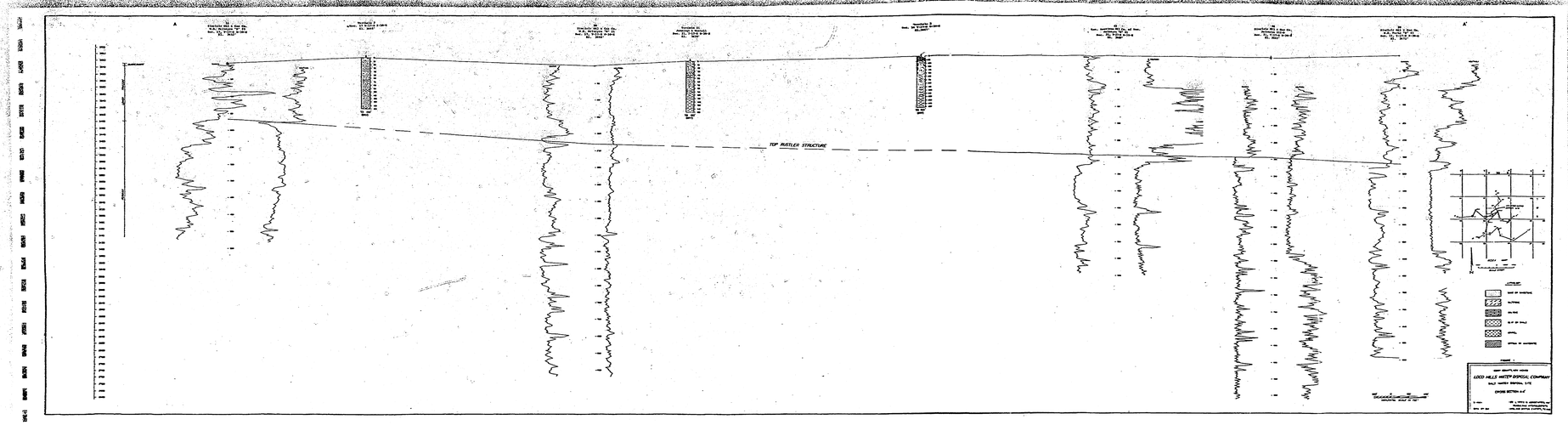
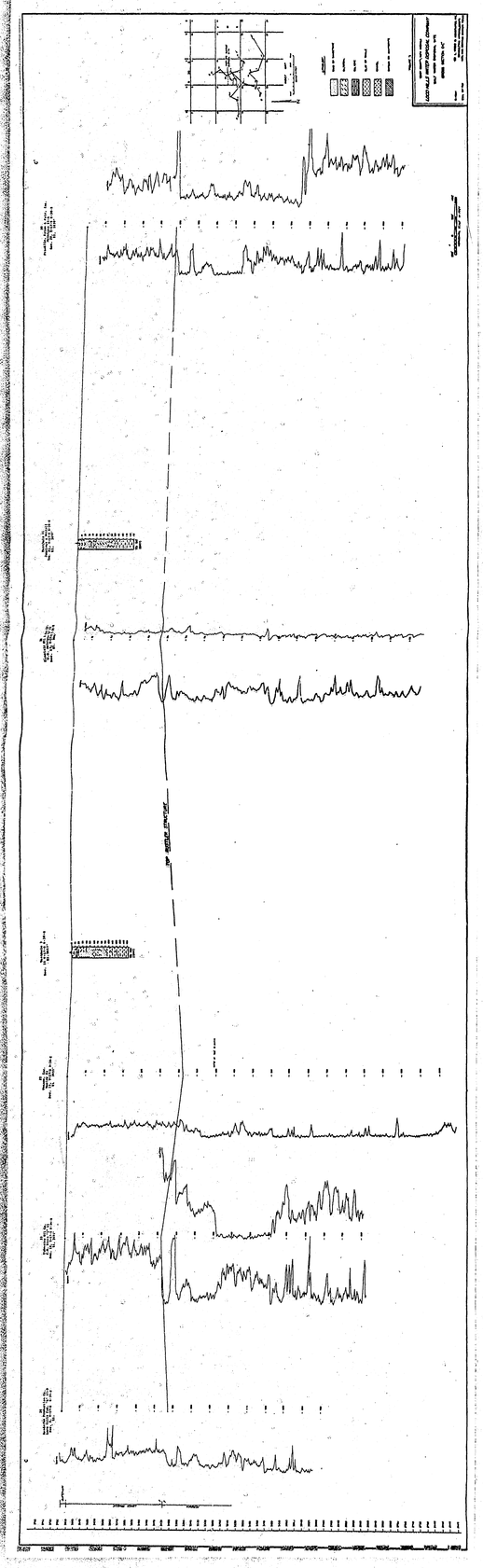
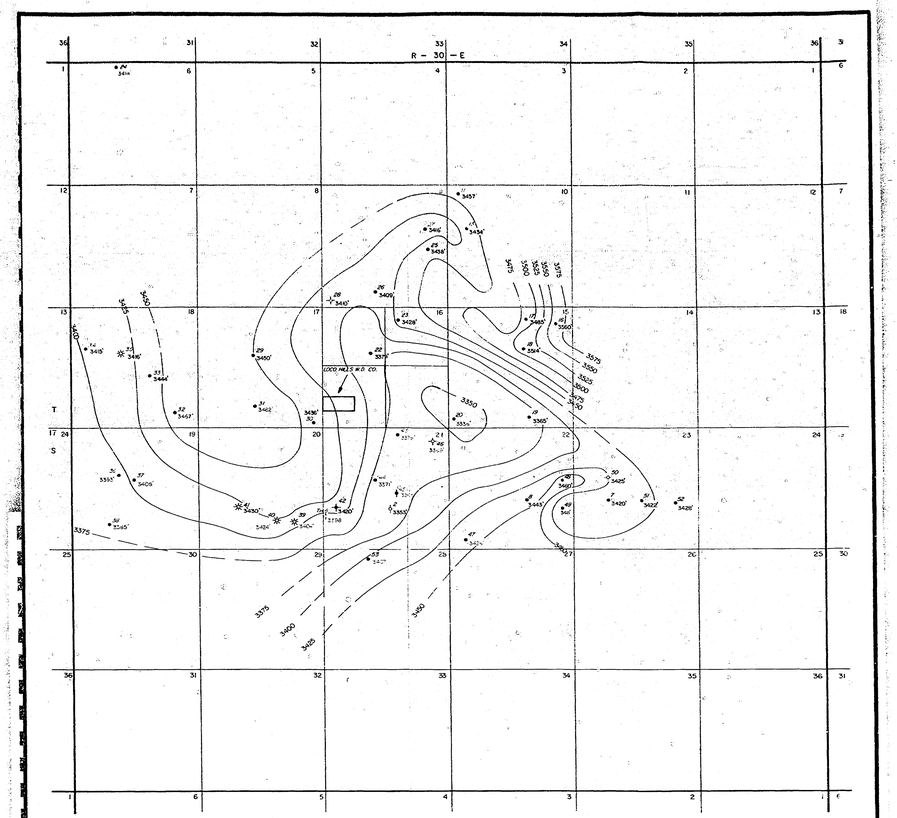
Case No
7329

Large Exhibits


TOP RISER STRUCTURE
LEGEND
LOCO HILLS WATER DISTRICT COMPANY
CROSS SECTION A-A'

TOP BUSTLER STRUCTURE
LOCO HILLS WATER DISPOSAL COMPANY
SALT WATER DISPOSAL WELL
CROSS SECTION A-A'




R - 30 - E
T
17 24
S
LOCO HILLS W.D. CO.
3375
3400
3425
3450
3500
3525
3550
3575
3600
3625
3650
3675
3700
3725
3750
3775
3800
3825
3850
3875
3900
3925
3950
3975
4000
4025
4050
4075
4100
4125
4150
4175
4200
4225
4250
4275
4300
4325
4350
4375
4400
4425
4450
4475

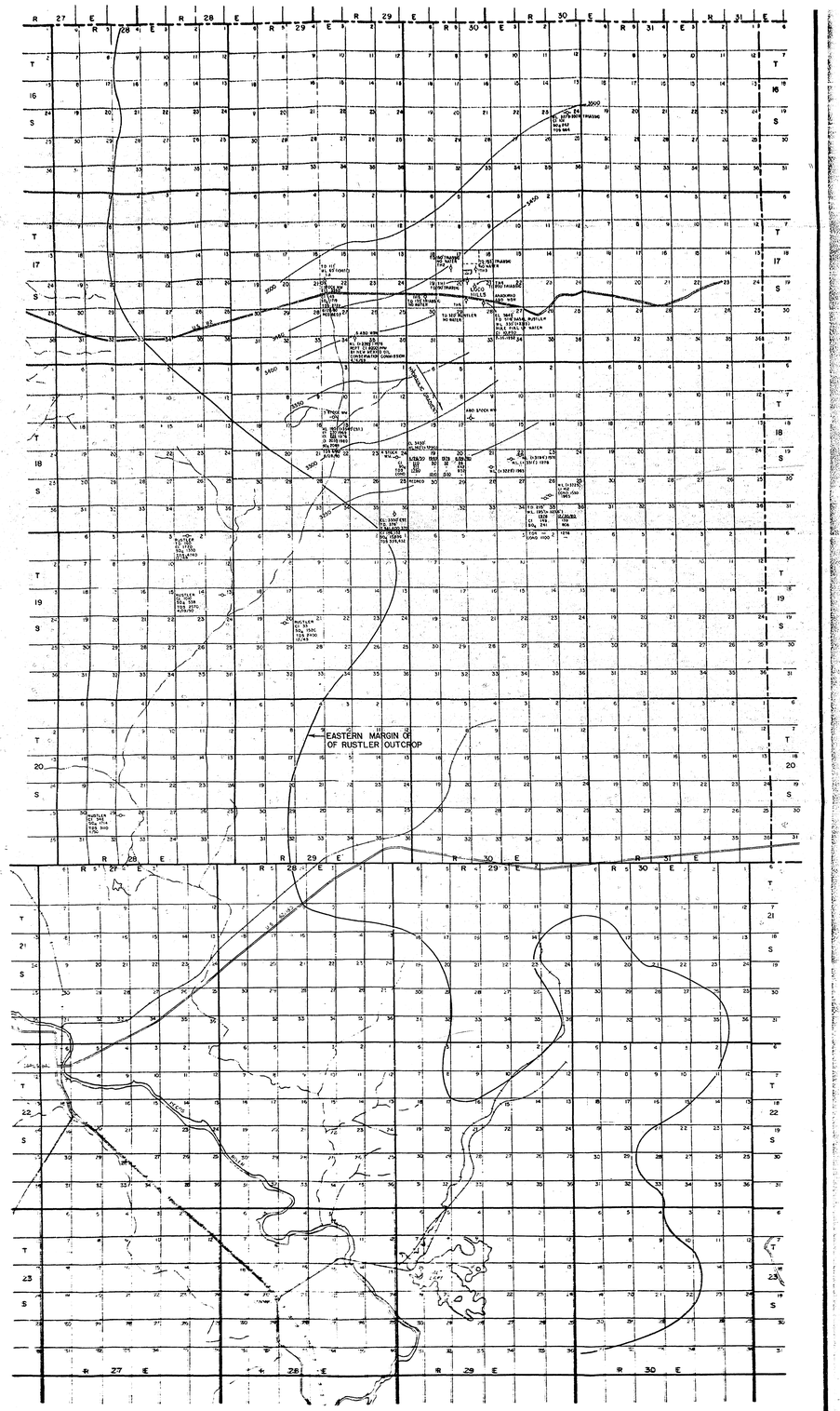


FIGURE 5

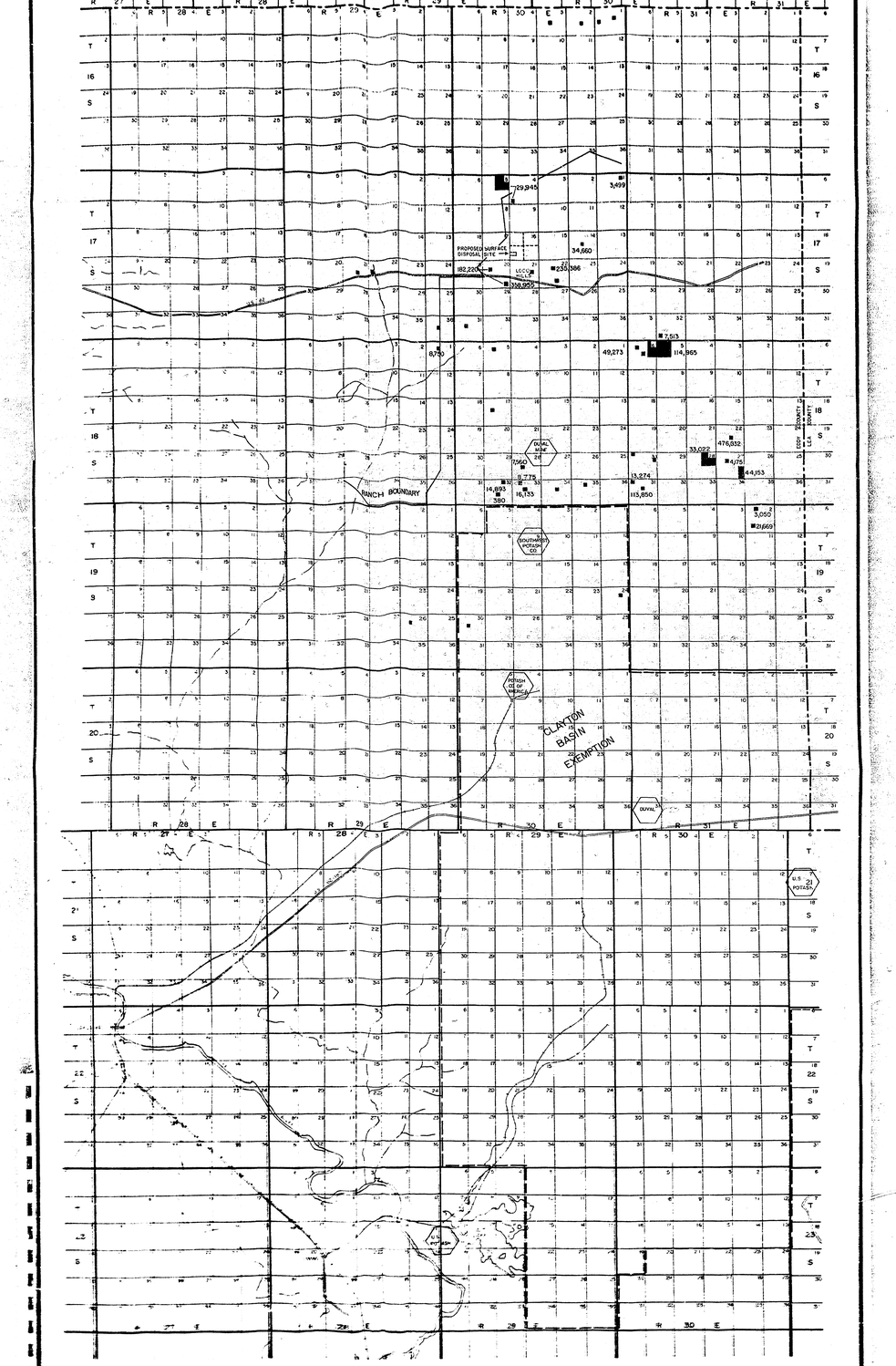
EDDY COUNTY, NEW MEXICO

LOCO HILLS WATER DISPOSAL COMPANY

SALT WATER DISPOSAL SITE

BASIC DATA MAP

ED L. KEES & ASSOCIATES, INC.
CONSULTING PETROLEUM GEOLOGISTS
MIDLAND, ODESSA, CHRISTOVAL, TEXAS



LEGEND

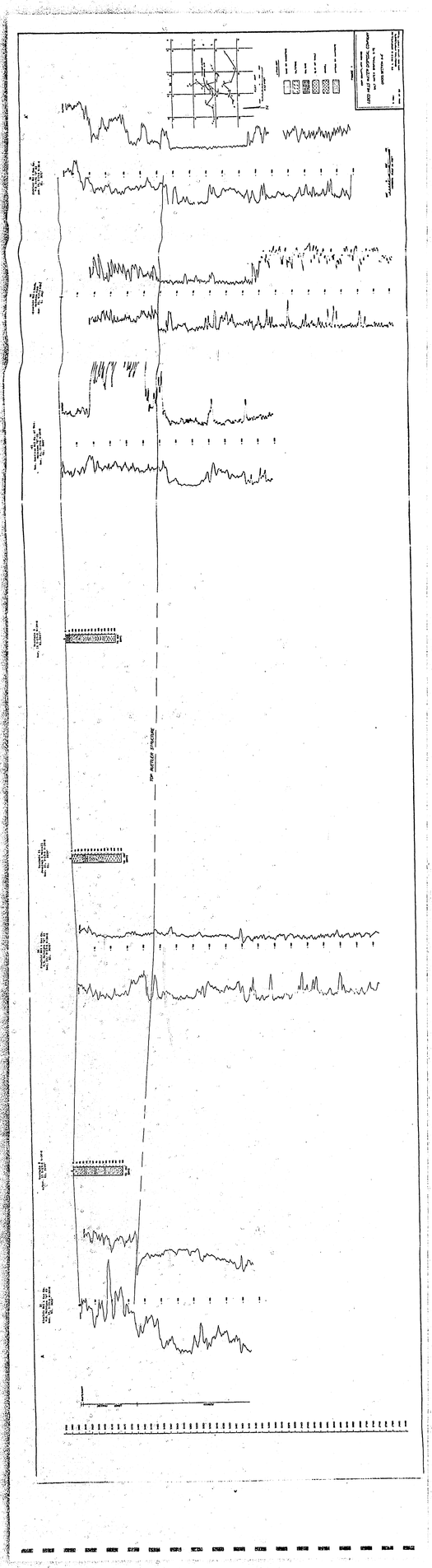
- LOCATION OF POTASH EXPLORATORY
- APPROXIMATE LOCATION OF PERMITTED SURFACE PITS
- BOREHOLE OF COAL EXPLORATION
- NUMBER OF SPACE THROUGH WELL

FIGURE 5

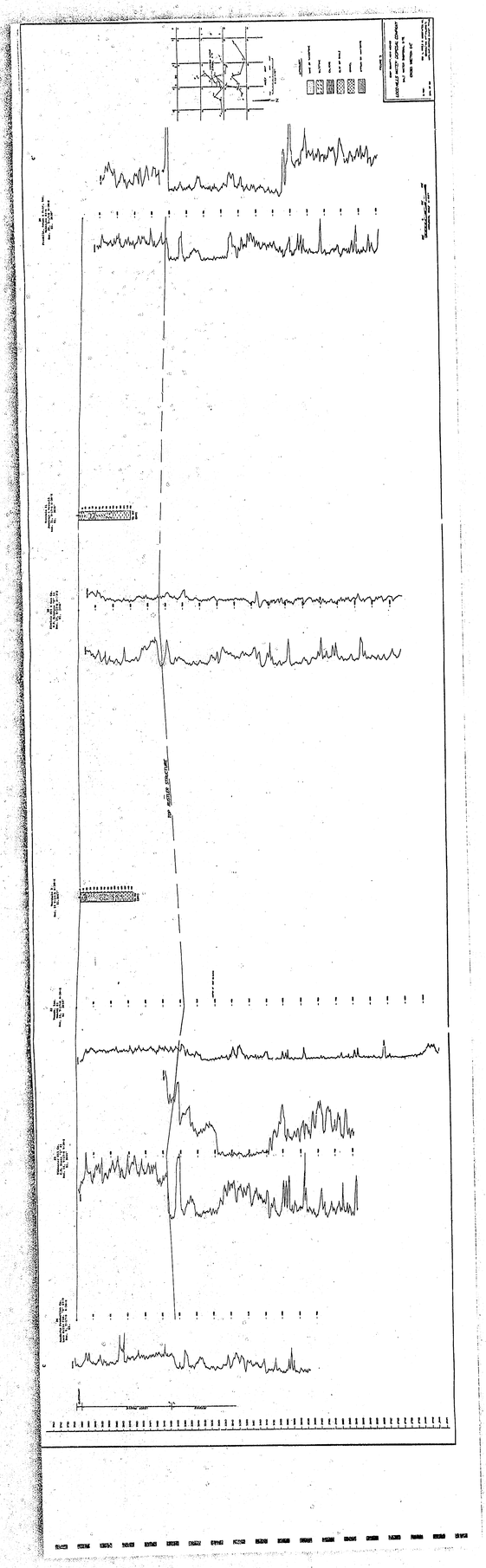
LOCO HILLS WATER DISPOSAL COMPANY

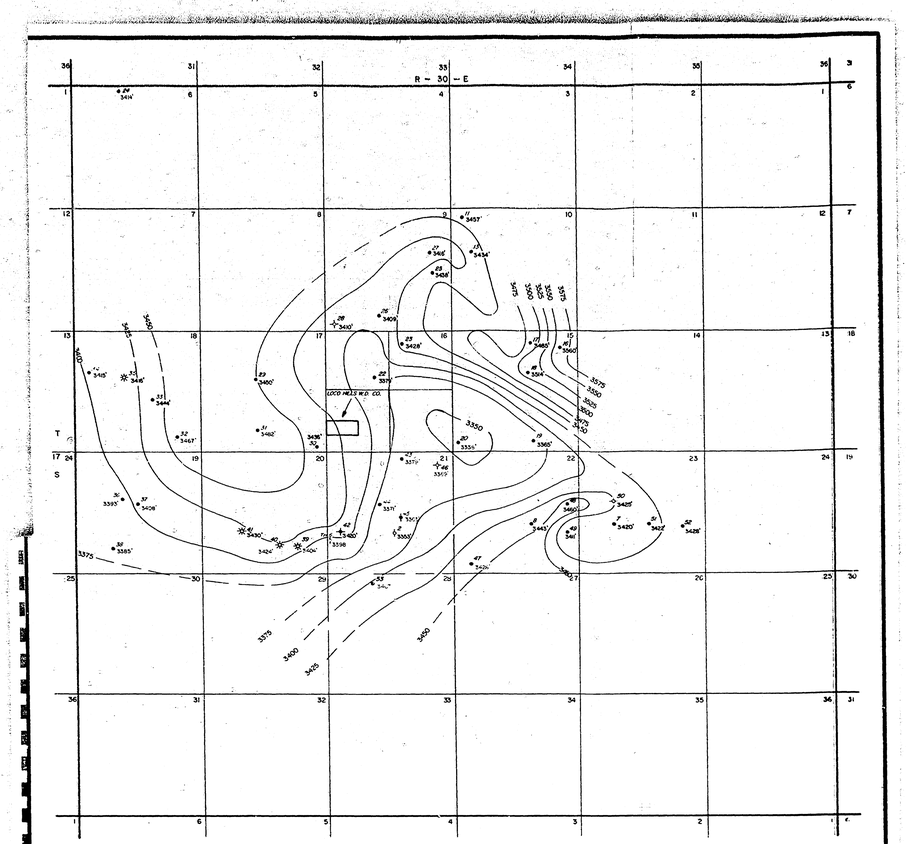
SALT WATER DISPOSAL SITE
APPROXIMATE LOCATION OF
PERMITTED SURFACE PITS
AND POTASH MINES

U.S.G.S. TOPOGRAPHIC
ROY VINCENT DEPT



TOP BUTLER STRATUM




R – 30 – E
T
17 S
LOCO HILLS W.D. CO.
3350
3375
3400
3425
3450
3475
3500
3525
3550
3575
3600
3625
3650
3675
3700
3725
3750
3775
3800
3825
3850
3875
3900
3925
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4150
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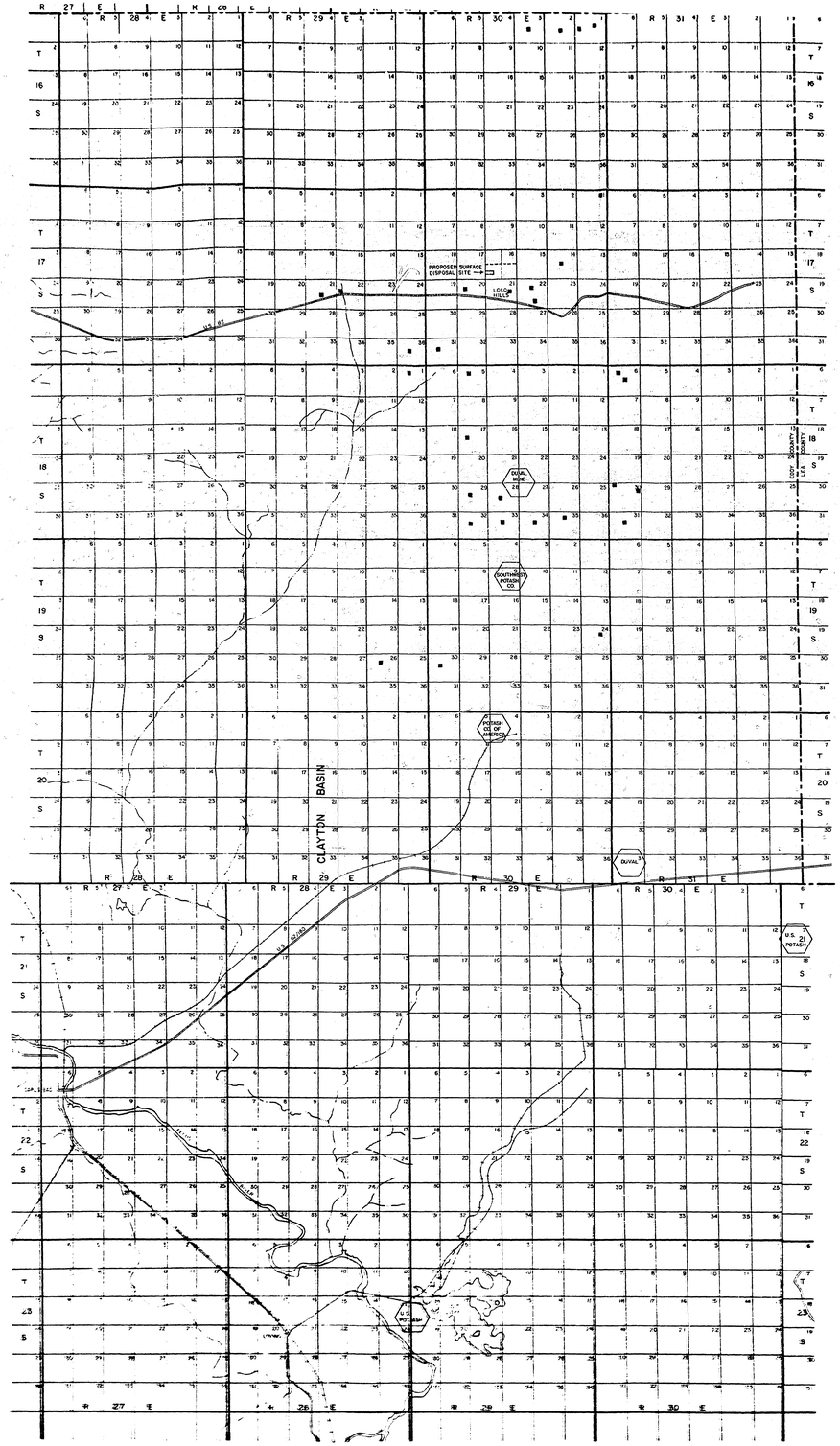
4225
4250
4275
4300
4325



LEGEND

LOCATION OF POTASH EXPLORATIONS

APPROXIMATE LOCATION OF PERMITTED SURFACE SALINE WATER DISPOSAL SITES

FIGURE 6

EDDY COUNTY, NEW MEXICO

LOCO HILLS WATER DISPOSAL COMPANY

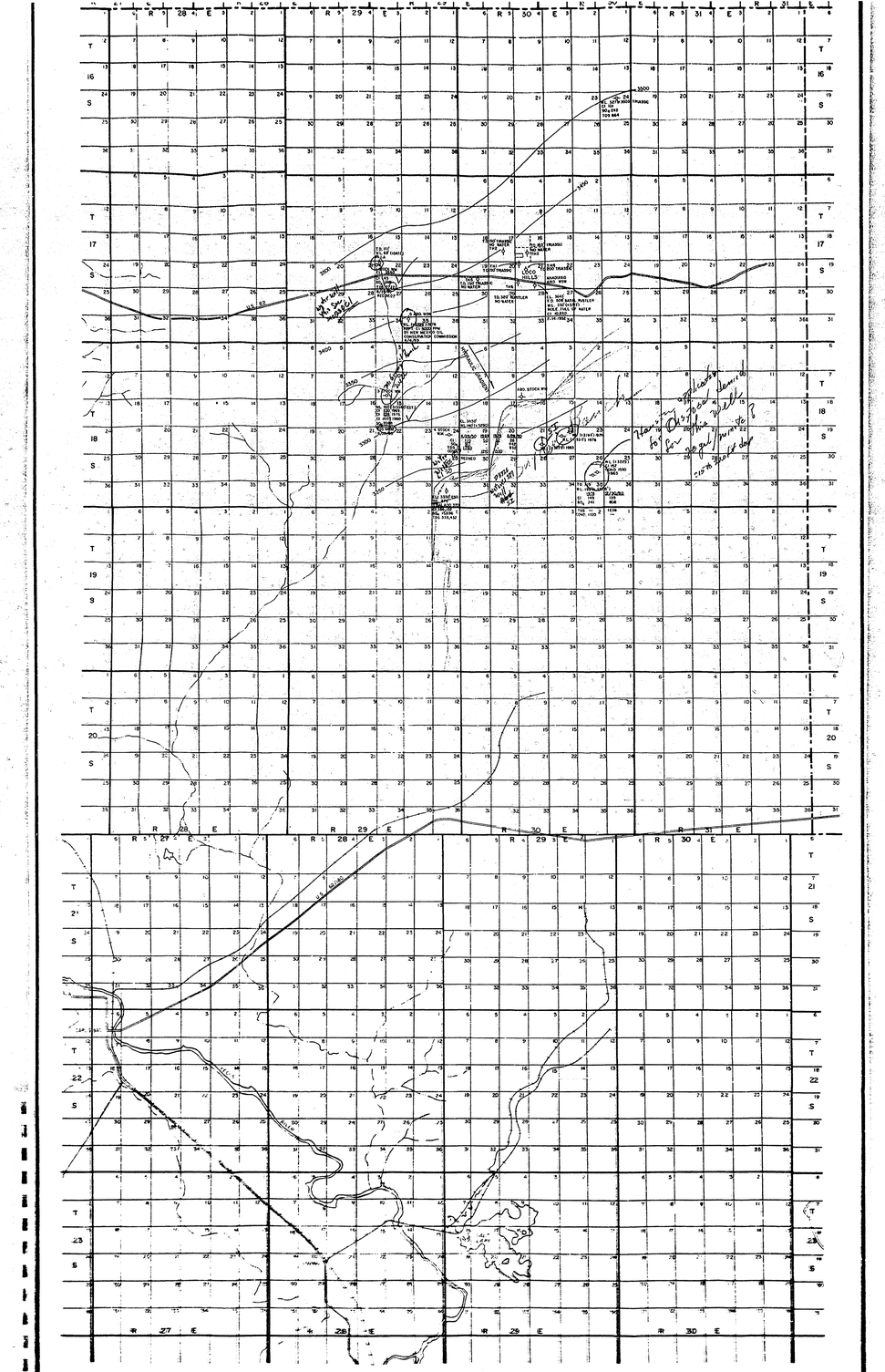
SALT WATER DISPOSAL SITE

APPROXIMATE LOCATION OF PERMITTED SURFACE SALT WATER DISPOSAL SITES AND POTASH MINES

T-19S

ENGINEERING-SCIENCE, INC.
ENVIRONMENTAL IMPACT ASSESSMENTS
ARCADIA, CALIFORNIA AUSTIN, TEXAS

DATE 5-7-79


R 28 E
R 29 E
R 30 E
R 31 E
R 27 E
R 28 E
R 29 E
R 30 E
T 16 S
T 17 S
T 18 S
T 19 S
T 20 S
T 21 S
T 22 S
T 23 S
LOCO HILLS WATER DISPOSAL COMPANY
SALT WATER DISPOSAL SITE
BASIC DATA MAP
EDDY COUNTY, NEW MEXICO
SCALE IN FEET
FIGURE 1

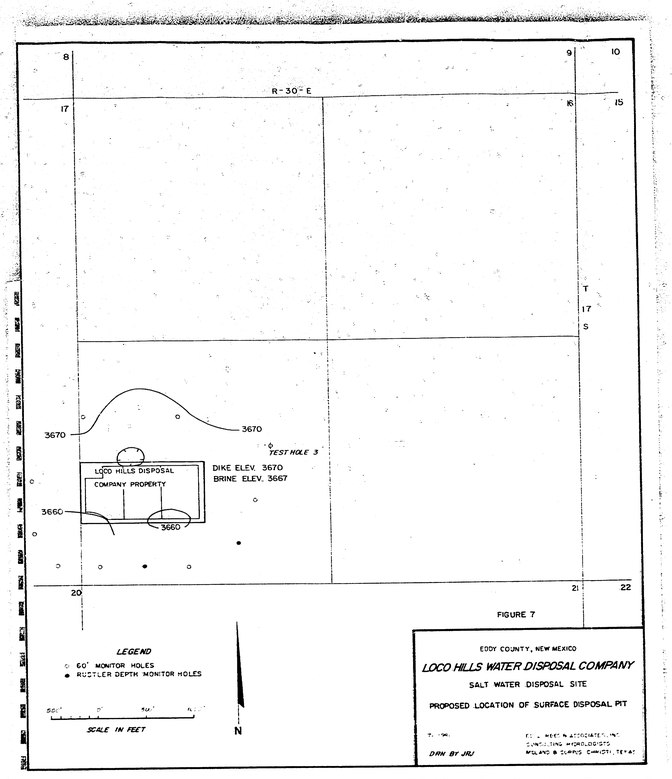
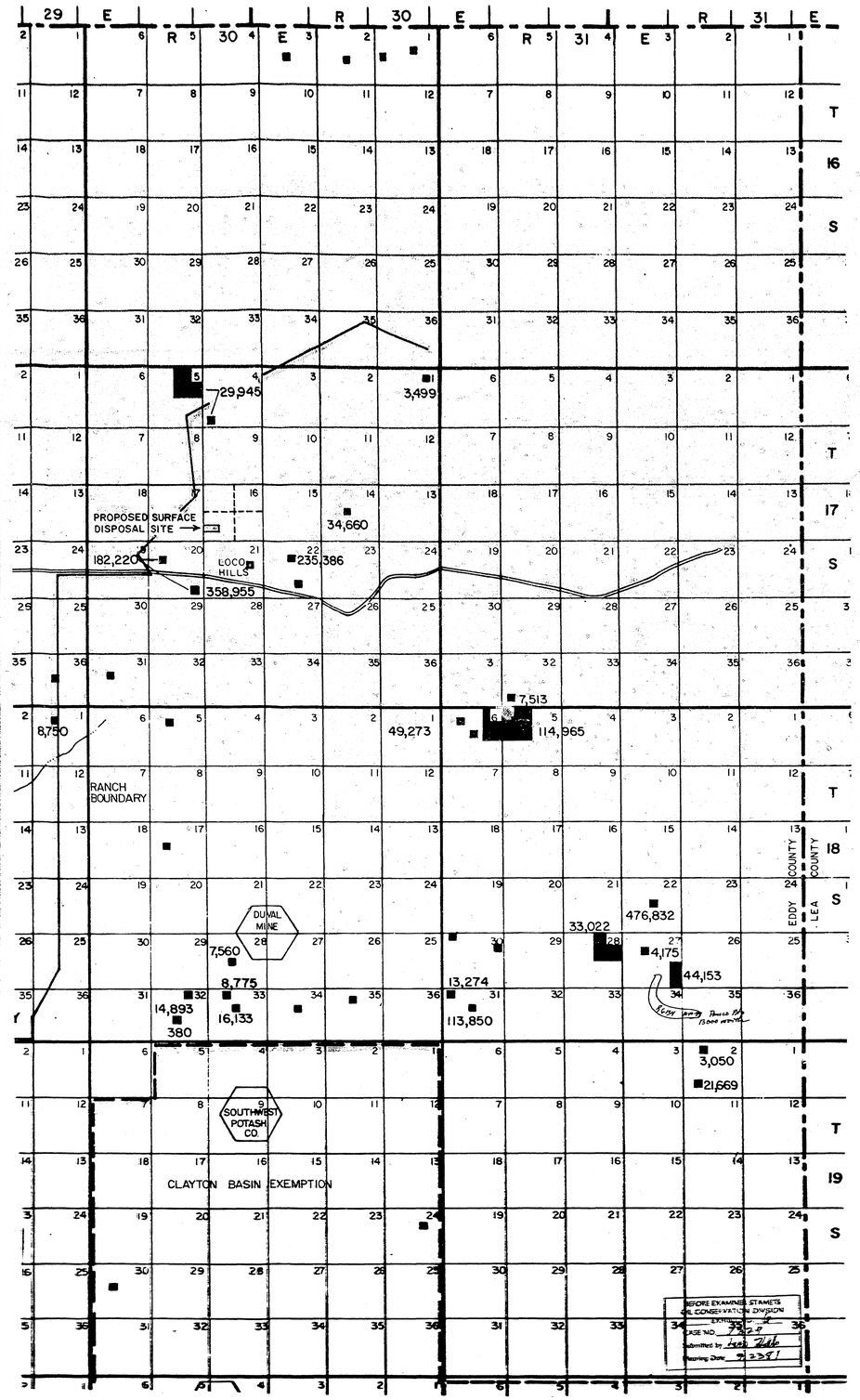
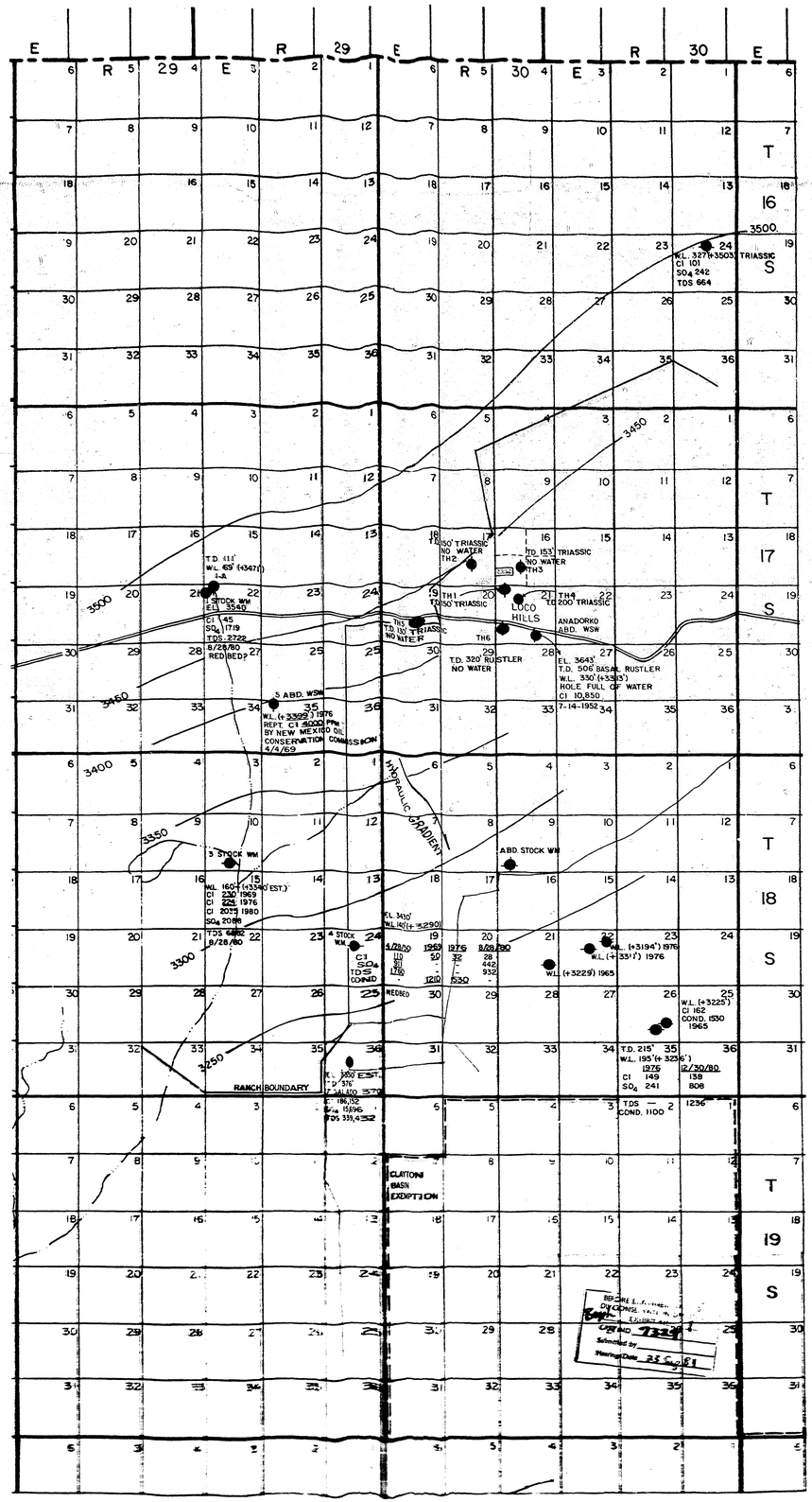
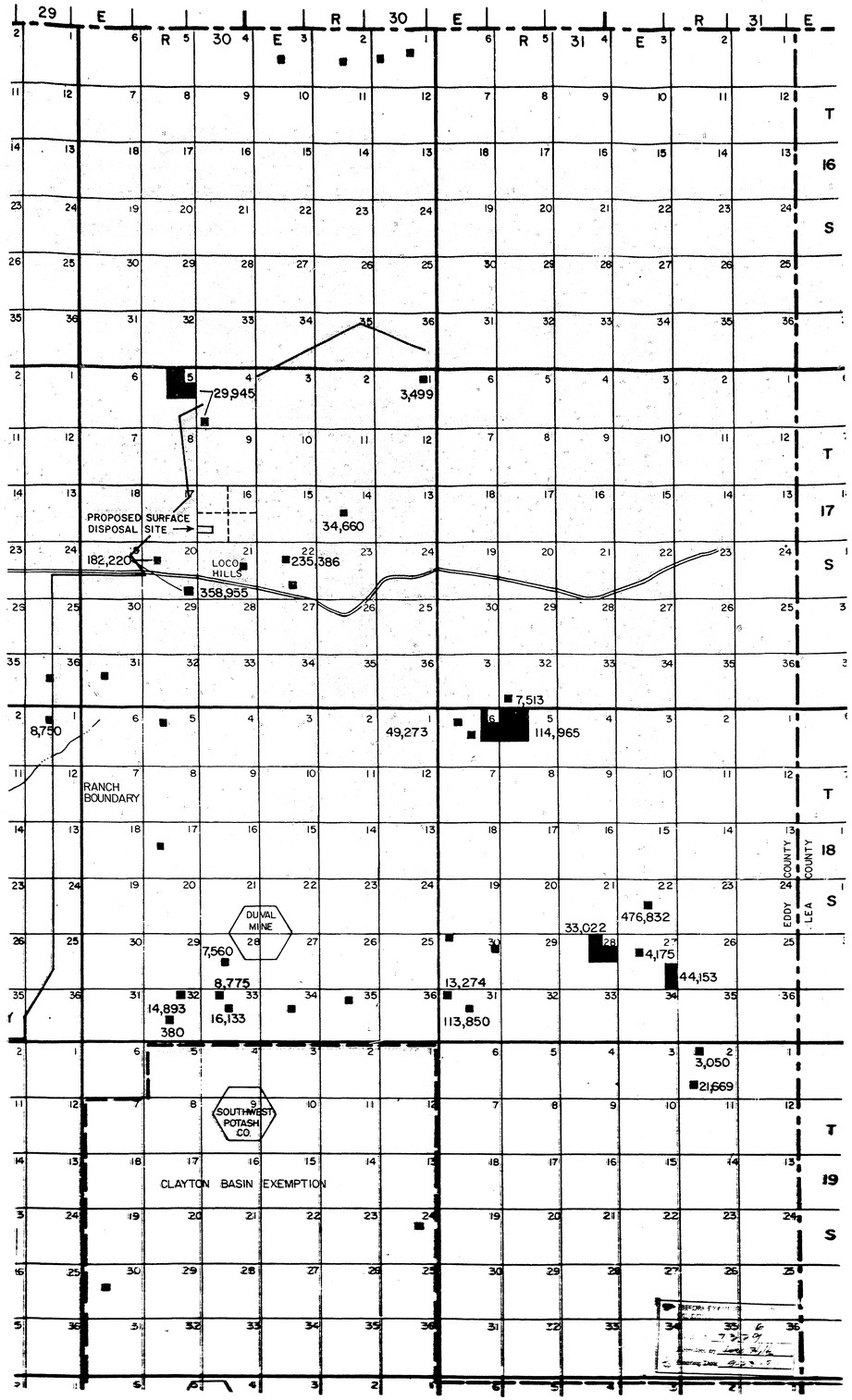
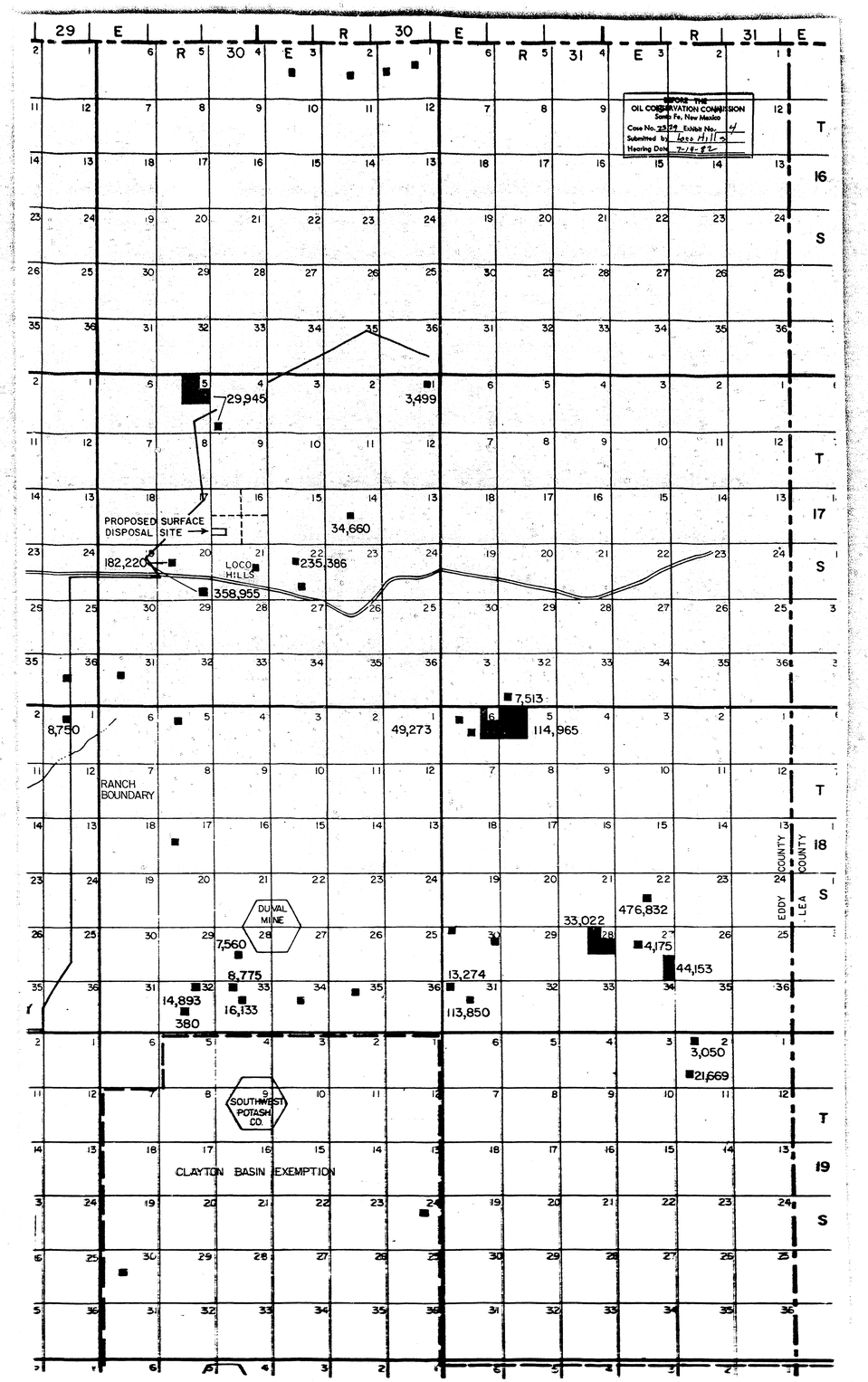

8
9
10
R-30-E
17
16
15
T
17
S
3670
3670
3670
TEST HOLE 3
LOCO HILLS DISPOSAL
COMPANY PROPERTY
DIKE ELEV. 3670
BRINE ELEV. 3667
3660
3660
20
21
22
LEGEND
60' MONITOR HOLES
RUSTLER DEPTH MONITOR HOLES
SCALE IN FEET
N
EDDY COUNTY, NEW MEXICO
LOCO HILLS WATER DISPOSAL COMPANY
SALT WATER DISPOSAL SITE
PROPOSED LOCATION OF SURFACE DISPOSAL PIT
DRN. BY JRJ
CONSULTING HYDROLOGISTS
MIDLAND & CORPUS CHRISTI, TEXAS

FIGURE 7


29 E
R 30 E
R 31 E
T 16 S
T 17 S
T 18 S
T 19 S
29,945
3,499
PROPOSED SURFACE DISPOSAL SITE
34,660
182,220
LOCO HILLS
235,386
358,955
7,513
8,750
49,273
114,965
RANCH BOUNDARY
DUVAL MINE
33,022
476,832
7,560
8,775
4,175
44,153
13,274
14,893
380
16,133
113,850
3,050
21,669
SOUTHWEST POTASH CO.
CLAYTON BASIN EXEMPTION
EDDY COUNTY
LEA COUNTY
BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
CASE NO. 7329
Submitted by Hobbs
Hearing Date 9-23-81


R 29 E
R 30 E
T 16 S
T 17 S
T 18 S
T 19 S
3500
3450
3400
3350
3300
3250
HYDRAULIC GRADIENT
RANCH BOUNDARY
CLAYTON BASIN EXEMPTION
T.D. 413'
W.L. 69' (+3471')
L-A
STOCK WM
EL. 3540
CL 145
SO4 1719
TDS 2722
8/28/80
REDBED?
5 ABD. WSW
W.L. (+3399') 1976
REPT. CL 4000 PPM
BY NEW MEXICO OIL
CONSERVATION COMMISSION
4/4/69
3 STOCK WM
W.L. 160' (+3340' EST.)
CL 230 1969
CL 224 1976
CL 2075 1980
SO4 2088
TDS 6882
8/28/80
4 STOCK WM
CL
SO4
TDS
COND.
8/28/80 1969 1976 8/28/80
110 50 28
81 - 442
1760 1210 930 932
REDBED
T.D. 1350' EST.
T.D. 376'
EL. 3410'
CL 186,152
SO4 15,845
TDS 339,432
EL. 3430'
W.L. 140' (+ ≈3290')
TH1
T.D. 150' TRIASSIC
TH2
T.D. 150' TRIASSIC
NO WATER
TH3
T.D. 153' TRIASSIC
NO WATER
TH4
T.D. 200' TRIASSIC
TH5
T.D. 197' TRIASSIC
NO WATER
TH6
LUCO HILLS
ANADARKO ABD. WSW
T.D. 320' RUSTLER
NO WATER
EL. 3643'
T.D. 506' BASAL RUSTLER
W.L. 330' (+3313')
HOLE FULL OF WATER
CL 10,850
7-14-1952
W.L. (+3503') TRIASSIC
CL 101
SO4 242
TDS 664
ABD. STOCK WM
W.L. (+3194') 1976
W.L. (+3317') 1976
W.L. (+3229') 1965
W.L. (+3225')
CL 162
COND. 1530
1965
T.D. 215'
W.L. 195' (+3256')
1976 12/30/80
CL 149 138
SO4 241 808
TDS —
COND. 1100 1236
REPORT L. [illegible]
Dry Canyon
Eagle [illegible]
Submitted by
Hearing Date 25 Sep 81


29 E
R 30 E
R 31 E
T 16 S
T 17 S
T 18 S
T 19 S
EDDY COUNTY
LEA COUNTY
29,945
3,499
34,660
PROPOSED SURFACE DISPOSAL SITE
182,220
LOCO HILLS
235,386
358,955
7,513
114,965
8,750
49,273
RANCH BOUNDARY
DUVAL MINE
7,560
8,775
33,022
476,832
4,175
44,153
13,274
14,893
380
16,133
113,850
3,050
21,669
SOUTHWEST POTASH CO.
CLAYTON BASIN EXEMPTION


29 E
30 E
31 E
R
T
16 S
17 S
18 S
19 S
BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 7329 Exhibit No. 4
Submitted by Loco Hills
Hearing Date 7-14-82
29,945
3,499
34,660
PROPOSED SURFACE
DISPOSAL SITE
182,220
LOCO
HILLS
235,386
358,955
7,513
8,750
49,273
114,965
RANCH
BOUNDARY
DUVAL
MINE
33,022
476,832
7,560
8,775
4,175
44,153
13,274
14,893
380
16,133
113,850
3,050
21,669
SOUTHWEST
POTASH
CO.
CLAYTON BASIN EXEMPTION
EDDY COUNTY
LEA COUNTY

TOP PASTLER STRUCTURE

TOP MOTTLED STRUCTURE

LEGEND

LOCATION OF POTASH PROSPECTORS
APPROXIMATE LOCATION OF MINERALIZED SURFACE
MINING BY IDEAL OPERATIONS

SCALE IN FEET

FIGURE 4

EDDY COUNTY, NEW MEXICO

LOCO HILLS WATER DISPOSAL COMPANY

SALT WATER DISPOSAL SITE

APPROXIMATE LOCATION OF
PERMITTED SURFACE PITS
AND POTASH MINES

3-1-85

ED. T. REED & ASSOCIATES, INC.
CONSULTING HYDROLOGISTS
MIDLAND, CORPUS CHRISTI, TEXAS

DRWN BY DP

8
9
10
R-30-E
17
16
15
T
17
S
3670
3670
TEST HOLE 3
Pits El. 3670
Brine El. 8447
LOCO HILLS DISPOSAL
COMPANY PROPERTY
3660
3660
20
21
22
LEGEND
60' MONITOR HOLES
RUSTLER DEPTH MONITOR HOLES
500'
0'
500'
1000'
SCALE IN FEET
N
EDDY COUNTY, NEW MEXICO
LOCO HILLS WATER DISPOSAL COMPANY
SALT WATER DISPOSAL SITE
PROPOSED LOCATION OF SURFACE DISPOSAL PIT
7, 1981
DRN. BY JRJ
ED L. MECK & ASSOCIATES, INC.
CONSULTING HYDROLOGISTS
MIDLAND & CORPUS CHRISTI, TEXAS

FIGURE 7

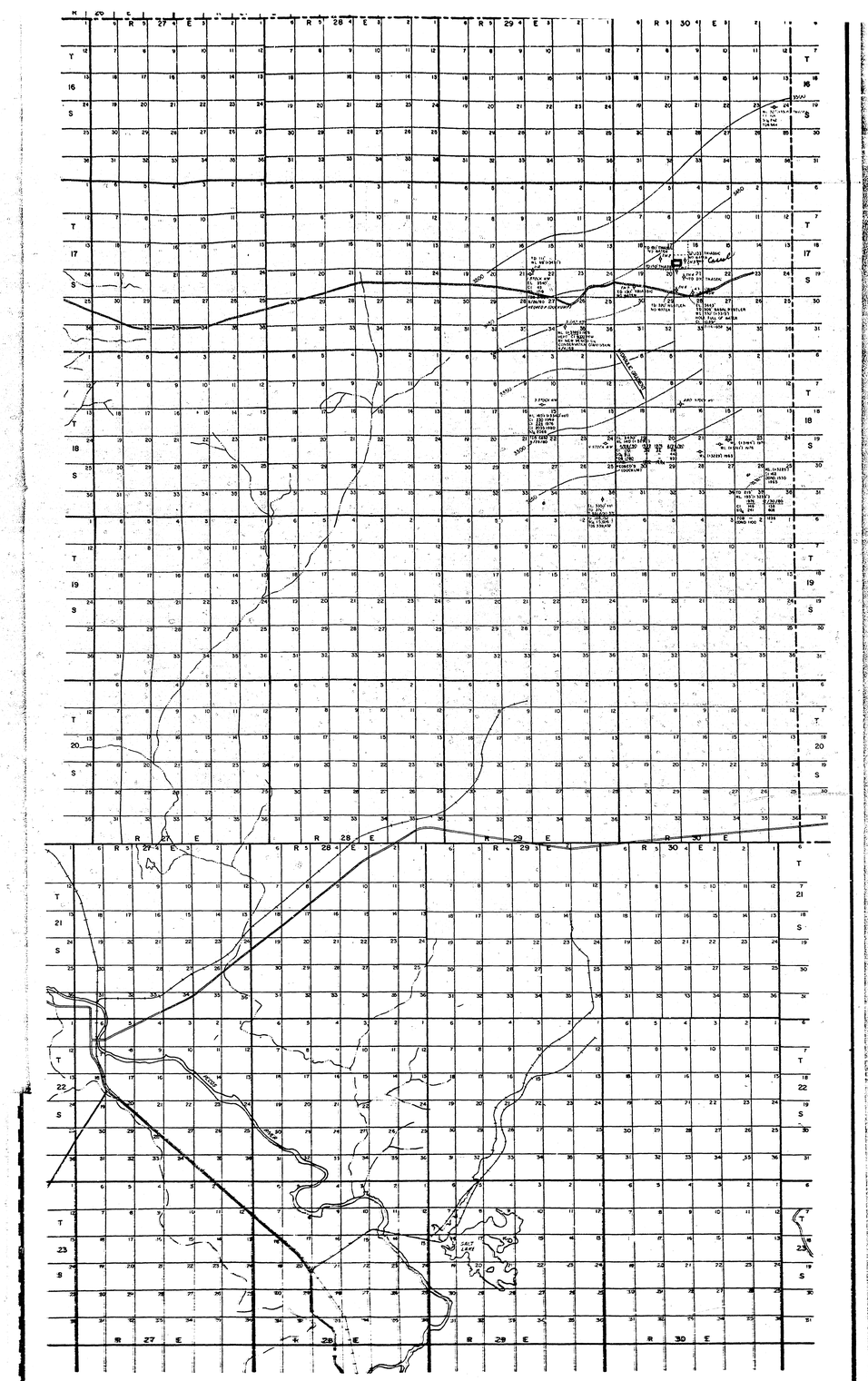


FIGURE 5

EDDY COUNTY, NEW MEXICO

LOCO HILLS WATER DISPOSAL COMPANY

SALT WATER DISPOSAL SITE

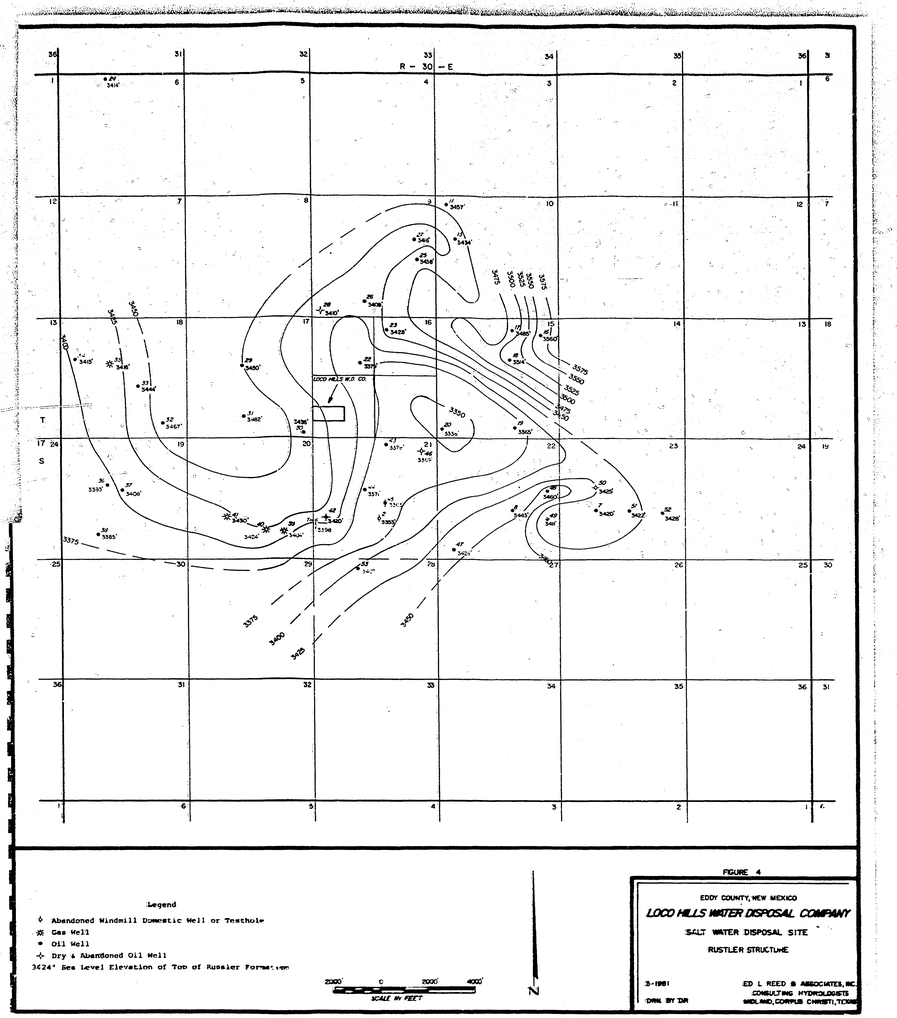
BASIC DATA MAP

SCALE IN FEET

3-1981

DRN. BY JH

ED L. REED & ASSOCIATES, INC.
CONSULTING PETROLEUM GEOLOGISTS
MIDLAND, CAPROCK CHRIST., TEXAS



Legend

- Abandoned Windmill Domestic Well or Testhole
- Gas Well
- Oil Well
- Dry & Abandoned Oil Well

3424' Sea Level Elevation of Top of Russler Formation

2000' 0 2000' 4000'

SCALE IN FEET

N

FIGURE 4

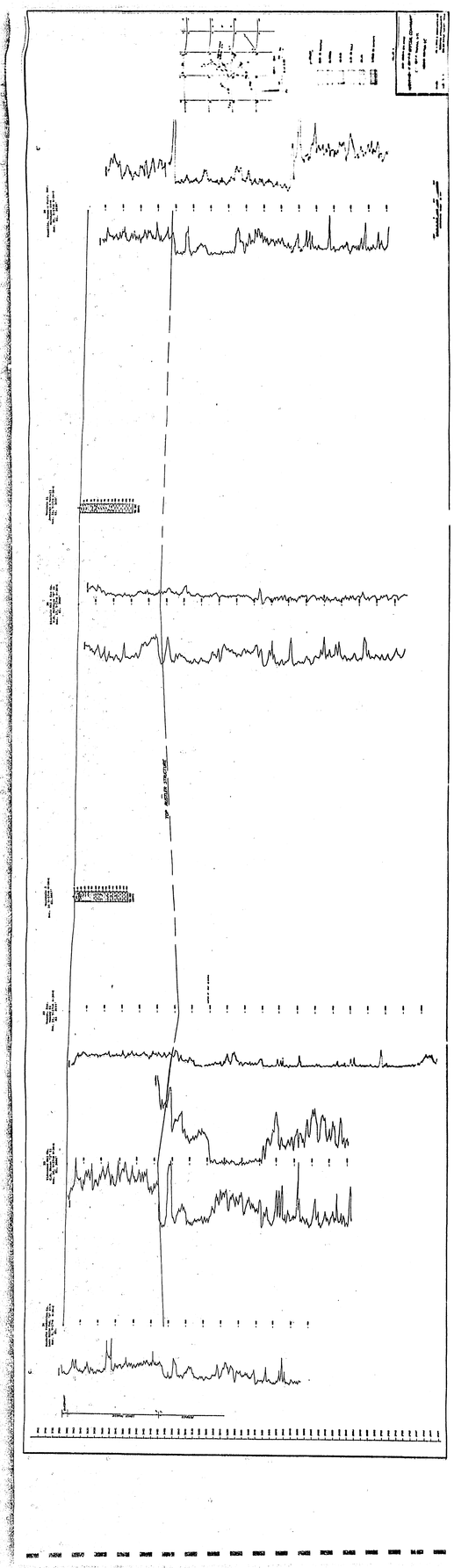
EDDY COUNTY, NEW MEXICO

LOCO HILLS WATER DISPOSAL COMPANY

SALT WATER DISPOSAL SITE

RUSTLER STRUCTURE

3-1981

DRN. BY DR

ED L. REED & ASSOCIATES, INC.
CONSULTING HYDROLOGISTS
MIDLAND, CORPUS CHRISTI, TEXAS