



# Sargent Irrigation Company

## IRRIGATION ENGINEERING

### TEST HOLES AND IRRIGATION WELLS PUMPS & SERVICE

Box 359  
South Highway 385

Alliance, Nebraska  
69301

Phone  
308-762-4757

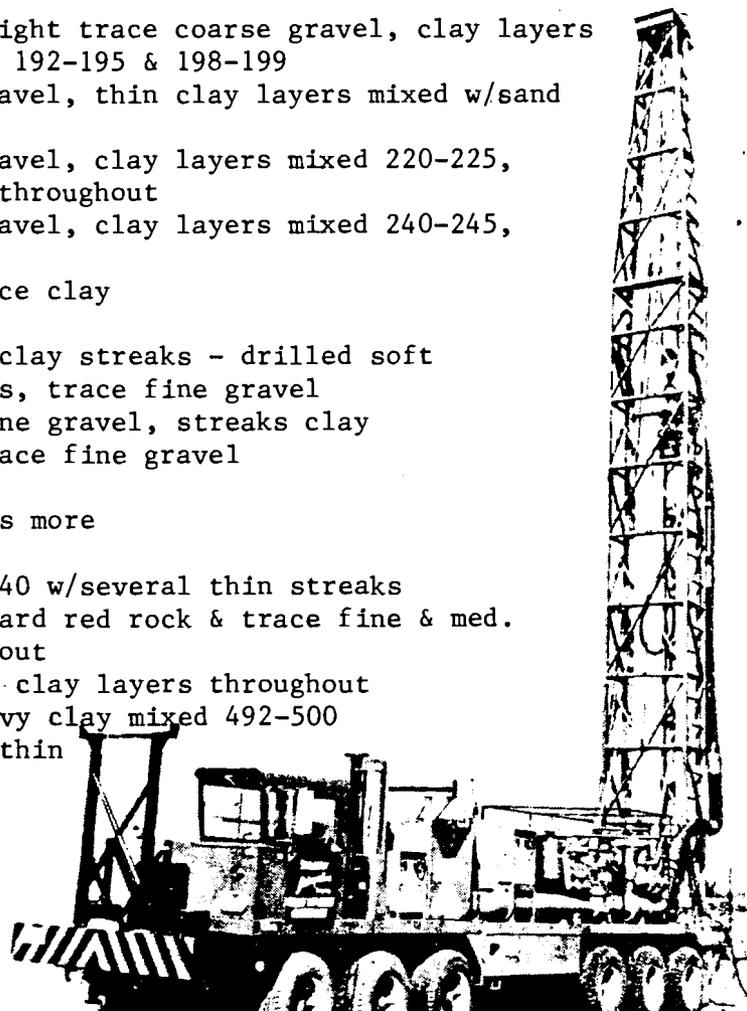


Test Well Log - Nevada Agri-Business Corp.

Drilled: 01-31-84

Test #5 SW 1/4 S14 T5N R. 54E.

- 0 - 3 Top soil (sand)
- 3 - 5 Clay
- 5 - 11 Med. & coarse sand w/fine, med. & coarse gravel
- 11 - 20 Same w/clay mixed
- 20 - 32 Mushy limey clay w/trace gravel mixed
- 32 - 40 Silty clay w/sand & fine, med. & coarse gravel mixed
- 40 - 60 Soft med. & coarse sand w/fine, med. & trace coarse gravel w/thin limey clay layers throughout
- 60 - 76 Soft med. & coarse sand w/fine, med. & trace coarse gravel
- 76 - 80 Same w/limey clay mixed
- 80 - 100 Soft med. & coarse sand w/fine, med. & trace coarse gravel, thin layers clay throughout
- 100 - 120 100-104 med. & coarse sand w/fine & med. gravel & clay mixed 104-113 & 116-120 med. & coarse sand w/fine & med. gravel, clay 113-116
- 140 - 160 Med. & coarse sand w/fine, med. & light trace coarse gravel, firm streak 144' & 4' thin clay layers throughout
- 160 - 180 Med. & coarse sand w/fine, med. & light trace coarse gravel, clay w/trace gravel 164-174 & 177-180
- 180 - 200 Med. & coarse sand w/fine, med. & light trace coarse gravel, clay layers w/light trace gravel mixed 183-185, 192-195 & 198-199
- 200 - 220 Med. & coarse sand w/fine & med. gravel, thin clay layers mixed w/sand & gravel 209-213 & 217-220
- 220 - 240 Med. & coarse sand w/fine & med. gravel, clay layers mixed 220-225, 230-232 & 3' very thin clay layers throughout
- 240 - 260 Med. & coarse sand w/fine & med. gravel, clay layers mixed 240-245, 250-252, 256 & 258-260
- 260 - 275 Coarse sand & fine med. gravel, trace clay
- 275 - 280 Fine, med. gravel w/clay - firm
- 280 - 300 Med. & coarse sand & med. gravel w/clay streaks - drilled soft
- 300 - 320 Fine & some med. sand w/clay streaks, trace fine gravel
- 320 - 340 Fine, med. & coarse sands w/some fine gravel, streaks clay
- 340 - 360 Fine & med. sand w/clay streaks, trace fine gravel
- 360 - 380 Same
- 380 - 400 Fine & med. sands & clay, clay shows more
- 400 - 420 Same
- 420 - 440 Same, clay 423-425, 427-429 & 435-440 w/several thin streaks
- 440 - 460 Med. & coarse sands w/fine & med. hard red rock & trace fine & med. gravel, 3' thin clay layers throughout
- 460 - 480 Same, very light trace gravel, thin clay layers throughout
- 480 - 500 Same, trace fine & med. gravel, heavy clay mixed 492-500
- 500 - 520 Same, trace fine & med. gravel, 3' thin clay streaks



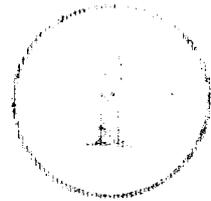
LOG 25180

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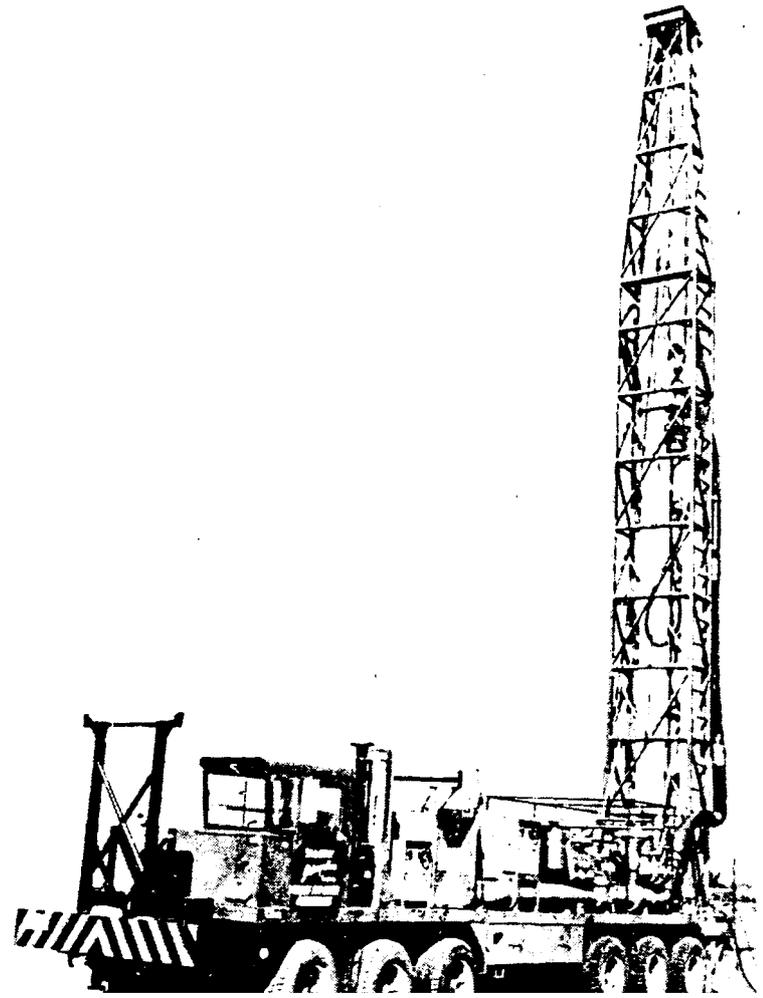
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Test # 5 - Page 2

- 520 - 540 Med. & coarse sands w/fine & hard red rock, trace fine & med. gravel, very little clay in returns
- 540 - 560 Same, trace fine & med. gravel, no clay

Cuttings logged as hard red rock in broken & reworked volcanic rock from alluvial fans off mountains



TEST # 5

# Sargent Irrigation Company

Well log # 25780

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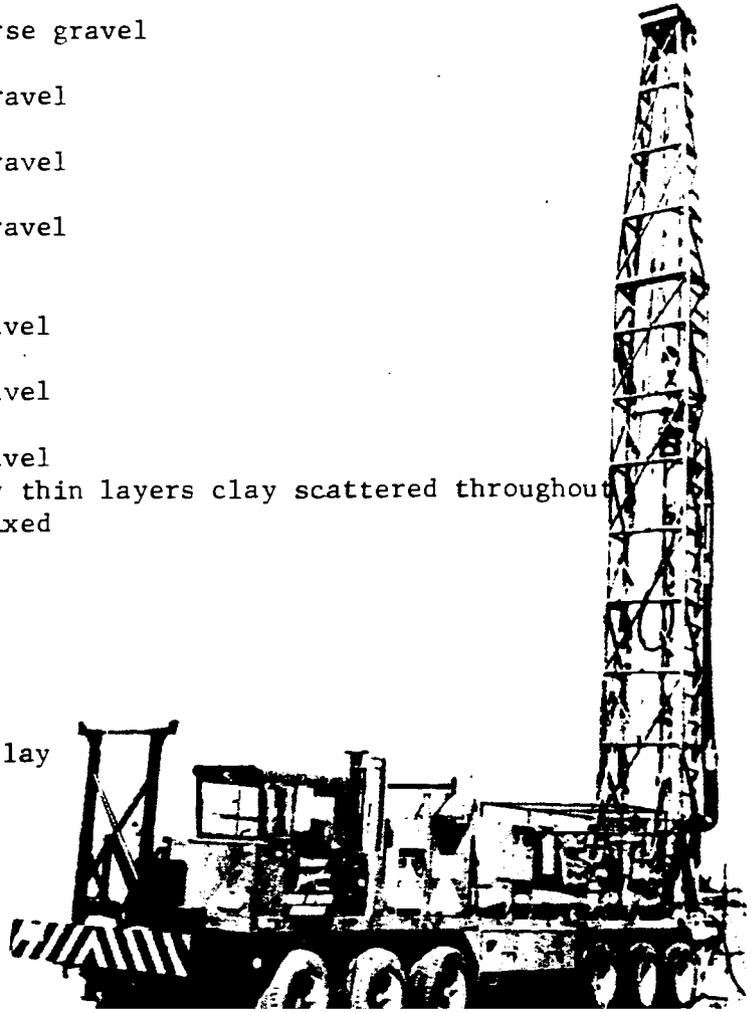
Test Well Log - Nevada Agri-Business Corp.

Drilled: 01-31-84

SW $\frac{1}{4}$  14-5N-54E

Static Water Level - 45'

- 0 - 3 Top soil
- 3 - 5 Clay
- 5 - 11 Sand w/fine, med. & coarse gravel
- 11 - 20 Sand & fine, med. & coarse gravel w/clay mixed throughout
- 20 - 32 Mushy limey clay w/trace gravel mixed
- 32 - 40 Silty clay w/sand & fine, med. & coarse gravel mixed
- 40 - 60 Soft sand w/fine, med. & trace coarse gravel w/thin limey clay layers throughout
- 60 - 76 Soft sand w/fine, med. & trace coarse gravel
- 76 - 104 Soft sand w/fine, med. & trace coarse gravel w/limey clay mixed throughout
- 104 - 113 Sand w/fine & med. gravel
- 113 - 116 Clay
- 116 - 130 Sand w/fine & trace med. gravel
- 130 - 131 Firm sand w/fine & trace med. gravel
- 131 - 140 Sand w/fine & trace med. gravel w/3' very thin clay layers throughout
- 140 - 144 Sand w/fine, med. & trace coarse gravel
- 144 - 145 Firm sand & gravel
- 145 - 164 Sand w/fine, med. & trace coarse gravel w/4' very thin clay layers throughout
- 164 - 174 Clay w/trace gravel mixed
- 174 - 177 Soft sand w/fine, med. & trace coarse gravel
- 177 - 180 Clay w/trace gravel mixed
- 180 - 183 Sand w/fine, med. & trace coarse gravel
- 183 - 185 Clay w/trace gravel mixed
- 185 - 192 Sand w/fine, med. & trace coarse gravel
- 192 - 195 Clay w/gravel mixed
- 195 - 198 Sand w/fine, med. & trace coarse gravel
- 198 - 199 Clay w/gravel mixed
- 199 - 209 Sand w/fine & med. gravel
- 209 - 213 Thin clay layers mixed w/sand & gravel
- 213 - 217 Sand w/fine & med. gravel
- 217 - 225 Thin clay layers mixed w/sand & gravel
- 225 - 230 Sand w/fine & med. gravel
- 230 - 232 Thin clay layers mixed w/sand & gravel
- 232 - 240 Sand w/fine & med. gravel & 3' very thin layers clay scattered throughout
- 240 - 245 Sand & fine & med. gravel w/clay mixed
- 245 - 250 Sand w/fine & med. gravel
- 250 - 252 Sand & gravel w/clay mixed
- 252 - 256 Sand w/fine & med. gravel
- 256 - 257 Sand & gravel w/clay mixed
- 257 - 258 Sand w/fine & med. gravel
- 258 - 260 Sand & gravel w/clay mixed
- 260 - 275 Sand & fine & med. gravel w/trace clay layers
- 275 - 280 Firm fine & med. gravel w/clay



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3110 ~~1~~ gravel w/~~some~~ thin clay streaks - drilled soft  
3111 ~~1~~ med. sands w/~~some~~ clay streaks, trace fine gravel  
3112 ~~1~~ coarse sand w/~~some~~ fine gravel, streaks clay  
3113 ~~1~~ sand w/clay streaks, trace fine gravel  
3114 ~~1~~ sand & clay, clay shows more  
3115 ~~1~~  
3116 ~~1~~ sands w/trace clay  
3117 ~~1~~  
3118 ~~1~~ sands w/trace clay  
3119 ~~1~~  
3120 ~~1~~ sands w/trace & med. red gravel & trace fine & med.  
3121 ~~1~~ approx. 7' thin scattered clay layers throughout  
3122 ~~1~~ sands w/trace fine & med. red gravel & trace fine & med.  
3123 ~~1~~ w/heavy clay mixed  
3124 ~~1~~ sands w/trace fine & med. red gravel & trace fine & med.  
3125 ~~1~~ w/3' very thin clay layers scattered  
3126 ~~1~~ sands w/trace fine & med. red gravel & trace fine & med.  
3127 ~~1~~, very little clay in returns

Quartzes listed as red gravel is broken & reworked volcanic rock from  
alluvial fans off mountains.

