CHECK

PARTY _____ DATE _____

Bench Mark Elev. _____	STRUCTURE (S) DATA (Location shown on Sketch)		
Rod Reading on BM _____	Outlet at Station: _____		
Height Instrument _____	Outlet Pipe: Kind _____	Size: _____	
Elev. Top of Dam (Net) _____	Outlet Valve: Kind _____	Size: _____	
Ck. Grade Rod (Top of Dam) _____	Overflow Device: Type _____	Size: _____	

CROSS SECTION NOTES
(Rod Readings over Horizontal Distance)

Upstream	C_L	Downstream	C_L Grade Rod (Ck GR - Shrink.) 1/	As Built (C_L GR - RR)
Steepest Construction Slope: _____ :1		Steepest Construction Slope: _____ :1		

Spillway Profile: Rod _____ Dist. _____

As-built Width of Spillway _____ Ft. Exceptions _____

Spillway Elevation _____ Ft.

Depth of Reservoir _____ Ft.

1/ CONSTRUCTED FILL HEIGHT IS ADEQUATE IF CENTERLINE ROD READING IS EQUAL TO OR LESS THAN THIS FIGURE AT EACH STATION. SPILLWAY IS ADEQUATE IF CENTERLINE ROD READING IS EQUAL TO OR GREATER THAN THIS FIGURE.

Remarks: _____

I certify that this practice meets NRCS specifications:

I have EJAA Construction Class	Signature	Date

United States Department of Agriculture
NRCS Natural Resources Conservation Service
Texas

IRRIGATION RESERVOIR DATA SHEET

Cooperator:		Field Office:	
I.D. #:		SWCD:	
CIN.:		Location:	
Job Class:	Field #:	Structure #:	
Additional Notes:			

Engineering Approval	Signature	I have EJAA Class	Date
Design by:			
Comps Checked by:			
Design Reviewed by:			
Design Approved by:			

Will fit into a conservation irrigation system _____ Yes _____ No

Well discharge _____ GPM Pumping time _____ Hours

Storage Requirement _____ Gallons Storage Requirement _____ Ac.Ft.

Type of Irrigation _____ Tank *(Tank Shall be Meet AWWA D100)*

Water Storage Structure _____ Earthen Embankment *(Earthen Embankment Shall Meet CPS 378 Ponds,*

Planned Bottom Dimensions:

Inside Length _____ Ft. and Inside Widtht. _____ Ft.

(or) Inside Diameter _____ Ft. Usable storage Depth _____ Ft.

Planned Storage _____ Ac. Ft.

Slope Protection Kind _____ Amount _____

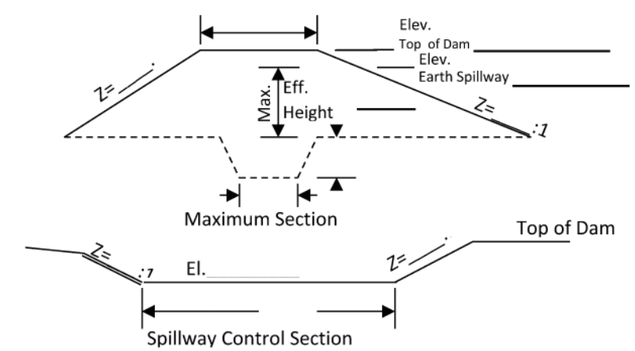
Seepage Control Treatment for Reservoir _____ No _____ Yes

Type _____ Amount _____

Construction Requirements _____

SKETCH OF RESERVOIR

Show location of well, outlet tube(s), BM, Reference Stakes, Stations, North Arrow, etc.



Submitted By _____ Date _____

Approved By _____ Date _____

SURVEY NOTES AND COMPUTATIONS - LAYOUT

PARTY ____________________ Date ____________________

Bench Mark Elev ________ BM Description ________
Rod Reading on BM ________
Height Instrument ________
Elev. Top of Dam ________ Freeboard + D ________
Grade Rod Top of Dam ________ Spillway Grade Ro ________

Shrinkage ____%

CROSS SECTION NOTES
(Rod Readings Over Horizontal Distance From Center)

Station	Shrinkage	Upstream Slope ____ :1	C_L	Downsteam Slope ____ :1	Height at Center (Feet)	Width (Feet) Top	Width (Feet) Base	Width (Feet) Average	End Area Sq. Ft. or Volume Cu. Yd./ Ft.	Sum of Adjacent Sections (A)	1/2 Length of Segment (Feet) (B)	Product Column (A) X (B)

Type of Equipment: ________________________

Computations for core trench:

Total

Embankment (Cu. Yds.)

Core (Cu. Yds.)

Total (Cu. Yds.)

SOILS INVESTIGATION REPORT

Location of Borings	Depth	USDA or Unified Report of Findings

Based on Soil Characteristics is the Pond Site Satisfactory ____ Yes ____ No

CONSTRUCTION RECOMMENDATIONS

Foundations: ________________________

Embankment: ________________________

Spillway: ________________________

SAFETY HAZARD CLASSIFICATION--NEM 520.23

Location and valley configuration are on this farm. Existing development* and other pertinent improvements ________

Potential for future development is ____none ____low ____hi
because (e.g. dam's proximity to present developm ________

Other comment 1/ ________________________

The recommended Hazard Classification for this Earth Dam is ____ Low ____ Significant ____ High

________________ Signature ________________ Date

*Includes houses, utilities, highways, railroads, farm or commerci buildings and other pertinent improvments.

1/ Include results obtained from breach routings, if breach routings are used as part of the classification process.