Artesian Wetlands Survey

Date: 5-31-78

ocation: Stage 1 (Rest Stop [illegible]) – Area 1A; SW 1/4, SE 1/4, Sec. 1, T37N, R11E (Philip Cantu)

rea of Influence (approx.) 3½ - 4 acres

rea Inundated (approx.) 1 acres

ze of Well 2"

ell Output (approx.) 7 gal./min.

egetation – 99% Wire grass. .5% Rabbit Brush, .5% Chico

una – black birds.

oil Sample none taken

emarks – Weather = partly cloudy, windy (S.W.). Area was being utilized. approx. 25 head of herfords. This location is probably not used much by waterfowl or shorebirds due to proximity to U.S. Highway 160.

Artesian Wetlands Survey

Stage 1 1-AAA (Philip Conlu) Date: 6-13-78 (Cedar Homes of S. Colo.)

ocation: E ½ Sec. 1 T37N, R11E, + W ½ Sec. 6, T37N, R10E + SW ½, SE ¼, Sec. 6, T37N, R12E

rea of Influence (approx.) 75-100 Acres

rea Inundated (approx.) 50-60 Acres

ize of Well There are approx. 30 wells in this area consisting of various sizes

ell Output (approx.) The 30 wells differ in the amounts they flow.

egetation The areas influenced by the wells are covered mainly with Wire + Salt Grass.

auna ducks, killdeer, avocets, wilson's phalaropes, blackbirds, meadowlarks all use the area.

oil Sample Soil conditions grade from Gravelly Sandy Silt to Sandy Silt.

emarks Weather - clear, breezy (S.W.). Because there were so many wells in this area and because their areas of influence almost all connect, I've decided to treat the area as one wetland. Those areas closest to Highway 160 are not being used very much by waterfowl and shore birds, whereas those areas away from the highway are being used. This whole area is being used heavily by cattle also.

Artesian Wetlands Survey

Date: 5-31-78

(Philip Conti)

ocation: Stage 1. Area 1-B

rea of Influence (approx.) 2 acres

rea Inundated (approx.) 1/2 Acre.

ze of Well 2"

ell Output (approx.) 5 gal./min

egetation 99% Wire Grass

una Black birds

oil Sample - Sandy clayey Silt -, brown. 70% Silt, 15% fine-med. Sand, 15% lean clay

emarks Weather - Partly cloudy, Windy (S.W.) Area Utilized by cattle.

Probably not a good waterfowl or shorebird Area, due to proximity to U.S. Highway 160.

Artesian Wetlands Survey

Date: 5-31-78

ocation: Stage 1; Area 1-C; SW 1/4, SW 1/4, Sec. 2, T37N, R11E. (R.L. Umbenhour)

rea of Influence (approx.) 1-1½ acres

ea Inundated (approx.) None - Area is dried up.

ze of Well Unknown.

ell Output (approx.) 0gal./min.

getation - 50% Wire Grass, 25% Cattails 20% salt grass. 5% other.

una None Noticed.

il Sample None taken

marks Weather - Partly Cloudy, Windy (S.W.). Ground has dried up. Most of the vegetation is dead. White Alkali patch in the middle. Area appears to have been a man-made resovoir. Rabbit Brush is starting to move from the banks into the sump area. No shorebirds or waterfowl were observed.

Photo #14

Artesian Wetlands Survey

Stage 1 Area 1-D

Date: 5-31-78

(Tom McKenna)

ocation: W½, SE¼ Sec. 35, T38N, R11E.

rea of Influence (approx.) 10-15 acres

ea Inundated (approx.) 6 acres.

ze of Well 4"

ell Output (approx.) 10 gal/min

egetation 40% Salt grass. 30% Wire Grass, 10% Rushes, 20% other. Fringe-Chico + Rabbit Brush

una Swallows (6), Avocets (20), Blackbirds (over 30), Mallards (4), Killdeer (over 20), Shovelers (10), Wilson's Phalarope (5)

oil Sample (1) (Southern End) - Clayey, Sandy Silt. (2) (Middle) - Sandy Clay

emarks Weather - Partly Cloudy, Windy (S.W.). This area is fairly heavily used, both for feeding + some nesting. Soil + vegetation vary depending upon the section you're in within this area. Too much trash is scattered around. Only one Source of water was found. Across the road (½ mile) is another area approx. 20 acres that could possibly be a wetlands during certain times of the year. There is no obvious year-around source, however.

Artesian Wetlands Survey

Stage 1 1- Date: 6-2-78

ocation: N. of 6 mile Road, SW 1/4, SW 1/4, Sec. 35, T38N, R14E. (Tom McKenna)

rea of Influence (approx.) 7-10 acres

rea Inundated (approx.) 2-2 1/2 acres.

ze of Well 3" Valved

ell Output (approx.) unknown (it's underwater)

egetation 60% Wiregrass, 30% saltgrass, 5% rabbitbrush, 5% other (cattails, etc.

una Frogs, blackbirds, Meadowlarks, Killdeer, 1pr mallards

oil Sample Sandy Silt - 90% Silt, 10% fine Sand. (less than 1% fine gravel present)

emarks Weather - Partly Cloudy, Windy (S.W.) First area where frogs have been present.

Artesian Wetlands Survey

Date: 6-1-78

Stage 1 Area 1-E

Location: S. of [illegible] Rd. N.E. 1/4, N.E. 1/4, Sec. 2. T27N, R11E. (M.F. Gorland)

Area of Influence (approx.) 1 acre

Area Inundated (approx.) 100 sq. ft.

Size of Well 3"

Well Output (approx.) 5 gal./min.

Vegetation 99% Wire Grass 1% Rabbit Brush. Fringe = Rabbit Brush

Fauna Blackbirds. Killdeer.

Soil Sample Sandy Silt. — 50% Silt. 30% fine-med. Sand.

Remarks Weather - Partly Cloudy, Windy (S.W.) No waterfowl present.
Dead coyote found close by. Body too deteriorated to tell what caused death.

photo #16 #17

Artesian Wetlands Survey

Date: 6-1-78

stage 1 - 1F

(Edward Walthins)

ocation: .6 Mile N. of 6mile Rd., SW 1/4, NE 1/4 Sec 35, T38N R11E

red of Influence (approx.) 2 acres

rea Inundated (approx.) 1/2 acres

ize of Well Unable to find well. Casing must be cutoff below water surface

ell Output (approx.)

egetation 90% Hipperus. 2% Rushes. 3% other. 5% Wire grass. Fringe = chico, Rabbit Brush, Cottonwoods

auna Blackbirds. 1 Avocet

oil Sample Sandy Humus

emarks Area is a lush green, covered with a vegetation type called Hipperus which is a plant that comes late in succession. Area is secluded but isn't being used by waterfowl at this time. Pretty spot!

#18 Photo

Artesian Wetlands Survey

Stage 1 Area 1-G

Date: 6-1-78 (J.D. + C.M. Borden et al)

ocation: Just S. of 6 mile Rd. NW1/4 NW1/4 Sec. 1, T37N, R11E.

rea of Influence (approx.) 5 acres

rea Inundated (approx.) 50 sq. ft.

ize of Well 3" Well has been valved. The only water getting out is leaking out

ell Output (approx.) 2 gal/min.

egetation 60% Wire Grass 39% Salt grass 1% rabbit brush.

auna No birds or mammals noted.

oil Sample Sandy Silt. w/ minor amounts of clay.

emarks Weather - Partly Cloudy, Windy (SW). Area is almost totally dry, due to the fact that the valve on the well is turned off.

Photo #19

Artesian Wetlands Survey

Date: 6-1-78

Stage 1; Area 1-H

Location: Just S. of 6 mile Rd. N.W. 1/4, N.E. 1/4, Sec. 1, T37N, R11E (Philip Co.)

Area of Influence (approx.) 1 1/2 acres

Area Inundated (approx.)

Size of Well 2" Valved

Well Output (approx.) 3 gals/min

Vegetation 98% Wire Grass 2% Rabbit Brush.

Fauna Pair of Pintails (appear to be nesting) Blackbirds, Killdeer

Soil Sample Sandy Silt. 70% Silt. 30% fine-med. Sand.

Remarks Weather - Partly Cloudy, Windy (S.W.). Area is small but is being utilized to some degree. Area would probably be wetter but the well flow appears to be cut by the valve.

Pre #20

Artesian Wetlands Survey

Stage 1 Area 1-I

Date: 6-1-78

Location: Next to 6 mile rd. S.W 1/4, SE 1/4 Sec. 36 T38N, R11E, Area is on both sides of rd. (State)

Area of Influence (approx.) 6-7 acres

Area Inundated (approx.) 2 1/2 acres.

Size of Well 2" Valved

Well Output (approx.) 3 gals/min.

Vegetation 80% Wire grass 30% other grasses (non-salt tolerant)

Fauna Killdeer, blackbirds.

Soil Sample Sandy Silt. Some clay all present but thicknesses are minimal.

Remarks Weather - Partly Cloudy, Windy (S.W.). Area is not very heavily used by wildlife, probably because area is used by cattle for watering + grazing.

Photo #21?

Artesian Wetlands Survey

Stage 1 Area 1-J

Date: 6-1-78

ocation: miles N of 6 mile Rd. S.E. 1/4, N.E. 1/4, Sec. 36, T38N, R11E (straddles fence between state + Al Schritsmier

rea of Influence (approx.) 15-20 acres

ea Inundated (approx.) 8-9 acres

ze of Well Unknown. Well casing must be below water surface

ell Output (approx.) Unknown

getation 80% Wire Grass, 20% Salt grass.

una 2 Mallards Killdeer, Blackbirds.

oil Sample Mostly Sandy Silt - 80% Silt 20% fine-med. Sand. Some clay.

emarks Area is actually two areas connected by a ditch. Eastern part is partly innudated while Western part is dry. Weather- partly Cloudy Windy (S.W.)

Artesian Wetlands Survey

Stage 1 Area 1-K

Date: 6-1-78 (Verna Martin, Ellen Spezze)

ocation: N. of 6 mile rd. SW 1/4, SW 1/4 Sec. 31, T38N, R11E

rea of Influence (approx.) 20-25 Acres

rea Inundated (approx.) 7-8 acres

ize of Well 5" diam.

ell Output (approx.) 8-10 gals./min.

egetation 70% Wire Grass, 30% Salt Grass. Several Islands w/ Chico + Rabbit Brush.

auna Blackbirds, Meadowlarks

oil Sample Sandy Silt - 70% Silt, 30% fine-med. Sand.

emarks - Weather - Partly Cloudy, Windy (S.W.) No waterfowl or shorebirds were observed. Area is heavily used by cattle.

Artesian Wetlands Survey

Stage 1 Area 1-L

Date: 6-1-78

(Verna Martin
Ellen Speeze)

ocation: N. of 6 mile Rd. SW 1/4 SE 1/4, Sec. 31, T38N, R11E

rea of Influence (approx.) 6-8 acres

rea Inundated (approx.) 2-3 acres

ze of Well 5" diam.

ell Output (approx.) 2 gal/min.

egetation 60% Wire Grass, Islands of Chico + Rabbit Bush 40% other grasses

una Avocets, Killdeer

oil Sample - Sandy Silt - 70% Silt, 30% Sand. Some thin lenses of clay on surface.

emarks - Weather - Partly Cloudy, Windy (S.W.). No Waterfowl observed.
Judging from number of Cow turds area is heavily used by cattle.
Evidence of predation found - remains of Avocet (wings, breastbone, legs) were found.
Probably a Coyote Kill. No tracks found, however.

Artesian Wetlands Survey

Stage 1 1-m

Date: 6-1-78

ocation: N. of 5 mile Rd. SW 1/4, SE 1/4, Sec. 25, T38N, R11E. (Buena Westbrook)

rea of Influence (approx.) 10-11 Acres

rea Inundated (approx.) 7 Acres

ize of Well 2" Valved

ell Output (approx.) 8-9 gals/min.

egetation 80% Wire Grass, 15% Salt Grass 5% other grasses

auna Blackbirds, Avocets, Killdeer, Jackrabbit. 4pr. mallards - nesting.

oil Sample Sandy Silt - 65% Silt, 35% fine-med. Sand.

emarks - Weather - Partly Cloudy, Windy (S.W.). Area is being utilized by waterfowl, shore birds + cattle.

Artesian Wetlands Survey

Stage 1 1-N

Date: 6-2-78

ocation: N. 5 mile Rd. S.E. 1/4, SW 1/4 Sec. 25, T38N, R11E. (Bernard Owens)

rea of Influence (approx.) 8-9 acres

rea Inundated (approx.) 2-3 acres

ize of Well 2" Valved

ell Output (approx.) 5 gals./min

egetation 85% Wire Grass 10% Salt Grass, 5% other

auna Wilson's Phalarope, Killdeer, Blackbirds, 2 Mallards, 2 Canvasbacks, 1 cinnamon Teal, Avocets

oil Sample Sandy Silt - 80-85% Silt, 15-20% fine-med. Sand.

emarks Weather - Partly Cloudy, Breezy (S.W.). Area is being utilized by waterfowl, shorebirds, songbirds, and cattle. Area is very close to the road, but there is not much traffic.

Artesian Wetlands Survey

Stage 1 1-0 Date: 6-2-78

ocation: Off 5 mile Rd. to N. SE 1/4, SW 1/4, Sec. 25, T38N, R11E. (Bernard Owens)

rea of Influence (approx.) 3-4 acres

rea Inundated (approx.) 1/4 acre

ize of Well 4"

ell Output (approx.) 1 gal./min

egetation 85% Wire Grass, 10% Salt Grass, 5% other

auna Killdeer, blackbirds

oil Sample Sandy Silt, 80% Silt, 20% fine-med. Sand.

emarks Weather - Partly Cloudy, Breezy (S.W.) Well is shown on map, but area influenced by well isn't.

Artesian Wetlands Survey

Stage 1 1-P

Date: 6-2-78

ocation: N. of 5 mile Road. S.E. 1/4, S.W. 1/4, Sec. 25, T38N, R11E. (Bernard Owens)

rea of Influence (approx.) 8-10 acres

rea Inundated (approx.) 3 1/2 Acres

ize of Well 2"

ell Output (approx.) 4-5 gals./min.

egetation 45% Wire Grass, 45% Salt Grass. 10% other

auna Blackbirds, Avocets

oil Sample Sandy Silt, 80% Silt, 20% fine-med. Sand.

emarks Weather- Partly Cloudy, Breezy (S.W.). This area is being used by shorebirds, songbirds and cattle.

Artesian Wetlands Survey

Stage 1 1-Q

Date: 6-2-78

ocation: N. 5 mile Rd. SW1/4, SW1/4 Sec. 25, T38N, R11E. (Bernard Owens)

rea of Influence (approx.) 2-3 acres

rea Inundated (approx.) 1/2 - 1 acre

ize of Well 3"

ell Output (approx.) 3-3½ gals./min.

egetation 90% Wire Grass, 5% wire Grass, 2% Hippurus, 3% other (clover, buttercups)

auna Meadowlarks, blackbirds, Killdeer, Avocets, Wilson's Phalarope

oil Sample Sandy Silt - 85% Silt, 15% fine-med. Sand.

emarks Weather - partly cloudy, Windy (S.W.). Concerning soil Samples, there are certain areas within this area that have thin surface lenses of lean clay. This wetland area doesn't appear to be very heavily used.

Artesian Wetlands Survey

Stage 1 1-R

Date: 6-2-78

(Bernard Owens)

ocation: Just N. of 5 mile rd. SW1/4, SW1/4, Sec. 25, T32N, R11E

rea of Influence (approx.) 13-15 acres

ea Inundated (approx.) 3-4 acres

ze of Well 2" valved

ell Output (approx.) 4-5 gals./min.

getation 70% Salt Grass, 29% Wire Grass, 1% other

una Avocets, Blackbirds, Killdeer, 1 pr. mallards

oil Sample Sandy, clayey, Silt - 80% Silt, 15% Fine-med. Sand, 5% lean clay

emarks Weather - Partly Cloudy, Breezy - Windy (S.W.). Not very much use considering size.

Artesian Wetlands Survey

Stage 1 1-S

Date: 6-2-78

ocation: 1/2 mile N of Brite Rd SW1/4, NE1/4 Sec. 25 T38N, R11E (Gerald Jones)

rea of Influence (approx.) 4-5 Acres

rea Inundated (approx.) 1 acre

ze of Well 3"

ell Output (approx.) 2-3 gals./min.

egetation 90% Wire Grass 1% Hippurus 8% SaltGrass, 1% other

una Blackbirds

oil Sample Sandy Silt - 90% Silt, 10% fine-med. Sand

emarks Weather - Partly Cloudy, Windy (S.W.) Hot. The area is very secluded but isn't getting much activity. If there was more water, this area would be about 20 acres in size.

Artesian Wetlands Survey

Stage 1 1-T

Date: 6-2-78

ocation: S. of 4 mile rd., NW 1/4, NE 1/4 Sec. 25 T38N, R11E (Keith Lawson)

rea of Influence (approx.) 5-7 Acres

rea Inundated (approx.) 1-2 Acres

ize of Well 2"

ell Output (approx.) 4-5 gals./min.

egetation 30% wire grass, 5% Hippurus 10% Salt Grass, 55% other

auna Blackbirds, Avocets, Killdeer, Jackrabbit

oil Sample Sandy Silt - 85% Silt, 15% fine-med Sand

emarks Weather - Partly Cloudy, Windy (S.W.) Area is being used by cattle much more than by any wildlife.

Artesian Wetlands Survey

Stage 1 1-4 Date: 6-5-78

ocation: 2 mile N. of ¼ mile rd. SW½, SW¼, Sec. 24, T38N, R11E (Willie Chappell)

rea of Influence (approx.) 30-35 acres

rea Inundated (approx.) 3-5 acres

ize of Well 3"

ell Output (approx.) 5-7 gals/min.

egetation 65% Wire Grass, 35% Salt Grass less than 1% Cottonwoods

auna Jackrabbit, meadowlarks, Avocets, Killdeer, blackbirds, Wilson's Phalaropes, Mourning Doves, Mallards

oil Sample Sandy Silt - 85% Silt, 15% fine-med. Sand

emarks Weather Partly Cloudy, Breezy - Windy (S.W.)

Artesian Wetlands Survey

Stage 1 1-V

Date: 6-5-78

ocation: N of 1 mile rd. Middle of S.W. 1/4 of Sec. 24, T38N, R11E, (willie chappel)

rea of Influence (approx.) 25-30 acres.

ea Inundated (approx.) 8-10 acres

ze of Well 4"

ell Output (approx.) 5 gals./min.

egetation 5% Wire Grass, 48% Salt grass, 2% other.

una Blackbirds, meadowlarks, Killdeer

oil Sample Sandy Silt - 85% Silt, 15% fine-med. Sand.

emarks Weather - partly cloudy, windy (S.W.). Area 1-U and 1-V are somewhat connected + together compuise about 50-60 acres within the area of influence. Not much usage by wildlife, but area is being used by cattle + horses.

Artesian Wetlands Survey

Stage 1 1-W

Date: 6-5-78

ocation: N. of ¼ mile Rd., SE ¼, SW ¼ Sec. 24, T38N, R16E (Willie Chappell)

rea of Influence (approx.) 25-30 acres

ea Inundated (approx.) 5-6 acres.

ze of Well 4"

ell Output (approx.) 10-12 gals/min

getation 60% Wire Grass, 40% Salt Grass.

una Blackbirds, Meadowlarks, Killdeer

il Sample Sandy Silt - 85% Silt, 15% fine-med. Sand

emarks Weather - partly Cloudy, Breezy (S.W.), The well of this area empties into a man-made pond and then excess is drained by a small ditch into the rest of the area. No waterfowl or shore birds in or around the pond.

Artesian Wetlands Survey

Stage 1 1-X

Date: 6-5-78

ocation: N. of 4 mile rd., S.W. 1/4, SW 1/4, Sec. 19, T28N, R12E (Vernon Halvestrand)

rea of Influence (approx.) 15-17 acres

ea Inundated (approx.) 10-12 acres

ze of Well 4"

ell Output (approx.) 5-7 gals./min.

egetation 90% Wire Grass, 10% Salt Grass

Jackrabbit, cottontail

auna Avocets, Shovelers (12), Swallows, Wilson's Phalaropes, Killdeer, Pintails, Redheads.

oil Sample Sandy Silt - 80% Silt, 20% fine-med. Sand

emarks Weather - cloudy, occasional Rain, windy (S.W.)

Artesian Wetlands Survey

Stage 1 1-Y

Date: 6-5-78

ocation: N. of 4 mile Rd., SE 1/4, SW 1/4, Sec 19, T38N, R12E (James Routh)

rea of Influence (approx.) 18-20 Acres

rea Inundated (approx.) 8-10 Acres.

ize of Well 4"

ell Output (approx.) 8-10 gals/min

egetation 90% Wiregrass, 10% Salt Grass

auna Avocets Blackbirds, Pintail, Mallards, Killdeer

oil Sample Sandy Silt - 80% Silt, 20% fine-med. Sand

emarks Weather - Cloudy, occasional rain, windy (S.W.)

Artesian Wetlands Survey

Stage 1 1-2 Date: 6-5-78

ocation: .3 mile N. of 4 mile Rd SE 1/4, NW. 1/4 Sec. 17, T38N, R12E (E.L. Cowen)

rea of Influence (approx.) 10 acres

rea Inundated (approx.) 5 acres

ze of Well 2" Valved (leaks out bottom of rotten pipe)

ell Output (approx.) 5 gals/min

egetation 80% Wire Grass & 20% Salt Grass less than 1% buttercups

una Blackbirds, Killdeer, Swallows, minnows (near well)

oil Sample Sandy Silt - 85% Silt, 15% fine-med. Sand. Less than 1% clay present in some areas.

emarks Weather - partly cloudy, windy (N.E.) Area is due West of T.H. 1-1 about 1/4 mile. Very little wildlife present even though the area is secluded.

Artesian Wetlands Survey

Stage 1 1-AA Date: 6-5-78

ocation: .2 mile N of 4 mile Rd. SE 1/4, SE 1/4, Sec. 19 T39N, R12E (Bea Kay Real Estate)

rea of Influence (approx.) 6 8 acres

ea Inundated (approx.) 1 acre

ze of Well 2"

ell Output (approx.) 3-4 gals./min

getation 90% Wire Grass, 10% Salt grass less than 1% cottonwoods

una Blackbirds Killdeer.

il Sample Sandy Silt - 90% Silt, 10% fine-med. sand.

emarks Weather - Partly Cloudy Windy (N.E.) Not a very heavily used area by wildlife.

Artesian Wetlands Survey

Stage 1 1-BB Date: 6-5-78

ocation: N. 4 mile Rd. SW 1/4, SE 1/4 Sec. 20, T38N, R12E (Between Lincoln + Washington) (Ben Kay Real Estate)

rea of Influence (approx.) 2 acres

rea Inundated (approx.) 1/4 acre

ize of Well 2"

ell Output (approx.) 1 gal./min.

egetation 90% Wire grass, 10% salt grass

una None noticed

oil Sample Sandy Silt. – 89% Silt, 11% fine-med. Sand.

emarks Weather – partly Cloudy Windy (N.E.)

Artesian Wetlands Survey

Stage 1 1-CC Date: 6-6-78

ocation: .2 mile N of Hamill, N.E 1/4, S.E. 1/4, Sec. 20, T36N R19E (Farmington Auto Sales)

rea of Influence (approx.) 8-10

ea Inundated (approx.) 1-1½ acres

ze of Well 2" Valved

ell Output (approx.) 3-4 gals/min.

getation 99% Wire Grass, 1% Salt Grass, dandelions, + others

una Meadowlarks, Black birds, pinthope

oil Sample Sandy Silt - 90% Silt, 10% fine-med. Sand

emarks Weather - Clear - partly cloudy, Breezy to Windy (N.E.)
A secluded spot that isn't getting much wildlife usage. May not be enough flooded acreage

Artesian Wetlands Survey

Stage 1 1-DD

Date: 6-6-78

ocation: 3 mi. N. of Four Mile Rd., NE 1/4, SE 1/4, Sec. 19, T38N, R12E (Ben Kay Real Estate)

rea of Influence (approx.) 7-9 acres

:ea Inundated (approx.) 1 acre pond + 1 acre

ze of Well 4"

ell Output (approx.) 2-3 gals/min

:getation 60% Wire grass, 40% salt Grass other

:una meadowlarks, blackbirds, Killdeer, mallards (2) Teal (2)

:il Sample Sandy Silt - 90% Silt, 10% fine sand.

:marks Weather - clear - partly cloudy, breezy (N.E.),

Artesian Wetlands Survey

Stage 1 1-EE Date: 6-6-78

ocation: 100 yds E. of Grant off 4 mile, SW 1/4, NW 1/4, Sec. 29, T25N, R12E (Ben Kay Real Estate)

rea of Influence (approx.) 4-6 Acres

ea Inundated (approx.) 1 acre

ze of Well 3"

ell Output (approx.) 3-4 gals./min.

getation 50% Wire Grass, 50% Salt Grass

una Blackbirds, Killdeer

il Sample Sandy Silt - 90% Silt, 10% fine-med. Sand

marks Weather - Sunny, Breezy (N.E.) Area is being utilized heavily by cattle

Artesian Wetlands Survey

Stage 1 1-FF

Date: 6-6-78

ocation: W of Washington, 3/4 mile N of 4 mi. rd., SW¼ + NW¼, NE¼, Sec 20, T38N, R12E (Ben Kay Real Estate)

rea of Influence (approx.) 2-3 acres

ea Inundated (approx.) 1/2 acres

ze of Well 3"

ell Output (approx.) 3-4 gals./min.

getation 90% Wire Grass, 9% Salt Grass, 1% Hippurus

una Blackbirds

il Sample Sandy Silt - 90% Silt, 10% fine-med. Sand.

marks Weather - sunny, breezy (N.E.) Area is secluded + has plenty of water, however, no waterfowl or shore birds were present.

Artesian Wetlands Survey

Stage 1 1-GG

Date: 6-6-78

ocation: W of Wash. 3/4 mi. N of 4 mile rd.) NW 1/4, NE 1/4, Sec. 20, T38N, R12E (Bea Kay Real Estate)

rea of Influence (approx.) 2-3 Acres

rea Inundated (approx.) 1/2 Acre.

ize of Well 3"

ell Output (approx.) 7-8 gals./min

egetation 80% Wire Grass, 18% salt Grass, 1% Hipperus, 1% other.

auna Meadowlarks, Blackbirds

oil Sample Sandy Silt - 85% Silt, 15% fine-med. Sand

emarks Weather - sunny → partly Cloudy, breezy → Windy (N.E.) Again, area is secluded + there is plenty of Water, but no water fowl or shorebirds are utilizing the area.

Artesian Wetlands Survey

Stage 1 1-HH

Date: 6-6-78

ocation: N. of 4 mile on Grant. (Near TH 1-1) Large Willow trees. SW 1/4, NW 1/4, Sec. 19, T 38N, R 12E (Bea Kay Real Estate)

rea of Influence (approx.) 4-5 acres

ea Inundated (approx.) 1/2 - 1 acre.

ze of Well 3"

ell Output (approx.) 1-2 gals./min.

getation 60% Wire Grass, 30% clover + other grasses 10% Salt Grass

una Townsends Solitaire, Meadowlarks, blackbirds

il Sample Sandy Clayey Silt - 90% Silt, 9% fine-med Sand, 1% lean clay

emarks Weather - Partly Cloudy, Breezy (S.W.) Area isn't being used by much of anything.

Artesian Wetlands Survey

Stage 1 1-II

Date: 6-6-78

ocation: E. of Grand + TH 61, N. of 4 mile rd, SW 1/4, NW 1/4 Sec. 20, T38N, R12E (Ben Kay Real Estate

rea of Influence (approx.) 7-10 Acres

rea Inundated (approx.) 3-5 Acres

ize of Well 4"

ell Output (approx.) 4-5 gals./min.

egetation 60% Wire Grass, 40% Salt Grass

auna Mallards (2), Wilson's phalarope, blackbirds, Killdeer,

oil Sample Sandy Silt w/minute amounts of clay - 90% Silt, 10% fine-med. Sand

emarks Weather - Partly cloudy, breezy (S.W.). Even though area is being heavily used by cattle, the area is being shared by a few waterfowl + shorebirds, also.

Artesian Wetlands Survey

Stage 1 1-JJ

Date: 6-6-78

ocation: E. of Grant (N of THH) NW1/4, NW1/4, Sec. 20, T30N, R12E (Bea Kay Real Estate)

rea of Influence (approx.) 4-5 acres

rea Inundated (approx.) 1-1½ acres.

ze of Well 2"

ell Output (approx.) 2-3 gals/min

getation 60% Wire Grass, 40% Salt Grass.

una Killdeer, Meadowlarks

oil Sample Sandy Silt - 90% Silt, 10% fine-med sand.

emarks Weather - Partly Cloudy, breezy (N.E.) Area used mainly by cattle.

Artesian Wetlands Survey

Stage 1 1-KK

Date: 6-6-78

ocation: 2-3 Mile E. of PW-6 (on hill) SE 1/4, SW 1/4 Sec. 18, T38N, R2E (Bea Kay Real Estate)

rea of Influence (approx.) 5-6 Acres

ea Inundated (approx.) 1 Acre

ze of Well 3" (4' Stickup)

ell Output (approx.) 10-12 gals/min.

getation 80% Salt Grass, 9% Wire Grass, 1% Hippurus + others.

una Blackbirds, Mourning Doves

il Sample Sandy Clayey Silt - 80% Silt, 10% fine-med. Sand, 1% lean Clay

emarks Well is up on a hill and the water drains down into large depression. The only standing water though is up on the hill. Area is used mostly by cattle

Artesian Wetlands Survey

Stage 1 1-22 Date: 6-6-78

.ocation: S of PW 16 (1/2 mile) NW1/4, NW 1/4, Sec. 19, T38N R12E (E.L. Cowen)

rea of Influence (approx.) 1 Acre

rea Inundated (approx.) 1/2 Acre

ize of Well 3" Valve

'ell Output (approx.) 1 gal/min

egetation 90% Wire Grass, 10% Salt Grass.

auna None Noticed

oil Sample Sandy Silt - 90% Silt, 10% fine-med. Sand.

emarks Weather - Partly Cloudy Breezy (S.W) Not much water.

Artesian Wetlands Survey

Stage 2-2A

Date: 6-6-78

ocation: S. of PW 1-6 (1/2-3/4 mi.), SW1/4, NW1/4 Sec 19, T38N, R12E (E. L. Cowen)

rea of Influence (approx.) 4-6 Acres

rea Inundated (approx.) 1-1 1/2 Acres

ize of Well 3"

ell Output (approx.) 2-3 gals./min

egetation 50% Wire Grass, 50% Salt Grass.

auna Killdeer, blackbirds

oil Sample Sandy Silt - 90% Silt, 10% fine-med. Sand

emarks Weather - Partly Cloudy, Breezy (S-SW). Area being used by cattle.

Artesian Wetlands Survey

Stage 2 2-B

Date: 6-7-78

ocation: 1 mile S. of PWD-6, SE¼, SW¼, Sec. 17, T38N, R12E (Clarence B Jensen)

rea of Influence (approx.) 5-7 Acres

rea Inundated (approx.) 1-1½ Acres

ize of Well 3"

ell Output (approx.) 2-3 gals./min.

egetation 90% Wire Grass, 10% Salt Grass + other

auna Blackbirds, Jackrabbit

oil Sample Sandy Silt - 90% Silt, 10% fine Sand.

emarks Clear, Sunny, Breezy (N.E.), Area is not being used by waterfowl or shorebirds. Evidence of heavy cattle use.

Photo #1

Artesian Wetlands Survey

Stage 2 2-C

Date: 6-7-78

.ocation: 3/4 mile S. of Pw 2-6, NE 1/4, SW 1/4, Sec. 17, T38N, R12E (Clarence B. Jensen)

rea of Influence (approx.) 12-15 acres

rea Inundated (approx.) 6-8 Acres

ize of Well 3"

ell Output (approx.) 7-8 gals./min.

egetation 80% Wire Grass, 10% Soft Grass, 1% Hippurus 9% other

auna Meadowlarks,

oil Sample Sandy Silt - 90% Silt, 10% fine Sand.

emarks Weather - Clear, Sunny Breezy (S.W.) Area is not being utilized by wildlife. Most use is from horses, and some cattle.

Photo #2

Artesian Wetlands Survey

Stage 2 - 2-D

Date: 6-7-78

ocation: 1/4 mile W of PW 2-6, NW + NE 1/4, NE 1/4, Sec. 17, T38N, R10E (Clarence B. Jensen)

rea of Influence (approx.) 4-5 Acres

rea Inundated (approx.) 3 Acres

ze of Well 2"

ell Output (approx.) 5-6 gals./min.

getation: 90% Wire Grass 10% Salt Grass

una Blackbirds, Killdeer

oil Sample Sandy Silt - 90% Silt, 10% fine Sand.

emarks Weather - clear, sunny, calm. Area is not being used by Wildlife, Used heavily by horses

Photo #3

Artesian Wetlands Survey

Stage 2 2-E

Date: 6-7-78

Location: 1½ miles W of PW 1-5, SW¼, NE¼, Sec 21, T38N, R72E (William P. Hanley.

Area of Influence (approx.) 10-12 acres

Area Inundated (approx.) 2-3 Acres

Size of Well 3"

Well Output (approx.) 10 gals/min.

Vegetation 90% Wire Grass, 5% clover, 5% other

Fauna Blackbirds, Avocets, Killdeer, Teal, Mourning Doves

Soil Sample Sandy Silt - 85% Silt, 15% fine-med. Sand.

Remarks Weather - Partly Cloudy, Slight breeze - Even though area has a man-made pond + other inundated land, and is secluded, it is getting very little wildlife usage. About 25-30 horses are using the area.

#4

[illegible] Wetlands Survey

Stage 2 2-F

Date: 6-7-78

(William Hanley C. for DT, Walton Alsbaugh.)

ocation: 1/2 mile W & N of PW I-5, NE 1/4, NW 1/4 Sec. 22 T38N R12E.

rea of Influence (approx.) 3 1/2 -4 Acres

rea Inundated (approx.) 1/2 - 3/4 Acre.

ize of Well 2"

ell Output (approx.) 1-1 1/2 gals./min.

egetation 90% Wire Grass, 5% clover, 5% other.

auna Killdeer, Blackbirds

oil Sample Sandy Silt - 90% Silt, 10% fine-med. Sand.

emarks Weather - Partly Cloudy, Breezy (S.W.). No waterfowl or shorebird usage. Very little other wildlife. Horses present.

45

Artesian Wetlands Survey

Stage 2 2-G

Date: 6-7-78

ocation: ½ W+N. of PW 1-5, SW¼, SW¼, Sec. 15, T38N, R12E (Hunting C for Dr. Walter Alsbaugh)

rea of Influence (approx.) 5-7 Acres

rea Inundated (approx.) 1-1½ Acres

ize of Well Unknown

ell Output (approx.) Unknown.

egetation 85% Wire Grass 14% Salt Grass, 1% Hippurus.

auna Killdeer, blackbirds

oil Sample Sandy Silt - 90% Silt, 10% fine-med. Sand.

emarks Weather - partly Cloudy, breezy (S.W.) Even though there is a man-made pond + the area is secluded, there is little wildlife present. Horses are using the area.

#6 Artesian Wetlands Survey

Stage 2 2-H

Date: 6-7-78

ocation: 1/2 mile W, 1 mile N of PW1-5, SE 1/4, NW 1/4, Sec. 15, T38N, R12E (William Hartley C for D.T. Walter Alsbaugh

rea of Influence (approx.) 4 Acres

rea Inundated (approx.) < 1/2 Acre

ize of Well 3" Valved

ell Output (approx.) 2 gals./min.

egetation 90% Wire Grass, 10% Salt Grass.

una Blackbirds, Killdeer,

oil Sample Sandy Silt - 90% Silt, 10% fine Sand

emarks Weather Partly Cloudy, Breezy (s.w.) Not much use of the area by anything but horses.

#7 Artesian Wetlands Survey

Stage 2 2-I

Date: 6-7-78

(William Hanley C. for D.A. Walter Alsbaugh)

ocation: ½ mile W, 1 mile N, ¼ mile W of PW 1-5, SW¼, NW¼, Sec. 15, T38N, R12E

rea of Influence (approx.) 7-9 Acres

ea Inundated (approx.) 2 Acres

ze of Well 2"

ell Output (approx.) 2-3 gals./min.

getation 85% Wire Grass, 10% Clover, 5% Salt Grass + others

una Blackbirds

oil Sample Sandy Silt - 90% Silt, 10% fine-med. Sand

emarks Weather - Partly Cloudy, breezy (S.W.) Not much of anything using the area

Artesian Wetlands Survey

Stage 2 2-J

Date: 6-7-78
(William Hanley C for D.T.
Walter Alsbaugh)

ocation: ½ mi. W + 1¼ mi N, of PW 1-5, SE ¼, NW ¼ Sec. 15, T38N, R12E.

rea of Influence (approx.) 3-5 Acres

rea Inundated (approx.) ½ Acre

ze of Well 2"

ell Output (approx.) 1-2 gals./min.

egetation 95% Wire Grass, 10% Salt Grass

auna Killdeer, blackbirds, Jackrabbit

oil Sample Sandy Silt - 90% Silt, 10% fine-med Sand

emarks Weather - Partly Cloudy, Breezy (s.w.), warm. Although area is secluded, and has a fairly good supply of standing water, it is not being very heavily used wildlife.

Artesian Wetlands Survey

Stage 2 2-K

Date: 6-7-78

(William Hanley C for Dt.
Walter Alsbaugh)

ocation: ½ mile W + 1¼ miles N of PW 1-5, NE¼ NW¼ Sec. 15, T38N R12E

rea of Influence (approx.) 3-5 Acres

rea Inundated (approx.) 1-1½ Acres

ize of Well 2"

ell Output (approx.) 2 gals./min.

egetation 85% Wire Grass, 10% Salt Grass, 5% Clover

auna Killdeer, Meadowlarks

oil Sample - Sandy Silt - 90% Silt, 10% fine-medi-Sand

emarks Weather - Partly Cloudy, Breezy (S.W.), warm. Area is used mostly by horses. Very little wildlife present. Area is secluded.

[illegible] [illegible] [illegible]

Stage 2 - 2L

Date: 6-11-78
(George Robertson)

Location: Just N. of Road from Dudley drive into BLM Dry Lakes, SW1/4, SW1/4, Sec. 10, T38N, R12E

Area of Influence (approx.) 2 - 2½ Acres

Area Inundated (approx.) ½ - 3/4 Acre,

Size of Well 3"

Well Output (approx.) ½ - 1 gal./min.

Vegetation 90% Wire Grass, 5% Salt Grass, 3% Hippeus 1% Clover 1% other

Fauna None Noticed

Soil Sample Sandy Silt - 90% Silt, 10% fine-med. Sand

Remarks Weather - Clear to Partly Cloudy, breezy (S.W.) Area is secluded but is not being utilized very much by wildlife.

Artesian Wetlands Survey

Stage 2 2-M

Date: 6-12-78
(George Robertson)

.ocation: W. of red-roofed shack on eastern rd. into Drylakes from Dudley Drive, S.E 1/4 SE. 1/4 Sec. 9, T38N, R12E

rea of Influence (approx.) 3-5 Acres

rea Inundated (approx.) 1/2 - 3/4 Acre. (including pond)

ize of Well 3"

ell Output (approx.) 1-2 gals./min.

egetation 85% Wire Grass 10% Salt Grass, 5% other

auna None Noticed

oil Sample Sandy Silt - 90% Silt, 10% fine-med Sand.

emarks Weather - Clear, breezy to windy (S.W.). Area is not being used much by wildlife. Cattle are present. Area has two small man-made ponds adjoining one another. Some minnows are present in both.

[illegible] Evaluation Survey

Stage 2 2-N

Date: 6-12-78

Location: 1/4 mile N. of 3M. W 1/2 of SE. 1/4, Sec. 9, T38N, R12E (George Robertson)

Area of Influence (approx.) 10-15 Acres.

Area Inundated (approx.) 2-3 Acres.

Size of Well 3"

Well Output (approx.) 4-5 gals./min.

Vegetation 50% Wire Grass, 50% Salt Grass.

Fauna Blackbirds, Jackrabbits

Soil Sample Sandy Silt - 90% Silt, 10% fine Sand.

Remarks Weather - clear, breezy (S.W.) Very little wildlife usage. Area is being used by cattle. Well has fairly good-sized ditch running north from it.

Arizona Wetlands Survey

Stage 2 2-0

Date: 6-12-78

Location: 1/4 mile N. of 2M, NW1/4, SW1/4 Sec. 10, T38N, R12E (George Robertson)

Area of Influence (approx.) 10-15 Acres

Area Inundated (approx.) 3-5 Acres (including 2 man-made ponds)

Size of Well 3", 3"

Well Output (approx.) 4-5 gals./min., 4-5 gals./min.

Vegetation

Fauna Mallards(4), black birds, Killdeer, jackrabbits

Soil Sample Sandy Silt - 90% Silt, 10% fine-med Sand.

Remarks Weather - Clear, breezy - windy (SW.) Area has two separated wells, one fills a rectangular resovoir, and one an L-shaped resovoir. Even though area is very secluded and has plenty of water, it is getting very little waterfowl + shorebird usage. Cattle are present.

Riparian Wetlands Survey

Stage 2 2-P

Date: 6-12-78

Location: 1/2-3/4 mile S. of PW2-5 (at the canals) NW1/4, SW1/4 Sec. 11, T3SN, R2E (Harry King)

Area of Influence (approx.) 1 acre

Area Inundated (approx.) 1/4 Acre (including pond)

Size of Well 2" ?

Well Output (approx.) 1-2 gals./min. ?

Vegetation 80% Wire Grass, 15% Salt Grass 5% other (cottonwoods, willows, rabbitbrush)

Fauna Meadowlark, magpie, Great Horned Owl, Mallards (2)

Soil Sample Sandy Silt - 80% Silt, 20% fine-med. Sand.

Remarks Weather - clear to partly Cloudy, breezy (S.W.) Area is fairly Secluded, but doesn't appear to get heavy wildlife usage.

Wetland Survey

Stage 2-2-Q

Date: 6-12-78

ocation: +1/2 mile W. of P.W.2-5, SW 1/4, S.W. 1/4 Sec. 3, T38N, R12E (Harry King)

rea of Influence (approx.) 1 acre

rea Inundated (approx.) 100 sq. ft.

ze of Well 2"

ell Output (approx.) 1/2-1 gal./min.

egetation: 95% Wire Grass, 5% Salt Grass (one Juniper on edge of area.)

una Blackbirds, Meadowlark

oil Sample Sandy Silt - 90% Silt, 10% fine-med. Sand.

emarks Weather - partly cloudy breezy (S.W.), Although area is secluded, it doesn't make a very good waterfowl - shorebird habitat since there is very little water.

[illegible] Wetlands Survey

Stage 2 2-R. N. of 2-Q

Date: 6-12-78

ocation: + 1/2 mile W. of PW 2-5 & SW1/4, SW1/4 Sec. 3, T38N, R12E (Harry King)

rea of Influence (approx.) 6-8 Acres.

rea Inundated (approx.) 1/4 Acre.

ze of Well 2-3"

ell Output (approx.) 1/2 -1 gal/min.

egetation: 85% Wire Grass, 10% Salt Grass 5% other (1 Juniper on fringe)

wna Meadowlarks,

oil Sample Sandy Silt - 90% Silt, 10% fine-sand.

emarks Weather - Partly Cloudy, breezy (S.W.). Very little wildlife usage, even though area is secluded Very little water is standing. Cattle are present.

Artesian Wetlands Survey

Stage 2 2-S

Date: 6-13-78

ocation: .2 mile N of P.W 2-2, on W. side of rd. (State).

rea of Influence (approx.) 100 sq. ft.

rea Inundated (approx.) 90 sq. ft.

ize of Well not applicable

ell Output (approx.) not applicable

egetation: 90% Wire Grass, 10% Cattails

auna Mourning Dove

oil Sample Sandy Silt - 85% Silt, 15% fine-med. Sand

emarks Weather - clear, breezy (S.W.). Area is a man made pit that gets its water from the unconfined water. It is not artesian fed. Appears to get some wildlife usage.

Artesian Wetlands Survey

Stage 2 2-T

Date: 6-13-78

ocation: .3-.4 mile W. of TH 2-1. (State)

rea of Influence (approx.) 7-10 Acres

rea Inundated (approx.) 1 acre

ze of Well 1" + 2" Valved

ell Output (approx.) 1 gal./min, 1-2 gals/min.

egetation 70% Salt Grass, 30% Wire Grass.

una Mourning Doves, Meadowlarks, blackbirds, Killdeer

oil Sample Sandy Silt - 60% Silt, 40% fine-med. Sand.

emarks Weather - clear, breezy (S.W.), Stock tank present with both wells flowing into it. Not much wildlife present. About 10 head of cattle grazing..