



LUCAS ENGINEERING CO.  
 BUTLER, PA.  
 MINE MAP  
 EAGAL COAL COMPANY  
 SITUATE: CENTER TOWNSHIP  
 BUTLER COUNTY PA.  
 SCALE: 1" = 100'

LEGEND  
 LAST SURVEY - 8-16-73 W.S.L.  
 1-5-71 W.S.L.

*Handwritten signature: J. Lucas*

EAGAL COAL CO  
 CRAIG SAUL MINE  
 CENTER TWP  
 BUTLER CO  
 UPPER FREE PORT  
 2-12-72

NOTE: LEVELS ESTABLISHED FROM  
 U.S. GEOLOGICAL SURVEY B.M.  
 SEA LEVEL SANDY HOOK N.D.

LEGEND OF SURVEYS

SYMBOL	DATE	ENGINEER	SYMBOL	DATE	ENGINEER
A	7-19-17	A. J. LUCAS M.E.	IS	12-8-50	A. J. LUCAS M.E.
B	5-19-19	"	L	18-16-50	"
C	2-19-50	"	M	1-30-50	"
D	7-19-50	"	P	3-3-50	"
E	12-15-50	"	Q	12-9-51	"
F	12-1-51	"	R	12-12-52	"
G	12-16-52	"	S	8-16-53	"
H	12-10-53	"	T	9-16-54	"
I	9-30-55	"	U	9-21-55	"
V	3-18-57	"	W	2-9-70	"
			X	2-15-71	"
			Y	8-21-71	"
			Z	2-12-72	"

#675  
 7-1-99  
 C.C.