

EL CAPITAN  
Pipe Line Survey  
Levels &  
Cross Sections #10

LEVEL BOOK

300

W201

MICROFILMED  
JAN 21 1965

LIBRARY OF CONGRESS  
JAN 21 1965

June 3, 1926  
 Duvernit, Notes  
 Reynolds, +  
 Anderson, +  
 Bichet, +

Sta.	+	-	Elev.	Elev. B.M.	Left	Right
1149+00 B.M. # 153	2.223	140.269		138.046		
1148+04E		5.0	135.3		136.1 $\frac{4^2}{10^2}$	134.3 $\frac{6^2}{10^2}$
+18E		5.4	Edge of old road 134.9		135.5 $\frac{4^2}{10^2}$	134.2 $\frac{6^2}{10^2}$
+63E Approx. E.C.		5.2	135.1	Note. E.C. Hub at Distance measured with tape	135.3 $\frac{5^2}{10^2}$	Edge of Hubner 134.7 $\frac{5^2}{10^2}$
+73E		5.9	134.4		134.3 $\frac{6^2}{10^2}$	133.9 $\frac{6^2}{10^2}$
+74E		9.1	131.2		133.9 $\frac{6^2}{10^2}$	133.8 $\frac{6^2}{10^2}$
+80E		10.1	130.2		131.5 $\frac{8^2}{10^2}$	131.3 $\frac{9^2}{5^2}$
+81E 18" Culvert C.Z.		11.0	Flow Line 129.3		131.5 $\frac{8^2}{10^2}$	134.0 $\frac{6^3}{5^2}$
+83E 18" Culvert C.I.		11.0	Flow Line 129.3		131.2 $\frac{9^2}{5^2}$	133.9 $\frac{6^2}{5^2}$
+85E 18" Culvert C.Z.		9.5	130.8		130.9 $\frac{9^2}{10^2}$	133.6 $\frac{6^2}{10^2}$
+87E		8.5	131.8		131.5 $\frac{8^2}{10^2}$	128.8 $\frac{11^2}{28^2}$ Flow line.
1149+00		7.7	132.6		130.9 $\frac{9^2}{10^2}$	133.7 $\frac{6^2}{5^2}$
+36		7.2	133.1		131.2 $\frac{9^2}{10^2}$	133.6 $\frac{6^2}{10^2}$
					130.2 $\frac{10^2}{6^2}$	129.0 $\frac{11^2}{25^2}$ Flow line.
					131.5 $\frac{8^2}{10^2}$	129.3 $\frac{11^2}{25^2}$ Flow line.
					130.4 $\frac{9^2}{6^2}$	129.1 $\frac{11^2}{25^2}$ Flow line.
					131.3 $\frac{9^2}{3^2}$	133.7 $\frac{6^2}{4^2}$
					133.3 $\frac{7^2}{4^2}$	133.4 $\frac{6^2}{10^2}$
					132.7 $\frac{7^2}{10^2}$	132.7 $\frac{7^2}{10^2}$
					135.2 $\frac{8^2}{4^2}$	135.2 $\frac{5^2}{10^2}$

Sta.	+	x	-	Elev.	Elev. B. M.
		140.269			
+84			4.7	135.6	
1150 +00			4.4	135.9	
+18°			4.3	136.0	
+28°			3.9	136.4	
Stake T.P.			1.631	138.638	
	7.598	146.236			
1150 +70			8.6	137.6	
1151 +00			7.7	138.5	
1152 +00			5.1	141.1	
Stake T.P.			1.578	144.658	
	9.481	154.139			
1150 +28°					
+70°					
1152 +00					

Left	Right
135.4 $\frac{4.2}{10.0}$	136.3 $\frac{4.0}{10.0}$
135.5 $\frac{4.8}{10.0}$	136.7 $\frac{3.5}{10.0}$
139.5 $\frac{0.8}{10.0}$	136.9 $\frac{3.9}{10.0}$
140.3 $\frac{0.8}{3.2}$	136.2 $\frac{4.1}{2.0}$
	136.4 $\frac{3.2}{1.2}$
146.2 $\frac{0.6}{6.0}$	138.1 $\frac{8.1}{2.0}$
146.2 $\frac{0.6}{10.2}$	139.3 $\frac{6.9}{2.0}$
146.2 $\frac{0.6}{6.2}$	143.4 $\frac{2.8}{4.0}$
143.6 $\frac{10.6}{10.0}$	138.4 $\frac{7.8}{10.0}$
153.2 $\frac{0.2}{10.0}$	139.3 $\frac{6.3}{10.0}$
149.1 $\frac{5.0}{10.0}$	141.5 $\frac{4.2}{10.0}$

Sta.	+	-	Elev.	Elev. B.M.
		154.139 ✓		
1152+70		11.1	143.0 ✓ <del>140.0</del>	
1153+00		10.3	143.8 ✓	
+13		9.7	144.4 ✓	
+25		7.6	146.5 ✓	
+50		6.2	147.9 ✓	
+75		5.4	148.7 ✓	
1154+00		6.4	147.7 ✓	
+225		5.7	148.7 ✓	
+590		5.2	148.9 ✓	
J.P.		1406	152.733 ✓	
1153+130	11.183	163.916 ✓		
+250				
+500				

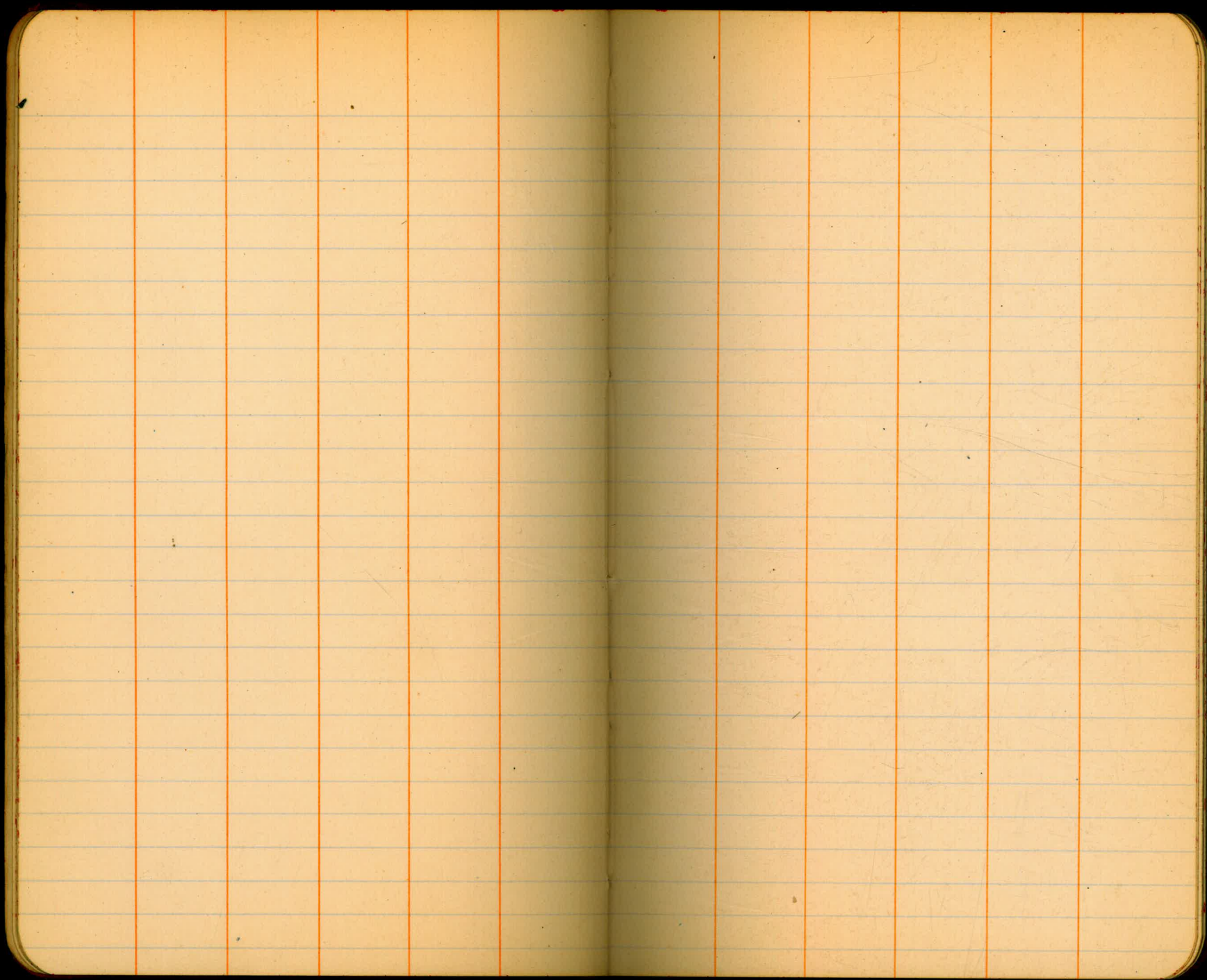
3

Left	Right
149.8 ✓ $\frac{43}{100}$	147.9 ✓ $\frac{62}{70}$
152.5 ✓ $\frac{18}{100}$	143.9 ✓ $\frac{11}{20}$
154.1 ✓ $\frac{00}{80}$	145.1 ✓ $\frac{90}{10}$
152.0 ✓ $\frac{21}{40}$	144.7 ✓ $\frac{92}{100}$
154.1 ✓ $\frac{00}{60}$	144.7 ✓ $\frac{92}{20}$
154.1 ✓ $\frac{00}{40}$	145.7 ✓ $\frac{82}{10}$
154.1 ✓ $\frac{00}{40}$	146.8 ✓ $\frac{72}{20}$
154.1 ✓ $\frac{00}{40}$	147.2 ✓ $\frac{60}{10}$
154.1 ✓ $\frac{00}{30}$	148.1 ✓ $\frac{60}{20}$
153.6 ✓ $\frac{05}{100}$	149.2 ✓ $\frac{40}{30}$
154.9 ✓ $\frac{90}{100}$	149.2 ✓ $\frac{40}{20}$
157.0 ✓ $\frac{60}{100}$	
158.7 ✓ $\frac{50}{100}$	

Sta.	+	π.	-	Elev.	Elev. B.M.	Left.	Right.
		163.916				160.0 $\frac{39}{100}$	
1153+75 <sup>o</sup>						158.0 $\frac{52}{100}$	
1154+00						156.9 $\frac{70}{100}$	
+22 <sup>o</sup>						154.5 $\frac{92}{100}$	
1155+00			14.4	149.5		149.6 $\frac{143}{20}$	150.4 $\frac{130}{100}$
+98 <sup>o</sup> P.I.			13.2	150.7		157.9 $\frac{60}{100}$	151.5 $\frac{124}{100}$
1156+00			11.6	152.3		156.1 $\frac{78}{100}$	152.6 $\frac{113}{100}$
+40 <sup>o</sup>			11.1	152.8		154.2 $\frac{92}{100}$	153.7 $\frac{100}{100}$
1157+00			9.3	154.6		163.1 $\frac{08}{50}$	155.8 $\frac{81}{100}$
+42			7.7	156.2		163.9 $\frac{02}{82}$	157.3 $\frac{60}{100}$
1158+00 1158+25 B.M. #154			5.2	158.7		162.7 $\frac{12}{42}$	159.2 $\frac{47}{100}$
	13.000	170.561	6.353	157.563	157.561	163.9 $\frac{02}{32}$	
1157+00						165.3 $\frac{53}{100}$	

Record Elev. B.M.

Sta.	+	π	-	Elev.	Elev. B.M.	Left.	Right.
		170.561					
1157+42 <sup>2</sup>						164.6 6 <sup>0</sup> 10 <sup>0</sup>	
1158+00						168.7 1 <sup>2</sup> 10 <sup>0</sup>	





140.

140.269  
- 1.631  
138.638  
+ 7.598  
146.236  
- 1.578  
144.658  
9.999 +  
154.139  
1.406 -  
152.733  
11.183 +  
163.916  
6.353 -  
157.563  
157.561 B.M.