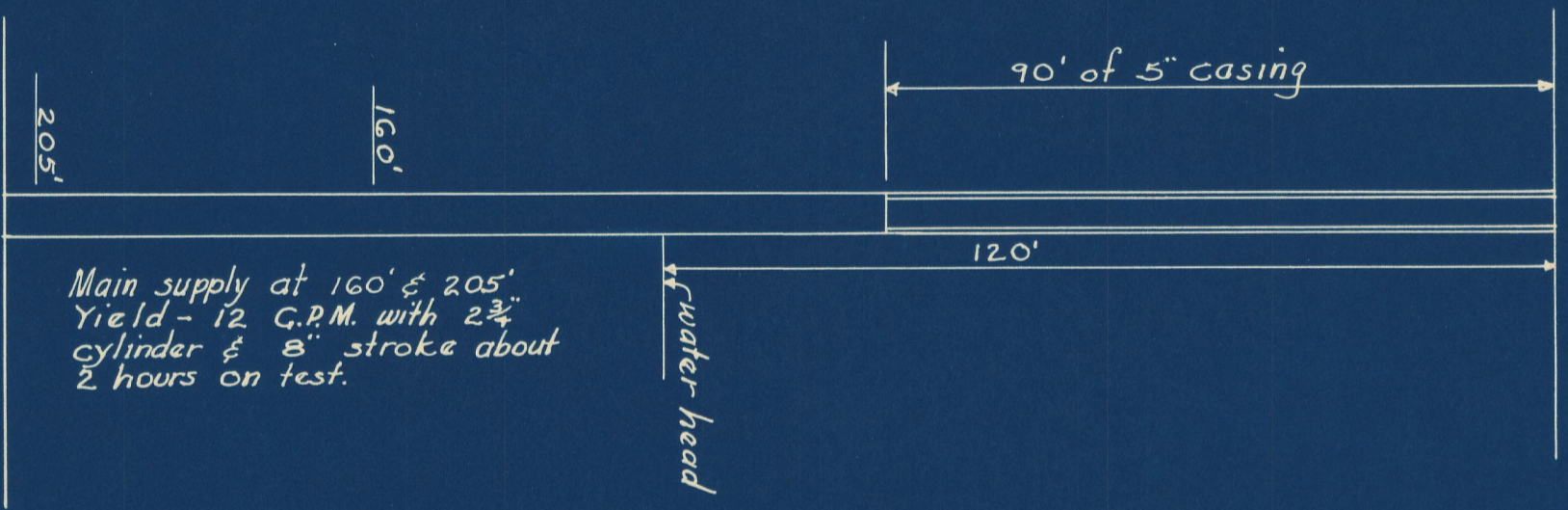


41398

CASING DATA



Main supply at 160' & 205'.
Yield - 12 G.P.M. with 2 3/4" cylinder & 8" stroke about 2 hours on test.

MAQUOKETA CAVES STATE PARK
VERTICAL SCALE - 1" = 25'

WELL NAME:

DRILLED BY: E. M. Kingsley, Maquoketa, Ia.
DATE DRILLED: Oct. 1, 1932 - Dec. 6, 1932
LOCATION IN COUNTY: Jackson County.

LOCATION IN PARK:

PUMP DATA

MAKE AND TYPE: Alamo.
R.P.M.:
STROKES P.M.:
CYLINDER: 2 3/4" J-449 Mc Donald
LENGTH OF STROKE: 6"
CYL. DEPTH: 160'-9"
CAPACITY:
PRESSURE RANGE:
DEEP PIPE: 162'-9" of 3" & 20'-6" of 2" suction.
WELL ROD: 162' #1 Airtite rod.

POWER DATA

TYPE: Gas engine
MAKE: KU Nova. 5" pulley.
R.P.M.:
H.P.: 3

CUTTING DATA

5'	very hard and flinty	no water
7'		
26'	hard, dark color lime rock.	" "
27'	clay and loose rock.	" "
33'	very hard blue lime rock.	" "
38'	softer, light color lime rock.	" "
42'	clay and loose rock.	" "
45'	softer yellow lime rock.	" "
55'	hard, flinty lime rock.	" "
65'	softer, light color lime rock.	" "
75'	harder, light color lime rock.	" "
83'	very hard flinty loose rock. some clay.	" "
86'	hard lime rock.	" "
90'	hard lime rock	" "
100'	hard lime rock. very little change.	" "
110'	light and dark rock mixed. seep of water	" "
120'	lighter color little softer lime rock.	" "
130'	no change	" "
140'	no change	" "
150'	softer lime rock. more water	" "
160'	no change	" "
170'	no change	" "
180'	little harder lime rock	" "
190'	about the same	" "
200'	lighter color, little softer. more water.	" "
209 1/2'		

Aug. 1937

GFB