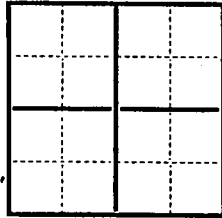


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

WELL SCHEDULE

Date 1963 Field No. _____
Record by J W Lang Office No. H3
Source of data Layne Central

- Location: State Miss County Hancock
Map Dead Tiger Creek Quad
Center 1/4 NW 1/4 sec. 8 T 8 N R 16 E W
- Owner: NASA - MTR Address _____
Tenant Potable Water Well No 1 Address _____
Driller Layne Central Address _____
- Topography Flat
- Elevation 25 ft. above below
- Type: Dug, drilled, driven, bored, jetted 2 1963
- Depth: Rept. 1524 ft. Meas. _____ ft.
- Casing: Diam. 12 in., to 8 in., Type _____
Depth 1460 ft., Finish 60" 8" SS Shutter .008"
- Chief Aquifer _____ From 1460 ft. to 1524 ft.
Others _____
- Water level 90 ft. rept. 1/31 1963 above below well head
_____ which is _____ ft. above below surface
- Pump: Type Pressure pump Capacity _____ G. M.
Power: Kind elec. Horsepower 25
- Yield: Flow 2487 G. M., Pump _____ G. M., Meas., Rept. Est.
Drawdown _____ ft. after _____ hours pumping _____ G. M.
- Use: Dom., Stock, PS., RR., Ind., Irr., Obs.
Adequacy, permanence _____
- Quality _____ Temp. 89 °F.
Taste, odor, color _____ Sample Yes No
Unfit for _____
- Remarks: (Log, Analyses, etc.) _____



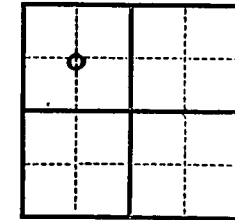
302158 N0893729.1 - ✓

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

WELL SCHEDULE

Date 1963 Field No. _____
Record by J W Lang Office No. H3
Source of data Layne Central

- Location: State Miss County Hancock
Map Logtown Quad (7 1/2')
Center 1/4 NW 1/4 sec. 8 T 8 N R 16 E W
- Owner: NASA Address _____
Tenant Miss. Test Facility Address _____
Driller Layne Central Address Jackson, Miss.
- Topography Flat
- Elevation 25 ^{top} 5.1 ^{above} rept. below
- Type: Dug, drilled, driven, bored, jetted Mar. 1963
- Depth: Rept. 1524 ft. Meas. _____ ft.
- Casing: Diam. 12 in., to 8 in., Type _____
Depth 1464 ft., Finish 60" 8" SS shutter .030" (#8)
- Chief Aquifer _____ From 1460 ft. to 1524 ft.
Others _____
- Water level 90 ft. rept. 1/31 1963 above below well head
_____ which is _____ ft. above below surface
- Pump: Type _____ Capacity _____ G. M.
Power: Kind _____ Horsepower _____
- Yield: Flow 2487 G. M., Pump _____ G. M., Meas., Rept. Est.
Drawdown _____ ft. after _____ hours pumping _____ G. M.
- Use: Dom., Stock, PS., RR., Ind., Irr., Obs. Potable Water Well #1
Adequacy, permanence _____
- Quality _____ Temp. _____ °F.
Taste, odor, color _____ Sample Yes No Borrow-Agee + USGS
Unfit for _____
- Remarks: (Log, Analyses, etc.) Gravel packed. Driller's log



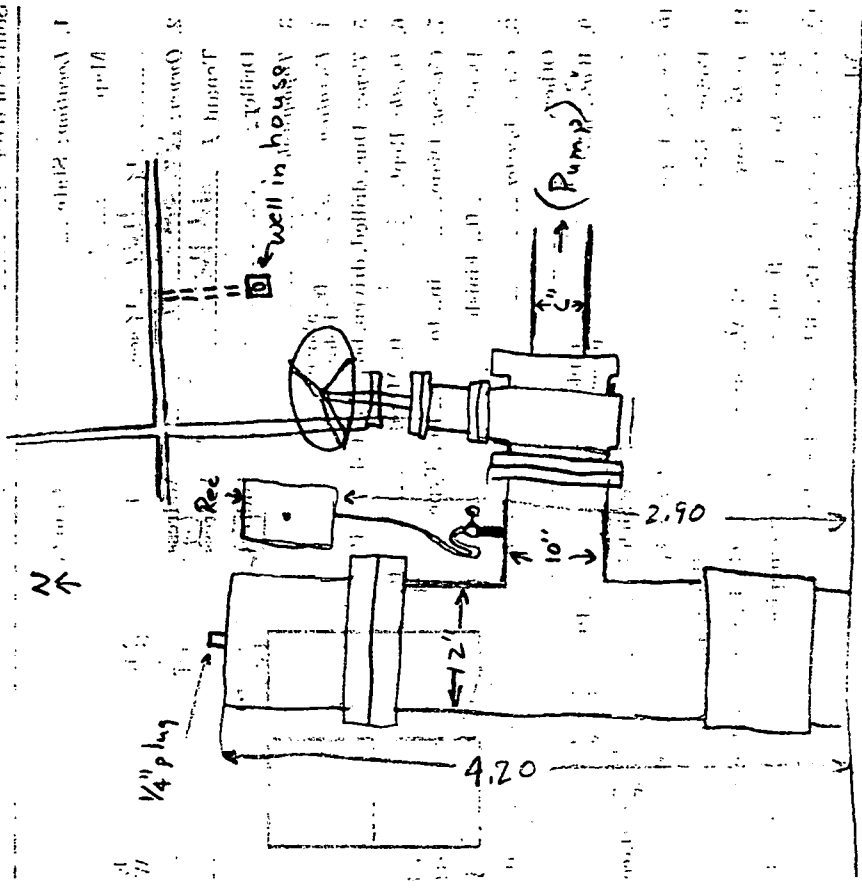
(U.S. GPO: 1960) 0-172
DEHYDRATED COPPER SULFATE
 (ANHYDROUS) PVP
 WATER IN SOLUBLE FORM
 GEOLOGICAL SURVEY
 WASHINGTON, D.C.

SD reported coarse, but fine screen used because fine sand was expected.

- 162' of 18" surface casing
- 1,458' " 12" casing
- 113' " 8" liner
- 60' " 8" screen .050"
- 6' b.p.v.

Elevation of discharge tee 29

E of recorder is 2.85' above conc. floor of pump house.
 10/6/96 4.81'



1. Venting Pipe
 2. Well in house
 3. Casing
 4. Casing
 5. Casing
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 8. Casing
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 10. Casing
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 98. Casing
 99. Casing
 100. Casing

**APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW
FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI**

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES
P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202

SEP 10 1996

Office of Environmental Quality
Office of Land & Water Resources
FORM OLWRAP-2 (REV. 9/94)

This box is for office use only.

5-28-96 AGN.

Issued: <u>3-11-86</u>	Expires: <u>3-11-2006</u>	Fee Paid:	Permit No.:
Lat. <u>30-21-58</u>	Long. <u>89-37-19</u>	Elev. <u>26</u>	USGS No. <u>H3</u>
Quad. <u>Southdown</u>	ASCS Farm No.:	STAC:	MSDOH No. <u>230015-01</u>
Aquifer: <u>LPCGL</u>	Tract No.:		Basin No.:
Remarks:			Dam Inv. No.:

THIS APPLICATION IS FOR (Circle one): RENEWAL - PERMIT NO. MSGW-01910

THIS APPLICATION IS FOR (Circle one): GROUNDWATER COMPLETE A,B,E

SURFACE WATER - COMPLETE A,C,D,E

BENEFICIAL USE (Circle one or more): 1) Public Supply - Municipal, Rural Water, or Private Water 2) Irrigation
3) Industrial 4) Fish Culture 5) Recreation 6) Institutional (eg. Church, School) 7) Commercial (eg. Hotel, Casino, Restaurant) 8) Fire Protection 9) Livestock 10) Flood Protection 11) Other: Domestic Supply to Elevated Tanks

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: National Aeronautics and Space Administration Tax ID #177
Roy S. Estess, Director Facility ID #1612300
(Name) (SSN or Tax ID No.)

John C. Stennis Space Center
(Address)

Stennis Space Center MS 39529-6000 (601) 688 - 2121
(City) (State & Zip) (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):

F. Y. Kailiwai-Barnett, Director Center Operations Tax ID #177
(Name) (SSN or Tax ID No.)

Building 1100
(Address)

Stennis Space Center, MS 39529-6000 (601) 688 - 2004
(City) (State & Zip) (Telephone)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):

NE 1/4 of the NW 1/4 of Section 08, Township 08S, Range 16W, County Hancock

Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one)? YES NO If yes, describe the nature and amount of any additional supply and, if applicable, list permit number.

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Miocene Aquifer System MISSISSIPPI DEPARTMENT OF HEALTH NO.: 0230015-01

2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____.

If well has already been drilled, when was well completed (date)? 05 September, 1963. Under whose name was well originally drilled (if known)? _____

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 1530 feet. DRILLER: Layne Central

(b) SURFACE CASING: Length _____ feet; Diameter (a) 12.8 inches; Type _____

(c) SCREEN: Length 60 feet; Diameter 12 inches; Type _____

(d) PUMP: Type Horiz. Centrif; Size 25 HP; Capacity 600 gallons per minute; Setting depth Surface feet

(e) POWER UNIT: Type _____; Size _____ horsepower

4. PERMITTED VOLUME :

(a) _____ feet per year at a maximum rate of _____ gallons per minute

(b) .35 million gallons per day at a maximum rate of 600 gallons per minute

(CONTINUED ON BACK)

600

MAP SENT

SECTION C (to be completed for **SURFACE WATER SOURCE**)

1. Source of water is from _____ which drains into _____
which drains into _____
(major stream or river)
2. Description of pump/diversion works:
Pump (size & type): _____ Power Unit (size & type): _____
Lift: _____ feet Maximum capacity: _____ gallons per minute
3. _____ acre-feet per year at a maximum rate of _____ gallons per minute

SECTION D (to be completed for **SURFACE WATER IMPOUNDMENTS (DAMS)** on continuously flowing streams)

1. Name of storage reservoir: _____ Dam Height: _____ feet
2. Surface area at normal pool: _____ Storage capacity at normal pool: _____ acre-feet

SECTION E WATER USE DATA (ALL APPLICATIONS - complete section related to beneficial use)

1. **IRRIGATION:** List the number of acres of each crop to be irrigated: Rice _____; Cotton _____; Oats _____; Corn _____; Soybeans _____; Pasture _____; Truck _____; Wheat _____; Grain Sorghum _____; Other (specify) _____ Acres _____
A. Method of Irrigation (circle one) - Center Pivot Flood Furrow
B. Land Condition (circle one) - Precision Land Formed Smoothed
C. ASCS Farm No. _____ Tract No. _____
2. **FISH CULTURE:** Explain how water will be used: _____
How often will reservoir (s) be emptied and refilled? _____
3. **MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM**
Chose "a" or "b". (a) The number of people served is _____ or (b) The number of connections is _____
What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty (20) years?
(Volume) (Year); (Volume) (Year); (Volume) (Year); (Volume) (Year)
4. **INDUSTRIAL:** If the water is to be released into a water course, indicate the amount released each year _____;
Rate of release _____; NPDES Permit No. _____
Explain any changes in quality of water to be released: _____
Explain how water will be used: _____
How much groundwater will be used for once-through non-contact cooling? _____
5. **RECREATION:** Explain how water will be used: _____
6. **OTHER USE:** Explain in detail (if needed, attach another page): Domestic Supply to Elevated Tanks
7. **REMARKS:** _____

List below the person to be contacted for additional information if required.

Ronald G. Magee
(Name)
GA00/Building 1100
(Address)
Stennis Space Center, MS 39529-6000
(City, State, Zip)
(601) 688-7384
(Telephone)

The accompanying map is hereby declared a part of this application.
For irrigation and fish culture use, an ASCS photograph is required.
The **TEN DOLLAR (\$10.00)** permit fee is enclosed herewith.

Jy Kailiwa Barnett
Director, Center (Signature)
Operations

Subscribed and sworn to before me this 12th day of Sept., 19 95, at Hancock County of Mississippi
My commission expires May 12, 1997; Bill Hally Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hotwreak DATE: 8/20/96
UNIT DEQ #: 82859 FILE #: B082023B
HEALTH DEPT. #: 230015-01 ELEV. _____
USGS #: H3 OLWR #: M5-GW-01910
OWNER: Natl. Space Technology Lab. QUAD: LogTown
LOCATION: NE-SE-NW S 8 T 85 R 16W COUNTY: Hancock
LOCATION DESCRIPTION: In Cement Bldg. in SE Corner of Intersection
of Shuttle Parkway & J Road. (Stennis Space Center)
CASING DIA: 16" PUMP TYPE & SIZE: HP Elec.
GPS FIELD LOCATION: LAT. 30° 21' 59.7" LONG. 89° 37' 22.2"
GPS CORRECTED LOCATION: LAT. 30.36618858 LONG. 89.62290686
REMARKS: GPS at well.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

