

Sargent Irrigation Company

IRRIGATION ENGINEERING

TEST HOLES AND IRRIGATION WELLS PUMPS & SERVICE

Box 359
South Highway 385

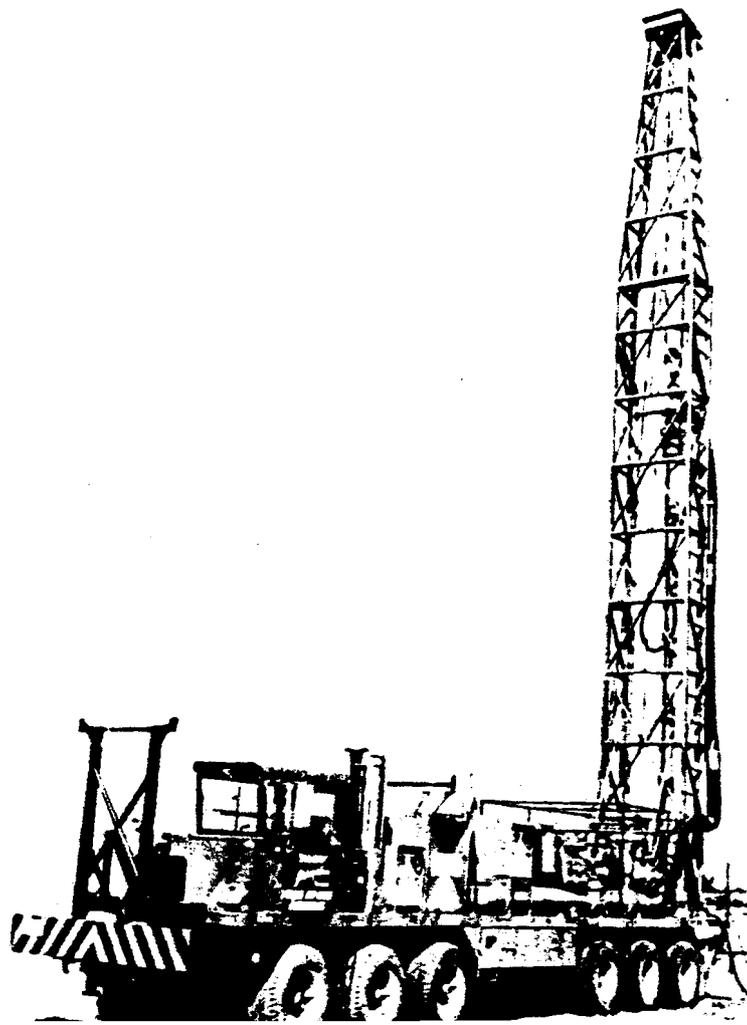
Alliance, Nebraska
69301

Phone
308-762-4757

- 298 - 300 Trace sand w/fine & med. gravel
- 300 - 303 Silty clay
- 303 - 333 Sand w/fine, med. & coarse gravel & trace SMALL BOULDERS
- 333 - 336 Silty clay
- 336 - 337 Sand w/fine, med. & coarse gravel & SMALL BOULDERS
- 337 - 338 Silty clay
- 338 - 347 Sand w/fine, med. & coarse gravel & SMALL BOULDERS
- 347 - 351 Silty clay mixed w/sand, gravel & BOULDERS
- 351 - 365 Sand w/fine, med. & coarse gravel & SMALL BOULDERS
- 365 - 368 Sand w/fine, med. & coarse gravel
- 368 - 380 Sand w/fine, med. & coarse gravel & 3' very thin layers silty clay scattered
- 380 - 389 Silty clay mixed w/sand & fine, med. & coarse gravel
- 389 - 400 Sand w/fine, med. & coarse gravel

Above logged sands are med. & coarse in texture
Used 2200 gallons water
20-25# polysal in water
10-15# cottonseed hulls

Hole took water heavy except in clay layers and it would almost completely stop using water
Drilling time 12:00 - 4:00 p.m.



Sargent Irrigation Company

IRRIGATION ENGINEERING

TEST HOLES AND IRRIGATION WELLS PUMPS & SERVICE

Box 359
South Highway 175

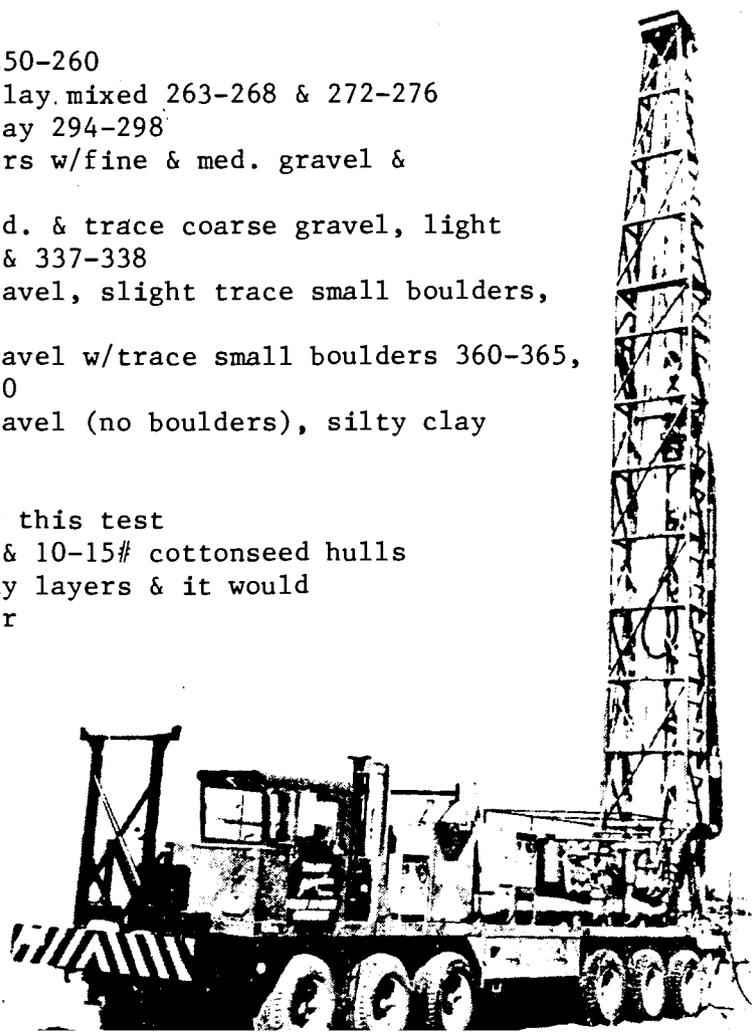
Alliance, Nebraska
69301

Phone
308-762-4757

Test Well Log - Nevada Agri-Business Corp.
Drilled: 01-27-84
Test #1 - Center SW $\frac{1}{4}$ Section 2 - 4N - 54E

- 0 - 5 Top soil
- 5 - 12 Slightly cemented fine, med. & trace coarse gravel
- 12 - 14 Clay
- 14 - 20 Fine, med. & coarse gravel w/trace cemented gravel
- 20 - 40 Med. & coarse sand w/fine, med. & coarse gravel, slightly cemented sand & gravel 20-24, 28, 30 & 35-36
- 40 - 60 Same, trace slightly firm streaks scattered
- 60 - 80 Trace med. & coarse sand w/fine, med. & trace coarse gravel, limey clay 65-68 & trace silty clay mixed w/gravel 75-80
- 80 - 100 Same, silty clay w/trace cemented sand & gravel 88-90 & 93-100
- 100 - 120 Same, cemented gravel 108-109 & trace thin layers 114-120
- 120 - 140 Same, thin slightly cemented gravel layers scattered throughout
- 140 - 160 Same, silty clay 149-453 & clay mixed w/gravel 153-160
- 160 - 180 Trace med. & coarse sand w/fine & med. gravel, approx. 3' thin firm layers 170-180
- 180 - 200 Same, trace med. gravel, slightly firm 192-195
- 200 - 220 Same, silty clay mixed 211-218
- 220 - 240 Same w/silty clay mixed 225-234
- 240 - 260 Same w/silty clay mixed 240-243 & 250-260
- 260 - 280 Same w/fine & med. gravel w/silty clay mixed 263-268 & 272-276
- 280 - 300 Same w/fine & med. gravel, silty clay 294-298
- 300 - 320 Same, also light trace small boulders w/fine & med. gravel & silty clay 300-303
- 320 - 340 Trace med. & coarse sand w/fine, med. & trace coarse gravel, light trace small boulders, clay 333-336 & 337-338
- 340 - 360 Same w/fine, med. & trace coarse gravel, slight trace small boulders, silty clay mixed 347-351
- 360 - 380 Same w/fine, med. & trace coarse gravel w/trace small boulders 360-365, approx. 3' silty clay layers 368-380
- 380 - 400 Same w/fine, med. & trace coarse gravel (no boulders), silty clay mixed w/gravel 380-389

Used approx. 2200 gallons water for this test
Used 20 - 25 lbs. polysal in water & 10-15# cottonseed hulls
Hole took water heavy except in clay layers & it would almost completely stop using water
Drill time - 12:00 - 4:00 p.m.



Sargent Irrigation Company

Well Log # 25184

IRRIGATION ENGINEERING

TEST HOLES AND IRRIGATION WELLS PUMPS & SERVICE

Phone
308-762-4757

TEST # 1

Box 359
South Highway 385

Alliance, Nebraska
69301

Test Well Log - Nevada Agri-Business Corp.

Drilled: 01-27-84

Center SW $\frac{1}{4}$ Section 2 - 4N - 54E *no site*

Static Water Level - 85'

- 0 - 5 Top soil
- 5 - 12 Slightly cemented fine, med. & trace coarse gravel
- 12 - 14 Clay
- 14 - 20 Fine, med. & coarse gravel with thin layers slightly cemented gravels
- 20 - 24 Slightly cemented sand with fine, med. & coarse gravel
- 24 - 28 Sand w/fine, med. & coarse gravel
- 28 - 30 Slightly cemented sand w/fine, med. & coarse gravel
- 30 - 35 Sand w/fine, med. & coarse gravel
- 35 - 36 Slightly cemented sand w/fine, med. & coarse gravel
- 36 - 40 Sand w/fine, med. & coarse gravel
- 40 - 60 Sand w/fine, med. & coarse gravel & trace slightly firm streaks scattered
- 60 - 65 Trace sand w/fine, med. & trace coarse gravel
- 65 - 68 Limey clay
- 68 - 75 Trace sand w/fine, med. & trace coarse gravel
- 75 - 80 Trace sand w/fine, med. & trace coarse gravel w/silty clay mixed
- 80 - 88 Trace sand w/fine, med. & trace coarse gravel
- 88 - 90 Silty clay w/trace slightly cemented sand & fine & med. gravel
- 90 - 93 Trace sand w/fine, med. & trace coarse gravel
- 93 - 100 Silty clay w/trace slightly cemented sand & fine & med. gravel
- 100 - 108 Trace sand w/fine, med. & trace coarse gravel
- 108 - 109 Slightly cemented sands & fine & med. gravel
- 109 - 114 Trace sand w/fine, med. & trace coarse gravel
- 114 - 120 Trace sand w/fine, med. & trace coarse gravel, trace thin slightly cemented layers sand & gravel mixed
- 120 - 149 Trace sand w/fine, med. & trace coarse gravel w/thin slightly cemented gravel layers scattered throughout
- 149 - 153 Silty clay
- 153 - 160 Silty clay mixed w/sand & fine & med. gravel
- 160 - 192 Trace sand w/fine & med. gravel & approx. 3' very thin firm layers sand & fine & med. gravel 170-180
- 192 - 195 Firm slightly cemented sand w/fine & med. gravel
- 195 - 211 Trace sand w/fine & med. gravel
- 211 - 218 Silty clay mixed w/sand & gravel
- 218 - 225 Trace sand w/fine & med. gravel
- 225 - 234 Silty clay mixed with sand & gravel
- 234 - 240 Trace sand w/fine & med. gravel
- 240 - 243 Silty clay mixed w/sand & gravel
- 243 - 250 Trace sand w/fine & med. gravel
- 250 - 260 Silty clay mixed w/sand & gravel
- 260 - 263 Trace sand w/fine & med. gravel
- 263 - 268 Silty clay mixed w/sand & gravel
- 268 - 272 Trace sand w/fine & med. gravel
- 272 - 276 Silty clay mixed with sand & gravel
- 276 - 294 Trace sand w/fine & med. gravel
- 294 - 298 Silty clay

