
4360						
5010			15.6	22.0	✓	✓
4370						
5010			13.5	24.1	✓	✓

Rock 14330  
Rock E5030

W.H.S.

837.57.

4380				
5010	11.2	826.4	✓	✓
4390				
5010	9.5	28.1	✓	✓
4400				
5010	7.1	30.5	✓	✓
4410				
5010	4.8	32.8	✓	✓
4420				
5010	1.3	36.3	✓	✓
4470				
5020	1.8	35.8	✓	✓
4400				
5020	3.6	34.0	✓	✓
4390				
5020	7.0	30.6	✓	✓
4380				
5020	9.0	28.6	✓	✓
4370				
5020	12.9	24.7	✓	✓
4360				
5020	14.4	23.2	✓	✓
4350				
5020	15.7	21.9	✓	✓
4340				
5020	17.9	19.7	✓	✓
4340				
5030	16.5	21.1	✓	✓
4350				
5030	14.8	22.8	✓	✓
4360				
5030	14.0	23.6	✓	✓
4370				
5030	9.7	27.9	✓	✓
4380				
5030	7.4	30.2	✓	✓
4390				
5030	5.0	32.6	✓	✓
4400				
5030	1.9	35.7	✓	✓
4400				
5040	1.1	36.5	✓	✓
4390				
5040	4.0	33.6	✓	✓
4380				
5040	6.6	31.0	✓	✓
4370				
5040	10.8	26.8	✓	✓
4360				
5040	13.3	24.3	✓	✓

W.H.C.



6  
837.57

4350					
5040	15.3	822.3	✓	✓	
4360					
5050	13.2	24.4	✓	✓	
4370					
5050	9.3	28.3	✓	✓	
4380					
5050	6.2	31.4	✓	✓	
4390					
5050	3.0	34.6	✓	✓	
4400					
5050	0.3	37.3	✓	✓	
4400					
5060	0.0	37.6	✓	✓	
4390					
5060	3.0	34.6	✓	✓	
4380					
5060	6.2	31.4	✓	✓	
4370					
5060	10.1	27.5	✓	✓	
4360					
5060	13.3	24.3	✓	✓	
4360					
5070	13.4	24.2	✓	✓	
4370					
5070	9.0	28.6	✓	✓	
4380					
5070	6.4	31.2	✓	✓	
4390					
5070	3.0	34.6	✓	✓	
4400					
5070	0.2	37.4	✓	✓	
4400					
5080	0.4	37.2	✓	✓	
4390					
5080	4.1	33.5	✓	✓	
4380					
5080	7.1	30.5	✓	✓	
4370					
5080	10.6	27.0	✓	✓	
4360					
5080	14.9	22.7	✓	✓	
4370					
5090	12.8	24.8	✓	✓	
4380					
5090	8.5	29.1	✓	✓	
4390					
5090	5.0	32.6	✓	✓	
4400					
5090	2.0	35.6	✓	✓	

W.A.S.

	16				
	837.57				
4400		3.1	834.5	✓	✓
5100					
4390		7.0	30.6	✓	✓
5100					
4380		11.1	26.5	✓	✓
5100					
4370		15.4	22.2	✓	✓
5100					
4380		13.3	24.3	✓	✓
5110					
4390		8.2	29.4	✓	✓
5110					
4400		4.2	33.4	✓	✓
5110					
4410		1.0	36.6	✓	✓
5120					
4400		5.2	32.4	✓	✓
5120					
4390		10.3	27.3	✓	✓
5120					
4380		14.2	23.4	✓	✓
5120					
4380		15.4	22.2	✓	✓
5130					
4390		10.8	26.8	✓	✓
5130					
4400		6.5	31.1	✓	✓
5130					
4410		1.8	35.8	✓	✓
5130					
4410		2.5	35.1	✓	✓
5140					
4400		7.4	<del>28.2</del> 30.2	✓	✓
5140					
4390		12.9	24.7	✓	✓
5140					
4390		13.7	23.9	✓	✓
5150					
4400		8.7	28.9	✓	✓
5150					
4410		4.4	33.2	✓	✓
5150					
4410		5.0	32.6	✓	✓
5160					
4400		9.8	27.8	✓	✓
5160					
4400		10.0	27.6	✓	✓
5170					
4410		4.1	33.5	✓	✓
5170					

W.H.S.

16  
837.57

4420					
5180	70.6	838.2	✓	✓	
4410	4.5	33.1	✓	✓	
5180	7.2	30.4	✓	✓	
4400	9.9	27.7	✓	✓	
5180	4.6	33.0	✓	✓	
4400	0.0	37.6	✓	✓	
5190	1.3	36.3	✓	✓	
4410	6.7	30.9	✓	✓	
5190	12.9	24.7	✓	✓	
4420	6.9	30.7	✓	✓	
5200	1.9	35.7	✓	✓	
4410	0.7	36.9	✓	✓	
5210	6.1	31.5	✓	✓	
4420	13.1	24.5	✓	✓	
5220	13.0	24.6	✓	✓	
4400	5.7	31.9	✓	✓	
5230	0.3	37.3	✓	✓	
4410	6.5	31.1	✓	✓	
5240	12.7	24.9	✓	✓	
4400	13.5	24.1	✓	✓	
5250	6.7	30.9	✓	✓	
4410	0.3	37.3	✓	✓	
5260	5.0	32.6	✓	✓	
4410	15.5	22.1	✓	✓	
5260					

W.H.S.

16  
837.57

4410					
5270			11.4	826.2	✓ ✓
4420					
5270			5.0	32.6	✓ ✓
4430					
5280			1.3	36.3	✓ ✓
4420					
5280			8.6	29.0	✓ ✓
4420					
5290			12.1	25.5	✓ ✓
4430					
5290			4.9	32.7	✓ ✓
4430					
5300			11.4	26.2	✓ ✓
T.P.	6.64	838.43	5.78	831.79	
4440					
5300			4.9	33.5	✓ ✓
4450					
5310			0.6	37.8	✓ ✓
4440					
5310			6.6	31.8	✓ ✓
4430					
5310			15.7	22.7	✓ ✓
4440					
5320			11.5	26.9	✓ ✓
4450					
5320			4.5	33.9	✓ ✓
4460					
5330			3.5	34.9	✓ ✓
4450					
5330			9.1	29.3	✓ ✓
4440					
5330			15.5	22.9	✓ ✓
4460					
5340			9.4	29.0	✓ ✓
4470					
5340			3.5	34.9	✓ ✓
4480					
5350			0.2	38.2	✓ ✓
4470					
5350			8.5	29.9	✓ ✓
4470					
5360			12.5	25.9	✓ ✓
4480					
5360			5.1	33.3	✓ ✓
4480					
5370			9.4	29.0	✓ ✓
4490					
5370			5.3	33.1	✓ ✓

W.A.S.

April 17 - 1932  
Elliott - Notes  
Soper - Level  
Sheg - Rod  
Walton - Tape

832.43

4500				
5380	5.7	832.7	✓	✓
4490				
5380	10.7	27.7	✓	✓
4480				
5380	12.2	26.2	✓	✓
4470				
5380	15.0	23.4	✓	✓
4460				
5390	12.9	25.5	✓	✓
4470				
5390	9.8	28.6	✓	✓
4480				
5390	5.1	33.3	✓	✓
4490				
5390	2.3	36.1	✓	✓
4500				
5390	2.3	36.1	✓	✓
4510				
5390	+1.9	40.3	✓	✓
4500				
5400	+3.7	42.1	✓	✓
4490				
5400	+1.7	40.1	✓	✓
4480				
5400	1.0	37.4	✓	✓
4470				
5400	5.1	33.3	✓	✓
4460				
5400	7.6	30.8	✓	✓
4450				
5400	14.4	24.0	✓	✓
4440				
5410	16.0	22.4	✓	✓
4450				
5410	8.5	29.9	✓	✓
4460				
5410	4.4	34.0	✓	✓
4470				
5410	+0.5	38.9	✓	✓
4460				
5420	+0.6	39.0	✓	✓
4450				
5420	4.4	34.0	✓	✓
4440				
5420	9.7	28.7	✓	✓
4430				
5420	15.3	23.1	✓	✓
4430				
5430	13.6	24.8	✓	✓

W.H.S.

838.43

4440					
5430			7.9	830.5	✓ ✓
4450			3.7	34.7	✓ ✓
5430					
4460					
5430			+1.0	39.4	✓ ✓
4460					
5440			+0.2	38.6	✓ ✓
4450					
5440			3.9	34.5	✓ ✓
4440					
5440			7.9	30.5	✓ ✓
4430					
5440			11.4	27.0	✓ ✓
4420					
5440			14.8	23.6	✓ ✓
4420					
5450			15.3	23.1	✓ ✓
4430					
5450			11.5	26.9	✓ ✓
4440					
5450			8.4	30.0	✓ ✓
4450					
5450			5.4	33.0	✓ ✓
4460					
5450			0.0	38.4	✓ ✓
4460					
5460			0.0	38.4	✓ ✓
4450					
5460			6.3	32.1	✓ ✓
4440					
5460			9.8	28.6	✓ ✓
4430					
5460			12.2	26.2	✓ ✓
4440					
5470			15.1	23.3	✓ ✓
4450					
5470			10.7	27.7	✓ ✓
4460					
5470			3.8	34.6	✓ ✓
T.P.	12.91	850.79	0.55	837.88	
T.P.	10.76	856.67	4.88	845.91	
4470					
5470			16.9	39.8	✓ ✓
4480					
5470			11.6	45.1	✓ ✓
4490					
5470			5.9	50.8	✓ ✓

W.H.S.

N 4455  
Rock E 5435

856.67

4500				
5470	2.0	854.7	✓	✓
4490				
5460	4.0	52.7	✓	✓
4480				
5460	8.5	48.2	✓	✓
4470				
5460	15.0	41.7	✓	✓
4470				
5460	13.0	43.7	✓	✓
4480				
5450	7.7	49.0	✓	✓
4490				
5450	3.6	53.1	✓	✓
4490				
5440	3.8	52.9	✓	✓
4480				
5440	8.3	48.4	✓	✓
4470				
5440	13.5	43.2	✓	✓
4470				
5430	13.5	43.2	✓	✓
4480				
5430	856.7	9.2	47.5	✓
4490				
5430	4.7	52.0	✓	✓
4500				
5430	0.6	56.1	✓	✓
4500				
5420	2.9	53.8	✓	✓
4510				
5420	2.5	54.2	✓	✓
4490				
5420	6.4	50.3	✓	✓
4480				
5420	10.0	46.7	✓	✓
4470				
5420	13.8	42.9	✓	✓
4480				
5410	14.7	42.0	✓	✓
4490				
5410	12.3	44.4	✓	✓
4500				
5410	7.7	49.0	✓	✓
4510				
5410	6.3	50.4	✓	✓
4520				
5410	5.1	51.6	✓	✓
4530				
5410	0.8	55.9	✓	✓

W.N.S.

.7  
856.67

4530					
5400	3.0	853.7	✓	✓	
4520					
5400	11.7	45.0	✓	✓	
4510					
5400	14.7	42.0	✓	✓	
4520					
5390	14.5	42.2	✓	✓	
4530					
5390	10.8	45.9	✓	✓	
4540					
5390	4.4	52.3	✓	✓	
4540					
5380	0.7	56.0	✓	✓	
4530					
5390	8.5	48.2	✓	✓	
4520	8.5 <sup>o.k.</sup>	48.2	✓	✓	
5380					
4510	14.4	42.3	✓	✓	
5380					
4500	15.6	41.1	✓	✓	
5370					
4510	9.8	46.9	✓	✓	
5370					
4520	4.6	52.1	✓	✓	
5370					
4520					
5360	+0.2	56.9	✓	✓	
4510					
5360	7.4	49.3	✓	✓	
4500					
5360	11.6	45.1	✓	✓	
4490					
5360	16.7	40.0	✓	✓	
4490					
5350	13.4	43.3	✓	✓	
4500					
5350	8.5	48.2	✓	✓	
4510					
5350	1.0	55.7	✓	✓	
4500					
5340	3.7	53.0	✓	✓	
4490					
5340	8.7	48.0	✓	✓	
4480					
5340	13.8	42.9	✓	✓	
4470					
5330	15.7	41.0	✓	✓	
4480					
5330	10.5	46.2	✓	✓	

W.A.S.



7

856.67

4490					
5330			4.8	851.9	✓ ✓
4480			5.8	50.9	✓ ✓
5320			11.0	45.7	✓ ✓
4470			16.1	40.6	✓ ✓
5320			11.1	45.6	✓ ✓
4460			6.3	50.4	✓ ✓
5310			+1.0	57.7	✓ ✓
4470			1.4	55.3	✓ ✓
5300			6.9	49.8	✓ ✓
4460			14.8	41.9	✓ ✓
5300			19.1	37.6	✓ ✓
4450			12.8	43.9	✓ ✓
5290			4.6	52.1	✓ ✓
4460			1.5	55.2	✓ ✓
5280			6.4	50.3	✓ ✓
4450			15.7	41.0	✓ ✓
5280			16.9	39.8	✓ ✓
4440			7.3	49.4	✓ ✓
5270			4.5	52.2	✓ ✓
4450			6.96	849.71	
5270			1.9	52.6	✓ ✓
T.P.	4.80	854.51	6.3	48.2	✓ ✓
4450			12.4	42.1	✓ ✓
5260			16.0	38.5	✓ ✓
4440			10.8	43.7	✓ ✓
5260					
4430					
5250					
4420					
5250					
4430					
5250					

WHS.

	854.51			
4440		5.6	848.9	✓ ✓
5250				
4450		0.4	54.1	✓ ✓
5250				
4450		+0.2	54.7	✓ ✓
5240				
4440		4.5	50.0	✓ ✓
5240				
4430		10.5	44.0	✓ ✓
5240				
4420		13.7	40.8	✓ ✓
5240				
4430		8.9	45.6	✓ ✓
5230				
4440		5.9	48.6	✓ ✓
5230				
4450		0.4	54.1	✓ ✓
5230				
4450				
5220		1.2	53.3	✓ ✓
4440		6.8	47.7	✓ ✓
5220				
4430		12.4	42.1	✓ ✓
5220				
4430		14.6	39.9	✓ ✓
5210				
4440	854.5	9.4	45.1	✓ ✓
5210				
4450		2.3	52.2	✓ ✓
5210				
4450		1.0	53.5	✓ ✓
5200				
4440		7.4	47.1	✓ ✓
5200				
4430		13.5	41.0	✓ ✓
5200				
4430		11.1	43.4	✓ ✓
5190				
4440		4.8	49.7	✓ ✓
5190				
4440		2.0	52.5	✓ ✓
5180				
4430		11.3	43.2	✓ ✓
5180				
4420		17.0	37.5	✓ ✓
5170				
4430		10.5	44.0	✓ ✓
5170				
4440		1.6	52.9	✓ ✓
5170				

W.K.S.

854.51

4440					
5160					
4430		1.3	853.2	✓	✓
5160		7.8	46.7	✓	✓
4420					
5160		14.2	40.3	✓	✓
4420					
5150		12.6	41.9	✓	✓
4430					
5150		6.9	47.6	✓	✓
4440					
5150		2.5	52.0	✓	✓
4440					
5140		1.7	52.8	✓	✓
4430					
5140		6.6	47.9	✓	✓
4420					
5140		12.7	41.8	✓	✓
4420					
5130		13.1	41.4	✓	✓
4430					
5130		7.6	46.9	✓	✓
4440					
5130		0.3	54.2	✓	✓
4430					
5120		7.1	47.4	✓	✓
4420					
5120		14.0	40.5	✓	✓
4410					
5110		16.2	38.3	✓	✓
4420					
5110		11.4	43.1	✓	✓
4430					
5110		6.5	48.0	✓	✓
4440					
5110		1.4	53.1	✓	✓
4440					
5100		1.6	52.9	✓	✓
4430					
5100		6.8	47.7	✓	✓
4420					
5100		10.8	43.7	✓	✓
4410					
5100		16.4	38.1	✓	✓
4410					
5090		16.0	38.5	✓	✓
4420					
5090		11.1	43.4	✓	✓
4430					
5090		7.0	47.5	✓	✓

W.A.S.

April 17 - 1932  
 Elliott - Notes  
 Soper - level  
 Shea - Rod  
 Walton - Tape

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	854.51				
4440		3.0	851.5	✓	✓
5090					
4440		2.6	519	✓	✓
5080					
4430		7.0	47.5	✓	✓
5080					
4420		10.6	43.9	✓	✓
5080					
4410		13.9	40.6	✓	✓
5080					
4410		13.2	41.3	✓	✓
5070					
4420		10.3	44.2	✓	✓
5070					
T.P.	1.41	855.87	0.05	854.46	
4430		9.5	46.4	✓	✓
5070					
4440		7.1	48.8	✓	✓
5070					
4450		1.5	54.4	✓	✓
5070					
4450		2.6	53.3	✓	✓
5060					
4440		6.1	49.8	✓	✓
5060					
4430		9.4	46.5	✓	✓
5060					
4420		11.7	44.2	✓	✓
5060					
4410		15.4	40.5	✓	✓
5060					
4410		15.4	40.5	✓	✓
5050					
4420		12.3	43.6	✓	✓
5050					
4430		9.0	46.9	✓	✓
5050					
4440		6.2	49.7	✓	✓
5050					
4450		2.8	53.1	✓	✓
5050					
4460		+0.3	56.2	✓	✓
5050					
4460		1.6	54.3	✓	✓
5040					
4450		4.5	51.4	✓	✓
5040					
4440		6.6	49.3	✓	✓
5040					

W.A.S.

9

855.87

4430					
5040		10.7	845.2	✓	✓
4420					
5040		14.9	41.0	✓	✓
4410					
5040		16.5	39.4	✓	✓
4410					
5030		18.3	37.6	✓	✓
4420					
5030		15.7	40.2	✓	✓
4430					
5030		11.8	44.1	✓	✓
4440					
5030		7.7	48.2	✓	✓
4450					
5030		5.4	50.5	✓	✓
4460					
5030		2.5	53.4	✓	✓
4470					
5030		0.6	55.3	✓	✓
4490					
5020		0.0	55.9	✓	✓
4480					
5020	855.9	1.1	54.8	✓	✓
4470					
5020		3.3	52.6	✓	✓
4460					
5020		5.4	50.5	✓	✓
4450					
5020		8.3	47.6	✓	✓
4440					
5020		11.6	44.3	✓	✓
4430					
5020		13.4	42.5	✓	✓
4420					
5020		17.5	38.4	✓	✓
4430					
5010		15.6	40.3	✓	✓
4440					
5010		15.6	40.3	✓	✓
4450					
5010		11.5	44.4	✓	✓
4460					
5010		9.2	46.7	✓	✓
4470					
5010		7.4	48.5	✓	✓
4480					
5010		6.2	49.7	✓	✓
4490					
5010		4.7	51.2	✓	✓

w.t.s.

9

855.87

4500						
5010			1.9	854.0	✓	✓
4520						
5000			5.5	50.4	✓	✓
4510						
5000			6.6	49.3	✓	✓
4500						
5000			8.2	47.7	✓	✓
4490						
5000			10.8	45.1	✓	✓
4480						
5000			12.9	43.0	✓	✓
4470						
5000			13.0	42.9	✓	✓
4460						
5000			13.5	42.4	✓	✓
4450						
5000			15.3	40.6	✓	✓
4440						
5000			17.3	38.6	✓	✓
4430						
5000			17.2	38.7	✓	✓
T.P.	12.74	866.46	2.15	853.72	✓	
T.P.	12.48	873.59	5.35	861.11	✓	
4530						
5000			17.4	56.2	✓	✓
4540						
5000			12.1	61.5	✓	✓
4550						
5000			9.4	64.2	✓	✓
4560						
5000			6.1	67.5	✓	✓
4570						
5000			5.3	68.3	✓	✓
4580						
5000			3.6	70.0	✓	✓
4560						
5010			1.1	72.5	✓	✓
4550						
5010			4.5	69.1	✓	✓
4540						
5010			7.7	65.9	✓	✓
4530						
5010			12.0	61.6	✓	✓
4520						
5010			14.8	58.8	✓	✓
4510						
5010			18.2	55.4	✓	✓

W.H.S.

6

873.59

4500					
5020		13.3	860.3	✓	✓
4510					
5020		11.8	61.8	✓	✓
4520					
5030		6.2	67.4	✓	✓
4530					
5020		5.7	67.9	✓	✓
4540					
5020		4.0	69.6	✓	✓
4520					
5030		2.0	71.6	✓	✓
4510					
5030		7.8	65.8	✓	✓
4500					
5030		10.7	62.9	✓	✓
4490					
5030		14.8	58.8	✓	✓
4480					
5030		16.4	57.2	✓	✓
4470					
5040		16.6	57.0	✓	✓
4480					
5040	873.6	12.6	61.0	✓	✓
4490					
5040		9.6	64.0	✓	✓
4500					
5040		5.9	67.7	✓	✓
4510					
5040		2.0	71.6	✓	✓
4510					
5050		1.5	72.1	✓	✓
4500					
5050		3.8	69.8	✓	✓
4490					
5050		7.2	66.4	✓	✓
4480					
5050		10.1	63.5	✓	✓
4470					
5050		12.9	60.7	✓	✓
4460					
5060		15.5	58.1	✓	✓
4470					
5060		10.7	62.9	✓	✓
4480					
5060		6.9	66.7	✓	✓
4490					
5060		4.0	69.6	✓	✓
4500					
5060		0.9	72.7	✓	✓

W.H.S.

873.59

4490					
5070					
4480		0.9	872.7	✓	✓
5070		4.7	68.9	✓	✓
4470					
5070		7.6	66.0	✓	✓
4460					
5070		12.8	60.8	✓	✓
4450					
5080		17.9	55.7	✓	✓
4460					
5080		11.8	61.8	✓	✓
4470					
5080		6.4	67.2	✓	✓
4480					
5080		3.4	70.2	✓	✓
4480					
5090		1.1	72.5	✓	✓
4470					
5090		5.1	68.5	✓	✓
4460					
5090		11.5	62.1	✓	✓
4450					
5090		17.3	56.3	✓	✓
4450					
5100		15.0	58.6	✓	✓
4460					
5100		9.2	64.4	✓	✓
4470					
5100		4.1	69.5	✓	✓

T.P	7.56	875.93	5.22	868.37		
4480			1.3	74.6	✓	✓
5110						
4470			5.9	70.0	✓	✓
5110						
4460			10.0	65.9	✓	✓
5110			15.6	60.3	✓	✓
4440						
5120			20.8	55.1	✓	✓
4450						
5120			15.9	60.0	✓	✓
4460						
5120			10.1	65.8	✓	✓
4470						
5120			4.6	71.3	✓	✓
4470						
5130			2.5	73.4	✓	✓

W.H.S.



875.93

4460					
5130		9.8	86.1	✓	✓
4450					
5130		15.0	60.9	✓	✓
4450					
5140		15.4	60.5	✓	✓
4460					
5140		8.3	67.6	✓	✓
4470					
5140		3.3	72.6	✓	✓
4470					
5150		1.4	74.5	✓	✓
4460					
5150		9.2	66.7	✓	✓
4450					
5150		15.3	60.6	✓	✓
4450					
5160		15.8	60.1	✓	✓
4460					
5160		9.0	66.9	✓	✓
4470					
5160		3.0	72.9	✓	✓
4470					
5170		3.4	72.5	✓	✓
4460					
5170	875.9	10.5	65.4	✓	✓
4450					
5170		15.5	60.4	✓	✓
4450					
5180		19.0	56.9	✓	✓
4460					
5180		12.6	63.3	✓	✓
4470					
5180		5.4	70.5	✓	✓
4480					
5190		0.5	75.4	✓	✓
4470					
5190		7.1	68.8	✓	✓
4460					
5190		14.2	61.7	✓	✓
4450					
5190		19.3	56.6	✓	✓
4460					
5200		15.8	60.1	✓	✓
4470					
5200		8.7	67.2	✓	✓
4480					
5200		1.1	74.8	✓	✓
4480					
5210		2.3	73.6	✓	✓

W.H.S.

4470	875.93				
5210		9.1	866.8	✓	✓
4460					
5210		17.9	58.0	✓	✓
4460					
5220		15.3	60.6	✓	✓
4470					
5220		10.0	65.9	✓	✓
4480					
5220		3.7	72.2	✓	✓
4480					
5230		5.1	70.8	✓	✓
4470					
5230		10.0	65.9	✓	✓
4460					
5230		15.6	60.3	✓	✓
4460					
5240		14.3	61.6	✓	✓
4470					
5240		9.5	66.4	✓	✓
4480					
5240		5.5	70.4	✓	✓
4490					
5240		0.7	75.2	✓	✓
4490					
5250	75.9	0.9	75.0	✓	✓
4480					
5250		4.5	71.4	✓	✓
4470					
5250		10.8	65.1	✓	✓
4460					
5250		14.3	61.6	✓	✓
4460					
5260		17.2	58.7	✓	✓
4470					
5260		11.9	64.0	✓	✓
4480					
5260		5.9	70.0	✓	✓
4490					
5260		1.2	74.7	✓	✓
4490					
5270		1.1	74.8	✓	✓
4480					
5270		8.5	67.4	✓	✓
4470					
5270		13.5	62.4	✓	✓
4460					
5270		17.3	58.6	✓	✓
4470					
5280		15.0	60.9	✓	✓

W.H.S.

875.93

4480					
5280					
4490		8.9	867.0	✓	✓
5280		3.0	72.9	✓	✓
4490					
5290		4.5	71.4	✓	✓
4480					
5290		10.4	65.5	✓	✓
4470					
5290		17.3	58.6	✓	✓

T.P.

8.22 867.71

Rock N 4480 E 5284

End day April 7

7.28 874.99

4480					
5300					
490		13.0	62.0	✓	✓
300		7.3	67.7	✓	✓
500					
300		3.2	71.8	✓	✓
510					
310		0.0	75.0	✓	✓
500					
310		4.9	70.1	✓	✓
490					
310	875.0	10.0	65.0	✓	✓
490					
320		17.1	57.9	✓	✓
500					
320		9.7	65.3	✓	✓
510					
320		3.8	71.2	✓	✓
520					
320		0.5	74.5	✓	✓
530					
330		2.2	72.8	✓	✓
520					
330		3.2	71.8	✓	✓
510					
330		5.0	70.0	✓	✓
500					
330		15.2	59.8	✓	✓
510					
340		13.8	61.2	✓	✓
520			66.6		
340		8.4	76.6	✓	✓
530					
340		4.2	70.8	✓	✓
540					
350		3.3	71.7	✓	✓

continued on Page 39

W.H.S.

2.83

610.21

607.38 = B.M. N.

April 8, 1932  
Simpson - Notes  
Bailey - Level  
Kewden - Rod  
Wolton - Tape

3930				
5520				
940	15.4	594.8	✓	✓
520				
950	10.8	99.4	✓	✓
520				
940	6.3	603.9	✓	✓
530				
930	6.4	03.8	✓	✓
530				
920	11.0	599.2	✓	✓
530				
910	13.7	96.5	✓	✓
540				
920	14.0	96.2	✓	✓
540				
930	10.7	99.5	✓	✓
540				
940	7.4	602.8	✓	✓
540				
930	3.3	06.9	✓	✓
550				
920	2.5	07.7	✓	✓
550				
910	6.1	04.1	✓	✓
550				
900	10.3	599.9	✓	✓
550				
900	12.5	97.7	✓	✓
560				
910	11.8	98.4	✓	✓
560				
920	6.3	603.9	✓	✓
560				
920	2.0	08.2	✓	✓
570				
910	1.4	08.8	✓	✓
570				
900	5.3	04.9	✓	✓
570				
900	9.7	00.5	✓	✓
580				
910	9.7	00.5	✓	✓
580				
920	5.8	04.4	✓	✓
580				
	1.5	08.7	✓	✓

wlfs.

3920		610.21			
5590			0.6	609.6	✓ ✓ ✓
910					
590			5.4	04.8	✓ ✓ ✓
900					
590			8.9	01.3	✓ ✓ ✓
700					
600			7.0	<del>03.2</del> 05.2	✓ ✓ ✓
916					
600			3.1	07.1	✓ ✓ ✓
900					
610			4.4	05.8	✓ ✓ ✓
910					
610			0.2	10.0	✓ ✓ ✓
T.P.	12.23	622.19	0.25	609.96	✓
920					
610			9.4	12.8	✓ ✓ ✓
930		622.2			
610			6.1	16.1	✓ ✓ ✓
940					
610			2.4	19.8	✓ ✓ ✓
950					
610			10.2	22.4	✓ ✓ ✓
950					
600			1.2	21.0	✓ ✓ ✓
940					
600			4.5	17.7	✓ ✓ ✓
930					
600			8.0	14.2	✓ ✓ ✓
920					
600			11.0	11.2	✓ ✓ ✓
930					
590			9.3	12.9	✓ ✓ ✓
940					
590			4.8	17.4	✓ ✓ ✓
950					
590			1.0	21.2	✓ ✓ ✓
950					
580			2.0	20.2	✓ ✓ ✓
940					
580			6.2	16.0	✓ ✓ ✓
930					
580			9.3	12.9	✓ ✓ ✓
930					
590			7.3	12.9	✓ ✓ ✓
940					
570			6.4	15.8	✓ ✓ ✓
950					
570			3.0	19.2	✓ ✓ ✓
				W.A.S.	✓

3950					
5560			4.3	617.9	✓ ✓
940			7.6	14.6	✓ ✓
560			11.0	11.2	✓ ✓
930			11.3	10.9	✓ ✓
560			6.2	16.0	✓ ✓
940			10.0	12.2	✓ ✓
550			12.2	10.0	✓ ✓
950					
550					
950					
540					
950					
530					
T.P.	1.29	611.23	12.25	609.94	
B.M.			3.86	607.37	= check

w.t.s.

on B.M. N° E1 607.38

4530	874.99	(See Page 35)			
5350		8.5	866.5	✓	✓
520	875.0	15.0	60.0	✓	✓
350		13.2	61.8	✓	✓
530		7.7	67.3	✓	✓
360		0.4	74.6	✓	✓
540		2.0	73.0	✓	✓
260		3.1	71.9	✓	✓
550		5.9	69.1	✓	✓
360		10.8	864.2	✓	✓
570		15.4	59.6	✓	✓
370	875.0	13.4	61.6	✓	✓
560		11.5	63.5	✓	✓
370		3.6	71.4	✓	✓
540		4.1	70.9	✓	✓
370		8.0	67.0	✓	✓
550		13.2	61.8	✓	✓
390		5.0	70.0	✓	✓
540		6.5	68.5	✓	✓
400		11.0	64.0	✓	✓
550		17.7	57.3	✓	✓
400		13.7	61.3	✓	✓
550		10.9	64.1	✓	✓
410		6.2	68.8	✓	✓
520		3.3	71.7	✓	✓
420		4.5	70.5	✓	✓
530					
420					
540					
430					

W.H.S.

4530	874.99			
5430		7.9	867.1	✓ ✓
520	875.0	12.5	62.5	✓ ✓
430		14.0	61.0	✓ ✓
500		17.3	57.7	✓ ✓
440		12.8	62.2	✓ ✓
510		9.2	65.8	✓ ✓
440		3.3	71.7	✓ ✓
530		0.0	75.0	✓ ✓
440		2.0	73.0	✓ ✓
530		6.2	68.8	✓ ✓
450		11.7	63.3	✓ ✓
520		17.0	58.0	✓ ✓
450		15.5	59.5	✓ ✓
500		10.8	64.2	✓ ✓
460		6.2	68.8	✓ ✓
510		0.8	74.2	✓ ✓
460		6.5	68.5	✓ ✓
520		11.5	63.5	✓ ✓
470				

T.P.	R.89	887.79	0.09	874.90	
530			12.9	74.9	✓ ✓
470			7.5	80.3	✓ ✓
550			2.4	85.4	✓ ✓
470			3.0	84.8	✓ ✓
550			6.8	81.0	✓ ✓
460			7.2	80.6	✓ ✓
540					
460					
540					
450					

W.H.S.

on Rock

N 4530  
E 5452



.8

887.79

4550				
5450		3.9	883.9	✓ ✓
550				
440		8.4	79.4	✓ ✓
560				
440		7.1	83.7	✓ ✓
570				
440		0.7	87.1	✓ ✓
580				
430		3.4	84.4	✓ ✓
570				
430		6.9	80.9	✓ ✓
560				
430		10.6	77.2	✓ ✓
550				
430		13.6	74.2	✓ ✓
570				
420		7.0	78.8	✓ ✓
580				
420		0.6	87.2	✓ ✓
570				
410	887.8	2.8	85.0	✓ ✓
560				
410		12.1	75.7	✓ ✓
560				
400		11.3	76.5	✓ ✓
570				
400		2.8	85.0	✓ ✓
570				
390		8.4	79.4	✓ ✓
580				
390		1.1	86.7	✓ ✓
580				
380		9.5	78.3	✓ ✓
590				
380		0.0	87.8	✓ ✓
580				
370		7.7	80.1	✓ ✓
570				
360		4.0	83.8	✓ ✓
560				
360		9.2	78.8	✓ ✓
550				
350		9.2	78.6	✓ ✓
560				
350		3.8	84.0	✓ ✓
550				
340		3.4	84.4	✓ ✓
540				
340		11.3	76.5	✓ ✓

w.H.S.

		.8			
4550		887.79			
5330			0.0	887.8	✓ ✓
540					
330			6.5	81.3	✓ ✓
530					
320			7.8	80.0	✓ ✓
540					
320			0.5	87.3	✓ ✓
530					
310			2.8	85.0	✓ ✓
520					
310			8.5	79.3	✓ ✓
510					
300			11.0	76.8	✓ ✓
520					
300			6.0	81.8	✓ ✓
520					
290			2.4	85.4	✓ ✓
510					
290			6.6	81.2	✓ ✓
500					
290			10.5	77.3	✓ ✓
500					
280			8.5	79.3	✓ ✓
T.P.	3.12	889.43	1.48	886.31	
510					
280			5.5	83.9	✓ ✓
510					
270			3.8	85.6	✓ ✓
500					
270			8.7	80.7	✓ ✓
500					
260			7.7	81.7	✓ ✓
510					
260			1.3	88.1	✓ ✓
500					
250			5.7	89.7	✓ ✓
500					
240			8.1	81.3	✓ ✓
500					
230			5.2	84.2	✓ ✓
490					
230			10.0	79.4	✓ ✓
490					
220			10.3	79.1	✓ ✓
500					
220			5.6	84.4	✓ ✓
500					
210			3.0	86.4	✓ ✓

W.H.S.

4490		889.43			
5210			8.7	880.7	✓ ✓
490			8.4	81.0	✓ ✓
200					
500			1.7	87.7	✓ ✓
200					
490			6.2	83.2	✓ ✓
190					
480			13.3	76.1	✓ ✓
180					
490			5.2	84.2	✓ ✓
180					
490			3.3	86.1	✓ ✓
170					
480			11.9	77.5	✓ ✓
170					
T.P.	1.88	889.29	2.02	887.41	
480			11.3	78.0	✓ ✓
160					
490			5.5	83.8	✓ ✓
160					
490			3.4	85.9	✓ ✓
150					
480			10.4	78.9	✓ ✓
150					
480			7.7	81.6	✓ ✓
140					
490			2.4	86.9	✓ ✓
140					
490			4.2	85.1	✓ ✓
130					
480			10.0	79.3	✓ ✓
130					
480			9.8	79.5	✓ ✓
120					
490			3.7	85.6	✓ ✓
120					
490			3.2	86.1	✓ ✓
110					
490			7.2	82.1	✓ ✓
100					
480			11.4	77.9	✓ ✓
100					
490			8.2	81.1	✓ ✓
090					
490			12.7	76.6	✓ ✓
080					
500			7.0	82.3	✓ ✓
080					

W.A.S.

3

889.29

3.60

885.69 = check  
885.63on T.P. Set <sup>By</sup> M.D.E. #1885.63N4490  
E5110

7.00

892.63

4510					
5080					
520	5.1	887.5	✓	✓	
080	1.4	91.2	✓	✓	
530					
070	2.6	90.0	✓	✓	
520					
070	5.5	87.1	✓	✓	
510					
070	9.0	83.6	✓	✓	
500					
070	15.8	76.8	✓	✓	
510					
060	15.0	77.6	✓	✓	
520					
060	9.9	82.7	✓	✓	
530					
060	5.4	87.2	✓	✓	
540					
060	1.2	91.4	✓	✓	
550					
050	2.4	90.2	✓	✓	
540					
050	5.6	87.0	✓	✓	
530					
050	9.4	83.2	✓	✓	
520					
050	15.3	77.3	✓	✓	
520					
040	16.0	76.6	✓	✓	
530					
040	12.6	80.0	✓	✓	
540					
040	8.8	83.8	✓	✓	
550					
040	7.0	85.6	✓	✓	
560					
040	3.5	89.1	✓	✓	
570					
030	4.6	88.0	✓	✓	
560					
030	6.8	85.8	✓	✓	
550					
030	11.4	81.2	✓	✓	
540					
030	15.5	77.1	✓	✓	

W.H.S.

892.63

4530					
5030		16.7	875.9	✓	✓
550					
020		18.7	73.9	✓	✓
560					
020		15.0	77.6	✓	✓
570					
020		10.7	81.9	✓	✓
580					
020		8.1	84.5	✓	✓
590					
020		6.7	85.9	✓	✓
600					
010		6.2	86.4	✓	✓
590					
010		15.4	77.2	✓	✓
580					
010		16.0	76.6	✓	✓
570					
010		17.3	75.3	✓	✓
590					
000		15.7	76.9	✓	✓
600					
000		14.8	77.8	✓	✓
610					
000		5.0	87.6	✓	✓

T.P.	13.00	905.45	0.18	892.45		
620						
000			12.3	893.1	✓	✓
630						
000			6.7	98.7	✓	✓
630						
010			4.0	901.4	✓	✓
620						
010			7.8	897.6	✓	✓
610						
010			13.4	92.0	✓	✓
600						
020			17.7	87.7	✓	✓
610						
020			11.3	94.1	✓	✓
620						
020			4.8	900.6	✓	✓
630						
020			0.5	04.9	✓	✓
620						
030			3.4	02.0	✓	✓
610						
030			8.8	896.6	✓	✓

W.H.S.

on Rock N 4613  
E 5005

4600		905.45	12.9	892.5	✓	✓
5030			14.0	91.4	✓	✓
590			16.3	89.1	✓	✓
030			12.7	92.7	✓	✓
580			8.9	96.5	✓	✓
030			6.0	99.4	✓	✓
570			6.9	98.5	✓	✓
040			5.1	900.3	✓	✓
580			0.3	05.1	✓	✓
040			2.0	03.4	✓	✓
590			5.2	00.2	✓	✓
040			11.0	894.4	✓	✓
600			11.0	94.4	✓	✓
040			8.1	97.3	✓	✓
610			4.0	901.4	✓	✓
040			0.0	05.4	✓	✓
590			0.3	05.1	✓	✓
050			4.1	01.3	✓	✓
580			8.0	897.4	✓	✓
050			6.6	98.8	✓	✓
570		908.0	3.5	901.9	✓	✓
050			6.61	898.84		
560	9.14	907.98	1.6	906.4	✓	✓
060			7.0	01.0	✓	✓
570			13.2	894.8	✓	✓
060						
560						
070						
550						
070						
540						
070						
530						
080						
540						
080						
T.P.						
540						
090						
530						
090						
520						
090						

on Rock N4530  
E5080

w.H.S.

4510

5090

907.98

909.0

16.6

891.4 ✓ ✓

3.44

901.95

9.47

898.51 = check on T.P. set by M.D.E., El. 898.51

N 4505  
E 5145

500

18.0

884.0 ✓ ✓

090

500

100

13.7

88.3 ✓ ✓

510

100

8.8

93.2 ✓ ✓

520

100

+1.0

903.0 ✓ ✓

510

110

4.1

897.9 ✓ ✓

500

110

11.4

90.6 ✓ ✓

500

120

8.7

93.3 ✓ ✓

510

120

4.2

97.8 ✓ ✓

510

130

3.7

98.3 ✓ ✓

500

130

10.7

91.3 ✓ ✓

500

140

8.8

93.2 ✓ ✓

510

140

4.2

97.8 ✓ ✓

510

150

3.4

98.6 ✓ ✓

500

150

9.6

92.4 ✓ ✓

500

160

9.3

92.7 ✓ ✓

510

160

5.8

96.2 ✓ ✓

T.P.

6.79

905.30

3.44

898.51

520

170

1.6

903.7 ✓ ✓

510

170

8.1

897.2 ✓ ✓

500

170

12.7

92.6 ✓ ✓

500

180

14.0

91.3 ✓ ✓

510

180

7.4

97.9 ✓ ✓

520

180

2.0

903.3 ✓ ✓

W.H.S.

4520		905.30	2.4	902.9	✓	✓	✓
5190			9.8	895.5	✓	✓	✓
510			15.0	90.3	✓	✓	✓
190			12.0	93.3	✓	✓	✓
500			4.7	900.6	✓	✓	✓
190			6.8	898.5	✓	✓	✓
510			12.0	93.3	✓	✓	✓
200			14.1	91.2	✓	✓	✓
520			9.0	96.3	✓	✓	✓
200			8.53	896.77			
520	8.53	905.30	1.1	904.2	✓	✓	✓
210			1.0	904.3	✓	✓	✓
510			8.3	897.0	✓	✓	✓
220			12.8	92.5	✓	✓	✓
530			15.7	89.6	✓	✓	✓
230			7.2	98.1	✓	✓	✓
510			1.3	904.0	✓	✓	✓
230			2.0	03.3	✓	✓	✓
510			8.7	896.6	✓	✓	✓
240			15.4	89.9	✓	✓	✓
520			11.6	93.7	✓	✓	✓
260			5.4	99.9	✓	✓	✓
530			1.0	904.3	✓	✓	✓
260			7.3	898.0	✓	✓	✓
540			13.8	91.5	✓	✓	✓
270							
530							
270							
520							
270							

W.J.T.S.



4520		905.30			
5280			17.1	888.2	✓ ✓ ✓
530			9.9	95.4	✓ ✓ ✓
280			2.6	902.7	✓ ✓ ✓
540			8.4	896.9	✓ ✓ ✓
280			11.7	93.6	✓ ✓ ✓
540			17.2	88.1	✓ ✓ ✓
290			11.7	93.6	✓ ✓ ✓
530			2.7	902.6	✓ ✓ ✓
300			4.0	01.3	✓ ✓ ✓
540			15.4	889.9	✓ ✓ ✓
300			11.76	893.54	
550	12.98	906.52	12.3	94.2	✓ ✓ ✓
310			8.3	98.2	✓ ✓ ✓
540			3.1	903.4	✓ ✓ ✓
310			2.7	03.8	✓ ✓ ✓
T.P.			8.8	897.7	✓ ✓ ✓
550			12.2	94.3	✓ ✓ ✓
320			15.4	91.1	✓ ✓ ✓
560			11.8	94.7	✓ ✓ ✓
320			6.6	99.9	✓ ✓ ✓
570			2.3	904.2	✓ ✓ ✓
330			3.2	03.3	✓ ✓ ✓
570			0.3	06.2	✓ ✓ ✓
340			9.2	897.3	✓ ✓ ✓
580			13.5	93.0	✓ ✓ ✓
340					
600					
350					
610					
350					
590					
350					
580					
350					

W.H.S.

906.52

4570				
5350	18.0	888.5	✓	✓
580				
360	18.1	88.4	✓	✓
590				
360	12.7	99.8	✓	✓
600				
360	11.4	95.1	✓	✓
610				
360	8.0	98.5	✓	✓
620				
360	1.0	905.5	✓	✓
610				
370	2.7	03.8	✓	✓
600				
370	8.5	898.0	✓	✓
590				
370	15.6	90.9	✓	✓
600				
380	10.5	96.0	✓	✓
610				
380	2.1	904.4	✓	✓
610				
390	4.1	02.4	✓	✓
600				
390	16.0	890.5	✓	✓
590				
390	22.0	84.5	✓	✓
580				
400	14.7	91.8	✓	✓
590				
400	10.6	95.9	✓	✓
600				
400	8.0	98.5	✓	✓
610				
400	2.0	904.5	✓	✓
600				
410	5.0	01.5	✓	✓
590				
410	11.7	894.8	✓	✓
580				
410	18.0	88.5	✓	✓
590				
420	12.3	94.2	✓	✓
600				
420	8.1	98.4	✓	✓
610				
420	2.0	904.5	✓	✓
620				
430	1.4	05.1	✓	✓

W.H.S.

	906.52			
4610		5.0	901.5	✓ ✓
5430				
600		10.4	896.1	✓ ✓
430				
590		15.3	91.2	✓ ✓
730				
580		15.4	91.1	✓ ✓
440				
590		11.8	94.7	✓ ✓
440				
600		9.4	97.1	✓ ✓
440				
610		7.3	99.2	✓ ✓
440				
620		2.0	904.5	✓ ✓
440				
610		0.7	05.8	✓ ✓
450				
600		4.4	02.1	✓ ✓
450				
590		6.0	00.5	✓ ✓
450				
580		9.0	897.5	✓ ✓
450				
570		12.5	94.0	✓ ✓
450				
560		18.2	88.3	✓ ✓
450				
560		16.3	90.2	✓ ✓
460				
570		11.0	95.5	✓ ✓
460				
580		6.9	99.6	✓ ✓
460				
590		3.0	909.5	✓ ✓
460				
590		0.6	05.9	✓ ✓
470				
580		6.7	899.8	✓ ✓
470				
570		11.5	95.0	✓ ✓
470				
560		15.3	91.2	✓ ✓
470				
T.P.		8.38	898.14	✓

on Rock N4574  
E5460

	12.21	910.35		898.14	
T.P.	7.02	919.12	0.25	910.10	on Rock 4608 5458
4600			9.6	09.5	✓ ✓ ✓
5470					
610			5.3	13.8	✓ ✓
470					
620			0.8	18.3	✓ ✓
470					
630			+5.1	24.2	✓ ✓
470					
630			0.3	18.8	✓ ✓
460					
620			4.4	14.7	✓ ✓
460					
610			7.9	11.2	✓ ✓
460					
600			11.9	07.2	✓ ✓
460					
620		919.1	10.2	08.9	✓ ✓
450					
630			4.8	14.3	✓ ✓
450					
630			10.1	09.0	✓ ✓
440					
630			7.0	12.1	✓ ✓
430					
630			4.0	15.1	✓ ✓
420					
620			8.1	11.0	✓ ✓
420					
610			10.2	08.9	✓ ✓
410					
620			5.6	13.5	✓ ✓
410					
630			1.9	17.2	✓ ✓
410					
630			3.7	15.4	✓ ✓
400					
620			9.2	09.9	✓ ✓
400					
620			10.7	08.4	✓ ✓
390					
630			4.6	14.5	✓ ✓
390					
630			1.8	17.3	✓ ✓
380					
620			8.4	10.7	✓ ✓
380					

W.H.S.

April 9, 1932

Simpson  
Louden  
Bailey  
Walton

clear, Hef.

919.12

4620					
5370			9.8	909.3	✓ ✓
630					
370			2.7	16.4	✓ ✓
630					
360			7.0	12.1	✓ ✓
620					
350			8.1	11.0	✓ ✓
630					
350			7.9	11.2	✓ ✓
630					
340			+1.2	20.3	✓ ✓
620					
340			0.8	18.3	✓ ✓
610					
340			5.0	14.1	✓ ✓
600					
340			9.4	09.7	✓ ✓
T.P.	5.37	922.62			
590			1.87	917.25	
330					
600			12.5	10.1	✓ ✓
330			7.2	15.4	✓ ✓
610					
330			2.1	<del>10.5</del> 20.5	✓ ✓
600					
320			3.5	19.1	✓ ✓
590					
320			10.7	11.9	✓ ✓
580					
320			14.6	08.0	✓ ✓
560					
310			19.8	02.8	✓ ✓
570					
310			13.7	08.9	✓ ✓
580					
310			7.7	14.9	✓ ✓
590					
310			3.1	19.5	✓ ✓
590					
300			0.1	22.5	✓ ✓
580					
300			5.0	17.6	✓ ✓
570					
300			11.7	10.9	✓ ✓
560					
300			14.8	07.8	✓ ✓
550					
290			17.8	04.8	✓ ✓

on Rock 4603  
5330

WTS.

	922.62				
4560		12.1	910.5 <sup>✓</sup>	✓	✓
5290					
570		70	15.6 <sup>✓</sup>	✓	✓
290					
580		2.3	20.3 <sup>✓</sup>	✓	✓
290					
570		4.4	18.2 <sup>✓</sup>	✓	✓
280					
560		8.7	13.9 <sup>✓</sup>	✓	✓
280					
550		15.5	07.1 <sup>✓</sup>	✓	✓
280					
550		10.8	11.8 <sup>✓</sup>	✓	✓
270					
560		6.1	16.5 <sup>✓</sup>	✓	✓
270					
570		2.2	20.4 <sup>✓</sup>	✓	✓
270					
560		3.8	18.8 <sup>✓</sup>	✓	✓
260					
550		10.1	12.5 <sup>✓</sup>	✓	✓
260					
540		16.0	06.6 <sup>✓</sup>	✓	✓
260					
540		12.8	09.8 <sup>✓</sup>	✓	✓
250					
550		6.6	16.0 <sup>✓</sup>	✓	✓
250					
560		0.7	21.9 <sup>✓</sup>	✓	✓
250					
550		6.1	16.5 <sup>✓</sup>	✓	✓
240					
540		11.9	10.7 <sup>✓</sup>	✓	✓
240					
540		11.3	11.3 <sup>✓</sup>	✓	✓
230					
550		6.3	16.3 <sup>✓</sup>	✓	✓
230					
550		6.3	16.3 <sup>✓</sup>	✓	✓
220					
540		11.8	10.8 <sup>✓</sup>	✓	✓
220					
530		14.5	08.1 <sup>✓</sup>	✓	✓
210					
540		12.3	10.3 <sup>✓</sup>	✓	✓
210					
550		interpolate		✓	✓
210					
T.P.		9.89	912.73		
			W.A.S.		

4537  
5200 on Rock

	9.84	922.57	912.73		
4530					
5200			15.3	07.3	✓ ✓
540					
200			10.9	11.7	✓ ✓
550					
200			1.5	21.1	✓ ✓
550					
190			+0.3	22.9	✓ ✓
540					
190			8.1	14.5	✓ ✓
530					
190			13.4	09.2	✓ ✓
530					
180			10.4	12.2	✓ ✓
540					
180			6.0	16.6	✓ ✓
540					
170			6.3	16.3	✓ ✓
530					
170			9.5	13.1	✓ ✓
520					
160			17.0	05.6	✓ ✓
530					
160			10.7	11.9	✓ ✓
540					
160			6.2	16.4	✓ ✓
550					
160			1.6	21.0	✓ ✓
540					
150			3.4	19.2	✓ ✓
530					
150			12.3	10.3	✓ ✓
520					
150			16.7	05.9	✓ ✓
520					
140			15.9	06.7	✓ ✓
530					
140			8.5	14.1	✓ ✓
540					
140			4.1	18.5	✓ ✓
550					
130			1.7	20.9	✓ ✓
540					
130			6.7	15.9	✓ ✓
530					
130			11.0	11.6	✓ ✓
520					
130			16.4	06.2	✓ ✓

W.H.S.

		6			
		922.57			
4520			19.2	903.4 <sup>✓</sup>	✓ ✓
5120					
530			14.0	08.6 <sup>✓</sup>	✓ ✓
120					
540			9.7	12.9 <sup>✓</sup>	✓ ✓
120					
350			6.6	16.0 <sup>✓</sup>	✓ ✓
120					
550			7.8	14.8 <sup>✓</sup>	✓ ✓
110					
540			11.4	11.2 <sup>✓</sup>	✓ ✓
110					
530			15.1	07.5 <sup>✓</sup>	✓ ✓
110					
520			18.3	04.3 <sup>✓</sup>	✓ ✓
110					
530			16.8	05.8 <sup>✓</sup>	✓ ✓
100					
540			11.5	11.1 <sup>✓</sup>	✓ ✓
100					
550			9.1	13.5 <sup>✓</sup>	✓ ✓
100					
560			4.4	18.2 <sup>✓</sup>	✓ ✓
100					
570			2.0	20.6 <sup>✓</sup>	✓ ✓
090					
560			7.5	15.1 <sup>✓</sup>	✓ ✓
090					
550			12.5	10.1 <sup>✓</sup>	✓ ✓
090					
550			15.0	07.6 <sup>✓</sup>	✓ ✓
080					
560			12.5	10.1 <sup>✓</sup>	✓ ✓
080					
570			9.4	13.2 <sup>✓</sup>	✓ ✓
080					
T.P.	5.62	922.57	5.62	916.95	
580			7.0	15.6 <sup>✓</sup>	✓ ✓
080					
590			5.2	17.4 <sup>✓</sup>	✓ ✓
080					
600			1.2	21.4 <sup>✓</sup>	✓ ✓
080					
600			6.4	16.2 <sup>✓</sup>	✓ ✓
070					
590			9.9	12.7 <sup>✓</sup>	✓ ✓
070					
580			12.0	10.6 <sup>✓</sup>	✓ ✓
070					

W.A.S.



4570						
5070		922.57	15.1	907.5	✓	✓
590			13.5	09.1	✓	✓
600			11.1	11.5	✓	✓
060			9.3	13.3	✓	✓
610			10.2	12.4	✓	✓
060			7.5	15.1	✓	✓
620			10.2	12.4	✓	✓
060			15.5	07.1	✓	✓
630			15.7	06.9	✓	✓
060			15.6	07.0	✓	✓
630			18.3	04.3	✓	✓
050			14.7	07.9	✓	✓
620			16.1	06.5	✓	✓
040						
630						
040						
630						
030						
T.P.	12.99	935.12	0.44	922.13		
630			13.3	21.8	✓	✓
070			13.9	21.2	✓	✓
620			17.3	17.8	✓	✓
070			12.6	22.5	✓	✓
610			11.2	23.9	✓	✓
080			8.7	26.4	✓	✓
620			1.5	33.6	✓	✓
080			4.0	31.1	✓	✓
630			5.8	29.3	✓	✓
080			7.8	27.3	✓	✓
610			9.4	25.7	✓	✓
090						
600						
090						
590						
090						

W.H.S.

Red Head 4629  
5071

935.12

4580 5090			12.8	922.3	✓	✓
570 100			10.9	24.2	✓	✓
580 100			8.1	27.0	✓	✓
590 100			5.0	30.1	✓	✓
600 100			2.9	32.2	✓	✓
590 110			+1.0	36.1	✓	✓
580 110			4.1	31.0	✓	✓
570 110			6.4	28.7	✓	✓
560 110			13.2	21.9	✓	✓
560 120			9.8	25.3	✓	✓
570 120			2.6	32.5	✓	✓
570 130			1.9	33.2	✓	✓
560 130			5.6	29.5	✓	✓
550 140			11.0	24.1	✓	✓
560 140			7.3	27.8	✓	✓
570 140			1.7	33.4	✓	✓
560 150			5.7	29.4	✓	✓
550 150			12.0	23.1	✓	✓
560 160			✓ interpolate		✓	✓
T.P.	10.75	940.05	5.82	929.30		
570 170			3.0	37.0	✓	✓
560 170			8.7	31.3	✓	✓
550 170			13.4	26.6	✓	✓
550 180			18.2	21.8	✓	✓
560 180			9.7	30.3	✓	✓

W.K.S.

Rock 4562  
5138

		940.05			
4570			4.2	935.8	✓ ✓
5180					
570			2.8	37.2	✓ ✓
190					
560			9.8	30.2	✓ ✓
190					
560			11.0	29.0	✓ ✓
200					
570			interpolate		✓ ✓
200					
560			12.2	27.8	✓ ✓
210		5			
TP	6.58	941.98	5.15	934.90	
570			interpolate		✓ ✓
210					
570			9.7	31.8	✓ ✓
220					
560			interpolate		✓ ✓
220					
560			13.5	28.0	✓ ✓
230					
570			9.0	32.5	✓ ✓
230					
580			4.0	37.5	✓ ✓
230					
580			4.6	36.9	✓ ✓
240					
570			10.4	31.1	✓ ✓
240					
560			18.0	23.5	✓ ✓
240					
570			13.3	28.2	✓ ✓
250					
580			7.8	33.7	✓ ✓
250					
590			1.6	39.9	✓ ✓
250					
590			4.9	36.6	✓ ✓
260					
580			9.6	31.9	✓ ✓
260					
570			14.7	26.8	✓ ✓
260					
580			12.1	29.4	✓ ✓
270					
590			4.2	37.3	✓ ✓
270					
600			0.8	40.7	✓ ✓
270					

WHS.

		.5				
4600						
5280			2.9	938.6	✓	✓
590			13.6	27.9	✓	✓
280			16.0	25.5	✓	✓
580						
280						
610			4.4	37.1	✓	✓
290			10.8	30.7	✓	✓
600			16.0	25.5	✓	✓
290						
590						
290						
T.P.	9.97	941.19	10.26	931.22		
600			11.8	29.4	✓	✓
300			9.7	31.5	✓	✓
610			4.7	36.5	✓	✓
300			2.2	39.0	✓	✓
620			5.8	35.4	✓	✓
300			8.5	32.7	✓	✓
630			12.4	28.8	✓	✓
300			18.8	22.4	✓	✓
620			17.0	24.2	✓	✓
310			13.7	27.5	✓	✓
610			8.7	32.5	✓	✓
310			13.6	27.6	✓	✓
600			18.6	22.6	✓	✓
310						
610						
320						
620						
320						
630						
320						
630						
330						
620						
330						
T.P.	12.87	953.93	0.13	941.06		
620			12.3	41.6	✓	✓
290			8.1	45.8	✓	✓
630			2.5	51.4	✓	✓
290			5.6	48.3	✓	✓
630						
280						
620						
280						

N4602  
E5298 ROCK -

April, 11, 1932

Simpson

Louden

Bailey

Walton

oo Rock N4595  
E.5269

W.H.S.

753.93

4610						
5280			12.1	941.8	✓	✓
610						
270			9.6	44.3	✓	✓
620						
270			4.7	49.2	✓	✓
630						
270			0.3	59.6	✓	✓
620						
260			2.8	51.1	✓	✓
610						
260			6.2	47.7	✓	✓
600						
260			11.4	42.5	✓	✓
600						
250			7.8	46.1	✓	✓
610						
250			3.4	50.5	✓	✓
610						
240			1.6	52.3	✓	✓
600						
240			5.3	48.6	✓	✓
590						
240			10.8	43.1	✓	✓
590						
230			8.0	45.9	✓	✓
T.P.	8.10	958.38	3.65	950.28		
600						
230			5.5	52.9	✓	✓
600						
220			2.6	55.8	✓	✓
590						
220			8.1	50.3	✓	✓
580						
220			14.5	43.9	✓	✓
580						
210			interpolate		✓	✓
580						
200			8.6	49.8	✓	✓
590						
200			3.3	55.1	✓	✓
580						
190			11.6	46.8	✓	✓
590						
190			5.2	53.2	✓	✓
580						
180			13.2	45.2	✓	✓
590						
180			4.8	53.6	✓	✓

W.A.S.

on Rack 4590  
5227

4

958.38

4590						
5170			5.5	952.9	✓	✓
580			13.1	45.3	✓	✓
170			18.1	40.3	✓	✓
570			14.5	43.9	✓	✓
160			3.0	55.4	✓	✓
580			7.3	51.1	✓	✓
160			15.0	43.4	✓	✓
590			22.5	35.9	✓	✓
160			15.5	42.9	✓	✓
590						
150						
580						
150						
570						
150						
580						
140						
T.P	12.46	958.21	12.63	945.75		
590			12.3	45.9	✓	✓
140			5.2	53.0	✓	✓
600			18.0	40.2	✓	✓
140			13.5	44.7	✓	✓
580			11.1	47.1	✓	✓
130			5.6	52.6	✓	✓
590			1.7	56.5	✓	✓
130			6.3	51.9	✓	✓
600			6.0	52.2	✓	✓
130			9.9	48.3	✓	✓
610			11.8	46.4	✓	✓
130			16.6	41.6	✓	✓
620			22.0	36.2	✓	✓
130			18.3	39.9	✓	✓
630			17.0	41.2	✓	✓
120						
620						
120						
610						
120						
600						
120						
590						
120						
580						
120						
600						
110						
610						
110						

On Rock 4575  
5150

W.H.S.

4620		958.21				
5110			15.4	942.8	✓	✓
630			13.8	44.4	✓	✓
110			19.3	38.9	✓	✓
630			21.0	37.2	✓	✓
100			23.1	35.1	✓	✓
620						
120						
610						
100						
T.P.	11.80	969.90	0.11	958.10		
630			12.0	57.9	✓	✓
130			5.6	64.3	✓	✓
630			8.6	61.3	✓	✓
140			9.6	60.3	✓	✓
620			9.9	60.0	✓	✓
140			5.3	64.6	✓	✓
610			2.8	67.1	✓	✓
140			2.6	67.3	✓	✓
600						
150						
610						
150						
620						
150						
630						
150						
T.P.	6.55	974.72	1.73	968.17		
630			5.0	69.7	✓	✓
160			6.4	68.3	✓	✓
620			8.9	65.8	✓	✓
160			12.6	62.1	✓	✓
610			13.8	60.9	✓	✓
160			10.9	63.8	✓	✓
600			5.0	69.7	✓	✓
170			4.3	70.4	✓	✓
610			3.8	70.9	✓	✓
170			5.5	69.2	✓	✓
620						
180						

Rock N4620  
E51265

W.A.P.

4610	974.72	10.5	964.2	✓	✓
5180					
600		15.7	59.0	✓	✓
180					
600		13.9	60.8	✓	✓
190					
610		9.8	64.9	✓	✓
190					
620		6.1	68.6	✓	✓
190					
630		3.8	70.9	✓	✓
190					
630		2.0	72.7	✓	✓
200					
620		6.3	68.4	✓	✓
200					
610		8.6	66.1	✓	✓
200					
600		10.2	64.5	✓	✓
200					
590		18.0	56.7	✓	✓
210					
600		14.0	60.7	✓	✓
210					
610		12.1	62.6	✓	✓
210					
620		7.9	66.8	✓	✓
210					
630		2.7	72.0	✓	✓
210					
610		12.9	61.8	✓	✓
220					
620		10.2	64.5	✓	✓
220					
630		7.2	67.5	✓	✓
220					
630		7.7	67.0	✓	✓
236					
620		11.5	63.2	✓	✓
230					
610		18.1	56.6	✓	✓
230					
620		15.5	59.2	✓	✓
240					
630		9.6	65.1	✓	✓
240					
630		11.3	63.4	✓	✓
250					
620		20.0	54.7	✓	✓
250					

W.H.S.



4630		974.72			
5260			18.3	956.4	✓ ✓
T.P.	0.77	962.49 ✓	13.00	961.72 ✓	
T.P.	0.27	950.00 ✓	12.76	949.73 ✓	
T.P.	0.80	937.87 ✓	12.93	937.07 ✓	
T.P.	0.49	925.35 ✓	13.01	924.86 ✓	
T.P.	0.24	912.50 ✓	13.09	912.26 ✓	
	3.29	903.86 ✓	11.93	900.57 ✓	
			5.31	898.55 ✓	

4595  
5193

= checks on T.P. set by M.D.E. N 4505 E 5145 Et. 898.51

	2.46	802.86 <sup>9</sup>		800.40		
4210			15.0	787.9	✓	✓
5000			12.2	90.7	✓	✓
220			8.5	94.4	✓	✓
5000			0.9	802.0	✓	✓
230			2.5	00.4	✓	✓
5000			4.7	798.2	✓	✓
4260			7.0	95.9	✓	✓
4990			9.0	93.9	✓	✓
250			11.5	91.4	✓	✓
990			16.2	86.7	✓	✓
240			11.5	91.4	✓	✓
990			9.6	93.3	✓	✓
230			7.6	95.3	✓	✓
990			5.1	97.8	✓	✓
220			2.6	800.3	✓	✓
990						
710			2.96	800.40		
990	12.91	813.31 <sup>9</sup>	11.8	01.5	✓	✓
200			11.0	02.3	✓	✓
990			11.1	02.2	✓	✓
780			8.7	04.6	✓	✓
210			5.7	07.6	✓	✓
980			3.4	09.9	✓	✓
220			5.1	08.2	✓	✓
980			6.8	06.5	✓	✓
230						
980						
240						
980						
T.P.						
250						
980						
260						
980						
270						
990						
280						
990						
290						
990						
300						
990						
300						
980						
290						
980						

Rock 2 E of 4240  
4980

with 5.

		813.31			
4280			7.7	805.6	✓ ✓ ✓
4980					
270			9.3	04.0	✓ ✓ ✓
980					
T.P.	11.02	823.73	0.60	812.71	
T.P.	7.23	828.00	2.96	820.77	
4310			15.6	12.4	✓ ✓ ✓
1990			15.4	12.6	✓ ✓ ✓
320			15.5	12.5	✓ ✓ ✓
990			15.5	12.5	✓ ✓ ✓
330			14.4	13.6	✓ ✓ ✓
990			12.5	15.5	✓ ✓ ✓
340			11.3	16.7	✓ ✓ ✓
990			9.9	18.1	✓ ✓ ✓
350			7.5	20.5	✓ ✓ ✓
990			4.3	23.7	✓ ✓ ✓
360		828.0	3.4	24.6	✓ ✓ ✓
990			2.2	25.8	✓ ✓ ✓
370			2.5	25.5	✓ ✓ ✓
990			6.0	22.0	✓ ✓ ✓
380			8.1	19.9	✓ ✓ ✓
990			9.6	18.4	✓ ✓ ✓
390			12.2	15.8	✓ ✓ ✓
980			14.0	14.0	✓ ✓ ✓
370			16.0	12.0	✓ ✓ ✓
980			16.8	11.2	✓ ✓ ✓
360			19.6	08.4	✓ ✓ ✓
980					
350					
980					

R.S.H.

828.00

4340				
4980	19.3	808.7	✓	✓
330				
980	19.3	08.7	✓	✓
320				
980	18.6	09.4	✓	✓
310				
780	16.5	11.5	✓	✓
390				
970	15.0	13.0	✓	✓
400				
970	12.7	15.3	✓	✓
410				
970	10.1	17.9	✓	✓
420				
970	8.8	19.2	✓	✓
430				
970	4.5	23.5	✓	✓
440				
970	2.6	25.4	✓	✓
450				
970	4.0	24.0	✓	✓
460				
970	5.5	22.5	✓	✓
470				
970	4.7	23.3	✓	✓
480				
970	1.3	26.7	✓	✓
500				
960	0.7	27.3	✓	✓
490				
960	5.2	22.8	✓	✓
480				
960	8.3	19.7	✓	✓
470				
960	10.7	17.3	✓	✓
460				
960	11.3	16.7	✓	✓
450				
960	10.5	17.5	✓	✓
440				
960	10.4	17.6	✓	✓
430				
960	10.4	17.6	✓	✓
420				
960	11.1	16.9	✓	✓
410				
960	13.3	14.7	✓	✓
400				
960	15.5	12.5	✓	✓

REK

828.00

4410 4950	17.2	810.7	✓	✓	✓
420 950	15.0	13.0	✓	✓	✓
430 950	13.7	14.3	✓	✓	✓
440 950	14.6	13.4	✓	✓	✓
450 950	16.1	11.9	✓	✓	✓
460 950	18.0	10.0	✓	✓	✓
470 950	15.7	12.3	✓	✓	✓
480 950	11.6	16.4	✓	✓	✓
490 950	8.7	19.3	✓	✓	✓
500 950	5.5	22.5	✓	✓	✓
510 950	1.9	26.1	✓	✓	✓
530 940	3.6	24.4	✓	✓	✓
520 940	5.8	22.2	✓	✓	✓
510 940	8.4	19.6	✓	✓	✓
500 940	10.0	18.0	✓	✓	✓
490 940	12.4	15.6	✓	✓	✓
500 920	14.3	13.7	✓	✓	✓
510 930	11.9	16.1	✓	✓	✓
520 930	16.7	11.3	✓	✓	✓
530 930	9.8	18.2	✓	✓	✓
540 920	+0.2	28.2	✓	✓	✓
530 920	6.5	21.5	✓	✓	✓
520 920	15.3	12.7	✓	✓	✓
530 910	6.6	21.4	✓	✓	✓
540 910	3.3	24.7	✓	✓	✓

PSS

828.00

4550				
4900				
540	4.1	823.9	✓	✓
900	8.1	19.9	✓	✓
530				
900	11.0	17.0	✓	✓
540				
890	13.1	14.9	✓	✓
550				
890	8.6	19.4	✓	✓
560				
890	3.7	24.3	✓	✓
580				
880	1.3	26.7	✓	✓
570				
880	4.2	23.8	✓	✓
560				
880	8.7	19.3	✓	✓
550				
880	12.9	15.1	✓	✓
550				
870	15.7	12.3	✓	✓
560				
870	13.3	14.7	✓	✓
570				
870	9.2	18.8	✓	✓
580				
870	7.8	20.2	✓	✓
590				
870	4.6	<del>23.4</del> 22.4	✓	✓
600				
870	1.2	26.8	✓	✓
600				
860	3.0	25.0	✓	✓
590				
860	8.1	19.9	✓	✓
580				
860	12.4	15.6	✓	✓
570				
860	18.7	09.3	✓	✓
580				
850	14.3	13.7	✓	✓
590				
850	10.2	17.8	✓	✓
600				
850	4.7	23.3	✓	✓
620				
840	3.4	24.6	✓	✓
610				
840	6.0	22.0	✓	✓

4600					
4840					
590			10.1	17.9	✓ ✓ ✓
840					
580			13.3	14.7	✓ ✓ ✓
840					
590			16.1	11.9	✓ ✓ ✓
830					
600			16.4	11.6	✓ ✓
830					
610			13.7	14.3	✓ ✓
830					
620			9.7	18.3	✓ ✓ ✓
830					
630			8.0	20.0	✓ ✓
830					
620			3.9	24.1	✓ ✓
820					
610			11.0	17.0	✓ ✓
820					
620			15.5	12.5	✓ ✓
810					
810			14.0	14.0	✓ ✓ ✓
T.P.	13.01	840.40			
630			0.61	827.39	
840					
630			12.1	28.3	✓ ✓ ✓
850					
620			7.2	33.2	✓ ✓ ✓
850					
610			11.0	29.4	✓ ✓ ✓
850					
610			13.3	27.1	✓ ✓ ✓
860					
620			10.4	30.0	✓ ✓ ✓
860					
630			7.7	32.7	✓ ✓ ✓
860					
620			3.1	37.3	✓ ✓ ✓
870					
610			2.7	37.7	✓ ✓ ✓
870					
590			8.4	32.0	✓ ✓ ✓
880					
600			12.4	28.0	✓ ✓ ✓
880					
610			10.3	30.1	✓ ✓ ✓
880					
600			4.7	35.7	✓ ✓ ✓
890					
890			2.3	38.1	✓ ✓ ✓

Rock 4600  
4858

840.40

4590 4890	7.5	832.9	✓	✓	✓
580 890	8.4	32.0	✓	✓	✓
570 890	12.2	28.2	✓	✓	✓
560 900	12.5	27.9	✓	✓	✓
570 900	8.8	31.6	✓	✓	✓
580 900	4.8	35.6	✓	✓	✓
570 900	1.9	38.5	✓	✓	✓
580 910	2.0	38.4	✓	✓	✓
570 910	6.0	34.4	✓	✓	✓
560 910	9.0	31.4	✓	✓	✓
550 910	11.2	29.2	✓	REL	✓
550 920	7.8	32.6	✓	✓	✓
560 920	3.4	37.0	✓	✓	✓
570 920	0.0	40.4	✓	✓	✓
560 930	0.0	40.4	✓	✓	✓
550 930	3.7	36.7	✓	✓	✓
540 930	11.5	28.9	✓	✓	✓
540 940	10.7	29.7	✓	✓	✓
550 940	0.7	39.7	✓	✓	✓
550 950	0.5	39.9	✓	✓	✓
540 950	8.7	31.7	✓	✓	✓
530 950	10.7	29.7	✓	✓	✓
520 950	13.0	27.4	✓	✓	✓
510 960	10.8	29.6	✓	✓	✓
520 960	7.4	33.0	✓	✓	✓

(12)



4530						
4960		840.40	5.3	835.1	✓	✓
540			4.1	36.3	✓	✓
760			1.6	38.8	✓	✓
520			6.0	34.4	✓	✓
970			10.3	30.1	✓	✓
510			14.7	25.7	✓	✓
970			10.4	30.0	✓	✓
500			11.3	29.1	✓	✓
970			11.7	28.7	✓	✓
490			11.1	29.3	✓	✓
970			9.8	30.6	✓	✓
440			7.3	33.1	✓	✓
980			5.5	34.9	✓	✓
450			0.8	39.6	✓	✓
980			3.4	37.0	✓	✓
460			4.4	36.0	✓	✓
980			4.2	36.2	✓	✓
470			4.5	35.9	✓	✓
980			5.6	34.8	✓	✓
480			9.8	30.6	✓	✓
980						
490						
980						
460						
990						
450						
990						
440						
990						
430						
990						
T.P.	12.59	852.41	0.58	839.82		
490			13.3	39.1	✓	✓
990			11.3	41.1	✓	✓
500			10.2	42.2	✓	✓
990			5.1	47.3	✓	✓
510						
990						
520						
990						

Rock N 1428  
E 4998

	852.41			
4530		0.0	852.4	✓ ✓
4990				
540		3.2	49.2	✓ ✓
980				
530		4.7	47.7	✓ ✓
980				
520		8.6	43.8	✓ ✓
980				
530		10.4	42.0	✓ ✓
970				
540		9.6	42.8	✓ ✓
970				
550		7.3	45.1	✓ ✓
970				
560		6.0	46.4	✓ ✓
970				
560		4.3	48.1	✓ ✓
960				
550		14.5	37.9	✓ ✓
960				
560		6.1	46.3	✓ ✓
950				
570		5.7	46.7	✓ ✓
940				
560		8.4	44.0	✓ ✓
940				
570		8.8	43.6	✓ ✓
930				
580		3.6	48.8	✓ ✓
930				
590		3.5	48.9	✓ ✓
920				
580		10.1	42.3	✓ ✓
920				
590		7.9	44.5	✓ ✓
910				
600		5.1	47.3	✓ ✓
910				
610		1.0	51.4	✓ ✓
910				
630		1.8	50.6	✓ ✓
900				
620		4.7	47.7	✓ ✓
900				
610		8.4	44.0	✓ ✓
900				
600		11.9	40.5	✓ ✓
900				
610		13.7	38.7	✓ ✓
890				

(end)

		852.41				
4620			15.1	37.3	✓	✓
4890						
630			3.4	49.0	✓	✓
890						
630			5.8	46.6	✓	✓
880						
620			10.8	41.6	✓	✓
880						
630			8.8	43.6	✓	✓
870						
T.P.	13.01	865.33	0.09	852.32	✓	✓
620						
910			10.6	54.7	✓	✓
630						
910			6.9	58.4	✓	✓
630						
920			2.0	63.3	✓	✓
620						
920			4.2	61.1	✓	✓
610						
920			9.2	56.1	✓	✓
600						
920			11.9	53.4	✓	✓
590						
930			12.0	53.3	✓	✓
600						
930			8.5	56.8	✓	✓
610						
930			2.1	63.2	✓	✓
600						
940			3.6	61.7	✓	✓
590						
940			8.0	57.3	✓	✓
580						
940			12.4	52.9	✓	✓
570						
950			11.7	53.6	✓	✓
580						
950			7.9	57.4	✓	✓
590						
950			1.8	63.5	✓	✓
580						
960			3.8	61.5	✓	✓
570						
960			9.0	56.3	✓	✓
570						
970			9.9	55.4	✓	✓
580						
970			0.3	65.0	✓	✓

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4580		865.33			
4980			1.8	863.5	✓ ✓
570					
980			7.5	57.8	✓ ✓
560					
980			15.6	49.7	✓ ✓
550					
980			15.0	50.3	✓ ✓
540					
990			9.5	55.8	✓ ✓
550					
990			6.7	58.6	✓ ✓
560					
990			5.3	60.0	✓ ✓
570					
990			2.4	62.9	✓ ✓
T.P.	11.16	875.86	0.63	864.70	
580					
990			12.2	63.7	✓ ✓
590					
990			4.0	71.9	✓ ✓
590					
980			1.4	74.5	✓ ✓
590					
970			4.5	71.4	✓ ✓
590					
960			8.3	67.6	✓ ✓
600					
960			5.3	70.6	✓ ✓
610					
960			0.4	75.5	✓ ✓
620					
950			2.7	73.2	✓ ✓
610					
950			6.0	69.9	✓ ✓
600					
950			10.0	65.9	✓ ✓
610					
940			9.4	66.5	✓ ✓
620					
940			5.8	70.1	✓ ✓
630					
940			1.5	74.4	✓ ✓
620					
930			10.5	65.4	✓ ✓
630					
930			5.9	70.0	✓ ✓
T.P.			0.92	874.94	

4630	12.57	887.51	874.94		
4950			10.5	77.0 <sup>✓</sup>	✓ ✓
630			8.0	79.5 <sup>✓</sup>	✓ ✓
960			10.3	77.2 <sup>✓</sup>	✓ ✓
620			12.3	75.2 <sup>✓</sup>	✓ ✓
960			7.3	80.2 <sup>✓</sup>	✓ ✓
600			4.0	83.5 <sup>✓</sup>	✓ ✓
970			4.1	83.4 <sup>✓</sup>	✓ ✓
610			+3.3	90.8 <sup>✓</sup>	✓ ✓
970			0.7	86.8 <sup>✓</sup>	✓ ✓
620			4.5	83.0 <sup>✓</sup>	✓ ✓
970			8.6	78.9 <sup>✓</sup>	✓ ✓
630			10.1	77.4 <sup>✓</sup>	✓ ✓
970			0.0	87.5 <sup>✓</sup>	✓ ✓
630			+2.9	90.4 <sup>✓</sup>	✓ ✓
980			+9.5	97.0 <sup>✓</sup>	✓ ✓
600	T.P.	12.76	892.64	7.63	879.88
980				7.04	885.60 <sup>✓</sup>
600					
990					
610					
990					
620					
990					
630					
990					

- check on T.P. 4490  
5110 El. 885.63

	12.26	715.76		703.50	= B.M. N-		
T.P.	0.27	703.38	12.65	703.11			
T.P.	0.34	691.33	12.39	690.99			
T.P.	0.15	678.62	12.86	678.47			
N 4140			3.6	75.0	✓	✓	
E 5490			17.7	60.9	✓	✓	
140			20.7	57.9	✓	✓	
500			22.7	55.9	✓	✓	
140			16.8	61.8	✓	✓	
510			17.0	61.6	✓	✓	
140			16.3	62.3	✓	✓	
520			8.4	70.2	✓	✓	
140			3.8	74.8	✓	✓	
530			5.0	73.6	✓	✓	
140			9.0	69.6	✓	✓	
540			6.7	71.9	✓	✓	
140			14.4	64.2	✓	✓	
570			13.8	64.8	✓	✓	
150			3.8	74.8	✓	✓	
570			4.6	74.0	✓	✓	
160			10.2	68.4	✓	✓	
560			18.0	60.6	✓	✓	
150			8.3	70.3	✓	✓	
530			3.3	75.3	✓	✓	
160			4.9	73.7	✓	✓	
530							
170							
530							
180							
520							

N 4183  
E 5276

April, 12, 1932

Simpson  
Louden  
Bailey  
Walton.

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4170						
5520		678.62	6.5	672.1 <sup>✓</sup>	✓	✓
160						
520			11.9	66.7 <sup>✓</sup>	✓	✓
150						
520			19.8	58.8 <sup>✓</sup>	✓	✓
150						
510			13.4	65.2 <sup>✓</sup>	✓	✓
160						
510			6.2	72.4 <sup>✓</sup>	✓	✓
170						
510			2.6	76.0 <sup>✓</sup>	✓	✓
180						
500			0.0	78.6 <sup>✓</sup>	✓	✓
170						
500			5.1	73.5 <sup>✓</sup>	✓	✓
160						
500			9.1	69.5 <sup>✓</sup>	✓	✓
150						
500			13.3	65.3 <sup>✓</sup>	✓	✓
150						
490			3.0	75.6 <sup>✓</sup>	✓	✓
160						
490			1.6	77.0 <sup>✓</sup>	✓	✓
T.P.	12.96	691.51 <sup>✓</sup>	0.07	678.55 <sup>✓</sup>		
140						
480			7.4	84.1 <sup>✓</sup>	✓	✓
150						
480			4.2	87.3 <sup>✓</sup>	✓	✓
160						
480			2.9	88.6 <sup>✓</sup>	✓	✓
170						
480			1.4	90.1 <sup>✓</sup>	✓	✓
180						
480			+0.4	91.9 <sup>✓</sup>	✓	✓
190						
490			2.5	89.0 <sup>✓</sup>	✓	✓
180						
490			6.9	84.6 <sup>✓</sup>	✓	✓
170						
490			10.6	80.9 <sup>✓</sup>	✓	✓
190						
500			5.8	85.7 <sup>✓</sup>	✓	✓
200						
500			3.9	87.6 <sup>✓</sup>	✓	✓
200						
510			4.9	86.6 <sup>✓</sup>	✓	✓
190						
510			8.9	82.6 <sup>✓</sup>	✓	✓

(end)

N 4170  
E 5522 Rock

4180					
5510		691.51	12.5	79.0 <sup>v</sup>	✓ ✓
190			11.2	80.3 <sup>v</sup>	✓ ✓
520			8.4	83.1 <sup>v</sup>	✓ ✓
200			3.6	87.9 <sup>v</sup>	✓ ✓
520			2.6	88.9 <sup>v</sup>	✓ ✓
210			8.7	82.8 <sup>v</sup>	✓ ✓
520			12.6	78.9 <sup>v</sup>	✓ ✓
190			4.9	86.6 <sup>v</sup>	✓ ✓
530			2.6	88.9 <sup>v</sup>	✓ ✓
180			11.0	80.5 <sup>v</sup>	✓ ✓
530			13.3	78.2 <sup>v</sup>	✓ ✓
170			1.2	90.3 <sup>v</sup>	✓ ✓
550			6.0	85.5 <sup>v</sup>	✓ ✓
170			15.2	76.3 <sup>v</sup>	✓ ✓
560			10.9	80.6 <sup>v</sup>	✓ ✓
180			8.6	82.9 <sup>v</sup>	✓ ✓
560			7.1	84.4 <sup>v</sup>	✓ ✓
180			7.8	83.7 <sup>v</sup>	✓ ✓
570			8.5	83.0 <sup>v</sup>	✓ ✓
170			1.9	89.6 <sup>v</sup>	✓ ✓
580			5.0	86.5 <sup>v</sup>	✓ ✓
180					
580	12.70	703.55	0.66	690.85	
170			10.1	693.5 <sup>v</sup>	✓ ✓
580			7.8	95.8 <sup>v</sup>	✓ ✓
150			4.7	98.9 <sup>v</sup>	✓ ✓
590					
140					
590					
T.P.					
140					
600					
150					
600					
160					
600					

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4170	2.3	701.3 <sup>✓</sup>	✓	✓
5600				
180	1.7	019 <sup>✓</sup>	✓	✓
600				
190	3.3	00.3 <sup>✓</sup>	✓	✓
600				
200	0.3	03.3 <sup>✓</sup>	✓	✓
590				
190	10.9	692.7 <sup>✓</sup>	✓	✓
590				
180	10.2	93.4 <sup>✓</sup>	✓	✓
590				
170	9.4	94.2 <sup>✓</sup>	✓	✓
590				
160	11.1	92.5 <sup>✓</sup>	✓	✓
590				
190	9.3	94.3 <sup>✓</sup>	✓	✓
580				
200	0.6	703.0 <sup>✓</sup>	✓	✓
580				
200	3.8	699.8 <sup>✓</sup>	✓	✓
570				
190	11.0	92.6 <sup>✓</sup>	✓	✓
570				
190	7.3	96.3 <sup>✓</sup>	✓	✓
560				
200	0.8	702.8 <sup>✓</sup>	✓	✓
560				
200	2.8	00.8 <sup>✓</sup>	✓	✓
550				
190	9.4	694.2 <sup>✓</sup>	✓	✓
550				
190	11.8	91.8 <sup>✓</sup>	✓	✓
540				
200	3.0	700.6 <sup>✓</sup>	✓	✓
540				
210	1.3	02.3 <sup>✓</sup>	✓	✓
530				
200	8.4	695.2 <sup>✓</sup>	✓	✓
530				
220	8.6	95.0 <sup>✓</sup>	✓	✓
520				
230	1.2	702.4 <sup>✓</sup>	✓	✓
520				
230	8.6	695.0 <sup>✓</sup>	✓	✓
510				
220	12.4	91.2 <sup>✓</sup>	✓	✓
510				

cont. in Book #347

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4/12/32

## Check Levels for X section N of Axis

B.M.	12.21 1/2	810.61		798.39 1/2	
T.P.			0.21	810.40	
	13.10	823.50			
T.P.			0.02	823.48	
	12.90	836.38			
T.P.			0.49	835.89	
	12.86	848.75			
T.P.			0.68	848.07	
	12.81	860.88			
Check			6.43	854.45	854.46
T.P.			0.40	860.48	
	12.72	873.20			
T.P.			0.18	873.02	
	13.00	886.02			
T.P.			0.39	885.63	
	13.02	898.65			
T.P.			0.14	898.51	

Rock N4240  
E5000N4453  
Rock E5080N4500  
Stake E5060N4490  
Rock E5110N4505  
Rock E5145

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side of shoulder  
take for any width roadway, slope 1% to 1%  
If ground is nearly level, the cut or fill at side  
stake is located by the double entry method in  
left column and top row. The number in both

of table in same row and column gives distance

**IMPROVED TABLES**  
**AND**  
**INFORMATION**

TABLE No. 2.

To find Tangent and External for curve of  
any other degree, divide by degree of curve and  
add correction found in column of correction.  
Degree of curve with a given  $L$  may be found  
by dividing tangent (or external), opposite  $L$  by  
given tangent (or external).

The distance from a point on the tangent to  
the curve is very nearly the square of the tangent  
length divided by twice the radius.

T.P. on rock 2' E. of 4240  
4980 800.41  
T.P. on rock N4305  
E5440 766.71.

516

2.8

2.8

866.1

2.8

8.2

2.3

5.9

8.2

5.9

2.3