

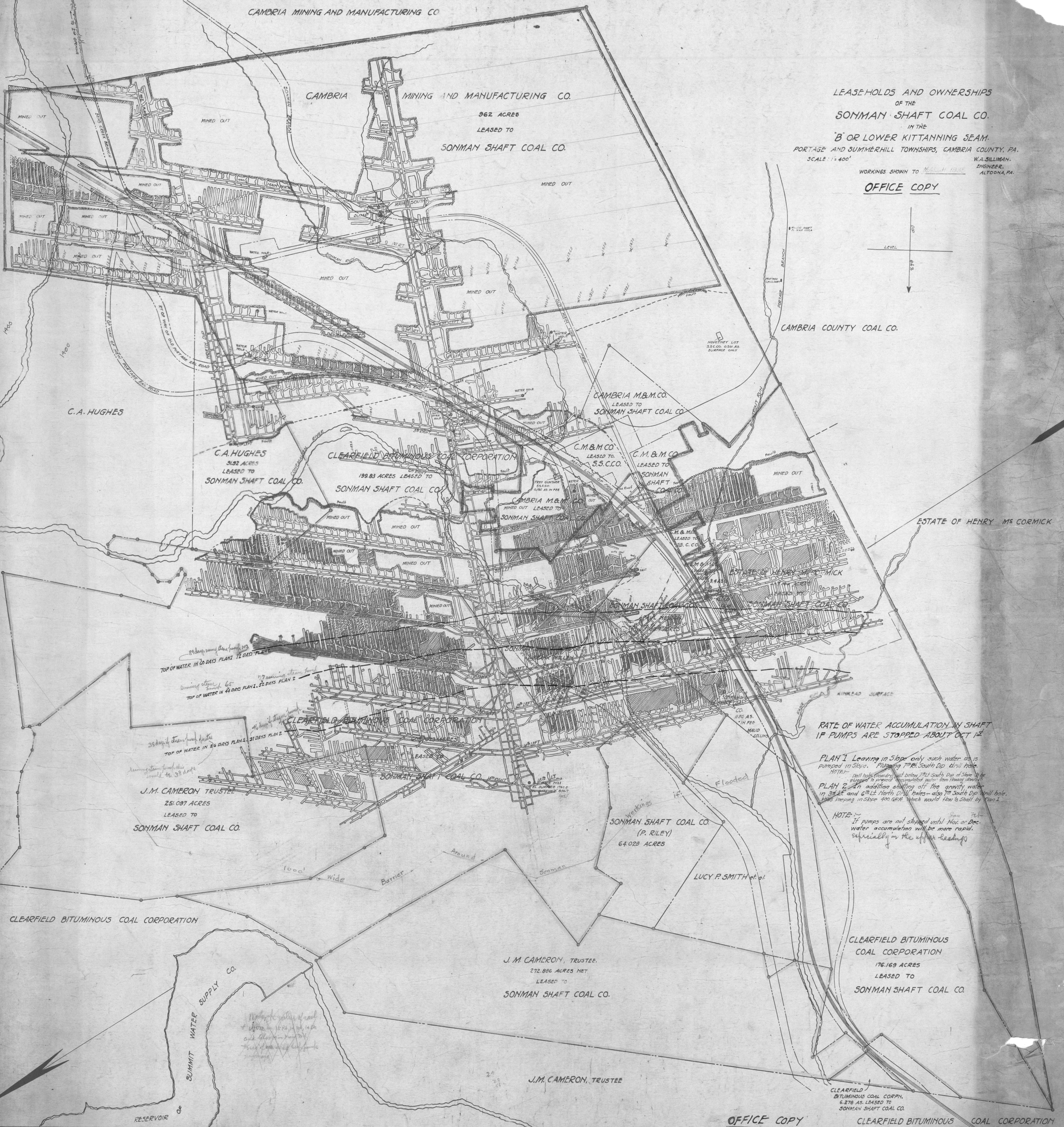
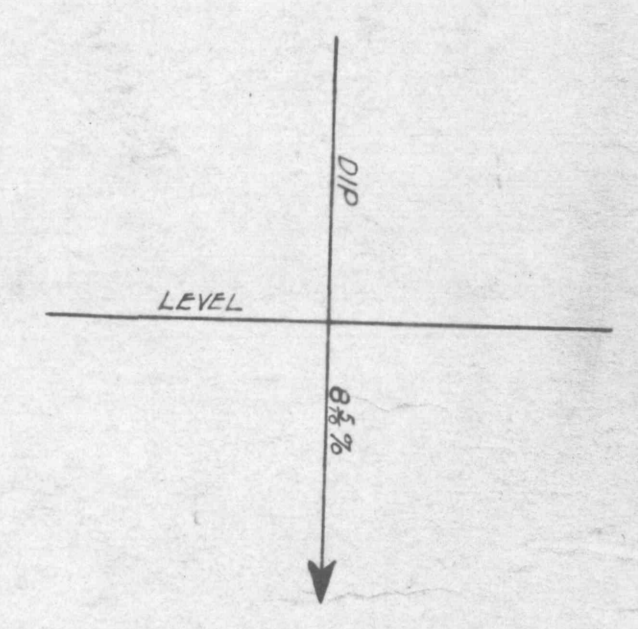
CAMBRIA MINING AND MANUFACTURING CO

LEASEHOLDS AND OWNERSHIPS  
OF THE  
SONMAN SHAFT COAL CO.  
IN THE  
"B" OR LOWER KITTANNING SEAM.

PORTAGE AND SUMMERHILL TOWNSHIPS, CAMBRIA COUNTY, PA.  
SCALE: 1" = 400'

W.A. SILLIMAN,  
ENGINEER,  
ALTOONA, PA.

WORKINGS SHOWN TO MARCH 1934  
**OFFICE COPY**



C.A. HUGHES

C.A. HUGHES  
31.92 ACRES  
LEASED TO  
SONMAN SHAFT COAL CO.

CLEARFIELD BITUMINOUS COAL CORPORATION  
199.83 ACRES LEASED TO  
SONMAN SHAFT COAL CO.

CAMBRIA M.&M. CO.  
LEASED TO  
SONMAN SHAFT COAL CO.

C.M.&M. CO.  
LEASED TO  
S.S.C. CO.

C.M.&M. CO.  
LEASED TO  
SONMAN SHAFT COAL CO.

ESTATE OF HENRY Mc CORMICK

TROUT RUN COAL MINING CO

J.M. CAMERON TRUSTEE  
25,087 ACRES  
LEASED TO  
SONMAN SHAFT COAL CO.

CLEARFIELD BITUMINOUS COAL CORPORATION

J.M. CAMERON, TRUSTEE.  
272.886 ACRES NET  
LEASED TO  
SONMAN SHAFT COAL CO.

SONMAN SHAFT COAL CO.  
(P. RILEY)  
64,029 ACRES

LUCY P. SMITH et al

RATE OF WATER ACCUMULATION IN SHAFT  
IF PUMPS ARE STOPPED ABOUT OCT 12

PLAN 1 Leaving in Slope only such water as is pumped in Slope. Plugging 7th South Dip drill hole.  
NOTE: Drill hole (plugging) just below 7th South Dip at Slope. If plugged to prevent accumulated water from flowing down.  
PLAN 2 additional shafting off the gravity water in 3rd and 6th North of all holes - also 7th South Dip drill hole. This shafting in Slope 400' from shaft would flow to Shaft by Plan 1.

NOTE: If pumps are not stopped until Nov. or Dec. water accumulation will be more rapid, especially in the upper headings.

CLEARFIELD BITUMINOUS COAL CORPORATION  
176,169 ACRES  
LEASED TO  
SONMAN SHAFT COAL CO.

CLEARFIELD BITUMINOUS COAL CORPN.  
6,278 AS. LEASED TO  
SONMAN SHAFT COAL CO.

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CLEARFIELD BITUMINOUS COAL CORPORATION