

AREA-CAPACITY

Elev.	Area in Acres.	Capacity Ag. Feet.
40	377.93	4912.10
35	294.00	3242.30
30	221.56	1953.40
25	151.98	1019.55
20	93.79	405.15
15	31.15	92.80
10	3.90	5.20

FIELD NOTES

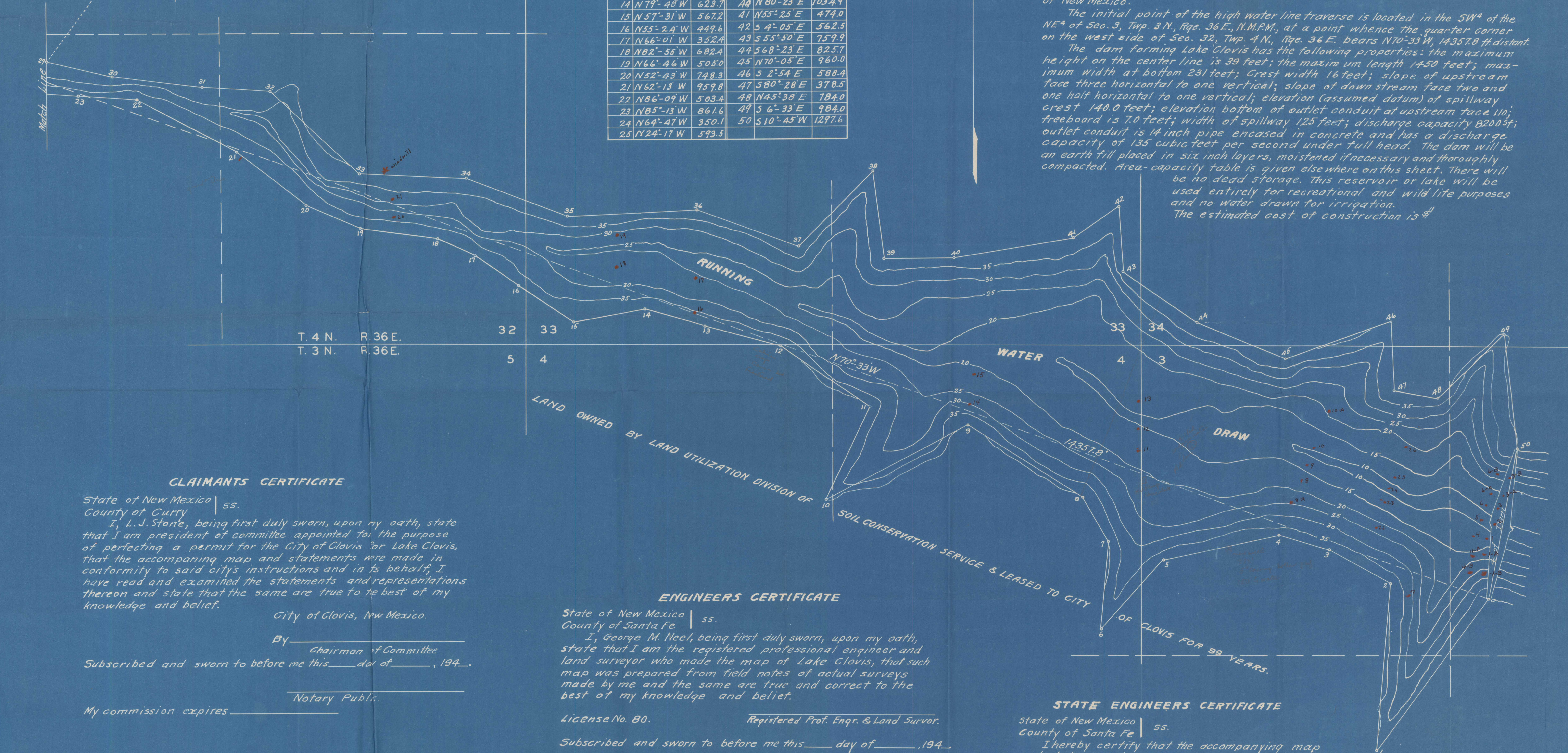
STA.	BEARING	DIST.	STA.	BEARING	DIST.
0	S 36°-05' W	1608.5	26	North	102.0
1	N 4°-30' E	1424.2	27	S 28°-14' E	694.3
2	N 61°-34' W	599.3	28	N 87°-27' E	815.4
3	N 74°-28' W	446.0	29	S 77°-05' E	579.0
4	S 77°-42' W	1009.9	30	S 83°-49' E	776.0
5	S 42°-10' W	795.8	31	S 85°-49' E	587.0
6	N 5°-01' E	748.4	32	S 47°-16' E	1037.9
7	N 31°-22' W	430.3	33	S 87°-16' E	928.7
8	N 58°-20' W	1167.0	34	S 69°-45' E	924.9
9	S 62°-15' W	1370.0	35	N 86°-35' E	1118.8
10	N 25°-27' E	871.4	36	S 70°-36' E	922.2
11	N 55°-58' W	928.5	37	N 44°-50' E	897.0
12	N 75°-36' W	670.0	38	S 7°-06' E	747.1
13	N 74°-32' W	530.9	39	N 89°-07' E	606.0
14	N 79°-48' W	623.7	40	N 80°-23' E	1034.9
15	N 57°-31' W	567.2	41	N 55°-25' E	474.0
16	N 55°-24' W	449.6	42	S 4°-05' E	562.5
17	N 66°-01' W	352.4	43	S 55°-50' E	759.9
18	N 82°-55' W	682.4	44	S 68°-23' E	825.7
19	N 66°-46' W	505.0	45	N 70°-05' E	960.0
20	N 52°-43' W	748.3	46	S 2°-54' E	588.4
21	N 62°-13' W	959.8	47	S 80°-28' E	378.5
22	N 86°-09' W	503.4	48	N 45°-38' E	784.0
23	N 85°-13' W	861.6	49	S 6°-33' E	984.0
24	N 64°-47' W	350.1	50	S 10°-45' W	1297.6
25	N 24°-17' W	593.5			

LAKE GLOVIS
 CITY OF CLOVIS NEW MEXICO
 L.J. STONE, CHAIRMAN OF COMM.
 APPLICANT
 CURRY COUNTY, NEW MEX.
 SCALE 1"=400'

The undersigned City of Clovis, Applicant, by L.J. Stone, Chairman of a special committee appointed for the purpose of perfecting this permit, whose post office address is Clovis, County of Curry, State of New Mexico, has caused to be located by a qualified registered professional engineer and land surveyor, this reservoir to be known as Lake Clovis as herein after described and indicated, hereby makes these several statements relative thereto, and offers this map and statements for acceptance and filing in compliance with the laws of the State of New Mexico.

The initial point of the high water line traverse is located in the SW⁴ of the NE⁴ of Sec. 3, Twp. 3 N., Rge. 36 E., N.M.P.M., at a point whence the quarter corner on the west side of Sec. 32, Twp. 4 N., Rge. 36 E. bears N70°-33' W, 14357.8 ft distant.

The dam forming Lake Clovis has the following properties: the maximum height on the center line is 39 feet; the maximum length 1450 feet; maximum width at bottom 231 feet; crest width 16 feet; slope of upstream face three horizontal to one vertical; slope of downstream face two and one half horizontal to one vertical; elevation (assumed datum) of spillway crest 140.0 feet; elevation bottom of outlet conduit at upstream face 110; freeboard is 7.0 feet; width of spillway 125 feet; discharge capacity 8200 cfs; outlet conduit is 14 inch pipe encased in concrete and has a discharge capacity of 135 cubic feet per second under full head. The dam will be an earth fill placed in six inch layers, moistened if necessary and thoroughly compacted. Area-capacity table is given elsewhere on this sheet. There will be no dead storage. This reservoir or lake will be used entirely for recreational and wild life purposes and no water drawn for irrigation. The estimated cost of construction is \$41



CLAIMANTS CERTIFICATE

State of New Mexico ss.
 County of Curry

I, L.J. Stone, being first duly sworn, upon my oath, state that I am president of committee appointed for the purpose of perfecting a permit for the City of Clovis for Lake Clovis, that the accompanying map and statements were made in conformity to said city's instructions and in its behalf, I have read and examined the statements and representations thereon and state that the same are true to the best of my knowledge and belief.

City of Clovis, New Mexico.

By _____
 Chairman of Committee

Subscribed and sworn to before me this _____ day of _____, 194__.

Notary Public.

My commission expires _____

ENGINEERS CERTIFICATE

State of New Mexico ss.
 County of Santa Fe

I, George M. Neel, being first duly sworn, upon my oath, state that I am the registered professional engineer and land surveyor who made the map of Lake Clovis, that such map was prepared from field notes of actual surveys made by me and the same are true and correct to the best of my knowledge and belief.

License No. 80.

Registered Prof. Engr. & Land Surveyor.

Subscribed and sworn to before me this _____ day of _____, 194__.

Notary Public.

My commission expires _____

STATE ENGINEERS CERTIFICATE

State of New Mexico ss.
 County of Santa Fe

I hereby certify that the accompanying map and statements have been examined by me and approved as to form and content, and were accepted for filing on the _____ day of _____, 194__.

State Engineer.

• Samples