WRD Exp. (GW)
April 1966

Well No. J4 (J1d)
E-log 73

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

PUNCHED and VERIFIED ROLLA COMPUTATION BRANCH

MASTER CARD

Record by _____ Source of data _____ Date _____ Map _____

State Miss [28] (1-2) County (or town) Lamar [37] (3-4)

Latitude: [31 08 56 N] (5-11) deg min sec N S Longitude: [089 33 34] (12-18) degrees min sec Sequential number: [4] (19)

Lat-long accuracy: [2] (20) T. 20 S, R 16 E (W) Sec 12, NW ¼, NW ¼, SE ¼

Local well number: [J 004 BD 1202 N 16 W] (21-34) Other number: B & M HT-1(4)

Local use: [064] (35-51) Owner or name: Atomic Energy Comm

Owner or name: [USAEC] (52-66) Address: Las Vegas, Nevada

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist [F] (67)

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Stock, (S) Instit, (T) Unused, (U) Repressure, (V) Recharge, (W) Desal-P S, (X) Desal-other, (Z) Other [U] (68)

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (Φ) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. [Φ] (69)

DATA AVAILABLE: Well data [ ] (70) Freq. W/L meas.: _____ [I] (71) Field aquifer char. [T] (72)

Hyd. lab. data: _____ [ ] (73)

Qual. water data; type: USGS [C] (74)

Freq. sampling: _____ [N] (75) Pumpage inventory: yes / no, period: _____ [ ] (76)

Aperture cards: _____ yes [ ] (77)

Log data: _____ [GE] (78-79)

WELL-DESCRIPTION CARD

[SAME AS ON MASTER CARD] (1-19) Depth well: _____ ft [1880] (20-23) Meas. / rept accuracy [6] (24)

Depth cased: (first perf.) _____ ft [1742] (25-28) Casing type: IRON; Diam. 3½ in [4] (29-30)

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (W) other _____ [P] (31)

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other _____ [H] (32)

Date Drilled: [961] (33-35) Pump intake setting: _____ ft [ ] (36-38)

Driller: Layne Central (name), Jackson (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (cent.), (M) multiple, (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [N] (39) Deep / Shallow [ ] (40)

Power (type): nat, LP, diesel, elec, gas, gasoline, hand, gas, wind; H.P. _____ [ ] (41) Trans. or meter no. _____

Descrip. MP _____ ft above / below LSD, Alt. MP _____

Alt. LSD: _____ [3061] (42-45) Accuracy: (source) Inst [1] (47)

Water Level _____ ft above / below MP; ft above / below LSD [1271] (48-51) Accuracy: _____ [A] (52)

Date meas: [564] (53-55) Yield: _____ gpm [157] (56-60) Method determined [1] (61)

Drawdown: _____ ft [ ] (62-64) Accuracy: _____ [ ] (65) Pumping period _____ hrs [ ] (66-68)

QUALITY OF WATER DATA: Iron _____ ppm [ ] (69) Sulfate _____ ppm [ ] (70) Chloride _____ ppm [ ] (71) Hard. _____ ppm [ ] (72)

Sp. Conduct _____ K x 10^6 [ ] (73) Temp. _____ °F [ ] (74-76) Date sampled [ ] (77-79)

Taste, color, etc. _____

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Latitude-longitude ____ N S ____ d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: ____ 03 (20–21) Section: ____

____ D (22) Drainage Basin: ____ 13Y (23–25) Subbasin: ____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Φ) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat ____ 27 H

MAJOR AQUIFER: ____ system, ____ series T Φ (28–29) ____ aquifer, formation, group V G (30–31)

Lithology: ____ US (32–33) Origin: ____ 3 (34) Aquifer Thickness: ____ ft

215 (35–37) Length of well open to: ____ ft 138 (38–40) Depth to top of: ____ ft A68 (41–43)

MINOR AQUIFER: ____ system, ____ series (44–45) ____ aquifer, formation, group (46–47)

Lithology: ____ (48–49) Origin: ____ (50) Aquifer Thickness: ____ ft

(51–53) Length of well open to: ____ ft (54–56) Depth to top of: ____ ft (57–59)

Intervals Screened: 1742 - 1880

Depth to consolidated rock: ____ ft (60–63) Source of data: ____ (64)

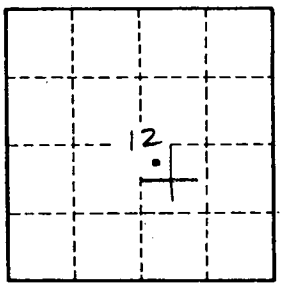
Depth to basement: ____ ft (65–68) Source of data: ____ (69)

Surficial material: ____ (70–71) Infiltration characteristics: ____ (72)

Coefficient Trans: ____ gpd/ft 702 (73–75) Coefficient Storage: ____ (76–78)

Coefficient Perm: 33 gpd/ft^2; Spec cap: 1.5 gpm/ft; Number of geologic cards: ____ (79)

AEC - Tatum dome
Hydrologic Test Well #1, Aquifer "4"



Well No. J4

GPO 857–700