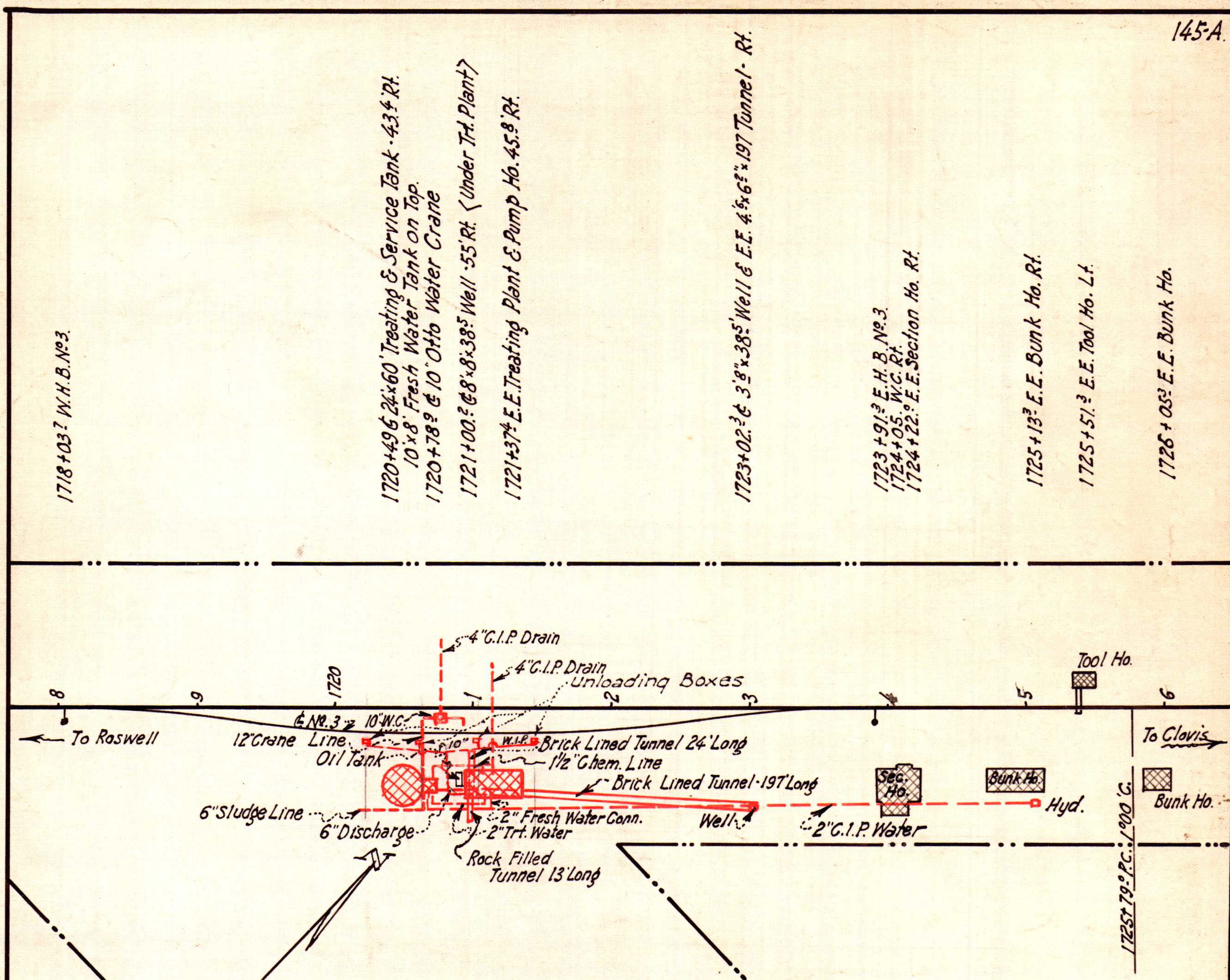

ELKINS, N.M.

WATER LAYOUT

Scale 1" = 100'

LOGS OF TEST WELLS NEAR ELKINS, NEW MEXICO

Drilled 1930, By J.M. Wright

WELL Nº 21

0	Sand
6	Chalk Rock
31	Hard Red Sand
34	Red Rock
38	Red Clay
85	

Note: Well Nº 21 is in 8'x8' Conc. Pit 37' Deep, under Pump House. 85' of 10" Casing Placed.

WELL Nº 23 - 1500' EAST OF Nº 14

0	Sand
5	Chalk Rock
8	Clay Sand
12	Sand & Sand Rocks
15	Red Sand & Sand Rocks
18	Clay Sand
24	Red Rock
48	Brown Clay Sand
50	Red Rock
51	

No Water

WELL Nº 25 - 425' NORTH OF Nº 23

0	Sand
4	Chalk Rock
12	Clay Sand
15	Soft Sand Rock
16	Clay Sand
19	Green Rock
20	Red Clay Sand
22	Red Clay
34	

No Water

WELL Nº 27 - 100' WEST OF Nº 26

0	Sand
5	Chalk Rock
7	Sand & Sand Rocks
14	Red Sand & Sand Rocks
19	Red Sand Rock
20	Clay Sand
23	Red Sand Rock
24	Clay Sand
27	Red Rock
32	Red Clay
33	

Water between 27 & 32 ft.
½ G.P.M.

WELL Nº 29 - 200' E. & 100' N. OF Nº 14

0	Sand
3	Chalk Rock
12	Sand & Sand Rocks
25	Red Rock
34	

Water between 25 & 31 ft.
½ G.P.M.

WELL Nº 31 - 125' SOUTH OF Nº 14

0	Sand
5	Chalk Rock
11	Clay Sand
13	Sand & Sand Rocks
16	Red Sand & Sand Rocks
25	Hard Sand Rock
26	Soft Sand Rock
32	Red Rock
37	Red Clay
38	Red Rock
39	

Water between 30 & 31 ft.
Water Level 24.5 ft.
7 G.P.M.
41' of 6" Pipe set in well
Perforated from 27 to 41 ft.

WELL Nº 33 - 40' WEST OF Nº 31

0	Sand
5	Chalk Rock
12	Sand & Sand Rocks
15	Red Sand & Sand Rocks
23	Soft Red Sand Rock
27	Clay Sand
28	Soft Brown Sand Rock
30	Clay Sand
31	Red Rock
33	Clay Sand
38	Red Rock
40	Bright Red Clay
42	

Water at 28 ft.
Water Level at 25.5 ft.
4 G.P.M.
44' of 8" Pipe set in well
Perforated between 27 & 33 ft.

WELL Nº 22 - 125' EAST OF Nº 21

0	Sand
3	Clay Sand
8	Chalk Rock
13	Sand & Sand Rocks
24	Soft Sand Rock
29	Red Clay Sand
31	Red Rock
40	

Water at 31 ft.
Water Level at 26'-11"
2 G.P.M.

WELL Nº 24 - 375' SOUTH OF Nº 23

0	Sand
5	Chalk Rock
8	Clay Sand
16	Sand & Sand Rocks
23	Green Chalk Rock
24	Red Rock
28	Red Clay Sand
31	Red Rock
33	

No Water

WELL Nº 26 - 100' S. & 200' W. OF Nº 14

0	Sand
4	Chalk Rock
10	Clay Sand
14	Soft Sand Rock
16	Sand & Sand Rocks
24	Soft Red Sand Rock
26	Clay Sand
30	Red Rock
37	

Water at 30 ft.
6 G.P.M.

WELL Nº 28 - 900' S.W. OF Nº 21

0	Sand
11	Chalk Rock
14	Clay Sand
16	Sand & Sand Rocks
23	Red Sand & Sand Rocks
29	Soft Sand Rock
32	Red Rock
39	

No Water

WELL Nº 30 - 10' S.E. OF S.E. COR OF STRIP

0	Sand
5	Chalk Rock
10	Clay Sand
13	Sand & Sand Rocks
17	Red Sand & Sand Rocks
26	Soft Red Sand Rock
27	Clay Sand
29	Red Rock
31	White Lime Rock
32	Bright Red Clay
37	

No Water

WELL Nº 32 - 40' EAST OF Nº 31

0	Sand
5	Chalk Rock
13	Sand & Sand Rocks
16	Red Sand & Sand Rocks
24	Soft Red Sand Rock
27	Clay Sand
31	Red Rock
38	

No Water

LOGS OF TEST WELLS AT ELKINS, NEW MEX.

Drilled, 1931 — J.W. Wright, Driller.

WATER ANALYSIS OF TEST WELLS NEAR ELKINS, NEW MEXICO

GRAINS PER U.S. GALLON

WELL NO.	5	6	14	18	19	20
LOCATION	MP 74+00 75' Left	MP74+2182 75' Left	M.P.74+475 1840' Left	MP 74+2944 1831' Right	MP 74+2552 1935' Right	MP 74+2257 1826' Right
DEPTH	34'-45'	34'-45'	31'	31'	30'	31'
ANALYSIS NO.	30955	30956	31034	31035	31036	31037
CALCIUM SULPHATE	5.4	7.5	6.6	7.6	14.0	25.0
MAGNESIUM SULPHATE	7.4	5.2	5.2	5.3	9.9	14.4
CALCIUM CARBONATE	5.1	7.1	6.7	4.9	5.0	4.4
MAGNESIUM CARBONATE	3.0	4.3	2.8	3.5	3.1	3.1
SOLUBLE INCRUSTANTS	20.9	24.1	21.3	21.3	32.0	46.9
SODIUM CHLORIDE	5.8	7.0	6.5	8.5	8.5	13.0
SODIUM SULPHATE	9.5	14.0	8.1	11.8	20.8	22.7
SODIUM CARBONATE	—	—	—	—	—	—
SOLUBLE SOLIDS	36.2	45.1	35.9	41.6	61.3	82.6
ALKALINITY	9.2	11.4	10.7	9.7	10.0	8.2
SUSPENDED MATTER	Trace	4.0	5.0	5.0	2.0	3.0